

Cover Page

Order ID : Q2436

Project ID : South River WM Replacement

Client : CDM Smith

Lab Sample Number

Q2436-01
Q2436-02
Q2436-03
Q2436-04
Q2436-05
Q2436-06
Q2436-07
Q2436-08
Q2436-09
Q2436-10

Client Sample Number

TP-70
TP-69
TP-85
TP-86
TP-84
TP-83
TP-87
TP-100
TP-99
TP-82

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

Signature : _____

Date: 7/4/2025

DATA REPORTING QUALIFIERS- ORGANIC

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

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

APPENDIX A

QA REVIEW GENERAL DOCUMENTATION

Project #: Q2436

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: MAHESH PATEL

Date: 07/04/2025

LAB CHRONICLE

OrderID:	Q2436	OrderDate:	6/26/2025 3:41:00 PM
Client:	CDM Smith	Project:	South River WM Replacement
Contact:	Marcie Ann Encinas	Location:	D51,VOA Ref. #2 Soil

LabID	ClientID	Matrix	Test	Method	Sample Date	Prep Date	Anal Date	Received
Q2436-01	TP-70	SOIL	SVOC-TCL BNA -20	8270E	06/25/25	06/27/25	06/30/25	06/26/25
Q2436-02	TP-69	SOIL	SVOC-TCL BNA -20	8270E	06/25/25	06/27/25	06/30/25	06/26/25
Q2436-03	TP-85	SOIL	SVOC-TCL BNA -20	8270E	06/25/25	06/27/25	07/01/25	06/26/25
Q2436-04	TP-86	SOIL	SVOC-TCL BNA -20	8270E	06/25/25	06/27/25	06/30/25	06/26/25
Q2436-05	TP-84	SOIL	SVOC-TCL BNA -20	8270E	06/25/25	06/27/25	06/30/25	06/26/25
Q2436-06	TP-83	SOIL	SVOC-TCL BNA -20	8270E	06/25/25	06/27/25	06/30/25	06/26/25
Q2436-07	TP-87	SOIL	SVOC-TCL BNA -20	8270E	06/26/25	06/27/25	06/30/25	06/26/25
Q2436-08	TP-100	SOIL	SVOC-TCL BNA -20	8270E	06/26/25	06/27/25	06/30/25	06/26/25
Q2436-09	TP-99	SOIL	SVOC-TCL BNA -20	8270E	06/26/25	06/27/25	06/30/25	06/26/25
Q2436-10	TP-82	SOIL	SVOC-TCL BNA -20	8270E	06/26/25	06/27/25	06/30/25	06/26/25

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

Hit Summary Sheet

SW-846

SDG No.: Q2436

Client: CDM Smith

Sample ID	Client ID	Matrix	Parameter	Concentration	C	MDL	RDL	Units
Client ID : TP-70								
Q2436-01	TP-70	SOIL	2-Pentanone, 4-hydroxy-4-methyl *	190.000	AB	0	0	ug/Kg
Q2436-01	TP-70	SOIL	Benzophenone *	130.000	J	0	0	ug/Kg
Total Tics :				320.00				
Total Concentration:				320.00				
Client ID : TP-69								
Q2436-02	TP-69	SOIL	2-Pentanone, 4-hydroxy-4-methyl *	210.000	AB	0	0	ug/Kg
Q2436-02	TP-69	SOIL	Benzophenone *	110.000	J	0	0	ug/Kg
Q2436-02	TP-69	SOIL	n-Tetracosanol-1 *	120.000	J	0	0	ug/Kg
Q2436-02	TP-69	SOIL	Triphenylphosphine oxide *	110.000	J	0	0	ug/Kg
Total Tics :				550.00				
Total Concentration:				550.00				
Client ID : TP-85								
Q2436-03	TP-85	SOIL	2-Pentanone, 4-hydroxy-4-methyl *	310.000	AB	0	0	ug/Kg
Q2436-03	TP-85	SOIL	Benzophenone *	130.000	J	0	0	ug/Kg
Q2436-03	TP-85	SOIL	n-Hexadecanoic acid *	89.600	J	0	0	ug/Kg
Q2436-03	TP-85	SOIL	Tricosyl trifluoroacetate *	150.000	J	0	0	ug/Kg
Q2436-03	TP-85	SOIL	Triphenylphosphine oxide *	140.000	J	0	0	ug/Kg
Total Tics :				819.60				
Total Concentration:				819.60				
Client ID : TP-86								
Q2436-04	TP-86	SOIL	1-Decanol, 2-octyl- *	86.200	J	0	0	ug/Kg
Q2436-04	TP-86	SOIL	2-Pentanone, 4-hydroxy-4-methyl *	220.000	AB	0	0	ug/Kg
Q2436-04	TP-86	SOIL	Benzophenone *	120.000	J	0	0	ug/Kg
Q2436-04	TP-86	SOIL	Pentadecafluorooctanoic acid, oct *	150.000	J	0	0	ug/Kg
Q2436-04	TP-86	SOIL	unknown18.462 *	78.000	J	0	0	ug/Kg
Total Tics :				654.20				
Total Concentration:				654.20				
Client ID : TP-84								
Q2436-05	TP-84	SOIL	2-Pentanone, 4-hydroxy-4-methyl *	240.000	AB	0	0	ug/Kg
Q2436-05	TP-84	SOIL	Benzophenone *	130.000	J	0	0	ug/Kg
Q2436-05	TP-84	SOIL	Tricosyl trifluoroacetate *	150.000	J	0	0	ug/Kg
Q2436-05	TP-84	SOIL	Triphenylphosphine oxide *	72.900	J	0	0	ug/Kg
Total Tics :				592.90				
Total Concentration:				592.90				
Client ID : TP-83								

Hit Summary Sheet SW-846

SDG No.: Q2436
Client: CDM Smith

Sample ID	Client ID	Matrix	Parameter	Concentration	C	MDL	RDL	Units
Q2436-06	TP-83	SOIL	17-Pentatriacontene	*	150.000	J 0	0	ug/Kg
Q2436-06	TP-83	SOIL	2-Pentanone, 4-hydroxy-4-methyl	*	210.000	AB 0	0	ug/Kg
Q2436-06	TP-83	SOIL	Benzophenone	*	160.000	J 0	0	ug/Kg
Q2436-06	TP-83	SOIL	Heptadecyl trifluoroacetate	*	79.300	J 0	0	ug/Kg
Total Tics :					599.30			
Total Concentration:					599.30			
Client ID : TP-87								
Q2436-07	TP-87	SOIL	2-Pentanone, 4-hydroxy-4-methyl	*	230.000	AB 0	0	ug/Kg
Q2436-07	TP-87	SOIL	Benzophenone	*	170.000	J 0	0	ug/Kg
Q2436-07	TP-87	SOIL	Pentafluoropropionic acid, heptad	*	120.000	J 0	0	ug/Kg
Total Tics :					520.00			
Total Concentration:					520.00			
Client ID : TP-100								
Q2436-08	TP-100	SOIL	Fluoranthene		78.800	J 35	200	ug/Kg
Q2436-08	TP-100	SOIL	Pyrene		81.800	J 42	200	ug/Kg
Q2436-08	TP-100	SOIL	Bis(2-ethylhexyl)phthalate		150.000	J 69	200	ug/Kg
Total Svoc :					310.60			
Q2436-08	TP-100	SOIL	2-Pentanone, 4-hydroxy-4-methyl	*	220.000	AB 0	0	ug/Kg
Q2436-08	TP-100	SOIL	Benzophenone	*	130.000	J 0	0	ug/Kg
Q2436-08	TP-100	SOIL	Trifluoroacetoxy hexadecane	*	100.000	J 0	0	ug/Kg
Q2436-08	TP-100	SOIL	n-Hexadecanoic acid	*	89.800	J 0	0	ug/Kg
Total Tics :					539.80			
Total Concentration:					850.40			
Client ID : TP-99								
Q2436-09	TP-99	SOIL	2-Pentanone, 4-hydroxy-4-methyl	*	230.000	AB 0	0	ug/Kg
Q2436-09	TP-99	SOIL	Benzophenone	*	130.000	J 0	0	ug/Kg
Q2436-09	TP-99	SOIL	Tricosyl heptafluorobutyrate	*	120.000	J 0	0	ug/Kg
Total Tics :					480.00			
Total Concentration:					480.00			
Client ID : TP-82								
Q2436-10	TP-82	SOIL	2-Pentanone, 4-hydroxy-4-methyl	*	220.000	AB 0	0	ug/Kg
Q2436-10	TP-82	SOIL	Benzophenone	*	120.000	J 0	0	ug/Kg
Q2436-10	TP-82	SOIL	Octadecyl trifluoroacetate	*	120.000	J 0	0	ug/Kg
Q2436-10	TP-82	SOIL	Triphenylphosphine oxide	*	130.000	J 0	0	ug/Kg
Total Tics :					590.00			
Total Concentration:					590.00			



QC SUMMARY

Surrogate Summary

SW-846

SDG No.: Q2436

Client: CDM Smith

Analytical Method: 8270E

Lab Sample ID	Client ID	Parameter	Spike (PPM)	Result (PPM)	Recovery (%)	Qual	Limits (%)	
							Low	High
PB168649BL	PB168649BL	2-Fluorophenol	150	125	84		18	112
		Phenol-d6	150	125	83		15	107
		Nitrobenzene-d5	100	78.4	78		18	107
		2-Fluorobiphenyl	100	78.7	79		20	109
		2,4,6-Tribromophenol	150	120	80		10	116
		Terphenyl-d14	100	72.0	72		10	105
PB168649BS	PB168649BS	2-Fluorophenol	150	128	86		18	112
		Phenol-d6	150	126	84		15	107
		Nitrobenzene-d5	100	79.9	80		18	107
		2-Fluorobiphenyl	100	84.0	84		20	109
		2,4,6-Tribromophenol	150	126	84		10	116
		Terphenyl-d14	100	71.8	72		10	105
Q2430-01MS	MH-E/FMS	2-Fluorophenol	150	90.0	60		18	112
		Phenol-d6	150	90.3	60		15	107
		Nitrobenzene-d5	100	57.0	57		18	107
		2-Fluorobiphenyl	100	57.5	57		20	109
		2,4,6-Tribromophenol	150	94.2	63		10	116
		Terphenyl-d14	100	53.9	54		10	105
Q2430-01MSD	MH-E/FMSD	2-Fluorophenol	150	89.4	60		18	112
		Phenol-d6	150	90.0	60		15	107
		Nitrobenzene-d5	100	56.7	57		18	107
		2-Fluorobiphenyl	100	55.7	56		20	109
		2,4,6-Tribromophenol	150	93.7	62		10	116
		Terphenyl-d14	100	53.5	53		10	105
Q2436-01	TP-70	2-Fluorophenol	150	64.5	43		18	112
		Phenol-d6	150	64.0	43		15	107
		Nitrobenzene-d5	100	40.1	40		18	107
		2-Fluorobiphenyl	100	37.5	37		20	109
		2,4,6-Tribromophenol	150	55.2	37		10	116
		Terphenyl-d14	100	32.2	32		10	105
Q2436-02	TP-69	2-Fluorophenol	150	68.7	46		18	112
		Phenol-d6	150	67.3	45		15	107
		Nitrobenzene-d5	100	44.1	44		18	107
		2-Fluorobiphenyl	100	43.9	44		20	109
		2,4,6-Tribromophenol	150	65.1	43		10	116
		Terphenyl-d14	100	30.0	30		10	105
Q2436-03	TP-85	2-Fluorophenol	150	83.3	56		18	112
		Phenol-d6	150	82.6	55		15	107
		Nitrobenzene-d5	100	55.3	55		18	107
		2-Fluorobiphenyl	100	53.1	53		20	109
		2,4,6-Tribromophenol	150	76.1	51		10	116
		Terphenyl-d14	100	34.5	34		10	105
Q2436-04	TP-86	2-Fluorophenol	150	79.5	53		18	112
		Phenol-d6	150	79.0	53		15	107
		Nitrobenzene-d5	100	50.1	50		18	107
		2-Fluorobiphenyl	100	46.4	46		20	109
		2,4,6-Tribromophenol	150	73.9	49		10	116
		Terphenyl-d14	100	40.9	41		10	105
Q2436-05	TP-84	2-Fluorophenol	150	87.9	59		18	112
		Phenol-d6	150	87.2	58		15	107
		Nitrobenzene-d5	100	55.7	56		18	107

Surrogate Summary

SW-846

SDG No.: Q2436

Client: CDM Smith

Analytical Method: 8270E

Lab Sample ID	Client ID	Parameter	Spike (PPM)	Result (PPM)	Recovery (%)	Qual	Limits (%)	
							Low	High
Q2436-05	TP-84	2-Fluorobiphenyl	100	52.7	53		20	109
		2,4,6-Tribromophenol	150	81.8	55		10	116
		Terphenyl-d14	100	42.4	42		10	105
Q2436-06	TP-83	2-Fluorophenol	150	76.8	51		18	112
		Phenol-d6	150	78.0	52		15	107
		Nitrobenzene-d5	100	49.9	50		18	107
		2-Fluorobiphenyl	100	49.5	49		20	109
		2,4,6-Tribromophenol	150	73.4	49		10	116
		Terphenyl-d14	100	42.1	42		10	105
Q2436-07	TP-87	2-Fluorophenol	150	82.4	55		18	112
		Phenol-d6	150	81.7	54		15	107
		Nitrobenzene-d5	100	53.0	53		18	107
		2-Fluorobiphenyl	100	52.0	52		20	109
		2,4,6-Tribromophenol	150	78.7	52		10	116
		Terphenyl-d14	100	42.8	43		10	105
Q2436-08	TP-100	2-Fluorophenol	150	71.1	47		18	112
		Phenol-d6	150	70.6	47		15	107
		Nitrobenzene-d5	100	46.1	46		18	107
		2-Fluorobiphenyl	100	42.2	42		20	109
		2,4,6-Tribromophenol	150	67.6	45		10	116
		Terphenyl-d14	100	32.1	32		10	105
Q2436-09	TP-99	2-Fluorophenol	150	75.4	50		18	112
		Phenol-d6	150	76.5	51		15	107
		Nitrobenzene-d5	100	46.9	47		18	107
		2-Fluorobiphenyl	100	47.8	48		20	109
		2,4,6-Tribromophenol	150	69.6	46		10	116
		Terphenyl-d14	100	42.6	43		10	105
Q2436-10	TP-82	2-Fluorophenol	150	80.1	53		18	112
		Phenol-d6	150	78.8	53		15	107
		Nitrobenzene-d5	100	50.9	51		18	107
		2-Fluorobiphenyl	100	53.5	54		20	109
		2,4,6-Tribromophenol	150	74.7	50		10	116
		Terphenyl-d14	100	38.3	38		10	105

Matrix Spike/Matrix Spike Duplicate Summary

SW-846

SDG No.: Q2436

Client: CDM Smith

Analytical Method: SW8270E

Parameter	Spike	Sample Result	Result	Units	Rec	Rec Qual	RPD	RPD Qual	Low	Limits High	RPD
Lab Sample ID:	Q2430-01MS	Client Sample ID:	MH-E/FMS					DataFile:	BF142921.D		
Benzaldehyde	1100	0	650	ug/Kg	59				10	171	
Phenol	1100	0	940	ug/Kg	85				51	122	
bis(2-Chloroethyl)ether	1100	0	980	ug/Kg	89				54	125	
2-Chlorophenol	1100	0	990	ug/Kg	90				51	121	
2-Methylphenol	1100	0	960	ug/Kg	87				47	125	
2,2-oxybis(1-Chloropropane)	1100	0	920	ug/Kg	84				46	119	
Acetophenone	1100	0	1000	ug/Kg	91				55	128	
3+4-Methylphenols	1100	0	1000	ug/Kg	91				49	125	
N-Nitroso-di-n-propylamine	1100	0	990	ug/Kg	90				59	119	
Hexachloroethane	1100	0	1000	ug/Kg	91				51	116	
Nitrobenzene	1100	0	980	ug/Kg	89				47	124	
Isophorone	1100	0	980	ug/Kg	89				49	127	
2-Nitrophenol	1100	0	1000	ug/Kg	91				43	131	
2,4-Dimethylphenol	1100	0	950	ug/Kg	86				63	151	
bis(2-Chloroethoxy)methane	1100	0	990	ug/Kg	90				51	119	
2,4-Dichlorophenol	1100	0	980	ug/Kg	89				50	122	
Naphthalene	1100	0	980	ug/Kg	89				51	121	
4-Chloroaniline	1100	0	250	ug/Kg	23				10	100	
Hexachlorobutadiene	1100	0	1000	ug/Kg	91				44	126	
Caprolactam	1100	0	1000	ug/Kg	91				51	134	
4-Chloro-3-methylphenol	1100	0	980	ug/Kg	89				57	132	
2-Methylnaphthalene	1100	0	990	ug/Kg	90				59	123	
Hexachlorocyclopentadiene	2300	0	1800	ug/Kg	78				10	175	
2,4,6-Trichlorophenol	1100	0	1000	ug/Kg	91				33	141	
2,4,5-Trichlorophenol	1100	0	990	ug/Kg	90				38	135	
1,1-Biphenyl	1100	0	1000	ug/Kg	91				55	131	
2-Chloronaphthalene	1100	0	1000	ug/Kg	91				48	124	
2-Nitroaniline	1100	0	1000	ug/Kg	91				47	134	
Dimethylphthalate	1100	0	1000	ug/Kg	91				54	120	
Acenaphthylene	1100	0	1000	ug/Kg	91				57	125	
2,6-Dinitrotoluene	1100	0	1100	ug/Kg	100				48	127	
3-Nitroaniline	1100	0	450	ug/Kg	41				10	112	
Acenaphthene	1100	0	1100	ug/Kg	100				70	121	
2,4-Dinitrophenol	2300	0	1400	ug/Kg	61				10	155	
4-Nitrophenol	2300	0	1900	ug/Kg	83				10	175	
Dibenzofuran	1100	0	1000	ug/Kg	91				52	114	
2,4-Dinitrotoluene	1100	0	1100	ug/Kg	100				41	140	
Diethylphthalate	1100	0	1100	ug/Kg	100				51	119	
4-Chlorophenyl-phenylether	1100	0	1000	ug/Kg	91				48	122	
Fluorene	1100	0	1000	ug/Kg	91				53	118	
4-Nitroaniline	1100	0	970	ug/Kg	88				29	140	
4,6-Dinitro-2-methylphenol	1100	0	870	ug/Kg	79				10	160	
N-Nitrosodiphenylamine	1100	0	1000	ug/Kg	91				73	118	
4-Bromophenyl-phenylether	1100	0	1000	ug/Kg	91				65	121	
Hexachlorobenzene	1100	0	1000	ug/Kg	91				67	118	
Atrazine	1100	0	1200	ug/Kg	109				45	175	

Matrix Spike/Matrix Spike Duplicate Summary

SW-846

SDG No.: Q2436

Client: CDM Smith

Analytical Method: SW8270E

Parameter	Spike	Sample Result	Result	Units	Rec	Rec Qual	RPD	RPD Qual	Low	Limits High	RPD
Pentachlorophenol	2300	0	1800	ug/Kg	78				13	153	
Phenanthrene	1100	0	1000	ug/Kg	91				52	128	
Anthracene	1100	0	1000	ug/Kg	91				62	124	
Carbazole	1100	0	1000	ug/Kg	91				59	119	
Di-n-butylphthalate	1100	0	1200	ug/Kg	109				55	125	
Fluoranthene	1100	0	1000	ug/Kg	91				44	125	
Pyrene	1100	0	950	ug/Kg	86				37	122	
Butylbenzylphthalate	1100	0	1200	ug/Kg	109				44	135	
3,3-Dichlorobenzidine	1100	0	210	ug/Kg	19				15	112	
Benzo(a)anthracene	1100	0	980	ug/Kg	89				53	119	
Chrysene	1100	0	1000	ug/Kg	91				57	121	
bis(2-Ethylhexyl)phthalate	1100	0	1200	ug/Kg	109				42	169	
Di-n-octyl phthalate	1100	0	990	ug/Kg	90				51	156	
Benzo(b)fluoranthene	1100	0	970	ug/Kg	88				52	117	
Benzo(k)fluoranthene	1100	0	1100	ug/Kg	100				57	134	
Benzo(a)pyrene	1100	0	1000	ug/Kg	91				70	142	
Indeno(1,2,3-cd)pyrene	1100	0	920	ug/Kg	84				40	129	
Dibenz(a,h)anthracene	1100	0	920	ug/Kg	84				43	123	
Benzo(g,h,i)perylene	1100	0	900	ug/Kg	82				24	125	
1,2,4,5-Tetrachlorobenzene	1100	0	1000	ug/Kg	91				52	134	
1,4-Dioxane	1100	0	870	ug/Kg	79				46	112	
2,3,4,6-Tetrachlorophenol	1100	0	990	ug/Kg	90				24	146	

Matrix Spike/Matrix Spike Duplicate Summary

SW-846

SDG No.: Q2436

Client: CDM Smith

Analytical Method: SW8270E

Parameter	Spike	Sample Result	Result	Units	Rec	Rec Qual	RPD	RPD Qual	Low	Limits High	RPD
Lab Sample ID:	Q2430-01MSD	Client Sample ID:	MH-E/FMSD					DataFile:	BF142922.D		
Benzaldehyde	1100	0	650	ug/Kg	59	2			10	171	20
Phenol	1100	0	940	ug/Kg	85	0			51	122	20
bis(2-Chloroethyl)ether	1100	0	980	ug/Kg	89	1			54	125	20
2-Chlorophenol	1100	0	990	ug/Kg	90	1			51	121	20
2-Methylphenol	1100	0	980	ug/Kg	89	2			47	125	20
2,2-oxybis(1-Chloropropane)	1100	0	910	ug/Kg	83	1			46	119	20
Acetophenone	1100	0	1000	ug/Kg	91	1			55	128	20
3+4-Methylphenols	1100	0	1000	ug/Kg	91	0			49	125	20
N-Nitroso-di-n-propylamine	1100	0	990	ug/Kg	90	1			59	119	20
Hexachloroethane	1100	0	990	ug/Kg	90	0			51	116	20
Nitrobenzene	1100	0	970	ug/Kg	88	1			47	124	20
Isophorone	1100	0	980	ug/Kg	89	2			49	127	20
2-Nitrophenol	1100	0	1000	ug/Kg	91	9			43	131	20
2,4-Dimethylphenol	1100	0	970	ug/Kg	88	3			63	151	20
bis(2-Chloroethoxy)methane	1100	0	980	ug/Kg	89	2			51	119	20
2,4-Dichlorophenol	1100	0	990	ug/Kg	90	1			50	122	20
Naphthalene	1100	0	980	ug/Kg	89	0			51	121	20
4-Chloroaniline	1100	0	340	ug/Kg	31	48	*		10	100	20
Hexachlorobutadiene	1100	0	990	ug/Kg	90	0			44	126	20
Caprolactam	1100	0	1100	ug/Kg	100	9			51	134	20
4-Chloro-3-methylphenol	1100	0	1000	ug/Kg	91	9			57	132	20
2-Methylnaphthalene	1100	0	980	ug/Kg	89	2			59	123	20
Hexachlorocyclopentadiene	2300	0	1800	ug/Kg	78	5			10	175	20
2,4,6-Trichlorophenol	1100	0	970	ug/Kg	88	0			33	141	20
2,4,5-Trichlorophenol	1100	0	960	ug/Kg	87	2			38	135	20
1,1-Biphenyl	1100	0	990	ug/Kg	90	5			55	131	20
2-Chloronaphthalene	1100	0	980	ug/Kg	89	5			48	124	20
2-Nitroaniline	1100	0	1000	ug/Kg	91	0			47	134	20
Dimethylphthalate	1100	0	1000	ug/Kg	91	9			54	120	20
Acenaphthylene	1100	0	980	ug/Kg	89	2			57	125	20
2,6-Dinitrotoluene	1100	0	1000	ug/Kg	91	9			48	127	20
3-Nitroaniline	1100	0	550	ug/Kg	50	2			10	112	20
Acenaphthene	1100	0	1000	ug/Kg	91	1			70	121	20
2,4-Dinitrophenol	2300	0	1500	ug/Kg	65	13			10	155	20
4-Nitrophenol	2300	0	1900	ug/Kg	83	19			10	175	20
Dibenzofuran	1100	0	980	ug/Kg	89	2			52	114	20
2,4-Dinitrotoluene	1100	0	1000	ug/Kg	91	9			41	140	20
Diethylphthalate	1100	0	1100	ug/Kg	100	0			51	119	20
4-Chlorophenyl-phenylether	1100	0	990	ug/Kg	90	1			48	122	20
Fluorene	1100	0	990	ug/Kg	90	0			53	118	20
4-Nitroaniline	1100	0	990	ug/Kg	90	19			29	140	20
4,6-Dinitro-2-methylphenol	1100	0	940	ug/Kg	85	14			10	160	20
N-Nitrosodiphenylamine	1100	0	1000	ug/Kg	91	7			73	118	20
4-Bromophenyl-phenylether	1100	0	1000	ug/Kg	91	4			65	121	20
Hexachlorobenzene	1100	0	1000	ug/Kg	91	6			67	118	20
Atrazine	1100	0	1200	ug/Kg	109	0			45	175	20

Matrix Spike/Matrix Spike Duplicate Summary

SW-846

SDG No.: Q2436

Client: CDM Smith

Analytical Method: SW8270E

Parameter	Spike	Sample Result	Result	Units	Rec	Rec Qual	RPD	RPD Qual	Low	Limits High	RPD
Pentachlorophenol	2300	0	1800	ug/Kg	78		0		13	153	20
Phenanthrene	1100	0	1000	ug/Kg	91		4		52	128	20
Anthracene	1100	0	1000	ug/Kg	91		4		62	124	20
Carbazole	1100	0	1000	ug/Kg	91		9		59	119	20
Di-n-butylphthalate	1100	0	1200	ug/Kg	109		0		55	125	20
Fluoranthene	1100	0	1000	ug/Kg	91		9		44	125	20
Pyrene	1100	0	950	ug/Kg	86		0		37	122	20
Butylbenzylphthalate	1100	0	1200	ug/Kg	109		15		44	135	20
3,3-Dichlorobenzidine	1100	0	340	ug/Kg	31		14		15	112	20
Benzo(a)anthracene	1100	0	980	ug/Kg	89		2		53	119	20
Chrysene	1100	0	1000	ug/Kg	91		1		57	121	20
bis(2-Ethylhexyl)phthalate	1100	0	1200	ug/Kg	109		0		42	169	20
Di-n-octyl phthalate	1100	0	1000	ug/Kg	91		4		51	156	20
Benzo(b)fluoranthene	1100	0	1100	ug/Kg	100		9		52	117	20
Benzo(k)fluoranthene	1100	0	950	ug/Kg	86		6		57	134	20
Benzo(a)pyrene	1100	0	1000	ug/Kg	91		0		70	142	20
Indeno(1,2,3-cd)pyrene	1100	0	920	ug/Kg	84		27	*	40	129	20
Dibenz(a,h)anthracene	1100	0	910	ug/Kg	83		24	*	43	123	20
Benzo(g,h,i)perylene	1100	0	890	ug/Kg	81		38	*	24	125	20
1,2,4,5-Tetrachlorobenzene	1100	0	990	ug/Kg	90		6		52	134	20
1,4-Dioxane	1100	0	840	ug/Kg	76		1		46	112	20
2,3,4,6-Tetrachlorophenol	1100	0	970	ug/Kg	88		3		24	146	20

Laboratory Control Sample/Laboratory Control Sample Duplicate Summary

SW-846

SDG No.: Q2436

Analytical Method:

8270E

Client: CDM Smith

DataFile:

BF142948.D

Lab Sample ID	Parameter	Spike	Result	Unit	Rec	RPD	Qual	RPD	Limits		RPD
								Qual	Low	High	
PB168649BS	Benzaldehyde	1700	920	ug/Kg	54				10	133	
	Phenol	1700	1400	ug/Kg	82				62	112	
	bis(2-Chloroethyl)ether	1700	1500	ug/Kg	88				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	1400	ug/Kg	82				51	100	
	Acetophenone	1700	1500	ug/Kg	88				66	98	
	3+4-Methylphenols	1700	1500	ug/Kg	88				58	111	
	N-Nitroso-di-n-propylamine	1700	1500	ug/Kg	88				63	95	
	Hexachloroethane	1700	1500	ug/Kg	88				72	108	
	Nitrobenzene	1700	1500	ug/Kg	88				57	101	
	Isophorone	1700	1500	ug/Kg	88				59	99	
	2-Nitrophenol	1700	1500	ug/Kg	88				61	111	
	2,4-Dimethylphenol	1700	1400	ug/Kg	82				46	141	
	bis(2-Chloroethoxy)methane	1700	1400	ug/Kg	82				66	97	
	2,4-Dichlorophenol	1700	1500	ug/Kg	88				62	107	
	Naphthalene	1700	1500	ug/Kg	88				62	100	
	4-Chloroaniline	1700	730	ug/Kg	43				16	100	
	Hexachlorobutadiene	1700	1500	ug/Kg	88				53	98	
	Caprolactam	1700	1500	ug/Kg	88				67	110	
	4-Chloro-3-methylphenol	1700	1400	ug/Kg	82				58	112	
	2-Methylnaphthalene	1700	1500	ug/Kg	88				60	104	
	Hexachlorocyclopentadiene	3300	3100	ug/Kg	94				45	165	
	2,4,6-Trichlorophenol	1700	1500	ug/Kg	88				59	102	
	2,4,5-Trichlorophenol	1700	1500	ug/Kg	88				61	98	
	1,1-Biphenyl	1700	1500	ug/Kg	88				57	103	
	2-Chloronaphthalene	1700	1500	ug/Kg	88				58	99	
	2-Nitroaniline	1700	1500	ug/Kg	88				66	101	
	Dimethylphthalate	1700	1500	ug/Kg	88				61	99	
	Acenaphthylene	1700	1500	ug/Kg	88				63	101	
	2,6-Dinitrotoluene	1700	1500	ug/Kg	88				61	104	
	3-Nitroaniline	1700	910	ug/Kg	54				28	100	
	Acenaphthene	1700	1600	ug/Kg	94				57	104	
	2,4-Dinitrophenol	3300	3000	ug/Kg	91				37	128	
	4-Nitrophenol	3300	2800	ug/Kg	85				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	1400	ug/Kg	82				64	103	
	4,6-Dinitro-2-methylphenol	1700	1500	ug/Kg	88				76	113	
	N-Nitrosodiphenylamine	1700	1600	ug/Kg	94				71	99	
	4-Bromophenyl-phenylether	1700	1600	ug/Kg	94				66	102	

Laboratory Control Sample/Laboratory Control Sample Duplicate Summary

SW-846

SDG No.: Q2436

Analytical Method: 8270E

Client: CDM Smith

DataFile: BF142948.D

Lab Sample ID	Parameter	Spike	Result	Unit	Rec	RPD	Qual	RPD		Limits	
								Qual	Low	High	RPD
PB168649BS	Hexachlorobenzene	1700	1600	ug/Kg	94				64	98	
	Atrazine	1700	1700	ug/Kg	100				47	152	
	Pentachlorophenol	3300	2900	ug/Kg	88				67	105	
	Phenanthrene	1700	1500	ug/Kg	88				59	103	
	Anthracene	1700	1500	ug/Kg	88				61	105	
	Carbazole	1700	1500	ug/Kg	88				61	99	
	Di-n-butylphthalate	1700	1700	ug/Kg	100				58	104	
	Fluoranthene	1700	1500	ug/Kg	88				57	107	
	Pyrene	1700	1300	ug/Kg	76				59	103	
	Butylbenzylphthalate	1700	1700	ug/Kg	100				55	103	
	3,3-Dichlorobenzidine	1700	860	ug/Kg	51				42	91	
	Benzo(a)anthracene	1700	1500	ug/Kg	88				60	102	
	Chrysene	1700	1600	ug/Kg	94				59	101	
	bis(2-Ethylhexyl)phthalate	1700	1800	ug/Kg	106				54	135	
	Di-n-octyl phthalate	1700	1800	ug/Kg	106				52	137	
	Benzo(b)fluoranthene	1700	1500	ug/Kg	88				62	109	
	Benzo(k)fluoranthene	1700	1700	ug/Kg	100				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	1500	ug/Kg	88				70	108	
	1,2,4,5-Tetrachlorobenzene	1700	1600	ug/Kg	94				53	101	
	1,4-Dioxane	1700	1200	ug/Kg	71				50	96	
	2,3,4,6-Tetrachlorophenol	1700	1500	ug/Kg	88				59	108	

4B

SEMIVOLATILE METHOD BLANK SUMMARY

EPA SAMPLE NO.

PB168649BL

Lab Name: CHEMTECH

Contract: CAMP02

Lab Code: CHEM Case No.: Q2436

SAS No.: Q2436 SDG NO.: Q2436

Lab File ID: BF142947.D

Lab Sample ID: PB168649BL

Instrument ID: BNA_F

Date Extracted: 06/27/2025

Matrix: (soil/water) SOIL

Date Analyzed: 07/01/2025

Level: (low/med) LOW

Time Analyzed: 13:49

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

EPA SAMPLE NO.	LAB SAMPLE ID	LAB FILE ID	DATE ANALYZED
PB168649BS	PB168649BS	BF142948.D	07/01/2025
MH-E/FMS	Q2430-01MS	BF142921.D	06/30/2025
MH-E/FMSD	Q2430-01MSD	BF142922.D	06/30/2025
TP-70	Q2436-01	BF142923.D	06/30/2025
TP-86	Q2436-04	BF142924.D	06/30/2025
TP-69	Q2436-02	BF142932.D	06/30/2025
TP-85	Q2436-03	BF142933.D	07/01/2025
TP-99	Q2436-09	BF142925.D	06/30/2025
TP-83	Q2436-06	BF142927.D	06/30/2025
TP-87	Q2436-07	BF142928.D	06/30/2025
TP-84	Q2436-05	BF142929.D	06/30/2025
TP-100	Q2436-08	BF142930.D	06/30/2025
TP-82	Q2436-10	BF142931.D	06/30/2025

COMMENTS: _____



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5B

SEMIVOLATILE ORGANIC INSTRUMENT PERFORMANCE CHECK
DECAFLUOROTRIPHENYLPHOSPHINE (DFTPP)

Lab Name: CHEMTECHContract: CAMP02Lab Code: CHEMSAS No.: Q2436 SDG NO.: Q2436Lab File ID: BF142787.DDFTPP Injection Date: 06/19/2025Instrument ID: BNA_FDFTPP Injection Time: 16:37

m/e	ION ABUNDANCE CRITERIA	% RELATIVE ABUNDANCE
68	Less than 2.0% of mass 69	0.6 (1.8) 1
69	Mass 69 relative abundance	30.9
70	Less than 2.0% of mass 69	0.1 (0.5) 1
197	Less than 2.0% of mass 198	0.0
198	Base Peak, 100% relative abundance	100
199	5.0 to 9.0% of mass 198	5.8
365	Greater than 1% of mass 198	3.3
441	Present, but less than mass 443	15
442	Greater than 50% of mass 198	100
443	15.0 - 24.0% of mass 442	19.1 (19.1) 2

1-Value is % mass 69

2-Value is % mass 442

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

EPA SAMPLE NO.	LAB SAMPLE ID	LAB FILE ID	DATE ANALYZED	TIME ANALYZED
SSTDICC2.5	SSTDICC2.5	BF142788.D	06/19/2025	17:07
SSTDICC005	SSTDICC005	BF142789.D	06/19/2025	17:38
SSTDICC010	SSTDICC010	BF142790.D	06/19/2025	18:08
SSTDICC020	SSTDICC020	BF142791.D	06/19/2025	18:39
SSTDICCC040	SSTDICCC040	BF142792.D	06/19/2025	19:09
SSTDICC050	SSTDICC050	BF142793.D	06/19/2025	19:40
SSTDICC060	SSTDICC060	BF142794.D	06/19/2025	20:10
SSTDICC080	SSTDICC080	BF142795.D	06/19/2025	20:40



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5B

SEMIVOLATILE ORGANIC INSTRUMENT PERFORMANCE CHECK
DECAFLUOROTRIPHENYLPHOSPHINE (DFTPP)

Lab Name: CHEMTECHContract: CAMP02Lab Code: CHEMSAS No.: Q2436 SDG NO.: Q2436Lab File ID: BF142915.DDFTPP Injection Date: 06/30/2025Instrument ID: BNA_FDFTPP Injection Time: 15:05

m/e	ION ABUNDANCE CRITERIA	% RELATIVE ABUNDANCE
68	Less than 2.0% of mass 69	0.5 (1.7) 1
69	Mass 69 relative abundance	30
70	Less than 2.0% of mass 69	0.2 (0.7) 1
197	Less than 2.0% of mass 198	0.0
198	Base Peak, 100% relative abundance	100
199	5.0 to 9.0% of mass 198	5.9
365	Greater than 1% of mass 198	3.3
441	Present, but less than mass 443	15.3
442	Greater than 50% of mass 198	100
443	15.0 - 24.0% of mass 442	18.9 (18.9) 2

1-Value is % mass 69

2-Value is % mass 442

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

EPA SAMPLE NO.	LAB SAMPLE ID	LAB FILE ID	DATE ANALYZED	TIME ANALYZED
SSTDCCC040	SSTDCCC040	BF142916.D	06/30/2025	15:35
MH-E/FMS	Q2430-01MS	BF142921.D	06/30/2025	18:13
MH-E/FMSD	Q2430-01MSD	BF142922.D	06/30/2025	18:43
TP-70	Q2436-01	BF142923.D	06/30/2025	19:13
TP-86	Q2436-04	BF142924.D	06/30/2025	19:44
TP-99	Q2436-09	BF142925.D	06/30/2025	20:14
TP-83	Q2436-06	BF142927.D	06/30/2025	21:15
TP-87	Q2436-07	BF142928.D	06/30/2025	21:45
TP-84	Q2436-05	BF142929.D	06/30/2025	22:15
TP-100	Q2436-08	BF142930.D	06/30/2025	22:45
TP-82	Q2436-10	BF142931.D	06/30/2025	23:15
TP-69	Q2436-02	BF142932.D	06/30/2025	23:45
TP-85	Q2436-03	BF142933.D	07/01/2025	00:15



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5B

SEMIVOLATILE ORGANIC INSTRUMENT PERFORMANCE CHECK
DECAFLUOROTRIPHENYLPHOSPHINE (DFTPP)

Lab Name: CHEMTECHContract: CAMP02Lab Code: CHEMSAS No.: Q2436 SDG NO.: Q2436Lab File ID: BF142940.DDFTPP Injection Date: 07/01/2025Instrument ID: BNA_FDFTPP Injection Time: 09:46

m/e	ION ABUNDANCE CRITERIA	% RELATIVE ABUNDANCE
68	Less than 2.0% of mass 69	0.4 (1.6) 1
69	Mass 69 relative abundance	27.4
70	Less than 2.0% of mass 69	0.1 (0.5) 1
197	Less than 2.0% of mass 198	0.0
198	Base Peak, 100% relative abundance	100
199	5.0 to 9.0% of mass 198	5.6
365	Greater than 1% of mass 198	3.2
441	Present, but less than mass 443	15.3
442	Greater than 50% of mass 198	100
443	15.0 - 24.0% of mass 442	19.4 (19.4) 2

1-Value is % mass 69

2-Value is % mass 442

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

EPA SAMPLE NO.	LAB SAMPLE ID	LAB FILE ID	DATE ANALYZED	TIME ANALYZED
SSTDCCC040	SSTDCCC040	BF142941.D	07/01/2025	10:47
PB168649BL	PB168649BL	BF142947.D	07/01/2025	13:49
PB168649BS	PB168649BS	BF142948.D	07/01/2025	14:20

8B

SEMIVOLATILE INTERNAL STANDARD AREA AND RT SUMMARY

Lab Name: CHEMTECH

Lab Code: CHEM Case No.: Q2436 SAS No.: Q2436 SDG NO.: Q2436

EPA Sample No.: _____ Date Analyzed: _____

Lab File ID: _____ Time Analyzed: _____

Instrument ID: _____ GC Column: _____ ID: _____ (mm)

	IS1 AREA #	RT #	IS2 AREA #	RT #	IS3 AREA #	RT #
12 HOUR STD						
UPPER LIMIT						
LOWER LIMIT						
EPA SAMPLE NO.						

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.: Q2436 SAS No.: Q2436 SDG NO.: Q2436

EPA Sample No.: _____ Date Analyzed: _____

Lab File ID: _____ Time Analyzed: _____

Instrument ID: _____ GC Column: _____ ID: _____ (mm)

	IS4 AREA #	RT #	IS5 AREA #	RT #	IS6 AREA #	RT #
12 HOUR STD						
UPPER LIMIT						
LOWER LIMIT						
EPA SAMPLE NO.						

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.: Q2436 SAS No.: Q2436 SDG NO.: Q2436

EPA Sample No.: SSTDCCC040 Date Analyzed: 06/30/2025

Lab File ID: BF142916.D Time Analyzed: 15:35

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	68508	6.875	263015	8.16	132502	9.92
UPPER LIMIT	137016	7.375	526030	8.663	265004	10.416
LOWER LIMIT	34254	6.375	131508	7.663	66251	9.416
EPA SAMPLE NO.						
01 MH-E/FMS	63433	6.88	239823	8.16	122332	9.92
02 MH-E/FMSD	69029	6.88	260392	8.16	136177	9.92
03 TP-70	67119	6.87	251731	8.16	128727	9.91
04 TP-69	85276	6.88	304409	8.16	144216	9.92
05 TP-85	65146	6.88	228866	8.16	111359	9.91
06 TP-86	73916	6.88	282423	8.16	144734	9.92
07 TP-84	85331	6.88	316172	8.16	159254	9.92
08 TP-83	66171	6.88	243586	8.16	123597	9.91
09 TP-87	67163	6.87	247558	8.16	123575	9.92
10 TP-100	82922	6.87	301152	8.16	152386	9.91
11 TP-99	60859	6.87	231337	8.16	118257	9.92
12 TP-82	59138	6.88	215117	8.16	105121	9.91

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.: Q2436 SAS No.: Q2436 SDG NO.: Q2436

EPA Sample No.: SSTDCCC040 Date Analyzed: 06/30/2025

Lab File ID: BF142916.D Time Analyzed: 15:35

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	208976	11.41	119597	14.057	138896	15.545
	UPPER LIMIT	417952	11.91	239194	14.557	277792	16.045
	LOWER LIMIT	104488	10.91	59798.5	13.557	69448	15.045
	EPA SAMPLE NO.						
01	MH-E/FMS	205148	11.40	122398	14.05	140375	15.54
02	MH-E/FMSD	223120	11.40	130553	14.05	155370	15.55
03	TP-70	205881	11.40	122352	14.05	139575	15.54
04	TP-69	213538	11.40	178308	14.05	202825	15.54
05	TP-85	163727	11.40	141022	14.05	150265	15.54
06	TP-86	227000	11.40	138055	14.05	164219	15.54
07	TP-84	249233	11.40	161494	14.05	195795	15.54
08	TP-83	193271	11.40	118249	14.05	142467	15.54
09	TP-87	193646	11.40	120667	14.05	147185	15.54
10	TP-100	226895	11.40	157749	14.05	189699	15.54
11	TP-99	188531	11.40	113906	14.05	131680	15.54
12	TP-82	158342	11.40	117784	14.05	136540	15.54

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.: Q2436 SAS No.: Q2436 SDG NO.: Q2436

EPA Sample No.: SSTDCCC040 Date Analyzed: 07/01/2025

Lab File ID: BF142941.D Time Analyzed: 10:47

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	52800	6.875	192179	8.16	92751	9.92
UPPER LIMIT	105600	7.375	384358	8.657	185502	10.416
LOWER LIMIT	26400	6.375	96089.5	7.657	46375.5	9.416
EPA SAMPLE NO.						
01 PB168649BL	62411	6.88	241848	8.16	125672	9.91
02 PB168649BS	61044	6.88	231195	8.16	114663	9.92

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

IS2 (NPT) = Naphthalene-d8

IS3 (ANT) = Acenaphthene-d10

AREA UPPER LIMIT = +100% of internal standard area

AREA LOWER LIMIT = -50% of internal standard area

RT UPPER LIMIT = +0.50 minutes of internal standard RT

RT UPPER LIMIT = -0.50 minutes of internal standard RT

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

* Values outside of QC limits.

8C

SEMIVOLATILE INTERNAL STANDARD AREA AND RT SUMMARY

Lab Name: CHEMTECH

Lab Code: CHEM Case No.: Q2436 SAS No.: Q2436 SDG NO.: Q2436

EPA Sample No.: SSTDCCC040 Date Analyzed: 07/01/2025

Lab File ID: BF142941.D Time Analyzed: 10:47

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	139048	11.404	102522	14.051	129198	15.539
UPPER LIMIT	278096	11.904	205044	14.551	258396	16.039
LOWER LIMIT	69524	10.904	51261	13.551	64599	15.039
EPA SAMPLE NO.						
01 PB168649BL	200491	11.40	116239	14.05	140657	15.54
02 PB168649BS	176464	11.40	114544	14.05	137043	15.54

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:	CDM Smith	Date Collected:	06/25/25
Project:	South River WM Replacement	Date Received:	06/26/25
Client Sample ID:	TP-70	SDG No.:	Q2436
Lab Sample ID:	Q2436-01	Matrix:	SOIL
Analytical Method:	8270E	% Solid:	82.1
Sample Wt/Vol:	30.08	Units:	g
Soil Aliquot Vol:			uL
Extraction Type :		Decanted :	N
Injection Volume :		GPC Factor :	1.0
Prep Method :	SW3541	Level :	LOW
		Test:	SVOC-TCL BNA -20
		Final Vol:	1000 uL
		GPC Cleanup :	N
		PH :	

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
BF142923.D	1	06/27/25 11:20	06/30/25 19:13	PB168649

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units(Dry Weight)
TARGETS						
100-52-7	Benzaldehyde	190	U	190	400	ug/Kg
108-95-2	Phenol	26.8	U	26.8	210	ug/Kg
111-44-4	bis(2-Chloroethyl)ether	29.5	U	29.5	210	ug/Kg
95-57-8	2-Chlorophenol	29.6	U	29.6	210	ug/Kg
95-48-7	2-Methylphenol	36.3	U	36.3	210	ug/Kg
108-60-1	2,2-oxybis(1-Chloropropane)	45.6	U	45.6	210	ug/Kg
98-86-2	Acetophenone	35.8	U	35.8	210	ug/Kg
65794-96-9	3+4-Methylphenols	49.9	U	49.9	400	ug/Kg
621-64-7	n-Nitroso-di-n-propylamine	57.6	U	57.6	97.2	ug/Kg
67-72-1	Hexachloroethane	21.4	U	21.4	210	ug/Kg
98-95-3	Nitrobenzene	22.2	U	22.2	210	ug/Kg
78-59-1	Isophorone	39.8	U	39.8	210	ug/Kg
88-75-5	2-Nitrophenol	70.7	U	70.7	210	ug/Kg
105-67-9	2,4-Dimethylphenol	78.7	U	78.7	210	ug/Kg
111-91-1	bis(2-Chloroethoxy)methane	37.4	U	37.4	210	ug/Kg
120-83-2	2,4-Dichlorophenol	34.4	U	34.4	210	ug/Kg
91-20-3	Naphthalene	27.6	U	27.6	210	ug/Kg
106-47-8	4-Chloroaniline	43.0	U	43.0	210	ug/Kg
87-68-3	Hexachlorobutadiene	30.7	U	30.7	210	ug/Kg
105-60-2	Caprolactam	63.3	U	63.3	400	ug/Kg
59-50-7	4-Chloro-3-methylphenol	34.9	U	34.9	210	ug/Kg
91-57-6	2-Methylnaphthalene	31.1	U	31.1	210	ug/Kg
77-47-4	Hexachlorocyclopentadiene	140	U	140	400	ug/Kg
88-06-2	2,4,6-Trichlorophenol	24.1	U	24.1	210	ug/Kg
95-95-4	2,4,5-Trichlorophenol	35.4	U	35.4	210	ug/Kg
92-52-4	1,1-Biphenyl	26.5	U	26.5	210	ug/Kg
91-58-7	2-Chloronaphthalene	27.3	U	27.3	210	ug/Kg
88-74-4	2-Nitroaniline	58.4	U	58.4	210	ug/Kg
131-11-3	Dimethylphthalate	32.9	U	32.9	210	ug/Kg

Report of Analysis

Client:	CDM Smith	Date Collected:	06/25/25
Project:	South River WM Replacement	Date Received:	06/26/25
Client Sample ID:	TP-70	SDG No.:	Q2436
Lab Sample ID:	Q2436-01	Matrix:	SOIL
Analytical Method:	8270E	% Solid:	82.1
Sample Wt/Vol:	30.08 Units: g	Final Vol:	1000 uL
Soil Aliquot Vol:	uL	Test:	SVOC-TCL BNA -20
Extraction Type :	Decanted : N	Level :	LOW
Injection Volume :	GPC Factor : 1.0	GPC Cleanup :	N PH :
Prep Method :	SW3541		

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
BF142923.D	1	06/27/25 11:20	06/30/25 19:13	PB168649

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units(Dry Weight)
208-96-8	Acenaphthylene	35.1	U	35.1	210	ug/Kg
606-20-2	2,6-Dinitrotoluene	40.8	U	40.8	210	ug/Kg
99-09-2	3-Nitroaniline	55.9	U	55.9	210	ug/Kg
83-32-9	Acenaphthene	25.9	U	25.9	210	ug/Kg
51-28-5	2,4-Dinitrophenol	280	U	280	400	ug/Kg
100-02-7	4-Nitrophenol	130	U	130	400	ug/Kg
132-64-9	Dibenzofuran	27.6	U	27.6	210	ug/Kg
121-14-2	2,4-Dinitrotoluene	60.9	U	60.9	210	ug/Kg
84-66-2	Diethylphthalate	34.4	U	34.4	210	ug/Kg
7005-72-3	4-Chlorophenyl-phenylether	32.4	U	32.4	210	ug/Kg
86-73-7	Fluorene	30.7	U	30.7	210	ug/Kg
100-01-6	4-Nitroaniline	78.0	U	78.0	210	ug/Kg
534-52-1	4,6-Dinitro-2-methylphenol	130	U	130	400	ug/Kg
86-30-6	n-Nitrosodiphenylamine	40.0	U	40.0	210	ug/Kg
101-55-3	4-Bromophenyl-phenylether	33.8	U	33.8	210	ug/Kg
118-74-1	Hexachlorobenzene	30.7	U	30.7	210	ug/Kg
1912-24-9	Atrazine	41.3	U	41.3	210	ug/Kg
87-86-5	Pentachlorophenol	62.3	U	62.3	400	ug/Kg
85-01-8	Phenanthrene	25.4	U	25.4	210	ug/Kg
120-12-7	Anthracene	40.5	U	40.5	210	ug/Kg
86-74-8	Carbazole	37.9	U	37.9	210	ug/Kg
84-74-2	Di-n-butylphthalate	58.2	U	58.2	210	ug/Kg
206-44-0	Fluoranthene	36.4	U	36.4	210	ug/Kg
129-00-0	Pyrene	43.7	U	43.7	210	ug/Kg
85-68-7	Butylbenzylphthalate	86.7	U	86.7	210	ug/Kg
91-94-1	3,3-Dichlorobenzidine	44.6	U	44.6	400	ug/Kg
56-55-3	Benzo(a)anthracene	27.9	U	27.9	210	ug/Kg
218-01-9	Chrysene	24.2	U	24.2	210	ug/Kg
117-81-7	Bis(2-ethylhexyl)phthalate	71.9	U	71.9	210	ug/Kg
117-84-0	Di-n-octyl phthalate	110	U	110	400	ug/Kg
205-99-2	Benzo(b)fluoranthene	23.1	U	23.1	210	ug/Kg

Report of Analysis

Client:	CDM Smith	Date Collected:	06/25/25
Project:	South River WM Replacement	Date Received:	06/26/25
Client Sample ID:	TP-70	SDG No.:	Q2436
Lab Sample ID:	Q2436-01	Matrix:	SOIL
Analytical Method:	8270E	% Solid:	82.1
Sample Wt/Vol:	30.08 Units: g	Final Vol:	1000 uL
Soil Aliquot Vol:	uL	Test:	SVOC-TCL BNA -20
Extraction Type :	Decanted : N	Level :	LOW
Injection Volume :	GPC Factor : 1.0	GPC Cleanup :	N PH :
Prep Method :	SW3541		

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
BF142923.D	1	06/27/25 11:20	06/30/25 19:13	PB168649

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units(Dry Weight)
207-08-9	Benzo(k)fluoranthene	27.2	U	27.2	210	ug/Kg
50-32-8	Benzo(a)pyrene	35.8	U	35.8	210	ug/Kg
193-39-5	Indeno(1,2,3-cd)pyrene	35.4	U	35.4	210	ug/Kg
53-70-3	Dibenzo(a,h)anthracene	33.3	U	33.3	210	ug/Kg
191-24-2	Benzo(g,h,i)perylene	31.2	U	31.2	210	ug/Kg
95-94-3	1,2,4,5-Tetrachlorobenzene	31.1	U	31.1	210	ug/Kg
123-91-1	1,4-Dioxane	54.9	U	54.9	210	ug/Kg
58-90-2	2,3,4,6-Tetrachlorophenol	33.3	U	33.3	210	ug/Kg
SURROGATES						
367-12-4	2-Fluorophenol	64.5		18 - 112	43%	SPK: 150
13127-88-3	Phenol-d6	64.0		15 - 107	43%	SPK: 150
4165-60-0	Nitrobenzene-d5	40.1		18 - 107	40%	SPK: 100
321-60-8	2-Fluorobiphenyl	37.5		20 - 109	37%	SPK: 100
118-79-6	2,4,6-Tribromophenol	55.2		10 - 116	37%	SPK: 150
1718-51-0	Terphenyl-d14	32.2		10 - 105	32%	SPK: 100
INTERNAL STANDARDS						
3855-82-1	1,4-Dichlorobenzene-d4	67100	6.869			
1146-65-2	Naphthalene-d8	252000	8.157			
15067-26-2	Acenaphthene-d10	129000	9.91			
1517-22-2	Phenanthrene-d10	206000	11.404			
1719-03-5	Chrysene-d12	122000	14.045			
1520-96-3	Perylene-d12	140000	15.539			
TENTATIVE IDENTIFIED COMPOUNDS						
000123-42-2	2-Pentanone, 4-hydroxy-4-methyl-	190	AB		5.08	ug/Kg
000119-61-9	Benzophenone	130	J		10.6	ug/Kg

Report of Analysis

Client:	CDM Smith	Date Collected:	06/25/25
Project:	South River WM Replacement	Date Received:	06/26/25
Client Sample ID:	TP-70	SDG No.:	Q2436
Lab Sample ID:	Q2436-01	Matrix:	SOIL
Analytical Method:	8270E	% Solid:	82.1
Sample Wt/Vol:	30.08	Units:	g
Soil Aliquot Vol:		Final Vol:	1000 uL
Extraction Type :		Test:	SVOC-TCL BNA -20
	Decanted :	Level :	LOW
Injection Volume :	GPC Factor :	1.0	GPC Cleanup : N PH :
Prep Method :	SW3541		

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
BF142923.D	1	06/27/25 11:20	06/30/25 19:13	PB168649

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\BF063025\
Data File : BF142923.D
Acq On : 30 Jun 2025 19:13
Operator : RC/JU
Sample : Q2436-01
Misc :
ALS Vial : 9 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
TP-70

Quant Time: Jul 01 01:24:12 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF061925.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Tue Jun 24 05:28:21 2025
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) 1,4-Dichlorobenzene-d4	6.869	152	67119	20.000	ng	-0.01
21) Naphthalene-d8	8.157	136	251731	20.000	ng	-0.01
39) Acenaphthene-d10	9.910	164	128727	20.000	ng	-0.01
64) Phenanthrene-d10	11.404	188	205881	20.000	ng	0.00
76) Chrysene-d12	14.045	240	122352	20.000	ng	-0.01
86) Perylene-d12	15.539	264	139575	20.000	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.493	112	260111	64.522	ng	0.00
7) Phenol-d6	6.498	99	304608	64.044	ng	-0.01
23) Nitrobenzene-d5	7.434	82	183870	40.064	ng	-0.01
42) 2,4,6-Tribromophenol	10.704	330	73120	55.198	ng	-0.01
45) 2-Fluorobiphenyl	9.234	172	366981	37.451	ng	-0.01
79) Terphenyl-d14	12.986	244	285448	32.235	ng	-0.01

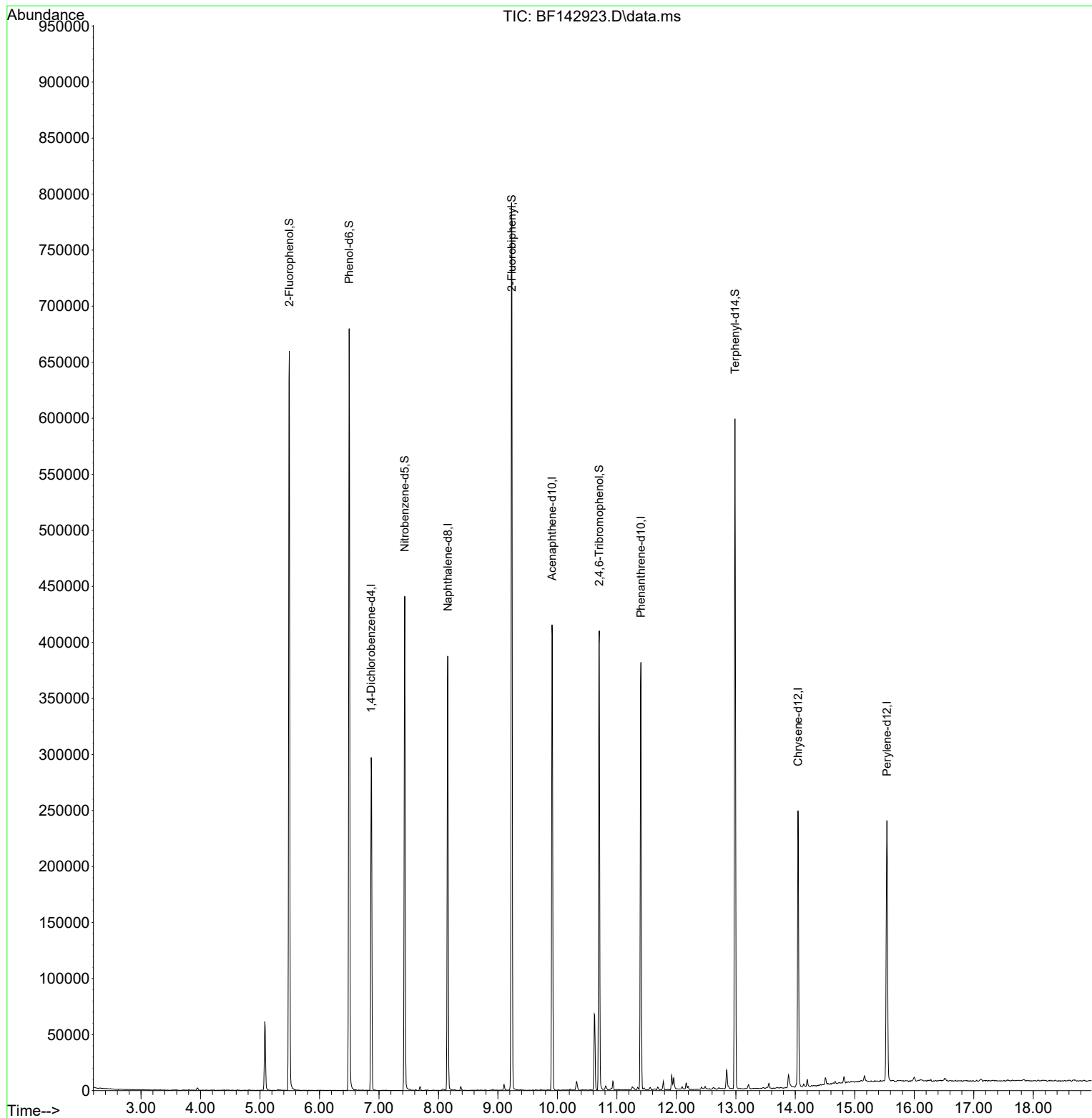
Target Compounds	Qvalue

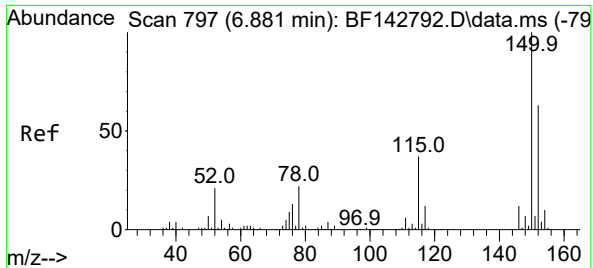
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF063025\
Data File : BF142923.D
Acq On : 30 Jun 2025 19:13
Operator : RC/JU
Sample : Q2436-01
Misc :
ALS Vial : 9 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
TP-70

Quant Time: Jul 01 01:24:12 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF061925.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Tue Jun 24 05:28:21 2025
Response via : Initial Calibration

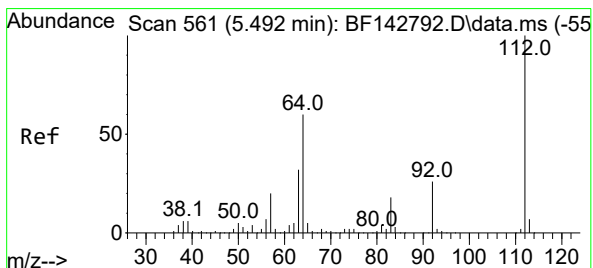
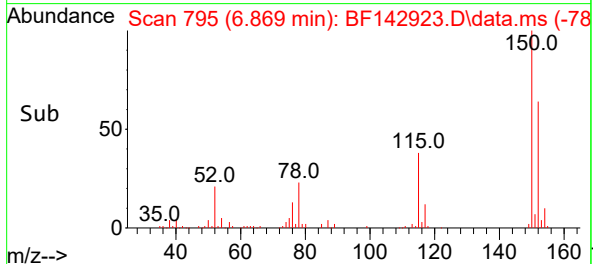
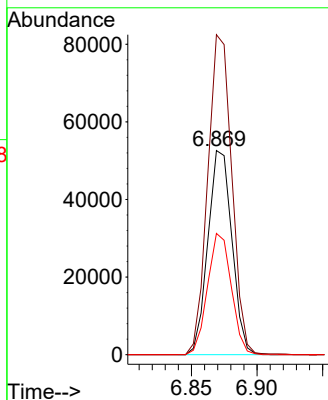
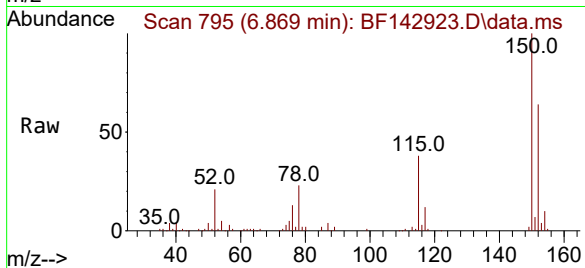




#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.869 min Scan# 797
Delta R.T. -0.012 min
Lab File: BF142923.D
Acq: 30 Jun 2025 19:13

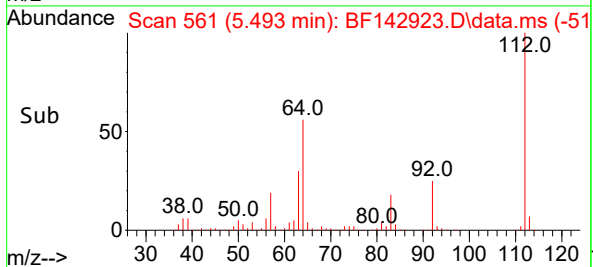
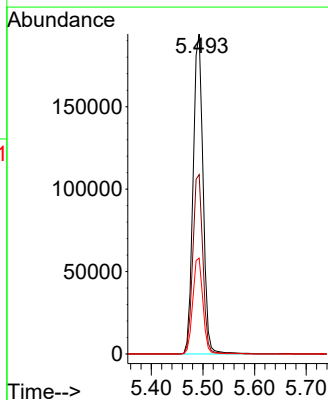
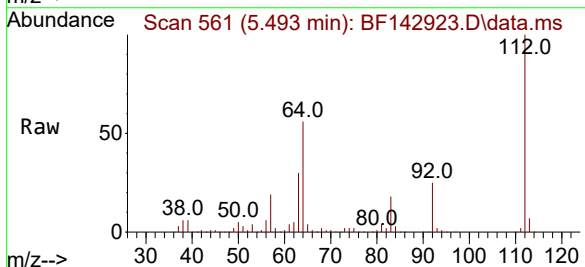
Instrument :
BNA_F
ClientSampleId :
TP-70

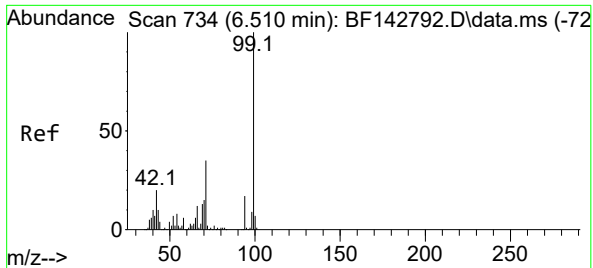
Tgt Ion:152 Resp: 67119
Ion Ratio Lower Upper
152 100
150 156.7 127.2 190.8
115 59.4 46.6 69.8



#5
2-Fluorophenol
Concen: 64.522 ng
RT: 5.493 min Scan# 561
Delta R.T. 0.001 min
Lab File: BF142923.D
Acq: 30 Jun 2025 19:13

Tgt Ion:112 Resp: 260111
Ion Ratio Lower Upper
112 100
64 56.1 48.2 72.2
63 29.9 25.7 38.5

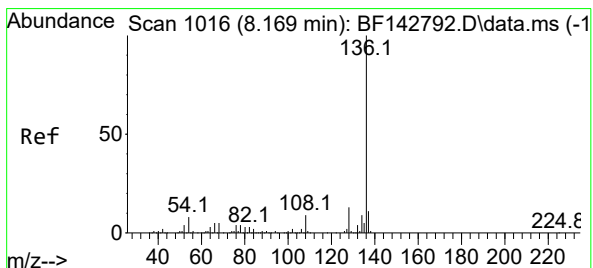
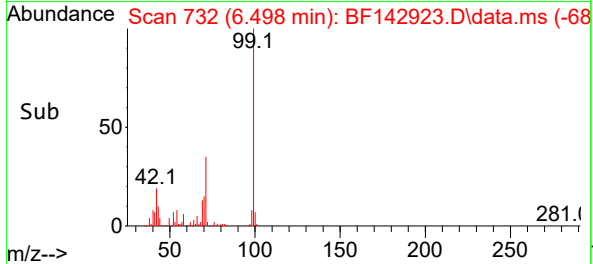
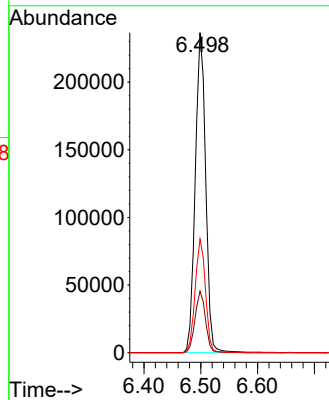
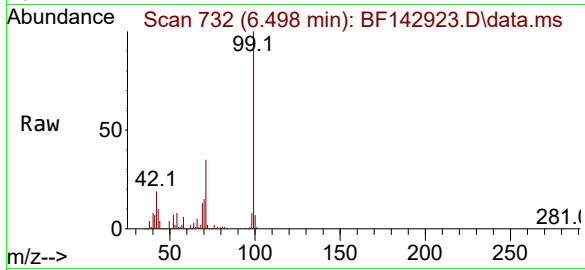




#7
Phenol-d6
Concen: 64.044 ng
RT: 6.498 min Scan# 71
Delta R.T. -0.012 min
Lab File: BF142923.D
Acq: 30 Jun 2025 19:13

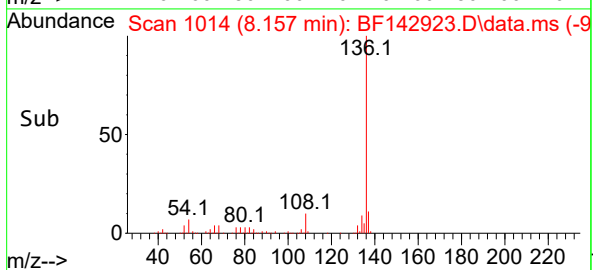
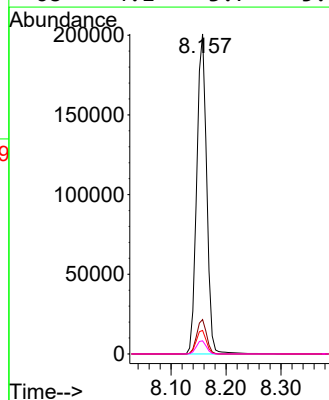
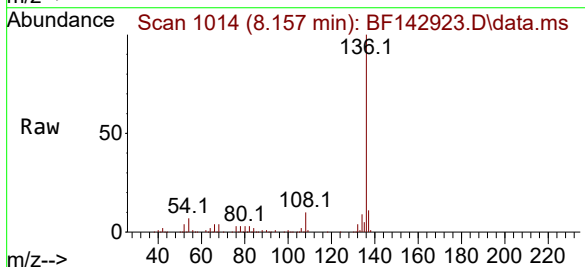
Instrument :
BNA_F
ClientSampleId :
TP-70

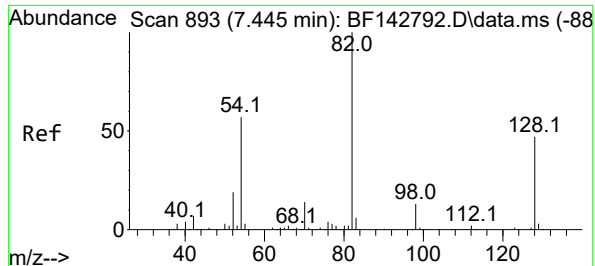
Tgt Ion: 99 Resp: 304608
Ion Ratio Lower Upper
99 100
42 19.2 15.9 23.9
71 35.5 27.8 41.8



#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.157 min Scan# 1014
Delta R.T. -0.012 min
Lab File: BF142923.D
Acq: 30 Jun 2025 19:13

Tgt Ion: 136 Resp: 251731
Ion Ratio Lower Upper
136 100
137 10.8 8.4 12.6
54 7.3 6.3 9.5
68 4.1 3.7 5.5





#23

Nitrobenzene-d5

Concen: 40.064 ng

RT: 7.434 min Scan# 89

Delta R.T. -0.011 min

Lab File: BF142923.D

Acq: 30 Jun 2025 19:13

Instrument :

BNA_F

ClientSampleId :

TP-70

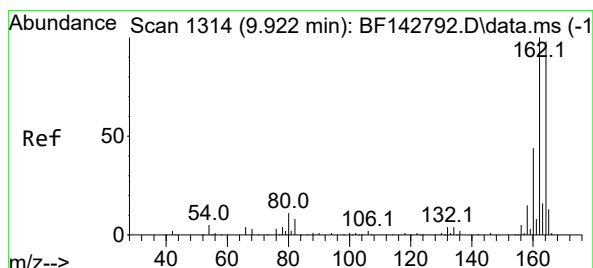
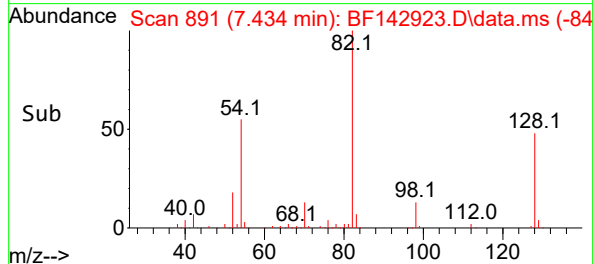
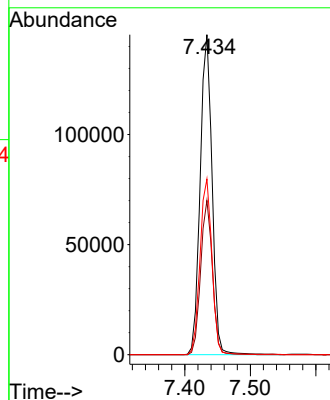
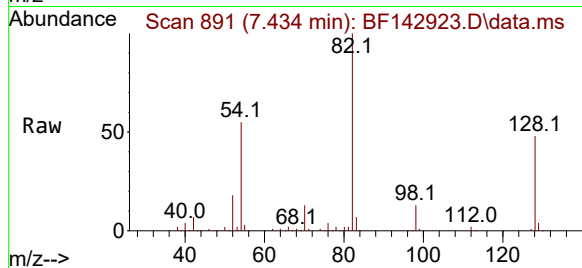
Tgt Ion: 82 Resp: 183870

Ion Ratio Lower Upper

82 100

128 48.2 37.7 56.5

54 54.9 45.7 68.5



#39

Acenaphthene-d10

Concen: 20.000 ng

RT: 9.910 min Scan# 1312

Delta R.T. -0.012 min

Lab File: BF142923.D

Acq: 30 Jun 2025 19:13

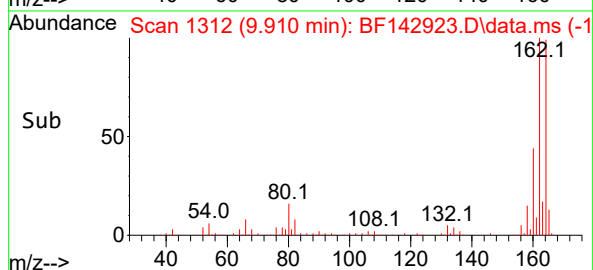
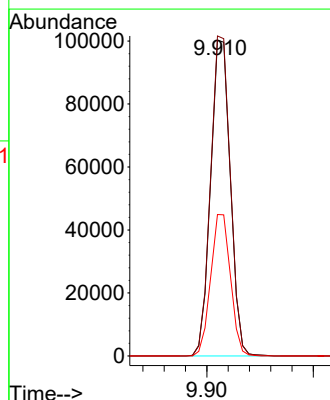
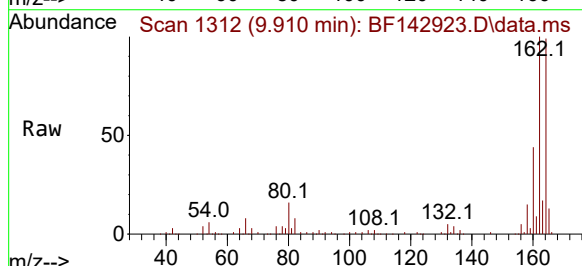
Tgt Ion:164 Resp: 128727

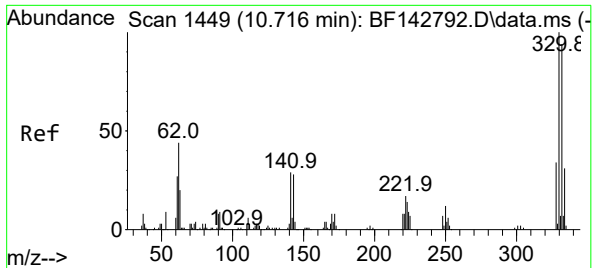
Ion Ratio Lower Upper

164 100

162 101.3 81.8 122.8

160 44.8 36.0 54.0





#42

2,4,6-Tribromophenol

Concen: 55.198 ng

RT: 10.704 min Scan# 1447

Delta R.T. -0.012 min

Lab File: BF142923.D

Acq: 30 Jun 2025 19:13

Instrument :

BNA_F

ClientSampleId :

TP-70

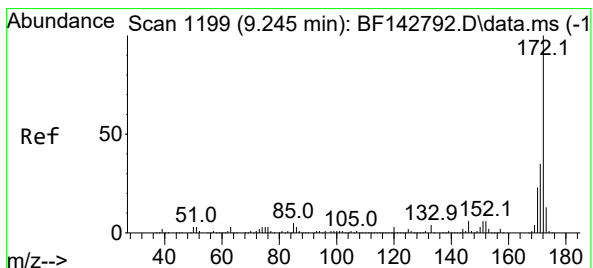
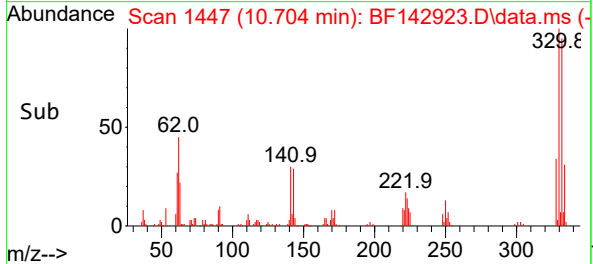
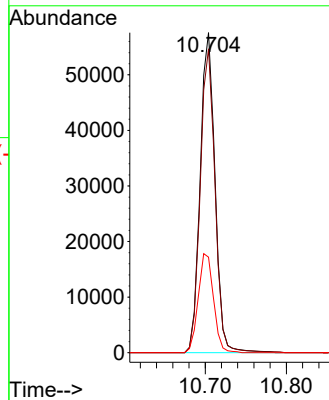
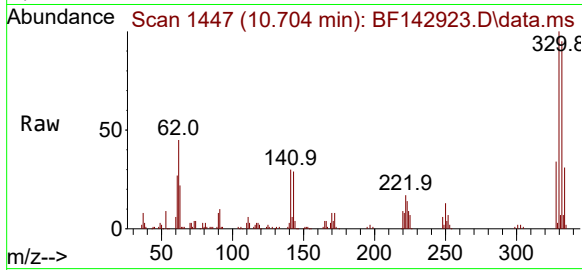
Tgt Ion:330 Resp: 73120

Ion Ratio Lower Upper

330 100

332 95.1 75.0 112.6

141 31.9 25.3 37.9



#45

2-Fluorobiphenyl

Concen: 37.451 ng

RT: 9.234 min Scan# 1197

Delta R.T. -0.011 min

Lab File: BF142923.D

Acq: 30 Jun 2025 19:13

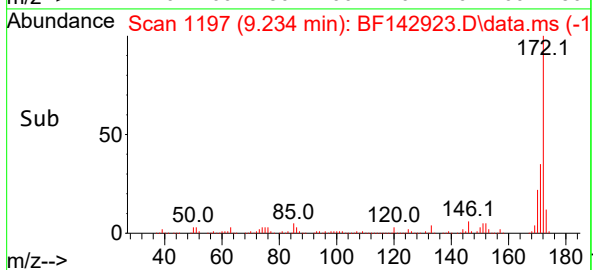
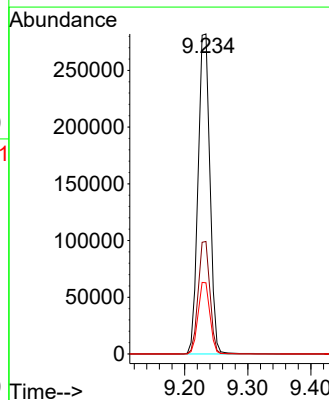
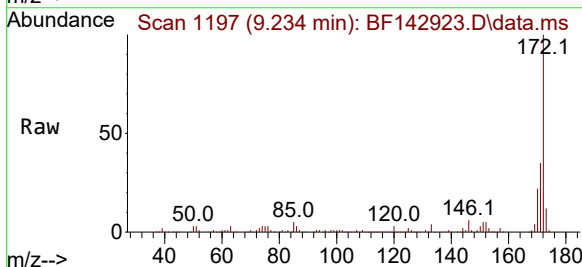
Tgt Ion:172 Resp: 366981

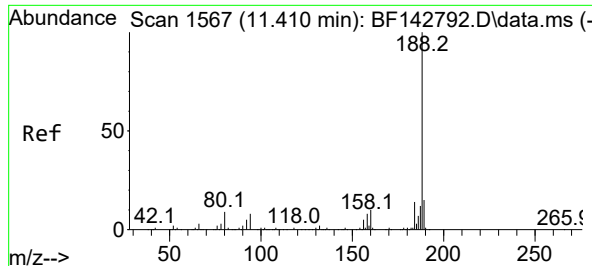
Ion Ratio Lower Upper

172 100

171 35.1 28.2 42.4

170 22.3 18.5 27.7





#64

Phenanthrene-d10

Concen: 20.000 ng

RT: 11.404 min Scan# 1

Delta R.T. -0.006 min

Lab File: BF142923.D

Acq: 30 Jun 2025 19:13

Instrument :

BNA_F

ClientSampleId :

TP-70

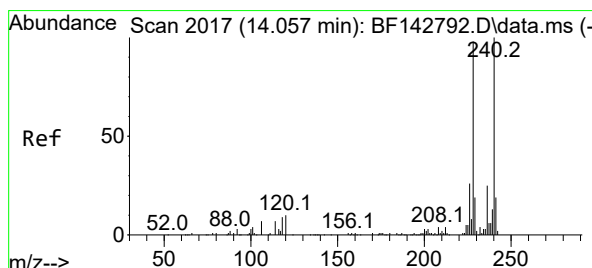
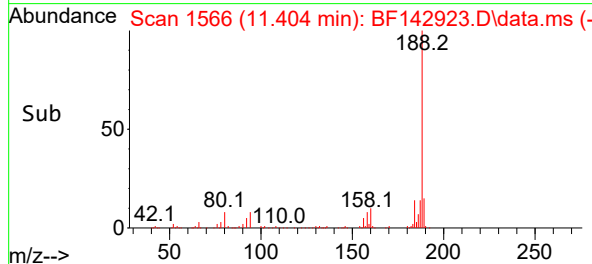
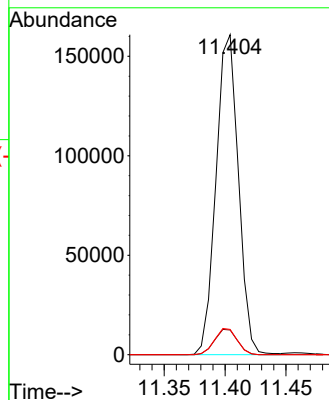
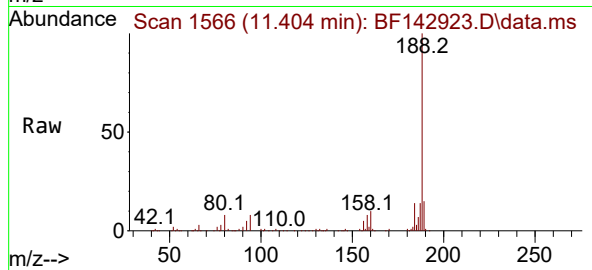
Tgt Ion:188 Resp: 205881

Ion Ratio Lower Upper

188 100

94 7.7 6.7 10.1

80 7.9 6.9 10.3



#76

Chrysene-d12

Concen: 20.000 ng

RT: 14.045 min Scan# 2015

Delta R.T. -0.012 min

Lab File: BF142923.D

Acq: 30 Jun 2025 19:13

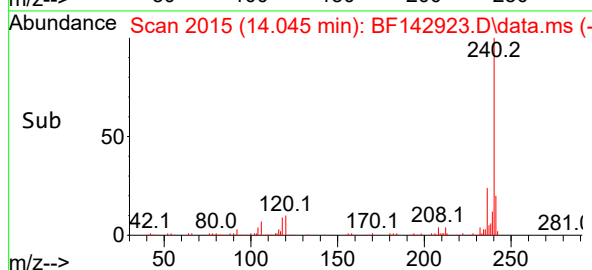
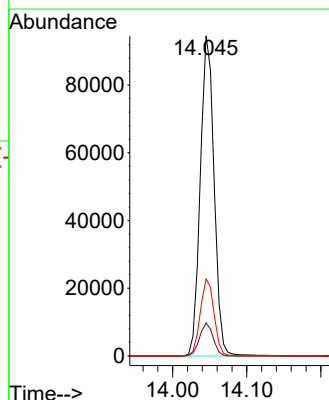
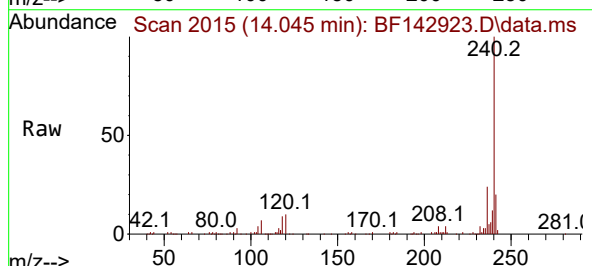
Tgt Ion:240 Resp: 122352

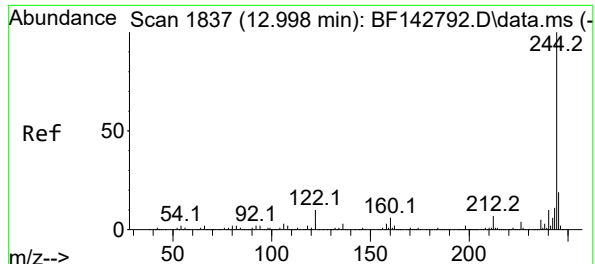
Ion Ratio Lower Upper

240 100

120 10.3 8.2 12.2

236 24.1 19.8 29.8





#79

Terphenyl-d14

Concen: 32.235 ng

RT: 12.986 min Scan# 11

Delta R.T. -0.012 min

Lab File: BF142923.D

Acq: 30 Jun 2025 19:13

Instrument :

BNA_F

ClientSampleId :

TP-70

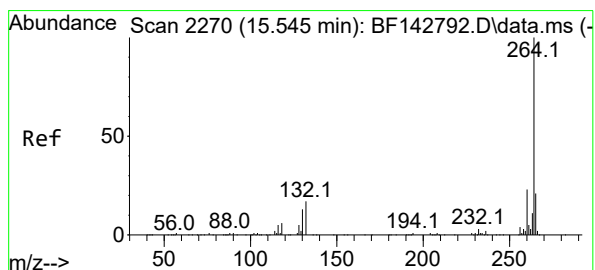
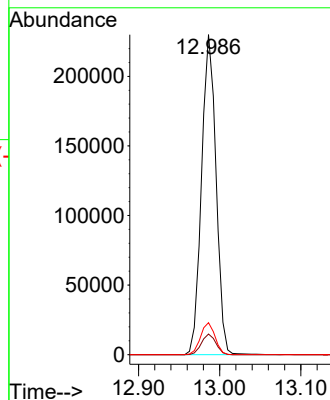
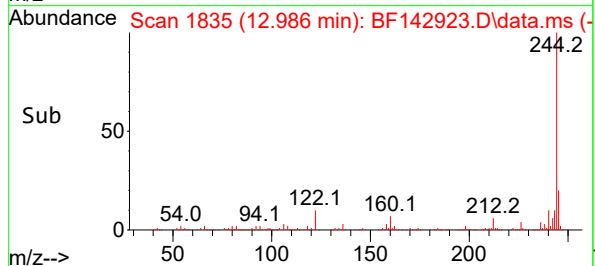
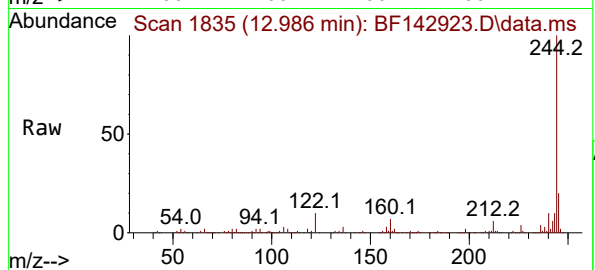
Tgt Ion:244 Resp: 285448

Ion Ratio Lower Upper

244 100

212 6.5 5.4 8.0

122 10.0 8.2 12.2



#86

Perylene-d12

Concen: 20.000 ng

RT: 15.539 min Scan# 2269

Delta R.T. -0.006 min

Lab File: BF142923.D

Acq: 30 Jun 2025 19:13

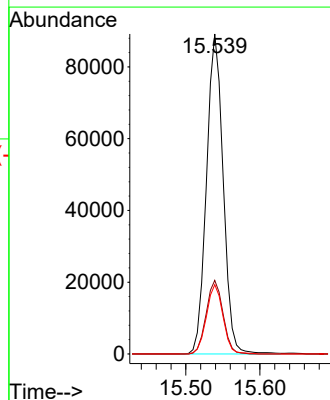
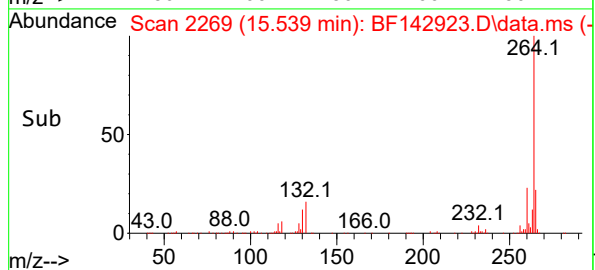
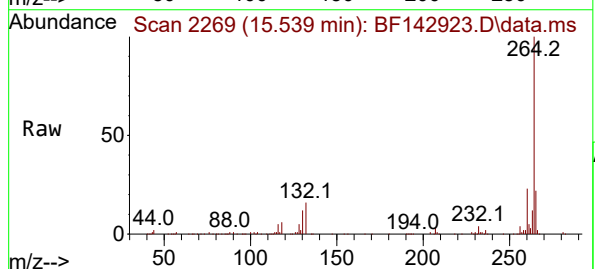
Tgt Ion:264 Resp: 139575

Ion Ratio Lower Upper

264 100

260 23.0 18.1 27.1

265 21.6 16.6 25.0



Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF063025\
 Data File : BF142923.D
 Acq On : 30 Jun 2025 19:13
 Operator : RC/JU
 Sample : Q2436-01
 Misc :
 ALS Vial : 9 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 TP-70

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-BF061925.M

Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

Signal : TIC: BF142923.D\data.ms

peak #	R.T. min	first scan	max scan	last scan	PK TY	peak height	corr. area	corr. % max.	% of total
1	5.081	484	491	502	rBV	61325	88990	8.77%	1.200%
2	5.493	555	561	576	rBV	659784	884674	87.19%	11.928%
3	6.498	727	732	747	rBV	679475	873947	86.13%	11.784%
4	6.869	791	795	803	rBV	297088	373144	36.78%	5.031%
5	7.434	885	891	902	rBV	440937	553648	54.57%	7.465%
6	8.157	1009	1014	1019	rBV	387457	478995	47.21%	6.459%
7	9.228	1191	1196	1202	rBV	791577	1014652	100.00%	13.681%
8	9.910	1307	1312	1321	rVB	415461	527893	52.03%	7.118%
9	10.322	1376	1382	1388	rVB3	7749	13111	1.29%	0.177%
10	10.622	1428	1433	1440	rBV	67683	87924	8.67%	1.186%
11	10.704	1442	1447	1458	rBV	409718	534477	52.68%	7.207%
12	11.404	1560	1566	1572	rBV	381259	484652	47.77%	6.535%
13	11.922	1649	1654	1657	rBV	12981	17582	1.73%	0.237%
14	11.957	1657	1660	1671	rVB	10038	14940	1.47%	0.201%
15	12.845	1806	1811	1820	rBV	16508	26938	2.65%	0.363%
16	12.986	1830	1835	1840	rBV	597898	735243	72.46%	9.914%
17	13.886	1983	1988	1998	rBV2	11581	23110	2.28%	0.312%
18	14.045	2006	2015	2025	rBV	246711	320628	31.60%	4.323%
19	15.539	2263	2269	2279	rVB	232362	361942	35.67%	4.880%

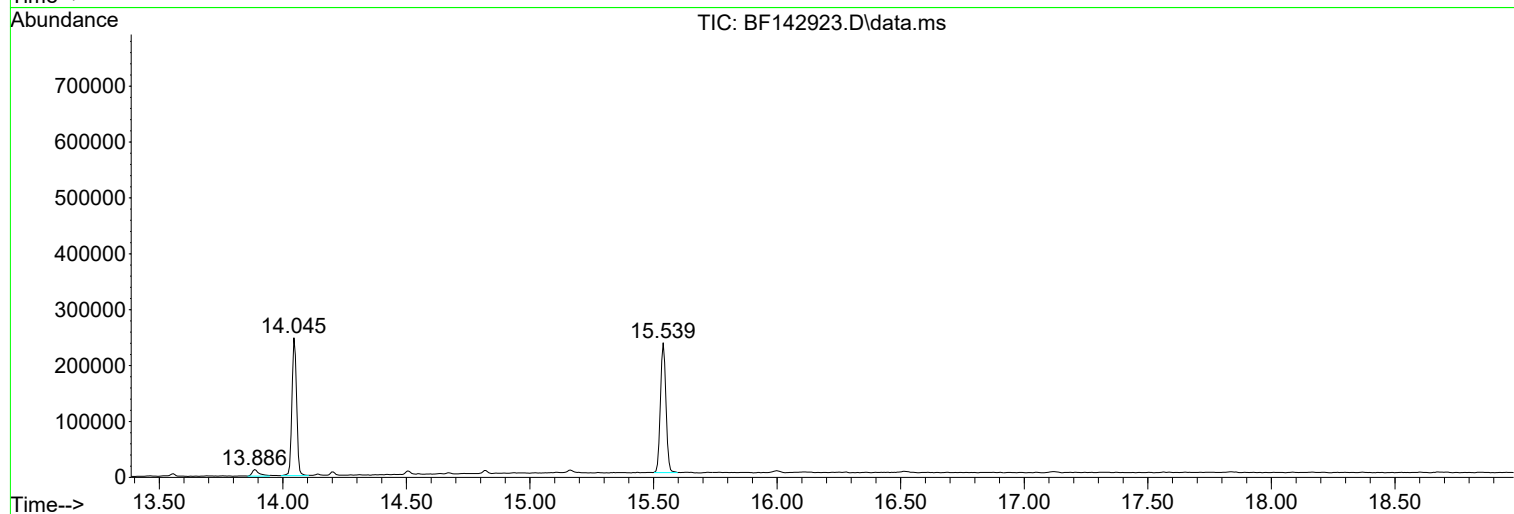
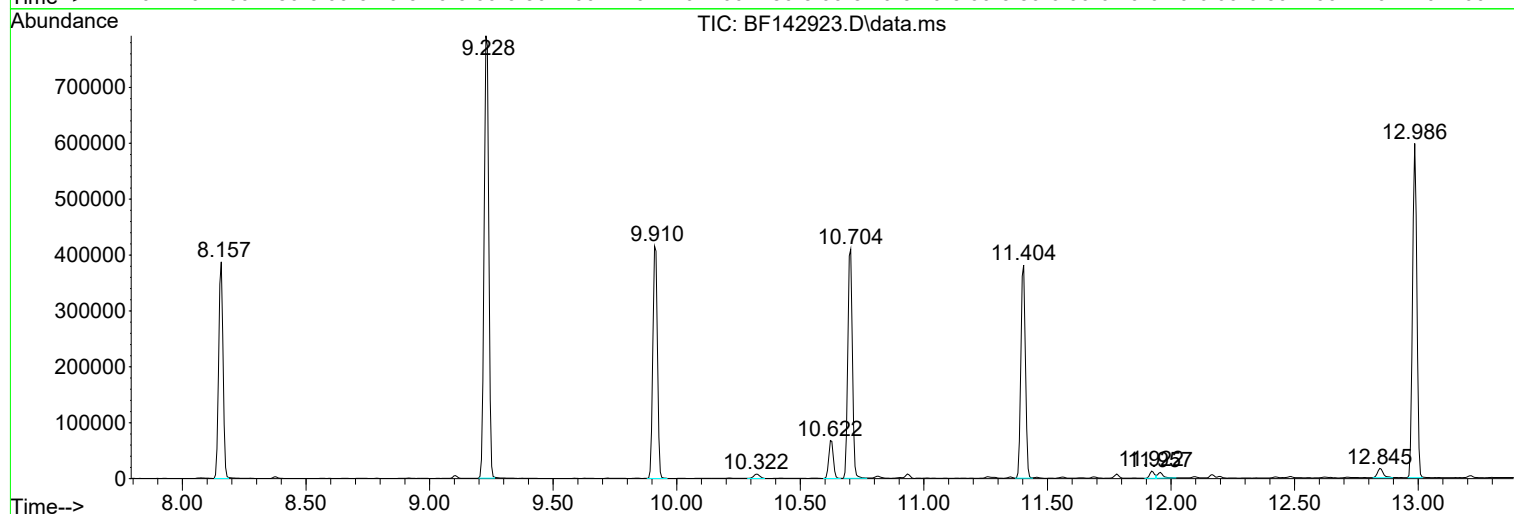
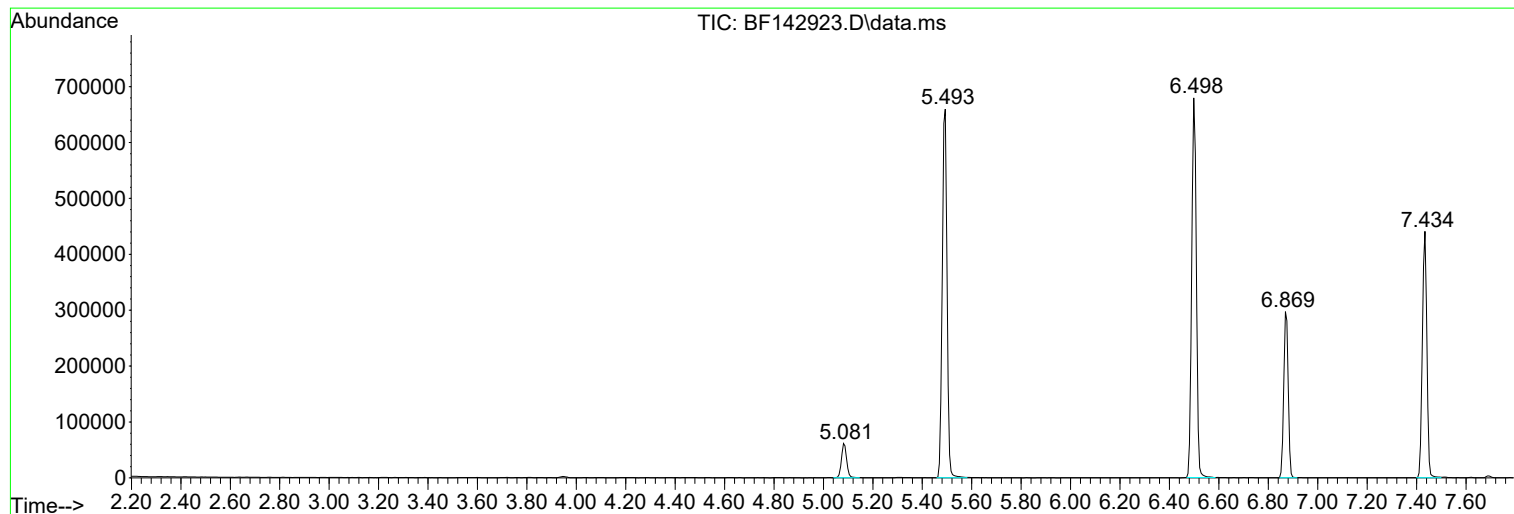
Sum of corrected areas: 7416490

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF063025\
Data File : BF142923.D
Acq On : 30 Jun 2025 19:13
Operator : RC/JU
Sample : Q2436-01
Misc :
ALS Vial : 9 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
TP-70

Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF061925.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\BF063025\
Data File : BF142923.D
Acq On : 30 Jun 2025 19:13
Operator : RC/JU
Sample : Q2436-01
Misc :
ALS Vial : 9 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
TP-70

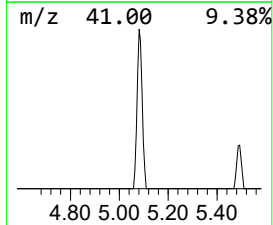
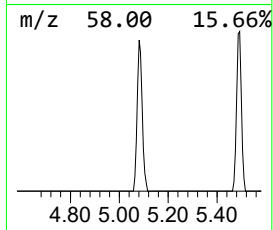
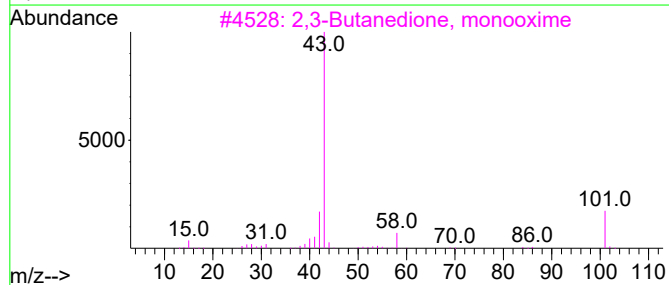
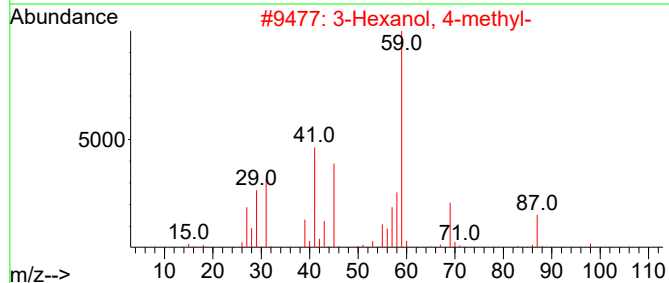
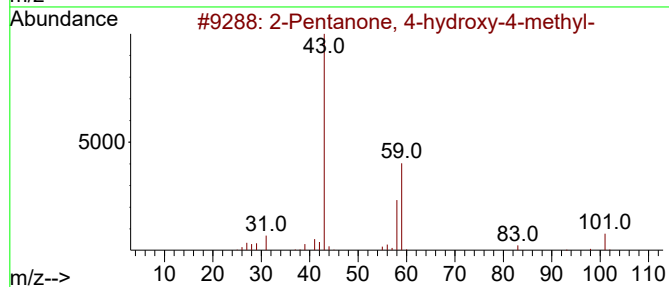
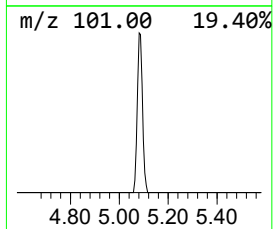
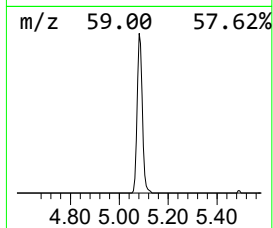
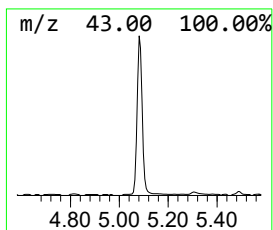
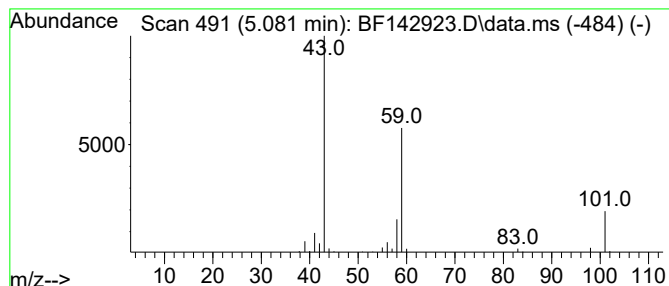
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF061925.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

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

R.T.	EstConc	Area	Relative to ISTD	R.T.
5.081	4.77 ng	88990	1,4-Dichlorobenzene-d4	6.869

Hit#	of	5	Tentative ID	MW	MolForm	CAS#	Qual
1	2-Pentanone, 4-hydroxy-4-methyl-	116	C6H12O2	000123-42-2	56		
2	3-Hexanol, 4-methyl-	116	C7H16O	000615-29-2	28		
3	2,3-Butanedione, monooxime	101	C4H7NO2	000057-71-6	25		
4	Acetic acid, cyano-, 1,1-dimethy...	141	C7H11NO2	001116-98-9	17		
5	1-Propen-2-ol, acetate	100	C5H8O2	000108-22-5	10		



Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF063025\
Data File : BF142923.D
Acq On : 30 Jun 2025 19:13
Operator : RC/JU
Sample : Q2436-01
Misc :
ALS Vial : 9 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
TP-70

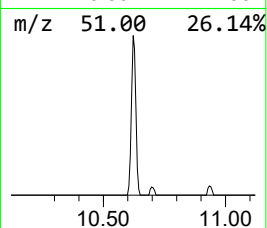
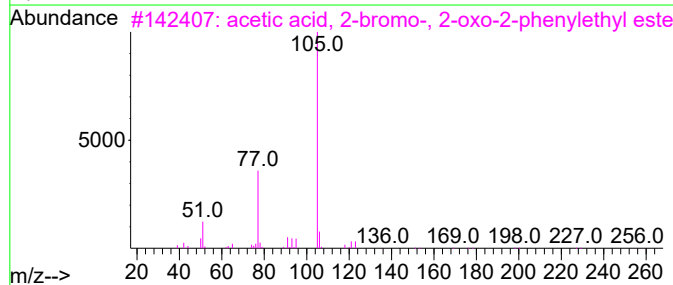
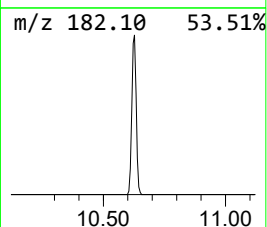
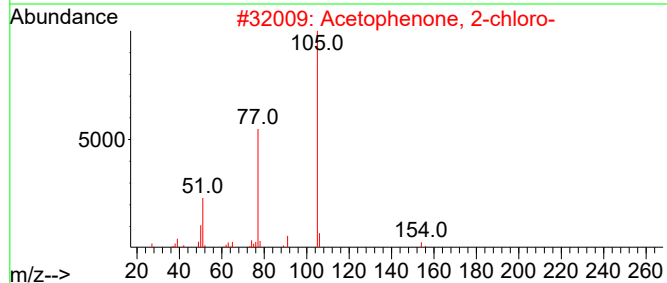
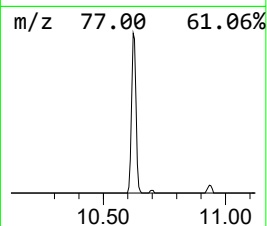
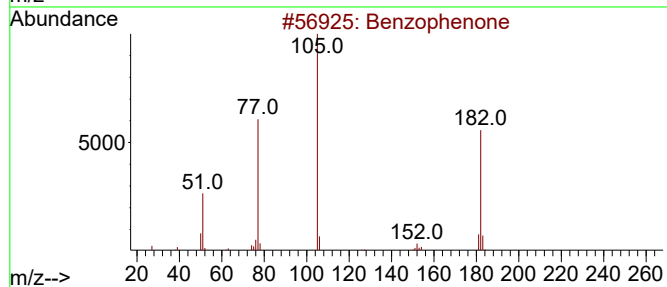
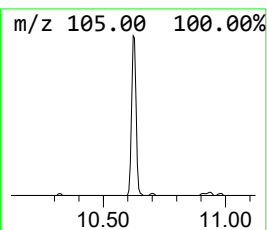
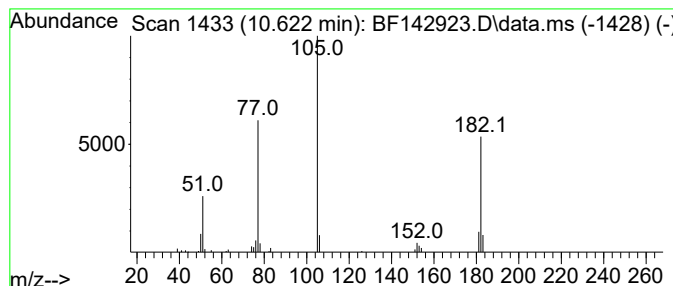
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF061925.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 2 Benzophenone Concentration Rank 2

R.T.	EstConc	Area	Relative to ISTD	R.T.
10.622	3.33 ng	87924	Acenaphthene-d10	9.910

Hit#	of	5	Tentative ID	MW	MolForm	CAS#	Qual
1			Benzophenone	182	C13H10O	000119-61-9	96
2			Acetophenone, 2-chloro-	154	C8H7ClO	000532-27-4	49
3			acetic acid, 2-bromo-, 2-oxo-2-p...	256	C10H9BrO3	1000401-50-0	47
4			Pentafluoroethyl phenyl ketone	224	C9H5F5O	000394-52-5	47
5			Benzeneacetic acid, .alpha.-oxo-...	164	C9H8O3	015206-55-0	47



Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF063025\
Data File : BF142923.D
Acq On : 30 Jun 2025 19:13
Operator : RC/JU
Sample : Q2436-01
Misc :
ALS Vial : 9 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
TP-70

Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF061925.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

TIC Top Hit name	RT	EstConc	Units	Response	--Internal Standard--			
					#	RT	Resp	Conc
2-Pentanone, 4-...	5.081	4.8	ng	88990	1	6.869	373144	20.0
Benzophenone	10.622	3.3	ng	87924	3	9.910	527893	20.0

Report of Analysis

Client:	CDM Smith	Date Collected:	06/25/25
Project:	South River WM Replacement	Date Received:	06/26/25
Client Sample ID:	TP-69	SDG No.:	Q2436
Lab Sample ID:	Q2436-02	Matrix:	SOIL
Analytical Method:	8270E	% Solid:	82
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
BF142932.D	1	06/27/25 11:20	06/30/25 23:45	PB168649

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units(Dry Weight)
TARGETS						
100-52-7	Benzaldehyde	190	U	190	400	ug/Kg
108-95-2	Phenol	26.9	U	26.9	210	ug/Kg
111-44-4	bis(2-Chloroethyl)ether	29.6	U	29.6	210	ug/Kg
95-57-8	2-Chlorophenol	29.7	U	29.7	210	ug/Kg
95-48-7	2-Methylphenol	36.4	U	36.4	210	ug/Kg
108-60-1	2,2-oxybis(1-Chloropropane)	45.7	U	45.7	210	ug/Kg
98-86-2	Acetophenone	36.0	U	36.0	210	ug/Kg
65794-96-9	3+4-Methylphenols	50.1	U	50.1	400	ug/Kg
621-64-7	n-Nitroso-di-n-propylamine	57.8	U	57.8	97.5	ug/Kg
67-72-1	Hexachloroethane	21.4	U	21.4	210	ug/Kg
98-95-3	Nitrobenzene	22.3	U	22.3	210	ug/Kg
78-59-1	Isophorone	40.0	U	40.0	210	ug/Kg
88-75-5	2-Nitrophenol	70.9	U	70.9	210	ug/Kg
105-67-9	2,4-Dimethylphenol	79.0	U	79.0	210	ug/Kg
111-91-1	bis(2-Chloroethoxy)methane	37.5	U	37.5	210	ug/Kg
120-83-2	2,4-Dichlorophenol	34.5	U	34.5	210	ug/Kg
91-20-3	Naphthalene	27.7	U	27.7	210	ug/Kg
106-47-8	4-Chloroaniline	43.1	U	43.1	210	ug/Kg
87-68-3	Hexachlorobutadiene	30.8	U	30.8	210	ug/Kg
105-60-2	Caprolactam	63.5	U	63.5	400	ug/Kg
59-50-7	4-Chloro-3-methylphenol	35.0	U	35.0	210	ug/Kg
91-57-6	2-Methylnaphthalene	31.2	U	31.2	210	ug/Kg
77-47-4	Hexachlorocyclopentadiene	140	U	140	400	ug/Kg
88-06-2	2,4,6-Trichlorophenol	24.1	U	24.1	210	ug/Kg
95-95-4	2,4,5-Trichlorophenol	35.5	U	35.5	210	ug/Kg
92-52-4	1,1-Biphenyl	26.6	U	26.6	210	ug/Kg
91-58-7	2-Chloronaphthalene	27.4	U	27.4	210	ug/Kg
88-74-4	2-Nitroaniline	58.6	U	58.6	210	ug/Kg
131-11-3	Dimethylphthalate	33.0	U	33.0	210	ug/Kg

Report of Analysis

Client:	CDM Smith	Date Collected:	06/25/25
Project:	South River WM Replacement	Date Received:	06/26/25
Client Sample ID:	TP-69	SDG No.:	Q2436
Lab Sample ID:	Q2436-02	Matrix:	SOIL
Analytical Method:	8270E	% Solid:	82
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
BF142932.D	1	06/27/25 11:20	06/30/25 23:45	PB168649

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units(Dry Weight)
208-96-8	Acenaphthylene	35.2	U	35.2	210	ug/Kg
606-20-2	2,6-Dinitrotoluene	40.9	U	40.9	210	ug/Kg
99-09-2	3-Nitroaniline	56.1	U	56.1	210	ug/Kg
83-32-9	Acenaphthene	26.0	U	26.0	210	ug/Kg
51-28-5	2,4-Dinitrophenol	280	U	280	400	ug/Kg
100-02-7	4-Nitrophenol	130	U	130	400	ug/Kg
132-64-9	Dibenzofuran	27.7	U	27.7	210	ug/Kg
121-14-2	2,4-Dinitrotoluene	61.1	U	61.1	210	ug/Kg
84-66-2	Diethylphthalate	34.5	U	34.5	210	ug/Kg
7005-72-3	4-Chlorophenyl-phenylether	32.5	U	32.5	210	ug/Kg
86-73-7	Fluorene	30.8	U	30.8	210	ug/Kg
100-01-6	4-Nitroaniline	78.2	U	78.2	210	ug/Kg
534-52-1	4,6-Dinitro-2-methylphenol	130	U	130	400	ug/Kg
86-30-6	n-Nitrosodiphenylamine	40.1	U	40.1	210	ug/Kg
101-55-3	4-Bromophenyl-phenylether	33.9	U	33.9	210	ug/Kg
118-74-1	Hexachlorobenzene	30.8	U	30.8	210	ug/Kg
1912-24-9	Atrazine	41.4	U	41.4	210	ug/Kg
87-86-5	Pentachlorophenol	62.5	U	62.5	400	ug/Kg
85-01-8	Phenanthrene	25.5	U	25.5	210	ug/Kg
120-12-7	Anthracene	40.6	U	40.6	210	ug/Kg
86-74-8	Carbazole	38.0	U	38.0	210	ug/Kg
84-74-2	Di-n-butylphthalate	58.4	U	58.4	210	ug/Kg
206-44-0	Fluoranthene	36.6	U	36.6	210	ug/Kg
129-00-0	Pyrene	43.9	U	43.9	210	ug/Kg
85-68-7	Butylbenzylphthalate	87.0	U	87.0	210	ug/Kg
91-94-1	3,3-Dichlorobenzidine	44.7	U	44.7	400	ug/Kg
56-55-3	Benzo(a)anthracene	28.0	U	28.0	210	ug/Kg
218-01-9	Chrysene	24.3	U	24.3	210	ug/Kg
117-81-7	Bis(2-ethylhexyl)phthalate	72.1	U	72.1	210	ug/Kg
117-84-0	Di-n-octyl phthalate	110	U	110	400	ug/Kg
205-99-2	Benzo(b)fluoranthene	23.2	U	23.2	210	ug/Kg

Report of Analysis

Client:	CDM Smith	Date Collected:	06/25/25
Project:	South River WM Replacement	Date Received:	06/26/25
Client Sample ID:	TP-69	SDG No.:	Q2436
Lab Sample ID:	Q2436-02	Matrix:	SOIL
Analytical Method:	8270E	% Solid:	82
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
BF142932.D	1	06/27/25 11:20	06/30/25 23:45	PB168649

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units(Dry Weight)
207-08-9	Benzo(k)fluoranthene	27.3	U	27.3	210	ug/Kg
50-32-8	Benzo(a)pyrene	36.0	U	36.0	210	ug/Kg
193-39-5	Indeno(1,2,3-cd)pyrene	35.5	U	35.5	210	ug/Kg
53-70-3	Dibenzo(a,h)anthracene	33.4	U	33.4	210	ug/Kg
191-24-2	Benzo(g,h,i)perylene	31.3	U	31.3	210	ug/Kg
95-94-3	1,2,4,5-Tetrachlorobenzene	31.2	U	31.2	210	ug/Kg
123-91-1	1,4-Dioxane	55.1	U	55.1	210	ug/Kg
58-90-2	2,3,4,6-Tetrachlorophenol	33.4	U	33.4	210	ug/Kg
SURROGATES						
367-12-4	2-Fluorophenol	68.7		18 - 112	46%	SPK: 150
13127-88-3	Phenol-d6	67.3		15 - 107	45%	SPK: 150
4165-60-0	Nitrobenzene-d5	44.1		18 - 107	44%	SPK: 100
321-60-8	2-Fluorobiphenyl	43.9		20 - 109	44%	SPK: 100
118-79-6	2,4,6-Tribromophenol	65.1		10 - 116	43%	SPK: 150
1718-51-0	Terphenyl-d14	30.0		10 - 105	30%	SPK: 100
INTERNAL STANDARDS						
3855-82-1	1,4-Dichlorobenzene-d4	85300	6.875			
1146-65-2	Naphthalene-d8	304000	8.157			
15067-26-2	Acenaphthene-d10	144000	9.916			
1517-22-2	Phenanthrene-d10	214000	11.404			
1719-03-5	Chrysene-d12	178000	14.045			
1520-96-3	Perylene-d12	203000	15.539			
TENTATIVE IDENTIFIED COMPOUNDS						
000123-42-2	2-Pentanone, 4-hydroxy-4-methyl-	210	AB		5.09	ug/Kg
000119-61-9	Benzophenone	110	J		10.6	ug/Kg
000506-51-4	n-Tetracosanol-1	120	J		13.9	ug/Kg
000791-28-6	Triphenylphosphine oxide	110	J		14.1	ug/Kg

Report of Analysis

Client:	CDM Smith	Date Collected:	06/25/25
Project:	South River WM Replacement	Date Received:	06/26/25
Client Sample ID:	TP-69	SDG No.:	Q2436
Lab Sample ID:	Q2436-02	Matrix:	SOIL
Analytical Method:	8270E	% Solid:	82
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
BF142932.D	1	06/27/25 11:20	06/30/25 23:45	PB168649

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\BF063025\
Data File : BF142932.D
Acq On : 30 Jun 2025 23:45
Operator : RC/JU
Sample : Q2436-02
Misc :
ALS Vial : 18 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
TP-69

Quant Time: Jul 01 01:26:20 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF061925.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Tue Jun 24 05:28:21 2025
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) 1,4-Dichlorobenzene-d4	6.875	152	85276	20.000	ng	0.00
21) Naphthalene-d8	8.157	136	304409	20.000	ng	-0.01
39) Acenaphthene-d10	9.916	164	144216	20.000	ng	0.00
64) Phenanthrene-d10	11.404	188	213538	20.000	ng	0.00
76) Chrysene-d12	14.045	240	178308	20.000	ng	-0.01
86) Perylene-d12	15.539	264	202825	20.000	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.493	112	351870	68.699	ng	0.00
7) Phenol-d6	6.504	99	406914	67.338	ng	0.00
23) Nitrobenzene-d5	7.434	82	244868	44.122	ng	-0.01
42) 2,4,6-Tribromophenol	10.704	330	96625	65.108	ng	-0.01
45) 2-Fluorobiphenyl	9.233	172	482311	43.934	ng	-0.01
79) Terphenyl-d14	12.986	244	387256	30.008	ng	-0.01

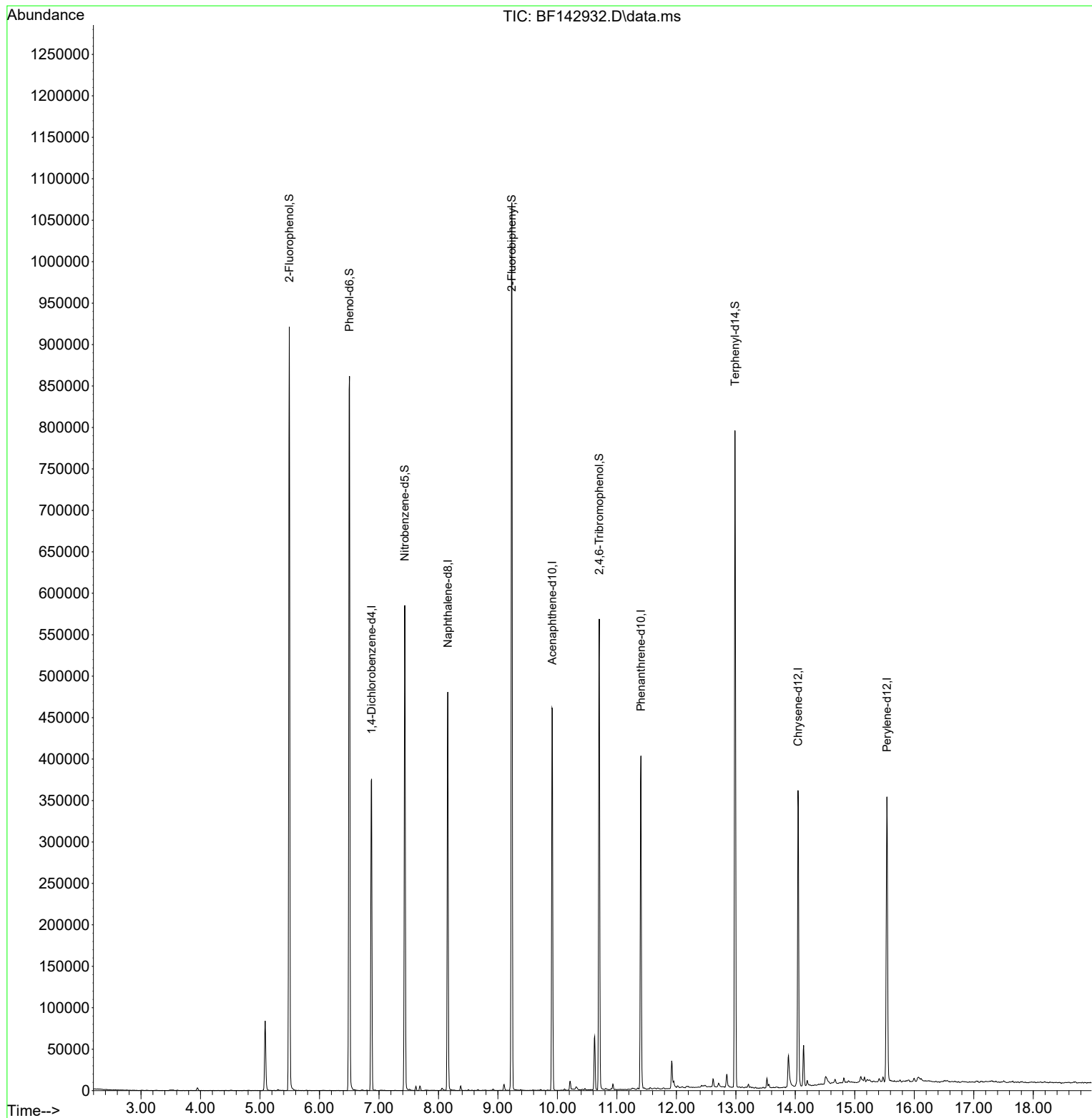
Target Compounds	Qvalue

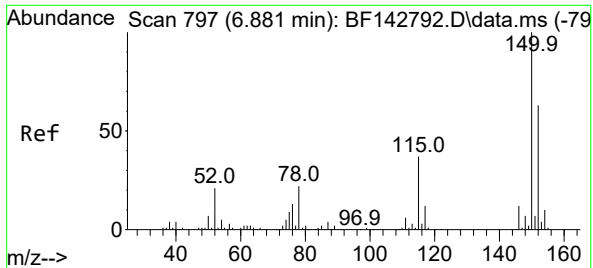
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF063025\
Data File : BF142932.D
Acq On : 30 Jun 2025 23:45
Operator : RC/JU
Sample : Q2436-02
Misc :
ALS Vial : 18 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
TP-69

Quant Time: Jul 01 01:26:20 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF061925.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Tue Jun 24 05:28:21 2025
Response via : Initial Calibration

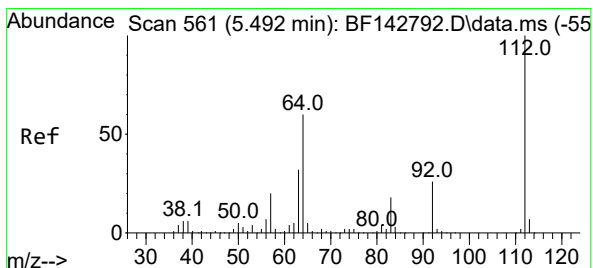
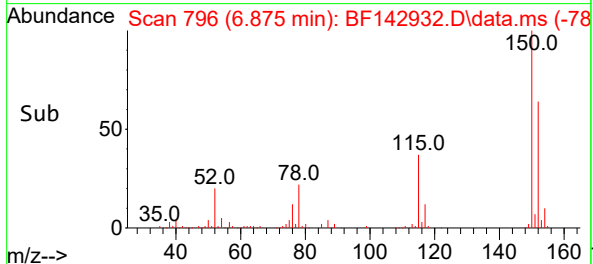
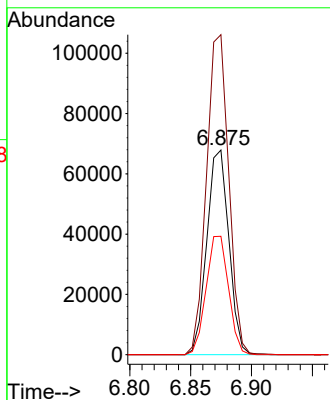
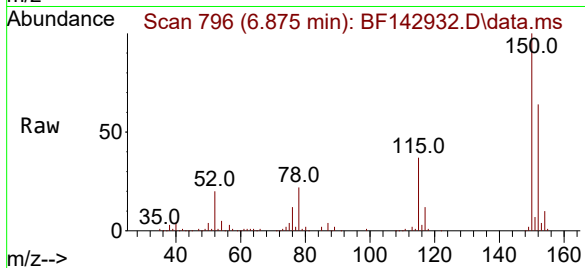




#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.875 min Scan# 797
Delta R.T. -0.006 min
Lab File: BF142932.D
Acq: 30 Jun 2025 23:45

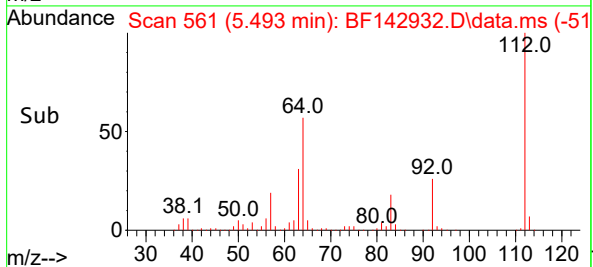
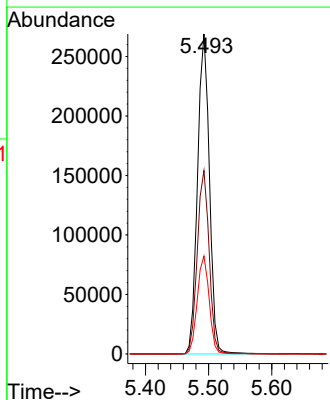
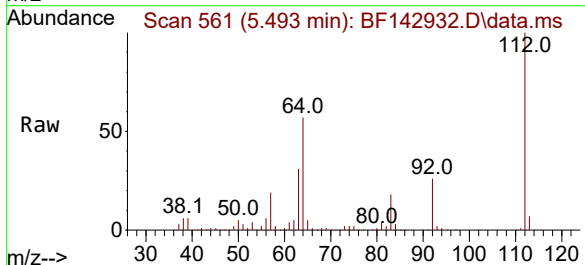
Instrument :
BNA_F
ClientSampleId :
TP-69

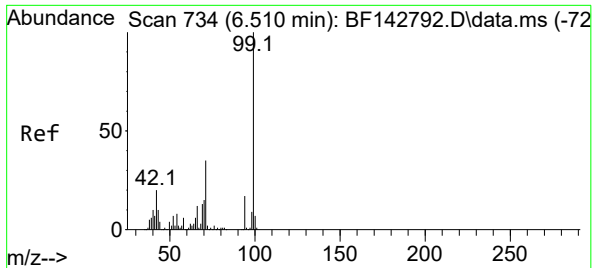
Tgt Ion:152 Resp: 85276
Ion Ratio Lower Upper
152 100
150 156.4 127.2 190.8
115 57.9 46.6 69.8



#5
2-Fluorophenol
Concen: 68.699 ng
RT: 5.493 min Scan# 561
Delta R.T. 0.001 min
Lab File: BF142932.D
Acq: 30 Jun 2025 23:45

Tgt Ion:112 Resp: 351870
Ion Ratio Lower Upper
112 100
64 57.3 48.2 72.2
63 30.6 25.7 38.5

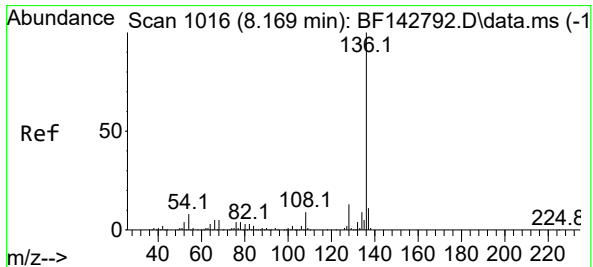
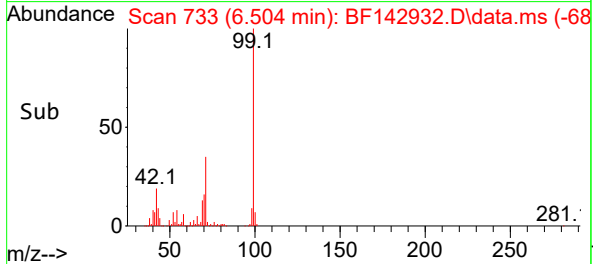
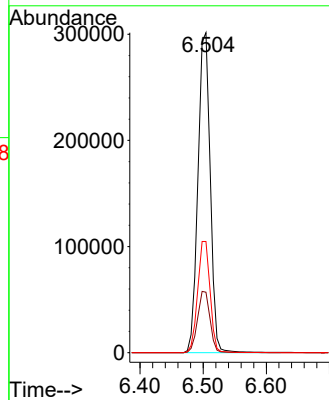
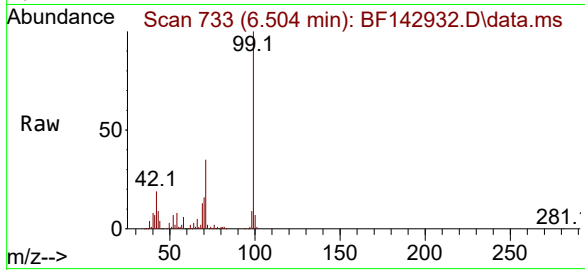




#7
Phenol-d6
Concen: 67.338 ng
RT: 6.504 min Scan# 71
Delta R.T. -0.006 min
Lab File: BF142932.D
Acq: 30 Jun 2025 23:45

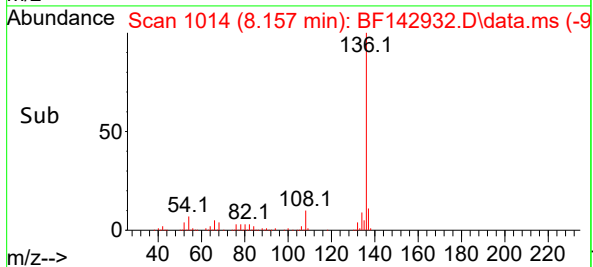
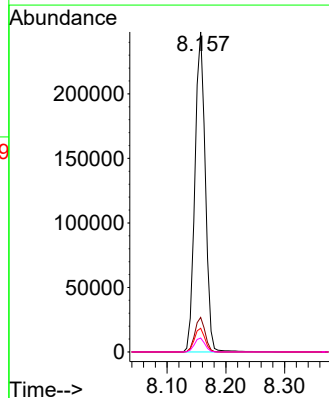
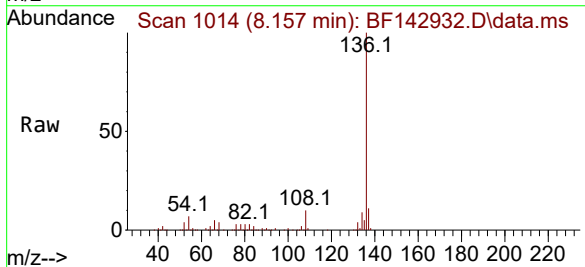
Instrument :
BNA_F
ClientSampleId :
TP-69

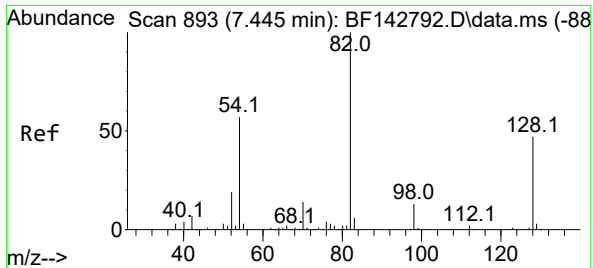
Tgt Ion: 99 Resp: 406914
Ion Ratio Lower Upper
99 100
42 18.9 15.9 23.9
71 34.8 27.8 41.8



#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.157 min Scan# 1014
Delta R.T. -0.012 min
Lab File: BF142932.D
Acq: 30 Jun 2025 23:45

Tgt Ion: 136 Resp: 304409
Ion Ratio Lower Upper
136 100
137 10.8 8.4 12.6
54 7.4 6.3 9.5
68 4.4 3.7 5.5





#23

Nitrobenzene-d5

Concen: 44.122 ng

RT: 7.434 min Scan# 89

Delta R.T. -0.011 min

Lab File: BF142932.D

Acq: 30 Jun 2025 23:45

Instrument :

BNA_F

ClientSampleId :

TP-69

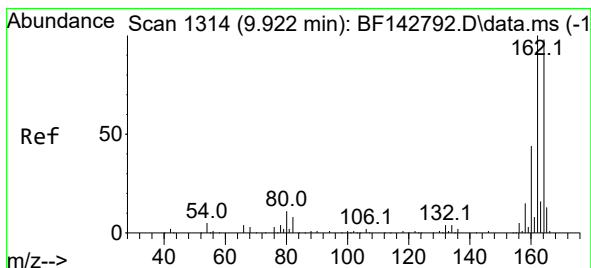
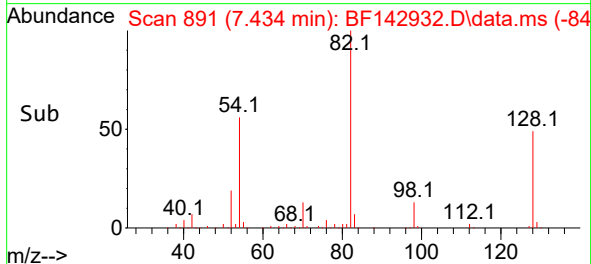
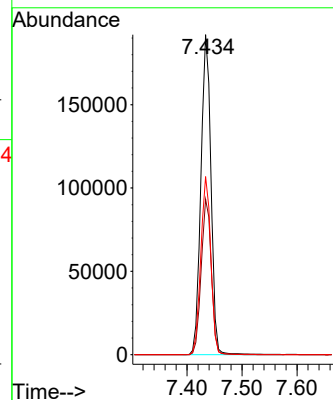
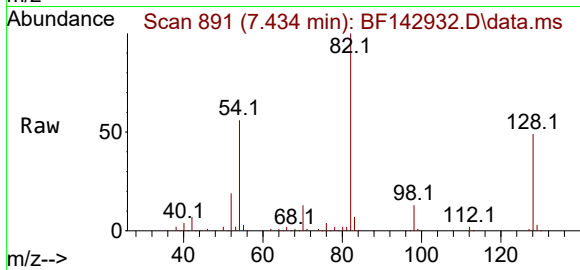
Tgt Ion: 82 Resp: 244868

Ion Ratio Lower Upper

82 100

128 48.5 37.7 56.5

54 55.6 45.7 68.5



#39

Acenaphthene-d10

Concen: 20.000 ng

RT: 9.916 min Scan# 1313

Delta R.T. -0.006 min

Lab File: BF142932.D

Acq: 30 Jun 2025 23:45

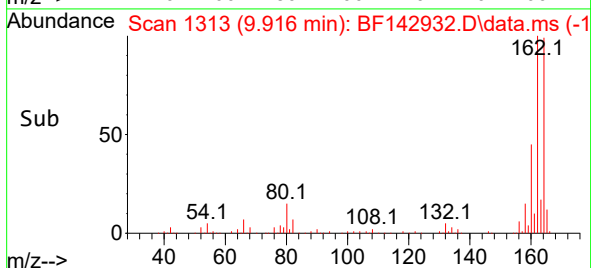
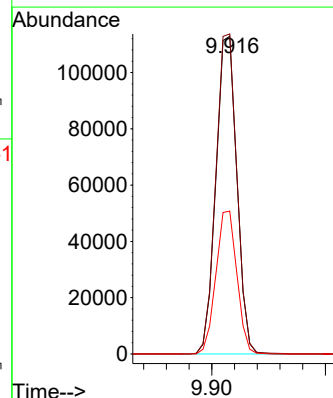
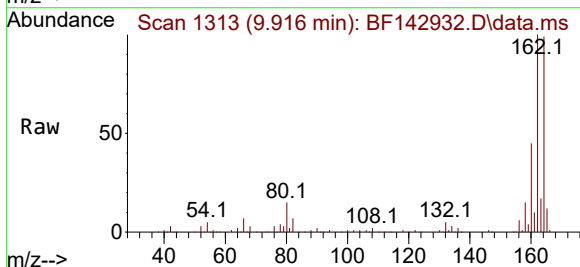
Tgt Ion:164 Resp: 144216

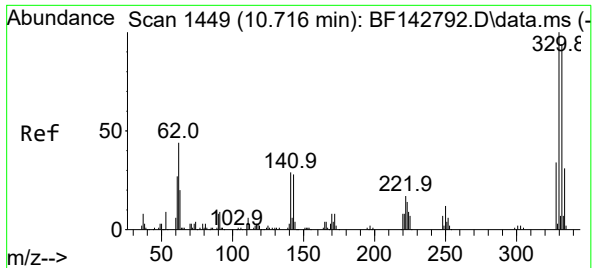
Ion Ratio Lower Upper

164 100

162 100.7 81.8 122.8

160 45.0 36.0 54.0





#42

2,4,6-Tribromophenol

Concen: 65.108 ng

RT: 10.704 min Scan# 1447

Delta R.T. -0.012 min

Lab File: BF142932.D

Acq: 30 Jun 2025 23:45

Instrument :

BNA_F

ClientSampleId :

TP-69

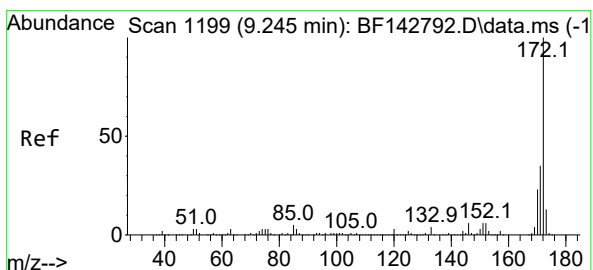
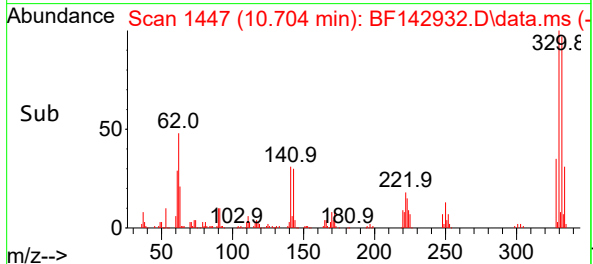
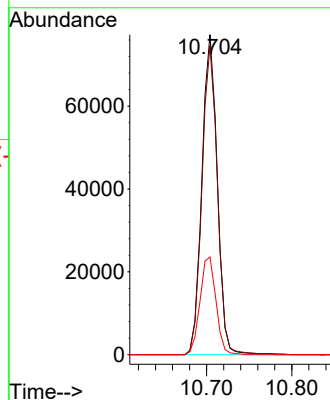
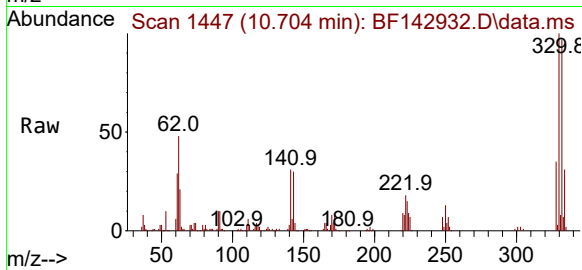
Tgt Ion:330 Resp: 96625

Ion Ratio Lower Upper

330 100

332 97.2 75.0 112.6

141 31.7 25.3 37.9



#45

2-Fluorobiphenyl

Concen: 43.934 ng

RT: 9.233 min Scan# 1197

Delta R.T. -0.012 min

Lab File: BF142932.D

Acq: 30 Jun 2025 23:45

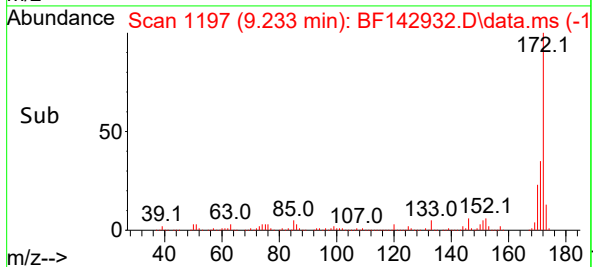
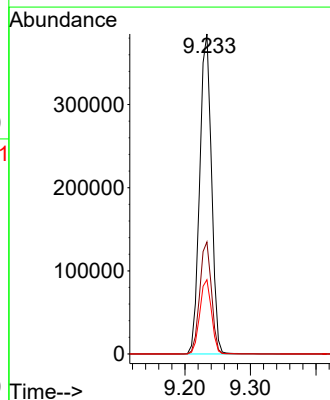
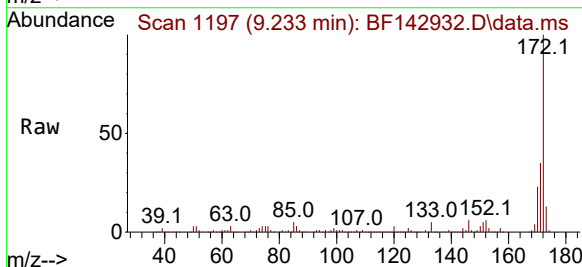
Tgt Ion:172 Resp: 482311

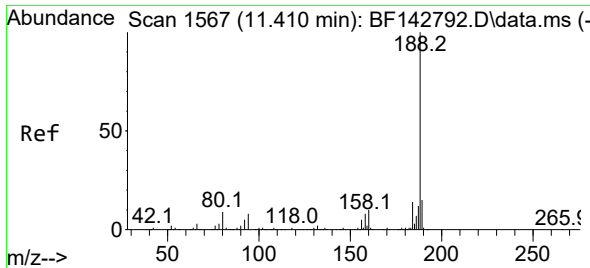
Ion Ratio Lower Upper

172 100

171 35.0 28.2 42.4

170 23.2 18.5 27.7

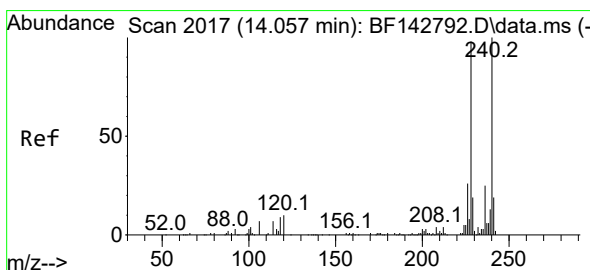
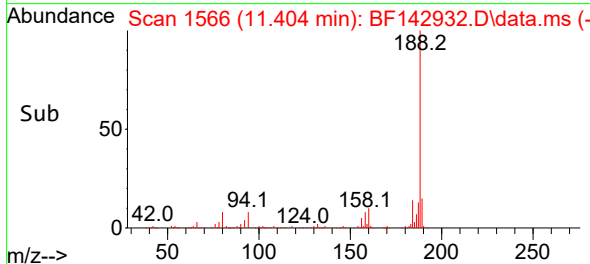
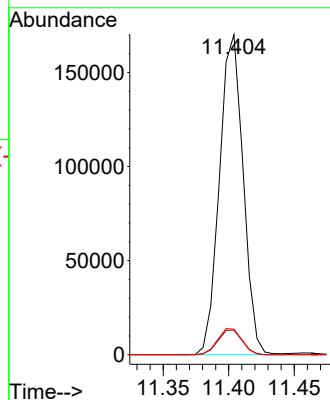
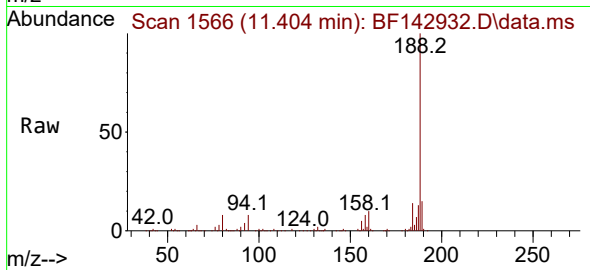




#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.404 min Scan# 1
Delta R.T. -0.006 min
Lab File: BF142932.D
Acq: 30 Jun 2025 23:45

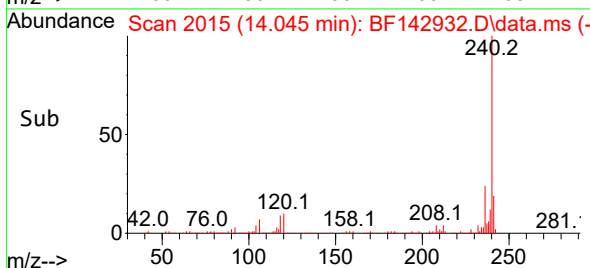
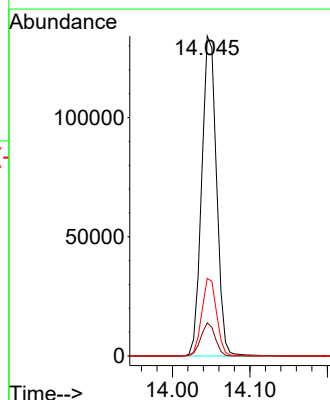
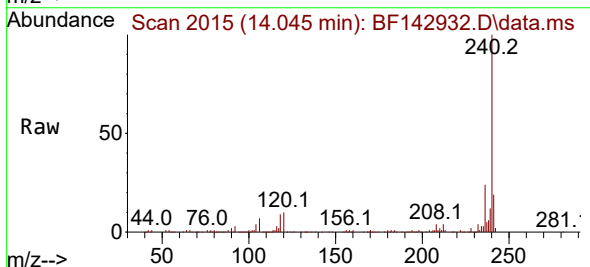
Instrument :
BNA_F
ClientSampleId :
TP-69

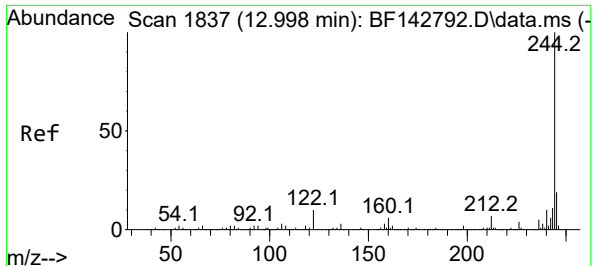
Tgt Ion:188 Resp: 213538
Ion Ratio Lower Upper
188 100
94 7.7 6.7 10.1
80 8.0 6.9 10.3



#76
Chrysene-d12
Concen: 20.000 ng
RT: 14.045 min Scan# 2015
Delta R.T. -0.012 min
Lab File: BF142932.D
Acq: 30 Jun 2025 23:45

Tgt Ion:240 Resp: 178308
Ion Ratio Lower Upper
240 100
120 10.3 8.2 12.2
236 24.2 19.8 29.8





#79

Terphenyl-d14

Concen: 30.008 ng

RT: 12.986 min Scan# 1835

Delta R.T. -0.012 min

Lab File: BF142932.D

Acq: 30 Jun 2025 23:45

Instrument :

BNA_F

ClientSampleId :

TP-69

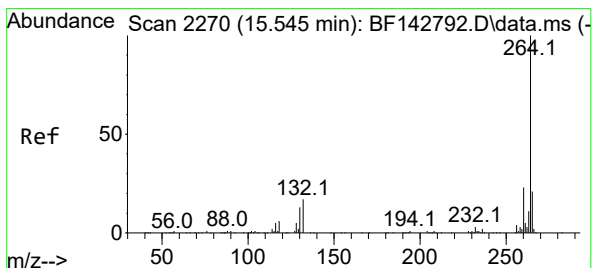
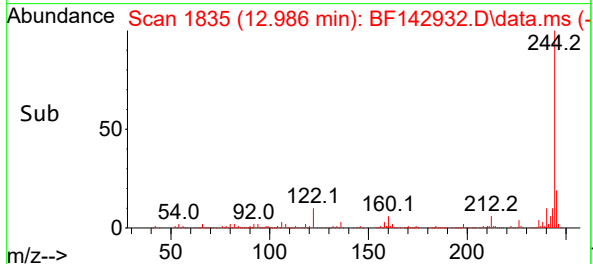
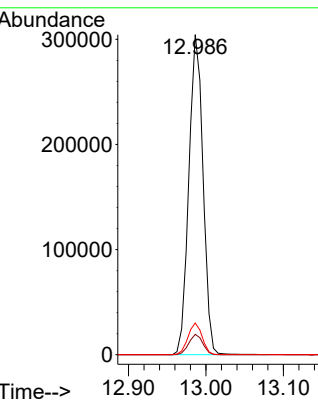
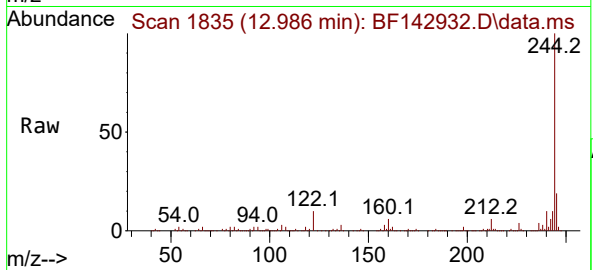
Tgt Ion:244 Resp: 387256

Ion Ratio Lower Upper

244 100

212 6.4 5.4 8.0

122 9.9 8.2 12.2



#86

Perylene-d12

Concen: 20.000 ng

RT: 15.539 min Scan# 2269

Delta R.T. -0.006 min

Lab File: BF142932.D

Acq: 30 Jun 2025 23:45

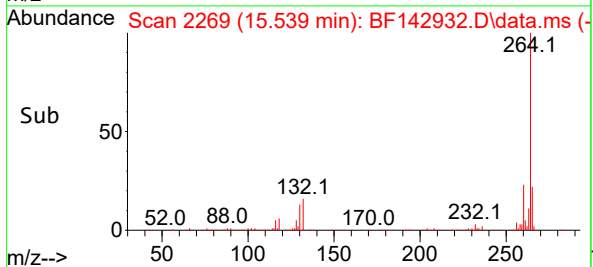
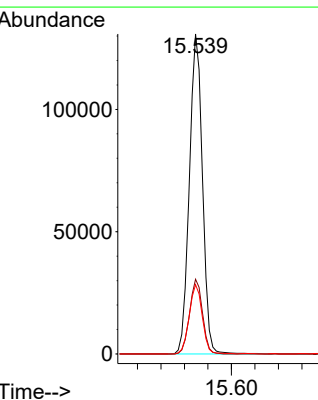
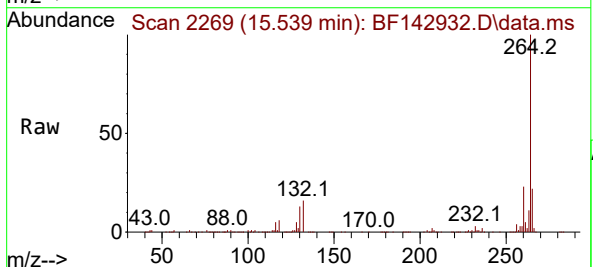
Tgt Ion:264 Resp: 202825

Ion Ratio Lower Upper

264 100

260 23.3 18.1 27.1

265 21.6 16.6 25.0



Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF063025\
 Data File : BF142932.D
 Acq On : 30 Jun 2025 23:45
 Operator : RC/JU
 Sample : Q2436-02
 Misc :
 ALS Vial : 18 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 TP-69

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-BF061925.M

Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

Signal : TIC: BF142932.D\data.ms

peak #	R.T. min	first scan	max scan	last scan	PK TY	peak height	corr. area	corr. % max.	% of total
1	5.087	483	492	505	rBV	84279	126184	9.34%	1.282%
2	5.493	555	561	579	rBV	921122	1199762	88.76%	12.187%
3	6.504	727	733	745	rBV	861602	1175061	86.93%	11.936%
4	6.875	791	796	801	rBV	375768	478286	35.38%	4.859%
5	7.434	885	891	896	rBV	585241	740318	54.77%	7.520%
6	8.157	1009	1014	1019	rBV	480374	585115	43.29%	5.944%
7	9.233	1190	1197	1202	rBV	1070809	1351676	100.00%	13.731%
8	9.910	1307	1312	1318	rBV	461132	591478	43.76%	6.008%
9	10.216	1357	1364	1367	rBV2	10897	15198	1.12%	0.154%
10	10.628	1428	1434	1439	rBV	64310	82575	6.11%	0.839%
11	10.704	1442	1447	1462	rVV	567730	721912	53.41%	7.333%
12	11.404	1561	1566	1573	rBV	401718	509784	37.71%	5.178%
13	11.922	1649	1654	1658	rBV2	33448	48792	3.61%	0.496%
14	12.851	1806	1812	1821	rBV	15639	25734	1.90%	0.261%
15	12.986	1830	1835	1840	rBV	791786	996937	73.76%	10.127%
16	13.521	1922	1926	1929	rBV	11566	14792	1.09%	0.150%
17	13.886	1983	1988	2004	rBV	37564	73120	5.41%	0.743%
18	14.045	2007	2015	2024	rVB	356637	480635	35.56%	4.882%
19	14.139	2026	2031	2037	rBV	48861	65373	4.84%	0.664%
20	14.510	2089	2094	2108	rBV6	9235	28797	2.13%	0.293%
21	15.539	2262	2269	2278	rBV	343908	532740	39.41%	5.412%

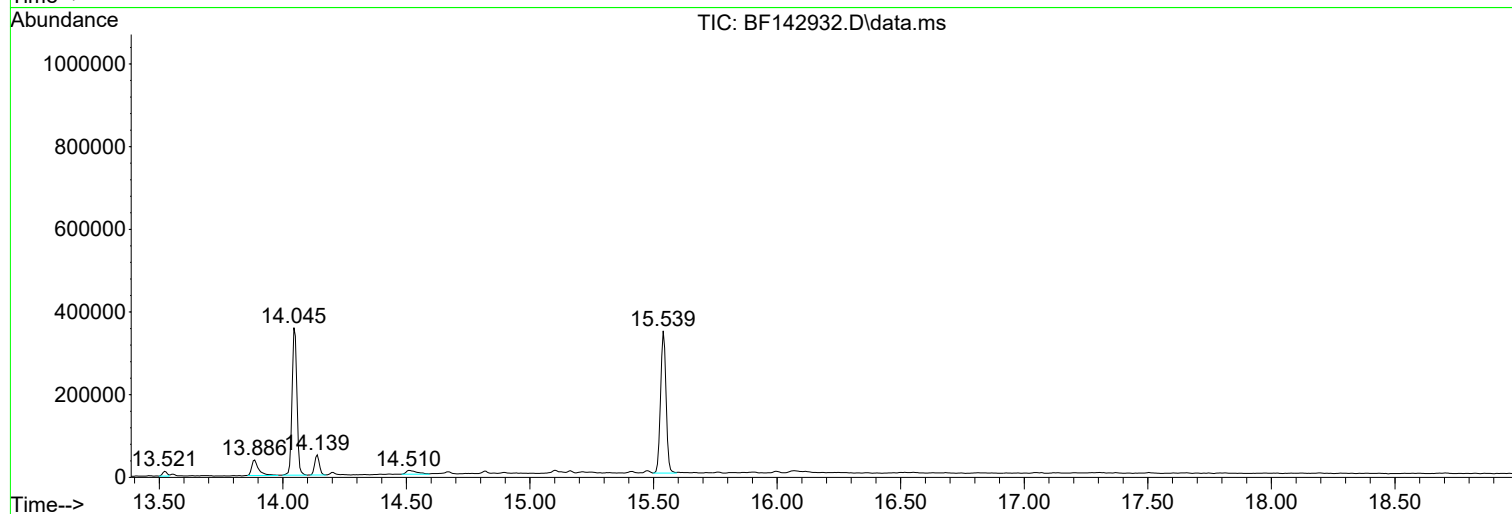
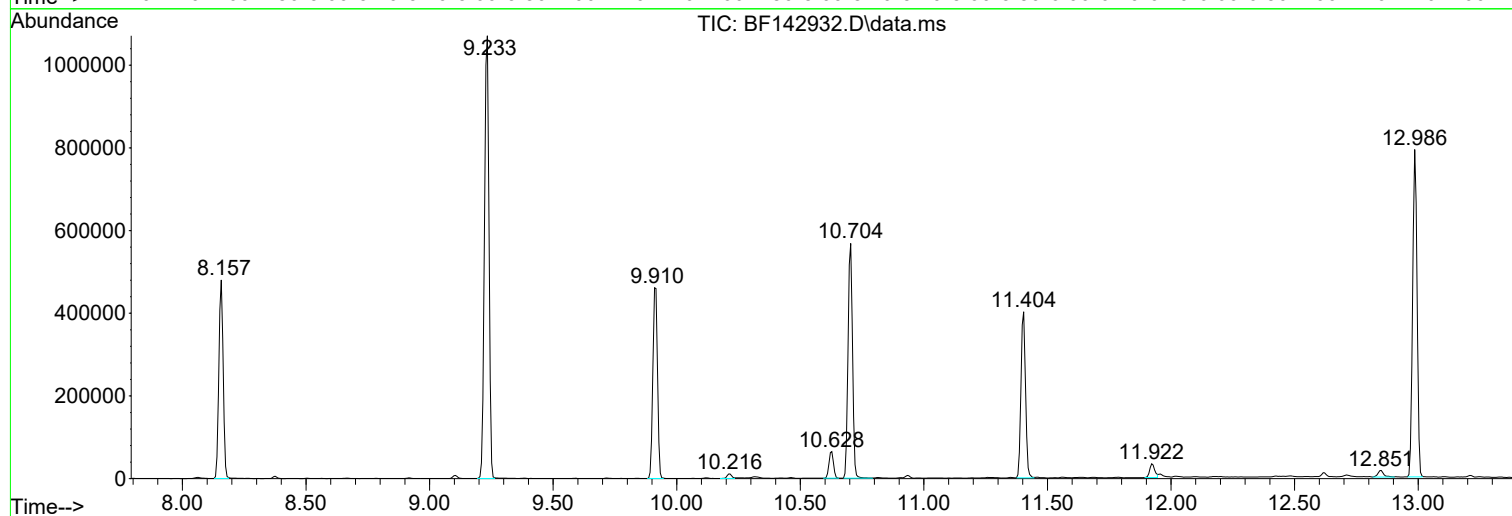
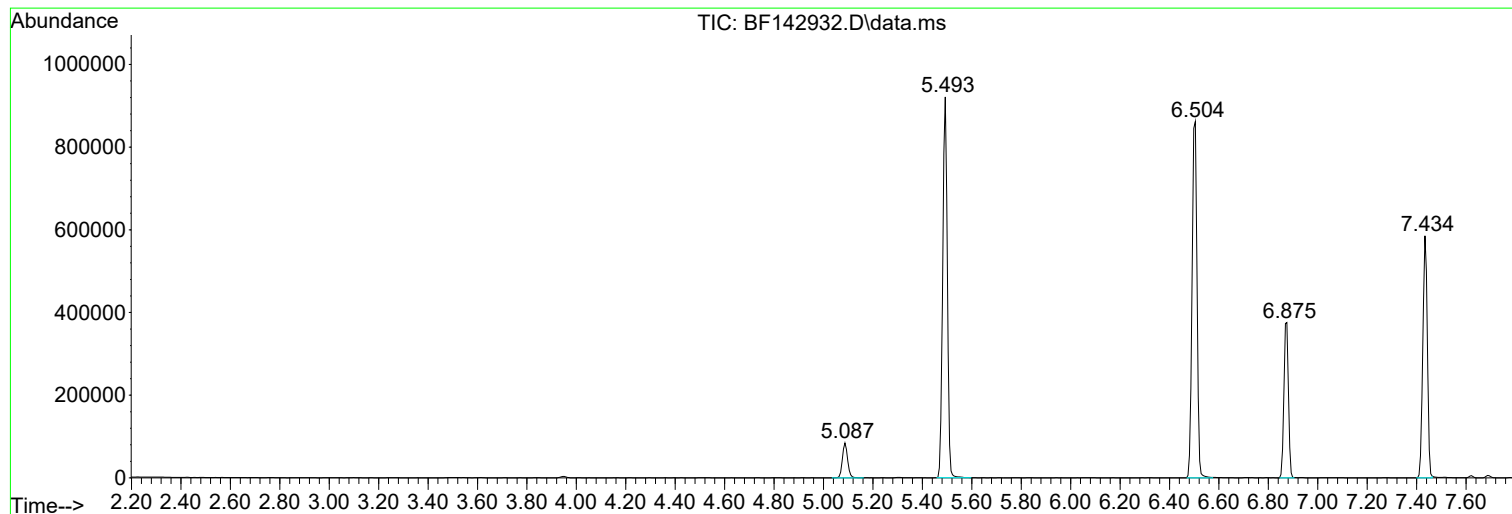
Sum of corrected areas: 9844269

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF063025\
Data File : BF142932.D
Acq On : 30 Jun 2025 23:45
Operator : RC/JU
Sample : Q2436-02
Misc :
ALS Vial : 18 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
TP-69

Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF061925.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\BF063025\
Data File : BF142932.D
Acq On : 30 Jun 2025 23:45
Operator : RC/JU
Sample : Q2436-02
Misc :
ALS Vial : 18 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
TP-69

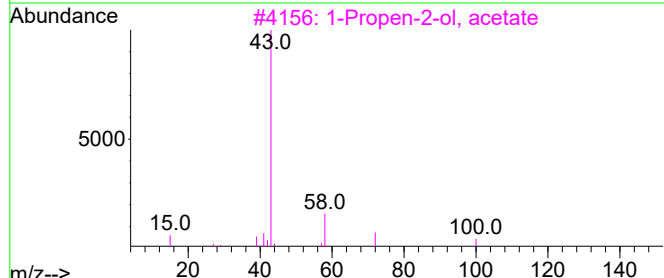
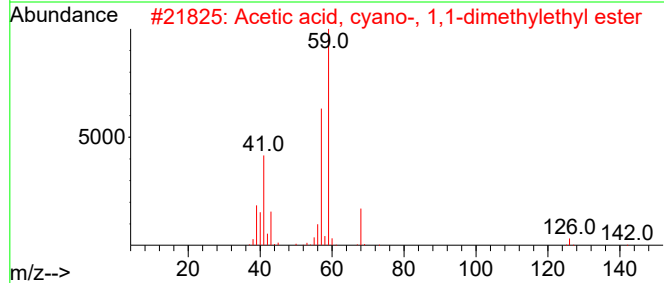
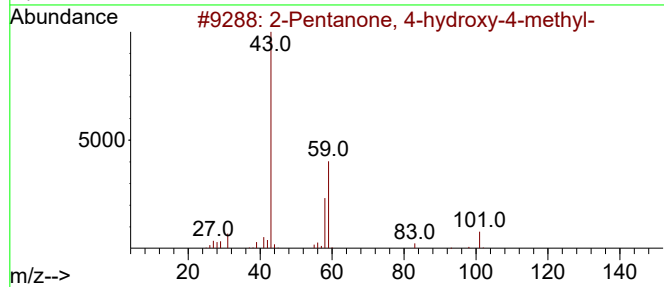
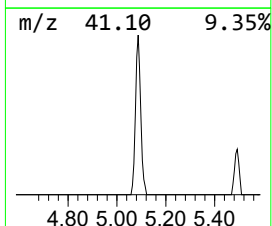
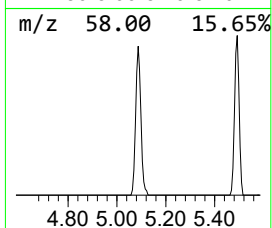
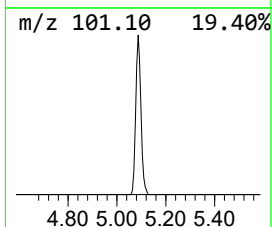
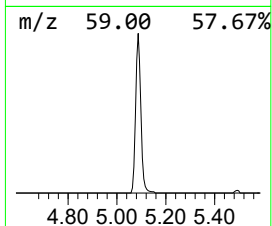
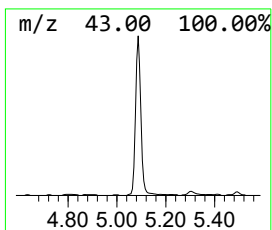
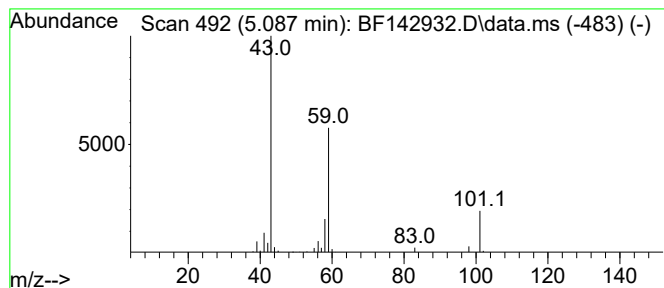
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF061925.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

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

R.T.	EstConc	Area	Relative to ISTD	R.T.
5.087	5.28 ng	126184	1,4-Dichlorobenzene-d4	6.875

Hit#	of	5	Tentative ID	MW	MolForm	CAS#	Qual
1	2-Pentanone, 4-hydroxy-4-methyl-	116	C6H12O2	000123-42-2	40		
2	Acetic acid, cyano-, 1,1-dimethy...	141	C7H11NO2	001116-98-9	17		
3	1-Propen-2-ol, acetate	100	C5H8O2	000108-22-5	10		
4	Morpholine, 4-methyl-	101	C5H11NO	000109-02-4	9		
5	2,3-Butanedione, monooxime	101	C4H7NO2	000057-71-6	9		



Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF063025\
Data File : BF142932.D
Acq On : 30 Jun 2025 23:45
Operator : RC/JU
Sample : Q2436-02
Misc :
ALS Vial : 18 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
TP-69

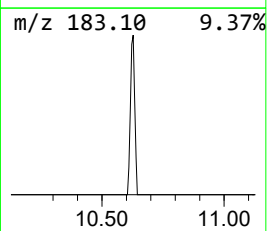
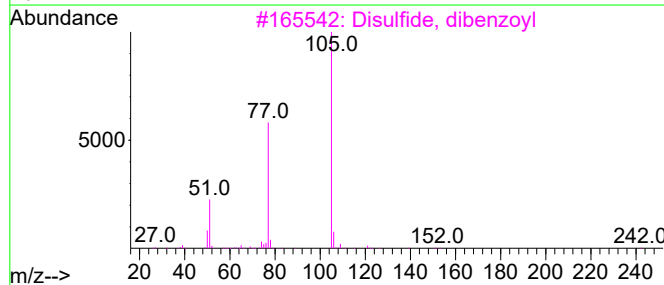
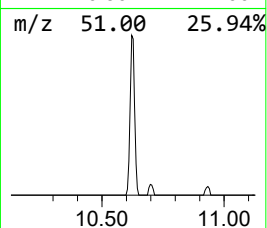
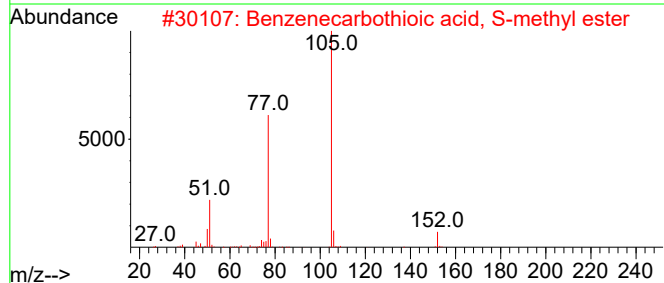
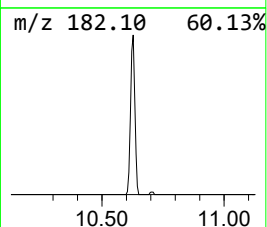
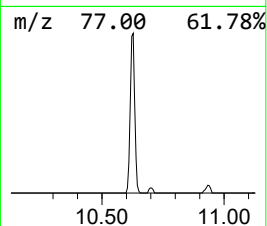
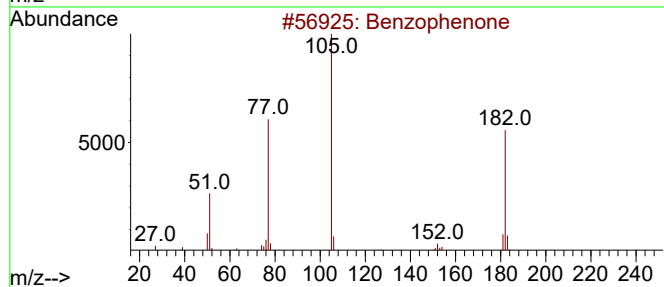
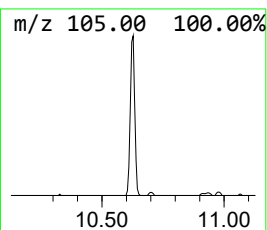
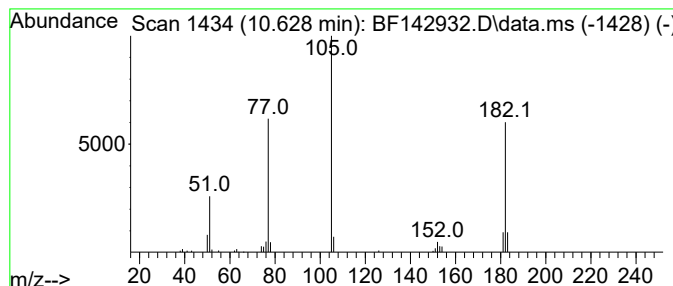
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF061925.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 2 Benzophenone Concentration Rank 3

R.T.	EstConc	Area	Relative to ISTD	R.T.
10.628	2.79 ng	82575	Acenaphthene-d10	9.916

Hit#	of	5	Tentative ID	MW	MolForm	CAS#	Qual
1			Benzophenone	182	C13H10O	000119-61-9	96
2			Benzenecarbothioic acid, S-methy...	152	C8H8OS	005925-68-8	46
3			Disulfide, dibenzoyl	274	C14H10O2S2	000644-32-6	43
4			N-(1-Cyanovinyl)benzamide	172	C10H8N2O	1000186-19-1	43
5			.alpha.,.alpha.-Dichloroacetophe...	188	C8H6Cl2O	002648-61-5	43



Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF063025\
Data File : BF142932.D
Acq On : 30 Jun 2025 23:45
Operator : RC/JU
Sample : Q2436-02
Misc :
ALS Vial : 18 Sample Multiplier: 1

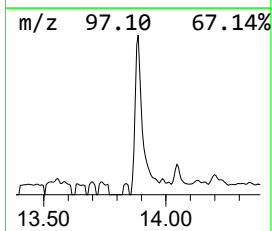
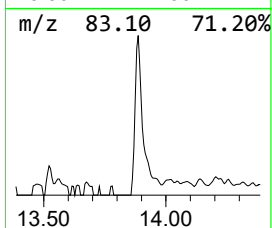
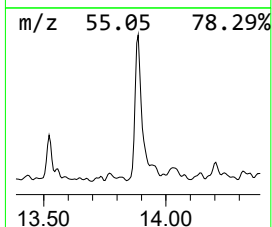
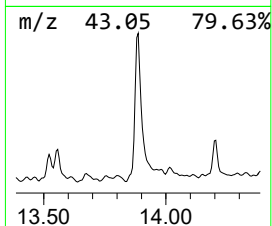
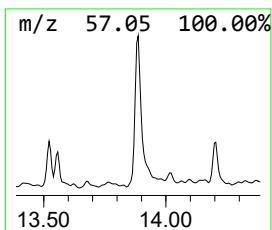
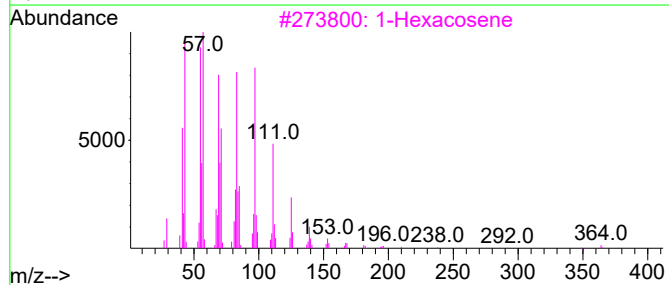
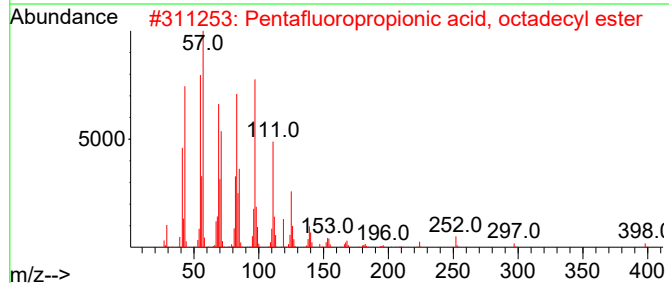
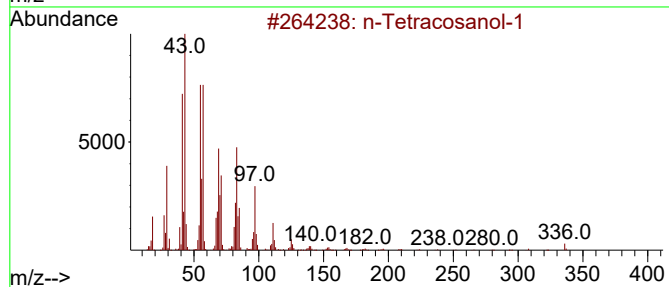
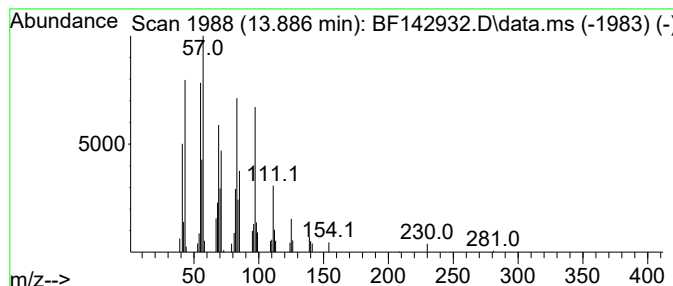
Instrument :
BNA_F
ClientSampleId :
TP-69

Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF061925.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 3 n-Tetracosanol-1 Concentration Rank 2

R.T.	EstConc	Area	Relative to ISTD	R.T.	
13.886	3.04 ng	73120	Chrysene-d12	14.045	
Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	n-Tetracosanol-1	354	C24H50O	000506-51-4	91
2	Pentafluoropropionic acid, octadecyl ester	416	C21H37F5O2	959261-25-7	91
3	1-Hexacosene	364	C26H52	018835-33-1	91
4	Pentafluoropropionic acid, hexadecyl ester	388	C19H33F5O2	006222-07-7	91
5	Heptadecyl trifluoroacetate	352	C19H35F3O2	1010351-87-0	91



Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF063025\
Data File : BF142932.D
Acq On : 30 Jun 2025 23:45
Operator : RC/JU
Sample : Q2436-02
Misc :
ALS Vial : 18 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
TP-69

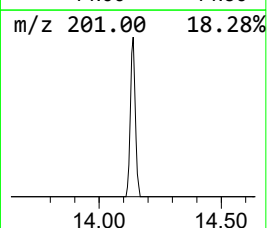
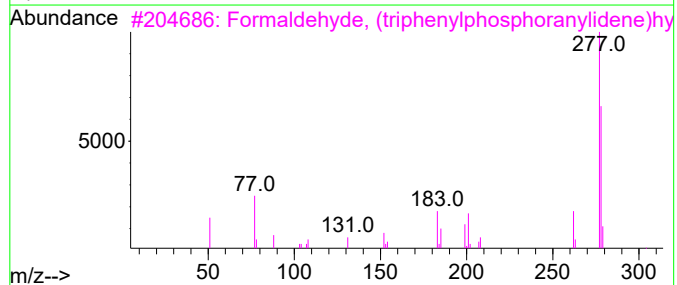
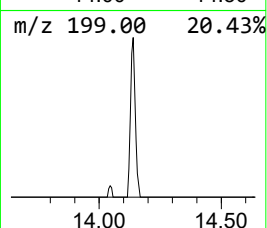
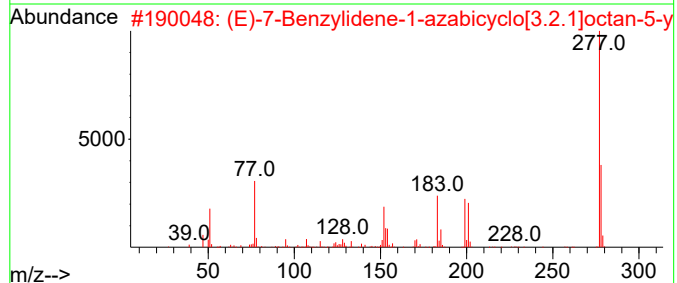
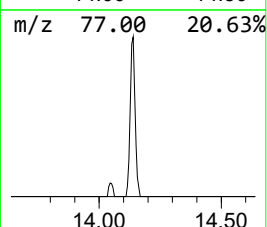
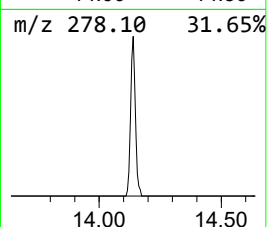
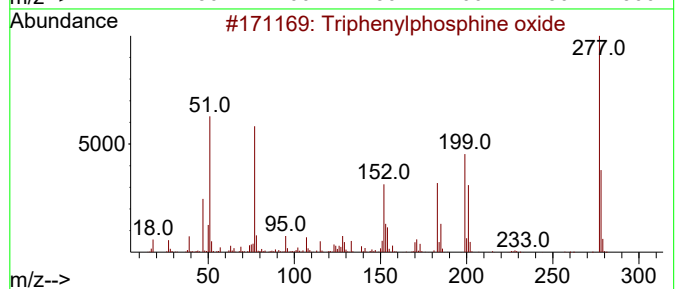
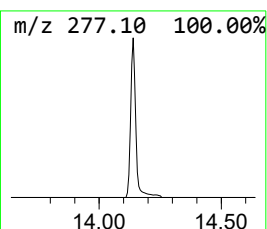
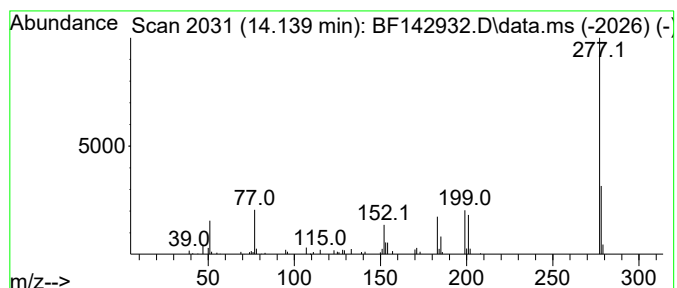
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF061925.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 4 Triphenylphosphine oxide Concentration Rank 4

R.T.	EstConc	Area	Relative to ISTD	R.T.
14.139	2.72 ng	65373	Chrysene-d12	14.045

Hit#	of	5	Tentative ID	MW	MolForm	CAS#	Qual
1			Triphenylphosphine oxide	278	C18H15OP	000791-28-6	93
2			(E)-7-Benzylidene-1-azabicyclo[3...	293	C15H19N03S	1000483-83-4	91
3			Formaldehyde, (triphenylphosphor...	304	C19H17N2P	015990-54-2	59
4			Vanadium, cycloheptatrienyl-(pen...	277	C17H22V	1000155-20-5	47
5			Cobalt,(.eta.<5>-2,4-cyclopentad...	277	C16H15BCo	036682-12-9	38



Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF063025\
Data File : BF142932.D
Acq On : 30 Jun 2025 23:45
Operator : RC/JU
Sample : Q2436-02
Misc :
ALS Vial : 18 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
TP-69

Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF061925.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

TIC Top Hit name	RT	EstConc	Units	Response	--Internal Standard--			
					#	RT	Resp	Conc
2-Pentanone, 4-...	5.087	5.3	ng	126184	1	6.875	478286	20.0
Benzophenone	10.628	2.8	ng	82575	3	9.916	591478	20.0
n-Tetracosanol-1	13.886	3.0	ng	73120	5	14.045	480635	20.0
Triphenylphosph...	14.139	2.7	ng	65373	5	14.045	480635	20.0

Report of Analysis

Client:	CDM Smith	Date Collected:	06/25/25
Project:	South River WM Replacement	Date Received:	06/26/25
Client Sample ID:	TP-85	SDG No.:	Q2436
Lab Sample ID:	Q2436-03	Matrix:	SOIL
Analytical Method:	8270E	% Solid:	85.1
Sample Wt/Vol:	30.04 Units: g	Final Vol:	1000 uL
Soil Aliquot Vol:	uL	Test:	SVOC-TCL BNA -20
Extraction Type :	Decanted : N	Level :	LOW
Injection Volume :	GPC Factor : 1.0	GPC Cleanup :	N PH :
Prep Method :	SW3541		

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
BF142933.D	1	06/27/25 11:20	07/01/25 00:15	PB168649

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units(Dry Weight)
TARGETS						
100-52-7	Benzaldehyde	180	U	180	390	ug/Kg
108-95-2	Phenol	25.9	U	25.9	200	ug/Kg
111-44-4	bis(2-Chloroethyl)ether	28.5	U	28.5	200	ug/Kg
95-57-8	2-Chlorophenol	28.6	U	28.6	200	ug/Kg
95-48-7	2-Methylphenol	35.1	U	35.1	200	ug/Kg
108-60-1	2,2-oxybis(1-Chloropropane)	44.0	U	44.0	200	ug/Kg
98-86-2	Acetophenone	34.6	U	34.6	200	ug/Kg
65794-96-9	3+4-Methylphenols	48.2	U	48.2	390	ug/Kg
621-64-7	n-Nitroso-di-n-propylamine	55.6	U	55.6	93.9	ug/Kg
67-72-1	Hexachloroethane	20.7	U	20.7	200	ug/Kg
98-95-3	Nitrobenzene	21.5	U	21.5	200	ug/Kg
78-59-1	Isophorone	38.5	U	38.5	200	ug/Kg
88-75-5	2-Nitrophenol	68.3	U	68.3	200	ug/Kg
105-67-9	2,4-Dimethylphenol	76.0	U	76.0	200	ug/Kg
111-91-1	bis(2-Chloroethoxy)methane	36.1	U	36.1	200	ug/Kg
120-83-2	2,4-Dichlorophenol	33.2	U	33.2	200	ug/Kg
91-20-3	Naphthalene	26.6	U	26.6	200	ug/Kg
106-47-8	4-Chloroaniline	41.5	U	41.5	200	ug/Kg
87-68-3	Hexachlorobutadiene	29.7	U	29.7	200	ug/Kg
105-60-2	Caprolactam	61.1	U	61.1	390	ug/Kg
59-50-7	4-Chloro-3-methylphenol	33.7	U	33.7	200	ug/Kg
91-57-6	2-Methylnaphthalene	30.0	U	30.0	200	ug/Kg
77-47-4	Hexachlorocyclopentadiene	140	U	140	390	ug/Kg
88-06-2	2,4,6-Trichlorophenol	23.2	U	23.2	200	ug/Kg
95-95-4	2,4,5-Trichlorophenol	34.1	U	34.1	200	ug/Kg
92-52-4	1,1-Biphenyl	25.6	U	25.6	200	ug/Kg
91-58-7	2-Chloronaphthalene	26.4	U	26.4	200	ug/Kg
88-74-4	2-Nitroaniline	56.4	U	56.4	200	ug/Kg
131-11-3	Dimethylphthalate	31.8	U	31.8	200	ug/Kg

Report of Analysis

Client:	CDM Smith	Date Collected:	06/25/25
Project:	South River WM Replacement	Date Received:	06/26/25
Client Sample ID:	TP-85	SDG No.:	Q2436
Lab Sample ID:	Q2436-03	Matrix:	SOIL
Analytical Method:	8270E	% Solid:	85.1
Sample Wt/Vol:	30.04	Units:	g
Soil Aliquot Vol:			uL
Extraction Type :		Decanted :	N
Injection Volume :		GPC Factor :	1.0
Prep Method :	SW3541	Level :	LOW
		Test:	SVOC-TCL BNA -20
		GPC Cleanup :	N
		PH :	

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
BF142933.D	1	06/27/25 11:20	07/01/25 00:15	PB168649

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units(Dry Weight)
208-96-8	Acenaphthylene	33.9	U	33.9	200	ug/Kg
606-20-2	2,6-Dinitrotoluene	39.4	U	39.4	200	ug/Kg
99-09-2	3-Nitroaniline	54.0	U	54.0	200	ug/Kg
83-32-9	Acenaphthene	25.0	U	25.0	200	ug/Kg
51-28-5	2,4-Dinitrophenol	270	U	270	390	ug/Kg
100-02-7	4-Nitrophenol	130	U	130	390	ug/Kg
132-64-9	Dibenzofuran	26.6	U	26.6	200	ug/Kg
121-14-2	2,4-Dinitrotoluene	58.8	U	58.8	200	ug/Kg
84-66-2	Diethylphthalate	33.2	U	33.2	200	ug/Kg
7005-72-3	4-Chlorophenyl-phenylether	31.3	U	31.3	200	ug/Kg
86-73-7	Fluorene	29.7	U	29.7	200	ug/Kg
100-01-6	4-Nitroaniline	75.3	U	75.3	200	ug/Kg
534-52-1	4,6-Dinitro-2-methylphenol	120	U	120	390	ug/Kg
86-30-6	n-Nitrosodiphenylamine	38.6	U	38.6	200	ug/Kg
101-55-3	4-Bromophenyl-phenylether	32.6	U	32.6	200	ug/Kg
118-74-1	Hexachlorobenzene	29.7	U	29.7	200	ug/Kg
1912-24-9	Atrazine	39.9	U	39.9	200	ug/Kg
87-86-5	Pentachlorophenol	60.2	U	60.2	390	ug/Kg
85-01-8	Phenanthrene	24.5	U	24.5	200	ug/Kg
120-12-7	Anthracene	39.1	U	39.1	200	ug/Kg
86-74-8	Carbazole	36.6	U	36.6	200	ug/Kg
84-74-2	Di-n-butylphthalate	56.2	U	56.2	200	ug/Kg
206-44-0	Fluoranthene	35.2	U	35.2	200	ug/Kg
129-00-0	Pyrene	42.2	U	42.2	200	ug/Kg
85-68-7	Butylbenzylphthalate	83.8	U	83.8	200	ug/Kg
91-94-1	3,3-Dichlorobenzidine	43.1	U	43.1	390	ug/Kg
56-55-3	Benzo(a)anthracene	27.0	U	27.0	200	ug/Kg
218-01-9	Chrysene	23.4	U	23.4	200	ug/Kg
117-81-7	Bis(2-ethylhexyl)phthalate	69.5	U	69.5	200	ug/Kg
117-84-0	Di-n-octyl phthalate	100	U	100	390	ug/Kg
205-99-2	Benzo(b)fluoranthene	22.3	U	22.3	200	ug/Kg

Report of Analysis

Client:	CDM Smith	Date Collected:	06/25/25
Project:	South River WM Replacement	Date Received:	06/26/25
Client Sample ID:	TP-85	SDG No.:	Q2436
Lab Sample ID:	Q2436-03	Matrix:	SOIL
Analytical Method:	8270E	% Solid:	85.1
Sample Wt/Vol:	30.04 Units: g	Final Vol:	1000 uL
Soil Aliquot Vol:	uL	Test:	SVOC-TCL BNA -20
Extraction Type :	Decanted : N	Level :	LOW
Injection Volume :	GPC Factor : 1.0	GPC Cleanup :	N PH :
Prep Method :	SW3541		

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
BF142933.D	1	06/27/25 11:20	07/01/25 00:15	PB168649

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units(Dry Weight)
207-08-9	Benzo(k)fluoranthene	26.3	U	26.3	200	ug/Kg
50-32-8	Benzo(a)pyrene	34.6	U	34.6	200	ug/Kg
193-39-5	Indeno(1,2,3-cd)pyrene	34.1	U	34.1	200	ug/Kg
53-70-3	Dibenzo(a,h)anthracene	32.2	U	32.2	200	ug/Kg
191-24-2	Benzo(g,h,i)perylene	30.2	U	30.2	200	ug/Kg
95-94-3	1,2,4,5-Tetrachlorobenzene	30.0	U	30.0	200	ug/Kg
123-91-1	1,4-Dioxane	53.0	U	53.0	200	ug/Kg
58-90-2	2,3,4,6-Tetrachlorophenol	32.2	U	32.2	200	ug/Kg

SURROGATES

367-12-4	2-Fluorophenol	83.3		18 - 112	56%	SPK: 150
13127-88-3	Phenol-d6	82.6		15 - 107	55%	SPK: 150
4165-60-0	Nitrobenzene-d5	55.3		18 - 107	55%	SPK: 100
321-60-8	2-Fluorobiphenyl	53.1		20 - 109	53%	SPK: 100
118-79-6	2,4,6-Tribromophenol	76.1		10 - 116	51%	SPK: 150
1718-51-0	Terphenyl-d14	34.5		10 - 105	34%	SPK: 100

INTERNAL STANDARDS

3855-82-1	1,4-Dichlorobenzene-d4	65100	6.875
1146-65-2	Naphthalene-d8	229000	8.157
15067-26-2	Acenaphthene-d10	111000	9.91
1517-22-2	Phenanthrene-d10	164000	11.404
1719-03-5	Chrysene-d12	141000	14.045
1520-96-3	Perylene-d12	150000	15.539

TENTATIVE IDENTIFIED COMPOUNDS

000123-42-2	2-Pentanone, 4-hydroxy-4-methyl-	310	AB	5.09	ug/Kg
000119-61-9	Benzophenone	130	J	10.6	ug/Kg
000057-10-3	n-Hexadecanoic acid	89.6	J	11.9	ug/Kg
1000351-75-1	Tricosyl trifluoroacetate	150	J	13.9	ug/Kg
000791-28-6	Triphenylphosphine oxide	140	J	14.1	ug/Kg

Report of Analysis

Client:	CDM Smith	Date Collected:	06/25/25
Project:	South River WM Replacement	Date Received:	06/26/25
Client Sample ID:	TP-85	SDG No.:	Q2436
Lab Sample ID:	Q2436-03	Matrix:	SOIL
Analytical Method:	8270E	% Solid:	85.1
Sample Wt/Vol:	30.04 Units: g	Final Vol:	1000 uL
Soil Aliquot Vol:	uL	Test:	SVOC-TCL BNA -20
Extraction Type :	Decanted : N	Level :	LOW
Injection Volume :	GPC Factor : 1.0	GPC Cleanup :	N PH :
Prep Method :	SW3541		

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
BF142933.D	1	06/27/25 11:20	07/01/25 00:15	PB168649

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\BF063025\
Data File : BF142933.D
Acq On : 01 Jul 2025 00:15
Operator : RC/JU
Sample : Q2436-03
Misc :
ALS Vial : 19 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
TP-85

Quant Time: Jul 01 03:00:57 2025
Quant Title :
QLast Update : Tue Jun 24 05:28:21 2025
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) 1,4-Dichlorobenzene-d4	6.875	152	65146	20.000	ng	0.00
21) Naphthalene-d8	8.157	136	228866	20.000	ng	-0.01
39) Acenaphthene-d10	9.910	164	111359	20.000	ng	-0.01
64) Phenanthrene-d10	11.404	188	163727	20.000	ng	0.00
76) Chrysene-d12	14.045	240	141022	20.000	ng	-0.01
86) Perylene-d12	15.539	264	150265	20.000	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.492	112	325764	83.255	ng	0.00
7) Phenol-d6	6.504	99	381167	82.568	ng	0.00
23) Nitrobenzene-d5	7.434	82	230822	55.320	ng	-0.01
42) 2,4,6-Tribromophenol	10.704	330	87176	76.072	ng	-0.01
45) 2-Fluorobiphenyl	9.233	172	450378	53.130	ng	-0.01
79) Terphenyl-d14	12.986	244	352085	34.496	ng	-0.01

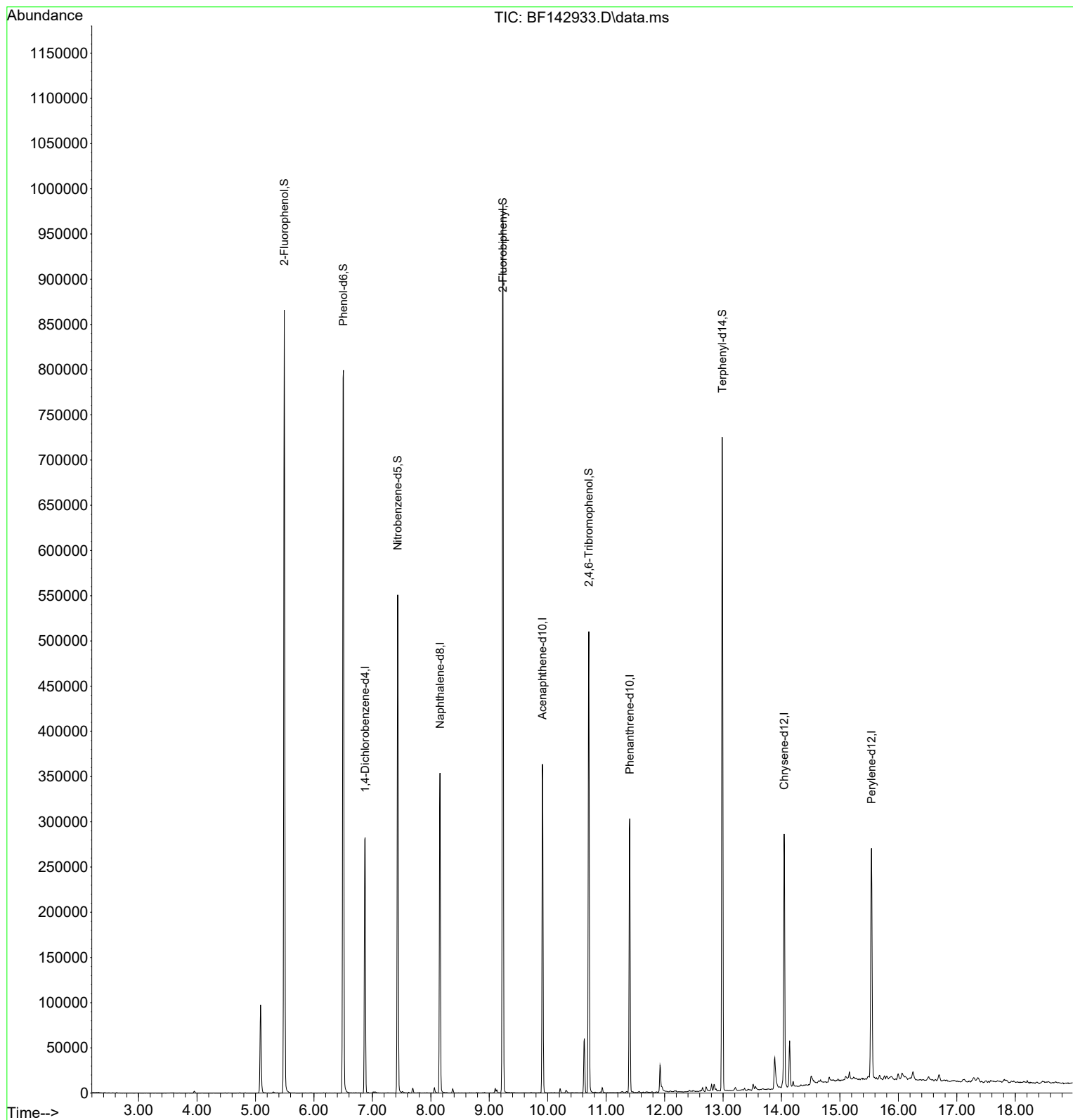
Target Compounds	Qvalue

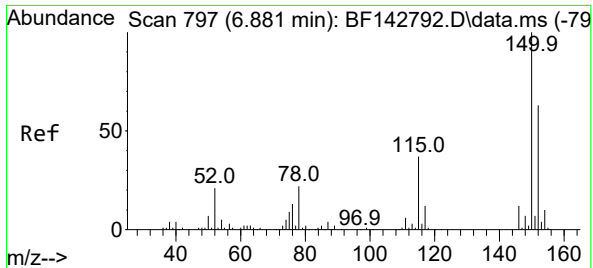
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF063025\
Data File : BF142933.D
Acq On : 01 Jul 2025 00:15
Operator : RC/JU
Sample : Q2436-03
Misc :
ALS Vial : 19 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
TP-85

Quant Time: Jul 01 03:00:57 2025
Quant Title :
QLast Update : Tue Jun 24 05:28:21 2025
Response via : Initial Calibration

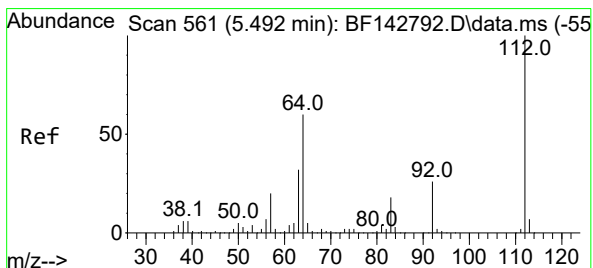
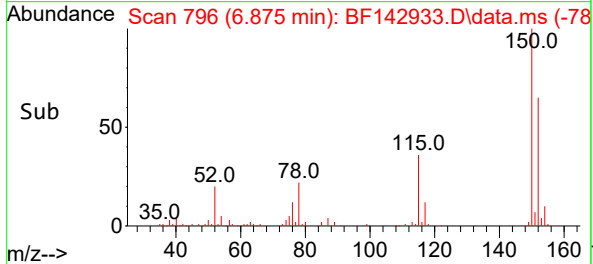
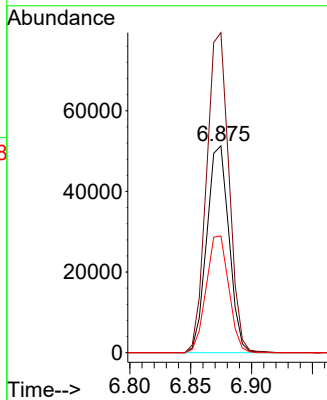
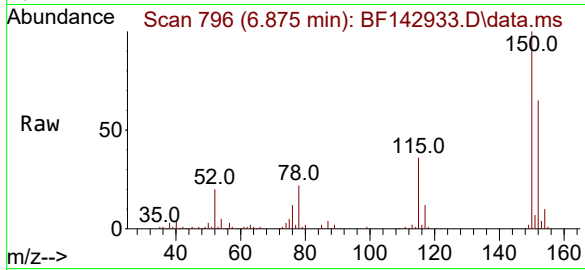




#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.875 min Scan# 797
Delta R.T. -0.006 min
Lab File: BF142933.D
Acq: 01 Jul 2025 00:15

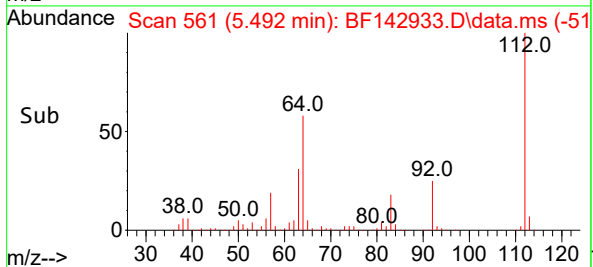
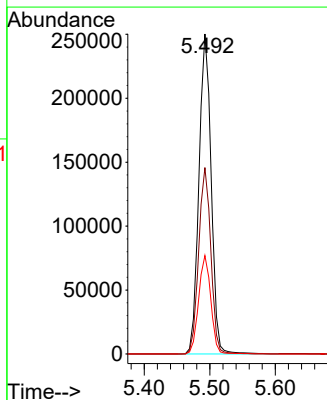
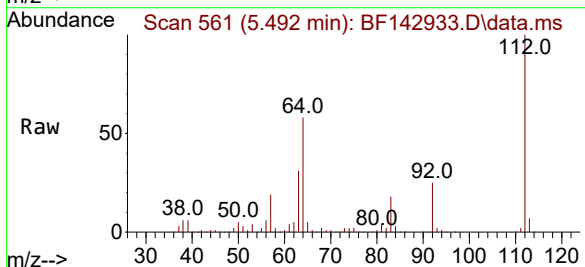
Instrument :
BNA_F
ClientSampleId :
TP-85

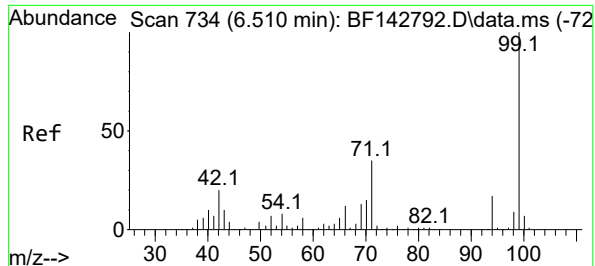
Tgt Ion:152 Resp: 65146
Ion Ratio Lower Upper
152 100
150 154.7 127.2 190.8
115 56.4 46.6 69.8



#5
2-Fluorophenol
Concen: 83.255 ng
RT: 5.492 min Scan# 561
Delta R.T. 0.000 min
Lab File: BF142933.D
Acq: 01 Jul 2025 00:15

Tgt Ion:112 Resp: 325764
Ion Ratio Lower Upper
112 100
64 58.3 48.2 72.2
63 30.8 25.7 38.5

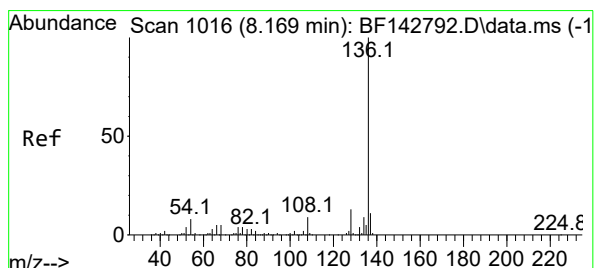
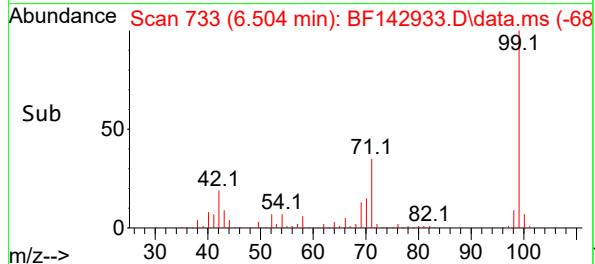
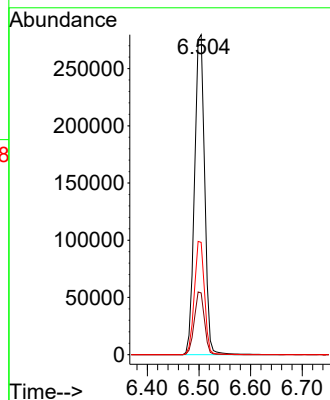
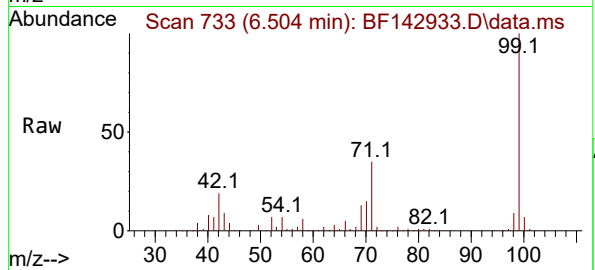




#7
Phenol-d6
Concen: 82.568 ng
RT: 6.504 min Scan# 71
Delta R.T. -0.006 min
Lab File: BF142933.D
Acq: 01 Jul 2025 00:15

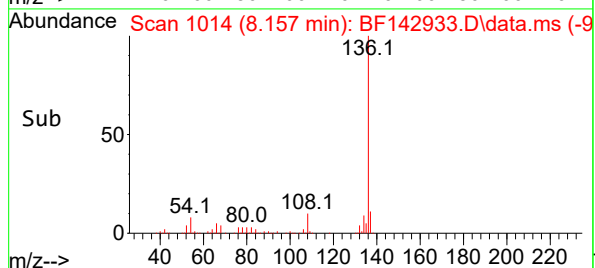
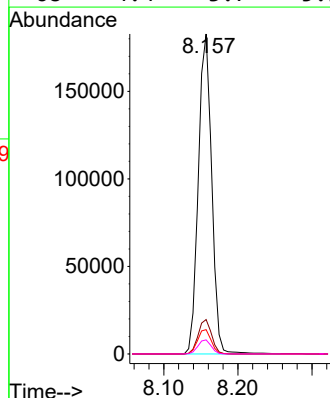
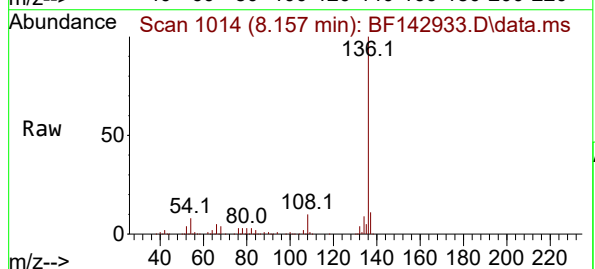
Instrument :
BNA_F
ClientSampleId :
TP-85

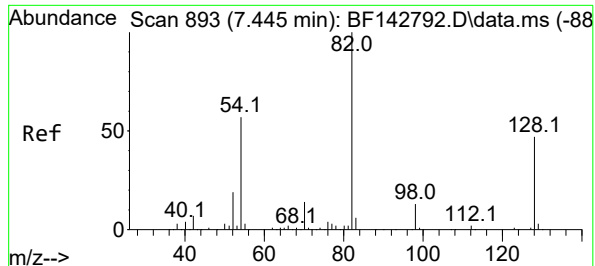
Tgt Ion: 99 Resp: 381167
Ion Ratio Lower Upper
99 100
42 19.3 15.9 23.9
71 35.1 27.8 41.8



#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.157 min Scan# 1014
Delta R.T. -0.012 min
Lab File: BF142933.D
Acq: 01 Jul 2025 00:15

Tgt Ion: 136 Resp: 228866
Ion Ratio Lower Upper
136 100
137 10.8 8.4 12.6
54 7.6 6.3 9.5
68 4.4 3.7 5.5





#23

Nitrobenzene-d5

Concen: 55.320 ng

RT: 7.434 min Scan# 89

Delta R.T. -0.011 min

Lab File: BF142933.D

Acq: 01 Jul 2025 00:15

Instrument :

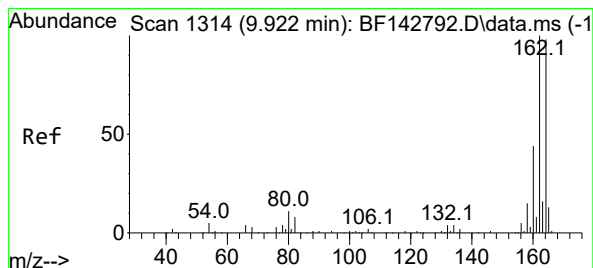
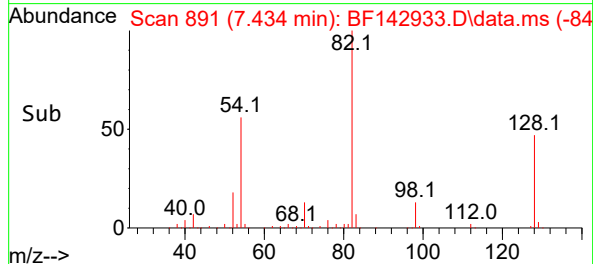
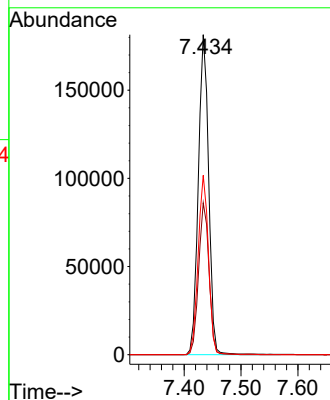
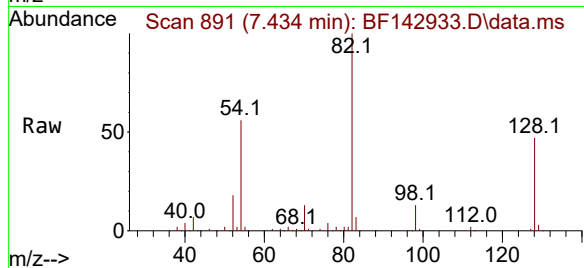
BNA_F

ClientSampleId :

TP-85

Tgt Ion: 82 Resp: 230822

Ion	Ratio	Lower	Upper
82	100		
128	47.5	37.7	56.5
54	56.0	45.7	68.5



#39

Acenaphthene-d10

Concen: 20.000 ng

RT: 9.910 min Scan# 1312

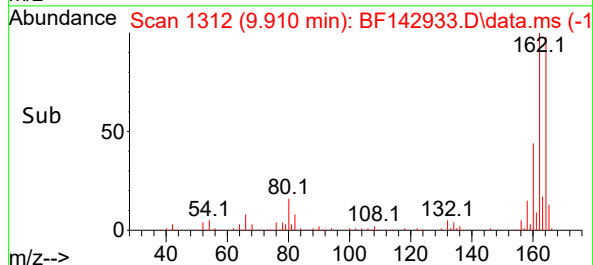
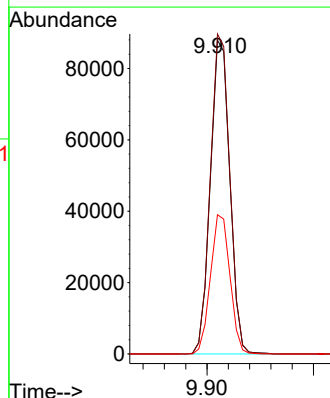
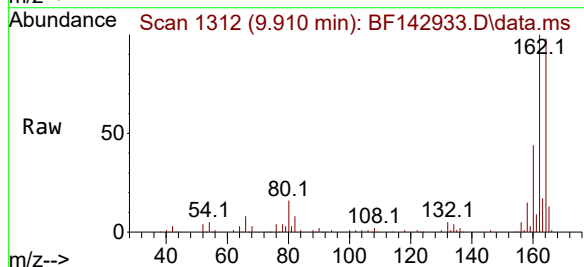
Delta R.T. -0.012 min

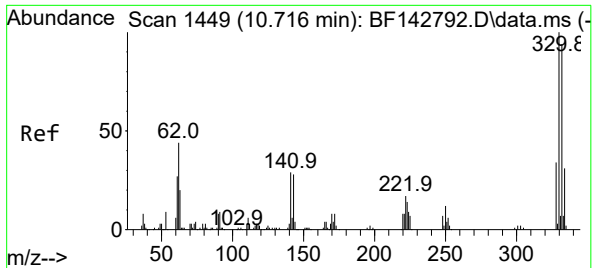
Lab File: BF142933.D

Acq: 01 Jul 2025 00:15

Tgt Ion: 164 Resp: 111359

Ion	Ratio	Lower	Upper
164	100		
162	102.0	81.8	122.8
160	44.4	36.0	54.0





#42

2,4,6-Tribromophenol

Concen: 76.072 ng

RT: 10.704 min Scan# 1447

Delta R.T. -0.012 min

Lab File: BF142933.D

Acq: 01 Jul 2025 00:15

Instrument :

BNA_F

ClientSampleId :

TP-85

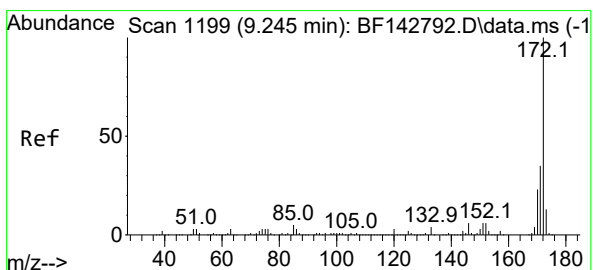
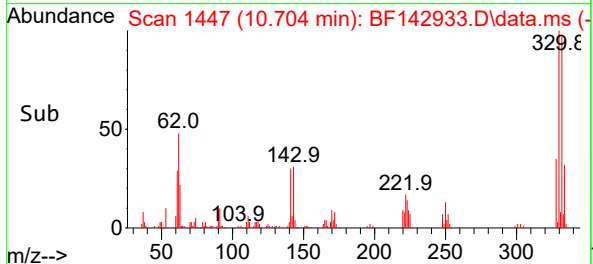
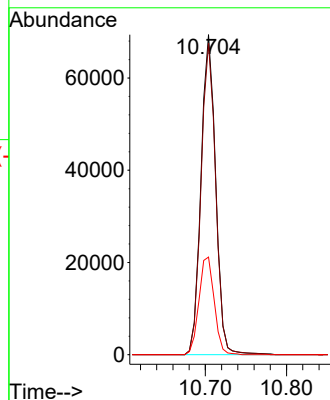
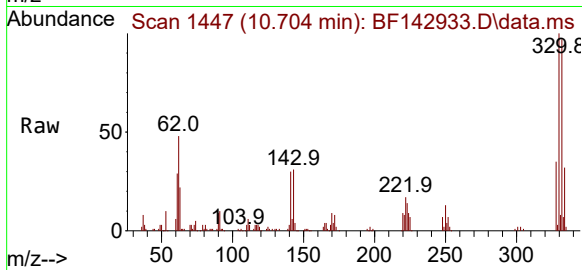
Tgt Ion:330 Resp: 87176

Ion Ratio Lower Upper

330 100

332 97.0 75.0 112.6

141 31.8 25.3 37.9



#45

2-Fluorobiphenyl

Concen: 53.130 ng

RT: 9.233 min Scan# 1197

Delta R.T. -0.012 min

Lab File: BF142933.D

Acq: 01 Jul 2025 00:15

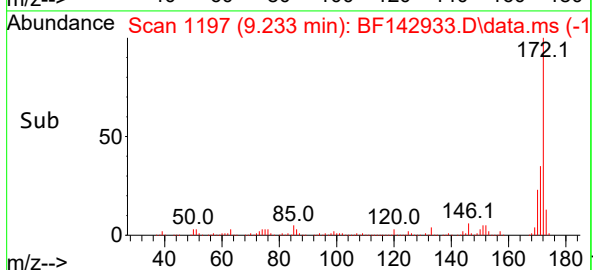
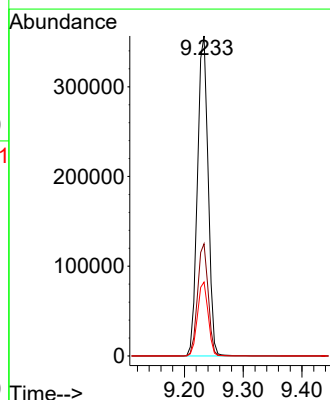
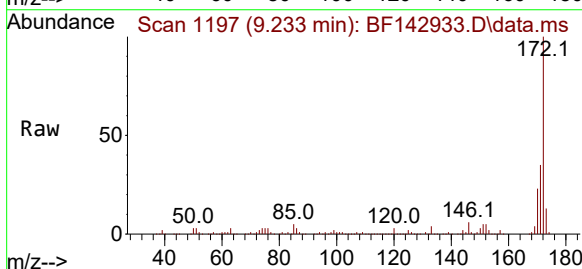
Tgt Ion:172 Resp: 450378

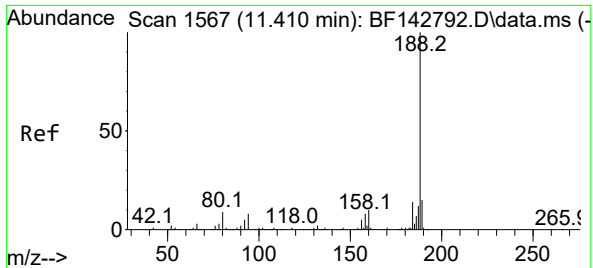
Ion Ratio Lower Upper

172 100

171 35.1 28.2 42.4

170 23.1 18.5 27.7

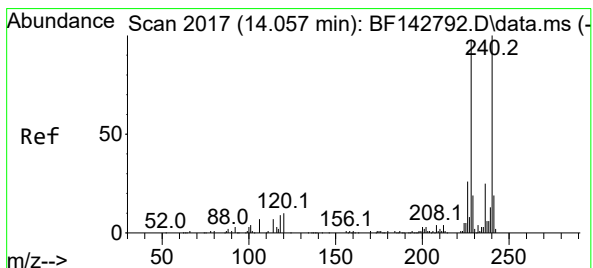
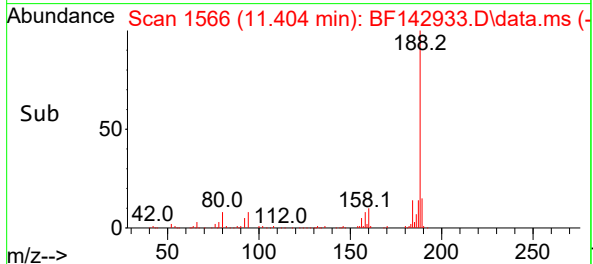
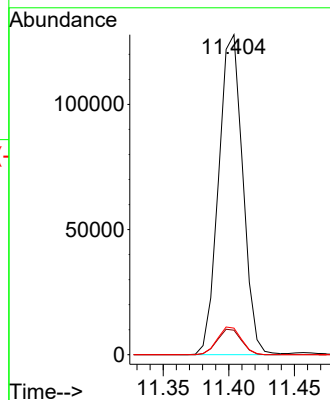
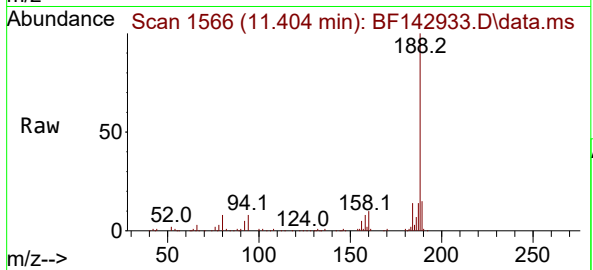




#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.404 min Scan# 1
Delta R.T. -0.006 min
Lab File: BF142933.D
Acq: 01 Jul 2025 00:15

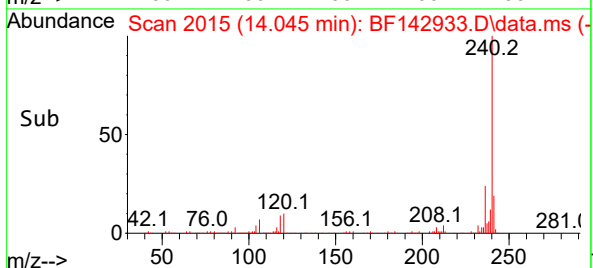
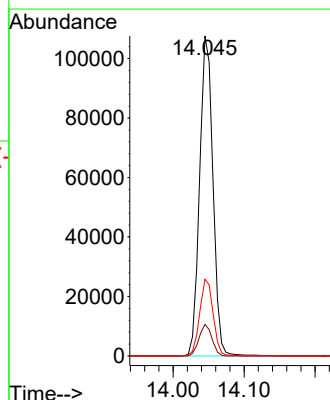
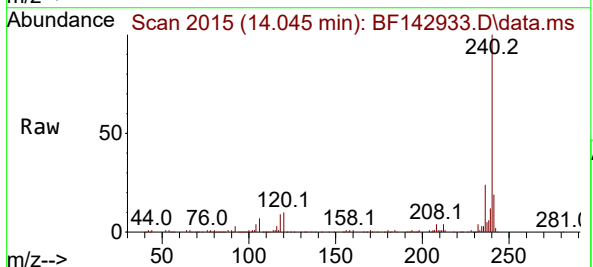
Instrument :
BNA_F
ClientSampleId :
TP-85

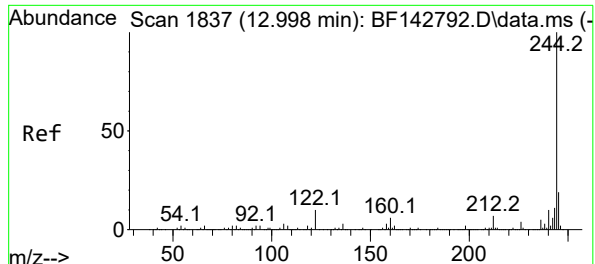
Tgt Ion:188 Resp: 163727
Ion Ratio Lower Upper
188 100
94 7.7 6.7 10.1
80 8.3 6.9 10.3



#76
Chrysene-d12
Concen: 20.000 ng
RT: 14.045 min Scan# 2015
Delta R.T. -0.012 min
Lab File: BF142933.D
Acq: 01 Jul 2025 00:15

Tgt Ion:240 Resp: 141022
Ion Ratio Lower Upper
240 100
120 9.8 8.2 12.2
236 23.9 19.8 29.8





#79

Terphenyl-d14

Concen: 34.496 ng

RT: 12.986 min Scan# 1835

Delta R.T. -0.012 min

Lab File: BF142933.D

Acq: 01 Jul 2025 00:15

Instrument :

BNA_F

ClientSampleId :

TP-85

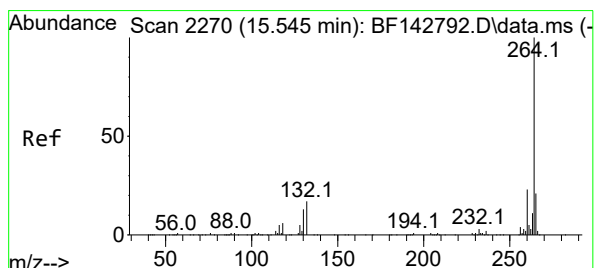
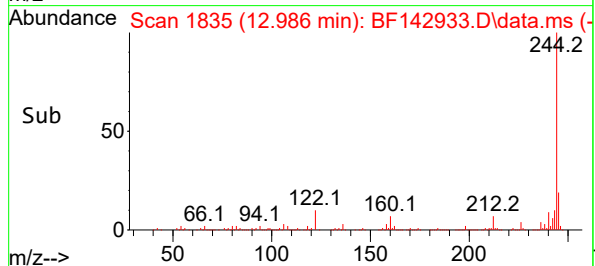
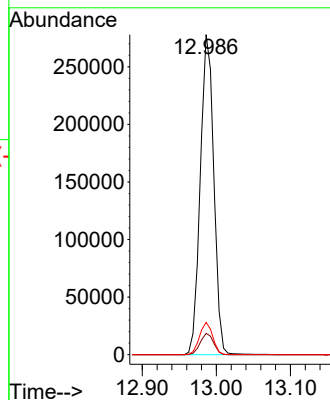
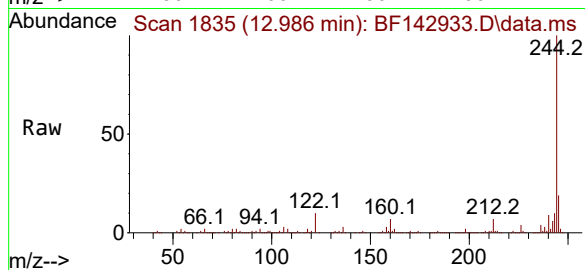
Tgt Ion:244 Resp: 352085

Ion Ratio Lower Upper

244 100

212 6.7 5.4 8.0

122 10.1 8.2 12.2



#86

Perylene-d12

Concen: 20.000 ng

RT: 15.539 min Scan# 2269

Delta R.T. -0.006 min

Lab File: BF142933.D

Acq: 01 Jul 2025 00:15

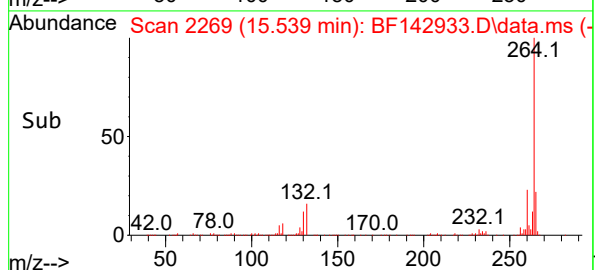
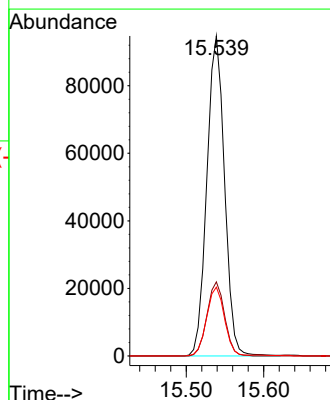
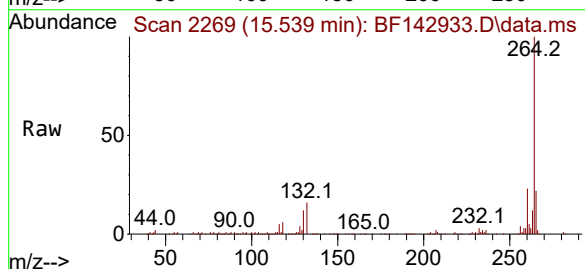
Tgt Ion:264 Resp: 150265

Ion Ratio Lower Upper

264 100

260 23.1 18.1 27.1

265 21.5 16.6 25.0



Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF063025\
 Data File : BF142933.D
 Acq On : 01 Jul 2025 00:15
 Operator : RC/JU
 Sample : Q2436-03
 Misc :
 ALS Vial : 19 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 TP-85

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-BF061925.M

Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

Signal : TIC: BF142933.D\data.ms

peak #	R.T. min	first scan	max scan	last scan	PK TY	peak height	corr. area	corr. % max.	% of total
1	5.087	484	492	509	rBV	97575	144303	11.55%	1.685%
2	5.492	555	561	580	rBV	865820	1119049	89.60%	13.066%
3	6.504	727	733	752	rBV	799149	1094761	87.65%	12.782%
4	6.875	790	796	801	rBV	282791	362127	28.99%	4.228%
5	7.434	885	891	896	rBV	550715	694086	55.57%	8.104%
6	8.157	1009	1014	1019	rBV	353802	438396	35.10%	5.119%
7	9.233	1191	1197	1202	rBV	983029	1248992	100.00%	14.583%
8	9.910	1307	1312	1318	rBV	363207	454393	36.38%	5.305%
9	10.627	1429	1434	1439	rBV	59726	74754	5.99%	0.873%
10	10.704	1442	1447	1463	rBV	510039	649370	51.99%	7.582%
11	11.404	1560	1566	1573	rBV	302759	387116	30.99%	4.520%
12	11.921	1647	1654	1659	rBV	29577	44398	3.55%	0.518%
13	12.986	1830	1835	1840	rBV	722545	903124	72.31%	10.545%
14	13.886	1982	1988	2000	rBV	34657	72718	5.82%	0.849%
15	14.045	2007	2015	2024	rBV	280350	375655	30.08%	4.386%
16	14.139	2026	2031	2037	rVV	50618	67147	5.38%	0.784%
17	14.510	2090	2094	2100	rBV5	8942	20612	1.65%	0.241%
18	15.539	2263	2269	2277	rVB	253289	400386	32.06%	4.675%
19	16.698	2462	2466	2472	rVB6	6834	13409	1.07%	0.157%

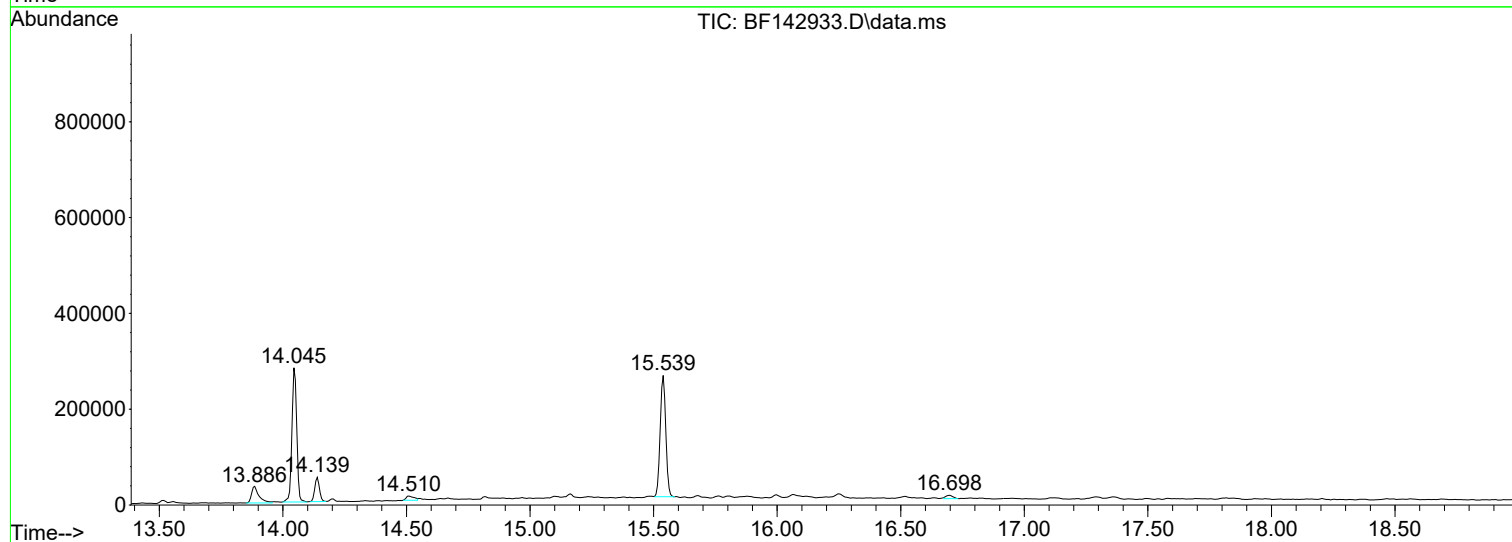
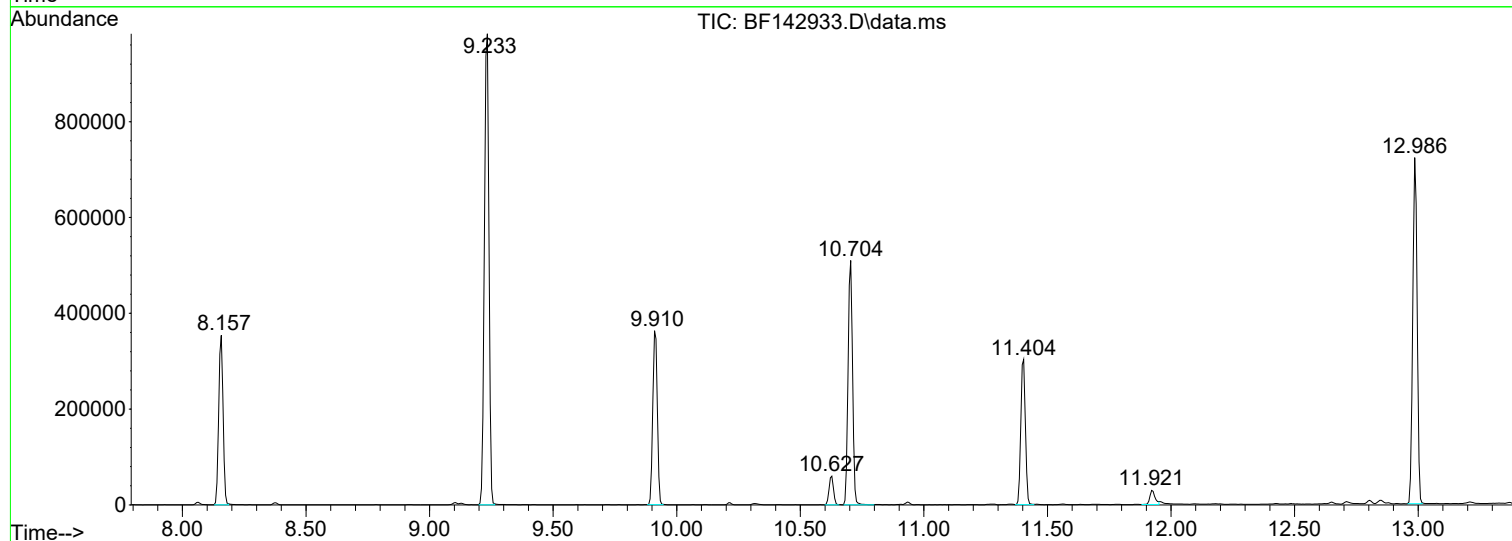
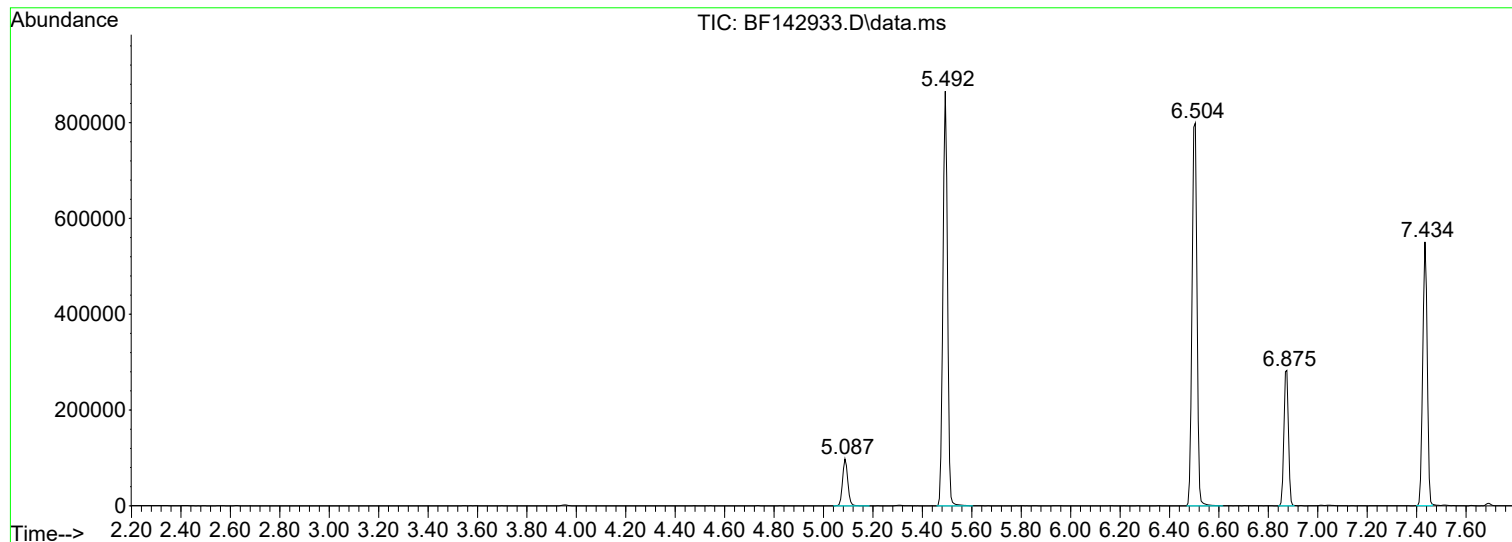
Sum of corrected areas: 8564796

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF063025\
Data File : BF142933.D
Acq On : 01 Jul 2025 00:15
Operator : RC/JU
Sample : Q2436-03
Misc :
ALS Vial : 19 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
TP-85

Quant Title :

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



Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF063025\
Data File : BF142933.D
Acq On : 01 Jul 2025 00:15
Operator : RC/JU
Sample : Q2436-03
Misc :
ALS Vial : 19 Sample Multiplier: 1

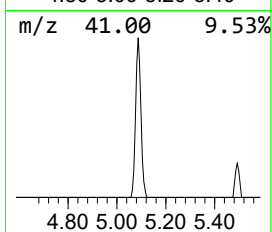
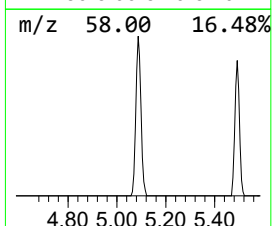
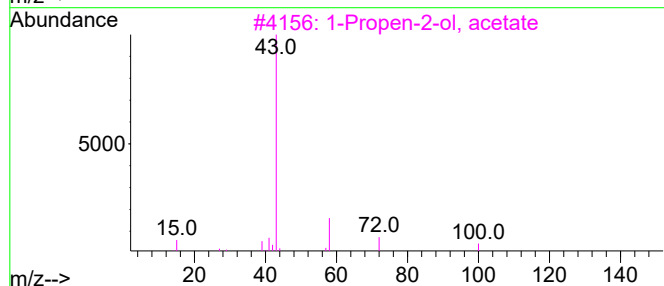
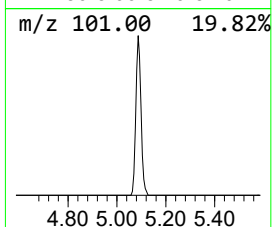
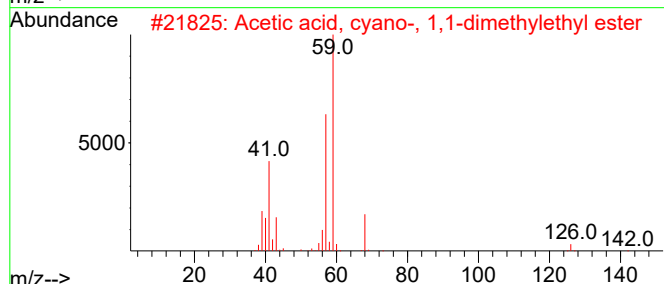
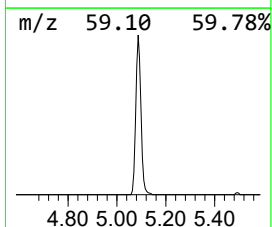
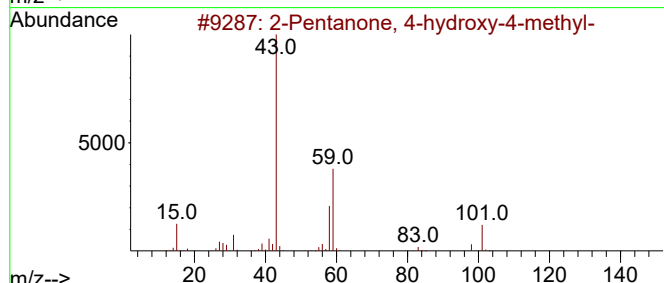
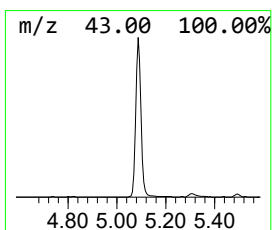
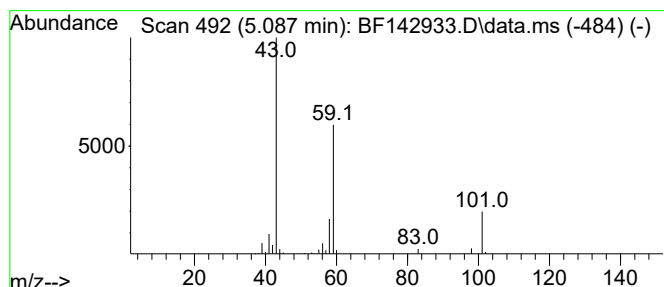
Instrument :
BNA_F
ClientSampleId :
TP-85

Quant Title :

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.	
5.087	7.97 ng	144303	1,4-Dichlorobenzene-d4	6.875	
Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	2-Pentanone, 4-hydroxy-4-methyl-	116	C6H12O2	000123-42-2	53
2	Acetic acid, cyano-, 1,1-dimethy...	141	C7H11NO2	001116-98-9	23
3	1-Propen-2-ol, acetate	100	C5H8O2	000108-22-5	10
4	(+)-4-Amino-4,5-dihydro-2(3H)-f...	101	C4H7NO2	016504-58-8	9
5	Butane, 1-ethoxy-	102	C6H14O	000628-81-9	9



Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF063025\
Data File : BF142933.D
Acq On : 01 Jul 2025 00:15
Operator : RC/JU
Sample : Q2436-03
Misc :
ALS Vial : 19 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
TP-85

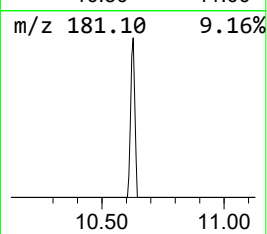
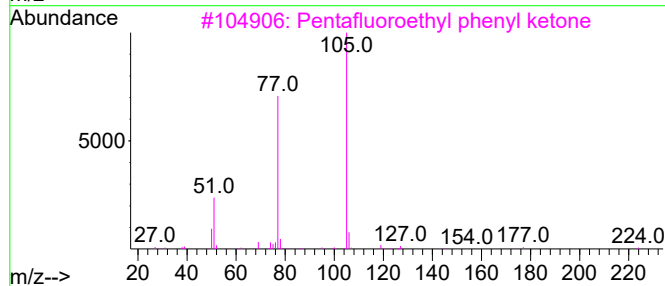
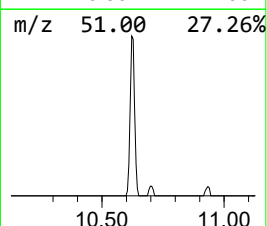
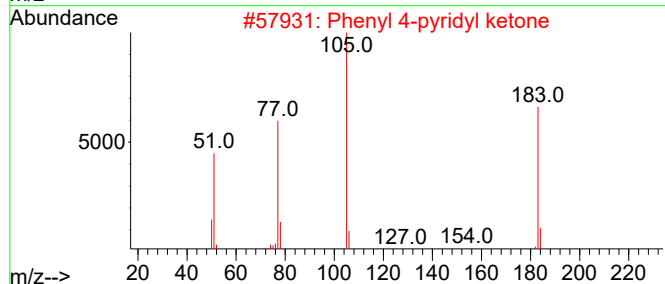
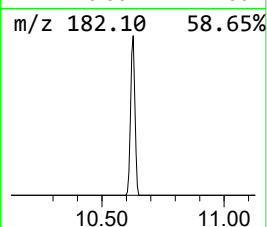
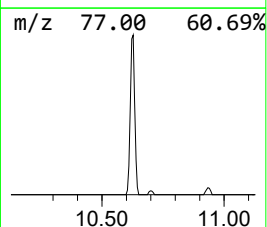
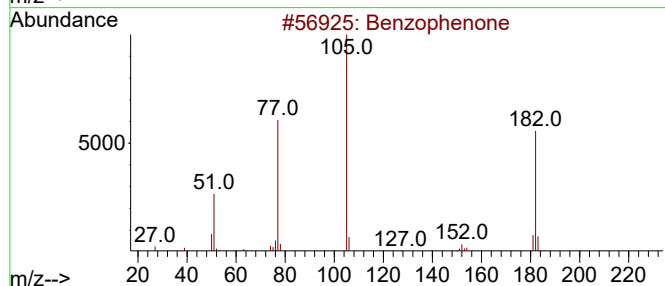
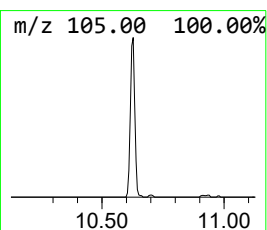
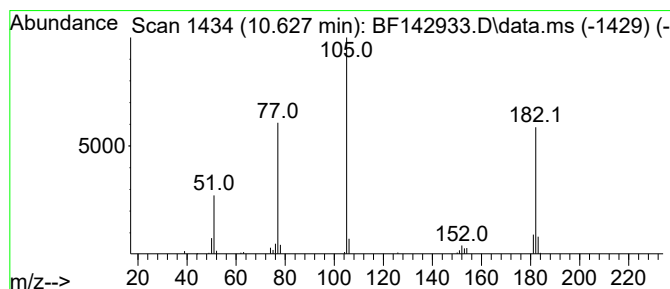
Quant Title :

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

Peak Number 2 Benzophenone Concentration Rank 4

R.T.	EstConc	Area	Relative to ISTD	R.T.
10.628	3.29 ng	74754	Acenaphthene-d10	9.910

Hit#	of	5	Tentative ID	MW	MolForm	CAS#	Qual
1			Benzophenone	182	C13H10O	000119-61-9	96
2			Phenyl 4-pyridyl ketone	183	C12H9NO	014548-46-0	53
3			Pentafluoroethyl phenyl ketone	224	C9H5F5O	000394-52-5	47
4			Vinyl benzoate	148	C9H8O2	000769-78-8	47
5			Benzoic acid, phenyl ester	198	C13H10O2	000093-99-2	47



Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF063025\
Data File : BF142933.D
Acq On : 01 Jul 2025 00:15
Operator : RC/JU
Sample : Q2436-03
Misc :
ALS Vial : 19 Sample Multiplier: 1

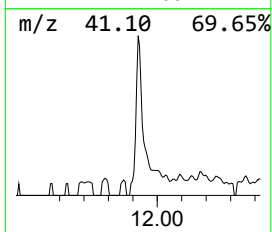
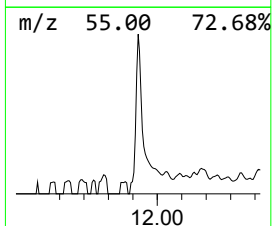
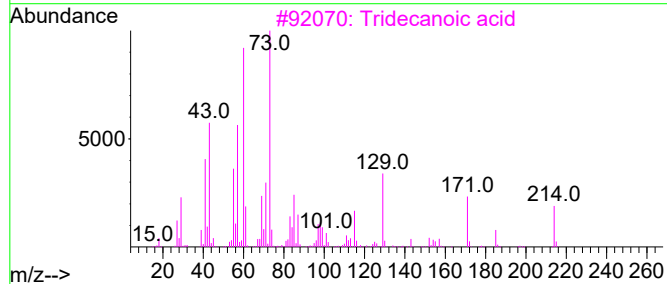
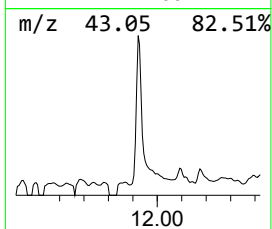
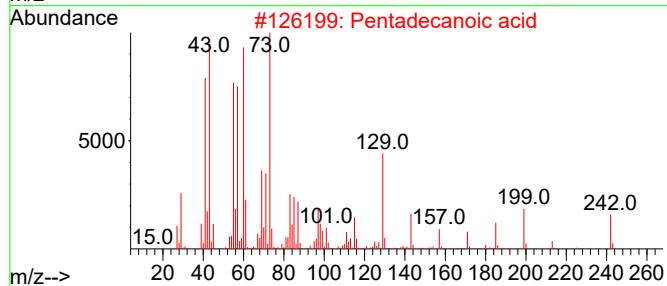
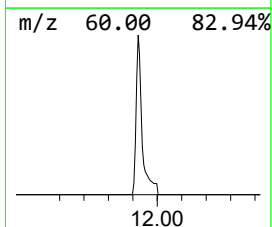
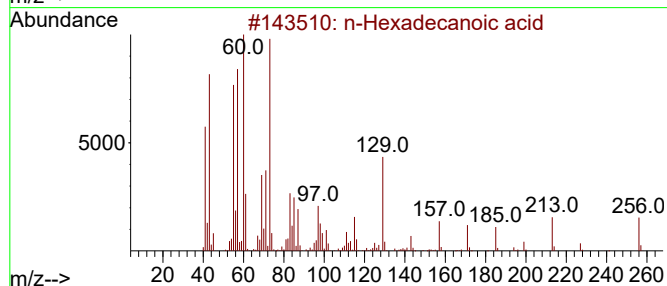
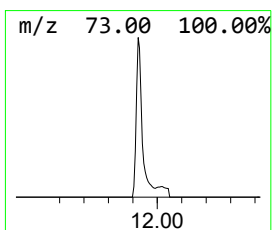
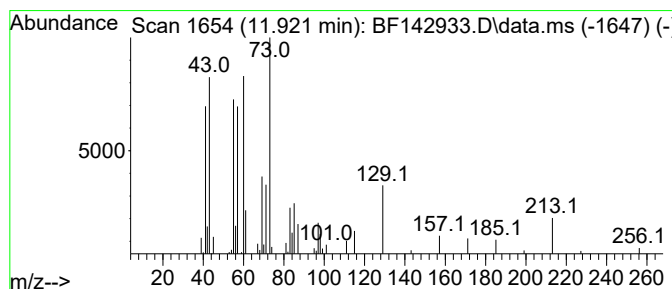
Instrument :
BNA_F
ClientSampleId :
TP-85

Quant Title :

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

Peak Number 3 n-Hexadecanoic acid Concentration Rank 5

R.T.	EstConc	Area	Relative to ISTD	R.T.	
11.922	2.29 ng	44398	Phenanthrene-d10	11.404	
Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	n-Hexadecanoic acid	256	C16H32O2	000057-10-3	98
2	Pentadecanoic acid	242	C15H30O2	001002-84-2	81
3	Tridecanoic acid	214	C13H26O2	000638-53-9	72
4	Tetradecanoic acid	228	C14H28O2	000544-63-8	62
5	n-Decanoic acid	172	C10H20O2	000334-48-5	47



Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF063025\
Data File : BF142933.D
Acq On : 01 Jul 2025 00:15
Operator : RC/JU
Sample : Q2436-03
Misc :
ALS Vial : 19 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
TP-85

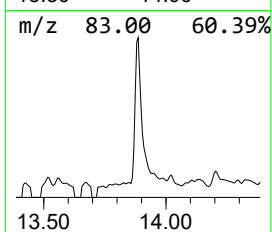
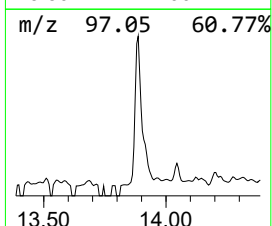
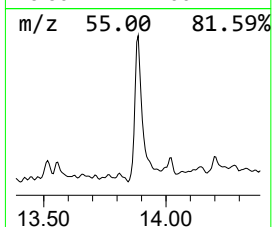
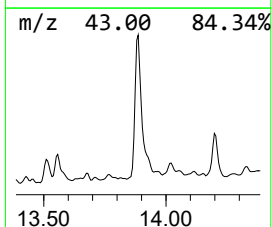
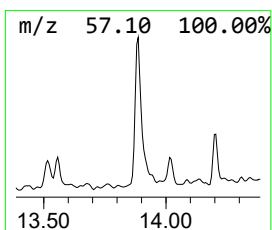
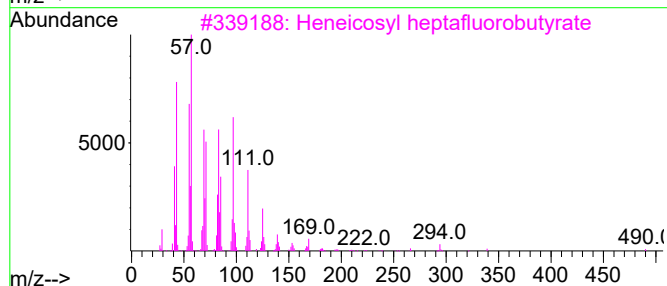
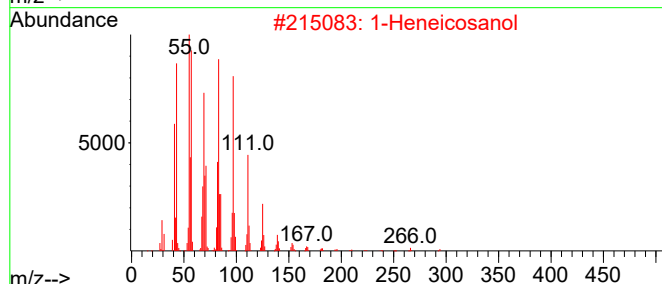
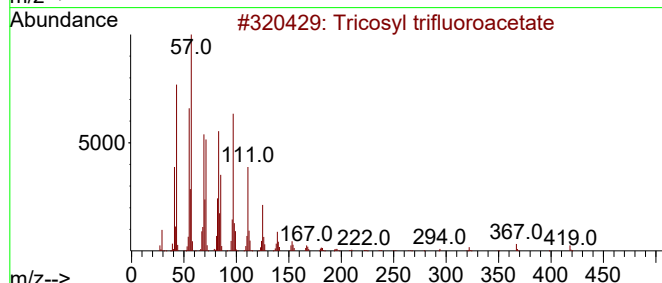
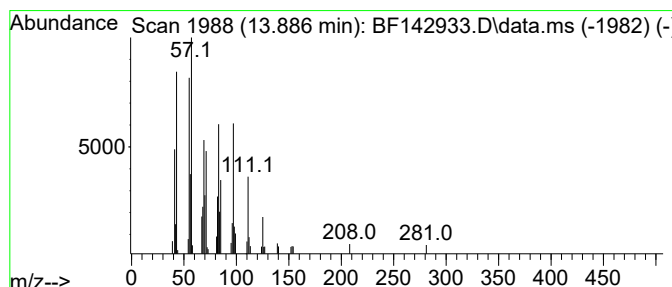
Quant Title :

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

Peak Number 4 Tricosyl trifluoroacetate Concentration Rank 2

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.886	3.87 ng	72718	Chrysene-d12	14.045

Hit#	of	5	Tentative ID	MW	MolForm	CAS#	Qual
1			Tricosyl trifluoroacetate	436	C25H47F3O2	1000351-75-1	94
2			1-Heneicosanol	312	C21H44O	015594-90-8	93
3			Heneicosyl heptafluorobutyrate	508	C25H43F7O2	1000351-83-8	93
4			Pentafluoropropionic acid, octad...	416	C21H37F5O2	959261-25-7	91
5			Tetracosyl heptafluorobutyrate	550	C28H49F7O2	1000351-83-7	91



Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF063025\
Data File : BF142933.D
Acq On : 01 Jul 2025 00:15
Operator : RC/JU
Sample : Q2436-03
Misc :
ALS Vial : 19 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
TP-85

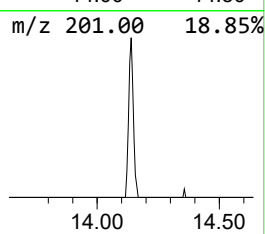
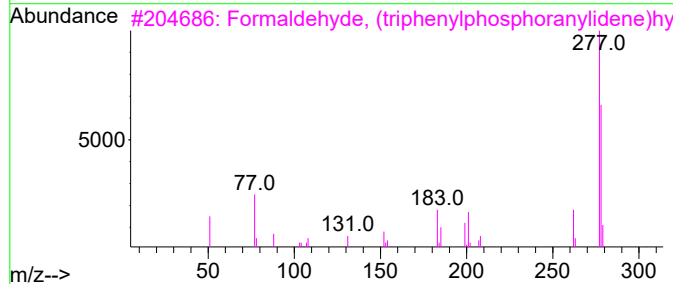
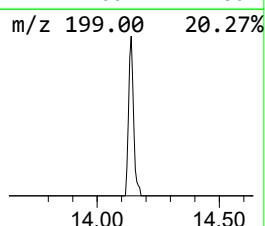
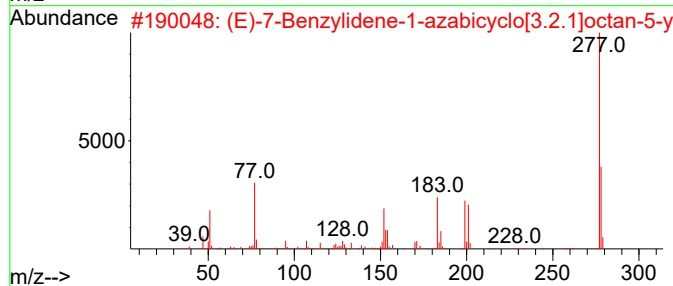
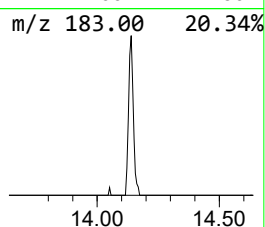
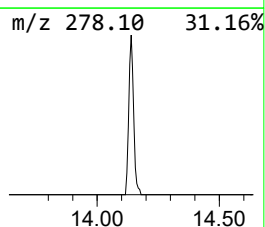
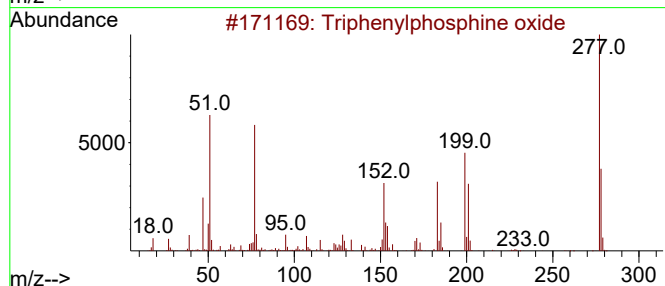
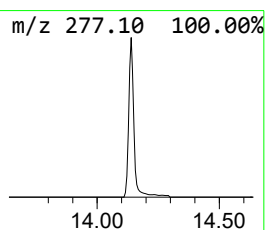
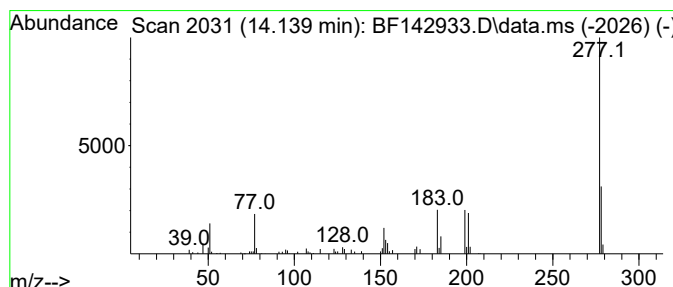
Quant Title :

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

Peak Number 5 Triphenylphosphine oxide Concentration Rank 3

R.T.	EstConc	Area	Relative to ISTD	R.T.
14.139	3.57 ng	67147	Chrysene-d12	14.045

Hit#	of	5	Tentative ID	MW	MolForm	CAS#	Qual
1			Triphenylphosphine oxide	278	C18H15OP	000791-28-6	96
2			(E)-7-Benzylidene-1-azabicyclo[3...]	293	C15H19N03S	1000483-83-4	90
3			Formaldehyde, (triphenylphosphor...]	304	C19H17N2P	015990-54-2	45
4			Cobalt,(.eta.<5>-2,4-cyclopentad...	277	C16H15BCo	036682-12-9	43
5			Vanadium, cycloheptatrieny1-(pen...	277	C17H22V	1000155-20-5	28



Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF063025\
Data File : BF142933.D
Acq On : 01 Jul 2025 00:15
Operator : RC/JU
Sample : Q2436-03
Misc :
ALS Vial : 19 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
TP-85

Quant Title :

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

TIC Top Hit name	RT	EstConc	Units	Response	--Internal Standard---			
					#	RT	Resp	Conc
2-Pentanone, 4-...	5.087	8.0	ng	144303	1	6.875	362127	20.0
Benzophenone	10.628	3.3	ng	74754	3	9.910	454393	20.0
n-Hexadecanoic ...	11.922	2.3	ng	44398	4	11.404	387116	20.0
Tricosyl triflu...	13.886	3.9	ng	72718	5	14.045	375655	20.0
Triphenylphosph...	14.139	3.6	ng	67147	5	14.045	375655	20.0

Report of Analysis

Client:	CDM Smith	Date Collected:	06/25/25
Project:	South River WM Replacement	Date Received:	06/26/25
Client Sample ID:	TP-86	SDG No.:	Q2436
Lab Sample ID:	Q2436-04	Matrix:	SOIL
Analytical Method:	8270E	% Solid:	88.7
Sample Wt/Vol:	30.07	Units:	g
Soil Aliquot Vol:			uL
Extraction Type :		Decanted :	N
Injection Volume :		GPC Factor :	1.0
Prep Method :	SW3541	Level :	LOW
		Test:	SVOC-TCL BNA -20
		Final Vol:	1000 uL
		GPC Cleanup :	N
		PH :	

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
BF142924.D	1	06/27/25 11:20	06/30/25 19:44	PB168649

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units(Dry Weight)
TARGETS						
100-52-7	Benzaldehyde	180	U	180	370	ug/Kg
108-95-2	Phenol	24.9	U	24.9	190	ug/Kg
111-44-4	bis(2-Chloroethyl)ether	27.3	U	27.3	190	ug/Kg
95-57-8	2-Chlorophenol	27.4	U	27.4	190	ug/Kg
95-48-7	2-Methylphenol	33.6	U	33.6	190	ug/Kg
108-60-1	2,2-oxybis(1-Chloropropane)	42.2	U	42.2	190	ug/Kg
98-86-2	Acetophenone	33.2	U	33.2	190	ug/Kg
65794-96-9	3+4-Methylphenols	46.2	U	46.2	370	ug/Kg
621-64-7	n-Nitroso-di-n-propylamine	53.3	U	53.3	90.0	ug/Kg
67-72-1	Hexachloroethane	19.8	U	19.8	190	ug/Kg
98-95-3	Nitrobenzene	20.6	U	20.6	190	ug/Kg
78-59-1	Isophorone	36.9	U	36.9	190	ug/Kg
88-75-5	2-Nitrophenol	65.5	U	65.5	190	ug/Kg
105-67-9	2,4-Dimethylphenol	72.9	U	72.9	190	ug/Kg
111-91-1	bis(2-Chloroethoxy)methane	34.6	U	34.6	190	ug/Kg
120-83-2	2,4-Dichlorophenol	31.8	U	31.8	190	ug/Kg
91-20-3	Naphthalene	25.5	U	25.5	190	ug/Kg
106-47-8	4-Chloroaniline	39.8	U	39.8	190	ug/Kg
87-68-3	Hexachlorobutadiene	28.5	U	28.5	190	ug/Kg
105-60-2	Caprolactam	58.6	U	58.6	370	ug/Kg
59-50-7	4-Chloro-3-methylphenol	32.3	U	32.3	190	ug/Kg
91-57-6	2-Methylnaphthalene	28.8	U	28.8	190	ug/Kg
77-47-4	Hexachlorocyclopentadiene	130	U	130	370	ug/Kg
88-06-2	2,4,6-Trichlorophenol	22.3	U	22.3	190	ug/Kg
95-95-4	2,4,5-Trichlorophenol	32.7	U	32.7	190	ug/Kg
92-52-4	1,1-Biphenyl	24.5	U	24.5	190	ug/Kg
91-58-7	2-Chloronaphthalene	25.3	U	25.3	190	ug/Kg
88-74-4	2-Nitroaniline	54.1	U	54.1	190	ug/Kg
131-11-3	Dimethylphthalate	30.5	U	30.5	190	ug/Kg

Report of Analysis

Client:	CDM Smith	Date Collected:	06/25/25
Project:	South River WM Replacement	Date Received:	06/26/25
Client Sample ID:	TP-86	SDG No.:	Q2436
Lab Sample ID:	Q2436-04	Matrix:	SOIL
Analytical Method:	8270E	% Solid:	88.7
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
BF142924.D	1	06/27/25 11:20	06/30/25 19:44	PB168649

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units(Dry Weight)
208-96-8	Acenaphthylene	32.5	U	32.5	190	ug/Kg
606-20-2	2,6-Dinitrotoluene	37.8	U	37.8	190	ug/Kg
99-09-2	3-Nitroaniline	51.7	U	51.7	190	ug/Kg
83-32-9	Acenaphthene	24.0	U	24.0	190	ug/Kg
51-28-5	2,4-Dinitrophenol	260	U	260	370	ug/Kg
100-02-7	4-Nitrophenol	120	U	120	370	ug/Kg
132-64-9	Dibenzofuran	25.5	U	25.5	190	ug/Kg
121-14-2	2,4-Dinitrotoluene	56.4	U	56.4	190	ug/Kg
84-66-2	Diethylphthalate	31.8	U	31.8	190	ug/Kg
7005-72-3	4-Chlorophenyl-phenylether	30.0	U	30.0	190	ug/Kg
86-73-7	Fluorene	28.5	U	28.5	190	ug/Kg
100-01-6	4-Nitroaniline	72.2	U	72.2	190	ug/Kg
534-52-1	4,6-Dinitro-2-methylphenol	120	U	120	370	ug/Kg
86-30-6	n-Nitrosodiphenylamine	37.0	U	37.0	190	ug/Kg
101-55-3	4-Bromophenyl-phenylether	31.3	U	31.3	190	ug/Kg
118-74-1	Hexachlorobenzene	28.5	U	28.5	190	ug/Kg
1912-24-9	Atrazine	38.2	U	38.2	190	ug/Kg
87-86-5	Pentachlorophenol	57.7	U	57.7	370	ug/Kg
85-01-8	Phenanthrene	23.5	U	23.5	190	ug/Kg
120-12-7	Anthracene	37.5	U	37.5	190	ug/Kg
86-74-8	Carbazole	35.1	U	35.1	190	ug/Kg
84-74-2	Di-n-butylphthalate	53.9	U	53.9	190	ug/Kg
206-44-0	Fluoranthene	33.7	U	33.7	190	ug/Kg
129-00-0	Pyrene	40.5	U	40.5	190	ug/Kg
85-68-7	Butylbenzylphthalate	80.3	U	80.3	190	ug/Kg
91-94-1	3,3-Dichlorobenzidine	41.3	U	41.3	370	ug/Kg
56-55-3	Benzo(a)anthracene	25.9	U	25.9	190	ug/Kg
218-01-9	Chrysene	22.4	U	22.4	190	ug/Kg
117-81-7	Bis(2-ethylhexyl)phthalate	66.6	U	66.6	190	ug/Kg
117-84-0	Di-n-octyl phthalate	97.6	U	97.6	370	ug/Kg
205-99-2	Benzo(b)fluoranthene	21.4	U	21.4	190	ug/Kg

Report of Analysis

Client:	CDM Smith	Date Collected:	06/25/25
Project:	South River WM Replacement	Date Received:	06/26/25
Client Sample ID:	TP-86	SDG No.:	Q2436
Lab Sample ID:	Q2436-04	Matrix:	SOIL
Analytical Method:	8270E	% Solid:	88.7
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
BF142924.D	1	06/27/25 11:20	06/30/25 19:44	PB168649

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units(Dry Weight)
207-08-9	Benzo(k)fluoranthene	25.2	U	25.2	190	ug/Kg
50-32-8	Benzo(a)pyrene	33.2	U	33.2	190	ug/Kg
193-39-5	Indeno(1,2,3-cd)pyrene	32.7	U	32.7	190	ug/Kg
53-70-3	Dibenzo(a,h)anthracene	30.8	U	30.8	190	ug/Kg
191-24-2	Benzo(g,h,i)perylene	28.9	U	28.9	190	ug/Kg
95-94-3	1,2,4,5-Tetrachlorobenzene	28.8	U	28.8	190	ug/Kg
123-91-1	1,4-Dioxane	50.8	U	50.8	190	ug/Kg
58-90-2	2,3,4,6-Tetrachlorophenol	30.8	U	30.8	190	ug/Kg

SURROGATES

367-12-4	2-Fluorophenol	79.5		18 - 112	53%	SPK: 150
13127-88-3	Phenol-d6	79.0		15 - 107	53%	SPK: 150
4165-60-0	Nitrobenzene-d5	50.1		18 - 107	50%	SPK: 100
321-60-8	2-Fluorobiphenyl	46.4		20 - 109	46%	SPK: 100
118-79-6	2,4,6-Tribromophenol	73.9		10 - 116	49%	SPK: 150
1718-51-0	Terphenyl-d14	40.9		10 - 105	41%	SPK: 100

INTERNAL STANDARDS

3855-82-1	1,4-Dichlorobenzene-d4	73900	6.875	
1146-65-2	Naphthalene-d8	282000	8.157	
15067-26-2	Acenaphthene-d10	145000	9.916	
1517-22-2	Phenanthrene-d10	227000	11.404	
1719-03-5	Chrysene-d12	138000	14.045	
1520-96-3	Perylene-d12	164000	15.539	

TENTATIVE IDENTIFIED COMPOUNDS

000123-42-2	2-Pentanone, 4-hydroxy-4-methyl-	220	AB	5.09	ug/Kg
000119-61-9	Benzophenone	120	J	10.6	ug/Kg
1000406-04-8	Pentadecafluorooctanoic acid, octa	150	J	13.9	ug/Kg
045235-48-1	1-Decanol, 2-octyl-	86.2	J	14.5	ug/Kg
	unknown18.462	78.0	J	18.5	ug/Kg

Report of Analysis

Client:	CDM Smith	Date Collected:	06/25/25
Project:	South River WM Replacement	Date Received:	06/26/25
Client Sample ID:	TP-86	SDG No.:	Q2436
Lab Sample ID:	Q2436-04	Matrix:	SOIL
Analytical Method:	8270E	% Solid:	88.7
Sample Wt/Vol:	30.07	Units:	g
Soil Aliquot Vol:			uL
Extraction Type :		Decanted :	N
Injection Volume :		GPC Factor :	1.0
Prep Method :	SW3541	Level :	LOW
		Final Vol:	1000 uL
		Test:	SVOC-TCL BNA -20
		GPC Cleanup :	N
		PH :	

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
BF142924.D	1	06/27/25 11:20	06/30/25 19:44	PB168649

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\BF063025\
Data File : BF142924.D
Acq On : 30 Jun 2025 19:44
Operator : RC/JU
Sample : Q2436-04
Misc :
ALS Vial : 10 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
TP-86

Quant Time: Jul 01 01:24:26 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF061925.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Tue Jun 24 05:28:21 2025
Response via : Initial Calibration

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

Internal Standards						
1) 1,4-Dichlorobenzene-d4	6.875	152	73916	20.000	ng	0.00
21) Naphthalene-d8	8.157	136	282423	20.000	ng	-0.01
39) Acenaphthene-d10	9.916	164	144734	20.000	ng	0.00
64) Phenanthrene-d10	11.404	188	227000	20.000	ng	0.00
76) Chrysene-d12	14.045	240	138055	20.000	ng	-0.01
86) Perylene-d12	15.539	264	164219	20.000	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.493	112	353067	79.527	ng	0.00
7) Phenol-d6	6.504	99	413711	78.985	ng	0.00
23) Nitrobenzene-d5	7.434	82	257855	50.079	ng	-0.01
42) 2,4,6-Tribromophenol	10.704	330	110106	73.926	ng	-0.01
45) 2-Fluorobiphenyl	9.233	172	511114	46.391	ng	-0.01
79) Terphenyl-d14	12.986	244	408851	40.919	ng	-0.01

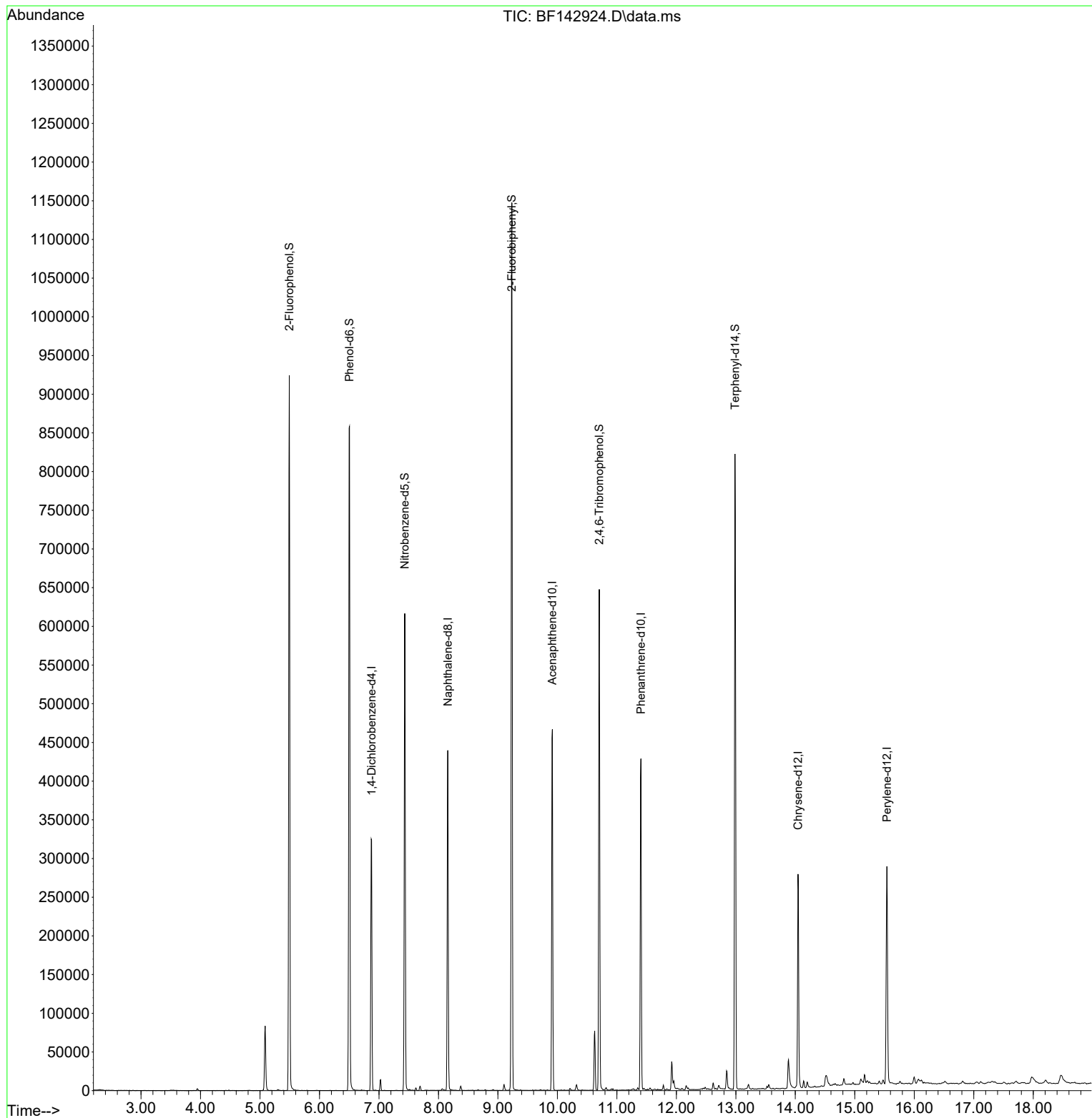
Target Compounds	Qvalue

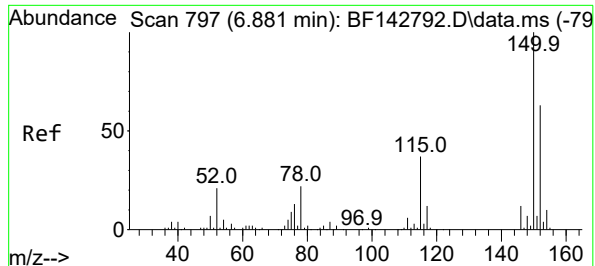
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Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF063025\
Data File : BF142924.D
Acq On : 30 Jun 2025 19:44
Operator : RC/JU
Sample : Q2436-04
Misc :
ALS Vial : 10 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
TP-86

Quant Time: Jul 01 01:24:26 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF061925.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Tue Jun 24 05:28:21 2025
Response via : Initial Calibration

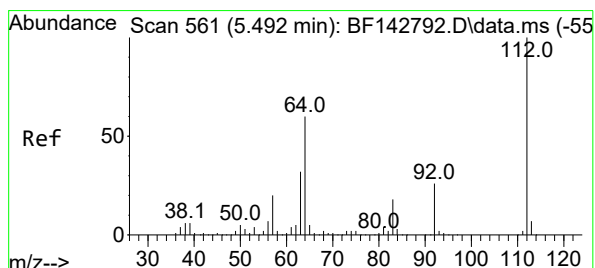
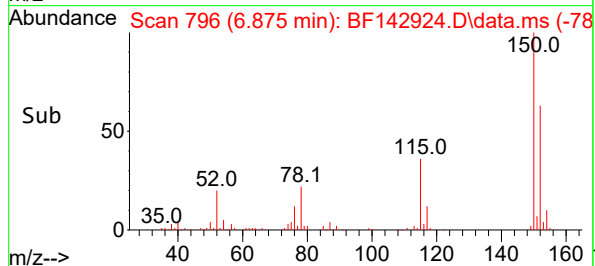
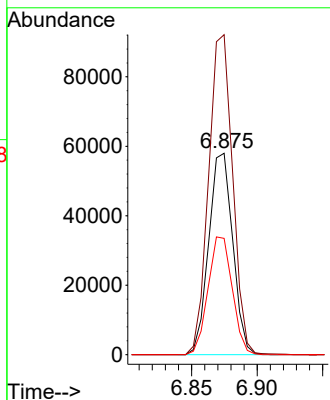
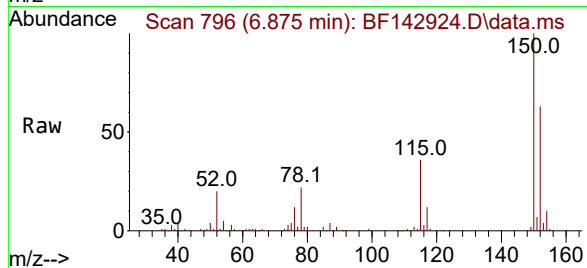




#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.875 min Scan# 797
Delta R.T. -0.006 min
Lab File: BF142924.D
Acq: 30 Jun 2025 19:44

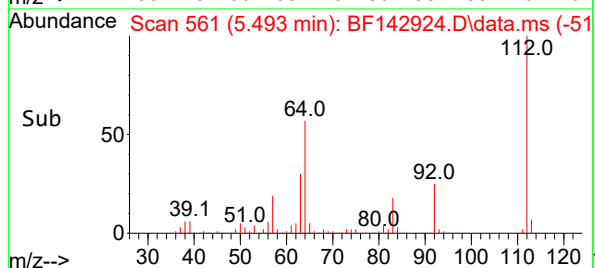
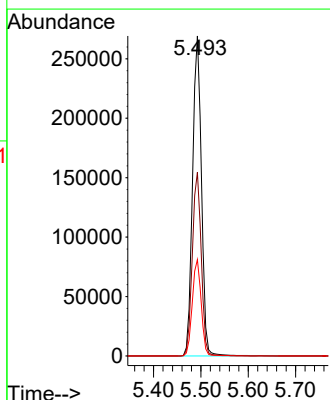
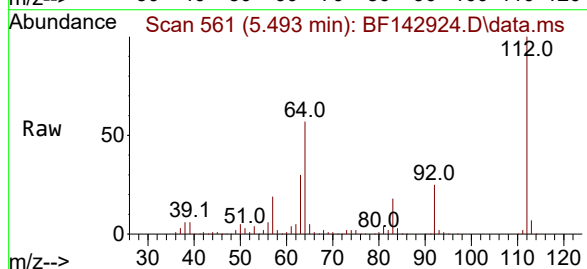
Instrument :
BNA_F
ClientSampleId :
TP-86

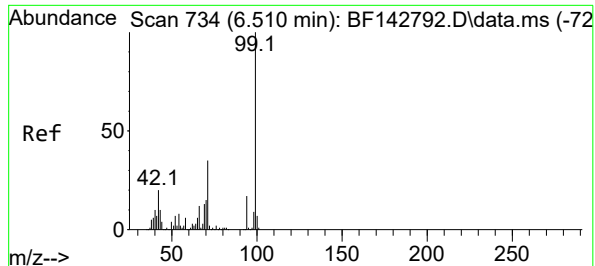
Tgt Ion:152 Resp: 73916
Ion Ratio Lower Upper
152 100
150 158.8 127.2 190.8
115 57.7 46.6 69.8



#5
2-Fluorophenol
Concen: 79.527 ng
RT: 5.493 min Scan# 561
Delta R.T. 0.001 min
Lab File: BF142924.D
Acq: 30 Jun 2025 19:44

Tgt Ion:112 Resp: 353067
Ion Ratio Lower Upper
112 100
64 57.4 48.2 72.2
63 30.1 25.7 38.5

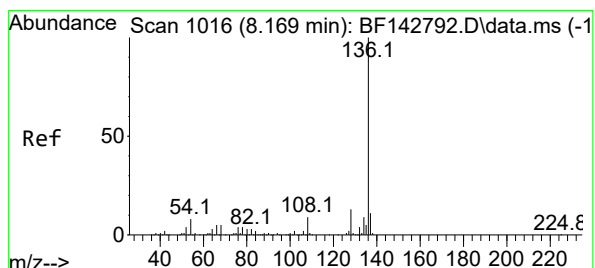
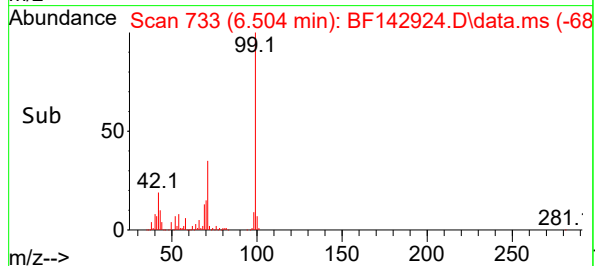
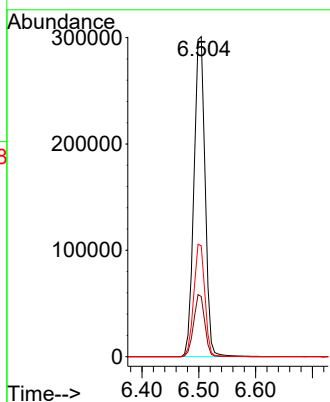
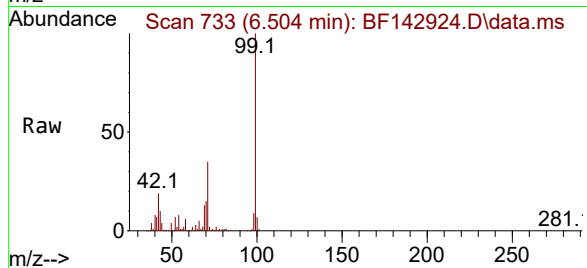




#7
Phenol-d6
Concen: 78.985 ng
RT: 6.504 min Scan# 71
Delta R.T. -0.006 min
Lab File: BF142924.D
Acq: 30 Jun 2025 19:44

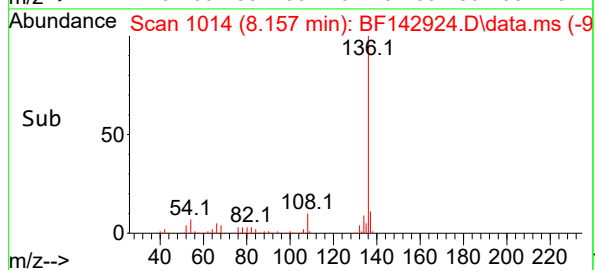
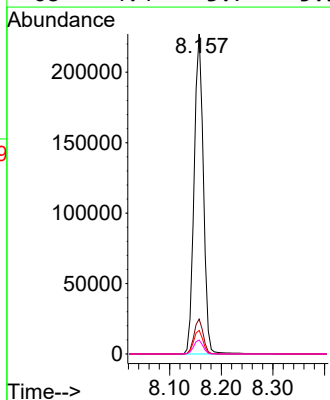
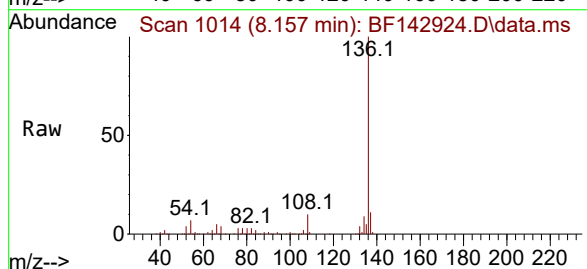
Instrument :
BNA_F
ClientSampleId :
TP-86

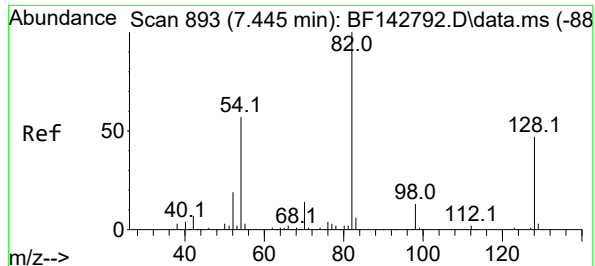
Tgt Ion: 99 Resp: 413711
Ion Ratio Lower Upper
99 100
42 18.8 15.9 23.9
71 34.7 27.8 41.8



#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.157 min Scan# 1014
Delta R.T. -0.012 min
Lab File: BF142924.D
Acq: 30 Jun 2025 19:44

Tgt Ion: 136 Resp: 282423
Ion Ratio Lower Upper
136 100
137 10.9 8.4 12.6
54 7.4 6.3 9.5
68 4.4 3.7 5.5





#23

Nitrobenzene-d5

Concen: 50.079 ng

RT: 7.434 min Scan# 89

Delta R.T. -0.011 min

Lab File: BF142924.D

Acq: 30 Jun 2025 19:44

Instrument :

BNA_F

ClientSampleId :

TP-86

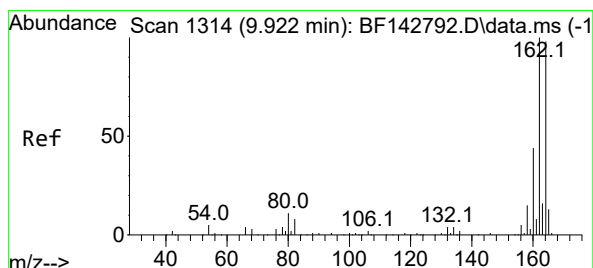
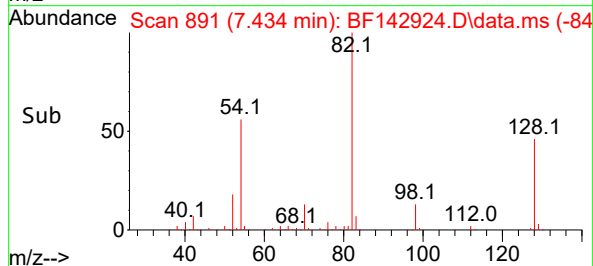
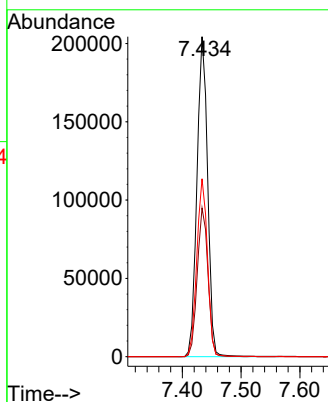
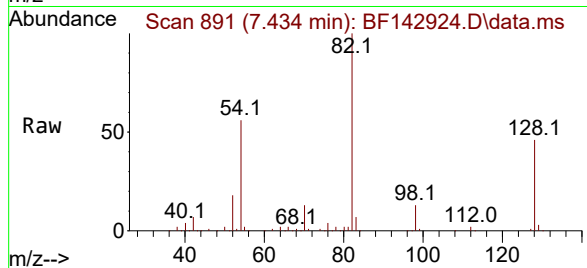
Tgt Ion: 82 Resp: 257855

Ion Ratio Lower Upper

82 100

128 46.5 37.7 56.5

54 55.6 45.7 68.5



#39

Acenaphthene-d10

Concen: 20.000 ng

RT: 9.916 min Scan# 1313

Delta R.T. -0.006 min

Lab File: BF142924.D

Acq: 30 Jun 2025 19:44

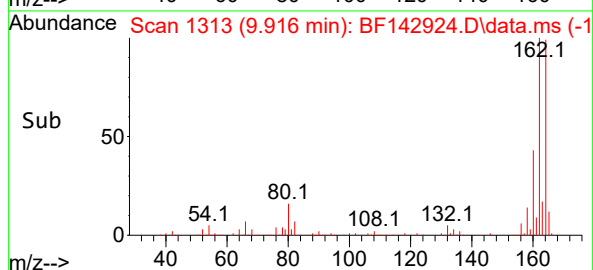
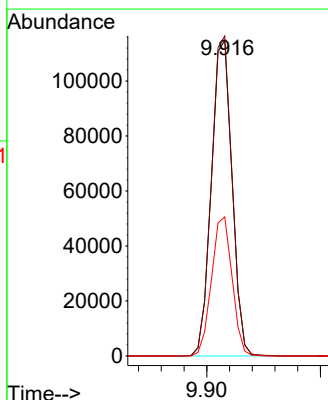
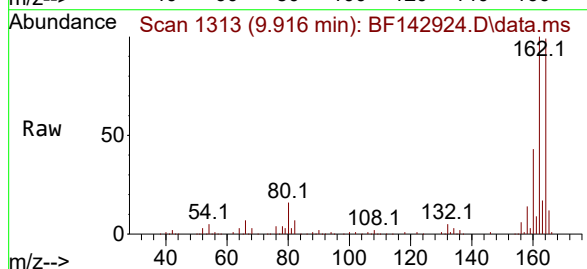
Tgt Ion:164 Resp: 144734

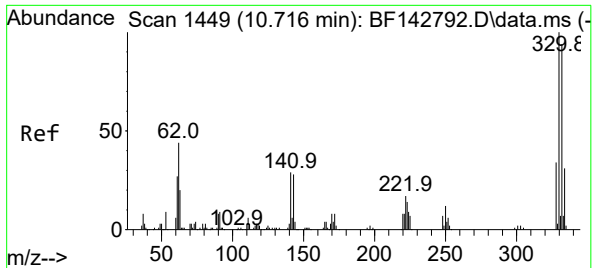
Ion Ratio Lower Upper

164 100

162 101.4 81.8 122.8

160 44.0 36.0 54.0





#42

2,4,6-Tribromophenol

Concen: 73.926 ng

RT: 10.704 min Scan# 1447

Delta R.T. -0.012 min

Lab File: BF142924.D

Acq: 30 Jun 2025 19:44

Instrument :

BNA_F

ClientSampleId :

TP-86

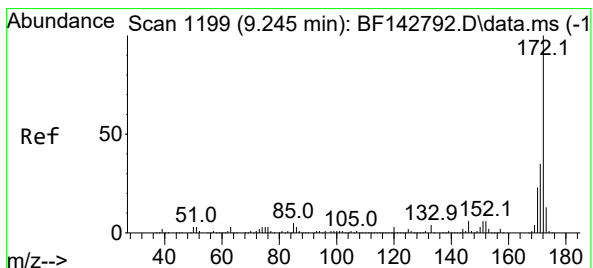
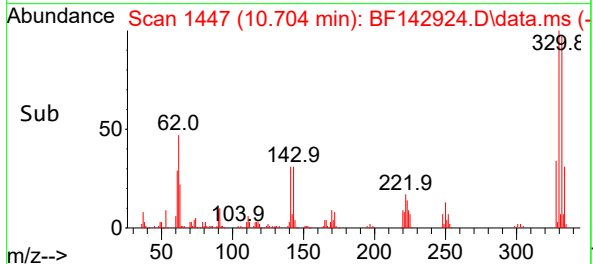
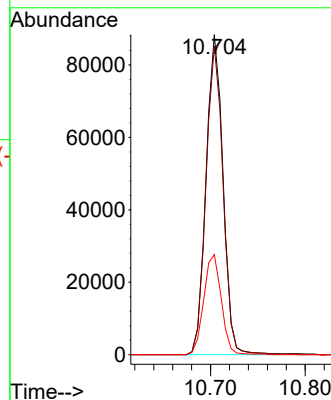
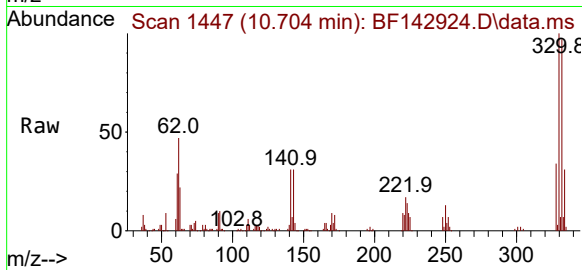
Tgt Ion:330 Resp: 110106

Ion Ratio Lower Upper

330 100

332 96.6 75.0 112.6

141 32.3 25.3 37.9



#45

2-Fluorobiphenyl

Concen: 46.391 ng

RT: 9.233 min Scan# 1197

Delta R.T. -0.012 min

Lab File: BF142924.D

Acq: 30 Jun 2025 19:44

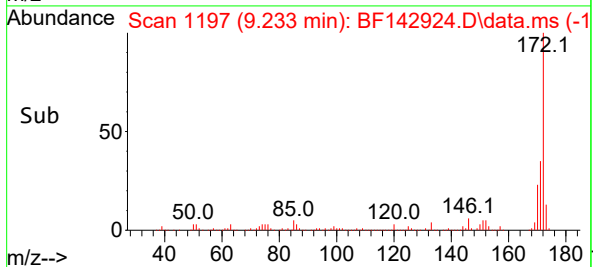
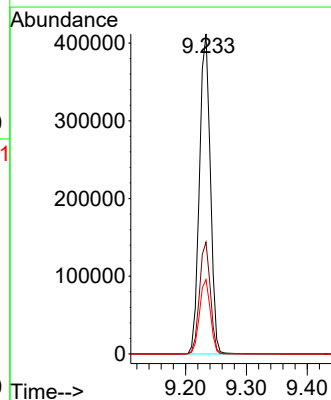
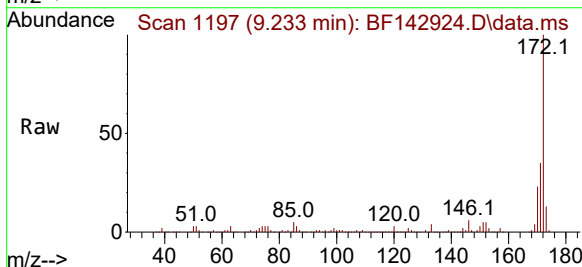
Tgt Ion:172 Resp: 511114

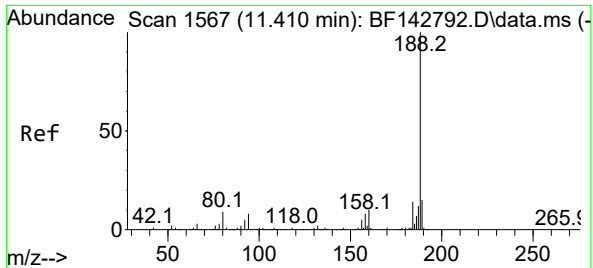
Ion Ratio Lower Upper

172 100

171 35.0 28.2 42.4

170 23.3 18.5 27.7

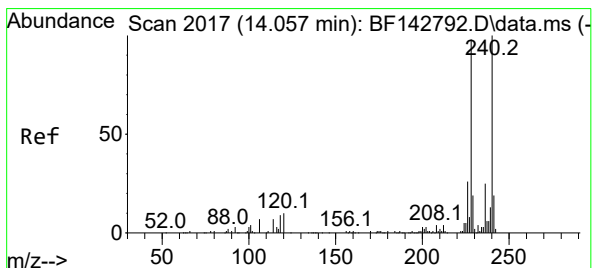
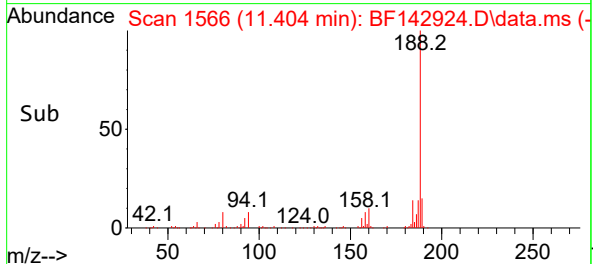
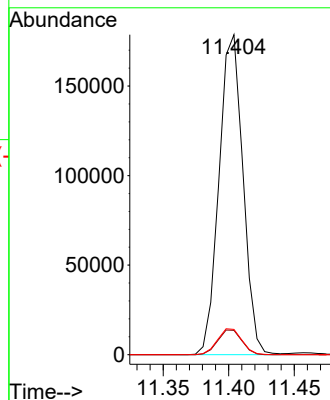
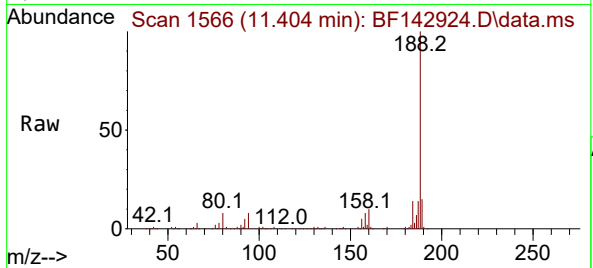




#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.404 min Scan# 11
Delta R.T. -0.006 min
Lab File: BF142924.D
Acq: 30 Jun 2025 19:44

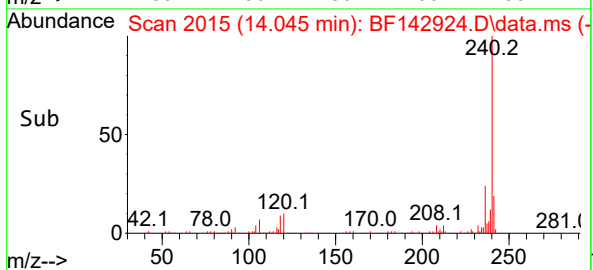
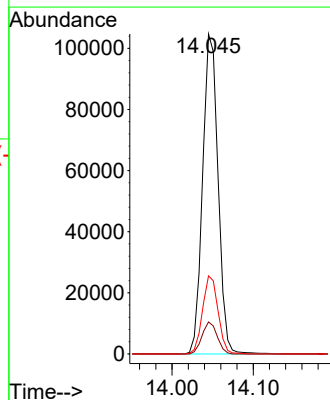
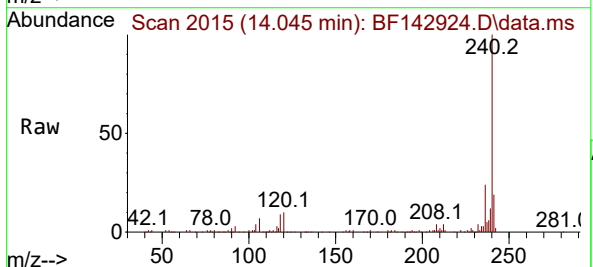
Instrument :
BNA_F
ClientSampleId :
TP-86

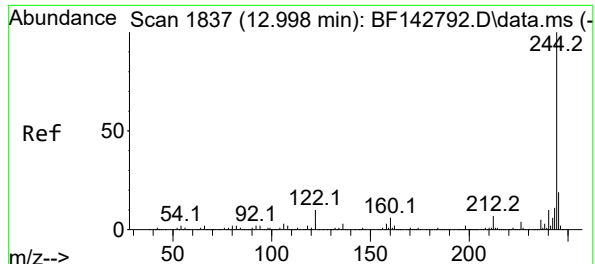
Tgt Ion:188 Resp: 227000
Ion Ratio Lower Upper
188 100
94 7.6 6.7 10.1
80 7.9 6.9 10.3



#76
Chrysene-d12
Concen: 20.000 ng
RT: 14.045 min Scan# 2015
Delta R.T. -0.012 min
Lab File: BF142924.D
Acq: 30 Jun 2025 19:44

Tgt Ion:240 Resp: 138055
Ion Ratio Lower Upper
240 100
120 10.0 8.2 12.2
236 24.4 19.8 29.8





#79

Terphenyl-d14

Concen: 40.919 ng

RT: 12.986 min Scan# 1835

Delta R.T. -0.012 min

Lab File: BF142924.D

Acq: 30 Jun 2025 19:44

Instrument :

BNA_F

ClientSampleId :

TP-86

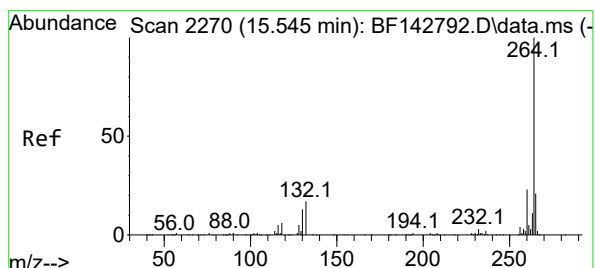
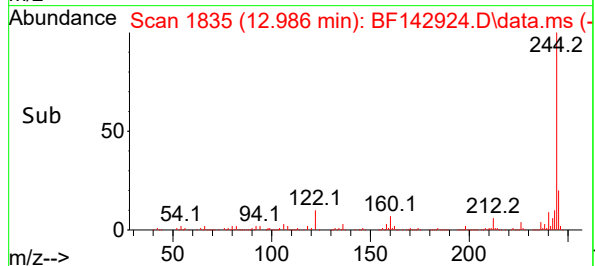
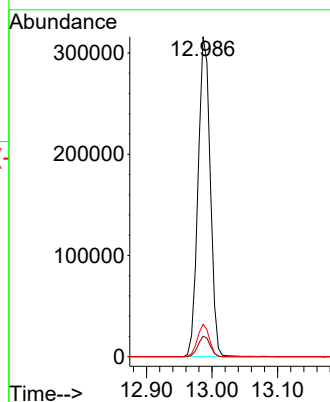
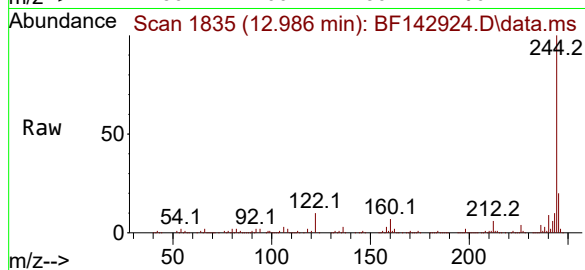
Tgt Ion:244 Resp: 408851

Ion Ratio Lower Upper

244 100

212 6.4 5.4 8.0

122 10.1 8.2 12.2



#86

Perylene-d12

Concen: 20.000 ng

RT: 15.539 min Scan# 2269

Delta R.T. -0.006 min

Lab File: BF142924.D

Acq: 30 Jun 2025 19:44

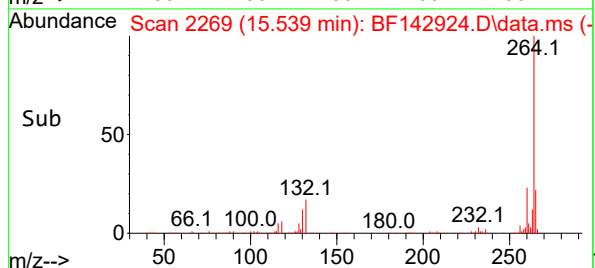
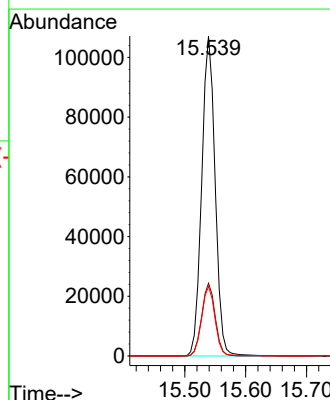
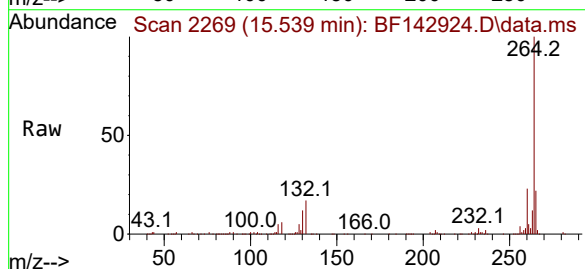
Tgt Ion:264 Resp: 164219

Ion Ratio Lower Upper

264 100

260 22.7 18.1 27.1

265 21.7 16.6 25.0



Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF063025\
 Data File : BF142924.D
 Acq On : 30 Jun 2025 19:44
 Operator : RC/JU
 Sample : Q2436-04
 Misc :
 ALS Vial : 10 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 TP-86

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-BF061925.M

Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

Signal : TIC: BF142924.D\data.ms

peak #	R.T. min	first scan	max scan	last scan	PK TY	peak height	corr. area	corr. % max.	% of total
1	5.087	486	492	503	rVB	83242	123604	8.63%	1.253%
2	5.493	555	561	575	rBV	923848	1204543	84.07%	12.214%
3	6.504	727	733	752	rBV	858009	1189206	83.00%	12.059%
4	6.869	790	795	801	rBV	325029	415795	29.02%	4.216%
5	7.028	812	822	829	rVB	14035	16767	1.17%	0.170%
6	7.434	885	891	896	rBV	616347	773695	54.00%	7.845%
7	8.157	1009	1014	1019	rBV	439070	537737	37.53%	5.453%
8	9.233	1190	1197	1202	rBV	1147110	1432708	100.00%	14.528%
9	9.916	1307	1313	1318	rBV	466235	588734	41.09%	5.970%
10	10.628	1428	1434	1442	rBV	76522	96975	6.77%	0.983%
11	10.704	1442	1447	1458	rBV	647124	812459	56.71%	8.239%
12	11.404	1560	1566	1572	rBV	427574	541965	37.83%	5.496%
13	11.922	1648	1654	1658	rBV	36582	53344	3.72%	0.541%
14	12.845	1806	1811	1816	rBV	23669	35725	2.49%	0.362%
15	12.986	1830	1835	1841	rBV	821065	1050647	73.33%	10.654%
16	13.886	1983	1988	2004	rBV	36605	72935	5.09%	0.740%
17	14.045	2010	2015	2026	rVB	275956	370053	25.83%	3.752%
18	14.516	2089	2095	2108	rBV4	13789	42542	2.97%	0.431%
19	15.539	2263	2269	2278	rBV	280955	432015	30.15%	4.381%
20	17.974	2678	2683	2695	rBV	7030	25381	1.77%	0.257%
21	18.462	2759	2766	2784	rBV	10213	44858	3.13%	0.455%

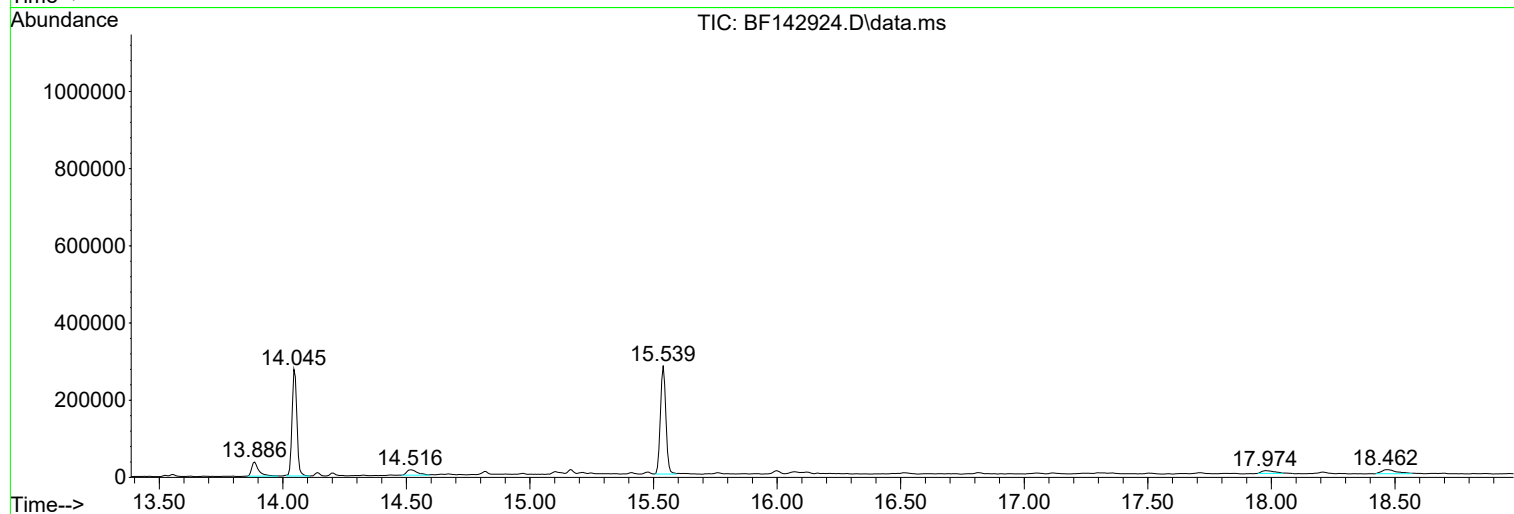
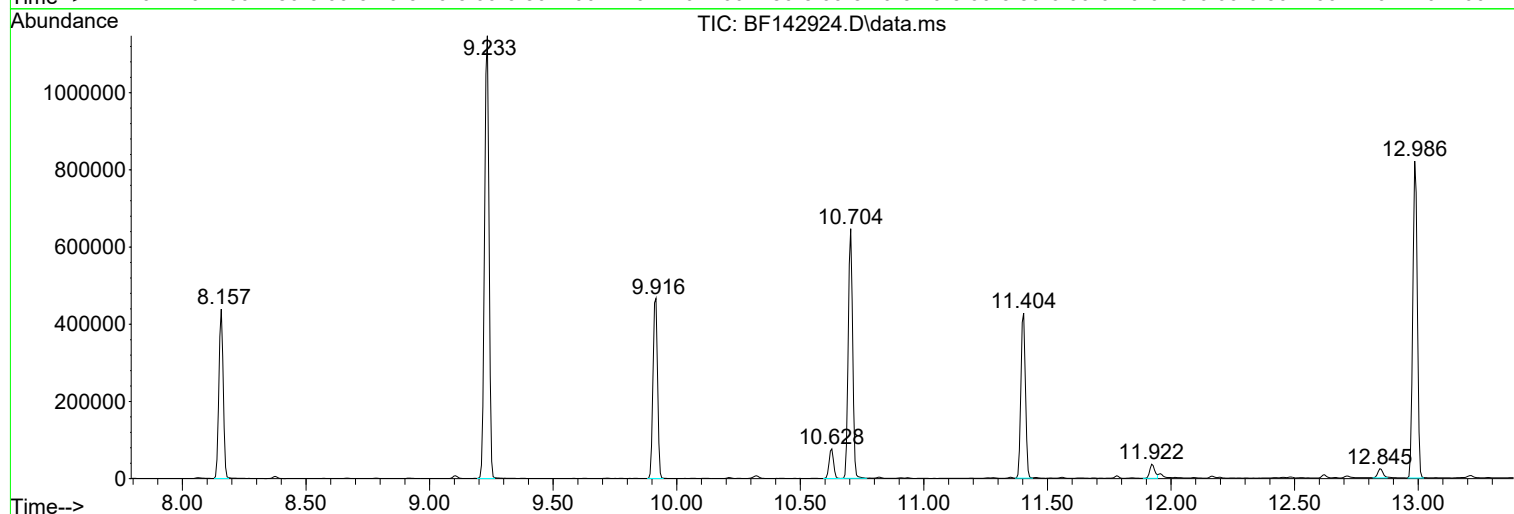
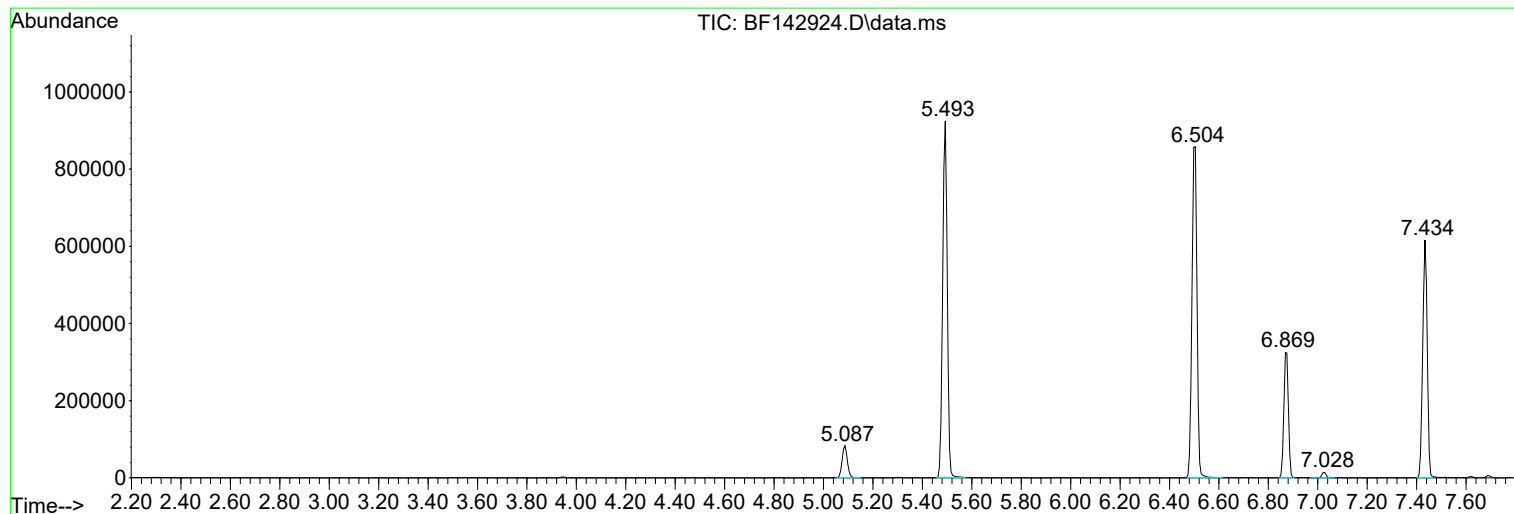
Sum of corrected areas: 9861688

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF063025\
Data File : BF142924.D
Acq On : 30 Jun 2025 19:44
Operator : RC/JU
Sample : Q2436-04
Misc :
ALS Vial : 10 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
TP-86

Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF061925.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\BF063025\
Data File : BF142924.D
Acq On : 30 Jun 2025 19:44
Operator : RC/JU
Sample : Q2436-04
Misc :
ALS Vial : 10 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
TP-86

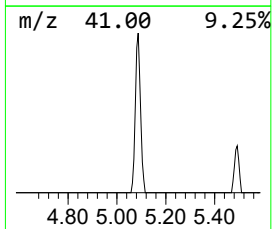
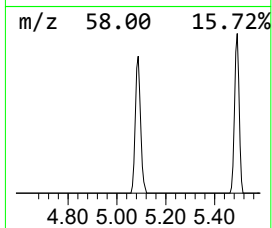
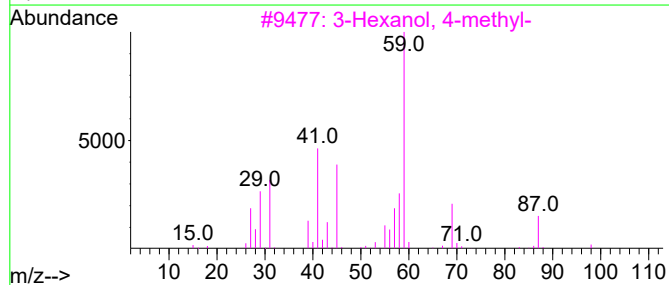
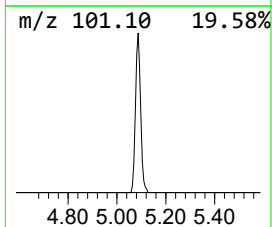
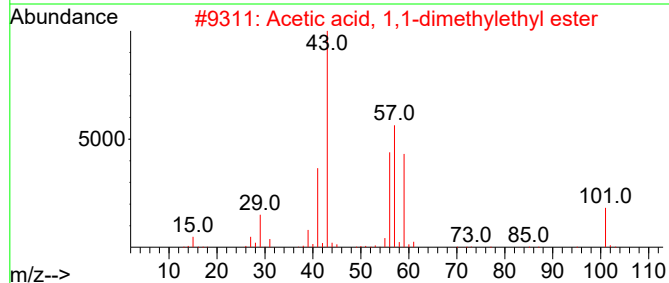
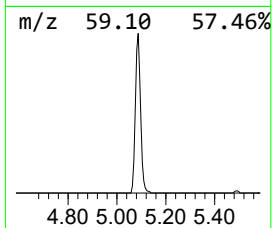
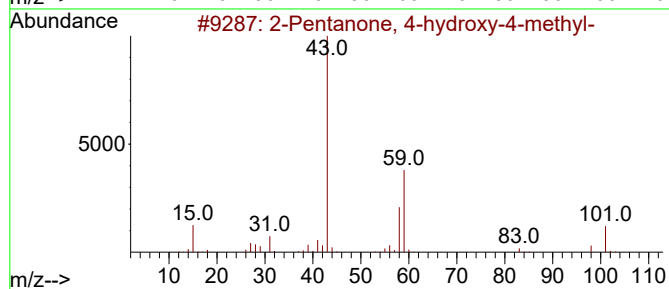
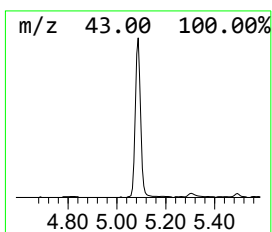
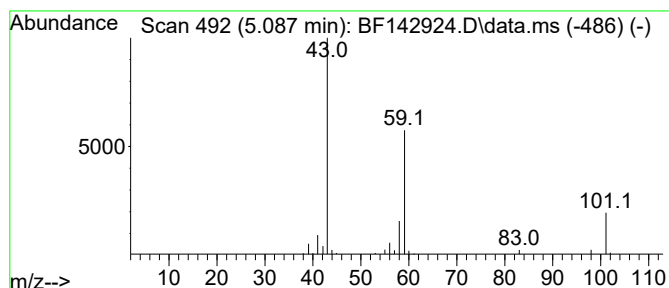
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF061925.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

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

R.T.	EstConc	Area	Relative to ISTD	R.T.
5.087	5.95 ng	123604	1,4-Dichlorobenzene-d4	6.875

Hit#	of	5	Tentative ID	MW	MolForm	CAS#	Qual
1	2-Pentanone, 4-hydroxy-4-methyl-	116	C6H12O2	000123-42-2	56		
2	Acetic acid, 1,1-dimethylethyl e...	116	C6H12O2	000540-88-5	39		
3	3-Hexanol, 4-methyl-	116	C7H16O	000615-29-2	28		
4	Acetic acid, cyano-, 1,1-dimethy...	141	C7H11NO2	001116-98-9	17		
5	1-Propen-2-ol, acetate	100	C5H8O2	000108-22-5	10		



Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF063025\
Data File : BF142924.D
Acq On : 30 Jun 2025 19:44
Operator : RC/JU
Sample : Q2436-04
Misc :
ALS Vial : 10 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
TP-86

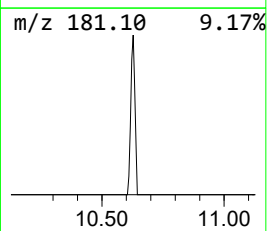
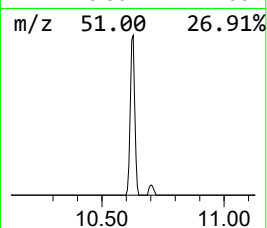
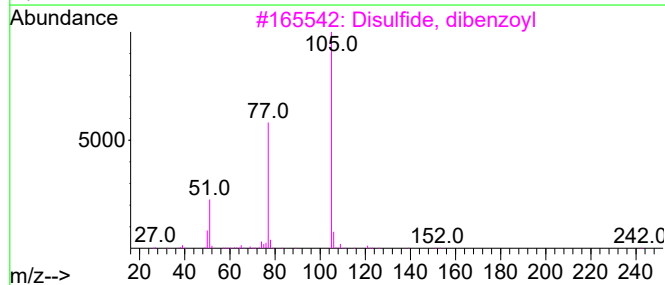
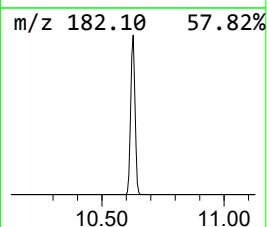
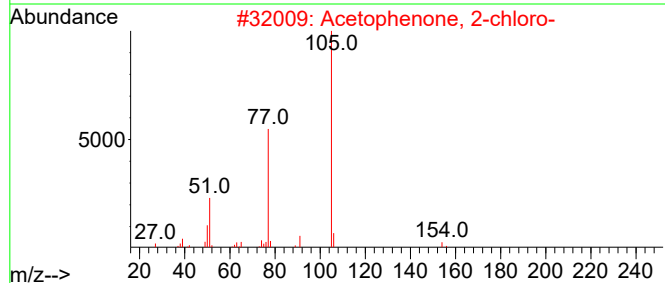
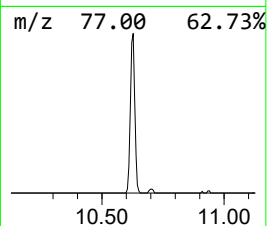
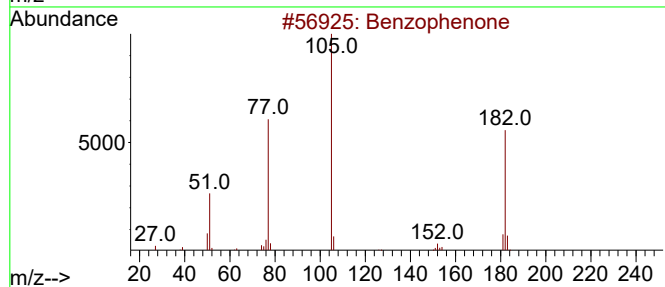
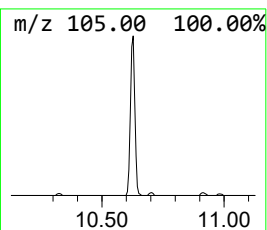
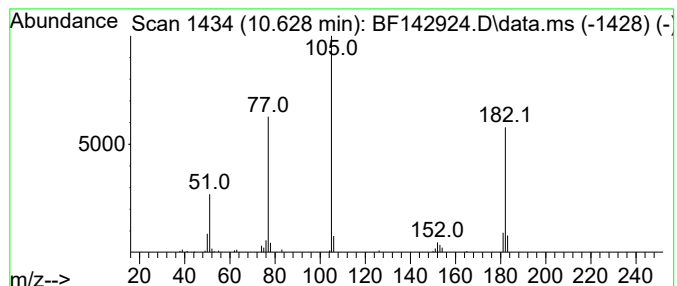
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 2 Benzophenone Concentration Rank 3

R.T.	EstConc	Area	Relative to ISTD	R.T.
10.628	3.29 ng	96975	Acenaphthene-d10	9.916

Hit#	of	5	Tentative ID	MW	MolForm	CAS#	Qual
1			Benzophenone	182	C13H10O	000119-61-9	97
2			Acetophenone, 2-chloro-	154	C8H7ClO	000532-27-4	46
3			Disulfide, dibenzoyl	274	C14H10O2S2	000644-32-6	43
4			N-Methylbenzamide, N-trifluoroac...	231	C10H8F3NO2	1000446-91-5	43
5			N-Methylbenzamide, N-chlorodiflu...	247	C10H8ClF2NO2	1000446-98-2	43



Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF063025\
Data File : BF142924.D
Acq On : 30 Jun 2025 19:44
Operator : RC/JU
Sample : Q2436-04
Misc :
ALS Vial : 10 Sample Multiplier: 1

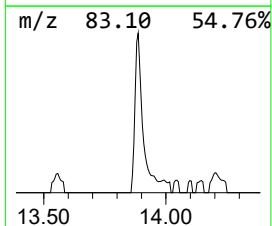
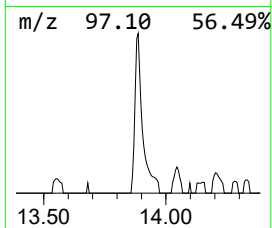
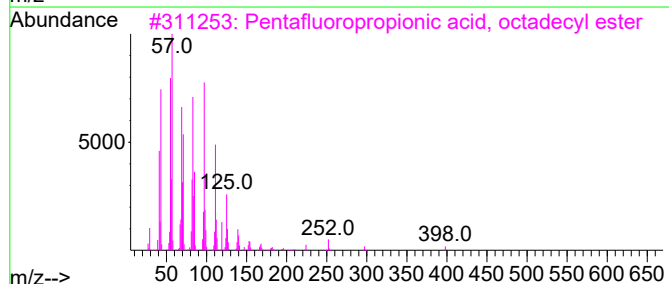
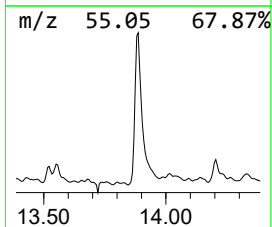
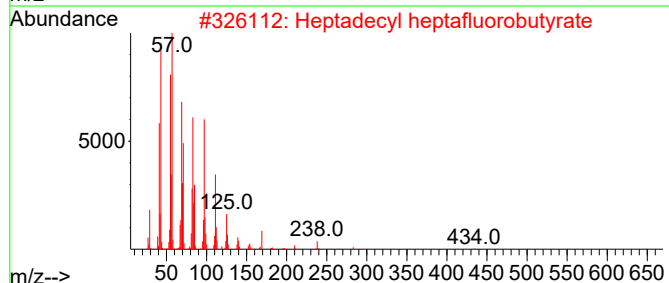
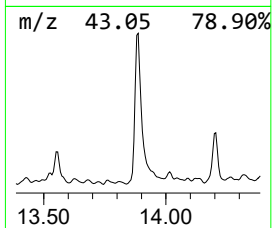
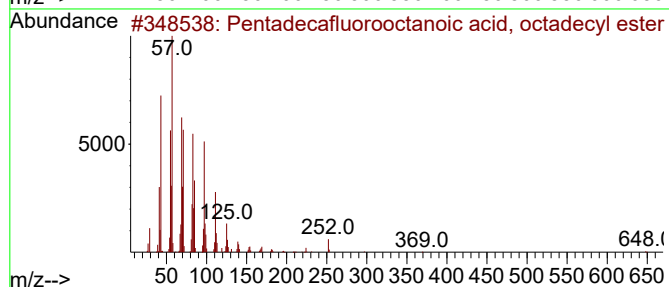
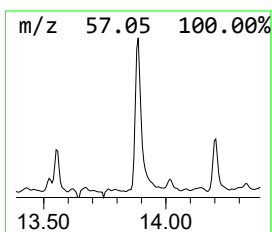
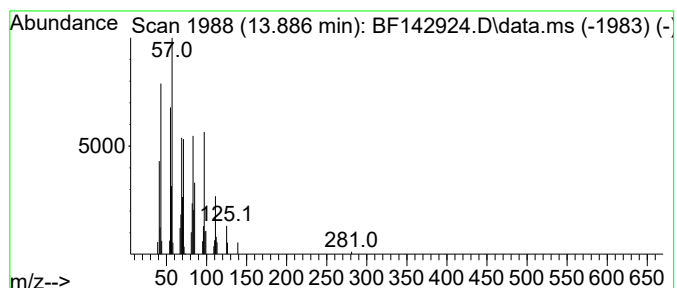
Instrument :
BNA_F
ClientSampleId :
TP-86

Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF061925.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 3 Pentadecafluorooctanoic aci... Concentration Rank 2

R.T.	EstConc	Area	Relative to ISTD	R.T.	
13.886	3.94 ng	72935	Chrysene-d12	14.045	
Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Pentadecafluorooctanoic acid, oc...	666	C26H37F15O2	1000406-04-8	95
2	Heptadecyl heptafluorobutyrate	452	C21H35F7O2	959085-66-6	91
3	Pentafluoropropionic acid, octad...	416	C21H37F5O2	959261-25-7	91
4	Heptafluorobutyric acid, n-octad...	466	C22H37F7O2	000400-57-7	91
5	17-Pentatriacontene	491	C35H70	006971-40-0	91



Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF063025\
Data File : BF142924.D
Acq On : 30 Jun 2025 19:44
Operator : RC/JU
Sample : Q2436-04
Misc :
ALS Vial : 10 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
TP-86

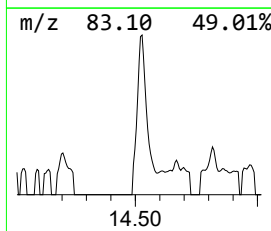
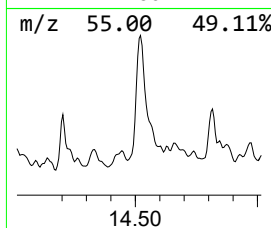
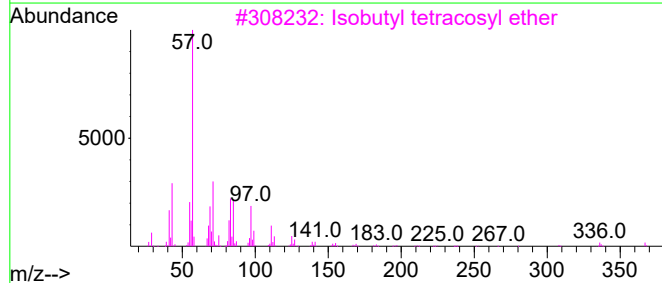
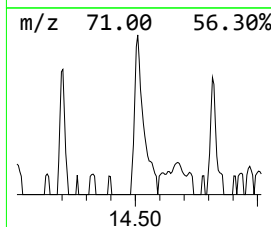
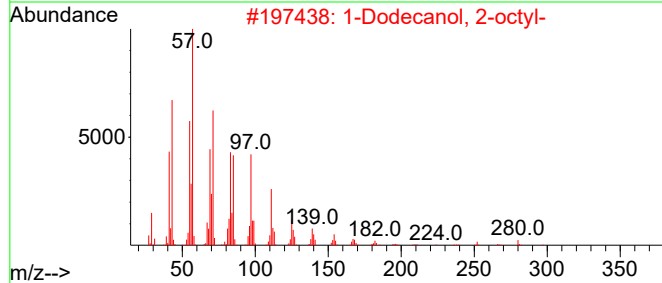
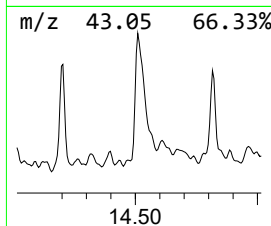
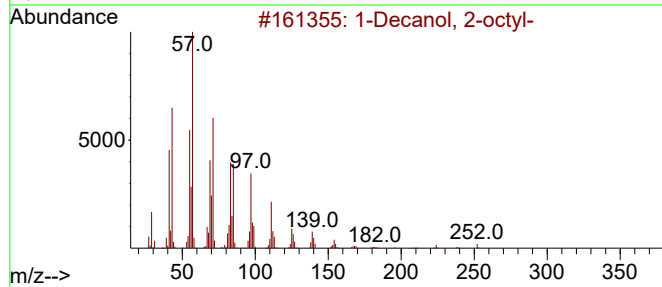
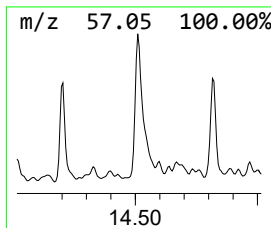
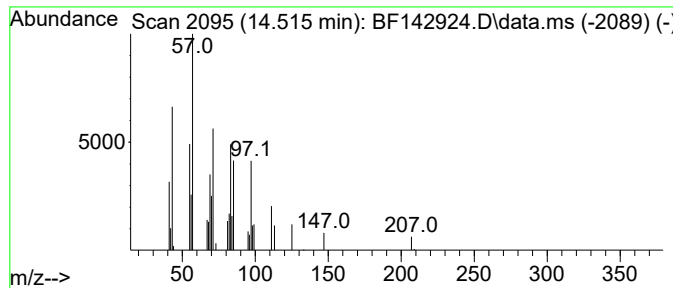
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 4 1-Decanol, 2-octyl- Concentration Rank 4

R.T.	EstConc	Area	Relative to ISTD	R.T.
14.515	2.30 ng	42542	Chrysene-d12	14.045

Hit#	of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	1-Decanol, 2-octyl-	270	C18H38O	045235-48-1	91	
2	1-Dodecanol, 2-octyl-	298	C20H42O	005333-42-6	91	
3	Isobutyl tetracosyl ether	410	C28H58O	1000406-33-2	90	
4	Eicosyl isobutyl ether	354	C24H50O	1000406-33-0	90	
5	1-Dodecanol, 2-hexyl-	270	C18H38O	110225-00-8	86	



Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF063025\
Data File : BF142924.D
Acq On : 30 Jun 2025 19:44
Operator : RC/JU
Sample : Q2436-04
Misc :
ALS Vial : 10 Sample Multiplier: 1

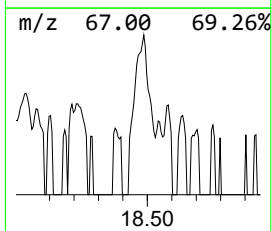
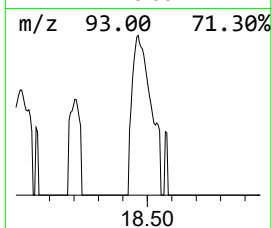
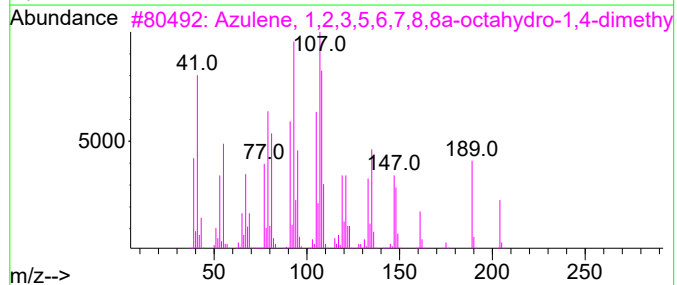
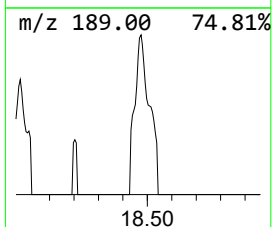
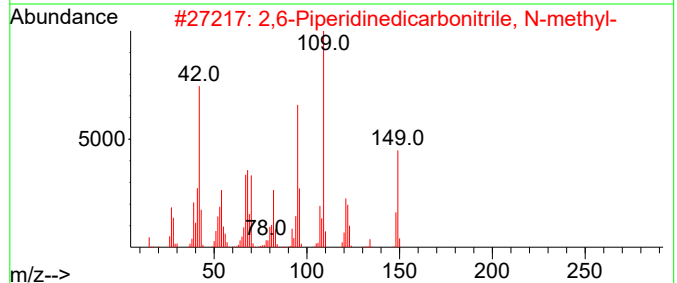
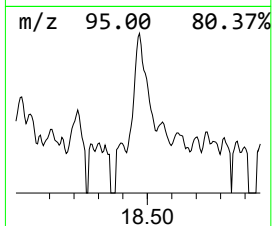
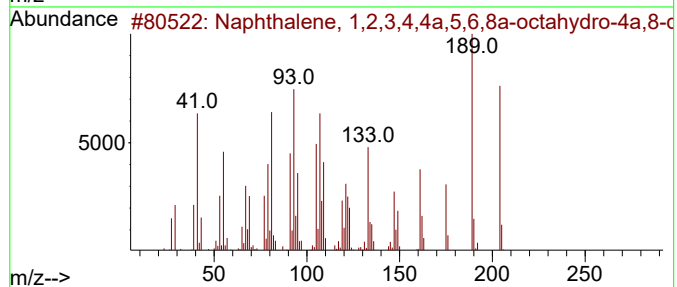
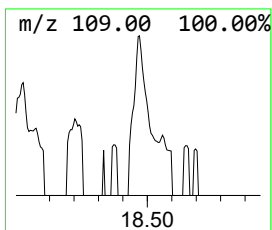
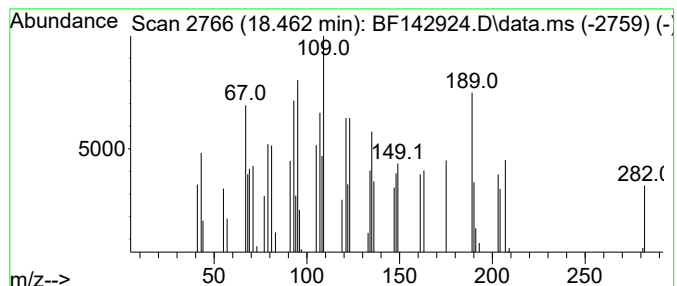
Instrument :
BNA_F
ClientSampleId :
TP-86

Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF061925.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 5 unknown18.462 Concentration Rank 5

R.T.	EstConc	Area	Relative to ISTD	R.T.	
18.462	2.08 ng	44858	Perylene-d12	15.539	
Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Naphthalene, 1,2,3,4,4a,5,6,8a-o...	204	C15H24	000473-13-2	42
2	2,6-Piperidinedicarbonitrile, N-...	149	C8H11N3	090090-68-9	30
3	Azulene, 1,2,3,5,6,7,8,8a-octahy...	204	C15H24	003691-11-0	27
4	Isolongifolol	222	C15H26O	001139-17-9	27
5	Guaia-9,11-diene	204	C15H24	1000374-19-8	22



Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF063025\
Data File : BF142924.D
Acq On : 30 Jun 2025 19:44
Operator : RC/JU
Sample : Q2436-04
Misc :
ALS Vial : 10 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
TP-86

Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF061925.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

TIC Top Hit name	RT	EstConc	Units	Response	--Internal Standard--			
					#	RT	Resp	Conc
2-Pentanone, 4-...	5.087	6.0	ng	123604	1	6.875	415795	20.0
Benzophenone	10.628	3.3	ng	96975	3	9.916	588734	20.0
Pentadecafluoro...	13.886	3.9	ng	72935	5	14.045	370053	20.0
1-Decanol, 2-oc...	14.515	2.3	ng	42542	5	14.045	370053	20.0
unknown18.462	18.462	2.1	ng	44858	6	15.539	432015	20.0

Report of Analysis

Client:	CDM Smith	Date Collected:	06/25/25
Project:	South River WM Replacement	Date Received:	06/26/25
Client Sample ID:	TP-84	SDG No.:	Q2436
Lab Sample ID:	Q2436-05	Matrix:	SOIL
Analytical Method:	8270E	% Solid:	92.3
Sample Wt/Vol:	30.03 Units: g	Final Vol:	1000 uL
Soil Aliquot Vol:	uL	Test:	SVOC-TCL BNA -20
Extraction Type :	Decanted : N	Level :	LOW
Injection Volume :	GPC Factor : 1.0	GPC Cleanup :	N PH :
Prep Method :	SW3541		

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
BF142929.D	1	06/27/25 11:20	06/30/25 22:15	PB168649

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units(Dry Weight)
TARGETS						
100-52-7	Benzaldehyde	170	U	170	360	ug/Kg
108-95-2	Phenol	23.9	U	23.9	180	ug/Kg
111-44-4	bis(2-Chloroethyl)ether	26.3	U	26.3	180	ug/Kg
95-57-8	2-Chlorophenol	26.4	U	26.4	180	ug/Kg
95-48-7	2-Methylphenol	32.4	U	32.4	180	ug/Kg
108-60-1	2,2-oxybis(1-Chloropropane)	40.6	U	40.6	180	ug/Kg
98-86-2	Acetophenone	31.9	U	31.9	180	ug/Kg
65794-96-9	3+4-Methylphenols	44.5	U	44.5	360	ug/Kg
621-64-7	n-Nitroso-di-n-propylamine	51.3	U	51.3	86.6	ug/Kg
67-72-1	Hexachloroethane	19.0	U	19.0	180	ug/Kg
98-95-3	Nitrobenzene	19.8	U	19.8	180	ug/Kg
78-59-1	Isophorone	35.5	U	35.5	180	ug/Kg
88-75-5	2-Nitrophenol	63.0	U	63.0	180	ug/Kg
105-67-9	2,4-Dimethylphenol	70.1	U	70.1	180	ug/Kg
111-91-1	bis(2-Chloroethoxy)methane	33.3	U	33.3	180	ug/Kg
120-83-2	2,4-Dichlorophenol	30.6	U	30.6	180	ug/Kg
91-20-3	Naphthalene	24.6	U	24.6	180	ug/Kg
106-47-8	4-Chloroaniline	38.3	U	38.3	180	ug/Kg
87-68-3	Hexachlorobutadiene	27.4	U	27.4	180	ug/Kg
105-60-2	Caprolactam	56.4	U	56.4	360	ug/Kg
59-50-7	4-Chloro-3-methylphenol	31.1	U	31.1	180	ug/Kg
91-57-6	2-Methylnaphthalene	27.7	U	27.7	180	ug/Kg
77-47-4	Hexachlorocyclopentadiene	130	U	130	360	ug/Kg
88-06-2	2,4,6-Trichlorophenol	21.4	U	21.4	180	ug/Kg
95-95-4	2,4,5-Trichlorophenol	31.5	U	31.5	180	ug/Kg
92-52-4	1,1-Biphenyl	23.6	U	23.6	180	ug/Kg
91-58-7	2-Chloronaphthalene	24.4	U	24.4	180	ug/Kg
88-74-4	2-Nitroaniline	52.1	U	52.1	180	ug/Kg
131-11-3	Dimethylphthalate	29.3	U	29.3	180	ug/Kg

Report of Analysis

Client:	CDM Smith	Date Collected:	06/25/25
Project:	South River WM Replacement	Date Received:	06/26/25
Client Sample ID:	TP-84	SDG No.:	Q2436
Lab Sample ID:	Q2436-05	Matrix:	SOIL
Analytical Method:	8270E	% Solid:	92.3
Sample Wt/Vol:	30.03 Units: g	Final Vol:	1000 uL
Soil Aliquot Vol:	uL	Test:	SVOC-TCL BNA -20
Extraction Type :	Decanted : N	Level :	LOW
Injection Volume :	GPC Factor : 1.0	GPC Cleanup :	N PH :
Prep Method :	SW3541		

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
BF142929.D	1	06/27/25 11:20	06/30/25 22:15	PB168649

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units(Dry Weight)
208-96-8	Acenaphthylene	31.3	U	31.3	180	ug/Kg
606-20-2	2,6-Dinitrotoluene	36.4	U	36.4	180	ug/Kg
99-09-2	3-Nitroaniline	49.8	U	49.8	180	ug/Kg
83-32-9	Acenaphthene	23.1	U	23.1	180	ug/Kg
51-28-5	2,4-Dinitrophenol	250	U	250	360	ug/Kg
100-02-7	4-Nitrophenol	120	U	120	360	ug/Kg
132-64-9	Dibenzofuran	24.6	U	24.6	180	ug/Kg
121-14-2	2,4-Dinitrotoluene	54.2	U	54.2	180	ug/Kg
84-66-2	Diethylphthalate	30.6	U	30.6	180	ug/Kg
7005-72-3	4-Chlorophenyl-phenylether	28.9	U	28.9	180	ug/Kg
86-73-7	Fluorene	27.4	U	27.4	180	ug/Kg
100-01-6	4-Nitroaniline	69.5	U	69.5	180	ug/Kg
534-52-1	4,6-Dinitro-2-methylphenol	110	U	110	360	ug/Kg
86-30-6	n-Nitrosodiphenylamine	35.6	U	35.6	180	ug/Kg
101-55-3	4-Bromophenyl-phenylether	30.1	U	30.1	180	ug/Kg
118-74-1	Hexachlorobenzene	27.4	U	27.4	180	ug/Kg
1912-24-9	Atrazine	36.8	U	36.8	180	ug/Kg
87-86-5	Pentachlorophenol	55.5	U	55.5	360	ug/Kg
85-01-8	Phenanthrene	22.6	U	22.6	180	ug/Kg
120-12-7	Anthracene	36.0	U	36.0	180	ug/Kg
86-74-8	Carbazole	33.8	U	33.8	180	ug/Kg
84-74-2	Di-n-butylphthalate	51.8	U	51.8	180	ug/Kg
206-44-0	Fluoranthene	32.5	U	32.5	180	ug/Kg
129-00-0	Pyrene	39.0	U	39.0	180	ug/Kg
85-68-7	Butylbenzylphthalate	77.3	U	77.3	180	ug/Kg
91-94-1	3,3-Dichlorobenzidine	39.7	U	39.7	360	ug/Kg
56-55-3	Benzo(a)anthracene	24.9	U	24.9	180	ug/Kg
218-01-9	Chrysene	21.5	U	21.5	180	ug/Kg
117-81-7	Bis(2-ethylhexyl)phthalate	64.1	U	64.1	180	ug/Kg
117-84-0	Di-n-octyl phthalate	93.9	U	93.9	360	ug/Kg
205-99-2	Benzo(b)fluoranthene	20.6	U	20.6	180	ug/Kg

Report of Analysis

Client:	CDM Smith	Date Collected:	06/25/25
Project:	South River WM Replacement	Date Received:	06/26/25
Client Sample ID:	TP-84	SDG No.:	Q2436
Lab Sample ID:	Q2436-05	Matrix:	SOIL
Analytical Method:	8270E	% Solid:	92.3
Sample Wt/Vol:	30.03 Units: g	Final Vol:	1000 uL
Soil Aliquot Vol:	uL	Test:	SVOC-TCL BNA -20
Extraction Type :	Decanted : N	Level :	LOW
Injection Volume :	GPC Factor : 1.0	GPC Cleanup :	N PH :
Prep Method :	SW3541		

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
BF142929.D	1	06/27/25 11:20	06/30/25 22:15	PB168649

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units(Dry Weight)
207-08-9	Benzo(k)fluoranthene	24.2	U	24.2	180	ug/Kg
50-32-8	Benzo(a)pyrene	31.9	U	31.9	180	ug/Kg
193-39-5	Indeno(1,2,3-cd)pyrene	31.5	U	31.5	180	ug/Kg
53-70-3	Dibenzo(a,h)anthracene	29.7	U	29.7	180	ug/Kg
191-24-2	Benzo(g,h,i)perylene	27.8	U	27.8	180	ug/Kg
95-94-3	1,2,4,5-Tetrachlorobenzene	27.7	U	27.7	180	ug/Kg
123-91-1	1,4-Dioxane	48.9	U	48.9	180	ug/Kg
58-90-2	2,3,4,6-Tetrachlorophenol	29.7	U	29.7	180	ug/Kg
SURROGATES						
367-12-4	2-Fluorophenol	87.9		18 - 112	59%	SPK: 150
13127-88-3	Phenol-d6	87.2		15 - 107	58%	SPK: 150
4165-60-0	Nitrobenzene-d5	55.7		18 - 107	56%	SPK: 100
321-60-8	2-Fluorobiphenyl	52.7		20 - 109	53%	SPK: 100
118-79-6	2,4,6-Tribromophenol	81.8		10 - 116	55%	SPK: 150
1718-51-0	Terphenyl-d14	42.4		10 - 105	42%	SPK: 100
INTERNAL STANDARDS						
3855-82-1	1,4-Dichlorobenzene-d4	85300	6.875			
1146-65-2	Naphthalene-d8	316000	8.157			
15067-26-2	Acenaphthene-d10	159000	9.916			
1517-22-2	Phenanthrene-d10	249000	11.404			
1719-03-5	Chrysene-d12	161000	14.045			
1520-96-3	Perylene-d12	196000	15.539			
TENTATIVE IDENTIFIED COMPOUNDS						
000123-42-2	2-Pentanone, 4-hydroxy-4-methyl-	240	AB		5.09	ug/Kg
000119-61-9	Benzophenone	130	J		10.6	ug/Kg
1000351-75-1	Tricosyl trifluoroacetate	150	J		13.9	ug/Kg
000791-28-6	Triphenylphosphine oxide	72.9	J		14.1	ug/Kg

Report of Analysis

Client:	CDM Smith	Date Collected:	06/25/25
Project:	South River WM Replacement	Date Received:	06/26/25
Client Sample ID:	TP-84	SDG No.:	Q2436
Lab Sample ID:	Q2436-05	Matrix:	SOIL
Analytical Method:	8270E	% Solid:	92.3
Sample Wt/Vol:	30.03 Units: g	Final Vol:	1000 uL
Soil Aliquot Vol:	uL	Test:	SVOC-TCL BNA -20
Extraction Type :	Decanted : N	Level :	LOW
Injection Volume :	GPC Factor : 1.0	GPC Cleanup :	N PH :
Prep Method :	SW3541		

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
BF142929.D	1	06/27/25 11:20	06/30/25 22:15	PB168649

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\BF063025\
Data File : BF142929.D
Acq On : 30 Jun 2025 22:15
Operator : RC/JU
Sample : Q2436-05
Misc :
ALS Vial : 15 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
TP-84

Quant Time: Jul 01 01:25:36 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF061925.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Tue Jun 24 05:28:21 2025
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) 1,4-Dichlorobenzene-d4	6.875	152	85331	20.000	ng	0.00
21) Naphthalene-d8	8.157	136	316172	20.000	ng	-0.01
39) Acenaphthene-d10	9.916	164	159254	20.000	ng	0.00
64) Phenanthrene-d10	11.404	188	249233	20.000	ng	0.00
76) Chrysene-d12	14.045	240	161494	20.000	ng	-0.01
86) Perylene-d12	15.539	264	195795	20.000	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.498	112	450284	87.857	ng	0.00
7) Phenol-d6	6.504	99	527501	87.237	ng	0.00
23) Nitrobenzene-d5	7.434	82	320893	55.670	ng	-0.01
42) 2,4,6-Tribromophenol	10.704	330	133976	81.751	ng	-0.01
45) 2-Fluorobiphenyl	9.233	172	639464	52.749	ng	-0.01
79) Terphenyl-d14	12.986	244	495576	42.400	ng	-0.01

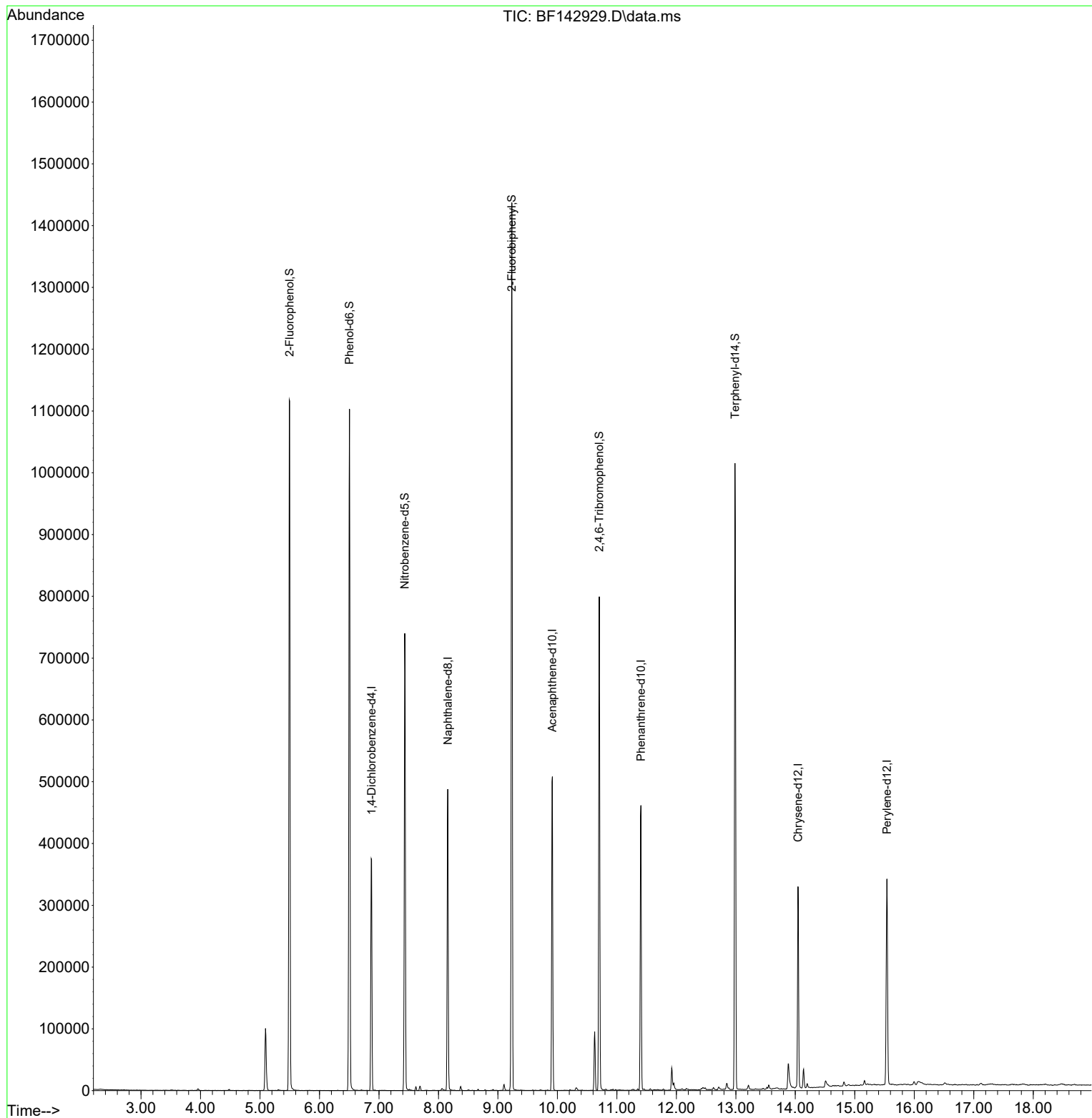
Target Compounds	Qvalue

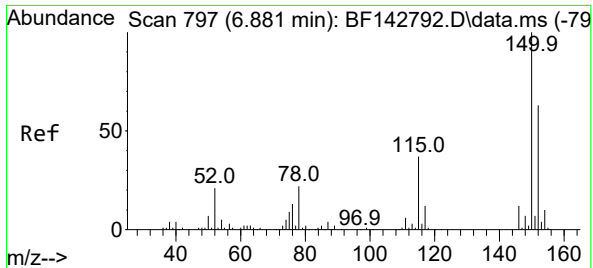
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF063025\
Data File : BF142929.D
Acq On : 30 Jun 2025 22:15
Operator : RC/JU
Sample : Q2436-05
Misc :
ALS Vial : 15 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
TP-84

Quant Time: Jul 01 01:25:36 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF061925.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Tue Jun 24 05:28:21 2025
Response via : Initial Calibration

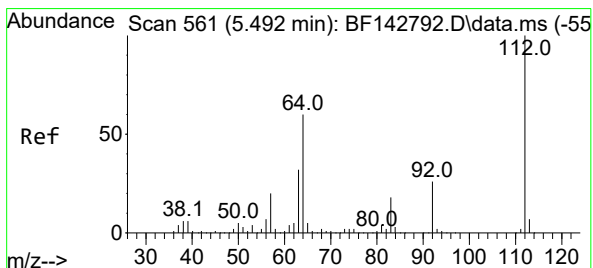
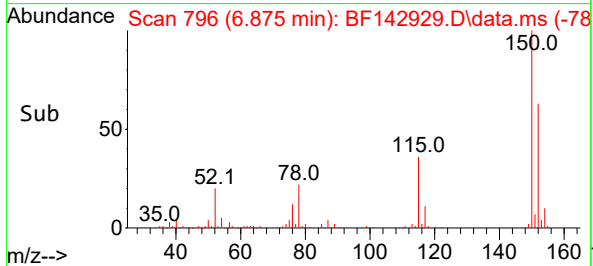
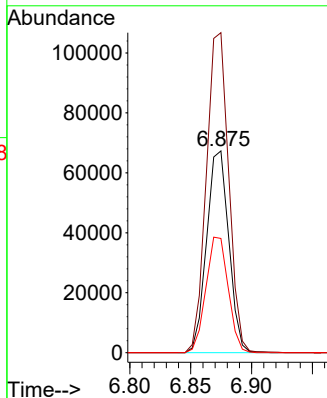
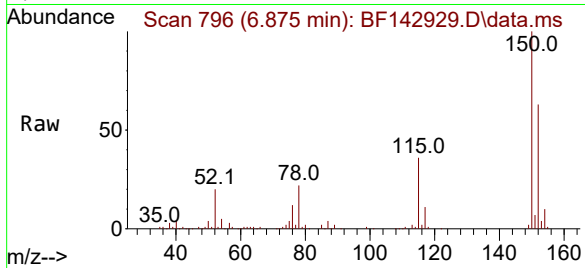




#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.875 min Scan# 79
Delta R.T. -0.006 min
Lab File: BF142929.D
Acq: 30 Jun 2025 22:15

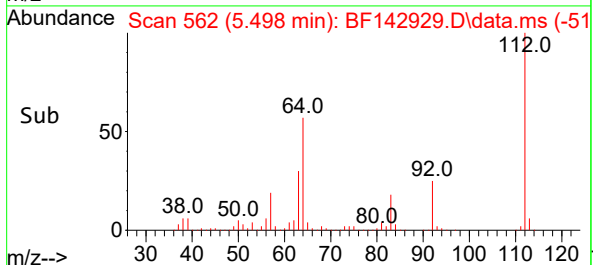
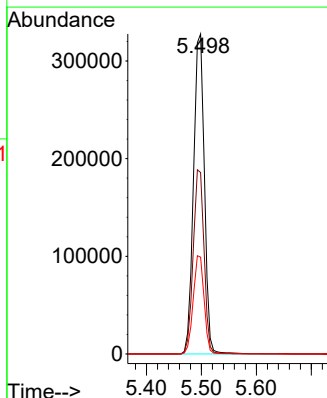
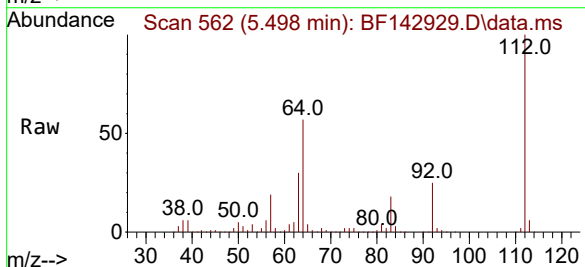
Instrument :
BNA_F
ClientSampleId :
TP-84

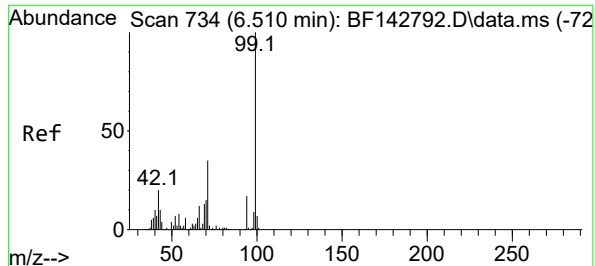
Tgt Ion:152 Resp: 85331
Ion Ratio Lower Upper
152 100
150 158.6 127.2 190.8
115 56.6 46.6 69.8



#5
2-Fluorophenol
Concen: 87.857 ng
RT: 5.498 min Scan# 562
Delta R.T. 0.006 min
Lab File: BF142929.D
Acq: 30 Jun 2025 22:15

Tgt Ion:112 Resp: 450284
Ion Ratio Lower Upper
112 100
64 56.7 48.2 72.2
63 30.2 25.7 38.5

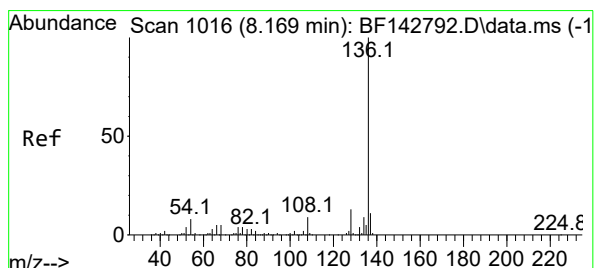
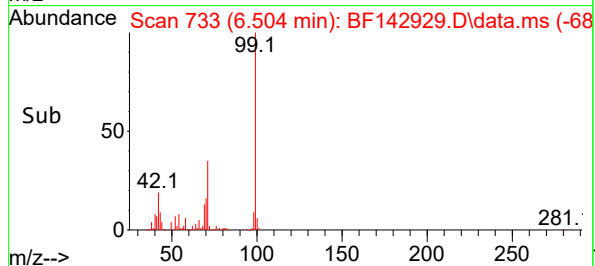
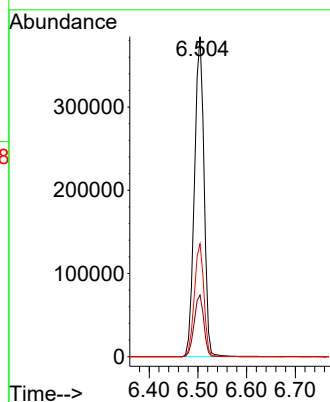
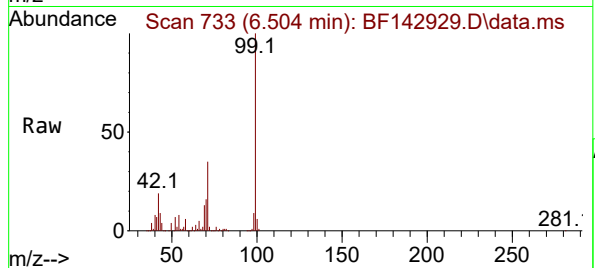




#7
Phenol-d6
Concen: 87.237 ng
RT: 6.504 min Scan# 71
Delta R.T. -0.006 min
Lab File: BF142929.D
Acq: 30 Jun 2025 22:15

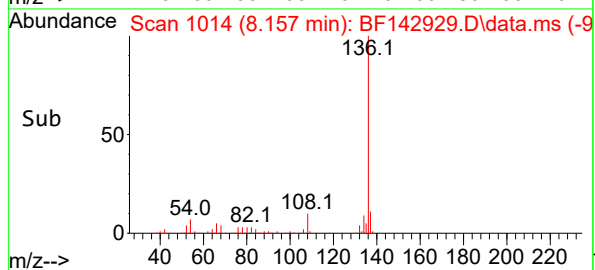
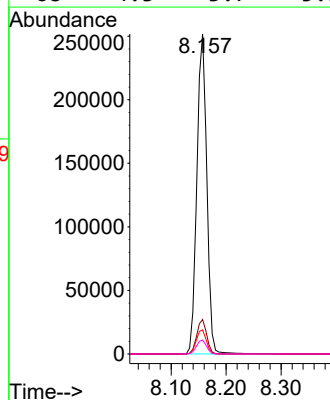
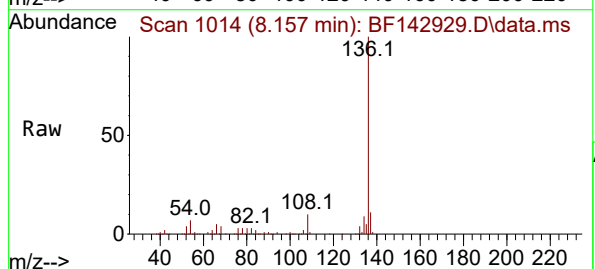
Instrument :
BNA_F
ClientSampleId :
TP-84

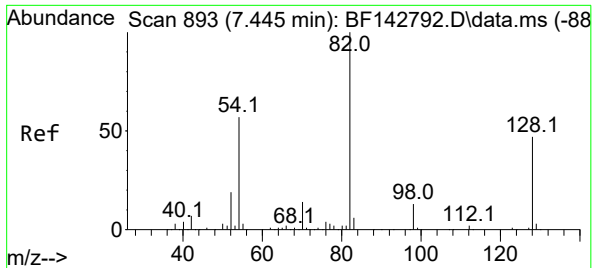
Tgt Ion: 99 Resp: 527501
Ion Ratio Lower Upper
99 100
42 19.2 15.9 23.9
71 35.3 27.8 41.8



#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.157 min Scan# 1014
Delta R.T. -0.012 min
Lab File: BF142929.D
Acq: 30 Jun 2025 22:15

Tgt Ion: 136 Resp: 316172
Ion Ratio Lower Upper
136 100
137 10.7 8.4 12.6
54 7.5 6.3 9.5
68 4.3 3.7 5.5





#23

Nitrobenzene-d5

Concen: 55.670 ng

RT: 7.434 min Scan# 89

Delta R.T. -0.011 min

Lab File: BF142929.D

Acq: 30 Jun 2025 22:15

Instrument :

BNA_F

ClientSampleId :

TP-84

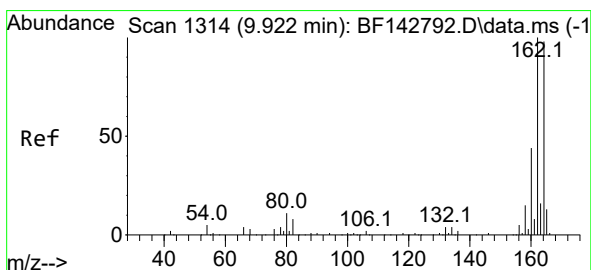
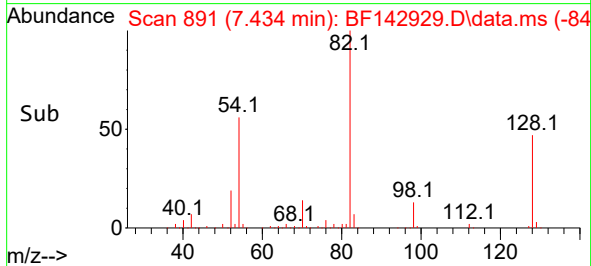
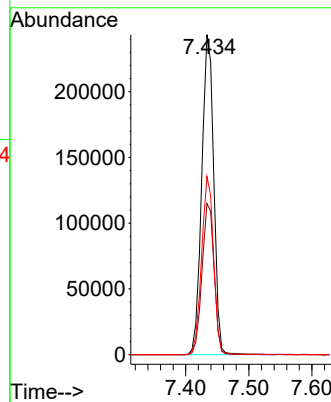
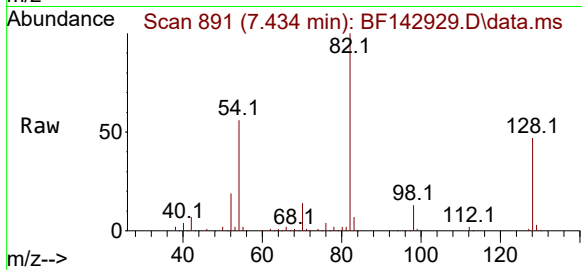
Tgt Ion: 82 Resp: 320893

Ion Ratio Lower Upper

82 100

128 47.2 37.7 56.5

54 55.7 45.7 68.5



#39

Acenaphthene-d10

Concen: 20.000 ng

RT: 9.916 min Scan# 1313

Delta R.T. -0.006 min

Lab File: BF142929.D

Acq: 30 Jun 2025 22:15

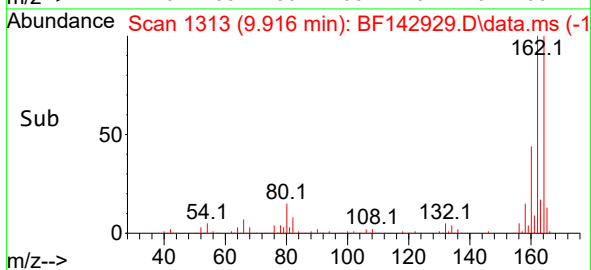
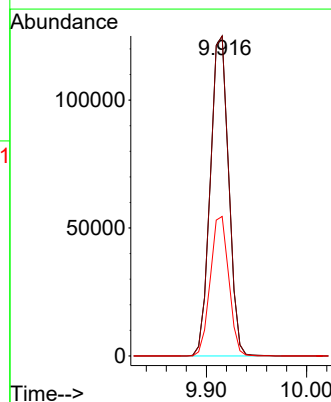
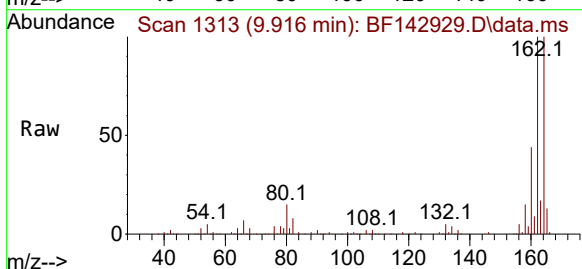
Tgt Ion:164 Resp: 159254

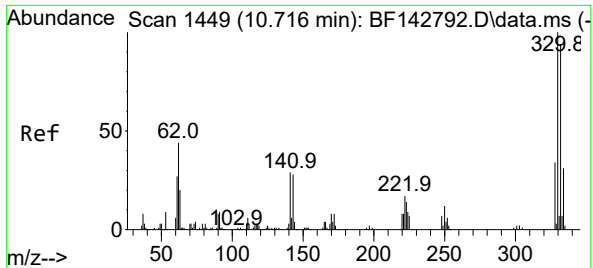
Ion Ratio Lower Upper

164 100

162 99.9 81.8 122.8

160 43.6 36.0 54.0





#42

2,4,6-Tribromophenol

Concen: 81.751 ng

RT: 10.704 min Scan# 1447

Delta R.T. -0.012 min

Lab File: BF142929.D

Acq: 30 Jun 2025 22:15

Instrument :

BNA_F

ClientSampleId :

TP-84

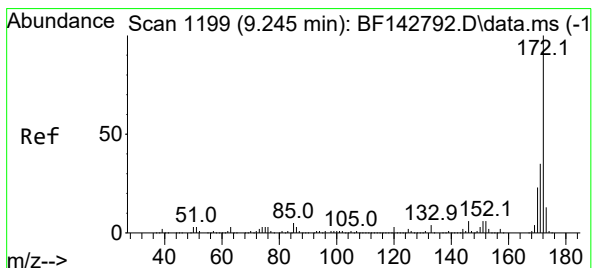
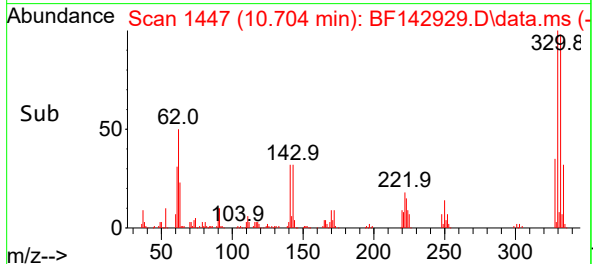
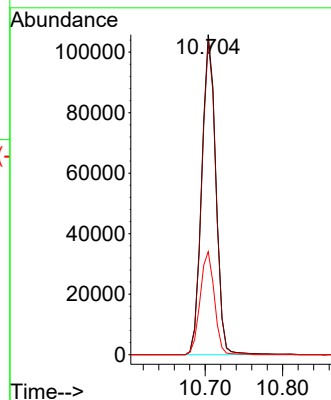
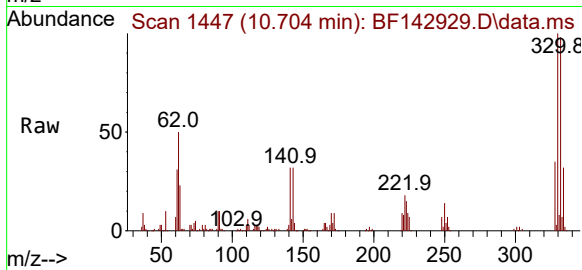
Tgt Ion:330 Resp: 133976

Ion Ratio Lower Upper

330 100

332 97.9 75.0 112.6

141 32.4 25.3 37.9



#45

2-Fluorobiphenyl

Concen: 52.749 ng

RT: 9.233 min Scan# 1197

Delta R.T. -0.012 min

Lab File: BF142929.D

Acq: 30 Jun 2025 22:15

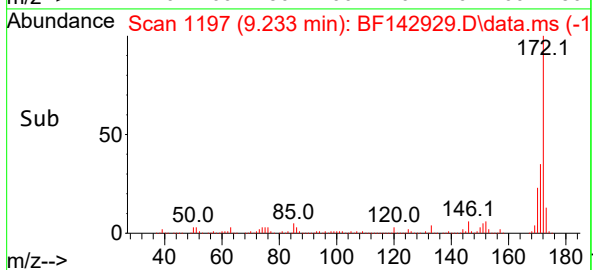
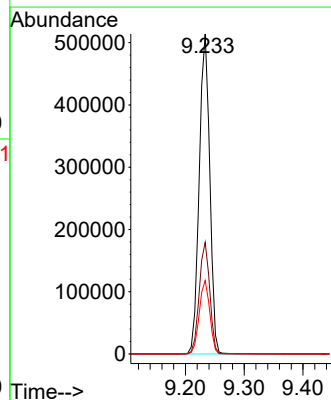
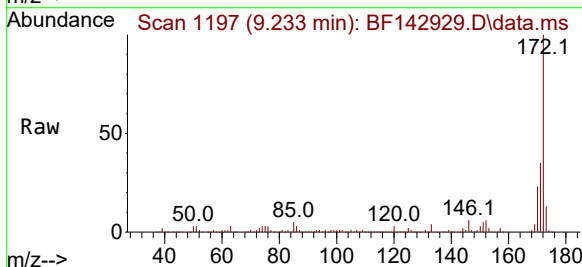
Tgt Ion:172 Resp: 639464

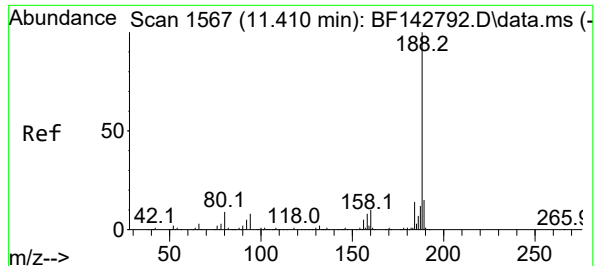
Ion Ratio Lower Upper

172 100

171 34.9 28.2 42.4

170 22.9 18.5 27.7





#64

Phenanthrene-d10

Concen: 20.000 ng

RT: 11.404 min Scan# 1

Delta R.T. -0.006 min

Lab File: BF142929.D

Acq: 30 Jun 2025 22:15

Instrument :

BNA_F

ClientSampleId :

TP-84

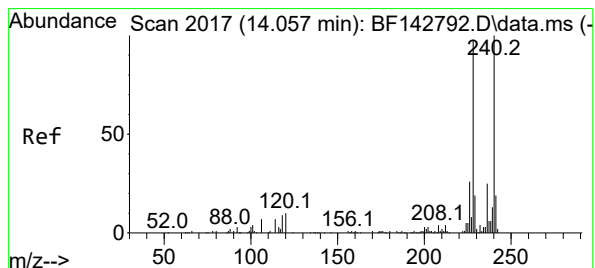
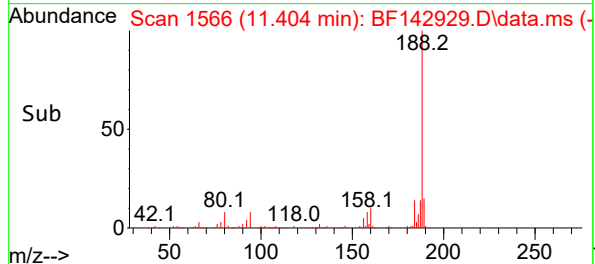
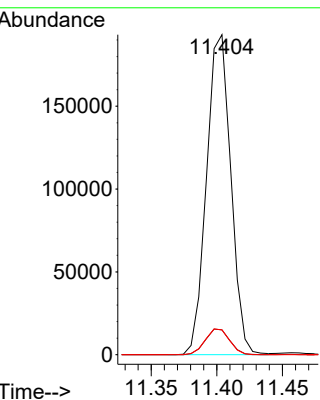
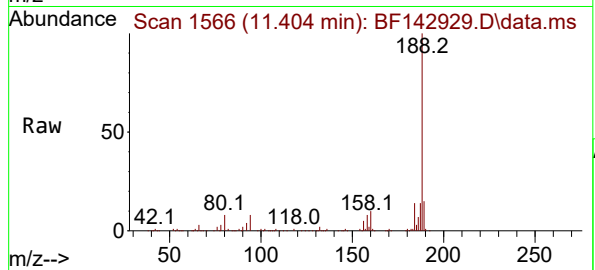
Tgt Ion:188 Resp: 249233

Ion Ratio Lower Upper

188 100

94 7.7 6.7 10.1

80 7.7 6.9 10.3



#76

Chrysene-d12

Concen: 20.000 ng

RT: 14.045 min Scan# 2015

Delta R.T. -0.012 min

Lab File: BF142929.D

Acq: 30 Jun 2025 22:15

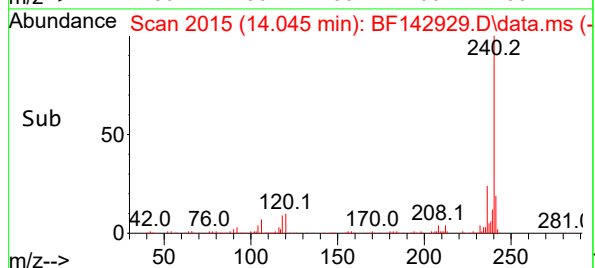
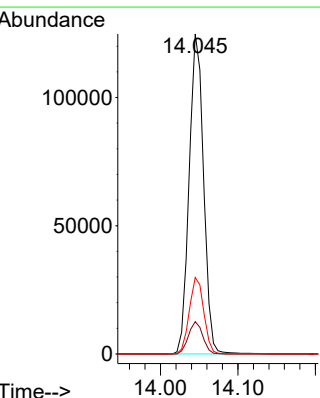
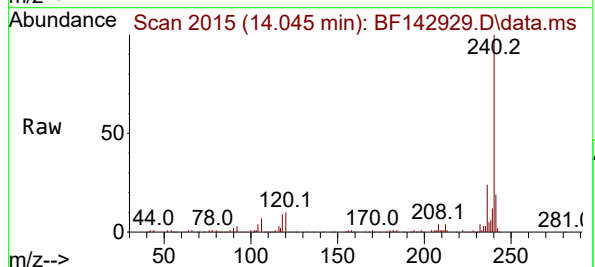
Tgt Ion:240 Resp: 161494

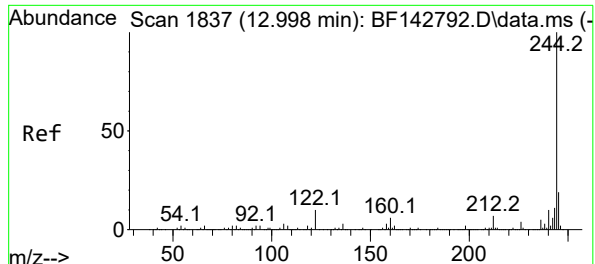
Ion Ratio Lower Upper

240 100

120 10.1 8.2 12.2

236 23.9 19.8 29.8





#79

Terphenyl-d14

Concen: 42.400 ng

RT: 12.986 min Scan# 1835

Delta R.T. -0.012 min

Lab File: BF142929.D

Acq: 30 Jun 2025 22:15

Instrument :

BNA_F

ClientSampleId :

TP-84

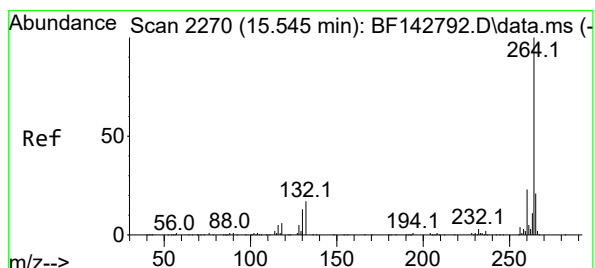
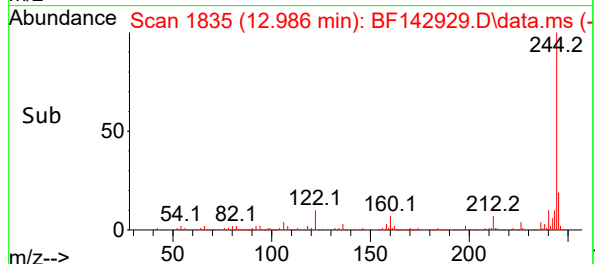
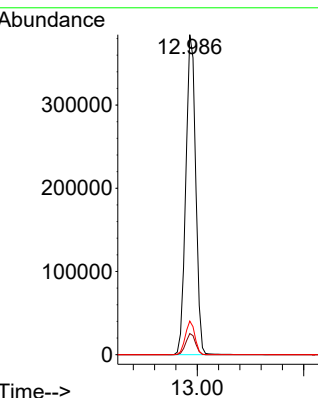
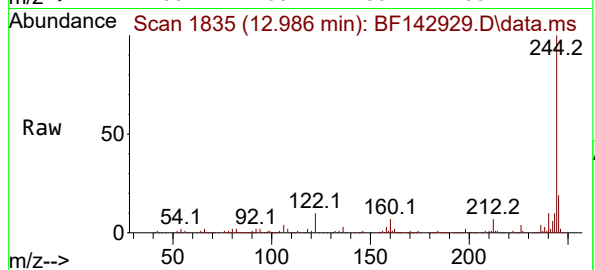
Tgt Ion:244 Resp: 495576

Ion Ratio Lower Upper

244 100

212 6.6 5.4 8.0

122 10.5 8.2 12.2



#86

Perylene-d12

Concen: 20.000 ng

RT: 15.539 min Scan# 2269

Delta R.T. -0.006 min

Lab File: BF142929.D

Acq: 30 Jun 2025 22:15

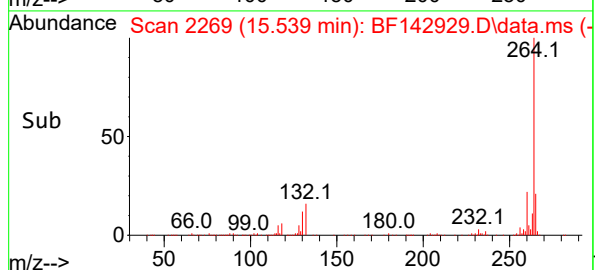
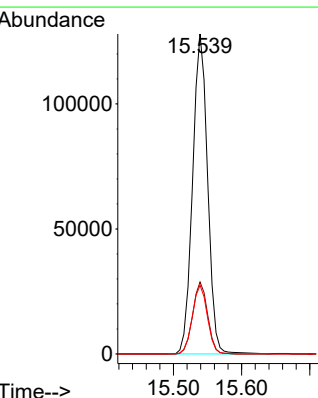
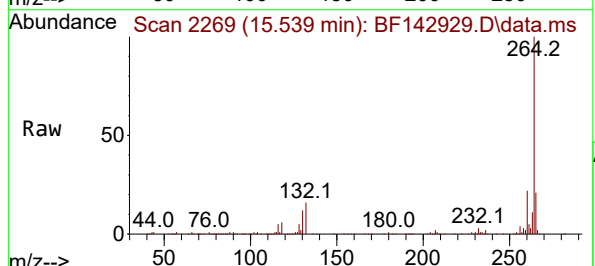
Tgt Ion:264 Resp: 195795

Ion Ratio Lower Upper

264 100

260 22.5 18.1 27.1

265 21.4 16.6 25.0



Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF063025\
Data File : BF142929.D
Acq On : 30 Jun 2025 22:15
Operator : RC/JU
Sample : Q2436-05
Misc :
ALS Vial : 15 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
TP-84

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-BF061925.M

Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

Signal : TIC: BF142929.D\data.ms

peak #	R.T. min	first scan	max scan	last scan	PK TY	peak height	corr. area	corr. % max.	% of total
1	5.093	485	493	509	rBV	100542	157792	8.79%	1.333%
2	5.492	556	561	576	rBV	1117953	1543584	85.98%	13.043%
3	6.504	726	733	738	rBV	1102971	1509484	84.08%	12.754%
4	6.869	791	795	801	rBV	375330	478611	26.66%	4.044%
5	7.434	885	891	896	rBV	739896	968645	53.95%	8.185%
6	8.157	1008	1014	1019	rBV	487539	606541	33.78%	5.125%
7	9.233	1190	1197	1202	rBV	1436735	1795360	100.00%	15.170%
8	9.916	1307	1313	1318	rBV	507609	648740	36.13%	5.482%
9	10.627	1429	1434	1440	rVB	94799	117221	6.53%	0.990%
10	10.704	1442	1447	1452	rBV	799034	1003287	55.88%	8.477%
11	11.404	1560	1566	1571	rBV	460789	592043	32.98%	5.002%
12	11.921	1650	1654	1658	rBV	36163	51187	2.85%	0.433%
13	12.986	1830	1835	1840	rBV	1013250	1284052	71.52%	10.850%
14	13.880	1982	1987	1999	rBV	40735	84015	4.68%	0.710%
15	14.045	2010	2015	2025	rVB	325805	417635	23.26%	3.529%
16	14.139	2026	2031	2036	rBV	30153	42262	2.35%	0.357%
17	14.510	2089	2094	2105	rBV5	10137	27521	1.53%	0.233%
18	15.539	2263	2269	2278	rBV	332668	506973	28.24%	4.284%

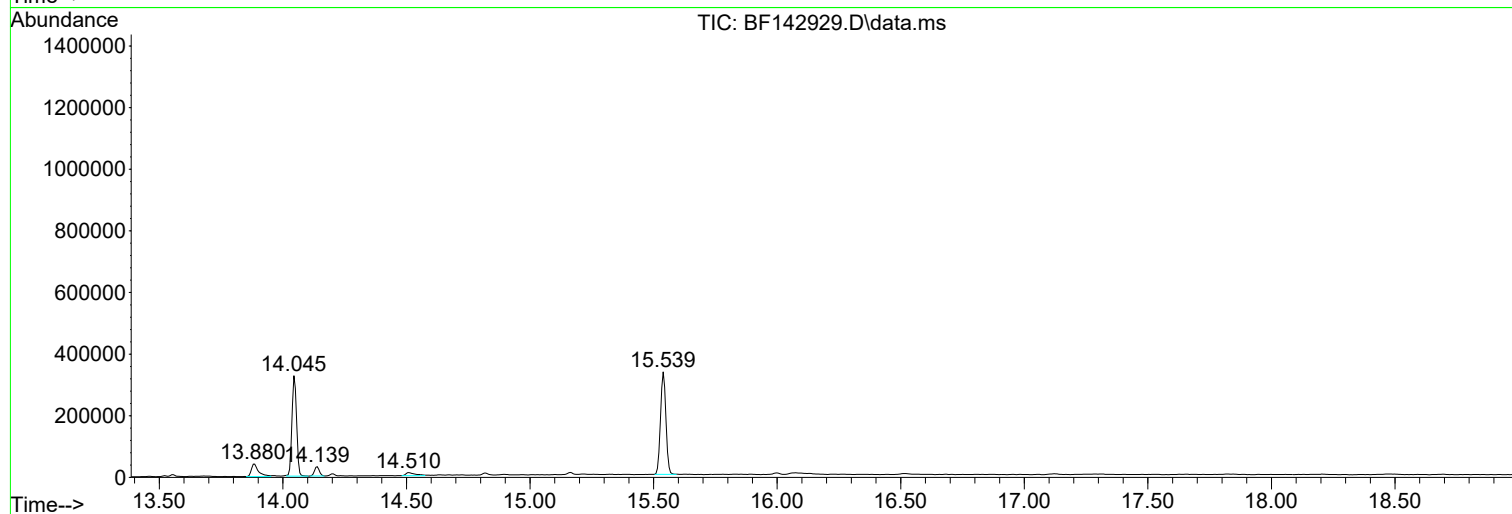
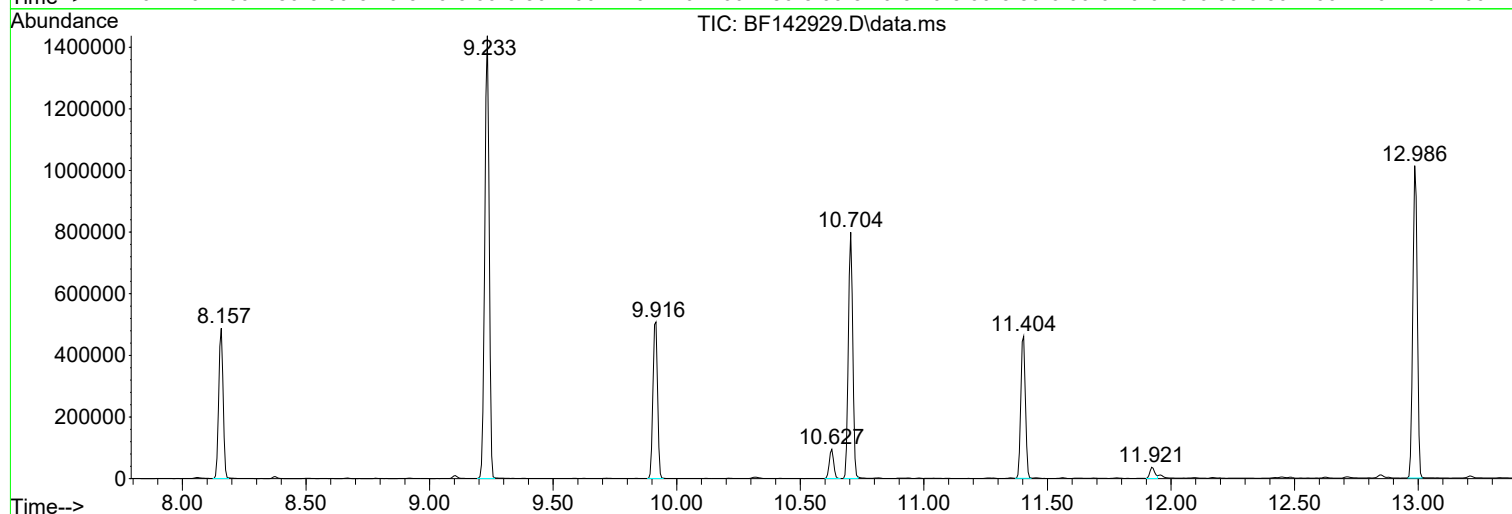
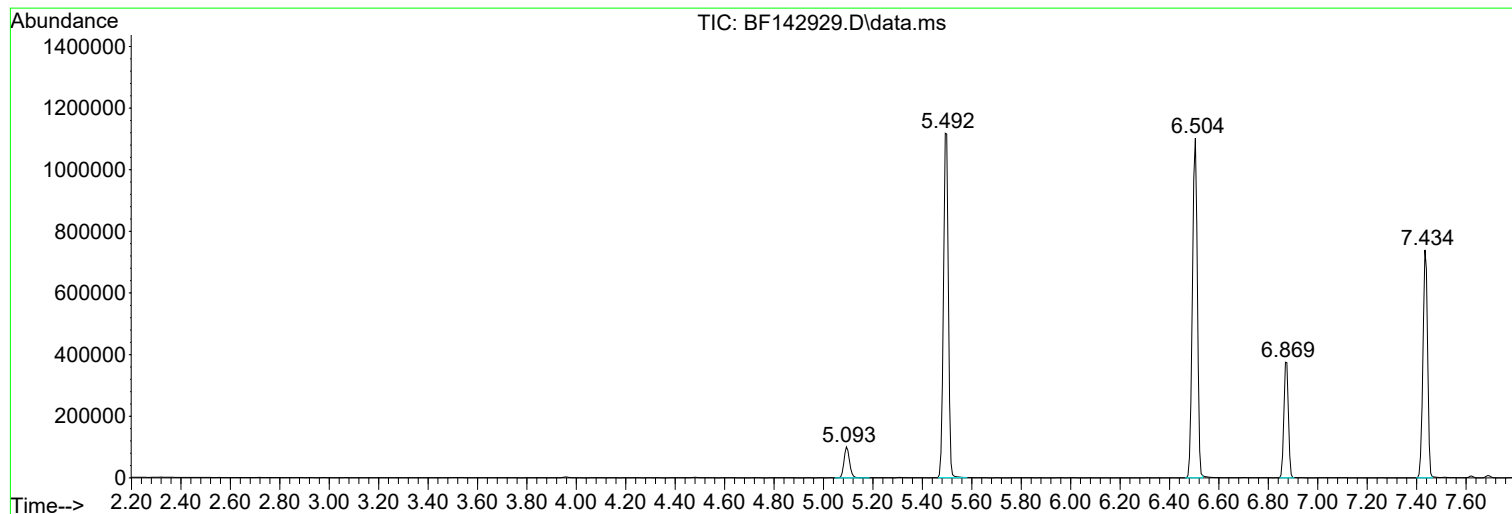
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Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF063025\
Data File : BF142929.D
Acq On : 30 Jun 2025 22:15
Operator : RC/JU
Sample : Q2436-05
Misc :
ALS Vial : 15 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
TP-84

Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF061925.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\BF063025\
Data File : BF142929.D
Acq On : 30 Jun 2025 22:15
Operator : RC/JU
Sample : Q2436-05
Misc :
ALS Vial : 15 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
TP-84

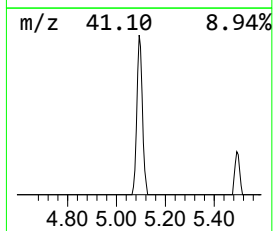
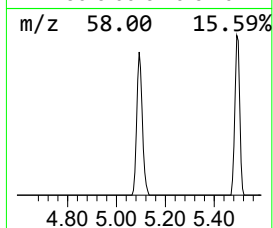
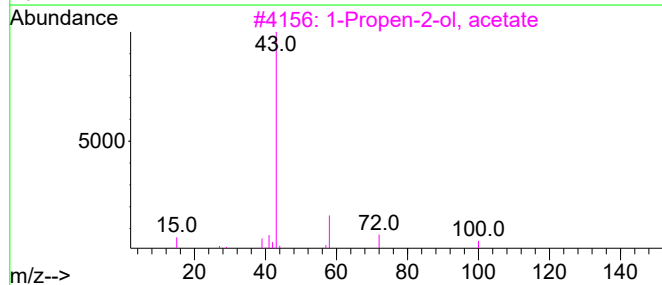
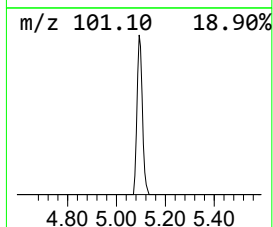
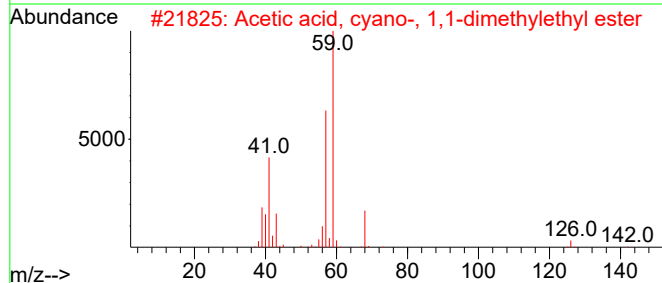
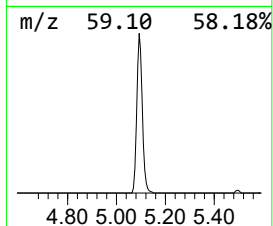
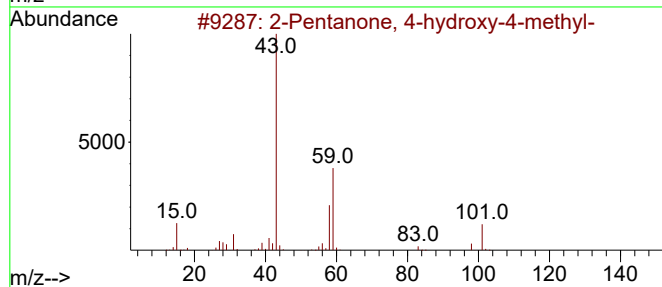
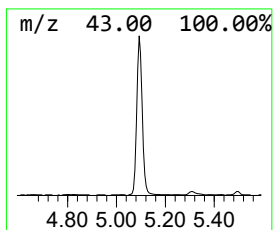
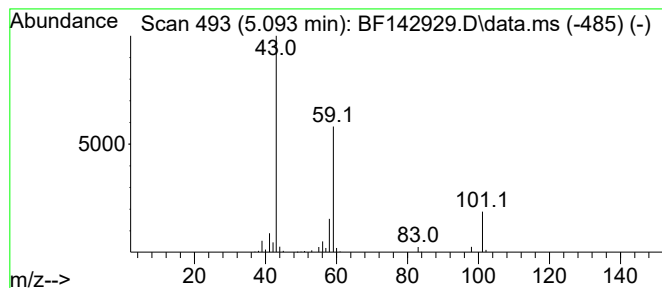
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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.
5.093	6.59 ng	157792	1,4-Dichlorobenzene-d4	6.875

Hit#	of	5	Tentative ID	MW	MolForm	CAS#	Qual
1	2-Pentanone, 4-hydroxy-4-methyl-	116	C6H12O2	000123-42-2	59		
2	Acetic acid, cyano-, 1,1-dimethy...	141	C7H11NO2	001116-98-9	25		
3	1-Propen-2-ol, acetate	100	C5H8O2	000108-22-5	12		
4	2,3-Butanedione, monooxime	101	C4H7NO2	000057-71-6	9		
5	Butane, 1-ethoxy-	102	C6H14O	000628-81-9	9		



Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF063025\
Data File : BF142929.D
Acq On : 30 Jun 2025 22:15
Operator : RC/JU
Sample : Q2436-05
Misc :
ALS Vial : 15 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
TP-84

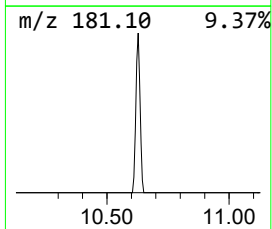
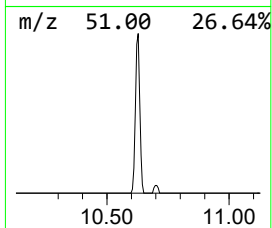
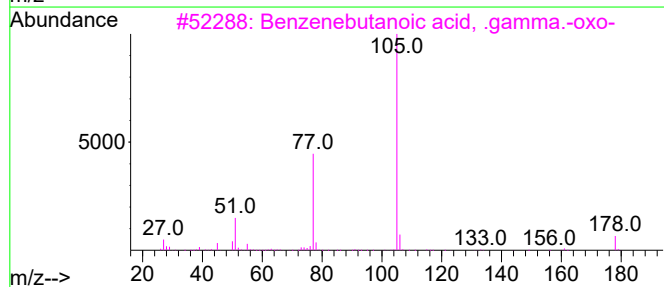
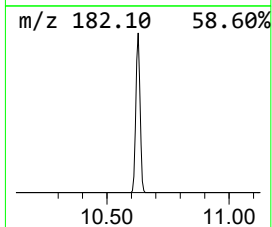
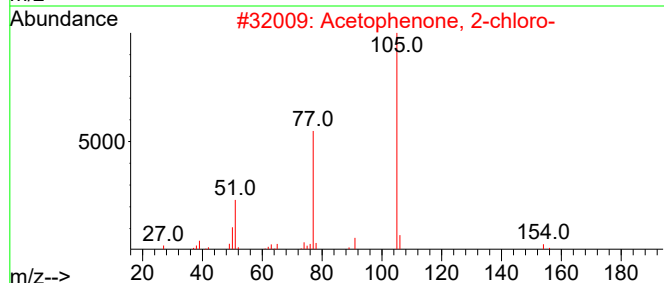
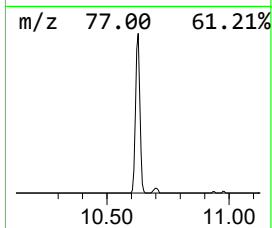
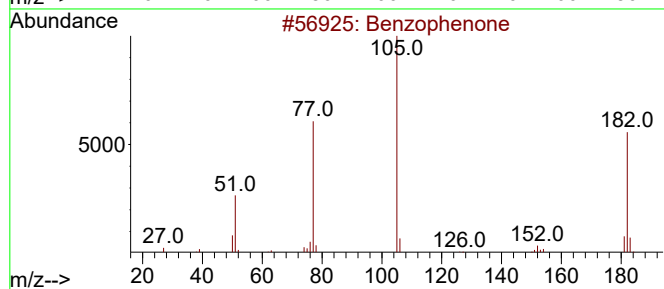
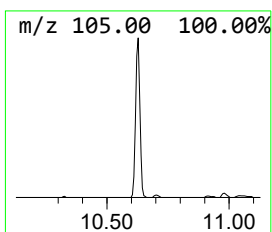
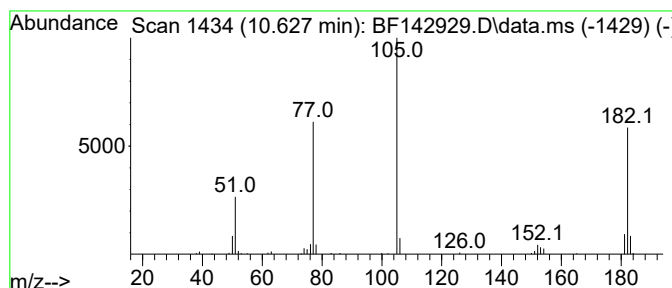
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF061925.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 2 Benzophenone Concentration Rank 3

R.T.	EstConc	Area	Relative to ISTD	R.T.
10.627	3.61 ng	117221	Acenaphthene-d10	9.916

Hit#	of	5	Tentative ID	MW	MolForm	CAS#	Qual
1			Benzophenone	182	C13H10O	000119-61-9	96
2			Acetophenone, 2-chloro-	154	C8H7ClO	000532-27-4	49
3			Benzenebutanoic acid, .gamma.-oxo-	178	C10H10O3	002051-95-8	47
4			Benzenecarbothioic acid	138	C7H6OS	000098-91-9	47
5			Disulfide, dibenzoyl	274	C14H10O2S2	000644-32-6	47



Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF063025\
Data File : BF142929.D
Acq On : 30 Jun 2025 22:15
Operator : RC/JU
Sample : Q2436-05
Misc :
ALS Vial : 15 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
TP-84

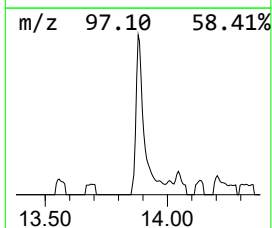
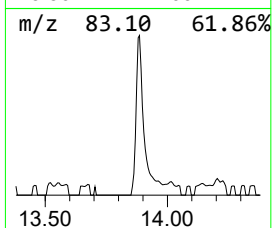
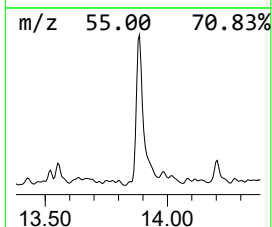
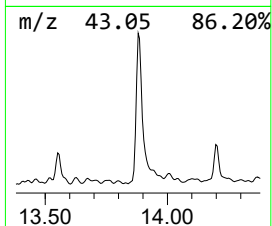
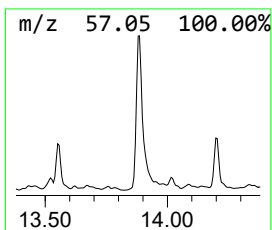
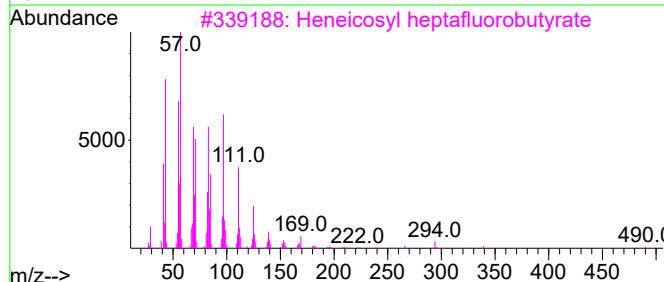
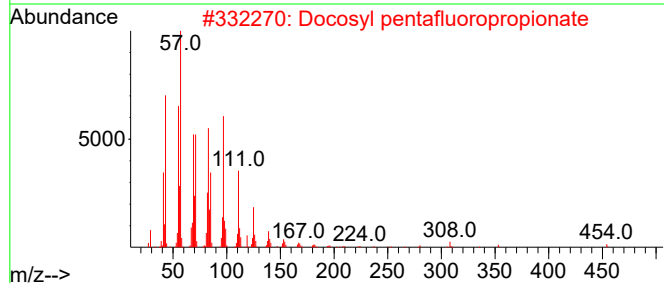
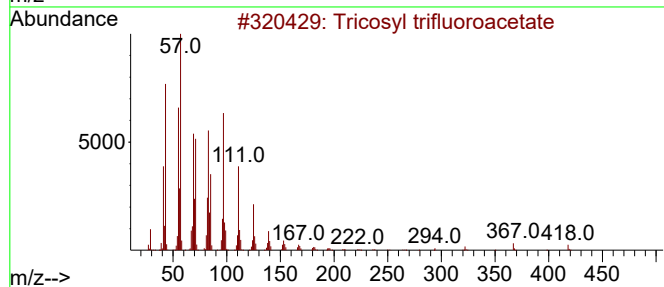
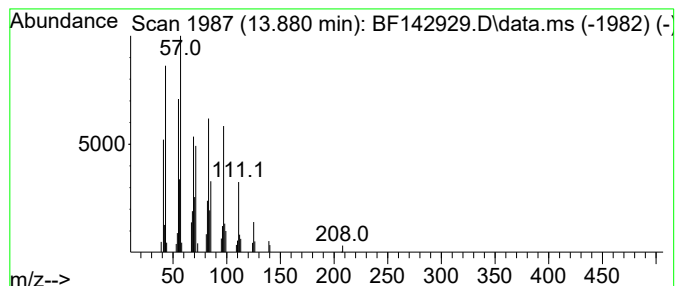
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 3 Tricosyl trifluoroacetate Concentration Rank 2

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.880	4.02 ng	84015	Chrysene-d12	14.045

Hit#	of	5	Tentative ID	MW	MolForm	CAS#	Qual
1			Tricosyl trifluoroacetate	436	C25H47F3O2	1000351-75-1	91
2			Docosyl pentafluoropropionate	472	C25H45F5O2	1000351-80-9	91
3			Heneicosyl heptafluorobutyrate	508	C25H43F7O2	1000351-83-8	91
4			Octadecyl trifluoroacetate	366	C20H37F3O2	079392-43-1	91
5			Hexacosyl pentafluoropropionate	528	C29H53F5O2	1000351-81-2	91



Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF063025\
Data File : BF142929.D
Acq On : 30 Jun 2025 22:15
Operator : RC/JU
Sample : Q2436-05
Misc :
ALS Vial : 15 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
TP-84

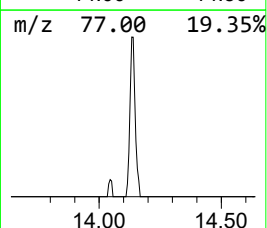
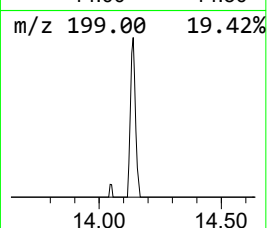
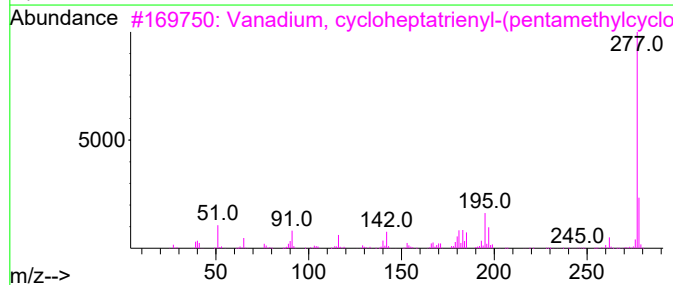
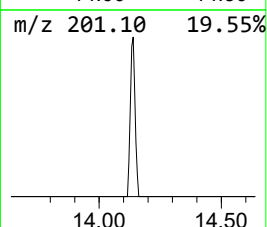
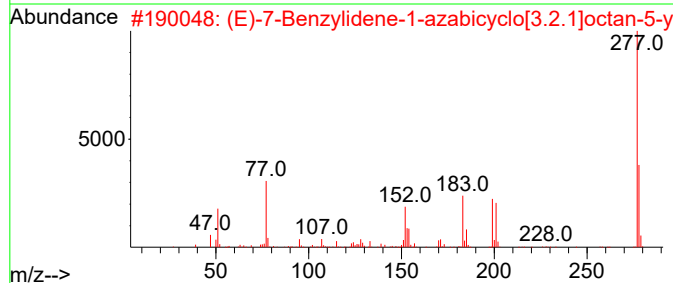
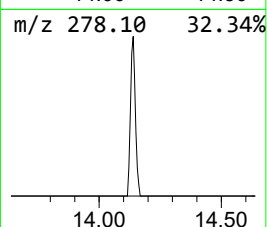
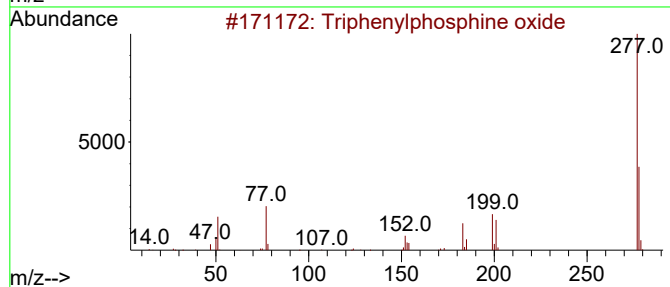
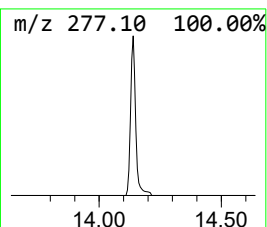
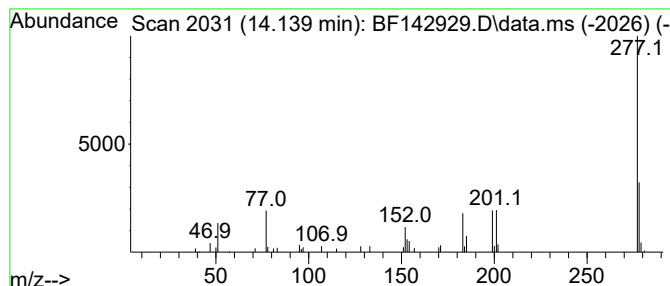
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF061925.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 4 Triphenylphosphine oxide Concentration Rank 4

R.T.	EstConc	Area	Relative to ISTD	R.T.
14.139	2.02 ng	42262	Chrysene-d12	14.045

Hit#	of	5	Tentative ID	MW	MolForm	CAS#	Qual
1			Triphenylphosphine oxide	278	C18H15OP	000791-28-6	95
2			(E)-7-Benzylidene-1-azabicyclo[3...]	293	C15H19NO3S	1000483-83-4	91
3			Vanadium, cycloheptatrienyl-(pen...	277	C17H22V	1000155-20-5	43
4			Formaldehyde, (triphenylphosphor...	304	C19H17N2P	015990-54-2	42
5			5-Methyl-8-phenylfuro[3',2':5,6]...	277	C16H11N3O2	1000460-07-9	38



Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF063025\
Data File : BF142929.D
Acq On : 30 Jun 2025 22:15
Operator : RC/JU
Sample : Q2436-05
Misc :
ALS Vial : 15 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
TP-84

Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF061925.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

TIC Top Hit name	RT	EstConc	Units	Response	--Internal Standard--			
					#	RT	Resp	Conc
2-Pentanone, 4-...	5.093	6.6	ng	157792	1	6.875	478611	20.0
Benzophenone	10.627	3.6	ng	117221	3	9.916	648740	20.0
Tricosyl triflu...	13.880	4.0	ng	84015	5	14.045	417635	20.0
Triphenylphosph...	14.139	2.0	ng	42262	5	14.045	417635	20.0

Report of Analysis

Client:	CDM Smith	Date Collected:	06/25/25
Project:	South River WM Replacement	Date Received:	06/26/25
Client Sample ID:	TP-83	SDG No.:	Q2436
Lab Sample ID:	Q2436-06	Matrix:	SOIL
Analytical Method:	8270E	% Solid:	90.6
Sample Wt/Vol:	30.06	Units:	g
Soil Aliquot Vol:			uL
Extraction Type :		Decanted :	N
Injection Volume :		GPC Factor :	1.0
Prep Method :	SW3541	Level :	LOW
		Final Vol:	1000
		Test:	SVOC-TCL BNA -20
		GPC Cleanup :	N
		PH :	

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
BF142927.D	1	06/27/25 11:20	06/30/25 21:15	PB168649

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units(Dry Weight)
TARGETS						
100-52-7	Benzaldehyde	170	U	170	360	ug/Kg
108-95-2	Phenol	24.3	U	24.3	190	ug/Kg
111-44-4	bis(2-Chloroethyl)ether	26.8	U	26.8	190	ug/Kg
95-57-8	2-Chlorophenol	26.9	U	26.9	190	ug/Kg
95-48-7	2-Methylphenol	32.9	U	32.9	190	ug/Kg
108-60-1	2,2-oxybis(1-Chloropropane)	41.3	U	41.3	190	ug/Kg
98-86-2	Acetophenone	32.5	U	32.5	190	ug/Kg
65794-96-9	3+4-Methylphenols	45.3	U	45.3	360	ug/Kg
621-64-7	n-Nitroso-di-n-propylamine	52.2	U	52.2	88.1	ug/Kg
67-72-1	Hexachloroethane	19.4	U	19.4	190	ug/Kg
98-95-3	Nitrobenzene	20.2	U	20.2	190	ug/Kg
78-59-1	Isophorone	36.1	U	36.1	190	ug/Kg
88-75-5	2-Nitrophenol	64.1	U	64.1	190	ug/Kg
105-67-9	2,4-Dimethylphenol	71.4	U	71.4	190	ug/Kg
111-91-1	bis(2-Chloroethoxy)methane	33.9	U	33.9	190	ug/Kg
120-83-2	2,4-Dichlorophenol	31.2	U	31.2	190	ug/Kg
91-20-3	Naphthalene	25.0	U	25.0	190	ug/Kg
106-47-8	4-Chloroaniline	39.0	U	39.0	190	ug/Kg
87-68-3	Hexachlorobutadiene	27.9	U	27.9	190	ug/Kg
105-60-2	Caprolactam	57.4	U	57.4	360	ug/Kg
59-50-7	4-Chloro-3-methylphenol	31.6	U	31.6	190	ug/Kg
91-57-6	2-Methylnaphthalene	28.2	U	28.2	190	ug/Kg
77-47-4	Hexachlorocyclopentadiene	130	U	130	360	ug/Kg
88-06-2	2,4,6-Trichlorophenol	21.8	U	21.8	190	ug/Kg
95-95-4	2,4,5-Trichlorophenol	32.1	U	32.1	190	ug/Kg
92-52-4	1,1-Biphenyl	24.0	U	24.0	190	ug/Kg
91-58-7	2-Chloronaphthalene	24.8	U	24.8	190	ug/Kg
88-74-4	2-Nitroaniline	53.0	U	53.0	190	ug/Kg
131-11-3	Dimethylphthalate	29.9	U	29.9	190	ug/Kg

Report of Analysis

Client:	CDM Smith	Date Collected:	06/25/25
Project:	South River WM Replacement	Date Received:	06/26/25
Client Sample ID:	TP-83	SDG No.:	Q2436
Lab Sample ID:	Q2436-06	Matrix:	SOIL
Analytical Method:	8270E	% Solid:	90.6
Sample Wt/Vol:	30.06	Units:	g
Soil Aliquot Vol:			uL
Extraction Type :		Decanted :	N
Injection Volume :		GPC Factor :	1.0
Prep Method :	SW3541	Level :	LOW
		Final Vol:	1000 uL
		Test:	SVOC-TCL BNA -20
		GPC Cleanup :	N PH :

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
BF142927.D	1	06/27/25 11:20	06/30/25 21:15	PB168649

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units(Dry Weight)
208-96-8	Acenaphthylene	31.8	U	31.8	190	ug/Kg
606-20-2	2,6-Dinitrotoluene	37.0	U	37.0	190	ug/Kg
99-09-2	3-Nitroaniline	50.7	U	50.7	190	ug/Kg
83-32-9	Acenaphthene	23.5	U	23.5	190	ug/Kg
51-28-5	2,4-Dinitrophenol	250	U	250	360	ug/Kg
100-02-7	4-Nitrophenol	120	U	120	360	ug/Kg
132-64-9	Dibenzofuran	25.0	U	25.0	190	ug/Kg
121-14-2	2,4-Dinitrotoluene	55.2	U	55.2	190	ug/Kg
84-66-2	Diethylphthalate	31.2	U	31.2	190	ug/Kg
7005-72-3	4-Chlorophenyl-phenylether	29.4	U	29.4	190	ug/Kg
86-73-7	Fluorene	27.9	U	27.9	190	ug/Kg
100-01-6	4-Nitroaniline	70.7	U	70.7	190	ug/Kg
534-52-1	4,6-Dinitro-2-methylphenol	110	U	110	360	ug/Kg
86-30-6	n-Nitrosodiphenylamine	36.2	U	36.2	190	ug/Kg
101-55-3	4-Bromophenyl-phenylether	30.6	U	30.6	190	ug/Kg
118-74-1	Hexachlorobenzene	27.9	U	27.9	190	ug/Kg
1912-24-9	Atrazine	37.5	U	37.5	190	ug/Kg
87-86-5	Pentachlorophenol	56.5	U	56.5	360	ug/Kg
85-01-8	Phenanthrene	23.0	U	23.0	190	ug/Kg
120-12-7	Anthracene	36.7	U	36.7	190	ug/Kg
86-74-8	Carbazole	34.4	U	34.4	190	ug/Kg
84-74-2	Di-n-butylphthalate	52.8	U	52.8	190	ug/Kg
206-44-0	Fluoranthene	33.0	U	33.0	190	ug/Kg
129-00-0	Pyrene	39.7	U	39.7	190	ug/Kg
85-68-7	Butylbenzylphthalate	78.7	U	78.7	190	ug/Kg
91-94-1	3,3-Dichlorobenzidine	40.4	U	40.4	360	ug/Kg
56-55-3	Benzo(a)anthracene	25.3	U	25.3	190	ug/Kg
218-01-9	Chrysene	21.9	U	21.9	190	ug/Kg
117-81-7	Bis(2-ethylhexyl)phthalate	65.2	U	65.2	190	ug/Kg
117-84-0	Di-n-octyl phthalate	95.6	U	95.6	360	ug/Kg
205-99-2	Benzo(b)fluoranthene	20.9	U	20.9	190	ug/Kg

Report of Analysis

Client:	CDM Smith	Date Collected:	06/25/25
Project:	South River WM Replacement	Date Received:	06/26/25
Client Sample ID:	TP-83	SDG No.:	Q2436
Lab Sample ID:	Q2436-06	Matrix:	SOIL
Analytical Method:	8270E	% Solid:	90.6
Sample Wt/Vol:	30.06 Units: g	Final Vol:	1000 uL
Soil Aliquot Vol:	uL	Test:	SVOC-TCL BNA -20
Extraction Type :	Decanted : N	Level :	LOW
Injection Volume :	GPC Factor : 1.0	GPC Cleanup :	N PH :
Prep Method :	SW3541		

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
BF142927.D	1	06/27/25 11:20	06/30/25 21:15	PB168649

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units(Dry Weight)
207-08-9	Benzo(k)fluoranthene	24.7	U	24.7	190	ug/Kg
50-32-8	Benzo(a)pyrene	32.5	U	32.5	190	ug/Kg
193-39-5	Indeno(1,2,3-cd)pyrene	32.1	U	32.1	190	ug/Kg
53-70-3	Dibenzo(a,h)anthracene	30.2	U	30.2	190	ug/Kg
191-24-2	Benzo(g,h,i)perylene	28.3	U	28.3	190	ug/Kg
95-94-3	1,2,4,5-Tetrachlorobenzene	28.2	U	28.2	190	ug/Kg
123-91-1	1,4-Dioxane	49.8	U	49.8	190	ug/Kg
58-90-2	2,3,4,6-Tetrachlorophenol	30.2	U	30.2	190	ug/Kg
SURROGATES						
367-12-4	2-Fluorophenol	76.8		18 - 112	51%	SPK: 150
13127-88-3	Phenol-d6	78.0		15 - 107	52%	SPK: 150
4165-60-0	Nitrobenzene-d5	49.9		18 - 107	50%	SPK: 100
321-60-8	2-Fluorobiphenyl	49.5		20 - 109	49%	SPK: 100
118-79-6	2,4,6-Tribromophenol	73.4		10 - 116	49%	SPK: 150
1718-51-0	Terphenyl-d14	42.1		10 - 105	42%	SPK: 100
INTERNAL STANDARDS						
3855-82-1	1,4-Dichlorobenzene-d4	66200	6.875			
1146-65-2	Naphthalene-d8	244000	8.157			
15067-26-2	Acenaphthene-d10	124000	9.91			
1517-22-2	Phenanthrene-d10	193000	11.404			
1719-03-5	Chrysene-d12	118000	14.045			
1520-96-3	Perylene-d12	142000	15.539			
TENTATIVE IDENTIFIED COMPOUNDS						
000123-42-2	2-Pentanone, 4-hydroxy-4-methyl-	210	AB		5.09	ug/Kg
000119-61-9	Benzophenone	160	J		10.6	ug/Kg
006971-40-0	17-Pentatriacontene	150	J		13.9	ug/Kg
1010351-87-0	Heptadecyl trifluoroacetate	79.3	J		14.5	ug/Kg

Report of Analysis

Client:	CDM Smith	Date Collected:	06/25/25
Project:	South River WM Replacement	Date Received:	06/26/25
Client Sample ID:	TP-83	SDG No.:	Q2436
Lab Sample ID:	Q2436-06	Matrix:	SOIL
Analytical Method:	8270E	% Solid:	90.6
Sample Wt/Vol:	30.06 Units: g	Final Vol:	1000 uL
Soil Aliquot Vol:	uL	Test:	SVOC-TCL BNA -20
Extraction Type :	Decanted : N	Level :	LOW
Injection Volume :	GPC Factor : 1.0	GPC Cleanup :	N PH :
Prep Method :	SW3541		

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
BF142927.D	1	06/27/25 11:20	06/30/25 21:15	PB168649

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\BF063025\
Data File : BF142927.D
Acq On : 30 Jun 2025 21:15
Operator : RC/JU
Sample : Q2436-06
Misc :
ALS Vial : 13 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
TP-83

Quant Time: Jul 01 01:25:08 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF061925.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Tue Jun 24 05:28:21 2025
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) 1,4-Dichlorobenzene-d4	6.875	152	66171	20.000	ng	0.00
21) Naphthalene-d8	8.157	136	243586	20.000	ng	-0.01
39) Acenaphthene-d10	9.910	164	123597	20.000	ng	-0.01
64) Phenanthrene-d10	11.404	188	193271	20.000	ng	0.00
76) Chrysene-d12	14.045	240	118249	20.000	ng	-0.01
86) Perylene-d12	15.539	264	142467	20.000	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.493	112	305225	76.797	ng	0.00
7) Phenol-d6	6.498	99	365908	78.035	ng	-0.01
23) Nitrobenzene-d5	7.434	82	221459	49.868	ng	-0.01
42) 2,4,6-Tribromophenol	10.704	330	93404	73.437	ng	-0.01
45) 2-Fluorobiphenyl	9.234	172	465678	49.495	ng	-0.01
79) Terphenyl-d14	12.986	244	360721	42.149	ng	-0.01

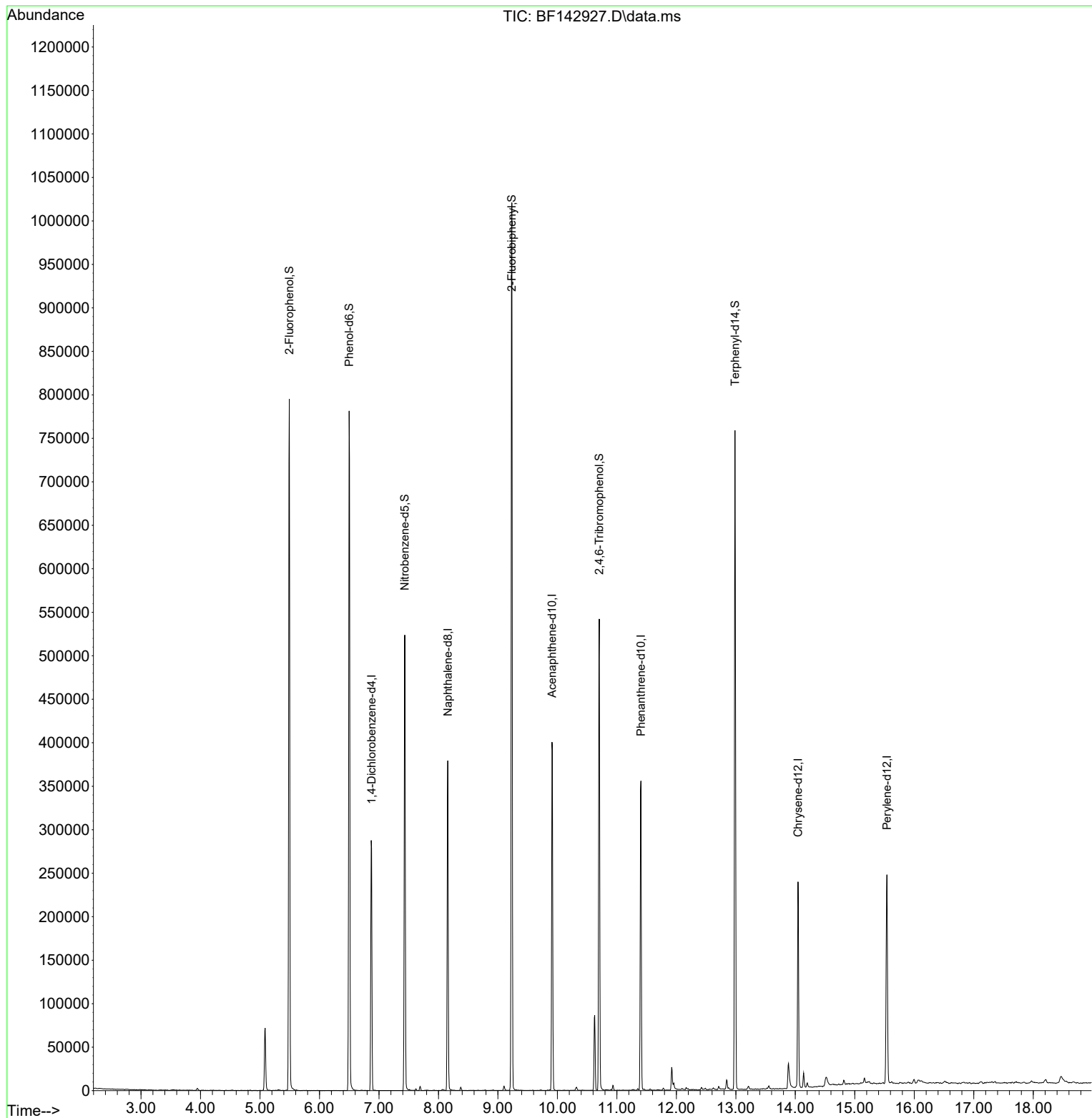
Target Compounds	Qvalue

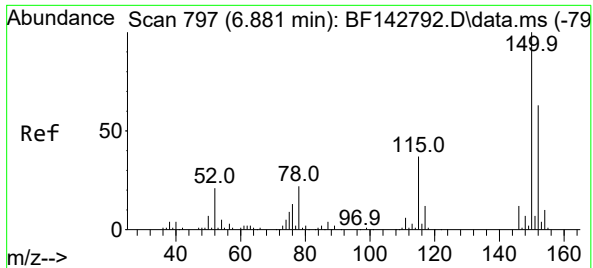
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF063025\
Data File : BF142927.D
Acq On : 30 Jun 2025 21:15
Operator : RC/JU
Sample : Q2436-06
Misc :
ALS Vial : 13 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
TP-83

Quant Time: Jul 01 01:25:08 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF061925.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Tue Jun 24 05:28:21 2025
Response via : Initial Calibration

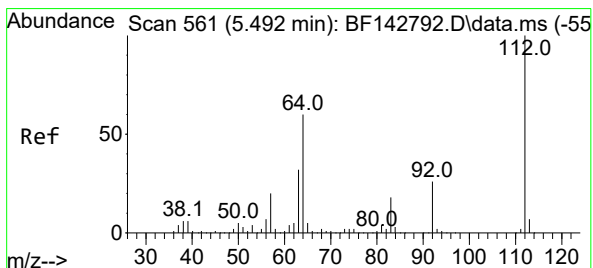
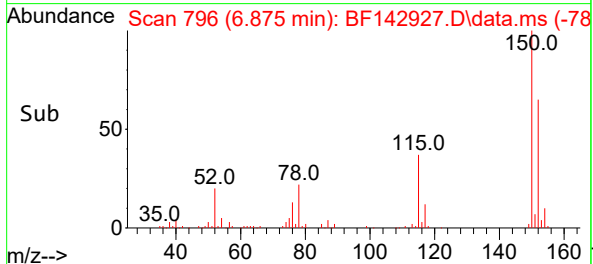
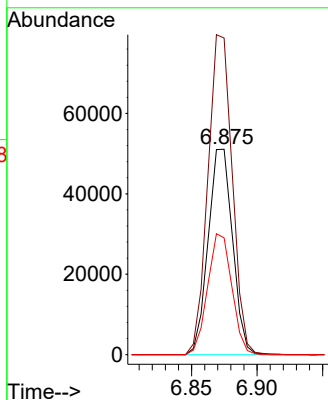
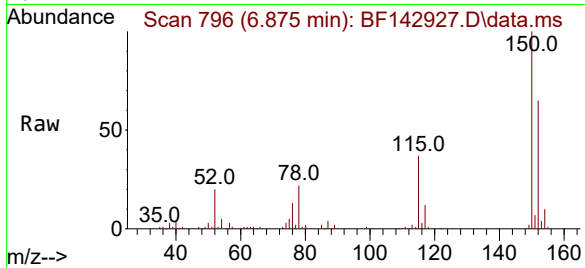




#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.875 min Scan# 797
Delta R.T. -0.006 min
Lab File: BF142927.D
Acq: 30 Jun 2025 21:15

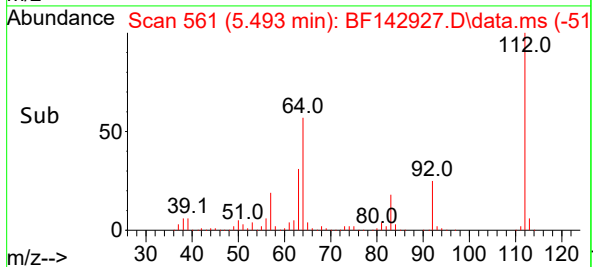
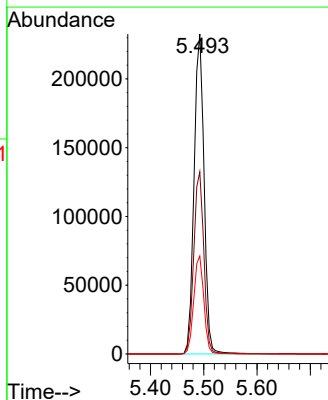
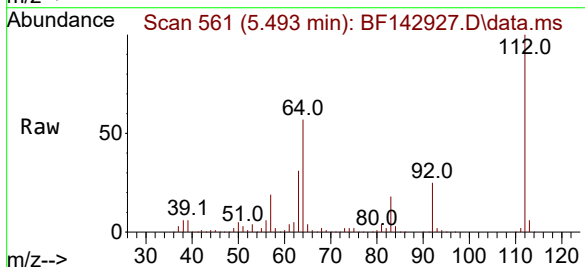
Instrument :
BNA_F
ClientSampleId :
TP-83

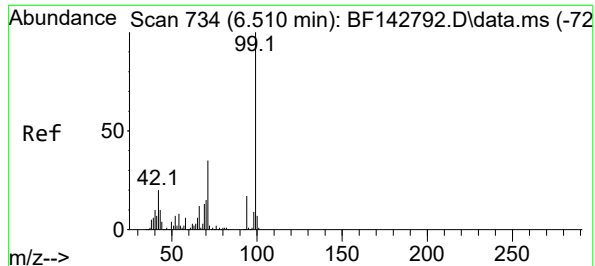
Tgt Ion:152 Resp: 66171
Ion Ratio Lower Upper
152 100
150 154.1 127.2 190.8
115 56.8 46.6 69.8



#5
2-Fluorophenol
Concen: 76.797 ng
RT: 5.493 min Scan# 561
Delta R.T. 0.001 min
Lab File: BF142927.D
Acq: 30 Jun 2025 21:15

Tgt Ion:112 Resp: 305225
Ion Ratio Lower Upper
112 100
64 56.9 48.2 72.2
63 30.6 25.7 38.5

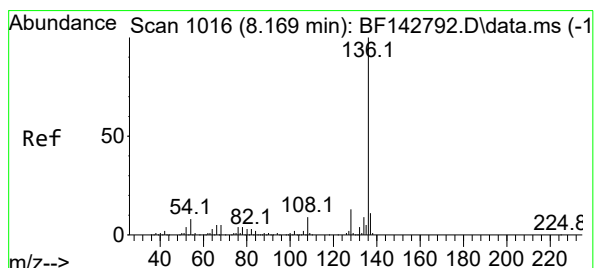
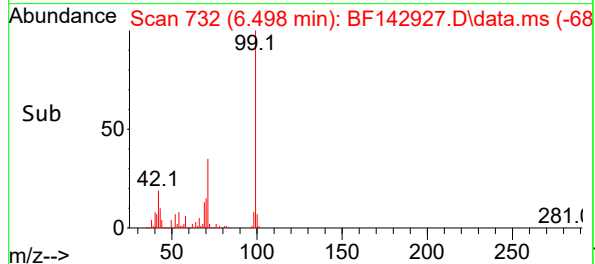
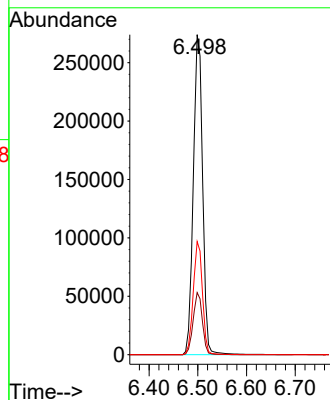
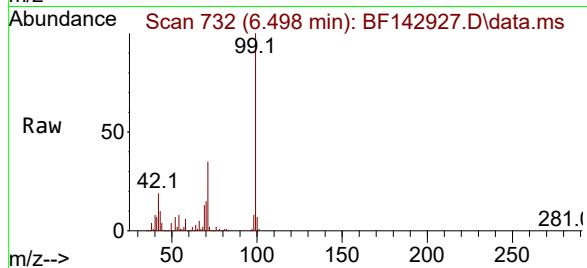




#7
Phenol-d6
Concen: 78.035 ng
RT: 6.498 min Scan# 71
Delta R.T. -0.012 min
Lab File: BF142927.D
Acq: 30 Jun 2025 21:15

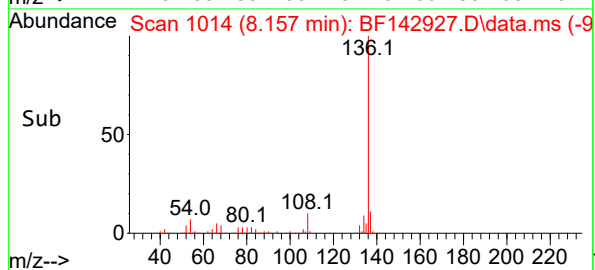
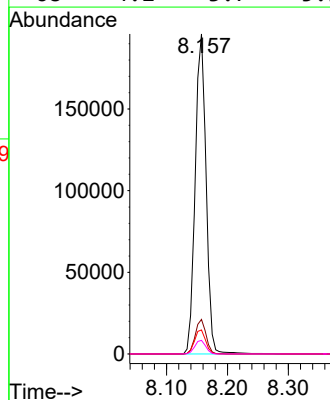
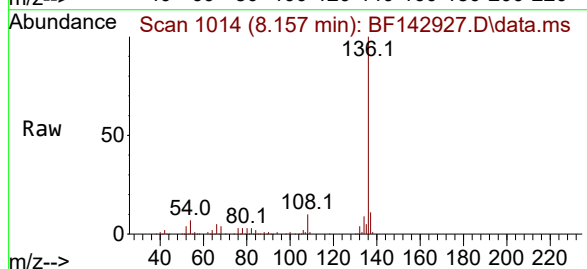
Instrument :
BNA_F
ClientSampleId :
TP-83

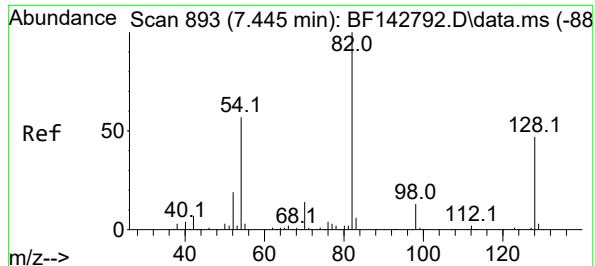
Tgt Ion: 99 Resp: 365908
Ion Ratio Lower Upper
99 100
42 19.4 15.9 23.9
71 35.4 27.8 41.8



#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.157 min Scan# 1014
Delta R.T. -0.012 min
Lab File: BF142927.D
Acq: 30 Jun 2025 21:15

Tgt Ion: 136 Resp: 243586
Ion Ratio Lower Upper
136 100
137 10.8 8.4 12.6
54 7.5 6.3 9.5
68 4.2 3.7 5.5





#23

Nitrobenzene-d5

Concen: 49.868 ng

RT: 7.434 min Scan# 89

Delta R.T. -0.011 min

Lab File: BF142927.D

Acq: 30 Jun 2025 21:15

Instrument :

BNA_F

ClientSampleId :

TP-83

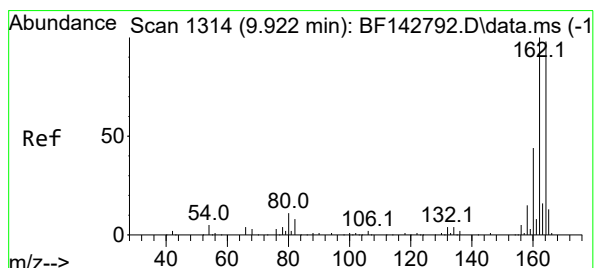
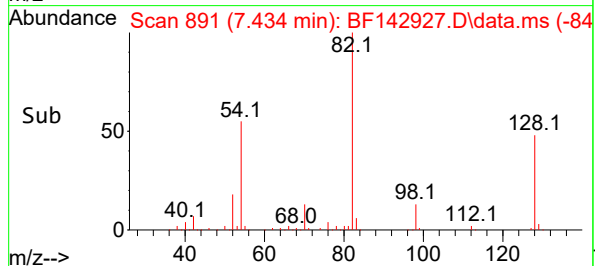
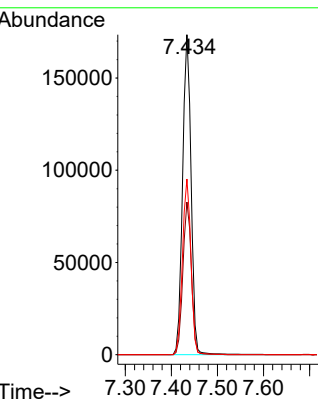
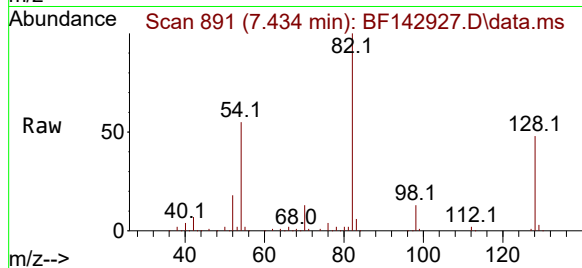
Tgt Ion: 82 Resp: 221459

Ion Ratio Lower Upper

82 100

128 47.7 37.7 56.5

54 54.9 45.7 68.5



#39

Acenaphthene-d10

Concen: 20.000 ng

RT: 9.910 min Scan# 1312

Delta R.T. -0.012 min

Lab File: BF142927.D

Acq: 30 Jun 2025 21:15

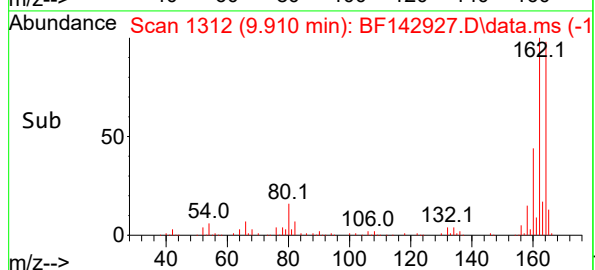
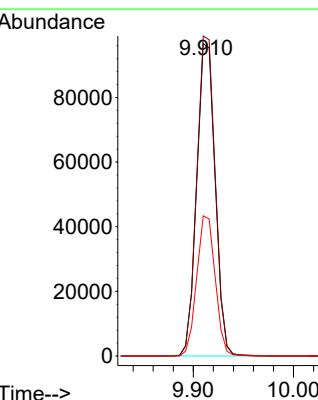
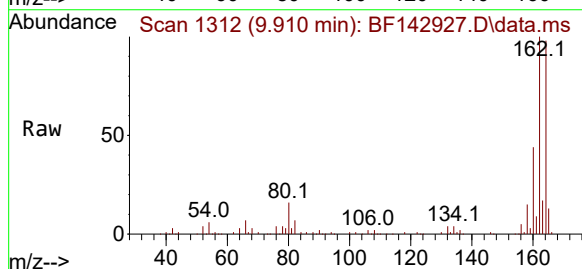
Tgt Ion:164 Resp: 123597

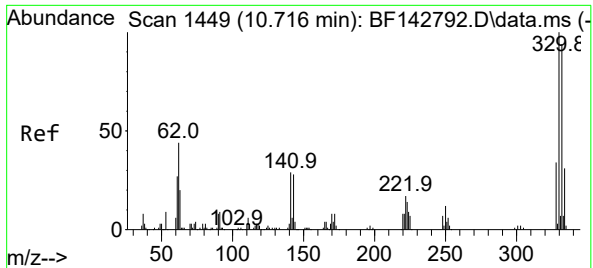
Ion Ratio Lower Upper

164 100

162 102.5 81.8 122.8

160 44.9 36.0 54.0





#42

2,4,6-Tribromophenol

Concen: 73.437 ng

RT: 10.704 min Scan# 1447

Delta R.T. -0.012 min

Lab File: BF142927.D

Acq: 30 Jun 2025 21:15

Instrument :

BNA_F

ClientSampleId :

TP-83

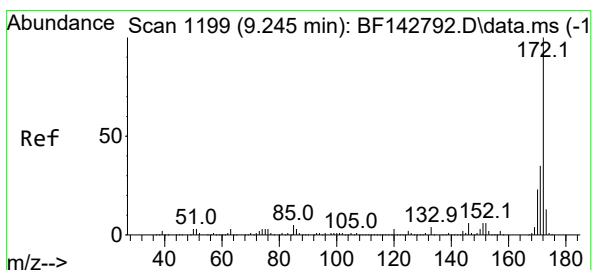
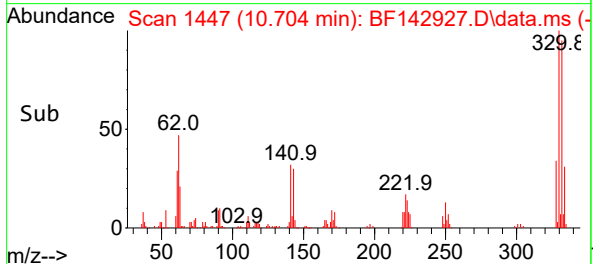
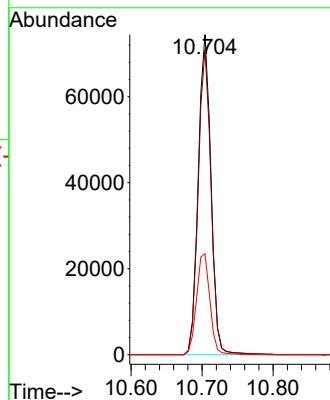
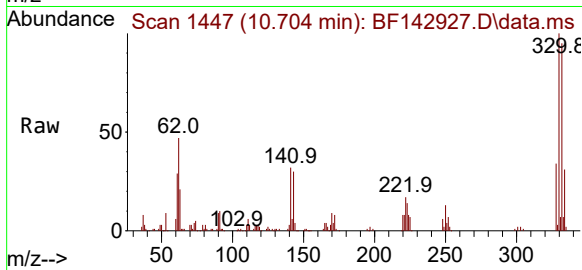
Tgt Ion:330 Resp: 93404

Ion Ratio Lower Upper

330 100

332 95.3 75.0 112.6

141 32.9 25.3 37.9



#45

2-Fluorobiphenyl

Concen: 49.495 ng

RT: 9.234 min Scan# 1197

Delta R.T. -0.011 min

Lab File: BF142927.D

Acq: 30 Jun 2025 21:15

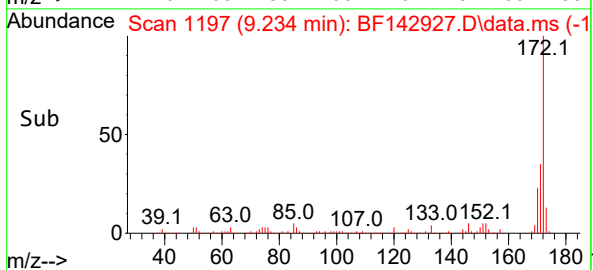
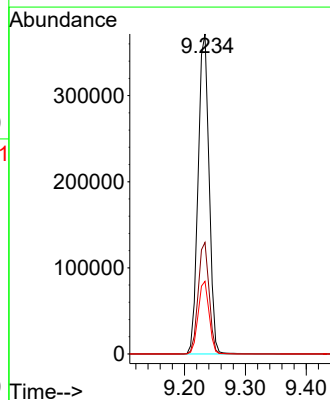
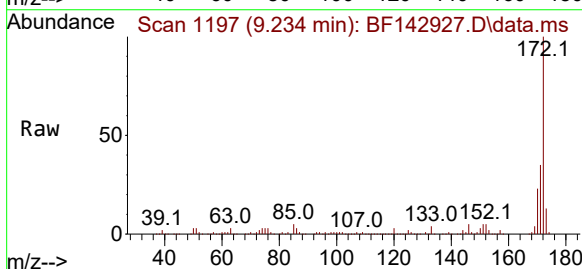
Tgt Ion:172 Resp: 465678

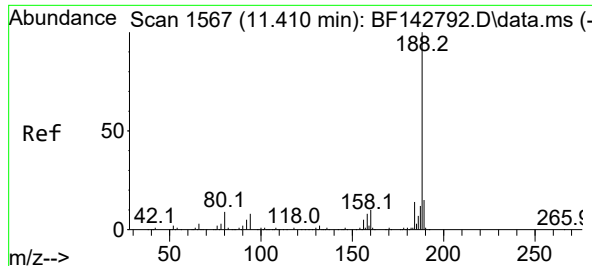
Ion Ratio Lower Upper

172 100

171 34.9 28.2 42.4

170 22.7 18.5 27.7

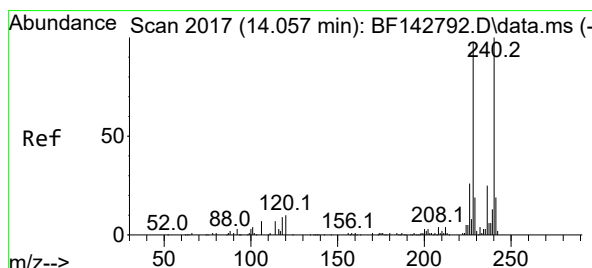
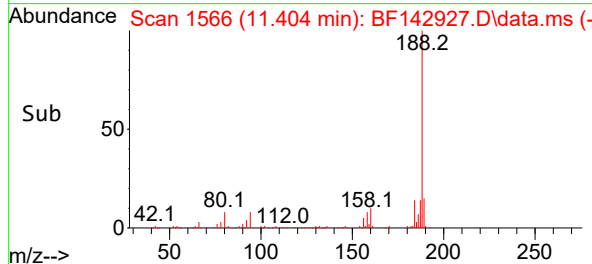
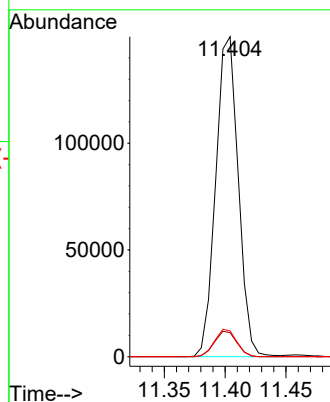
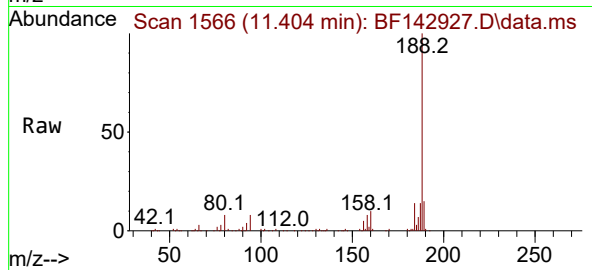




#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.404 min Scan# 11
Delta R.T. -0.006 min
Lab File: BF142927.D
Acq: 30 Jun 2025 21:15

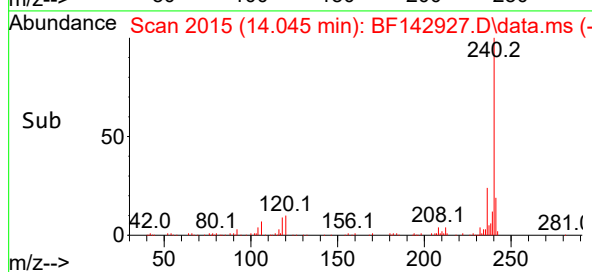
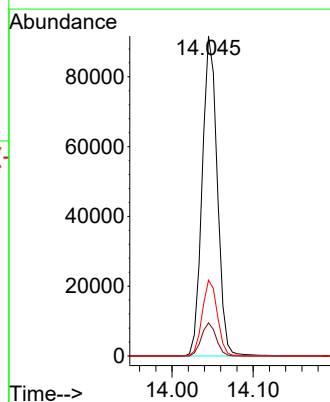
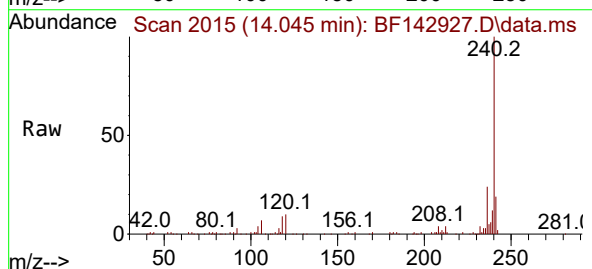
Instrument :
BNA_F
ClientSampleId :
TP-83

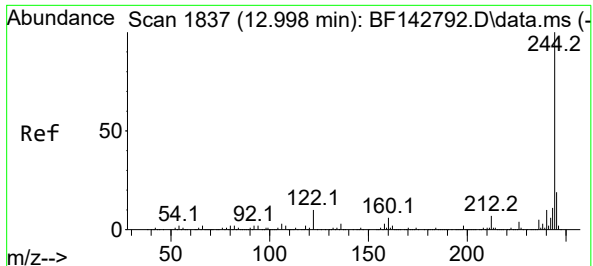
Tgt Ion:188 Resp: 193271
Ion Ratio Lower Upper
188 100
94 7.5 6.7 10.1
80 8.1 6.9 10.3



#76
Chrysene-d12
Concen: 20.000 ng
RT: 14.045 min Scan# 2015
Delta R.T. -0.012 min
Lab File: BF142927.D
Acq: 30 Jun 2025 21:15

Tgt Ion:240 Resp: 118249
Ion Ratio Lower Upper
240 100
120 10.4 8.2 12.2
236 23.7 19.8 29.8





#79

Terphenyl-d14

Concen: 42.149 ng

RT: 12.986 min Scan# 11

Delta R.T. -0.012 min

Lab File: BF142927.D

Acq: 30 Jun 2025 21:15

Instrument :

BNA_F

ClientSampleId :

TP-83

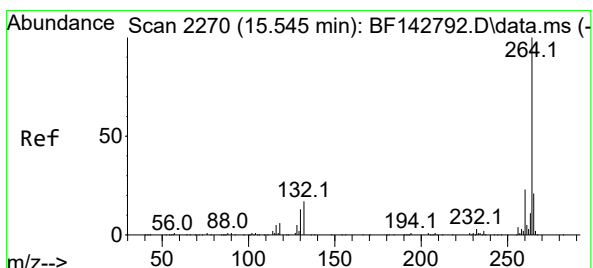
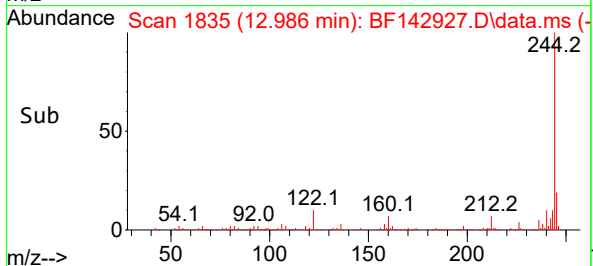
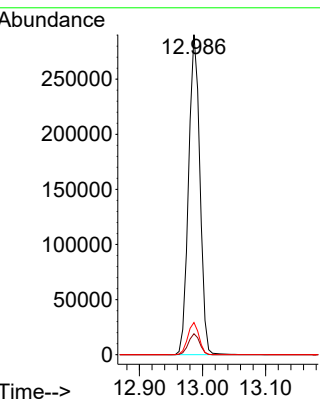
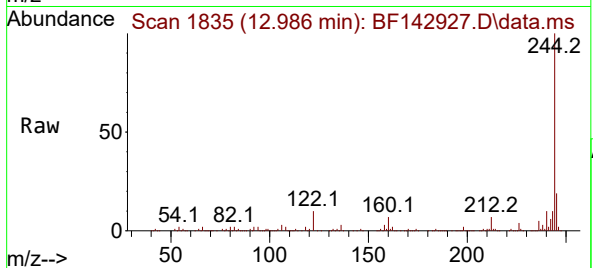
Tgt Ion:244 Resp: 360721

Ion Ratio Lower Upper

244 100

212 6.5 5.4 8.0

122 10.0 8.2 12.2



#86

Perylene-d12

Concen: 20.000 ng

RT: 15.539 min Scan# 2269

Delta R.T. -0.006 min

Lab File: BF142927.D

Acq: 30 Jun 2025 21:15

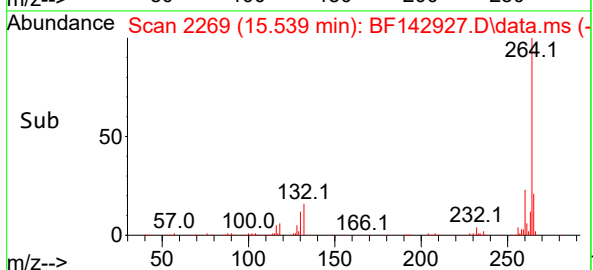
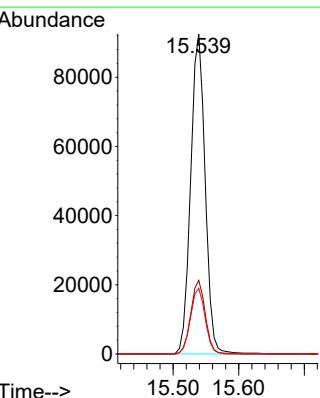
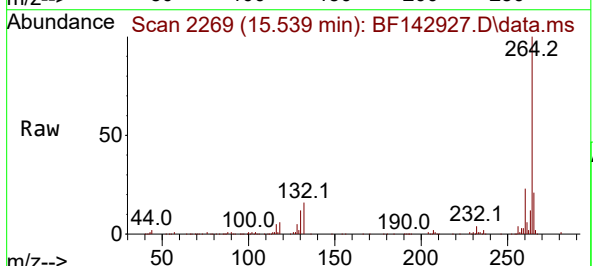
Tgt Ion:264 Resp: 142467

Ion Ratio Lower Upper

264 100

260 23.0 18.1 27.1

265 20.5 16.6 25.0



Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF063025\
 Data File : BF142927.D
 Acq On : 30 Jun 2025 21:15
 Operator : RC/JU
 Sample : Q2436-06
 Misc :
 ALS Vial : 13 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 TP-83

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-BF061925.M

Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

Signal : TIC: BF142927.D\data.ms

peak #	R.T. min	first scan	max scan	last scan	PK TY	peak height	corr. area	corr. % max.	% of total
1	5.087	486	492	502	rVB	71297	105725	8.20%	1.239%
2	5.493	555	561	580	rBV	794677	1042364	80.85%	12.219%
3	6.498	726	732	749	rBV	781287	1042587	80.87%	12.221%
4	6.869	790	795	804	rBV	287582	366206	28.41%	4.293%
5	7.434	885	891	896	rBV	523758	661223	51.29%	7.751%
6	8.157	1009	1014	1019	rBV	379136	465505	36.11%	5.457%
7	9.234	1191	1197	1202	rBV	1020152	1289217	100.00%	15.112%
8	9.910	1307	1312	1318	rBV	399705	505044	39.17%	5.920%
9	10.628	1429	1434	1442	rVB	86352	109649	8.51%	1.285%
10	10.704	1442	1447	1463	rBV	541914	692579	53.72%	8.119%
11	11.404	1561	1566	1572	rBV	355410	456077	35.38%	5.346%
12	11.922	1649	1654	1658	rBV	26347	37219	2.89%	0.436%
13	12.845	1806	1811	1815	rBV	10705	15392	1.19%	0.180%
14	12.986	1830	1835	1840	rBV	757327	931203	72.23%	10.916%
15	13.886	1982	1988	2002	rBV	28929	60203	4.67%	0.706%
16	14.045	2007	2015	2024	rVV	236848	304652	23.63%	3.571%
17	14.139	2027	2031	2037	rVV	16570	21837	1.69%	0.256%
18	14.521	2089	2096	2108	rBV5	10139	32900	2.55%	0.386%
19	15.539	2262	2269	2278	rBV	239902	365927	28.38%	4.289%
20	18.468	2760	2767	2779	rBV10	6876	25335	1.97%	0.297%

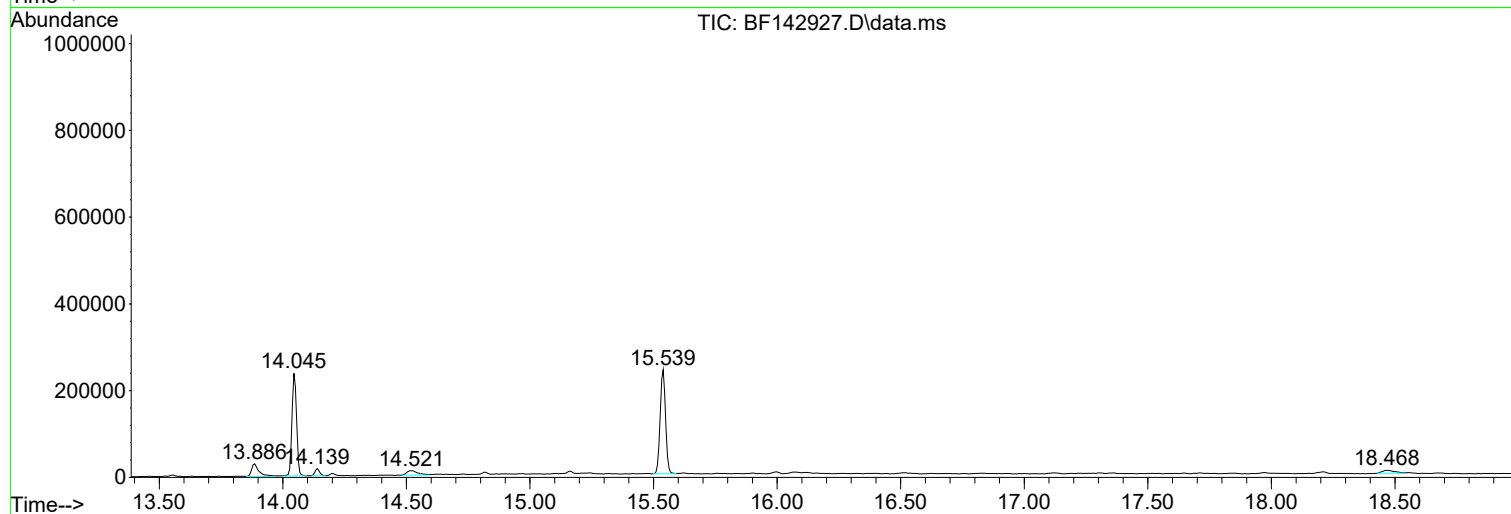
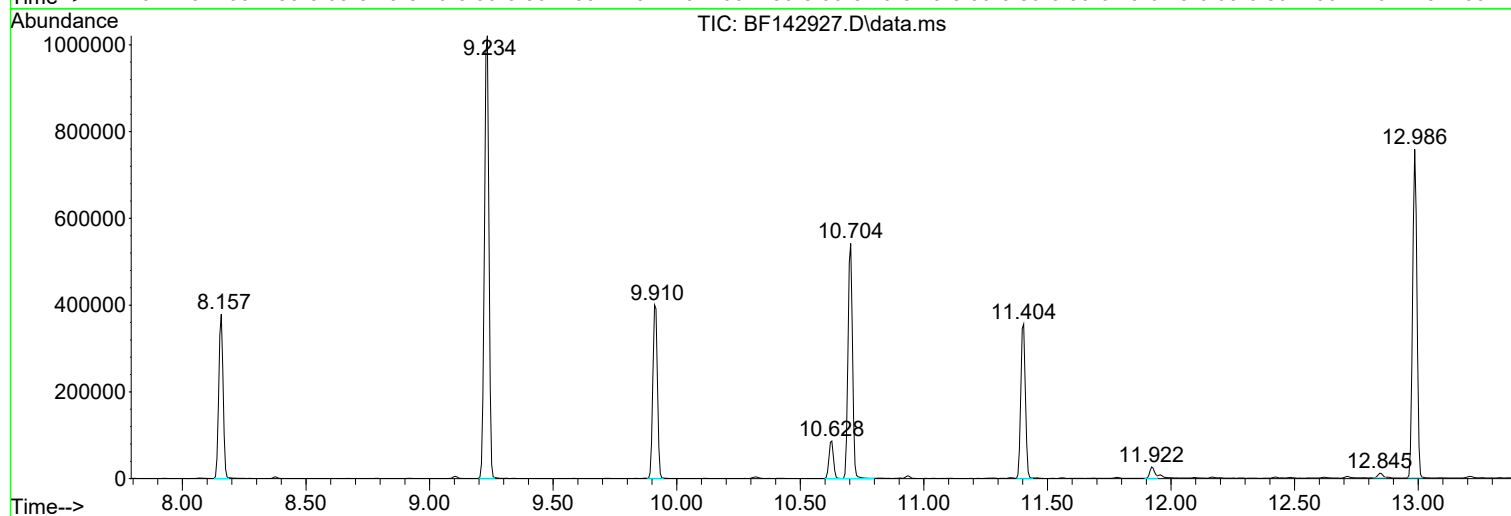
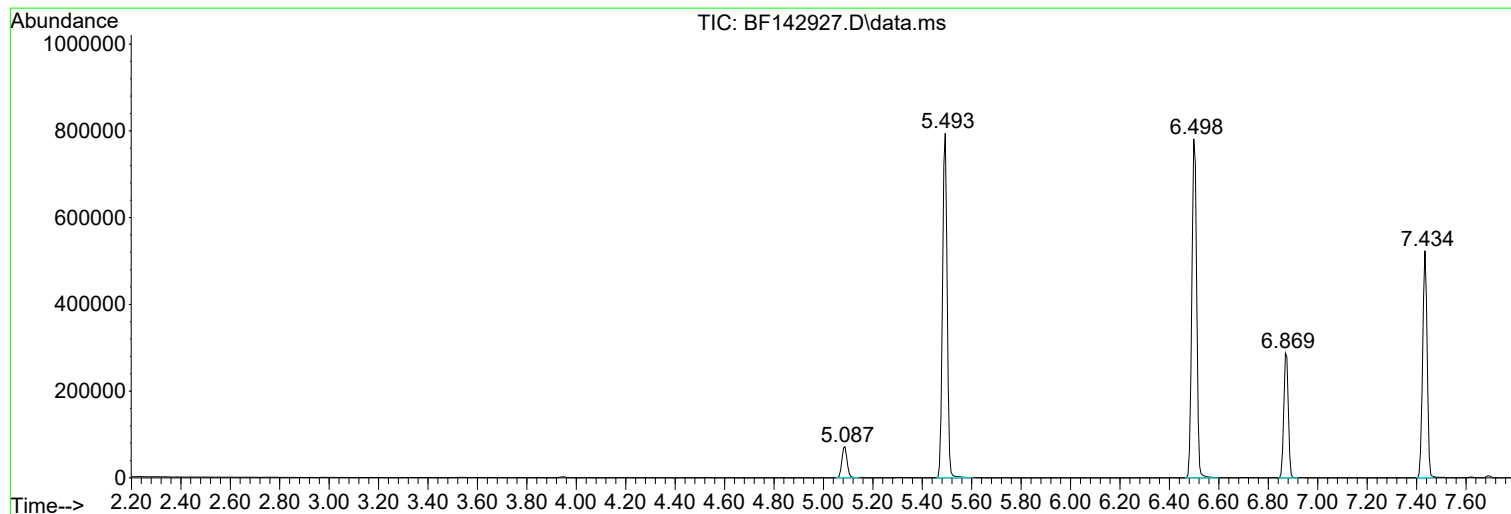
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Data File : BF142927.D
Acq On : 30 Jun 2025 21:15
Operator : RC/JU
Sample : Q2436-06
Misc :
ALS Vial : 13 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
TP-83

Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF061925.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\BF063025\
Data File : BF142927.D
Acq On : 30 Jun 2025 21:15
Operator : RC/JU
Sample : Q2436-06
Misc :
ALS Vial : 13 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
TP-83

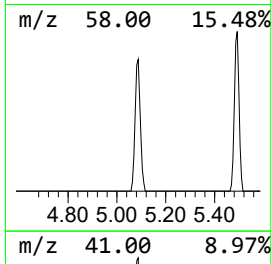
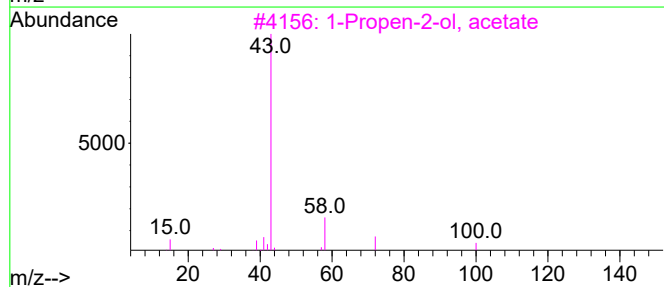
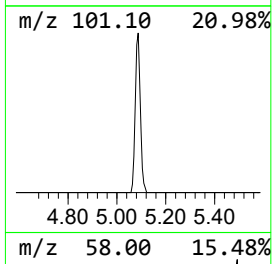
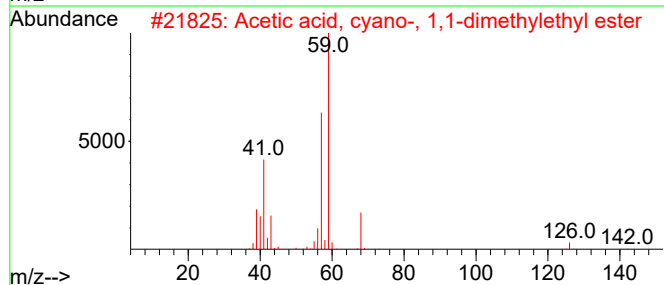
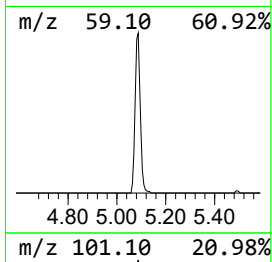
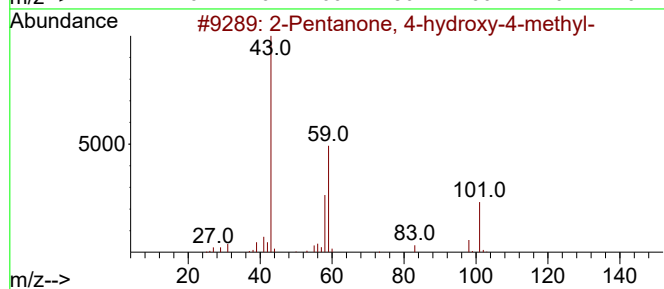
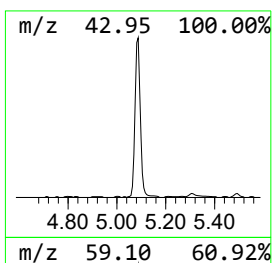
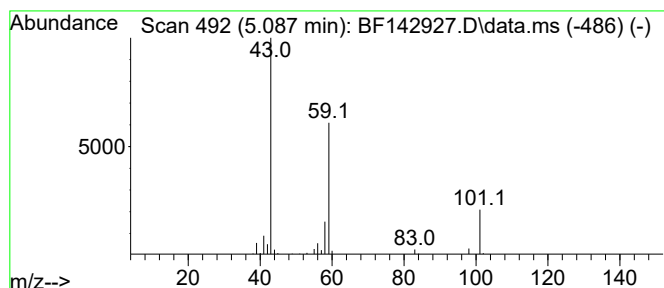
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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.
5.087	5.77 ng	105725	1,4-Dichlorobenzene-d4	6.875

Hit#	of	5	Tentative ID	MW	MolForm	CAS#	Qual
1	2-Pentanone, 4-hydroxy-4-methyl-	116	C6H12O2	000123-42-2	56		
2	Acetic acid, cyano-, 1,1-dimethy...	141	C7H11NO2	001116-98-9	17		
3	1-Propen-2-ol, acetate	100	C5H8O2	000108-22-5	10		
4	2,3-Butanedione, monooxime	101	C4H7NO2	000057-71-6	9		
5	Acetic acid, 1,1-dimethylethyl e...	116	C6H12O2	000540-88-5	9		



Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF063025\
Data File : BF142927.D
Acq On : 30 Jun 2025 21:15
Operator : RC/JU
Sample : Q2436-06
Misc :
ALS Vial : 13 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
TP-83

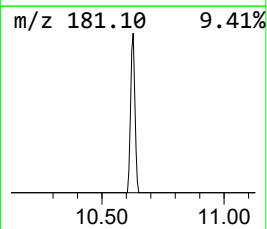
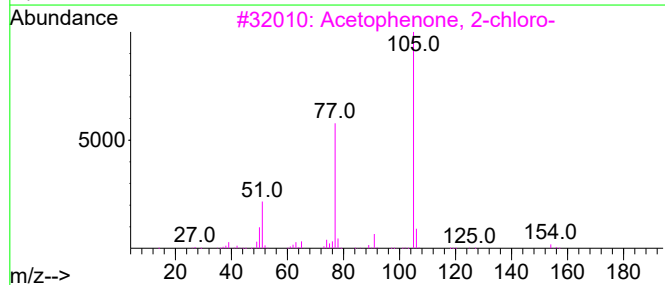
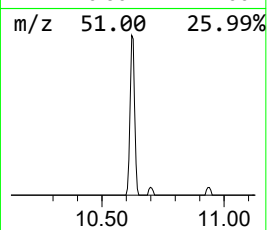
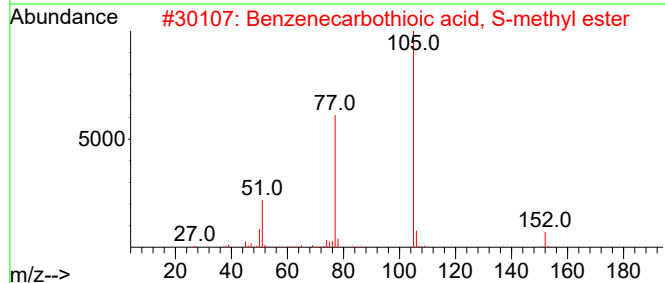
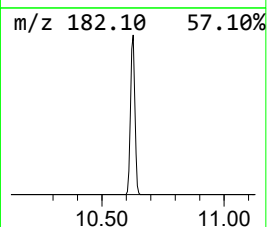
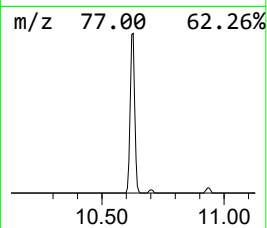
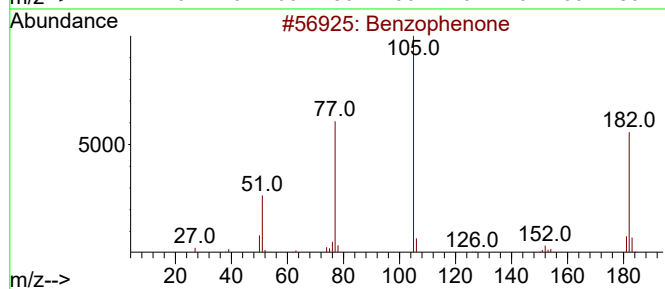
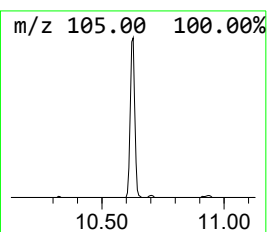
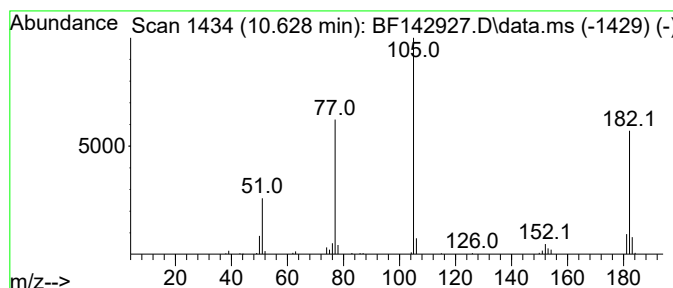
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 2 Benzophenone Concentration Rank 2

R.T.	EstConc	Area	Relative to ISTD	R.T.
10.628	4.34 ng	109649	Acenaphthene-d10	9.910

Hit#	of	5	Tentative ID	MW	MolForm	CAS#	Qual
1			Benzophenone	182	C13H10O	000119-61-9	96
2			Benzenecarbothioic acid, S-methy...	152	C8H8OS	005925-68-8	53
3			Acetophenone, 2-chloro-	154	C8H7ClO	000532-27-4	49
4			N-cyanobenzamide	146	C8H6N2O	015150-25-1	49
5			N-Methylbenzamide, N-trifluoroac...	231	C10H8F3NO2	1000446-91-5	47



Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF063025\
Data File : BF142927.D
Acq On : 30 Jun 2025 21:15
Operator : RC/JU
Sample : Q2436-06
Misc :
ALS Vial : 13 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
TP-83

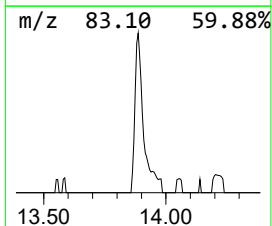
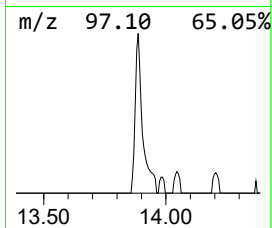
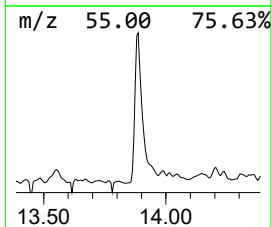
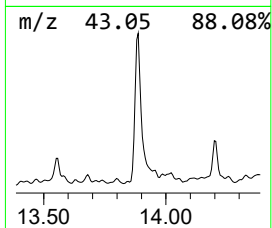
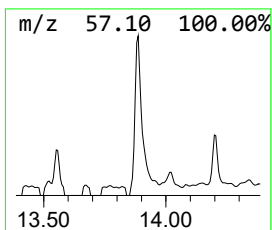
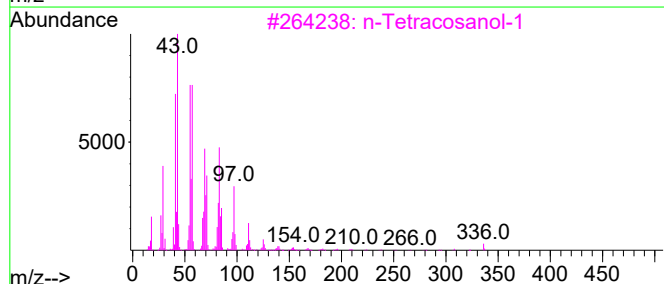
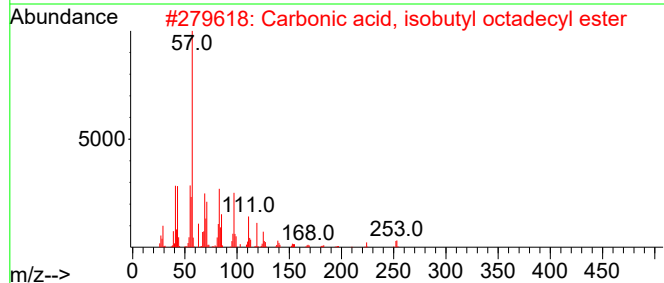
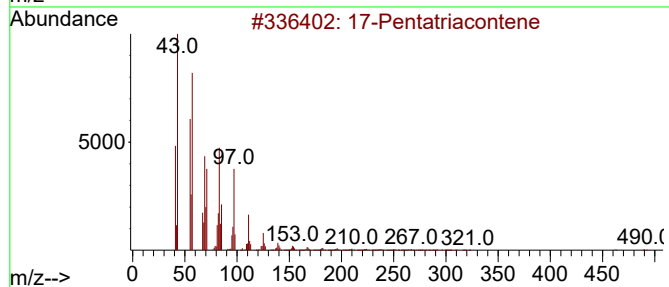
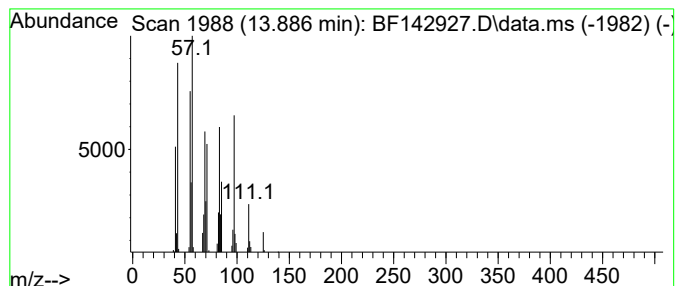
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF061925.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 3 17-Pentatriacontene Concentration Rank 3

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.886	3.95 ng	60203	Chrysene-d12	14.045

Hit#	of	5	Tentative ID	MW	MolForm	CAS#	Qual
1			17-Pentatriacontene	491	C35H70	006971-40-0	91
2			Carbonic acid, isobutyl octadecy...	370	C23H46O3	1000314-61-5	91
3			n-Tetracosanol-1	354	C24H50O	000506-51-4	90
4			1-Docosene	308	C22H44	001599-67-3	83
5			Heptyl tetracosyl ether	452	C31H64O	1000406-39-8	80



Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF063025\
Data File : BF142927.D
Acq On : 30 Jun 2025 21:15
Operator : RC/JU
Sample : Q2436-06
Misc :
ALS Vial : 13 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
TP-83

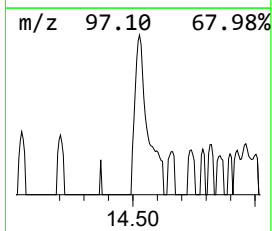
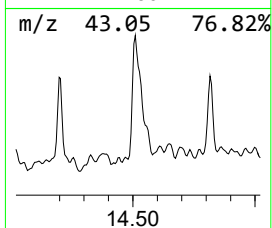
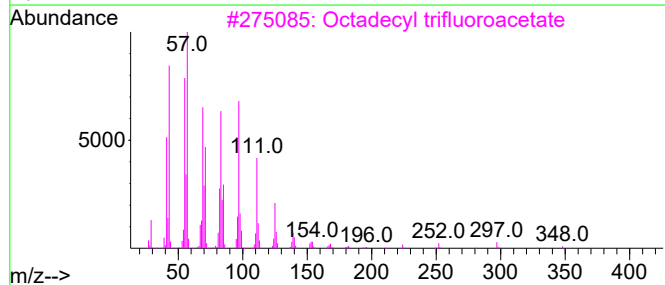
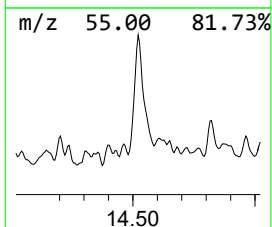
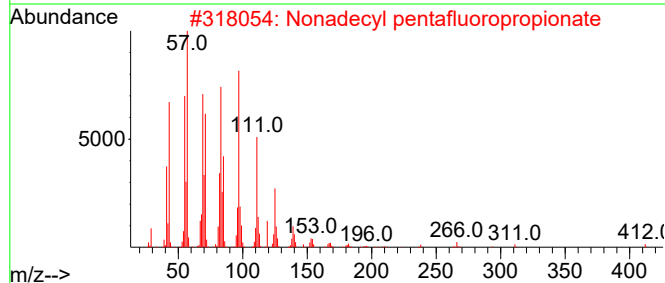
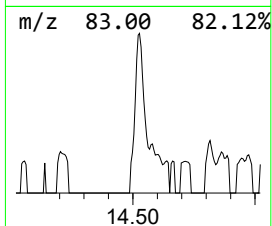
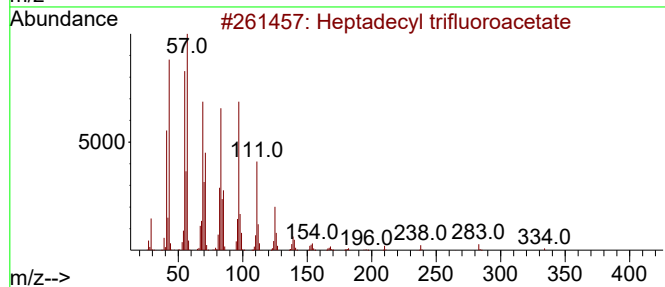
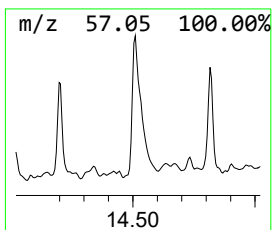
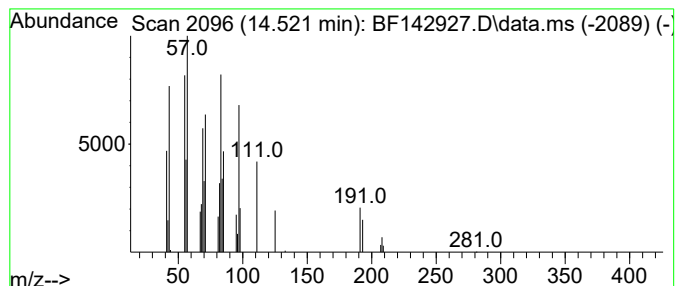
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF061925.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 4 Heptadecyl trifluoroacetate Concentration Rank 4

R.T.	EstConc	Area	Relative to ISTD	R.T.
14.521	2.16 ng	32900	Chrysene-d12	14.045

Hit#	of	5	Tentative ID	MW	MolForm	CAS#	Qual
1			Heptadecyl trifluoroacetate	352	C19H35F3O2	1010351-87-0	83
2			Nonadecyl pentafluoropropionate	430	C22H39F5O2	1000351-88-8	83
3			Octadecyl trifluoroacetate	366	C20H37F3O2	079392-43-1	80
4			Butyl hexadecyl ether	298	C20H42O	1010406-40-5	80
5			Heneicosyl heptafluorobutyrate	508	C25H43F7O2	1000351-83-8	80



Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF063025\
Data File : BF142927.D
Acq On : 30 Jun 2025 21:15
Operator : RC/JU
Sample : Q2436-06
Misc :
ALS Vial : 13 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
TP-83

Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF061925.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

TIC Top Hit name	RT	EstConc	Units	Response	--Internal Standard--			
					#	RT	Resp	Conc
2-Pentanone, 4-...	5.087	5.8	ng	105725	1	6.875	366206	20.0
Benzophenone	10.628	4.3	ng	109649	3	9.910	505044	20.0
17-Pentatriacon...	13.886	4.0	ng	60203	5	14.045	304652	20.0
Heptadecyl trif...	14.521	2.2	ng	32900	5	14.045	304652	20.0

Report of Analysis

Client:	CDM Smith	Date Collected:	06/26/25
Project:	South River WM Replacement	Date Received:	06/26/25
Client Sample ID:	TP-87	SDG No.:	Q2436
Lab Sample ID:	Q2436-07	Matrix:	SOIL
Analytical Method:	8270E	% Solid:	89.9
Sample Wt/Vol:	30.08 Units: g	Final Vol:	1000 uL
Soil Aliquot Vol:	uL	Test:	SVOC-TCL BNA -20
Extraction Type :	Decanted : N	Level :	LOW
Injection Volume :	GPC Factor : 1.0	GPC Cleanup :	N PH :
Prep Method :	SW3541		

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
BF142928.D	1	06/27/25 11:20	06/30/25 21:45	PB168649

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units(Dry Weight)
TARGETS						
100-52-7	Benzaldehyde	170	U	170	370	ug/Kg
108-95-2	Phenol	24.5	U	24.5	190	ug/Kg
111-44-4	bis(2-Chloroethyl)ether	27.0	U	27.0	190	ug/Kg
95-57-8	2-Chlorophenol	27.1	U	27.1	190	ug/Kg
95-48-7	2-Methylphenol	33.2	U	33.2	190	ug/Kg
108-60-1	2,2-oxybis(1-Chloropropane)	41.6	U	41.6	190	ug/Kg
98-86-2	Acetophenone	32.7	U	32.7	190	ug/Kg
65794-96-9	3+4-Methylphenols	45.6	U	45.6	370	ug/Kg
621-64-7	n-Nitroso-di-n-propylamine	52.6	U	52.6	88.8	ug/Kg
67-72-1	Hexachloroethane	19.5	U	19.5	190	ug/Kg
98-95-3	Nitrobenzene	20.3	U	20.3	190	ug/Kg
78-59-1	Isophorone	36.4	U	36.4	190	ug/Kg
88-75-5	2-Nitrophenol	64.6	U	64.6	190	ug/Kg
105-67-9	2,4-Dimethylphenol	71.9	U	71.9	190	ug/Kg
111-91-1	bis(2-Chloroethoxy)methane	34.2	U	34.2	190	ug/Kg
120-83-2	2,4-Dichlorophenol	31.4	U	31.4	190	ug/Kg
91-20-3	Naphthalene	25.2	U	25.2	190	ug/Kg
106-47-8	4-Chloroaniline	39.3	U	39.3	190	ug/Kg
87-68-3	Hexachlorobutadiene	28.1	U	28.1	190	ug/Kg
105-60-2	Caprolactam	57.8	U	57.8	370	ug/Kg
59-50-7	4-Chloro-3-methylphenol	31.8	U	31.8	190	ug/Kg
91-57-6	2-Methylnaphthalene	28.4	U	28.4	190	ug/Kg
77-47-4	Hexachlorocyclopentadiene	130	U	130	370	ug/Kg
88-06-2	2,4,6-Trichlorophenol	22.0	U	22.0	190	ug/Kg
95-95-4	2,4,5-Trichlorophenol	32.3	U	32.3	190	ug/Kg
92-52-4	1,1-Biphenyl	24.2	U	24.2	190	ug/Kg
91-58-7	2-Chloronaphthalene	25.0	U	25.0	190	ug/Kg
88-74-4	2-Nitroaniline	53.4	U	53.4	190	ug/Kg
131-11-3	Dimethylphthalate	30.1	U	30.1	190	ug/Kg

Report of Analysis

Client:	CDM Smith	Date Collected:	06/26/25
Project:	South River WM Replacement	Date Received:	06/26/25
Client Sample ID:	TP-87	SDG No.:	Q2436
Lab Sample ID:	Q2436-07	Matrix:	SOIL
Analytical Method:	8270E	% Solid:	89.9
Sample Wt/Vol:	30.08 Units: g	Final Vol:	1000 uL
Soil Aliquot Vol:	uL	Test:	SVOC-TCL BNA -20
Extraction Type :	Decanted : N	Level :	LOW
Injection Volume :	GPC Factor : 1.0	GPC Cleanup :	N PH :
Prep Method :	SW3541		

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
BF142928.D	1	06/27/25 11:20	06/30/25 21:45	PB168649

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units(Dry Weight)
208-96-8	Acenaphthylene	32.1	U	32.1	190	ug/Kg
606-20-2	2,6-Dinitrotoluene	37.3	U	37.3	190	ug/Kg
99-09-2	3-Nitroaniline	51.0	U	51.0	190	ug/Kg
83-32-9	Acenaphthene	23.6	U	23.6	190	ug/Kg
51-28-5	2,4-Dinitrophenol	250	U	250	370	ug/Kg
100-02-7	4-Nitrophenol	120	U	120	370	ug/Kg
132-64-9	Dibenzofuran	25.2	U	25.2	190	ug/Kg
121-14-2	2,4-Dinitrotoluene	55.6	U	55.6	190	ug/Kg
84-66-2	Diethylphthalate	31.4	U	31.4	190	ug/Kg
7005-72-3	4-Chlorophenyl-phenylether	29.6	U	29.6	190	ug/Kg
86-73-7	Fluorene	28.1	U	28.1	190	ug/Kg
100-01-6	4-Nitroaniline	71.2	U	71.2	190	ug/Kg
534-52-1	4,6-Dinitro-2-methylphenol	110	U	110	370	ug/Kg
86-30-6	n-Nitrosodiphenylamine	36.5	U	36.5	190	ug/Kg
101-55-3	4-Bromophenyl-phenylether	30.8	U	30.8	190	ug/Kg
118-74-1	Hexachlorobenzene	28.1	U	28.1	190	ug/Kg
1912-24-9	Atrazine	37.7	U	37.7	190	ug/Kg
87-86-5	Pentachlorophenol	56.9	U	56.9	370	ug/Kg
85-01-8	Phenanthrene	23.2	U	23.2	190	ug/Kg
120-12-7	Anthracene	36.9	U	36.9	190	ug/Kg
86-74-8	Carbazole	34.6	U	34.6	190	ug/Kg
84-74-2	Di-n-butylphthalate	53.1	U	53.1	190	ug/Kg
206-44-0	Fluoranthene	33.3	U	33.3	190	ug/Kg
129-00-0	Pyrene	39.9	U	39.9	190	ug/Kg
85-68-7	Butylbenzylphthalate	79.2	U	79.2	190	ug/Kg
91-94-1	3,3-Dichlorobenzidine	40.7	U	40.7	370	ug/Kg
56-55-3	Benzo(a)anthracene	25.5	U	25.5	190	ug/Kg
218-01-9	Chrysene	22.1	U	22.1	190	ug/Kg
117-81-7	Bis(2-ethylhexyl)phthalate	65.7	U	65.7	190	ug/Kg
117-84-0	Di-n-octyl phthalate	96.3	U	96.3	370	ug/Kg
205-99-2	Benzo(b)fluoranthene	21.1	U	21.1	190	ug/Kg

Report of Analysis

Client:	CDM Smith	Date Collected:	06/26/25
Project:	South River WM Replacement	Date Received:	06/26/25
Client Sample ID:	TP-87	SDG No.:	Q2436
Lab Sample ID:	Q2436-07	Matrix:	SOIL
Analytical Method:	8270E	% Solid:	89.9
Sample Wt/Vol:	30.08 Units: g	Final Vol:	1000 uL
Soil Aliquot Vol:	uL	Test:	SVOC-TCL BNA -20
Extraction Type :	Decanted : N	Level :	LOW
Injection Volume :	GPC Factor : 1.0	GPC Cleanup :	N PH :
Prep Method :	SW3541		

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
BF142928.D	1	06/27/25 11:20	06/30/25 21:45	PB168649

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units(Dry Weight)
207-08-9	Benzo(k)fluoranthene	24.9	U	24.9	190	ug/Kg
50-32-8	Benzo(a)pyrene	32.7	U	32.7	190	ug/Kg
193-39-5	Indeno(1,2,3-cd)pyrene	32.3	U	32.3	190	ug/Kg
53-70-3	Dibenzo(a,h)anthracene	30.4	U	30.4	190	ug/Kg
191-24-2	Benzo(g,h,i)perylene	28.5	U	28.5	190	ug/Kg
95-94-3	1,2,4,5-Tetrachlorobenzene	28.4	U	28.4	190	ug/Kg
123-91-1	1,4-Dioxane	50.1	U	50.1	190	ug/Kg
58-90-2	2,3,4,6-Tetrachlorophenol	30.4	U	30.4	190	ug/Kg

SURROGATES

367-12-4	2-Fluorophenol	82.4		18 - 112	55%	SPK: 150
13127-88-3	Phenol-d6	81.7		15 - 107	54%	SPK: 150
4165-60-0	Nitrobenzene-d5	53.0		18 - 107	53%	SPK: 100
321-60-8	2-Fluorobiphenyl	52.0		20 - 109	52%	SPK: 100
118-79-6	2,4,6-Tribromophenol	78.7		10 - 116	52%	SPK: 150
1718-51-0	Terphenyl-d14	42.8		10 - 105	43%	SPK: 100

INTERNAL STANDARDS

3855-82-1	1,4-Dichlorobenzene-d4	67200	6.869
1146-65-2	Naphthalene-d8	248000	8.157
15067-26-2	Acenaphthene-d10	124000	9.916
1517-22-2	Phenanthrene-d10	194000	11.404
1719-03-5	Chrysene-d12	121000	14.045
1520-96-3	Perylene-d12	147000	15.539

TENTATIVE IDENTIFIED COMPOUNDS

000123-42-2	2-Pentanone, 4-hydroxy-4-methyl-	230	AB	5.09	ug/Kg
000119-61-9	Benzophenone	170	J	10.6	ug/Kg
959218-78-1	Pentafluoropropionic acid, heptade	120	J	13.9	ug/Kg

Report of Analysis

Client:	CDM Smith	Date Collected:	06/26/25
Project:	South River WM Replacement	Date Received:	06/26/25
Client Sample ID:	TP-87	SDG No.:	Q2436
Lab Sample ID:	Q2436-07	Matrix:	SOIL
Analytical Method:	8270E	% Solid:	89.9
Sample Wt/Vol:	30.08 Units: g	Final Vol:	1000 uL
Soil Aliquot Vol:	uL	Test:	SVOC-TCL BNA -20
Extraction Type :	Decanted : N	Level :	LOW
Injection Volume :	GPC Factor : 1.0	GPC Cleanup :	N PH :
Prep Method :	SW3541		

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
BF142928.D	1	06/27/25 11:20	06/30/25 21:45	PB168649

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\BF063025\
Data File : BF142928.D
Acq On : 30 Jun 2025 21:45
Operator : RC/JU
Sample : Q2436-07
Misc :
ALS Vial : 14 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
TP-87

Quant Time: Jul 01 01:25:22 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF061925.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Tue Jun 24 05:28:21 2025
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) 1,4-Dichlorobenzene-d4	6.869	152	67163	20.000	ng	-0.01
21) Naphthalene-d8	8.157	136	247558	20.000	ng	-0.01
39) Acenaphthene-d10	9.916	164	123575	20.000	ng	0.00
64) Phenanthrene-d10	11.404	188	193646	20.000	ng	0.00
76) Chrysene-d12	14.045	240	120667	20.000	ng	-0.01
86) Perylene-d12	15.539	264	147185	20.000	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.493	112	332312	82.378	ng	0.00
7) Phenol-d6	6.498	99	388993	81.733	ng	-0.01
23) Nitrobenzene-d5	7.434	82	239121	52.981	ng	-0.01
42) 2,4,6-Tribromophenol	10.704	330	100019	78.652	ng	-0.01
45) 2-Fluorobiphenyl	9.234	172	489411	52.027	ng	-0.01
79) Terphenyl-d14	12.986	244	373852	42.808	ng	-0.01

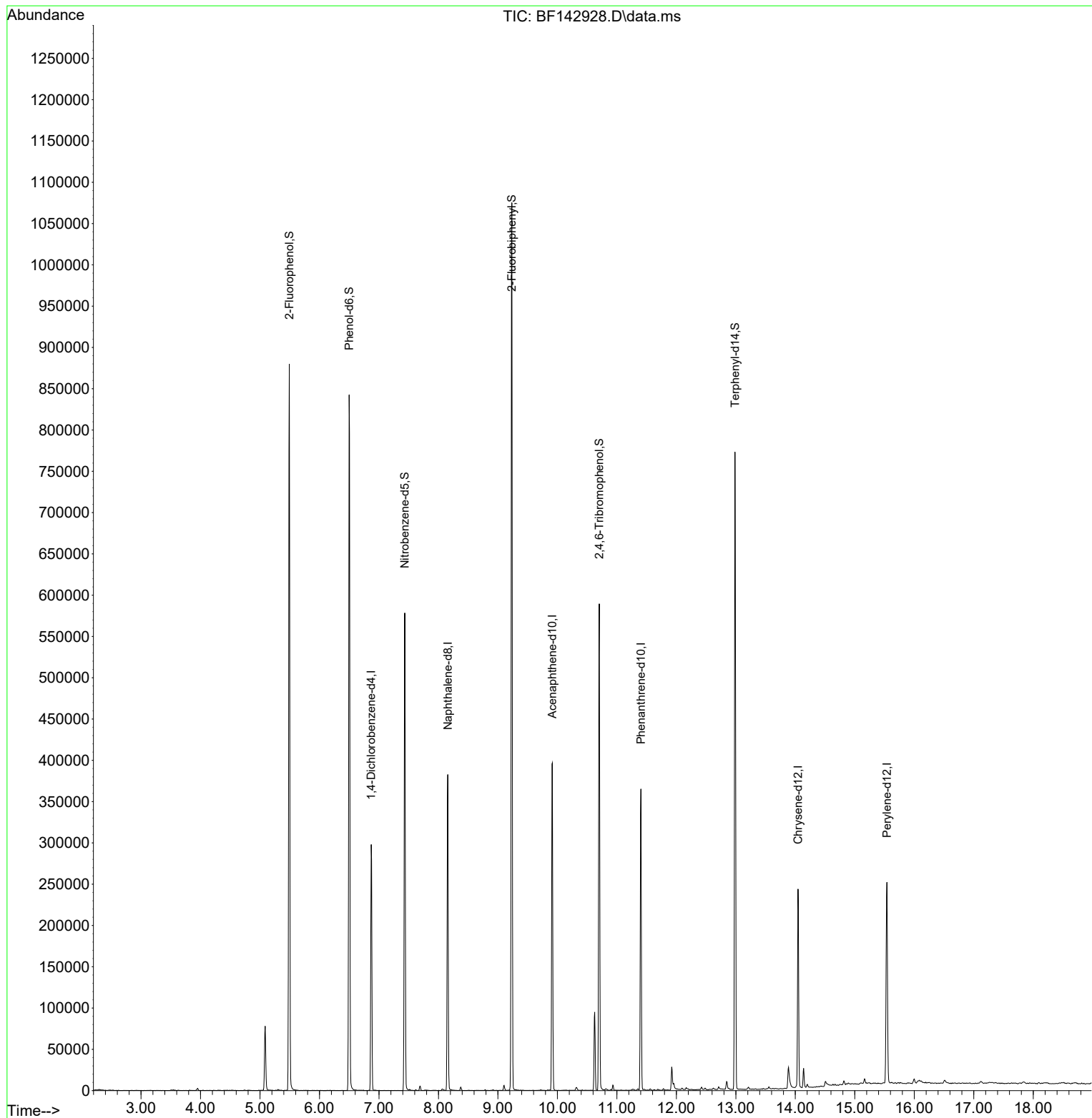
Target Compounds	Qvalue

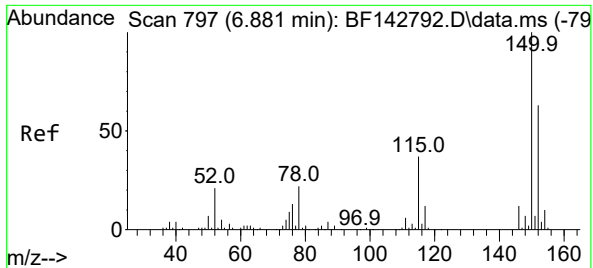
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF063025\
Data File : BF142928.D
Acq On : 30 Jun 2025 21:45
Operator : RC/JU
Sample : Q2436-07
Misc :
ALS Vial : 14 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
TP-87

Quant Time: Jul 01 01:25:22 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF061925.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Tue Jun 24 05:28:21 2025
Response via : Initial Calibration

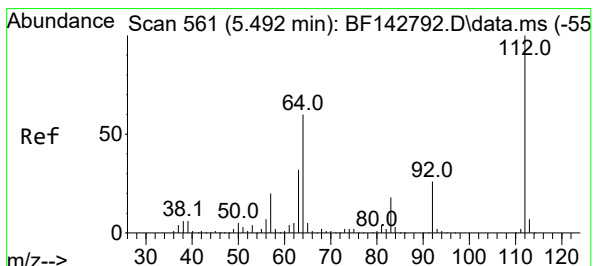
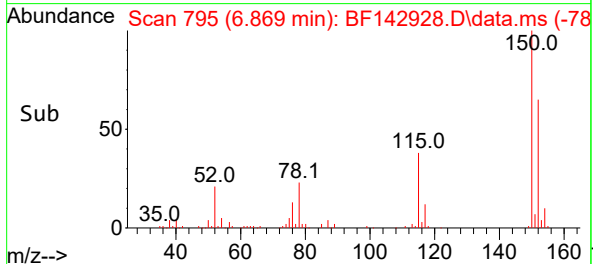
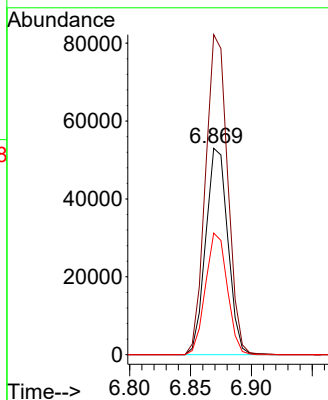
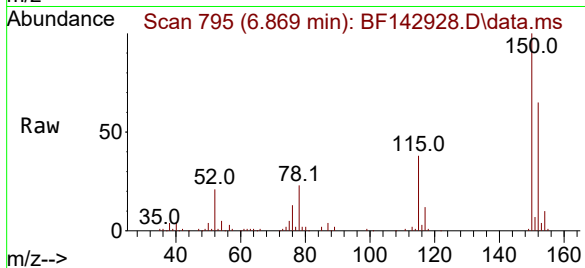




#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.869 min Scan# 797
Delta R.T. -0.012 min
Lab File: BF142928.D
Acq: 30 Jun 2025 21:45

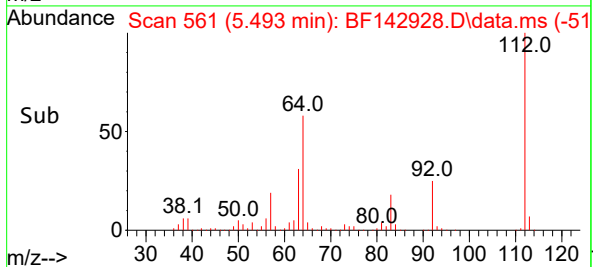
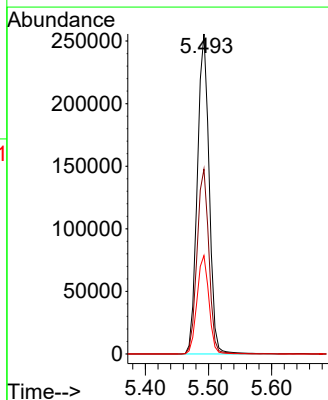
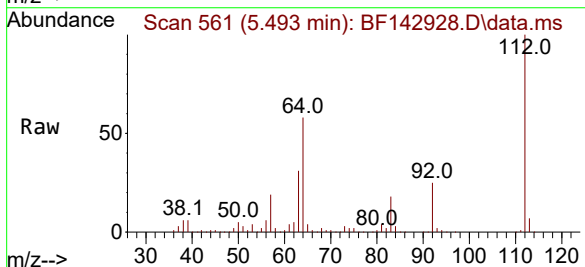
Instrument :
BNA_F
ClientSampleId :
TP-87

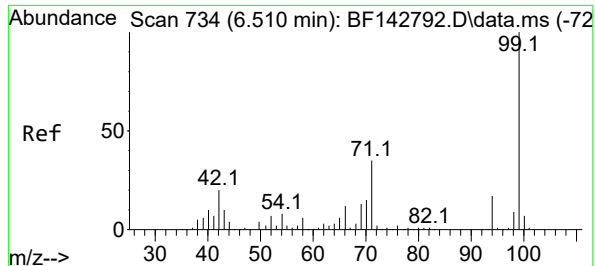
Tgt Ion:152 Resp: 67163
Ion Ratio Lower Upper
152 100
150 155.0 127.2 190.8
115 58.9 46.6 69.8



#5
2-Fluorophenol
Concen: 82.378 ng
RT: 5.493 min Scan# 561
Delta R.T. 0.001 min
Lab File: BF142928.D
Acq: 30 Jun 2025 21:45

Tgt Ion:112 Resp: 332312
Ion Ratio Lower Upper
112 100
64 57.8 48.2 72.2
63 30.8 25.7 38.5

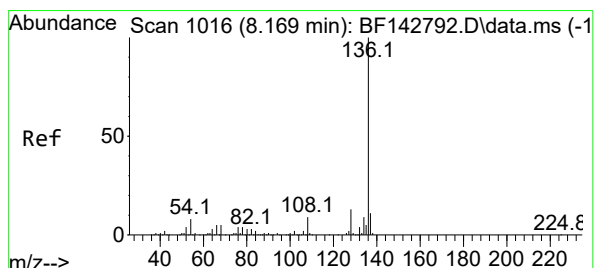
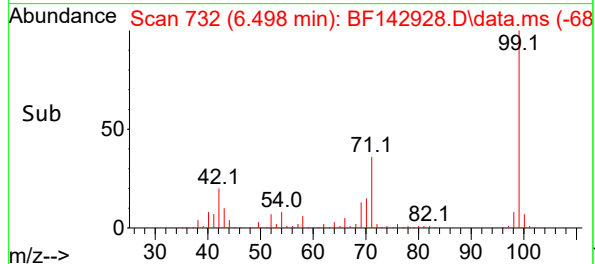
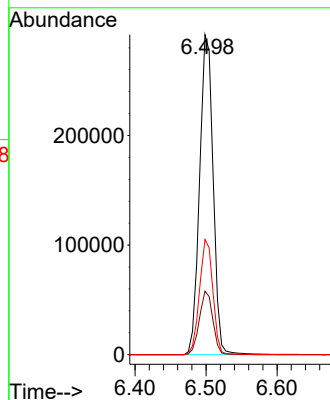
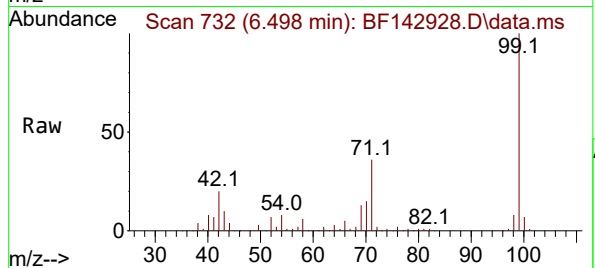




#7
Phenol-d6
Concen: 81.733 ng
RT: 6.498 min Scan# 71
Delta R.T. -0.012 min
Lab File: BF142928.D
Acq: 30 Jun 2025 21:45

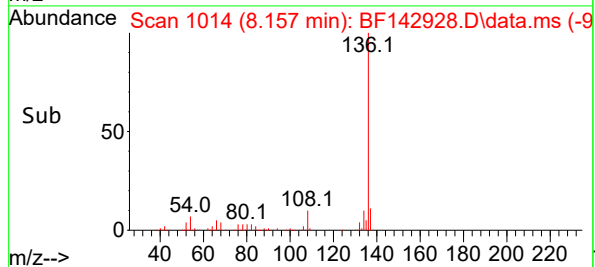
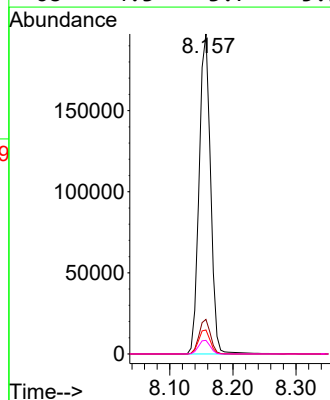
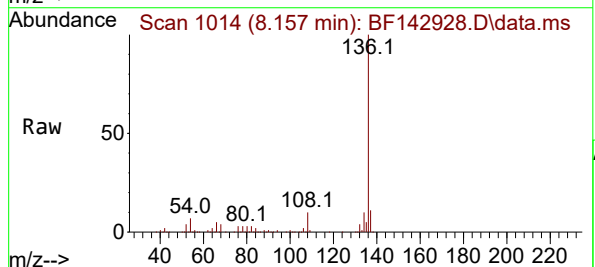
Instrument :
BNA_F
ClientSampleId :
TP-87

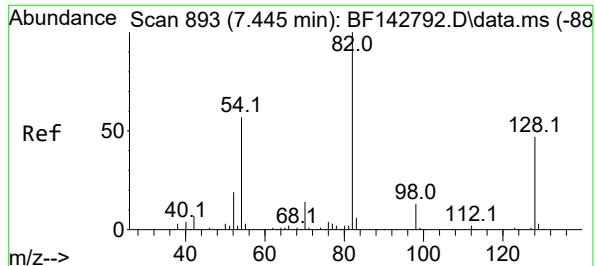
Tgt Ion: 99 Resp: 388993
Ion Ratio Lower Upper
99 100
42 19.8 15.9 23.9
71 36.0 27.8 41.8



#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.157 min Scan# 1014
Delta R.T. -0.012 min
Lab File: BF142928.D
Acq: 30 Jun 2025 21:45

Tgt Ion: 136 Resp: 247558
Ion Ratio Lower Upper
136 100
137 10.8 8.4 12.6
54 7.5 6.3 9.5
68 4.3 3.7 5.5





#23

Nitrobenzene-d5

Concen: 52.981 ng

RT: 7.434 min Scan# 89

Delta R.T. -0.011 min

Lab File: BF142928.D

Acq: 30 Jun 2025 21:45

Instrument :

BNA_F

ClientSampleId :

TP-87

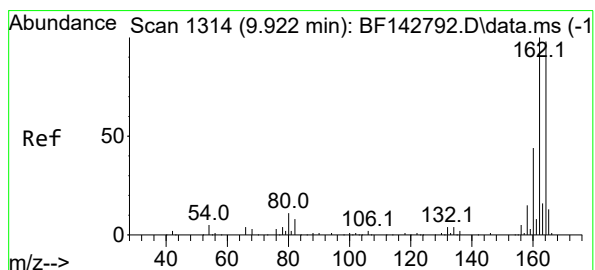
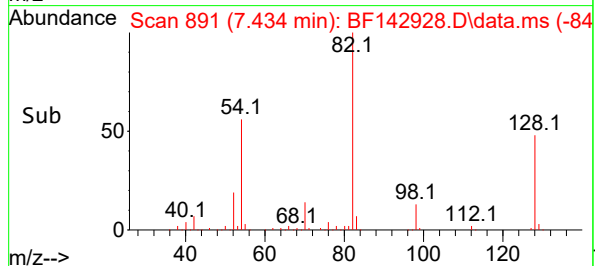
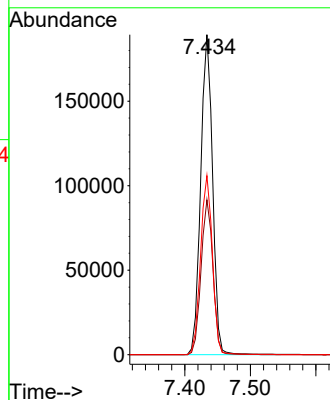
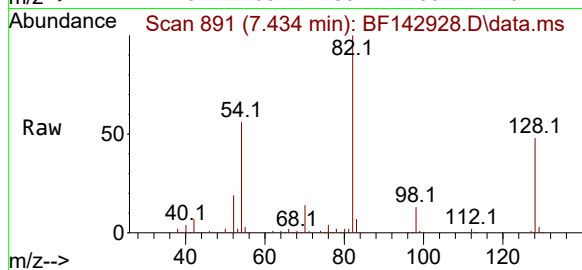
Tgt Ion: 82 Resp: 239121

Ion Ratio Lower Upper

82 100

128 48.4 37.7 56.5

54 55.9 45.7 68.5



#39

Acenaphthene-d10

Concen: 20.000 ng

RT: 9.916 min Scan# 1313

Delta R.T. -0.006 min

Lab File: BF142928.D

Acq: 30 Jun 2025 21:45

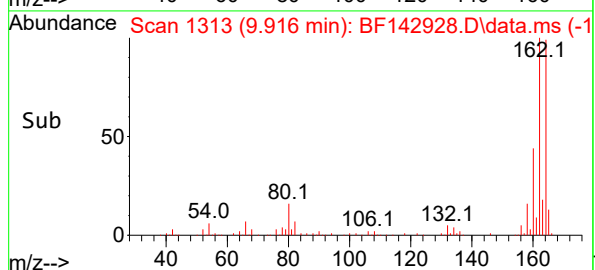
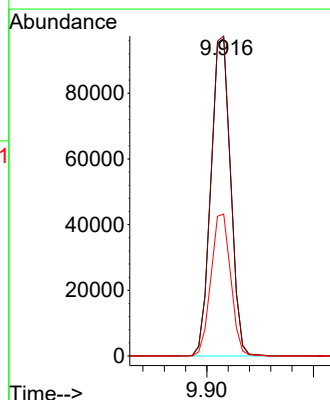
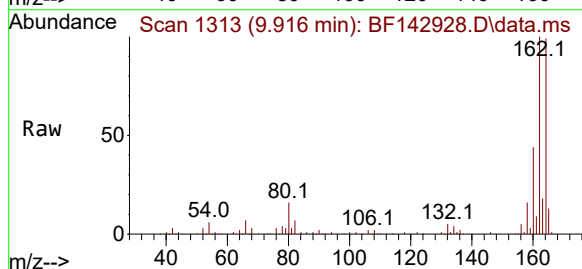
Tgt Ion:164 Resp: 123575

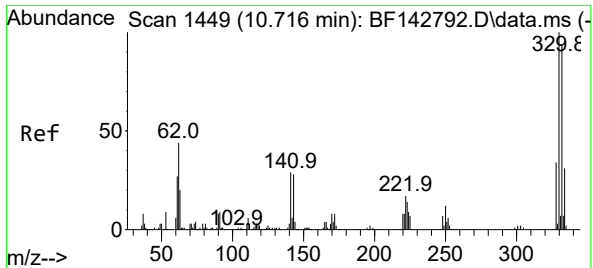
Ion Ratio Lower Upper

164 100

162 100.8 81.8 122.8

160 44.7 36.0 54.0

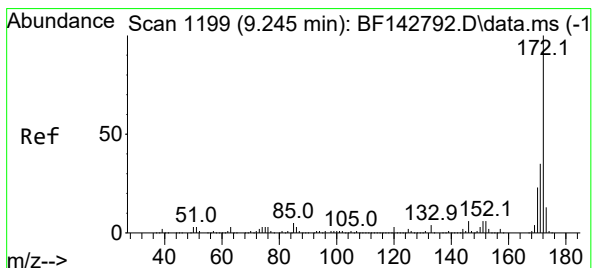
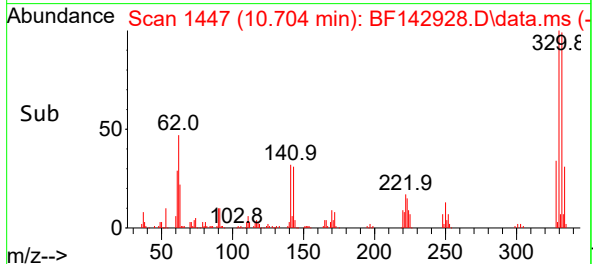
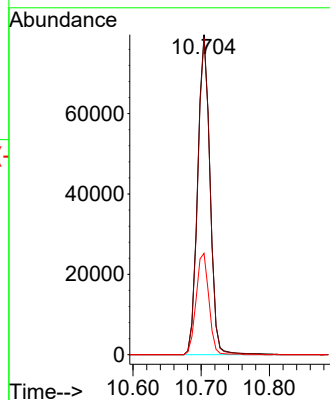
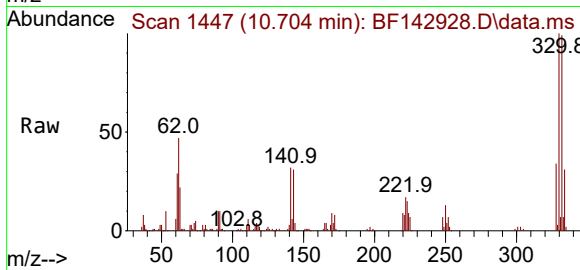




#42
2,4,6-Tribromophenol
Concen: 78.652 ng
RT: 10.704 min Scan# 1447
Delta R.T. -0.012 min
Lab File: BF142928.D
Acq: 30 Jun 2025 21:45

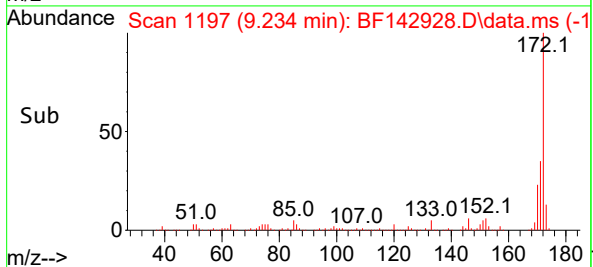
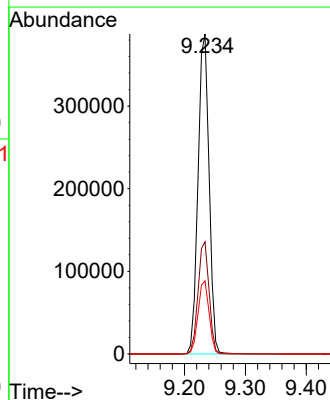
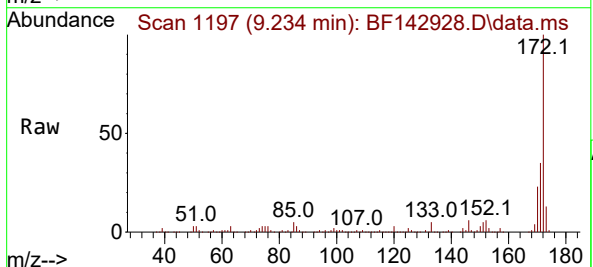
Instrument :
BNA_F
ClientSampleId :
TP-87

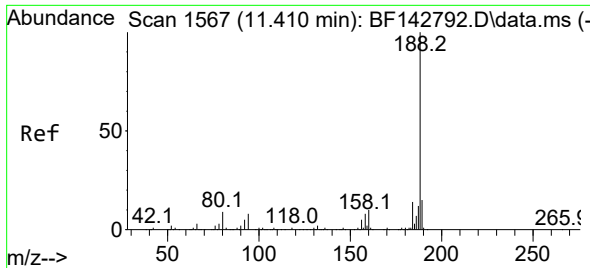
Tgt Ion:330 Resp: 100019
Ion Ratio Lower Upper
330 100
332 98.4 75.0 112.6
141 32.7 25.3 37.9



#45
2-Fluorobiphenyl
Concen: 52.027 ng
RT: 9.234 min Scan# 1197
Delta R.T. -0.011 min
Lab File: BF142928.D
Acq: 30 Jun 2025 21:45

Tgt Ion:172 Resp: 489411
Ion Ratio Lower Upper
172 100
171 35.0 28.2 42.4
170 22.9 18.5 27.7

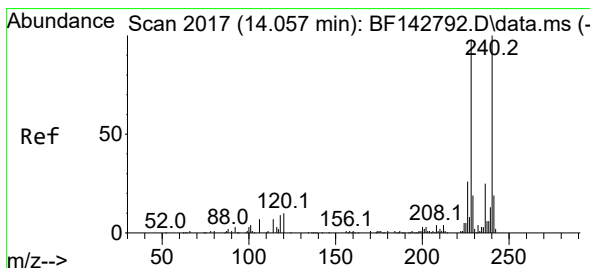
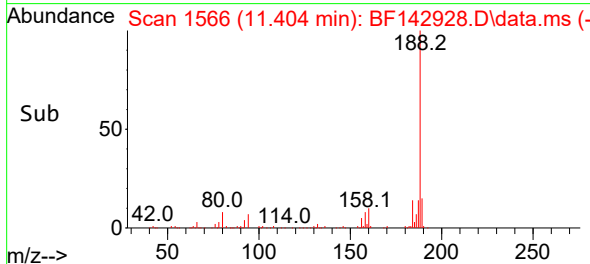
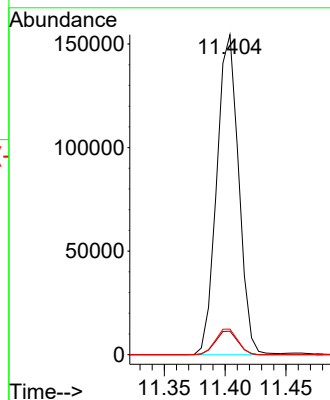
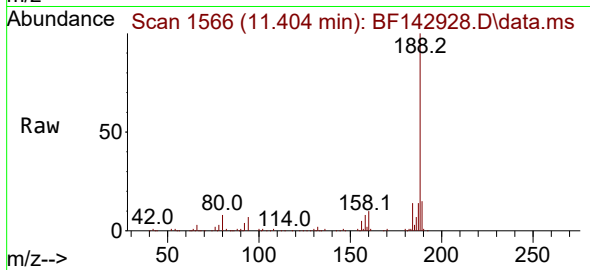




#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.404 min Scan# 11
Delta R.T. -0.006 min
Lab File: BF142928.D
Acq: 30 Jun 2025 21:45

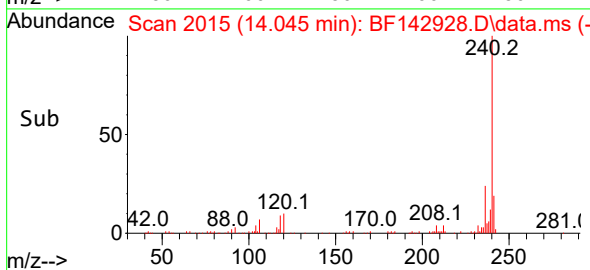
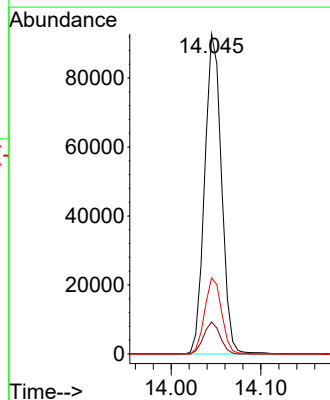
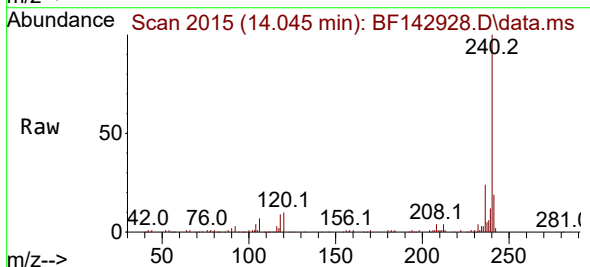
Instrument :
BNA_F
ClientSampleId :
TP-87

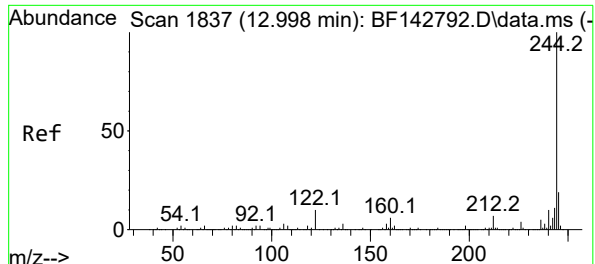
Tgt Ion	Ratio	Lower	Upper
188	100		
94	7.3	6.7	10.1
80	8.0	6.9	10.3



#76
Chrysene-d12
Concen: 20.000 ng
RT: 14.045 min Scan# 2015
Delta R.T. -0.012 min
Lab File: BF142928.D
Acq: 30 Jun 2025 21:45

Tgt Ion	Ratio	Lower	Upper
240	100		
120	10.0	8.2	12.2
236	23.8	19.8	29.8





#79

Terphenyl-d14

Concen: 42.808 ng

RT: 12.986 min Scan# 11

Delta R.T. -0.012 min

Lab File: BF142928.D

Acq: 30 Jun 2025 21:45

Instrument :

BNA_F

ClientSampleId :

TP-87

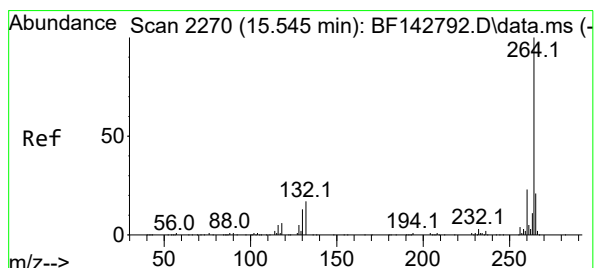
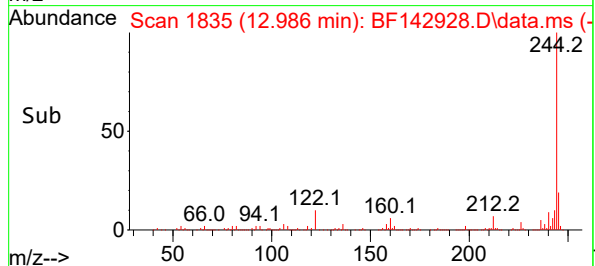
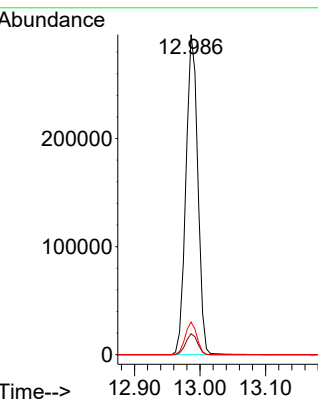
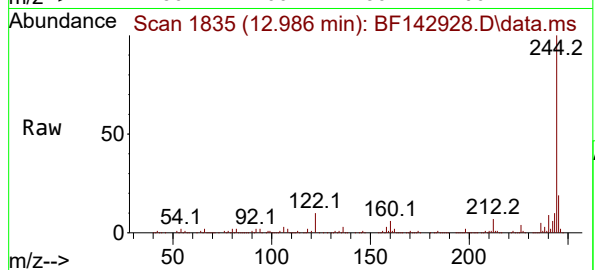
Tgt Ion:244 Resp: 373852

Ion Ratio Lower Upper

244 100

212 6.6 5.4 8.0

122 10.2 8.2 12.2



#86

Perylene-d12

Concen: 20.000 ng

RT: 15.539 min Scan# 2269

Delta R.T. -0.006 min

Lab File: BF142928.D

Acq: 30 Jun 2025 21:45

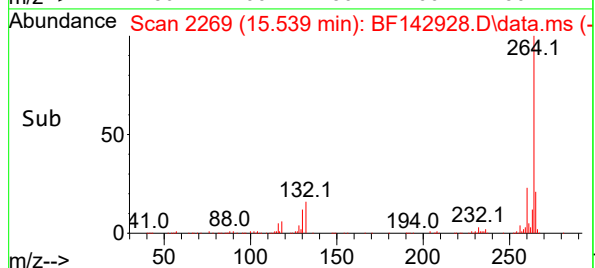
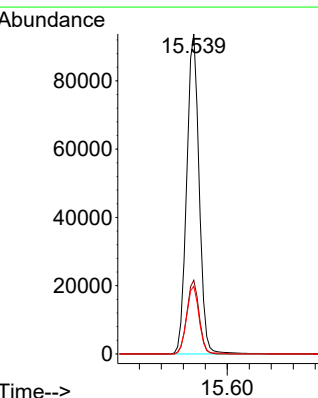
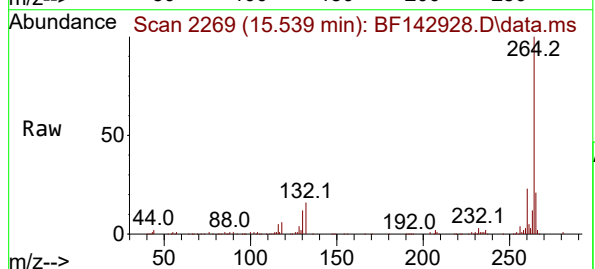
Tgt Ion:264 Resp: 147185

Ion Ratio Lower Upper

264 100

260 23.1 18.1 27.1

265 21.2 16.6 25.0



Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF063025\
 Data File : BF142928.D
 Acq On : 30 Jun 2025 21:45
 Operator : RC/JU
 Sample : Q2436-07
 Misc :
 ALS Vial : 14 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 TP-87

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-BF061925.M

Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

Signal : TIC: BF142928.D\data.ms

peak #	R.T. min	first scan	max scan	last scan	PK TY	peak height	corr. area	corr. % max.	% of total
1	5.087	484	492	500	rBV	77791	115538	8.46%	1.293%
2	5.493	555	561	579	rBV	879571	1140694	83.50%	12.763%
3	6.498	727	732	753	rBV	842435	1126082	82.43%	12.599%
4	6.869	791	795	801	rBV	297923	370613	27.13%	4.147%
5	7.434	885	891	896	rBV	578401	724221	53.01%	8.103%
6	8.157	1009	1014	1019	rBV	382383	474485	34.73%	5.309%
7	9.234	1191	1197	1202	rBV	1074308	1366164	100.00%	15.285%
8	9.916	1307	1313	1318	rBV	396190	507154	37.12%	5.674%
9	10.628	1429	1434	1442	rVB	94721	118656	8.69%	1.328%
10	10.704	1442	1447	1460	rBV	589239	747777	54.74%	8.367%
11	11.404	1561	1566	1572	rBV	364582	454854	33.29%	5.089%
12	11.922	1649	1654	1658	rBV	28015	40077	2.93%	0.448%
13	12.845	1807	1811	1816	rBV	9326	14335	1.05%	0.160%
14	12.986	1830	1835	1840	rBV	771707	960690	70.32%	10.749%
15	13.886	1983	1988	2001	rBV	25349	52977	3.88%	0.593%
16	14.045	2007	2015	2026	rVB	240538	313392	22.94%	3.506%
17	14.139	2026	2031	2037	rBV	23288	31114	2.28%	0.348%
18	15.539	2262	2269	2278	rBV	243084	378908	27.74%	4.239%

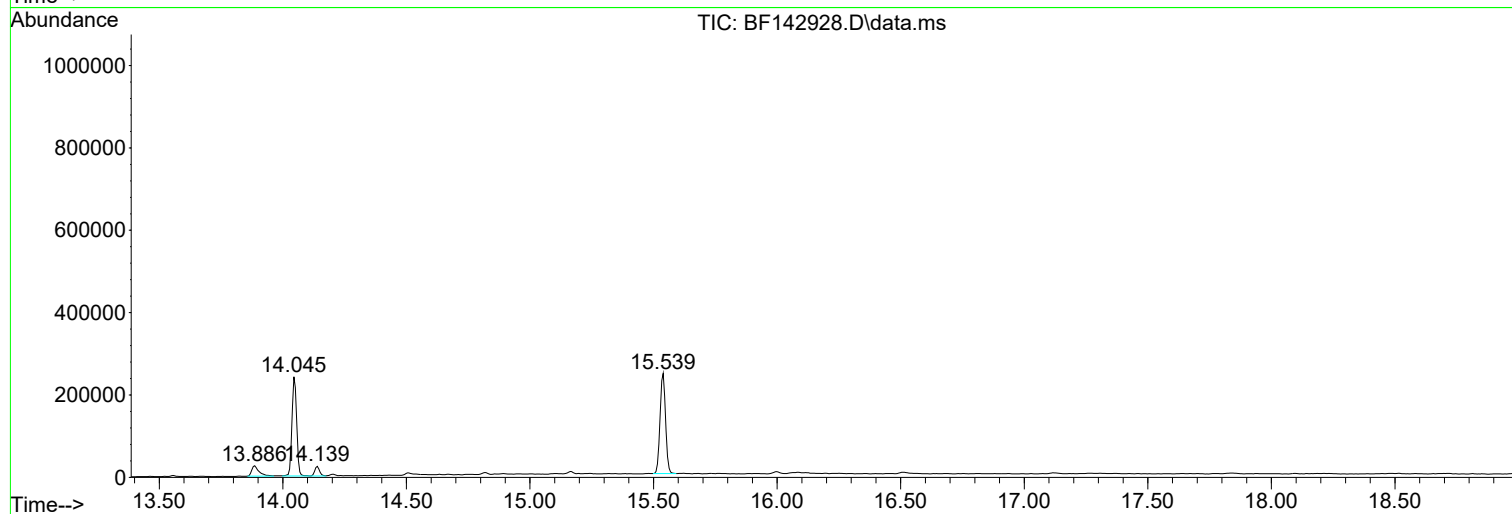
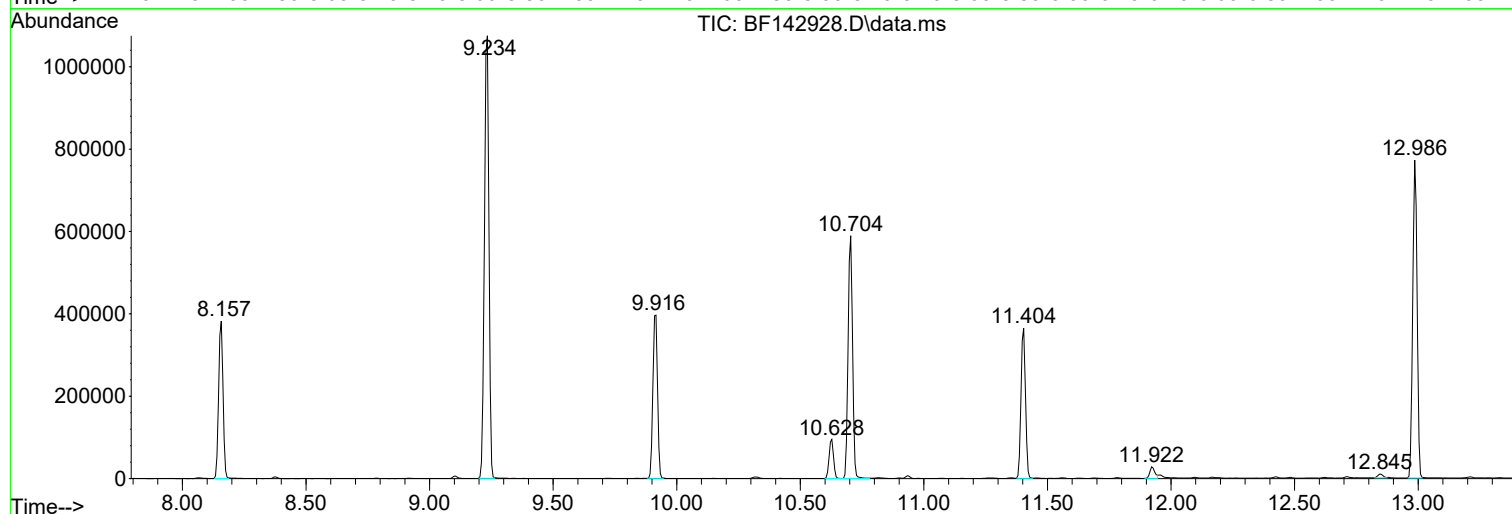
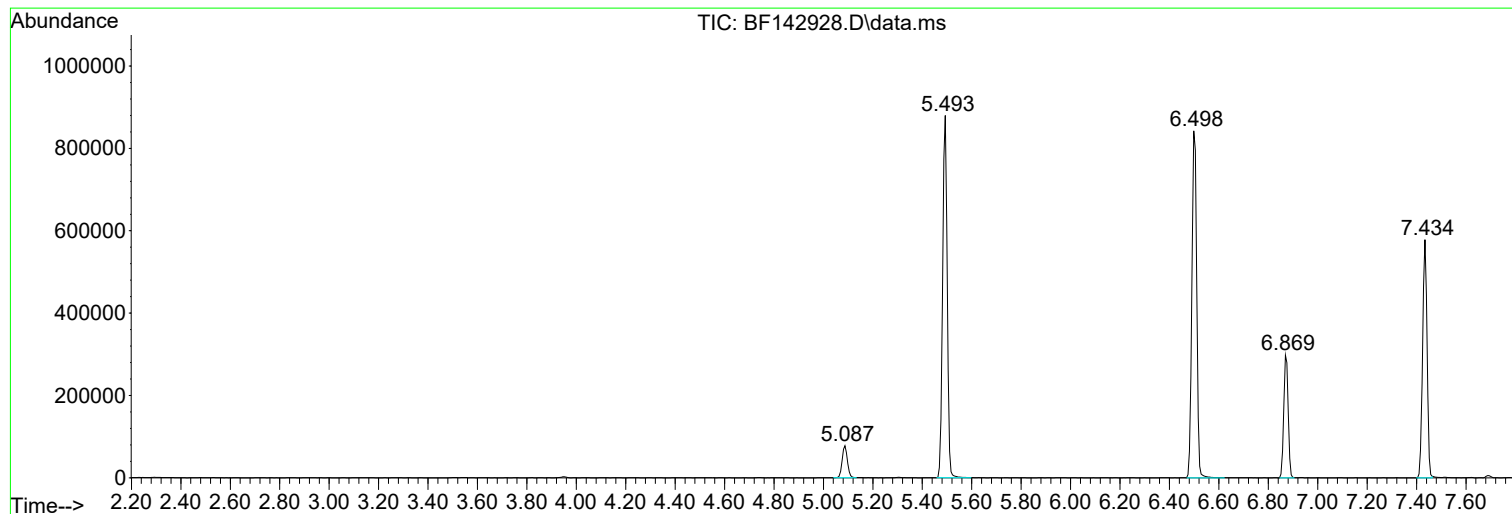
Sum of corrected areas: 8937731

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF063025\
Data File : BF142928.D
Acq On : 30 Jun 2025 21:45
Operator : RC/JU
Sample : Q2436-07
Misc :
ALS Vial : 14 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
TP-87

Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF061925.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\BF063025\
Data File : BF142928.D
Acq On : 30 Jun 2025 21:45
Operator : RC/JU
Sample : Q2436-07
Misc :
ALS Vial : 14 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
TP-87

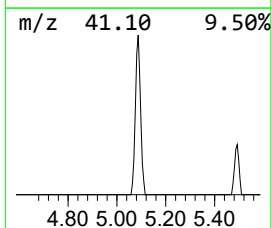
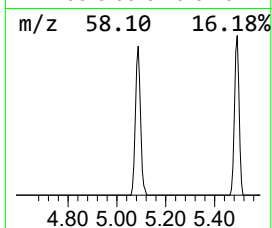
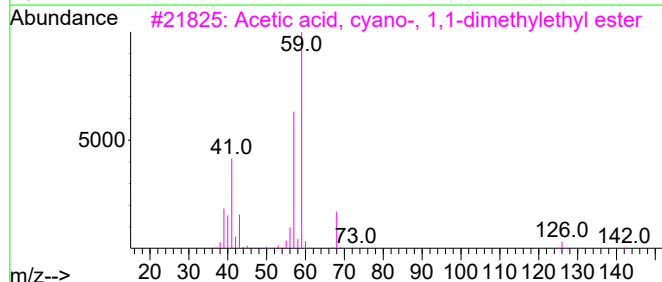
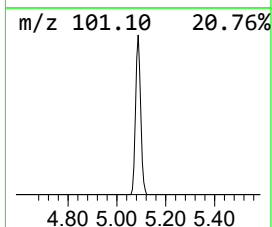
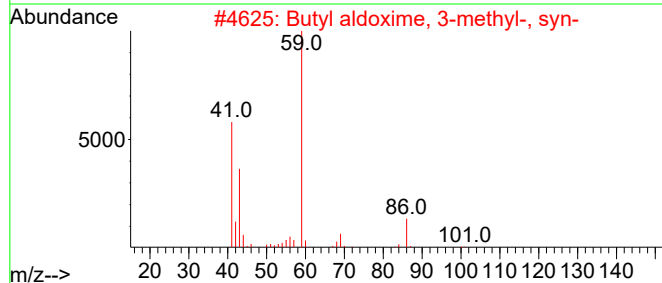
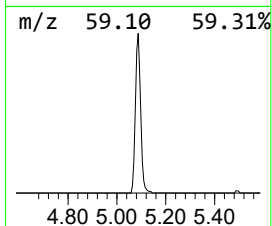
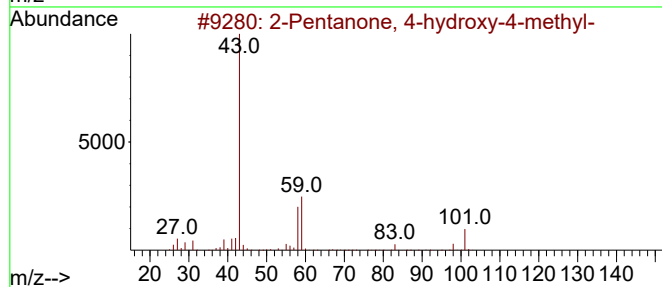
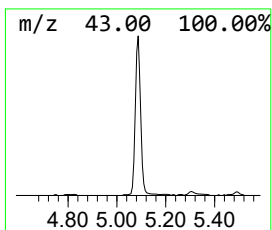
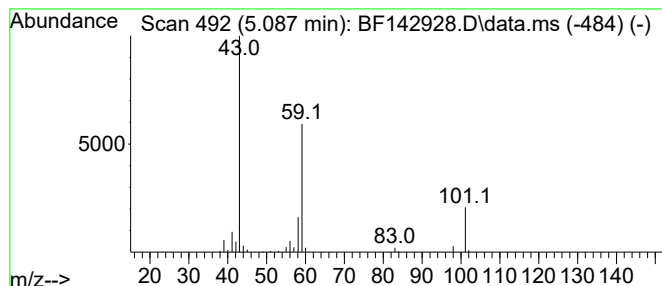
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF061925.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

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

R.T.	EstConc	Area	Relative to ISTD	R.T.
5.087	6.23 ng	115538	1,4-Dichlorobenzene-d4	6.869

Hit#	of	5	Tentative ID	MW	MolForm	CAS#	Qual
1	2-Pentanone, 4-hydroxy-4-methyl-	116	C6H12O2	000123-42-2	72		
2	Butyl aldoxime, 3-methyl-, syn-	101	C5H11NO	005780-40-5	38		
3	Acetic acid, cyano-, 1,1-dimethy...	141	C7H11NO2	001116-98-9	17		
4	2,3-Butanedione, monooxime	101	C4H7NO2	000057-71-6	9		
5	3-Hexanol, 4-ethyl-	130	C8H18O	019780-44-0	9		



Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF063025\
Data File : BF142928.D
Acq On : 30 Jun 2025 21:45
Operator : RC/JU
Sample : Q2436-07
Misc :
ALS Vial : 14 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
TP-87

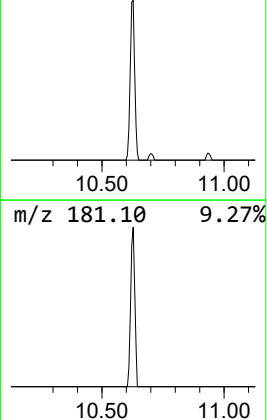
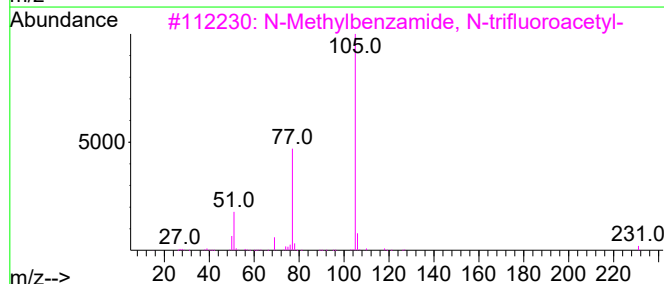
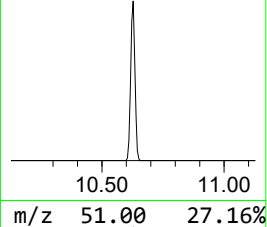
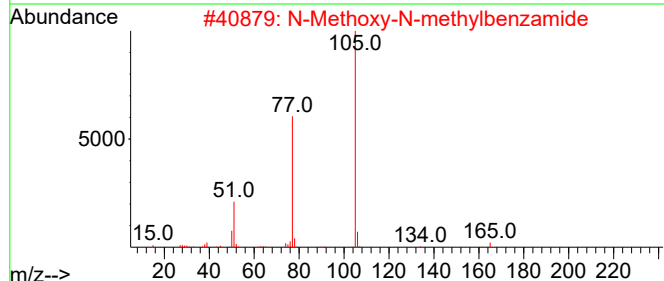
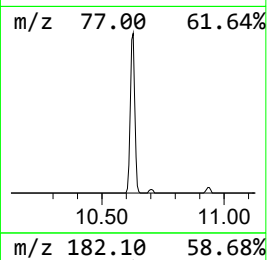
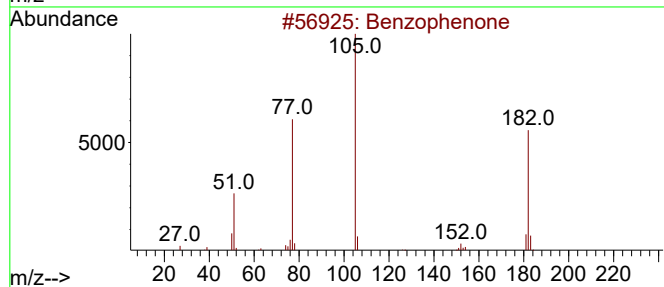
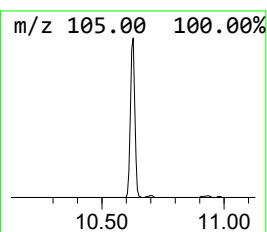
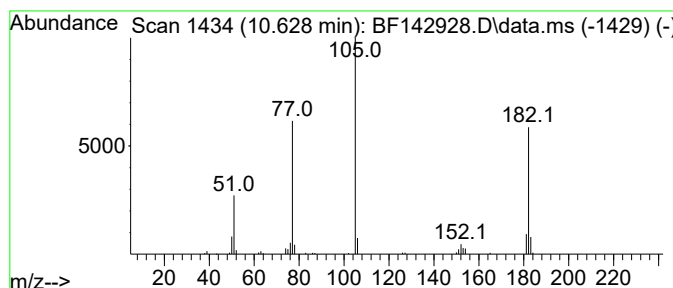
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF061925.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 2 Benzophenone Concentration Rank 2

R.T.	EstConc	Area	Relative to ISTD	R.T.
10.628	4.68 ng	118656	Acenaphthene-d10	9.916

Hit#	of	5	Tentative ID	MW	MolForm	CAS#	Qual
1			Benzophenone	182	C13H10O	000119-61-9	96
2			N-Methoxy-N-methylbenzamide	165	C9H11NO2	006919-61-5	47
3			N-Methylbenzamide, N-trifluoroac...	231	C10H8F3NO2	1000446-91-5	47
4			Vinyl benzoate	148	C9H8O2	000769-78-8	47
5			2-Benzoyl-4-bromo-5-methyl-1,2-o...	281	C11H8BrNO3	1000444-92-3	47



Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF063025\
Data File : BF142928.D
Acq On : 30 Jun 2025 21:45
Operator : RC/JU
Sample : Q2436-07
Misc :
ALS Vial : 14 Sample Multiplier: 1

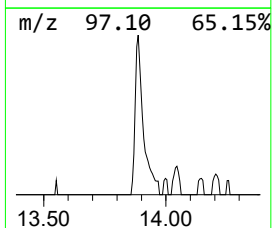
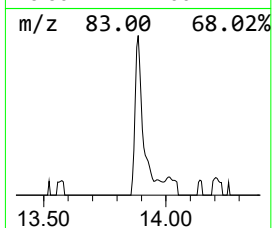
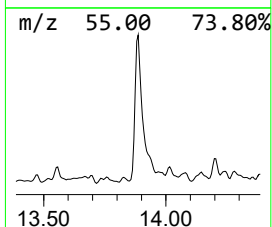
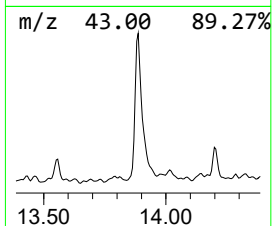
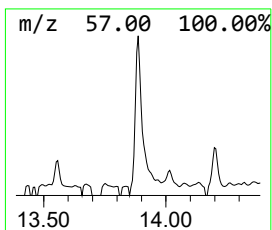
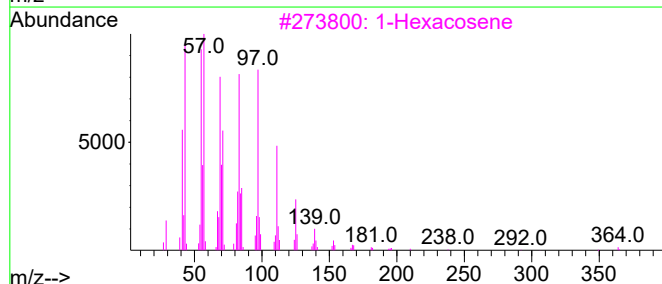
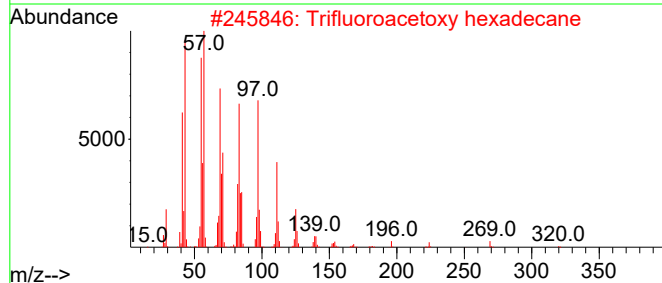
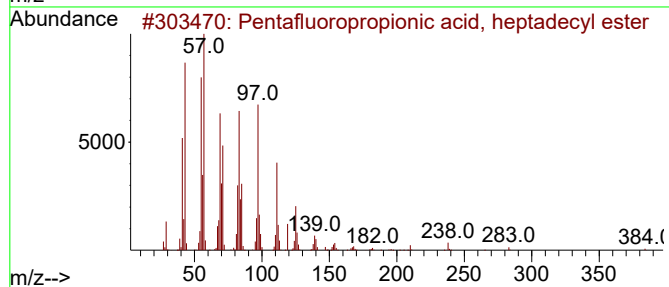
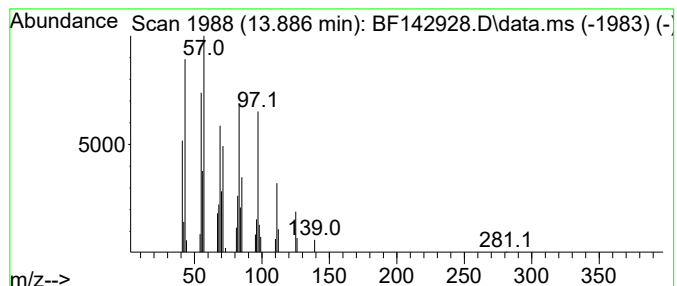
Instrument :
BNA_F
ClientSampleId :
TP-87

Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF061925.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 3 Pentafluoropropionic acid, ... Concentration Rank 3

R.T.	EstConc	Area	Relative to ISTD	R.T.	
13.886	3.38 ng	52977	Chrysene-d12	14.045	
Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Pentafluoropropionic acid, hepta...	402	C20H35F5O2	959218-78-1	94
2	Trifluoroacetoxy hexadecane	338	C18H33F3O2	006222-03-3	94
3	1-Hexacosene	364	C26H52	018835-33-1	91
4	Pentafluoropropionic acid, octad...	416	C21H37F5O2	959261-25-7	91
5	Heptafluorobutyric acid, hexadec...	438	C20H33F7O2	006385-15-5	91



Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF063025\
Data File : BF142928.D
Acq On : 30 Jun 2025 21:45
Operator : RC/JU
Sample : Q2436-07
Misc :
ALS Vial : 14 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
TP-87

Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF061925.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

TIC Top Hit name	RT	EstConc	Units	Response	--Internal Standard--			
					#	RT	Resp	Conc
2-Pentanone, 4-...	5.087	6.2	ng	115538	1	6.869	370613	20.0
Benzophenone	10.628	4.7	ng	118656	3	9.916	507154	20.0
Pentafluoroprop...	13.886	3.4	ng	52977	5	14.045	313392	20.0

Report of Analysis

Client:	CDM Smith	Date Collected:	06/26/25
Project:	South River WM Replacement	Date Received:	06/26/25
Client Sample ID:	TP-100	SDG No.:	Q2436
Lab Sample ID:	Q2436-08	Matrix:	SOIL
Analytical Method:	8270E	% Solid:	85.6
Sample Wt/Vol:	30.05	Units:	g
Soil Aliquot Vol:			uL
Extraction Type :		Decanted :	N
Injection Volume :		GPC Factor :	1.0
Prep Method :	SW3541	Level :	LOW
		Test:	SVOC-TCL BNA -20
		GPC Cleanup :	N
		PH :	

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
BF142930.D	1	06/27/25 11:20	06/30/25 22:45	PB168649

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units(Dry Weight)
TARGETS						
100-52-7	Benzaldehyde	180	U	180	380	ug/Kg
108-95-2	Phenol	25.8	U	25.8	200	ug/Kg
111-44-4	bis(2-Chloroethyl)ether	28.3	U	28.3	200	ug/Kg
95-57-8	2-Chlorophenol	28.5	U	28.5	200	ug/Kg
95-48-7	2-Methylphenol	34.9	U	34.9	200	ug/Kg
108-60-1	2,2-oxybis(1-Chloropropane)	43.7	U	43.7	200	ug/Kg
98-86-2	Acetophenone	34.4	U	34.4	200	ug/Kg
65794-96-9	3+4-Methylphenols	47.9	U	47.9	380	ug/Kg
621-64-7	n-Nitroso-di-n-propylamine	55.3	U	55.3	93.3	ug/Kg
67-72-1	Hexachloroethane	20.5	U	20.5	200	ug/Kg
98-95-3	Nitrobenzene	21.3	U	21.3	200	ug/Kg
78-59-1	Isophorone	38.3	U	38.3	200	ug/Kg
88-75-5	2-Nitrophenol	67.9	U	67.9	200	ug/Kg
105-67-9	2,4-Dimethylphenol	75.6	U	75.6	200	ug/Kg
111-91-1	bis(2-Chloroethoxy)methane	35.9	U	35.9	200	ug/Kg
120-83-2	2,4-Dichlorophenol	33.0	U	33.0	200	ug/Kg
91-20-3	Naphthalene	26.5	U	26.5	200	ug/Kg
106-47-8	4-Chloroaniline	41.3	U	41.3	200	ug/Kg
87-68-3	Hexachlorobutadiene	29.5	U	29.5	200	ug/Kg
105-60-2	Caprolactam	60.8	U	60.8	380	ug/Kg
59-50-7	4-Chloro-3-methylphenol	33.5	U	33.5	200	ug/Kg
91-57-6	2-Methylnaphthalene	29.9	U	29.9	200	ug/Kg
77-47-4	Hexachlorocyclopentadiene	140	U	140	380	ug/Kg
88-06-2	2,4,6-Trichlorophenol	23.1	U	23.1	200	ug/Kg
95-95-4	2,4,5-Trichlorophenol	33.9	U	33.9	200	ug/Kg
92-52-4	1,1-Biphenyl	25.4	U	25.4	200	ug/Kg
91-58-7	2-Chloronaphthalene	26.2	U	26.2	200	ug/Kg
88-74-4	2-Nitroaniline	56.1	U	56.1	200	ug/Kg
131-11-3	Dimethylphthalate	31.6	U	31.6	200	ug/Kg

Report of Analysis

Client:	CDM Smith	Date Collected:	06/26/25
Project:	South River WM Replacement	Date Received:	06/26/25
Client Sample ID:	TP-100	SDG No.:	Q2436
Lab Sample ID:	Q2436-08	Matrix:	SOIL
Analytical Method:	8270E	% Solid:	85.6
Sample Wt/Vol:	30.05 Units: g	Final Vol:	1000 uL
Soil Aliquot Vol:	uL	Test:	SVOC-TCL BNA -20
Extraction Type :	Decanted : N	Level :	LOW
Injection Volume :	GPC Factor : 1.0	GPC Cleanup :	N PH :
Prep Method :	SW3541		

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
BF142930.D	1	06/27/25 11:20	06/30/25 22:45	PB168649

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units(Dry Weight)
208-96-8	Acenaphthylene	33.7	U	33.7	200	ug/Kg
606-20-2	2,6-Dinitrotoluene	39.2	U	39.2	200	ug/Kg
99-09-2	3-Nitroaniline	53.6	U	53.6	200	ug/Kg
83-32-9	Acenaphthene	24.8	U	24.8	200	ug/Kg
51-28-5	2,4-Dinitrophenol	270	U	270	380	ug/Kg
100-02-7	4-Nitrophenol	120	U	120	380	ug/Kg
132-64-9	Dibenzofuran	26.5	U	26.5	200	ug/Kg
121-14-2	2,4-Dinitrotoluene	58.4	U	58.4	200	ug/Kg
84-66-2	Diethylphthalate	33.0	U	33.0	200	ug/Kg
7005-72-3	4-Chlorophenyl-phenylether	31.1	U	31.1	200	ug/Kg
86-73-7	Fluorene	29.5	U	29.5	200	ug/Kg
100-01-6	4-Nitroaniline	74.9	U	74.9	200	ug/Kg
534-52-1	4,6-Dinitro-2-methylphenol	120	U	120	380	ug/Kg
86-30-6	n-Nitrosodiphenylamine	38.4	U	38.4	200	ug/Kg
101-55-3	4-Bromophenyl-phenylether	32.4	U	32.4	200	ug/Kg
118-74-1	Hexachlorobenzene	29.5	U	29.5	200	ug/Kg
1912-24-9	Atrazine	39.7	U	39.7	200	ug/Kg
87-86-5	Pentachlorophenol	59.8	U	59.8	380	ug/Kg
85-01-8	Phenanthrene	24.4	U	24.4	200	ug/Kg
120-12-7	Anthracene	38.8	U	38.8	200	ug/Kg
86-74-8	Carbazole	36.4	U	36.4	200	ug/Kg
84-74-2	Di-n-butylphthalate	55.9	U	55.9	200	ug/Kg
206-44-0	Fluoranthene	78.8	J	35.0	200	ug/Kg
129-00-0	Pyrene	81.8	J	42.0	200	ug/Kg
85-68-7	Butylbenzylphthalate	83.3	U	83.3	200	ug/Kg
91-94-1	3,3-Dichlorobenzidine	42.8	U	42.8	380	ug/Kg
56-55-3	Benzo(a)anthracene	26.8	U	26.8	200	ug/Kg
218-01-9	Chrysene	23.2	U	23.2	200	ug/Kg
117-81-7	Bis(2-ethylhexyl)phthalate	150	J	69.0	200	ug/Kg
117-84-0	Di-n-octyl phthalate	100	U	100	380	ug/Kg
205-99-2	Benzo(b)fluoranthene	22.2	U	22.2	200	ug/Kg

Report of Analysis

Client:	CDM Smith	Date Collected:	06/26/25
Project:	South River WM Replacement	Date Received:	06/26/25
Client Sample ID:	TP-100	SDG No.:	Q2436
Lab Sample ID:	Q2436-08	Matrix:	SOIL
Analytical Method:	8270E	% Solid:	85.6
Sample Wt/Vol:	30.05 Units: g	Final Vol:	1000 uL
Soil Aliquot Vol:	uL	Test:	SVOC-TCL BNA -20
Extraction Type :	Decanted : N	Level :	LOW
Injection Volume :	GPC Factor : 1.0	GPC Cleanup :	N PH :
Prep Method :	SW3541		

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
BF142930.D	1	06/27/25 11:20	06/30/25 22:45	PB168649

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units(Dry Weight)
207-08-9	Benzo(k)fluoranthene	26.1	U	26.1	200	ug/Kg
50-32-8	Benzo(a)pyrene	34.4	U	34.4	200	ug/Kg
193-39-5	Indeno(1,2,3-cd)pyrene	33.9	U	33.9	200	ug/Kg
53-70-3	Dibenzo(a,h)anthracene	32.0	U	32.0	200	ug/Kg
191-24-2	Benzo(g,h,i)perylene	30.0	U	30.0	200	ug/Kg
95-94-3	1,2,4,5-Tetrachlorobenzene	29.9	U	29.9	200	ug/Kg
123-91-1	1,4-Dioxane	52.7	U	52.7	200	ug/Kg
58-90-2	2,3,4,6-Tetrachlorophenol	32.0	U	32.0	200	ug/Kg
SURROGATES						
367-12-4	2-Fluorophenol	71.1		18 - 112	47%	SPK: 150
13127-88-3	Phenol-d6	70.6		15 - 107	47%	SPK: 150
4165-60-0	Nitrobenzene-d5	46.1		18 - 107	46%	SPK: 100
321-60-8	2-Fluorobiphenyl	42.2		20 - 109	42%	SPK: 100
118-79-6	2,4,6-Tribromophenol	67.6		10 - 116	45%	SPK: 150
1718-51-0	Terphenyl-d14	32.1		10 - 105	32%	SPK: 100
INTERNAL STANDARDS						
3855-82-1	1,4-Dichlorobenzene-d4	82900	6.869			
1146-65-2	Naphthalene-d8	301000	8.157			
15067-26-2	Acenaphthene-d10	152000	9.91			
1517-22-2	Phenanthrene-d10	227000	11.404			
1719-03-5	Chrysene-d12	158000	14.045			
1520-96-3	Perylene-d12	190000	15.539			
TENTATIVE IDENTIFIED COMPOUNDS						
000123-42-2	2-Pentanone, 4-hydroxy-4-methyl-	220	AB		5.09	ug/Kg
000119-61-9	Benzophenone	130	J		10.6	ug/Kg
000057-10-3	n-Hexadecanoic acid	89.8	J		11.9	ug/Kg
006222-03-3	Trifluoroacetoxy hexadecane	100	J		13.9	ug/Kg

Report of Analysis

Client:	CDM Smith	Date Collected:	06/26/25
Project:	South River WM Replacement	Date Received:	06/26/25
Client Sample ID:	TP-100	SDG No.:	Q2436
Lab Sample ID:	Q2436-08	Matrix:	SOIL
Analytical Method:	8270E	% Solid:	85.6
Sample Wt/Vol:	30.05 Units: g	Final Vol:	1000 uL
Soil Aliquot Vol:	uL	Test:	SVOC-TCL BNA -20
Extraction Type :	Decanted : N	Level :	LOW
Injection Volume :	GPC Factor : 1.0	GPC Cleanup :	N PH :
Prep Method :	SW3541		

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
BF142930.D	1	06/27/25 11:20	06/30/25 22:45	PB168649

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\BF063025\
 Data File : BF142930.D
 Acq On : 30 Jun 2025 22:45
 Operator : RC/JU
 Sample : Q2436-08
 Misc :
 ALS Vial : 16 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 TP-100

Quant Time: Jul 01 01:25:50 2025
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF061925.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Tue Jun 24 05:28:21 2025
 Response via : Initial Calibration

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

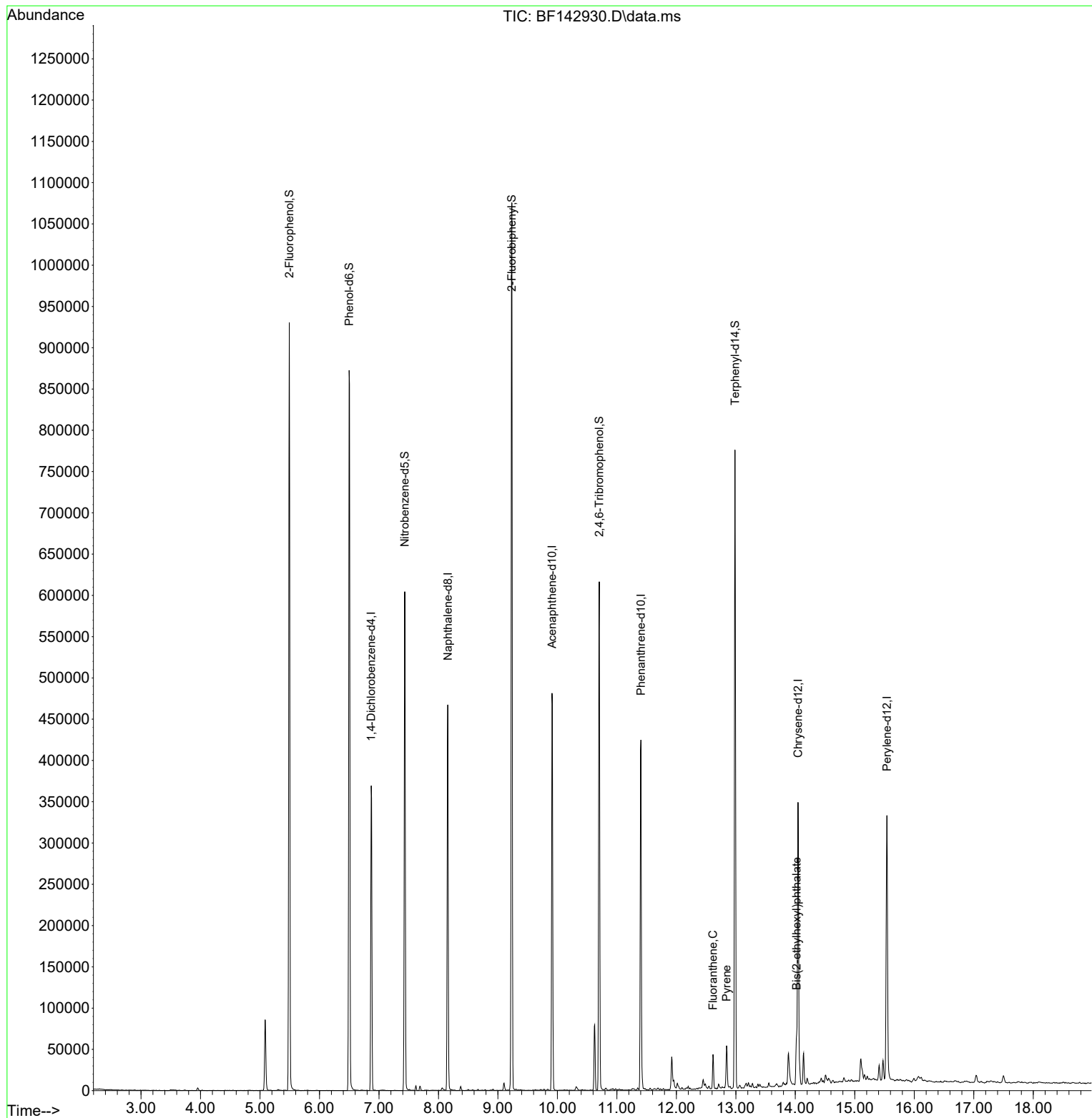
Internal Standards						
1) 1,4-Dichlorobenzene-d4	6.869	152	82922	20.000	ng	-0.01
21) Naphthalene-d8	8.157	136	301152	20.000	ng	-0.01
39) Acenaphthene-d10	9.910	164	152386	20.000	ng	-0.01
64) Phenanthrene-d10	11.404	188	226895	20.000	ng	0.00
76) Chrysene-d12	14.045	240	157749	20.000	ng	-0.01
86) Perylene-d12	15.539	264	189699	20.000	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.493	112	354148	71.107	ng	0.00
7) Phenol-d6	6.498	99	414859	70.602	ng	-0.01
23) Nitrobenzene-d5	7.434	82	252962	46.074	ng	-0.01
42) 2,4,6-Tribromophenol	10.704	330	105966	67.574	ng	-0.01
45) 2-Fluorobiphenyl	9.234	172	489476	42.196	ng	-0.01
79) Terphenyl-d14	12.986	244	366492	32.101	ng	-0.01
Target Compounds						
75) Fluoranthene	12.616	202	23661	2.028	ng	98
78) Pyrene	12.845	202	31093	2.103	ng	97
84) Bis(2-ethylhexyl)phtha...	14.022	149	24391	3.952	ng	99

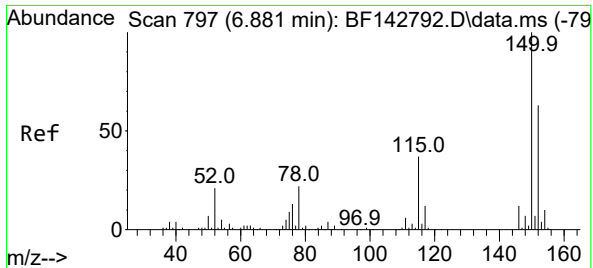
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF063025\
Data File : BF142930.D
Acq On : 30 Jun 2025 22:45
Operator : RC/JU
Sample : Q2436-08
Misc :
ALS Vial : 16 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
TP-100

Quant Time: Jul 01 01:25:50 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF061925.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Tue Jun 24 05:28:21 2025
Response via : Initial Calibration

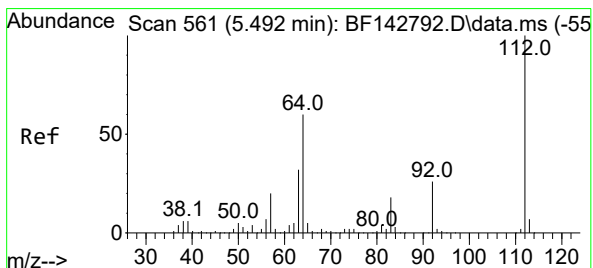
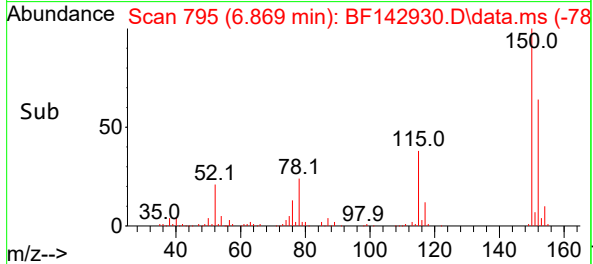
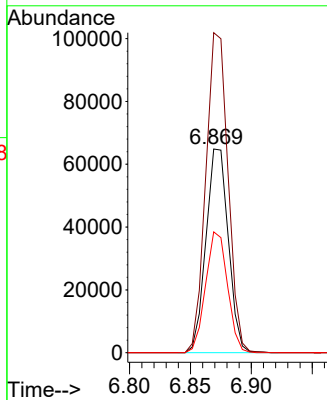
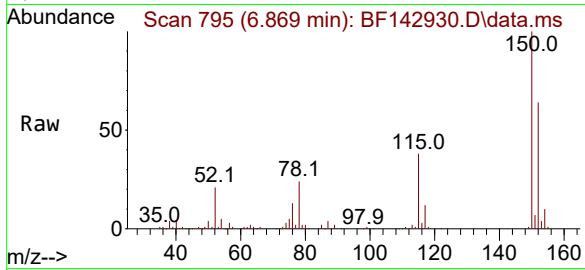




#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.869 min Scan# 797
Delta R.T. -0.012 min
Lab File: BF142930.D
Acq: 30 Jun 2025 22:45

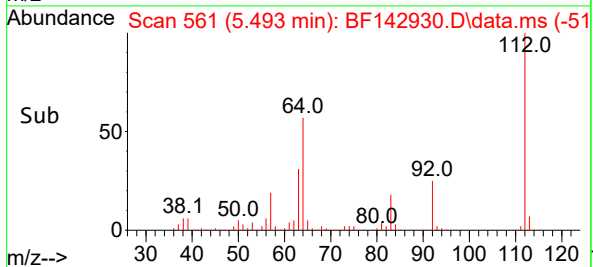
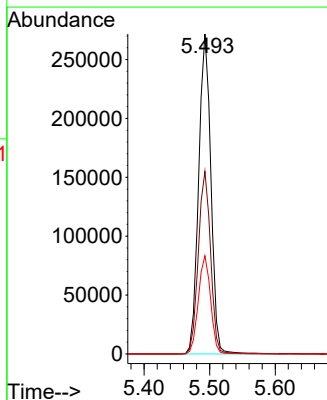
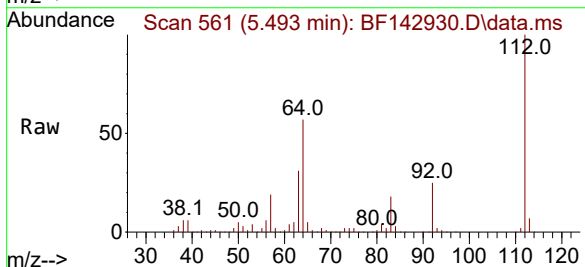
Instrument :
BNA_F
ClientSampleId :
TP-100

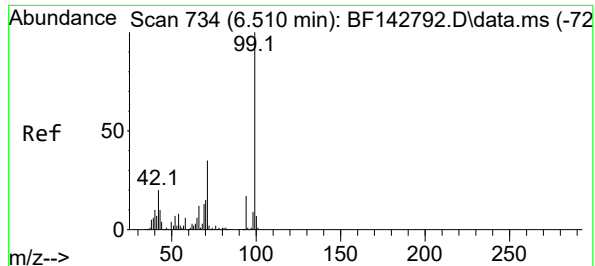
Tgt Ion:152 Resp: 82922
Ion Ratio Lower Upper
152 100
150 157.1 127.2 190.8
115 59.3 46.6 69.8



#5
2-Fluorophenol
Concen: 71.107 ng
RT: 5.493 min Scan# 561
Delta R.T. 0.001 min
Lab File: BF142930.D
Acq: 30 Jun 2025 22:45

Tgt Ion:112 Resp: 354148
Ion Ratio Lower Upper
112 100
64 57.1 48.2 72.2
63 30.7 25.7 38.5

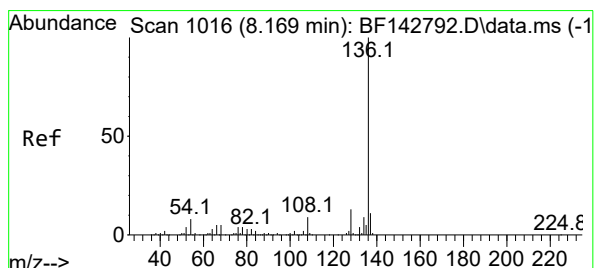
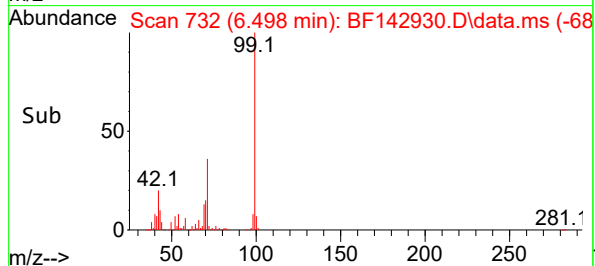
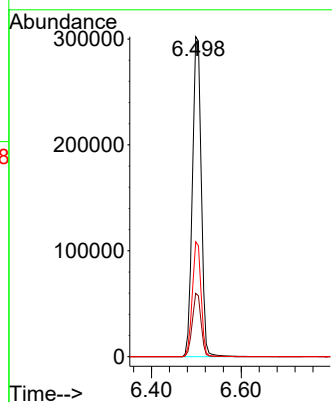
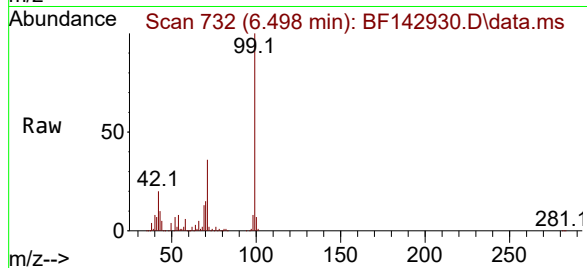




#7
Phenol-d6
Concen: 70.602 ng
RT: 6.498 min Scan# 71
Delta R.T. -0.011 min
Lab File: BF142930.D
Acq: 30 Jun 2025 22:45

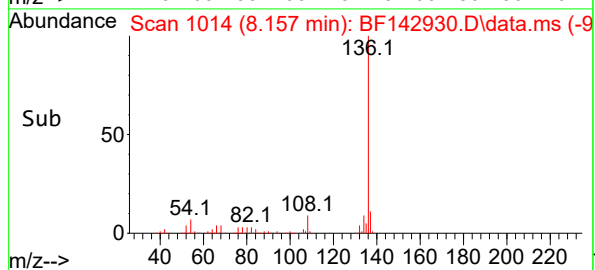
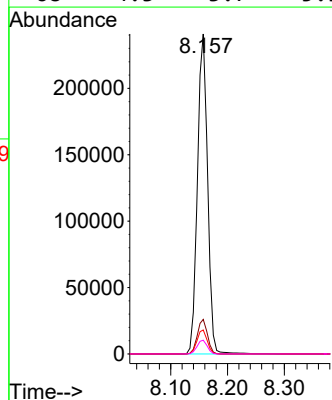
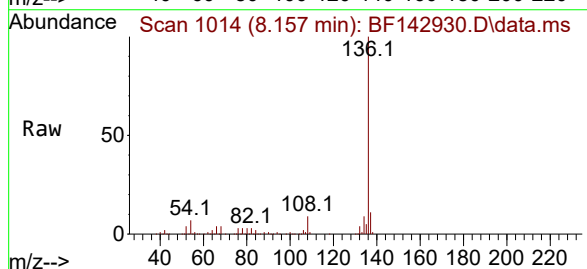
Instrument :
BNA_F
ClientSampleId :
TP-100

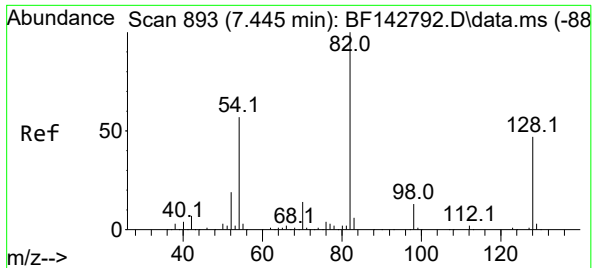
Tgt Ion: 99 Resp: 414859
Ion Ratio Lower Upper
99 100
42 19.8 15.9 23.9
71 35.9 27.8 41.8



#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.157 min Scan# 1014
Delta R.T. -0.012 min
Lab File: BF142930.D
Acq: 30 Jun 2025 22:45

Tgt Ion: 136 Resp: 301152
Ion Ratio Lower Upper
136 100
137 10.8 8.4 12.6
54 7.5 6.3 9.5
68 4.3 3.7 5.5





#23

Nitrobenzene-d5

Concen: 46.074 ng

RT: 7.434 min Scan# 89

Delta R.T. -0.011 min

Lab File: BF142930.D

Acq: 30 Jun 2025 22:45

Instrument :

BNA_F

ClientSampleId :

TP-100

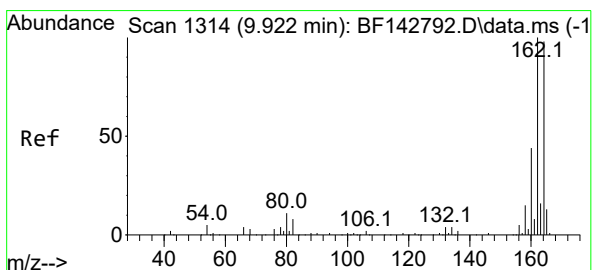
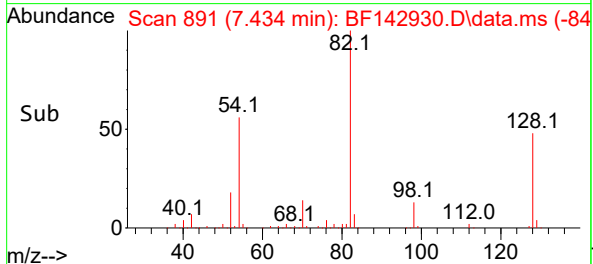
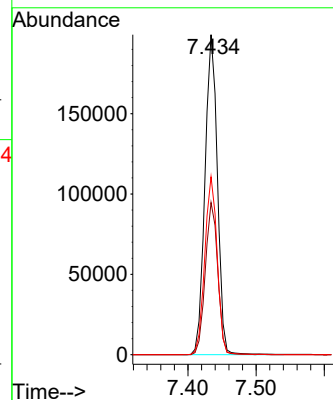
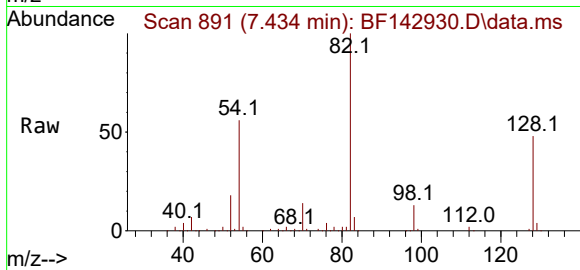
Tgt Ion: 82 Resp: 252962

Ion Ratio Lower Upper

82 100

128 47.6 37.7 56.5

54 55.6 45.7 68.5



#39

Acenaphthene-d10

Concen: 20.000 ng

RT: 9.910 min Scan# 1312

Delta R.T. -0.012 min

Lab File: BF142930.D

Acq: 30 Jun 2025 22:45

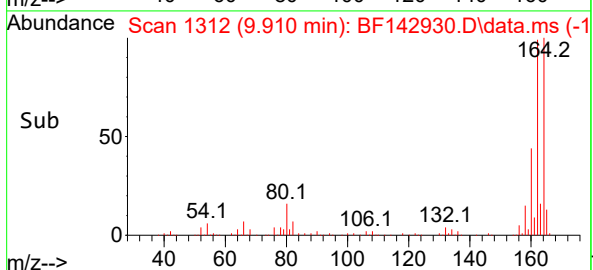
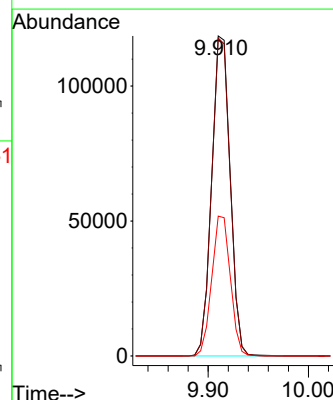
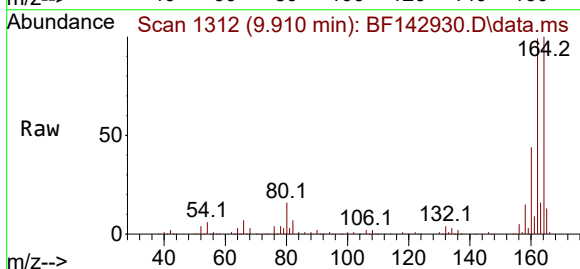
Tgt Ion:164 Resp: 152386

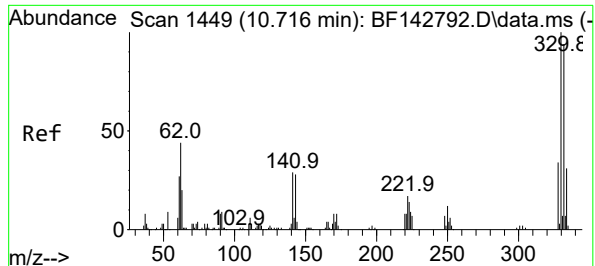
Ion Ratio Lower Upper

164 100

162 99.3 81.8 122.8

160 43.7 36.0 54.0





#42

2,4,6-Tribromophenol

Concen: 67.574 ng

RT: 10.704 min Scan# 1447

Delta R.T. -0.012 min

Lab File: BF142930.D

Acq: 30 Jun 2025 22:45

Instrument :

BNA_F

ClientSampleId :

TP-100

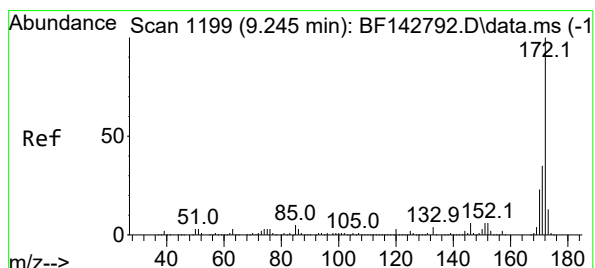
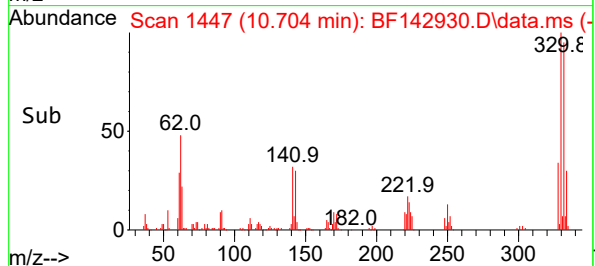
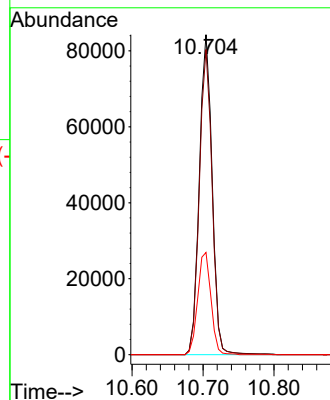
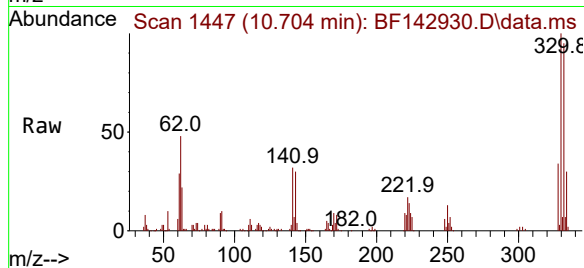
Tgt Ion:330 Resp: 105966

Ion Ratio Lower Upper

330 100

332 95.2 75.0 112.6

141 33.0 25.3 37.9



#45

2-Fluorobiphenyl

Concen: 42.196 ng

RT: 9.234 min Scan# 1197

Delta R.T. -0.011 min

Lab File: BF142930.D

Acq: 30 Jun 2025 22:45

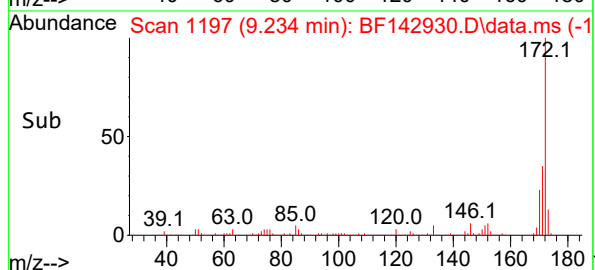
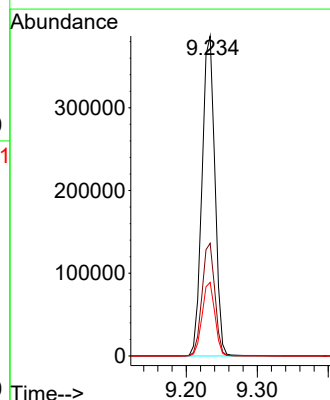
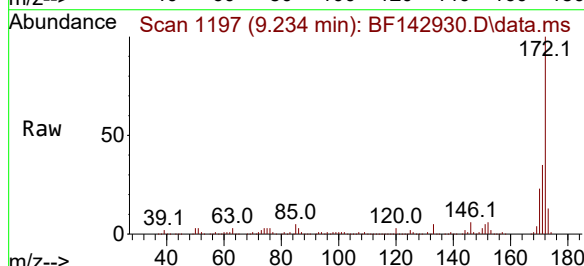
Tgt Ion:172 Resp: 489476

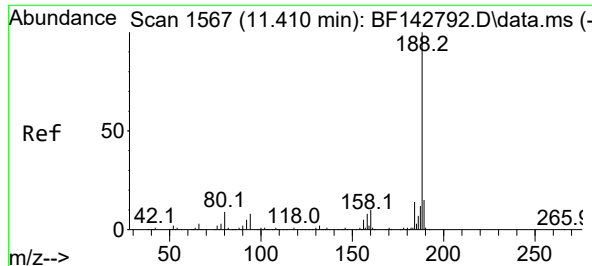
Ion Ratio Lower Upper

172 100

171 35.2 28.2 42.4

170 23.0 18.5 27.7

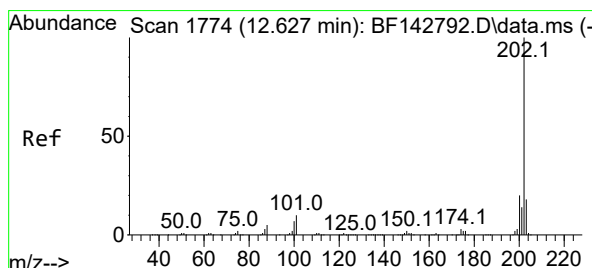
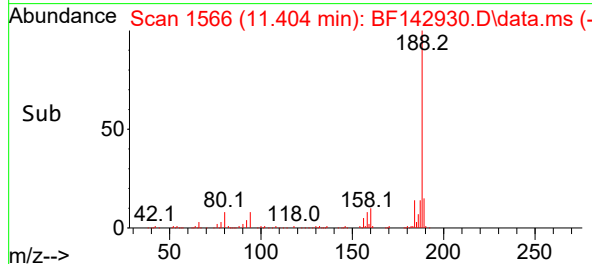
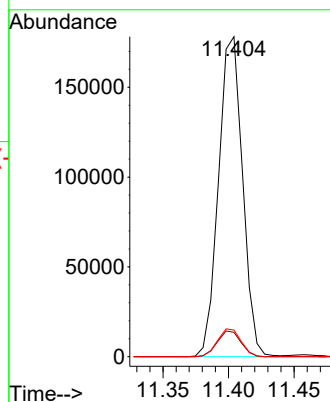
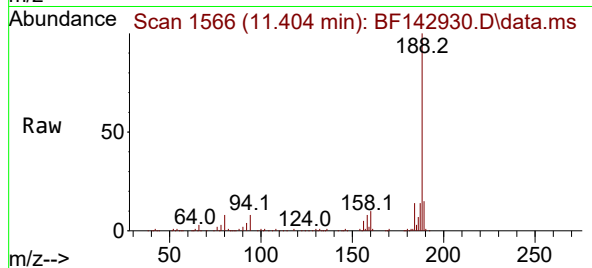




#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.404 min Scan# 11
Delta R.T. -0.006 min
Lab File: BF142930.D
Acq: 30 Jun 2025 22:45

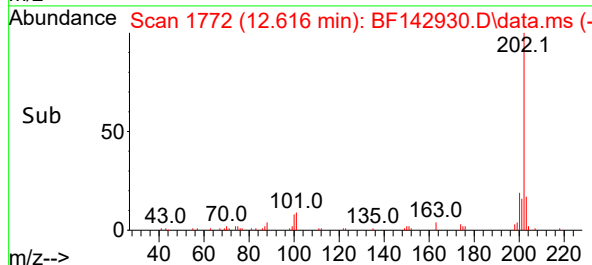
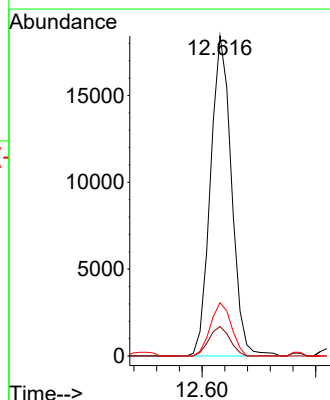
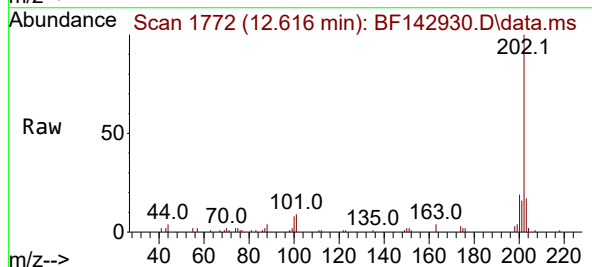
Instrument :
BNA_F
ClientSampleId :
TP-100

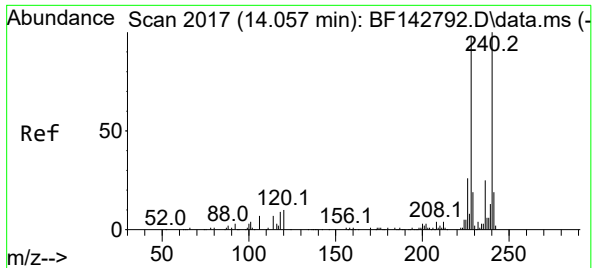
Tgt Ion	Ratio	Lower	Upper
188	100		
94	7.6	6.7	10.1
80	8.3	6.9	10.3



#75
Fluoranthene
Concen: 2.028 ng
RT: 12.616 min Scan# 1772
Delta R.T. -0.012 min
Lab File: BF142930.D
Acq: 30 Jun 2025 22:45

Tgt Ion	Ratio	Lower	Upper
202	100		
101	9.2	0.0	29.7
203	16.7	0.0	37.5

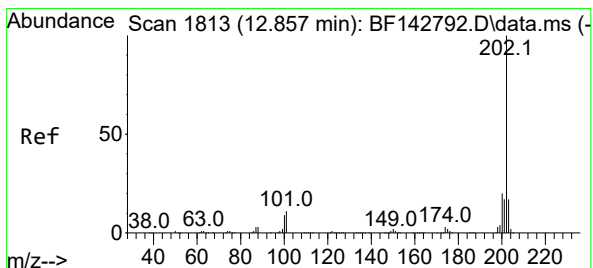
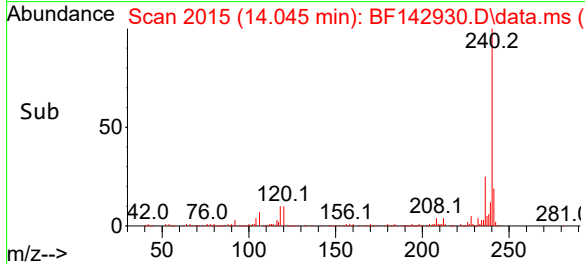
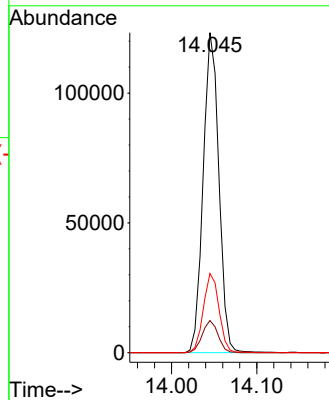
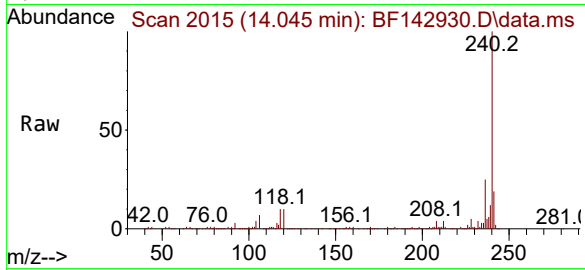




#76
Chrysene-d12
Concen: 20.000 ng
RT: 14.045 min Scan# 2017
Delta R.T. -0.012 min
Lab File: BF142930.D
Acq: 30 Jun 2025 22:45

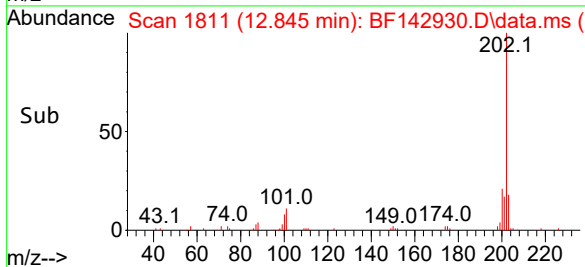
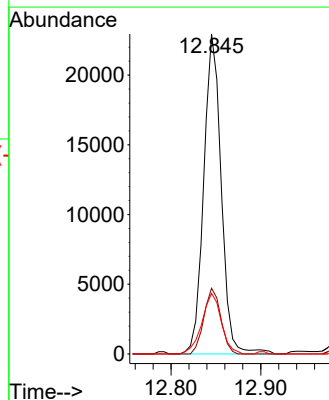
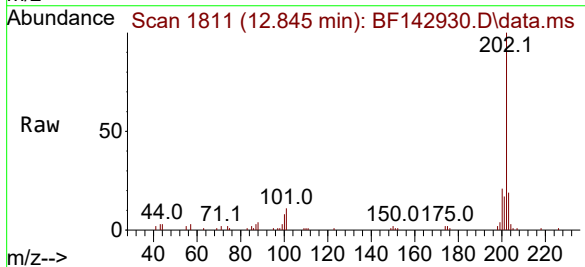
Instrument :
BNA_F
ClientSampleId :
TP-100

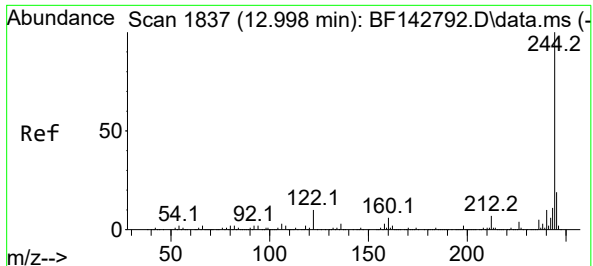
Tgt Ion:240 Resp: 157749
Ion Ratio Lower Upper
240 100
120 10.0 8.2 12.2
236 24.7 19.8 29.8



#78
Pyrene
Concen: 2.103 ng
RT: 12.845 min Scan# 1811
Delta R.T. -0.012 min
Lab File: BF142930.D
Acq: 30 Jun 2025 22:45

Tgt Ion:202 Resp: 31093
Ion Ratio Lower Upper
202 100
200 20.6 15.7 23.5
203 19.0 13.8 20.6





#79

Terphenyl-d14

Concen: 32.101 ng

RT: 12.986 min Scan# 1835

Delta R.T. -0.012 min

Lab File: BF142930.D

Acq: 30 Jun 2025 22:45

Instrument :

BNA_F

ClientSampleId :

TP-100

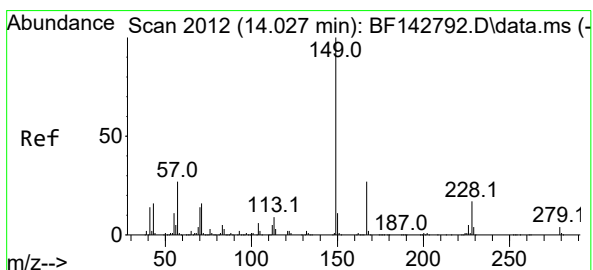
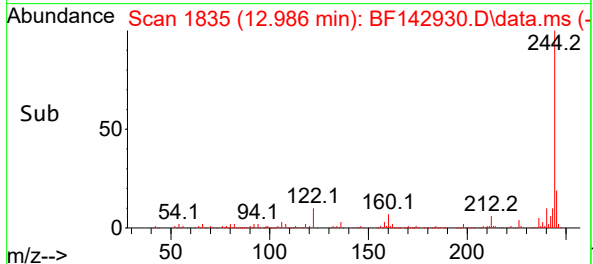
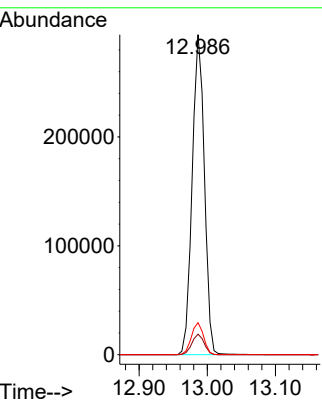
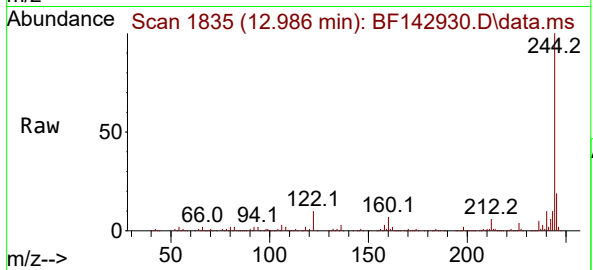
Tgt Ion:244 Resp: 366492

Ion Ratio Lower Upper

244 100

212 6.4 5.4 8.0

122 10.0 8.2 12.2



#84

Bis(2-ethylhexyl)phthalate

Concen: 3.952 ng

RT: 14.022 min Scan# 2011

Delta R.T. -0.006 min

Lab File: BF142930.D

Acq: 30 Jun 2025 22:45

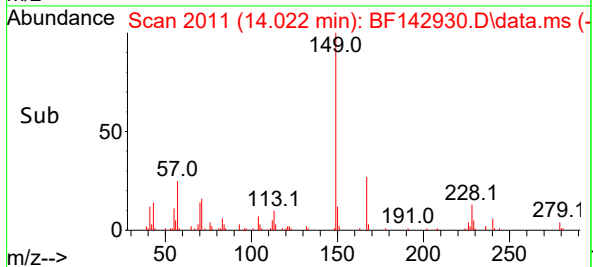
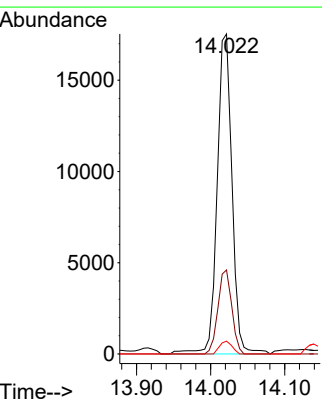
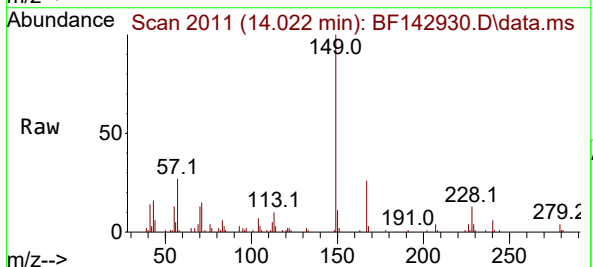
Tgt Ion:149 Resp: 24391

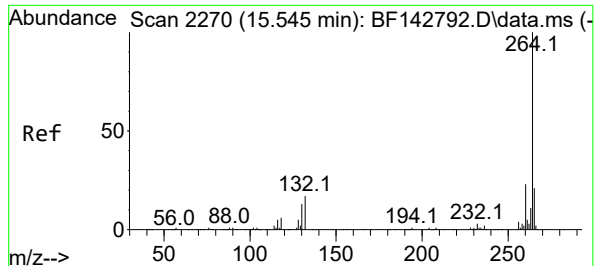
Ion Ratio Lower Upper

149 100

167 26.3 21.4 32.0

279 4.0 3.0 4.6





#86

Perylene-d12

Concen: 20.000 ng

RT: 15.539 min Scan# 21

Delta R.T. -0.006 min

Lab File: BF142930.D

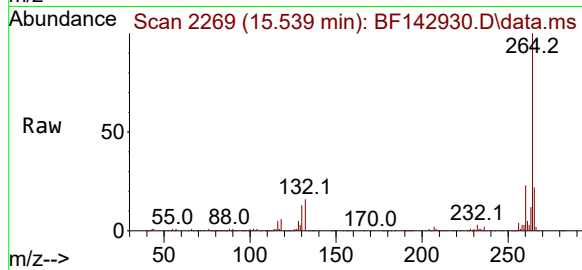
Acq: 30 Jun 2025 22:45

Instrument :

BNA_F

ClientSampleId :

TP-100



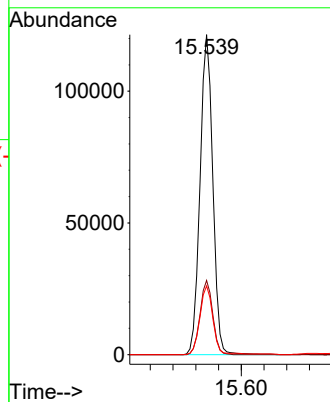
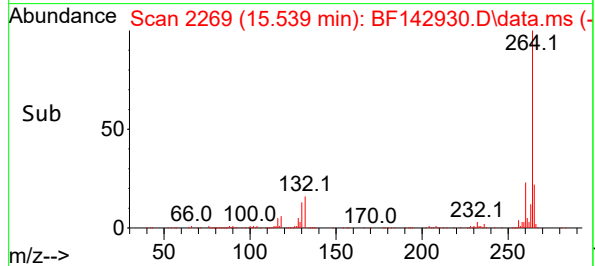
Tgt Ion:264 Resp: 189699

Ion Ratio Lower Upper

264 100

260 23.2 18.1 27.1

265 21.5 16.6 25.0



Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF063025\
 Data File : BF142930.D
 Acq On : 30 Jun 2025 22:45
 Operator : RC/JU
 Sample : Q2436-08
 Misc :
 ALS Vial : 16 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 TP-100

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-BF061925.M
 Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

Signal : TIC: BF142930.D\data.ms

peak #	R.T. min	first scan	max scan	last scan	PK TY	peak height	corr. area	corr. % max.	% of total
1	5.087	483	492	504	rBV	85788	128541	9.34%	1.246%
2	5.493	555	561	572	rBV	929766	1204070	87.45%	11.670%
3	6.498	727	732	750	rBV	872470	1200116	87.16%	11.631%
4	6.869	790	795	801	rBV	369204	461911	33.55%	4.477%
5	7.434	885	891	896	rBV	604370	761751	55.33%	7.383%
6	8.157	1008	1014	1022	rBV	467045	580637	42.17%	5.627%
7	9.234	1189	1197	1202	rBV	1075282	1376854	100.00%	13.344%
8	9.910	1307	1312	1318	rBV	481004	613559	44.56%	5.946%
9	10.628	1429	1434	1440	rVB	79150	101015	7.34%	0.979%
10	10.704	1441	1447	1460	rBV	616084	786980	57.16%	7.627%
11	11.404	1560	1566	1573	rBV	423925	555629	40.35%	5.385%
12	11.922	1647	1654	1658	rBV2	40013	64077	4.65%	0.621%
13	11.957	1658	1660	1666	rVV	11565	16981	1.23%	0.165%
14	12.016	1666	1670	1680	rVB2	7183	14812	1.08%	0.144%
15	12.451	1739	1744	1748	rBV2	9829	16052	1.17%	0.156%
16	12.616	1767	1772	1778	rBV	41557	52712	3.83%	0.511%
17	12.845	1805	1811	1818	rBV	50943	73658	5.35%	0.714%
18	12.986	1830	1835	1840	rBV	771930	957110	69.51%	9.276%
19	13.886	1983	1988	2000	rVB2	37416	70850	5.15%	0.687%
20	14.045	2006	2015	2024	rBV2	342031	549766	39.93%	5.328%
21	14.139	2026	2031	2038	rBV	37338	53281	3.87%	0.516%
22	14.510	2090	2094	2097	rBV3	9263	14995	1.09%	0.145%
23	15.104	2189	2195	2202	rBV	27134	61924	4.50%	0.600%
24	15.410	2242	2247	2252	rVB	18152	26430	1.92%	0.256%
25	15.474	2253	2258	2262	rBV	23487	34821	2.53%	0.337%
26	15.539	2263	2269	2280	rVB	319762	504375	36.63%	4.888%
27	17.039	2519	2524	2534	rVB2	8717	19339	1.40%	0.187%
28	17.498	2597	2602	2609	rVB2	8095	15848	1.15%	0.154%

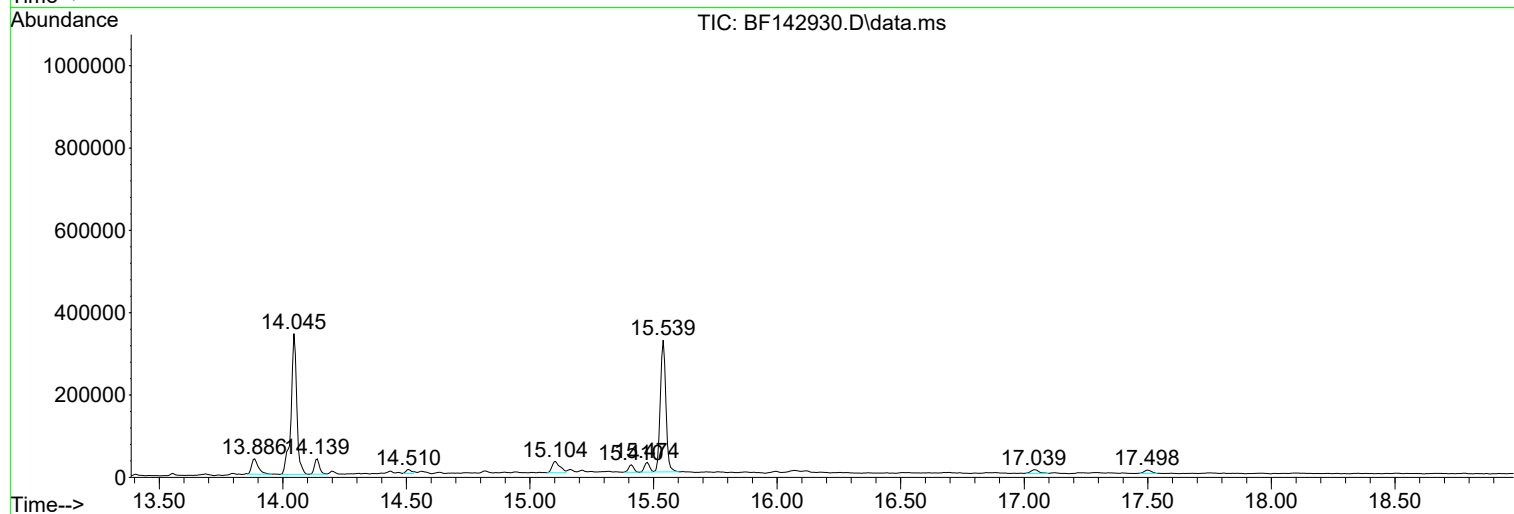
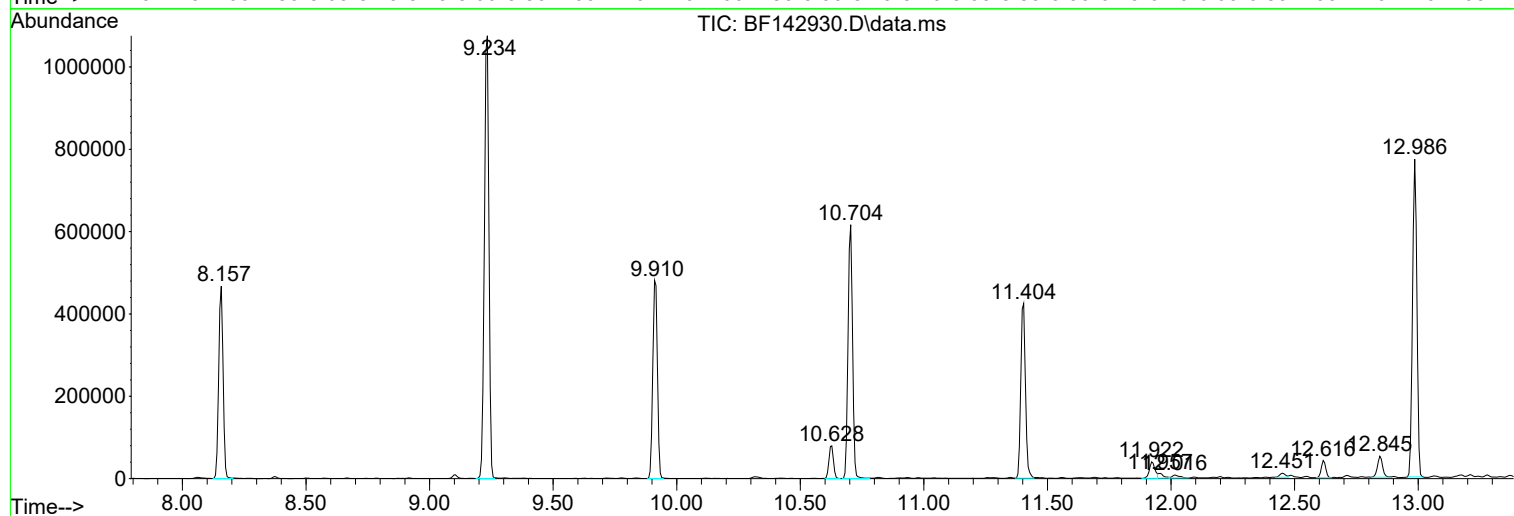
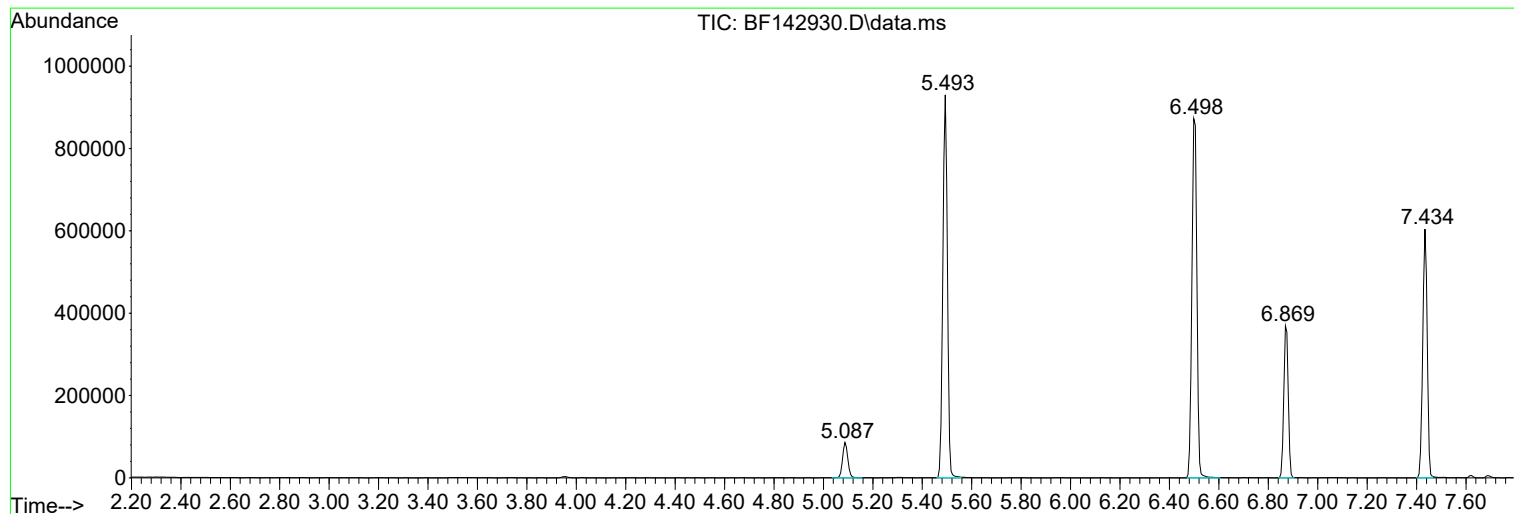
Sum of corrected areas: 10318094

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF063025\
Data File : BF142930.D
Acq On : 30 Jun 2025 22:45
Operator : RC/JU
Sample : Q2436-08
Misc :
ALS Vial : 16 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
TP-100

Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF061925.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\BF063025\
Data File : BF142930.D
Acq On : 30 Jun 2025 22:45
Operator : RC/JU
Sample : Q2436-08
Misc :
ALS Vial : 16 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
TP-100

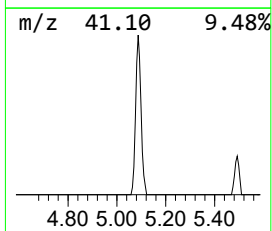
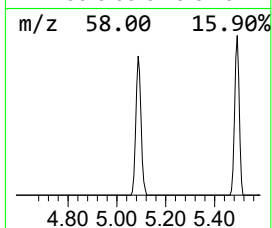
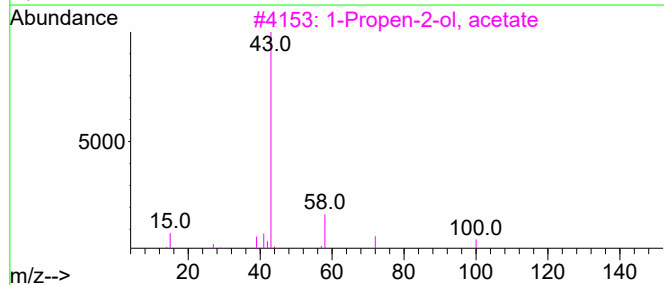
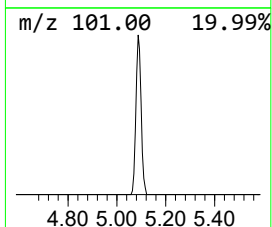
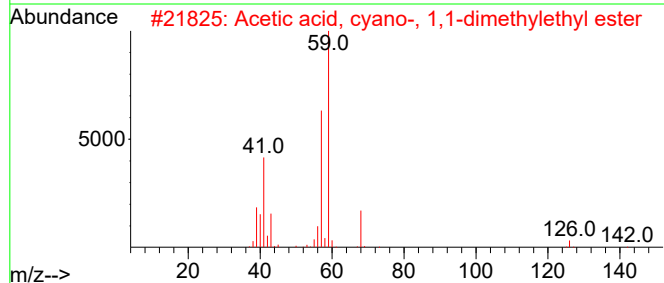
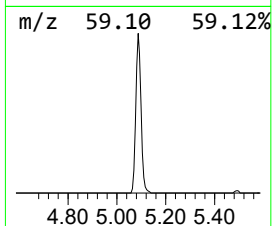
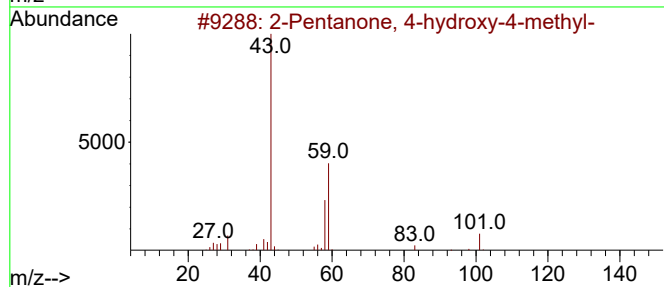
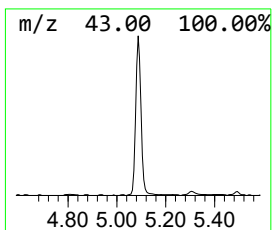
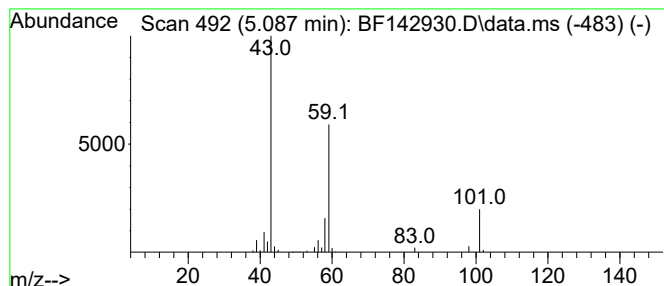
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF061925.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

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

R.T.	EstConc	Area	Relative to ISTD	R.T.
5.087	5.57 ng	128541	1,4-Dichlorobenzene-d4	6.869

Hit#	of	5	Tentative ID	MW	MolForm	CAS#	Qual
1	2-Pentanone, 4-hydroxy-4-methyl-	116	C6H12O2	000123-42-2	56		
2	Acetic acid, cyano-, 1,1-dimethy...	141	C7H11NO2	001116-98-9	17		
3	1-Propen-2-ol, acetate	100	C5H8O2	000108-22-5	10		
4	Acetone	58	C3H6O	000067-64-1	10		
5	2,3-Butanedione, monooxime	101	C4H7NO2	000057-71-6	9		



Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF063025\
Data File : BF142930.D
Acq On : 30 Jun 2025 22:45
Operator : RC/JU
Sample : Q2436-08
Misc :
ALS Vial : 16 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
TP-100

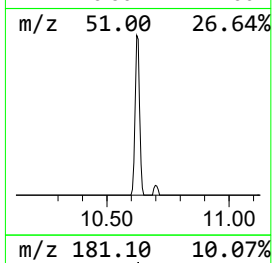
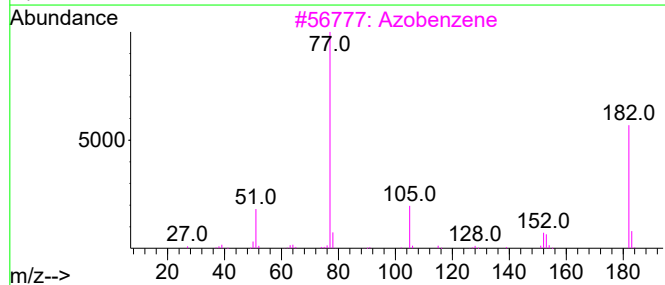
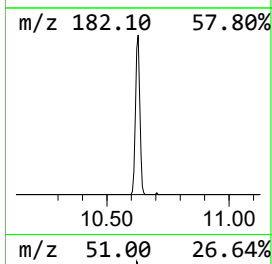
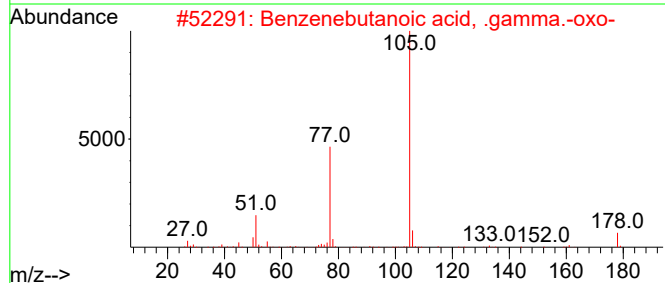
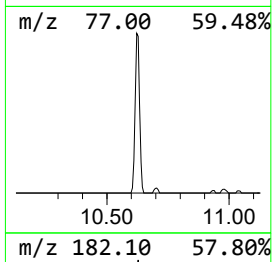
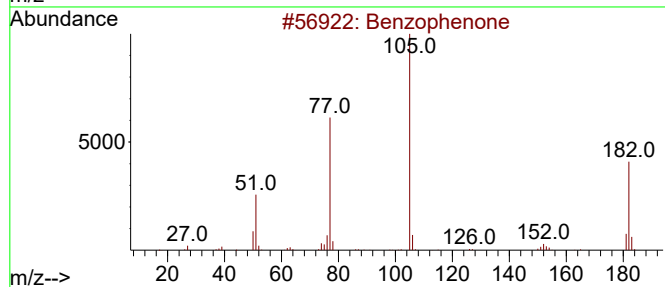
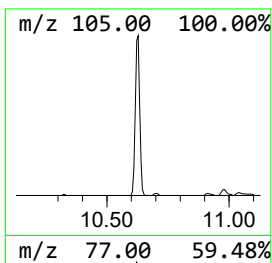
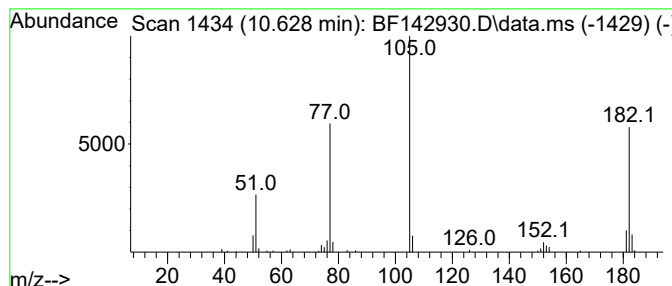
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF061925.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 2 Benzophenone Concentration Rank 2

R.T.	EstConc	Area	Relative to ISTD	R.T.
10.628	3.29 ng	101015	Acenaphthene-d10	9.910

Hit#	of	5	Tentative ID	MW	MolForm	CAS#	Qual
1			Benzophenone	182	C13H10O	000119-61-9	97
2			Benzenebutanoic acid, .gamma.-oxo-	178	C10H10O3	002051-95-8	47
3			Azobenzene	182	C12H10N2	000103-33-3	47
4			2-Chloro-1-phenyl-1-propanone	168	C9H9ClO	006084-17-9	47
5			Benzoyl isothiocyanate	163	C8H5NOS	000532-55-8	47



Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF063025\
Data File : BF142930.D
Acq On : 30 Jun 2025 22:45
Operator : RC/JU
Sample : Q2436-08
Misc :
ALS Vial : 16 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
TP-100

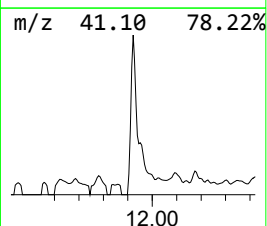
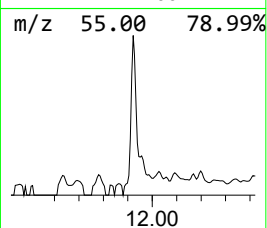
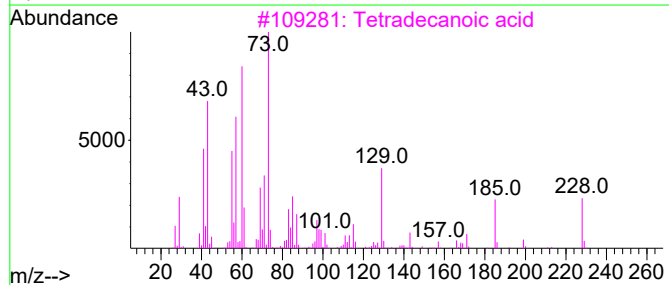
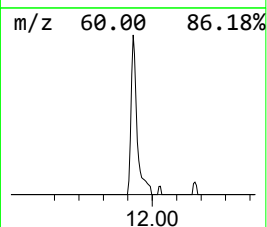
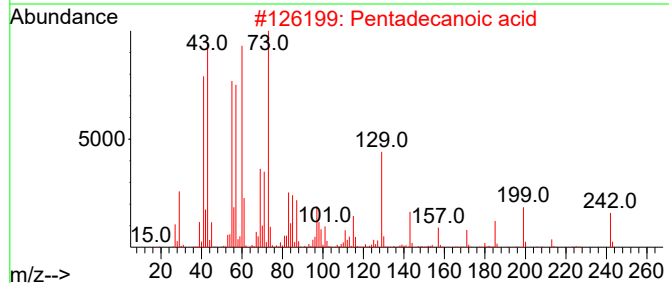
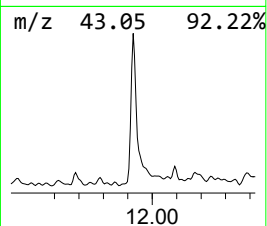
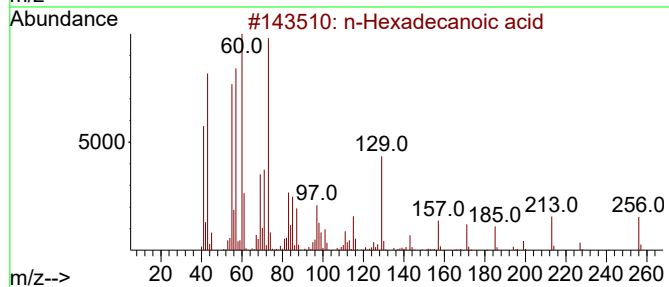
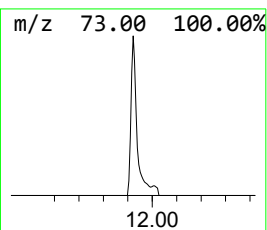
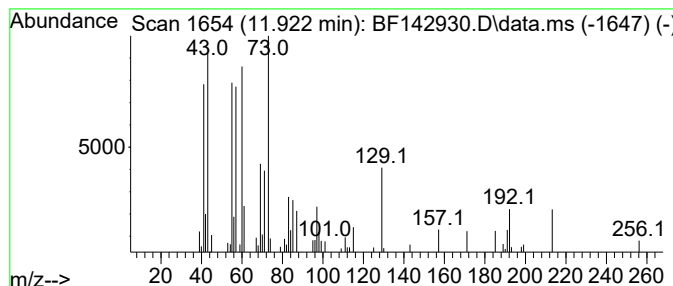
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF061925.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 3 n-Hexadecanoic acid Concentration Rank 5

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.922	2.31 ng	64077	Phenanthrene-d10	11.404

Hit#	of	5	Tentative ID	MW	MolForm	CAS#	Qual
1			n-Hexadecanoic acid	256	C16H32O2	000057-10-3	95
2			Pentadecanoic acid	242	C15H30O2	001002-84-2	81
3			Tetradecanoic acid	228	C14H28O2	000544-63-8	72
4			Oxalic acid, dodecyl propyl ester	300	C17H32O4	1000309-26-5	20
5			n-Butyl n-pentyl disulfide	192	C9H20S2	072437-52-6	15



Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF063025\
Data File : BF142930.D
Acq On : 30 Jun 2025 22:45
Operator : RC/JU
Sample : Q2436-08
Misc :
ALS Vial : 16 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
TP-100

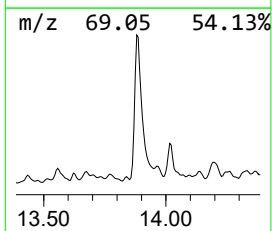
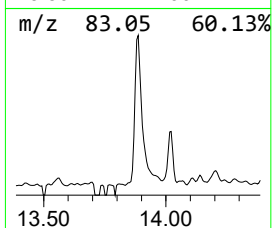
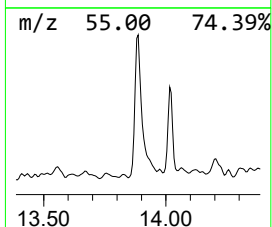
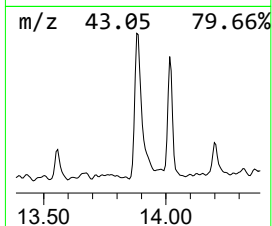
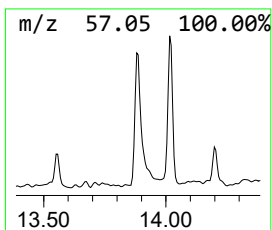
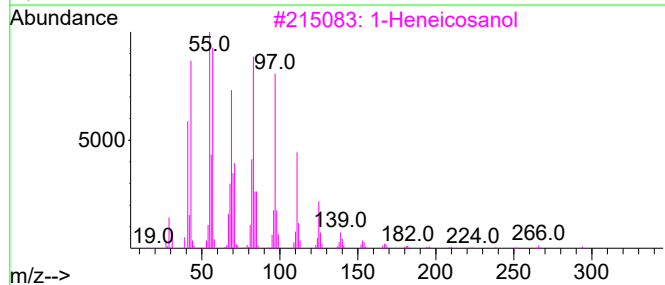
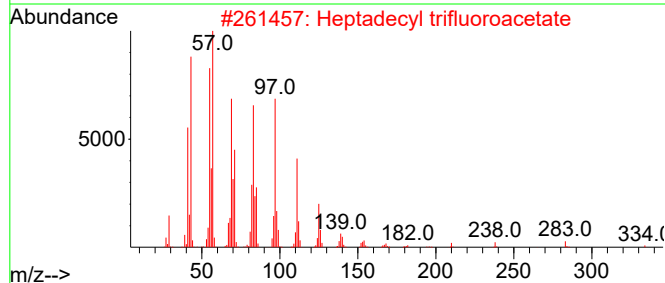
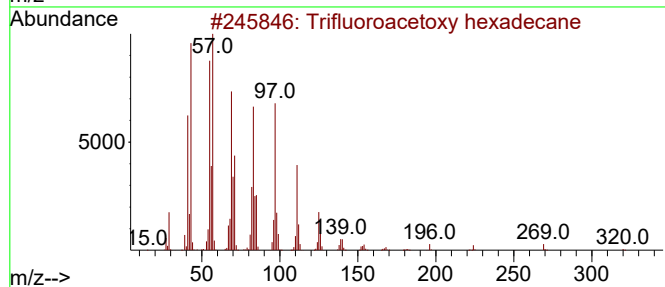
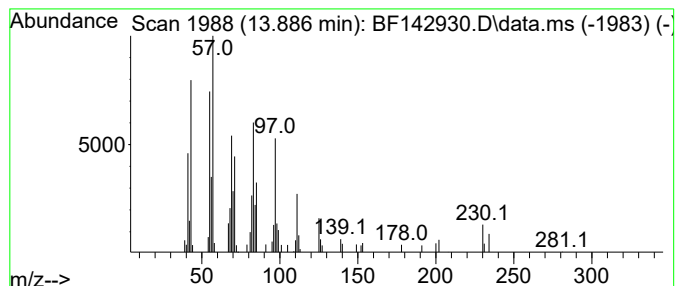
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF061925.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 4 Trifluoroacetoxy hexadecane Concentration Rank 3

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.886	2.58 ng	70850	Chrysene-d12	14.045

Hit#	of	5	Tentative ID	MW	MolForm	CAS#	Qual
1			Trifluoroacetoxy hexadecane	338	C18H33F3O2	006222-03-3	93
2			Heptadecyl trifluoroacetate	352	C19H35F3O2	1010351-87-0	93
3			1-Heneicosanol	312	C21H44O	015594-90-8	92
4			Heptadecyl heptafluorobutyrate	452	C21H35F7O2	959085-66-6	91
5			Dichloroacetic acid, heptadecyl ...	366	C19H36Cl2O2	1000282-98-2	90



Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF063025\
Data File : BF142930.D
Acq On : 30 Jun 2025 22:45
Operator : RC/JU
Sample : Q2436-08
Misc :
ALS Vial : 16 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
TP-100

Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF061925.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

TIC Top Hit name	RT	EstConc	Units	Response	--Internal Standard--			
					#	RT	Resp	Conc
2-Pentanone, 4-...	5.087	5.6	ng	128541	1	6.869	461911	20.0
Benzophenone	10.628	3.3	ng	101015	3	9.910	613559	20.0
n-Hexadecanoic ...	11.922	2.3	ng	64077	4	11.404	555629	20.0
Trifluoroacetox...	13.886	2.6	ng	70850	5	14.045	549766	20.0

Report of Analysis

Client:	CDM Smith	Date Collected:	06/26/25
Project:	South River WM Replacement	Date Received:	06/26/25
Client Sample ID:	TP-99	SDG No.:	Q2436
Lab Sample ID:	Q2436-09	Matrix:	SOIL
Analytical Method:	8270E	% Solid:	92.2
Sample Wt/Vol:	30.02	Units:	g
Soil Aliquot Vol:			uL
Extraction Type :		Decanted :	N
Injection Volume :		GPC Factor :	1.0
Prep Method :	SW3541	Level :	LOW
		Test:	SVOC-TCL BNA -20
		GPC Cleanup :	N
		PH :	

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
BF142925.D	1	06/27/25 11:20	06/30/25 20:14	PB168649

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units(Dry Weight)
TARGETS						
100-52-7	Benzaldehyde	170	U	170	360	ug/Kg
108-95-2	Phenol	24.0	U	24.0	180	ug/Kg
111-44-4	bis(2-Chloroethyl)ether	26.3	U	26.3	180	ug/Kg
95-57-8	2-Chlorophenol	26.4	U	26.4	180	ug/Kg
95-48-7	2-Methylphenol	32.4	U	32.4	180	ug/Kg
108-60-1	2,2-oxybis(1-Chloropropane)	40.6	U	40.6	180	ug/Kg
98-86-2	Acetophenone	32.0	U	32.0	180	ug/Kg
65794-96-9	3+4-Methylphenols	44.5	U	44.5	360	ug/Kg
621-64-7	n-Nitroso-di-n-propylamine	51.4	U	51.4	86.7	ug/Kg
67-72-1	Hexachloroethane	19.1	U	19.1	180	ug/Kg
98-95-3	Nitrobenzene	19.8	U	19.8	180	ug/Kg
78-59-1	Isophorone	35.6	U	35.6	180	ug/Kg
88-75-5	2-Nitrophenol	63.1	U	63.1	180	ug/Kg
105-67-9	2,4-Dimethylphenol	70.2	U	70.2	180	ug/Kg
111-91-1	bis(2-Chloroethoxy)methane	33.4	U	33.4	180	ug/Kg
120-83-2	2,4-Dichlorophenol	30.7	U	30.7	180	ug/Kg
91-20-3	Naphthalene	24.6	U	24.6	180	ug/Kg
106-47-8	4-Chloroaniline	38.4	U	38.4	180	ug/Kg
87-68-3	Hexachlorobutadiene	27.4	U	27.4	180	ug/Kg
105-60-2	Caprolactam	56.5	U	56.5	360	ug/Kg
59-50-7	4-Chloro-3-methylphenol	31.1	U	31.1	180	ug/Kg
91-57-6	2-Methylnaphthalene	27.7	U	27.7	180	ug/Kg
77-47-4	Hexachlorocyclopentadiene	130	U	130	360	ug/Kg
88-06-2	2,4,6-Trichlorophenol	21.5	U	21.5	180	ug/Kg
95-95-4	2,4,5-Trichlorophenol	31.5	U	31.5	180	ug/Kg
92-52-4	1,1-Biphenyl	23.6	U	23.6	180	ug/Kg
91-58-7	2-Chloronaphthalene	24.4	U	24.4	180	ug/Kg
88-74-4	2-Nitroaniline	52.1	U	52.1	180	ug/Kg
131-11-3	Dimethylphthalate	29.4	U	29.4	180	ug/Kg

Report of Analysis

Client:	CDM Smith	Date Collected:	06/26/25
Project:	South River WM Replacement	Date Received:	06/26/25
Client Sample ID:	TP-99	SDG No.:	Q2436
Lab Sample ID:	Q2436-09	Matrix:	SOIL
Analytical Method:	8270E	% Solid:	92.2
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
BF142925.D	1	06/27/25 11:20	06/30/25 20:14	PB168649

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units(Dry Weight)
208-96-8	Acenaphthylene	31.3	U	31.3	180	ug/Kg
606-20-2	2,6-Dinitrotoluene	36.4	U	36.4	180	ug/Kg
99-09-2	3-Nitroaniline	49.9	U	49.9	180	ug/Kg
83-32-9	Acenaphthene	23.1	U	23.1	180	ug/Kg
51-28-5	2,4-Dinitrophenol	250	U	250	360	ug/Kg
100-02-7	4-Nitrophenol	120	U	120	360	ug/Kg
132-64-9	Dibenzofuran	24.6	U	24.6	180	ug/Kg
121-14-2	2,4-Dinitrotoluene	54.3	U	54.3	180	ug/Kg
84-66-2	Diethylphthalate	30.7	U	30.7	180	ug/Kg
7005-72-3	4-Chlorophenyl-phenylether	28.9	U	28.9	180	ug/Kg
86-73-7	Fluorene	27.4	U	27.4	180	ug/Kg
100-01-6	4-Nitroaniline	69.6	U	69.6	180	ug/Kg
534-52-1	4,6-Dinitro-2-methylphenol	110	U	110	360	ug/Kg
86-30-6	n-Nitrosodiphenylamine	35.7	U	35.7	180	ug/Kg
101-55-3	4-Bromophenyl-phenylether	30.1	U	30.1	180	ug/Kg
118-74-1	Hexachlorobenzene	27.4	U	27.4	180	ug/Kg
1912-24-9	Atrazine	36.9	U	36.9	180	ug/Kg
87-86-5	Pentachlorophenol	55.6	U	55.6	360	ug/Kg
85-01-8	Phenanthrene	22.7	U	22.7	180	ug/Kg
120-12-7	Anthracene	36.1	U	36.1	180	ug/Kg
86-74-8	Carbazole	33.8	U	33.8	180	ug/Kg
84-74-2	Di-n-butylphthalate	51.9	U	51.9	180	ug/Kg
206-44-0	Fluoranthene	32.5	U	32.5	180	ug/Kg
129-00-0	Pyrene	39.0	U	39.0	180	ug/Kg
85-68-7	Butylbenzylphthalate	77.4	U	77.4	180	ug/Kg
91-94-1	3,3-Dichlorobenzidine	39.8	U	39.8	360	ug/Kg
56-55-3	Benzo(a)anthracene	24.9	U	24.9	180	ug/Kg
218-01-9	Chrysene	21.6	U	21.6	180	ug/Kg
117-81-7	Bis(2-ethylhexyl)phthalate	64.2	U	64.2	180	ug/Kg
117-84-0	Di-n-octyl phthalate	94.1	U	94.1	360	ug/Kg
205-99-2	Benzo(b)fluoranthene	20.6	U	20.6	180	ug/Kg

Report of Analysis

Client:	CDM Smith	Date Collected:	06/26/25
Project:	South River WM Replacement	Date Received:	06/26/25
Client Sample ID:	TP-99	SDG No.:	Q2436
Lab Sample ID:	Q2436-09	Matrix:	SOIL
Analytical Method:	8270E	% Solid:	92.2
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
BF142925.D	1	06/27/25 11:20	06/30/25 20:14	PB168649

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units(Dry Weight)
207-08-9	Benzo(k)fluoranthene	24.3	U	24.3	180	ug/Kg
50-32-8	Benzo(a)pyrene	32.0	U	32.0	180	ug/Kg
193-39-5	Indeno(1,2,3-cd)pyrene	31.5	U	31.5	180	ug/Kg
53-70-3	Dibenzo(a,h)anthracene	29.7	U	29.7	180	ug/Kg
191-24-2	Benzo(g,h,i)perylene	27.9	U	27.9	180	ug/Kg
95-94-3	1,2,4,5-Tetrachlorobenzene	27.7	U	27.7	180	ug/Kg
123-91-1	1,4-Dioxane	49.0	U	49.0	180	ug/Kg
58-90-2	2,3,4,6-Tetrachlorophenol	29.7	U	29.7	180	ug/Kg

SURROGATES

367-12-4	2-Fluorophenol	75.4		18 - 112	50%	SPK: 150
13127-88-3	Phenol-d6	76.5		15 - 107	51%	SPK: 150
4165-60-0	Nitrobenzene-d5	46.9		18 - 107	47%	SPK: 100
321-60-8	2-Fluorobiphenyl	47.8		20 - 109	48%	SPK: 100
118-79-6	2,4,6-Tribromophenol	69.6		10 - 116	46%	SPK: 150
1718-51-0	Terphenyl-d14	42.6		10 - 105	43%	SPK: 100

INTERNAL STANDARDS

3855-82-1	1,4-Dichlorobenzene-d4	60900	6.869	
1146-65-2	Naphthalene-d8	231000	8.157	
15067-26-2	Acenaphthene-d10	118000	9.916	
1517-22-2	Phenanthrene-d10	189000	11.404	
1719-03-5	Chrysene-d12	114000	14.045	
1520-96-3	Perylene-d12	132000	15.539	

TENTATIVE IDENTIFIED COMPOUNDS

000123-42-2	2-Pentanone, 4-hydroxy-4-methyl-	230	AB	5.08	ug/Kg
000119-61-9	Benzophenone	130	J	10.6	ug/Kg
1000351-83-4	Tricosyl heptafluorobutyrate	120	J	13.9	ug/Kg

Report of Analysis

Client:	CDM Smith	Date Collected:	06/26/25
Project:	South River WM Replacement	Date Received:	06/26/25
Client Sample ID:	TP-99	SDG No.:	Q2436
Lab Sample ID:	Q2436-09	Matrix:	SOIL
Analytical Method:	8270E	% Solid:	92.2
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
BF142925.D	1	06/27/25 11:20	06/30/25 20:14	PB168649

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\BF063025\
Data File : BF142925.D
Acq On : 30 Jun 2025 20:14
Operator : RC/JU
Sample : Q2436-09
Misc :
ALS Vial : 11 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
TP-99

Quant Time: Jul 01 01:24:40 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF061925.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Tue Jun 24 05:28:21 2025
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) 1,4-Dichlorobenzene-d4	6.869	152	60859	20.000	ng	-0.01
21) Naphthalene-d8	8.157	136	231337	20.000	ng	-0.01
39) Acenaphthene-d10	9.916	164	118257	20.000	ng	0.00
64) Phenanthrene-d10	11.404	188	188531	20.000	ng	0.00
76) Chrysene-d12	14.045	240	113906	20.000	ng	-0.01
86) Perylene-d12	15.539	264	131680	20.000	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.493	112	275639	75.407	ng	0.00
7) Phenol-d6	6.498	99	329894	76.495	ng	-0.01
23) Nitrobenzene-d5	7.434	82	197695	46.874	ng	-0.01
42) 2,4,6-Tribromophenol	10.704	330	84711	69.610	ng	-0.01
45) 2-Fluorobiphenyl	9.234	172	430337	47.805	ng	-0.01
79) Terphenyl-d14	12.986	244	351428	42.629	ng	-0.01

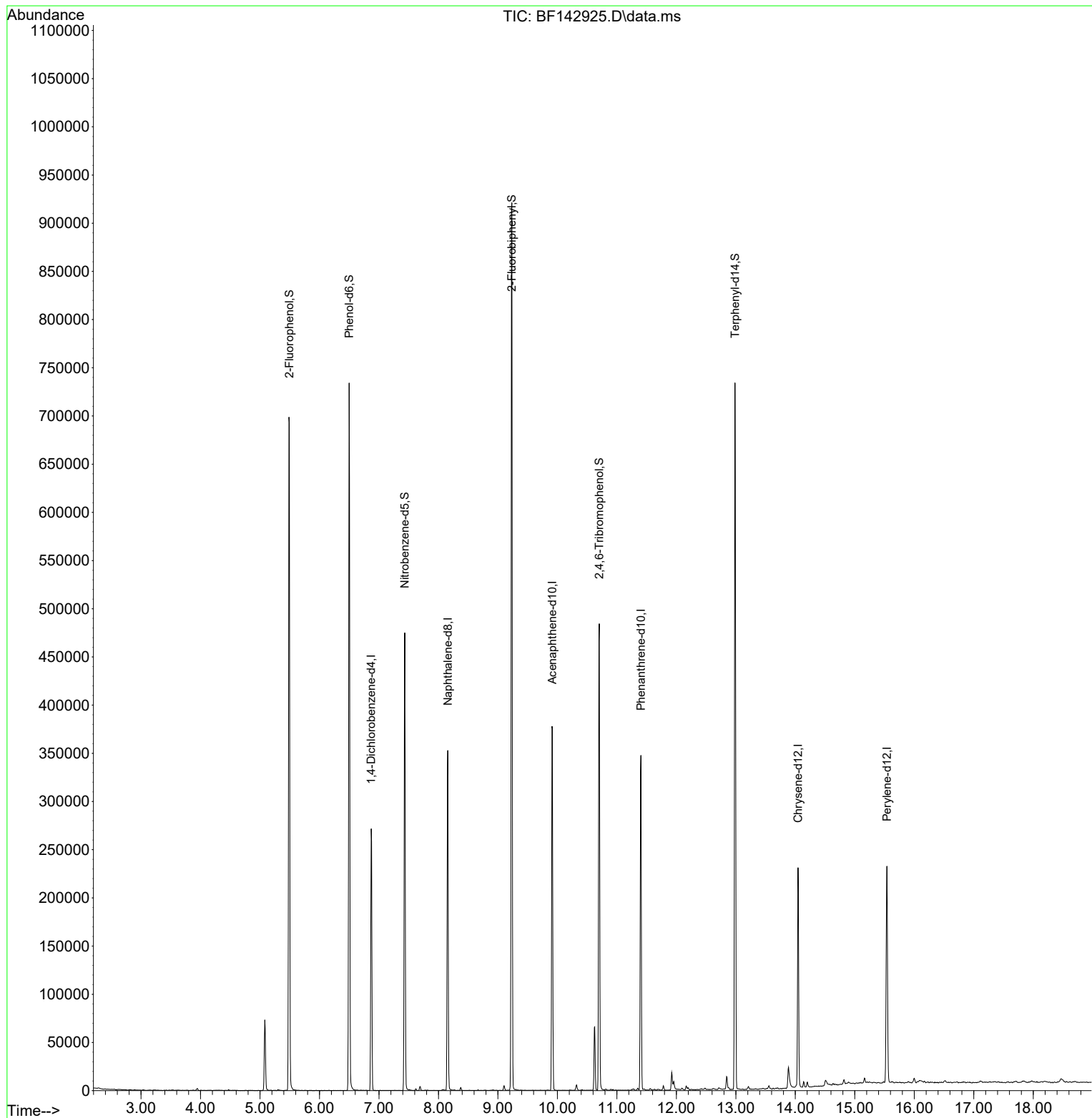
Target Compounds	Qvalue

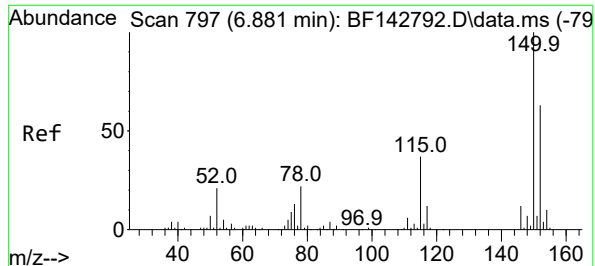
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF063025\
Data File : BF142925.D
Acq On : 30 Jun 2025 20:14
Operator : RC/JU
Sample : Q2436-09
Misc :
ALS Vial : 11 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
TP-99

Quant Time: Jul 01 01:24:40 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF061925.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Tue Jun 24 05:28:21 2025
Response via : Initial Calibration

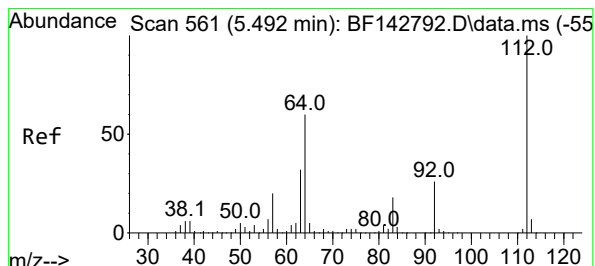
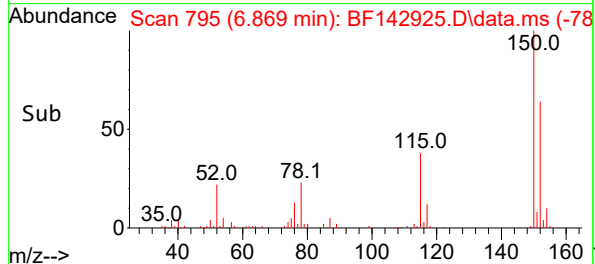
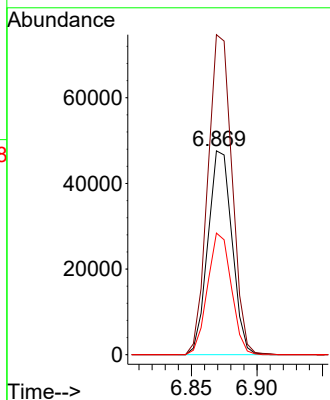
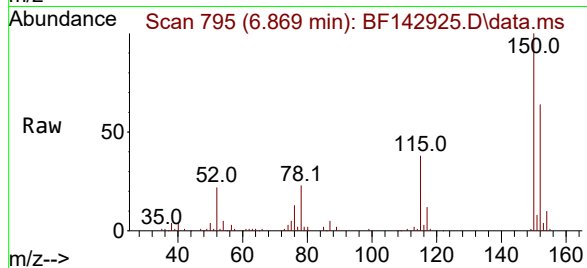




#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.869 min Scan# 797
Delta R.T. -0.012 min
Lab File: BF142925.D
Acq: 30 Jun 2025 20:14

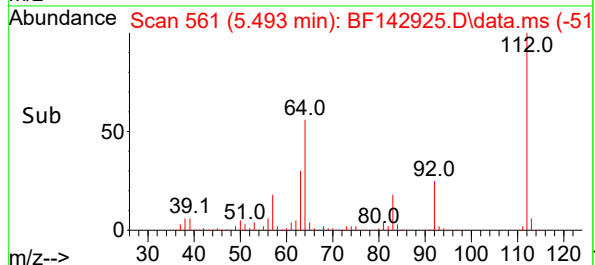
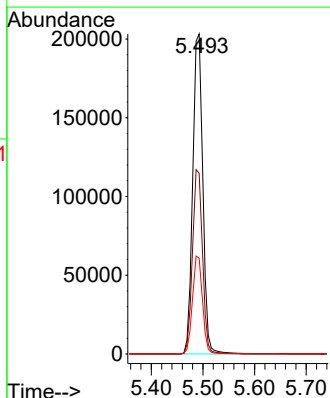
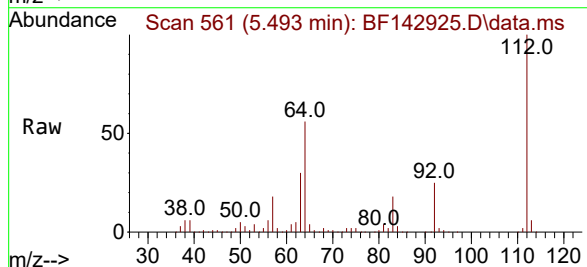
Instrument :
BNA_F
ClientSampleId :
TP-99

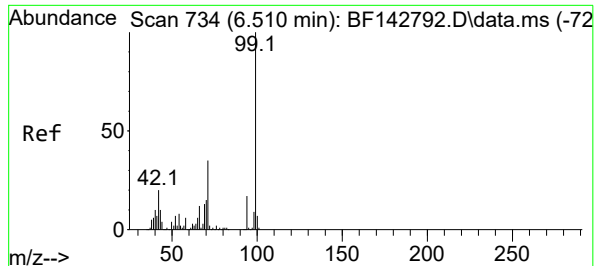
Tgt Ion:152 Resp: 60859
Ion Ratio Lower Upper
152 100
150 157.0 127.2 190.8
115 59.7 46.6 69.8



#5
2-Fluorophenol
Concen: 75.407 ng
RT: 5.493 min Scan# 561
Delta R.T. 0.001 min
Lab File: BF142925.D
Acq: 30 Jun 2025 20:14

Tgt Ion:112 Resp: 275639
Ion Ratio Lower Upper
112 100
64 56.5 48.2 72.2
63 30.0 25.7 38.5

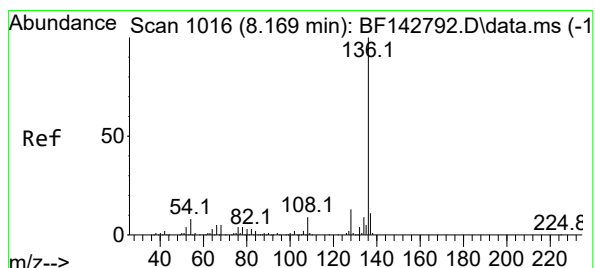
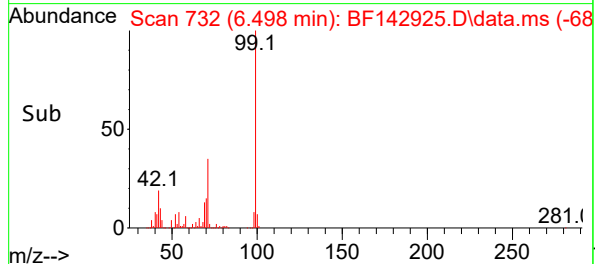
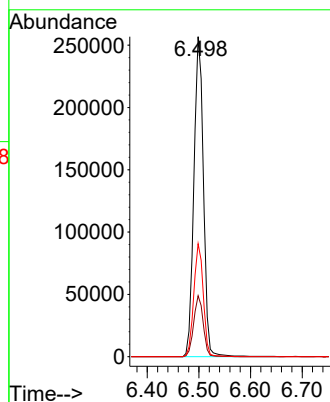
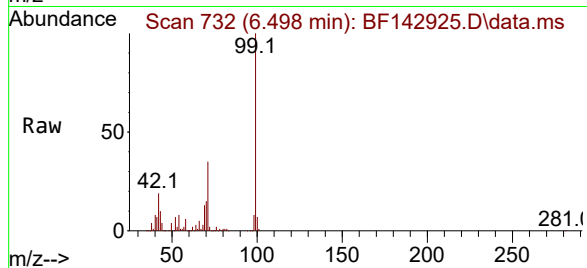




#7
Phenol-d6
Concen: 76.495 ng
RT: 6.498 min Scan# 71
Delta R.T. -0.011 min
Lab File: BF142925.D
Acq: 30 Jun 2025 20:14

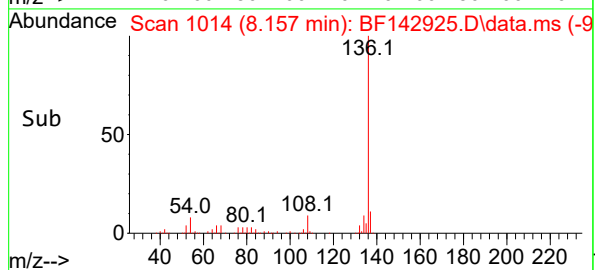
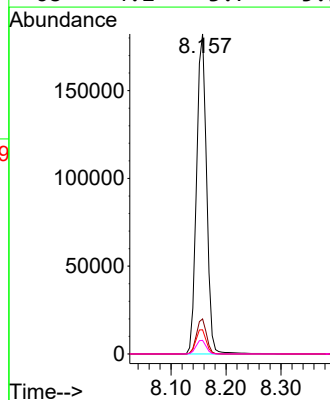
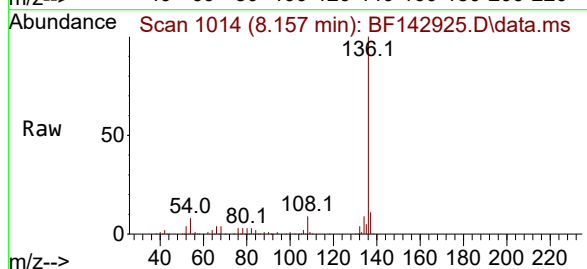
Instrument :
BNA_F
ClientSampleId :
TP-99

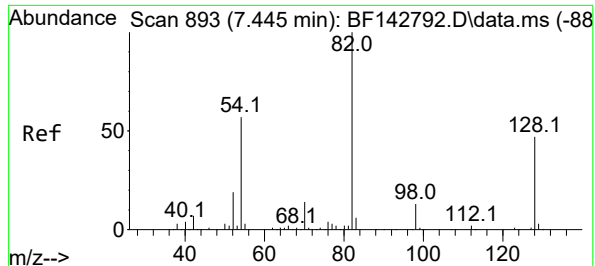
Tgt Ion: 99 Resp: 329894
Ion Ratio Lower Upper
99 100
42 19.1 15.9 23.9
71 35.3 27.8 41.8



#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.157 min Scan# 1014
Delta R.T. -0.012 min
Lab File: BF142925.D
Acq: 30 Jun 2025 20:14

Tgt Ion: 136 Resp: 231337
Ion Ratio Lower Upper
136 100
137 11.0 8.4 12.6
54 7.6 6.3 9.5
68 4.2 3.7 5.5





#23

Nitrobenzene-d5

Concen: 46.874 ng

RT: 7.434 min Scan# 89

Delta R.T. -0.011 min

Lab File: BF142925.D

Acq: 30 Jun 2025 20:14

Instrument :

BNA_F

ClientSampleId :

TP-99

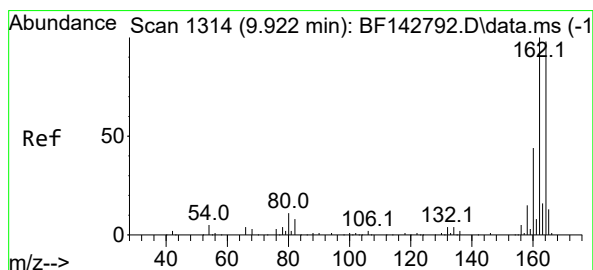
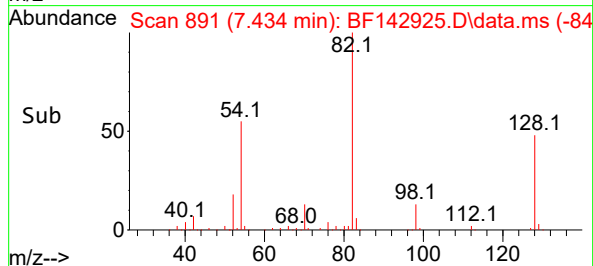
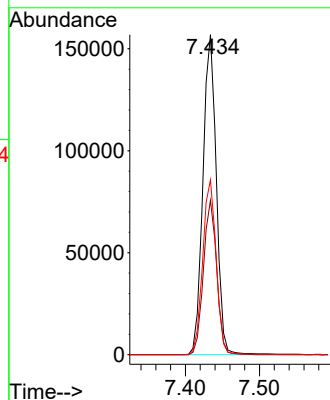
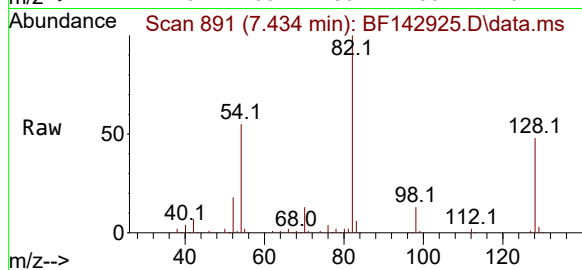
Tgt Ion: 82 Resp: 197695

Ion Ratio Lower Upper

82 100

128 48.3 37.7 56.5

54 54.7 45.7 68.5



#39

Acenaphthene-d10

Concen: 20.000 ng

RT: 9.916 min Scan# 1313

Delta R.T. -0.006 min

Lab File: BF142925.D

Acq: 30 Jun 2025 20:14

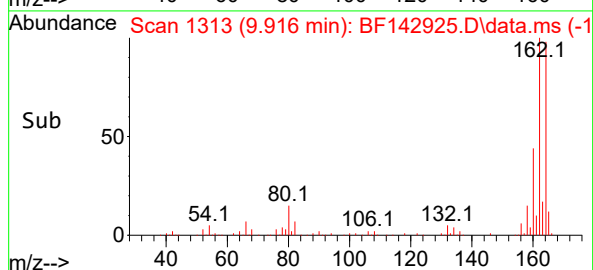
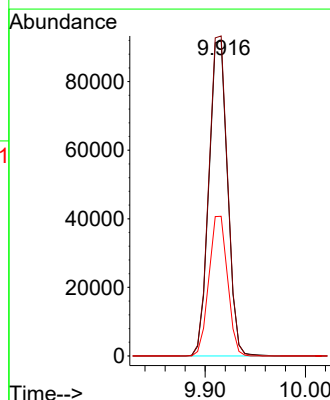
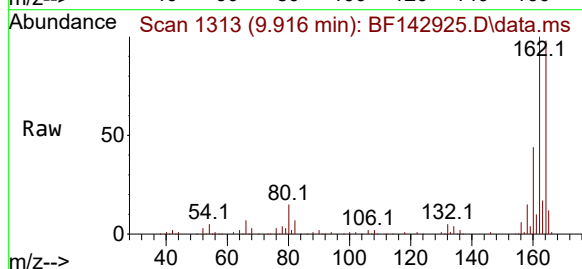
Tgt Ion:164 Resp: 118257

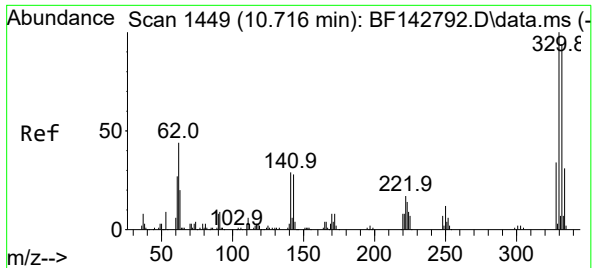
Ion Ratio Lower Upper

164 100

162 101.5 81.8 122.8

160 44.3 36.0 54.0





#42

2,4,6-Tribromophenol

Concen: 69.610 ng

RT: 10.704 min Scan# 1447

Delta R.T. -0.012 min

Lab File: BF142925.D

Acq: 30 Jun 2025 20:14

Instrument :

BNA_F

ClientSampleId :

TP-99

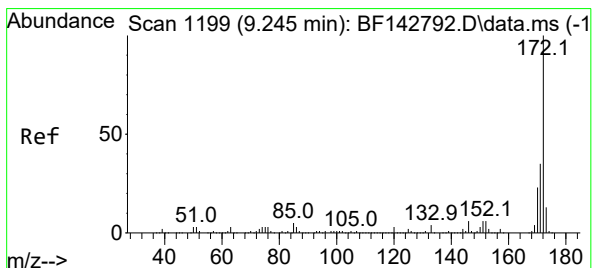
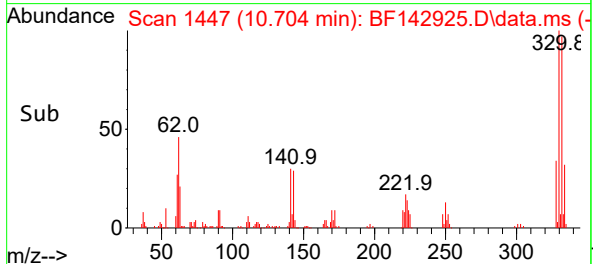
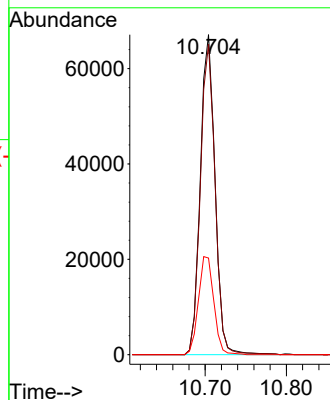
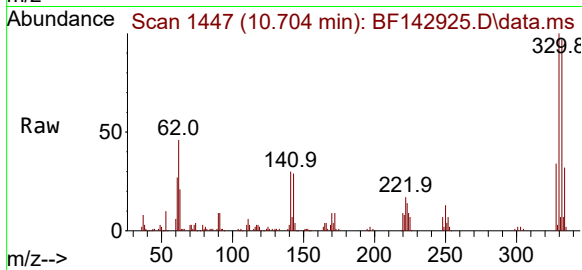
Tgt Ion:330 Resp: 84711

Ion Ratio Lower Upper

330 100

332 97.1 75.0 112.6

141 32.0 25.3 37.9



#45

2-Fluorobiphenyl

Concen: 47.805 ng

RT: 9.234 min Scan# 1197

Delta R.T. -0.011 min

Lab File: BF142925.D

Acq: 30 Jun 2025 20:14

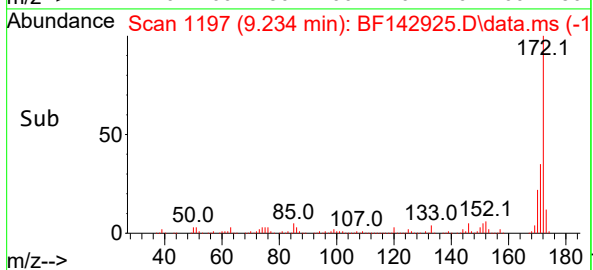
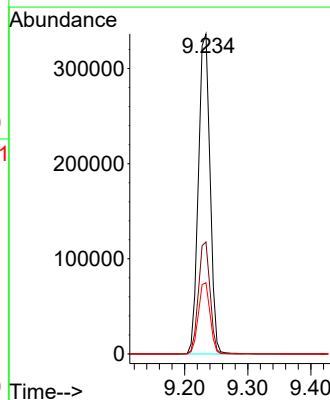
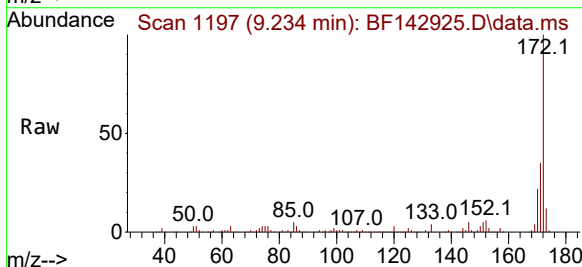
Tgt Ion:172 Resp: 430337

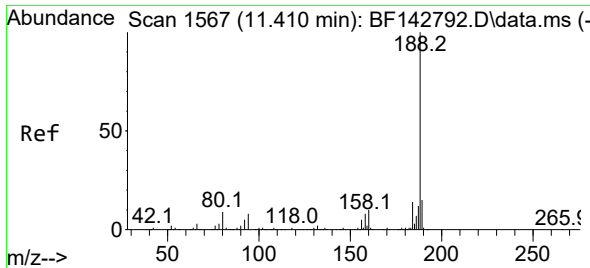
Ion Ratio Lower Upper

172 100

171 35.0 28.2 42.4

170 22.3 18.5 27.7

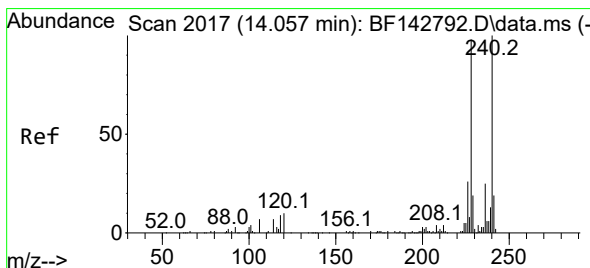
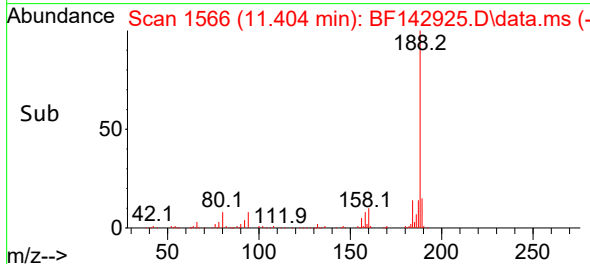
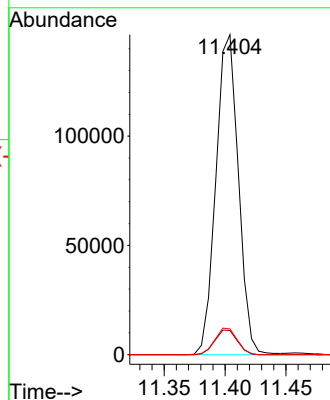
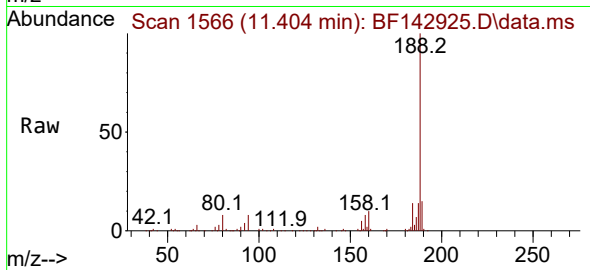




#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.404 min Scan# 11
Delta R.T. -0.006 min
Lab File: BF142925.D
Acq: 30 Jun 2025 20:14

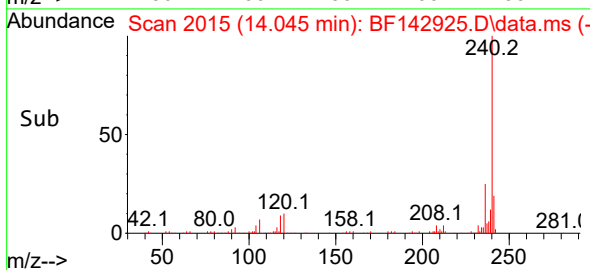
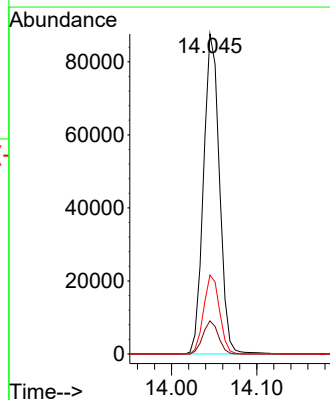
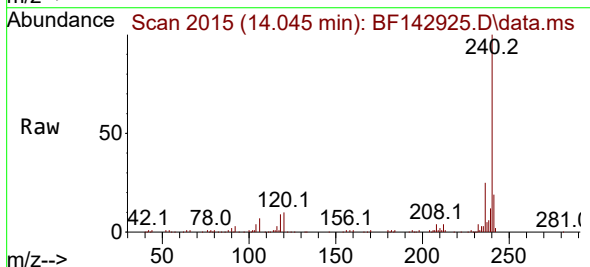
Instrument :
BNA_F
ClientSampleId :
TP-99

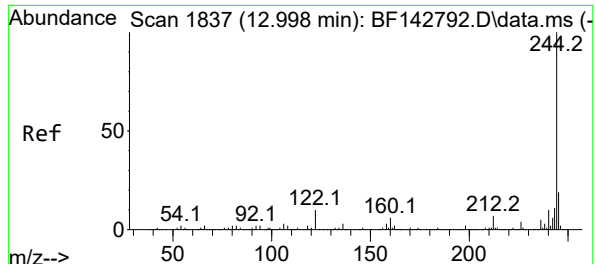
Tgt Ion:188 Resp: 188531
Ion Ratio Lower Upper
188 100
94 7.6 6.7 10.1
80 8.1 6.9 10.3



#76
Chrysene-d12
Concen: 20.000 ng
RT: 14.045 min Scan# 2015
Delta R.T. -0.012 min
Lab File: BF142925.D
Acq: 30 Jun 2025 20:14

Tgt Ion:240 Resp: 113906
Ion Ratio Lower Upper
240 100
120 10.4 8.2 12.2
236 24.6 19.8 29.8





#79

Terphenyl-d14

Concen: 42.629 ng

RT: 12.986 min Scan# 11

Delta R.T. -0.012 min

Lab File: BF142925.D

Acq: 30 Jun 2025 20:14

Instrument :

BNA_F

ClientSampleId :

TP-99

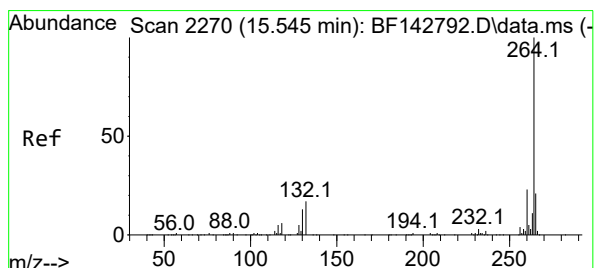
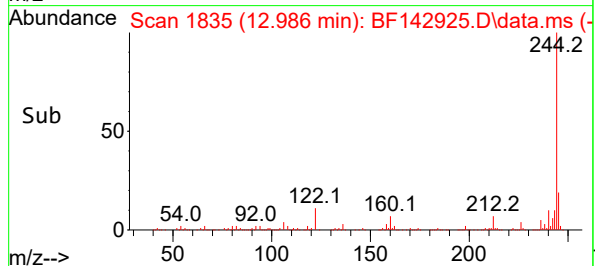
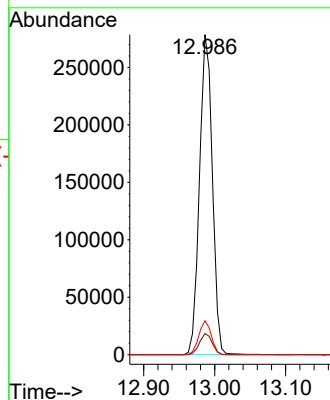
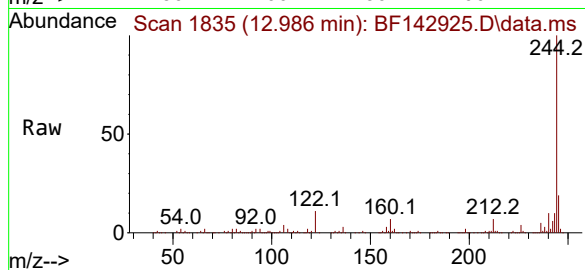
Tgt Ion:244 Resp: 351428

Ion Ratio Lower Upper

244 100

212 6.6 5.4 8.0

122 10.6 8.2 12.2



#86

Perylene-d12

Concen: 20.000 ng

RT: 15.539 min Scan# 2269

Delta R.T. -0.006 min

Lab File: BF142925.D

Acq: 30 Jun 2025 20:14

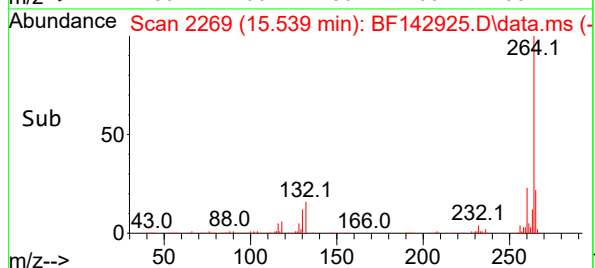
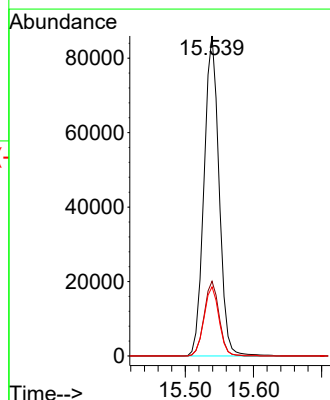
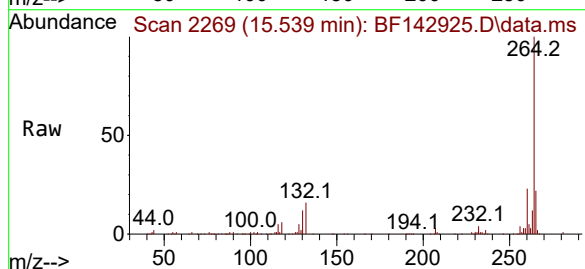
Tgt Ion:264 Resp: 131680

Ion Ratio Lower Upper

264 100

260 23.3 18.1 27.1

265 21.6 16.6 25.0



Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF063025\
 Data File : BF142925.D
 Acq On : 30 Jun 2025 20:14
 Operator : RC/JU
 Sample : Q2436-09
 Misc :
 ALS Vial : 11 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 TP-99

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-BF061925.M

Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

Signal : TIC: BF142925.D\data.ms

peak #	R.T. min	first scan	max scan	last scan	PK TY	peak height	corr. area	corr. % max.	% of total
1	5.081	483	491	503	rBV	73458	108784	9.15%	1.386%
2	5.487	555	560	576	rBV	698477	943218	79.32%	12.018%
3	6.498	727	732	754	rBV	733802	941831	79.20%	12.000%
4	6.869	791	795	801	rBV	271609	340419	28.63%	4.337%
5	7.434	885	891	902	rBV	474885	595148	50.05%	7.583%
6	8.157	1009	1014	1030	rBV	352573	442713	37.23%	5.641%
7	9.234	1191	1197	1202	rBV	920428	1189140	100.00%	15.151%
8	9.910	1307	1312	1318	rBV	377738	484107	40.71%	6.168%
9	10.628	1428	1434	1442	rVB	65754	84904	7.14%	1.082%
10	10.704	1442	1447	1456	rBV	484099	626733	52.70%	7.985%
11	11.404	1560	1566	1572	rBV	347222	443545	37.30%	5.651%
12	11.922	1649	1654	1658	rBV	18056	26500	2.23%	0.338%
13	12.845	1806	1811	1816	rBV	12909	18846	1.58%	0.240%
14	12.986	1830	1835	1840	rBV	732911	910259	76.55%	11.598%
15	13.886	1981	1988	2000	rBV	22055	47466	3.99%	0.605%
16	14.045	2010	2015	2027	rVB	227725	293077	24.65%	3.734%
17	14.510	2089	2094	2100	rBV4	5419	12109	1.02%	0.154%
18	15.539	2263	2269	2277	rBV	224355	339834	28.58%	4.330%

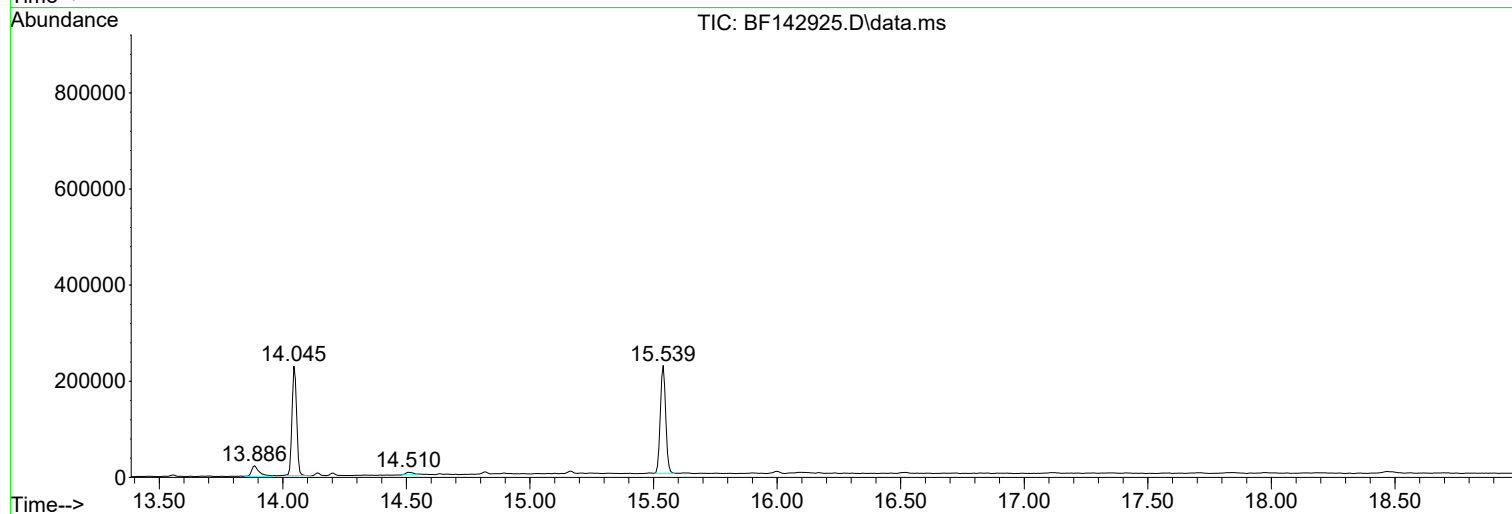
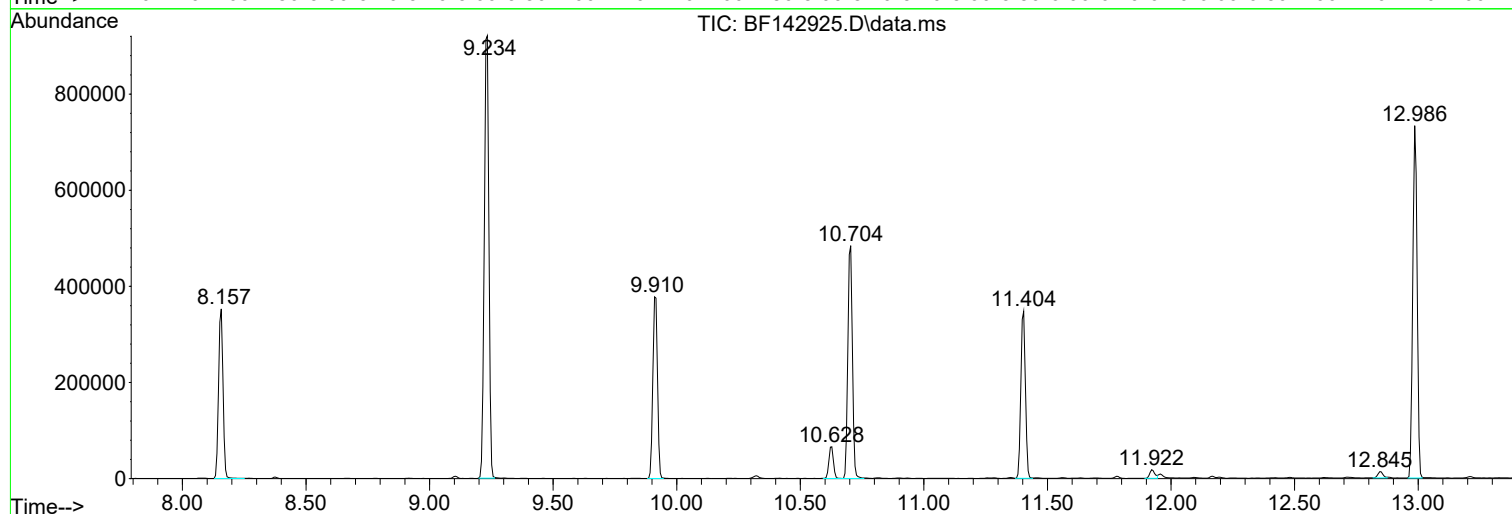
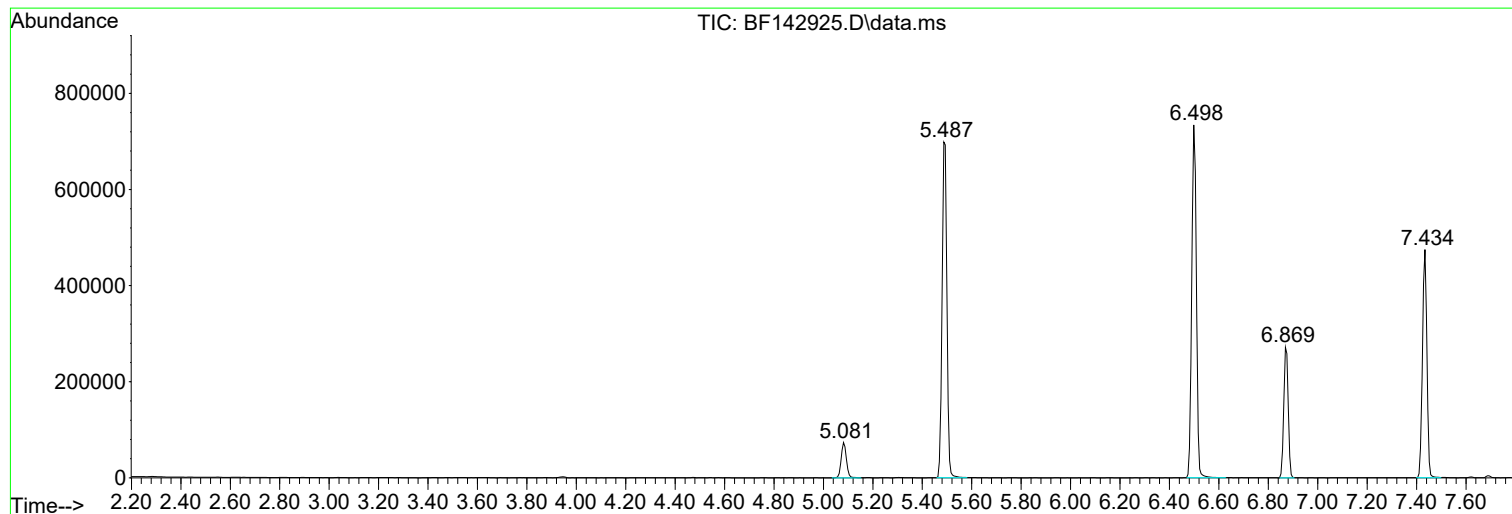
Sum of corrected areas: 7848633

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF063025\
Data File : BF142925.D
Acq On : 30 Jun 2025 20:14
Operator : RC/JU
Sample : Q2436-09
Misc :
ALS Vial : 11 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
TP-99

Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF061925.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\BF063025\
Data File : BF142925.D
Acq On : 30 Jun 2025 20:14
Operator : RC/JU
Sample : Q2436-09
Misc :
ALS Vial : 11 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
TP-99

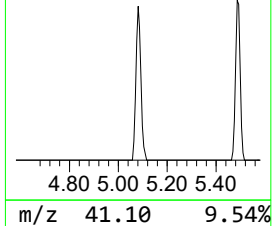
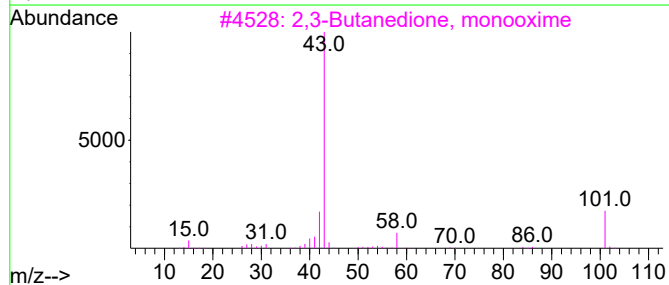
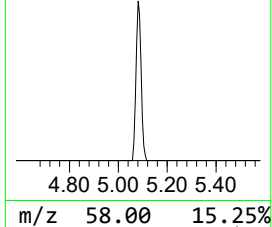
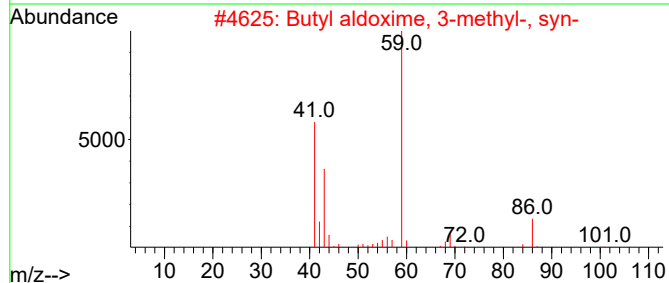
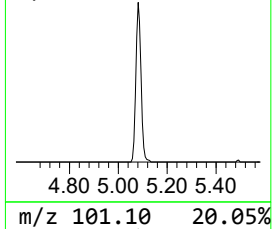
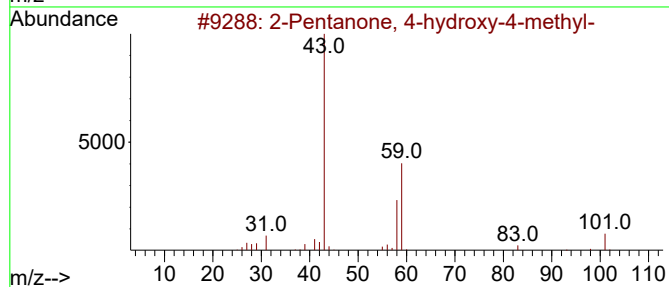
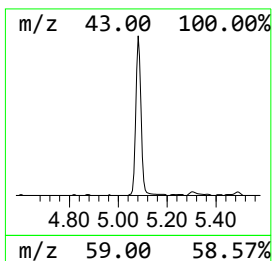
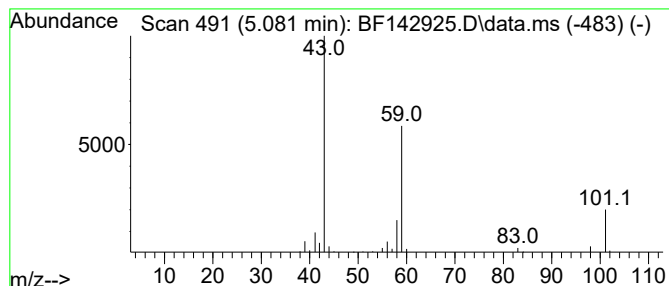
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF061925.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

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

R.T.	EstConc	Area	Relative to ISTD	R.T.
5.081	6.39 ng	108784	1,4-Dichlorobenzene-d4	6.869

Hit#	of	5	Tentative ID	MW	MolForm	CAS#	Qual
1	2-Pentanone, 4-hydroxy-4-methyl-	116	C6H12O2	000123-42-2	40		
2	Butyl aldoxime, 3-methyl-, syn-	101	C5H11NO	005780-40-5	35		
3	2,3-Butanedione, monooxime	101	C4H7NO2	000057-71-6	35		
4	Acetic acid, cyano-, 1,1-dimethy...	141	C7H11NO2	001116-98-9	25		
5	1-Propen-2-ol, acetate	100	C5H8O2	000108-22-5	10		



Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF063025\
Data File : BF142925.D
Acq On : 30 Jun 2025 20:14
Operator : RC/JU
Sample : Q2436-09
Misc :
ALS Vial : 11 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
TP-99

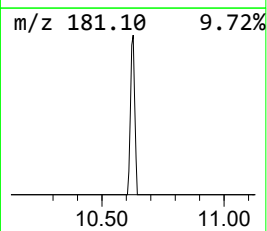
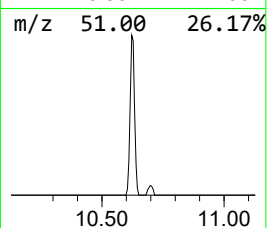
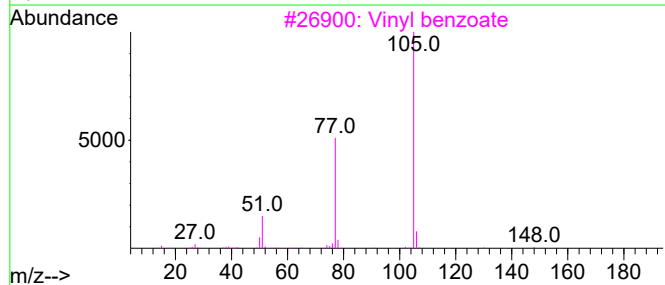
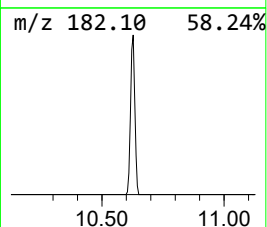
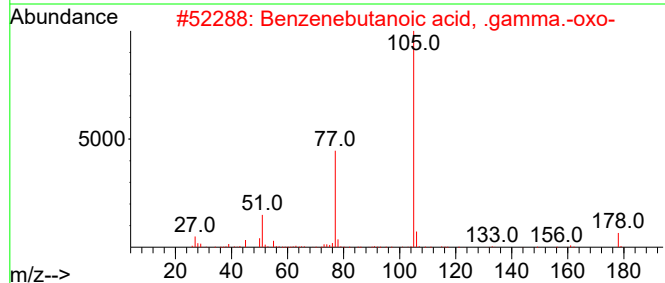
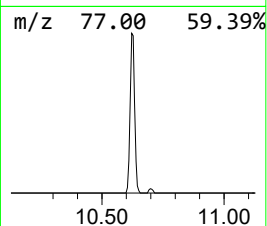
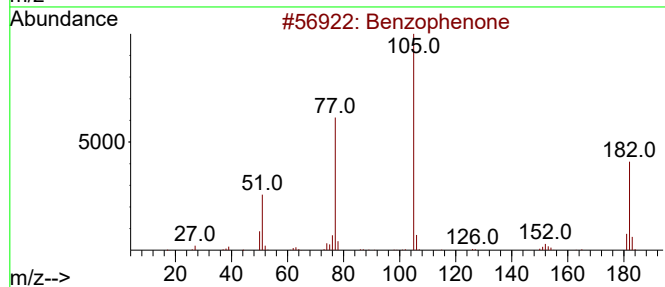
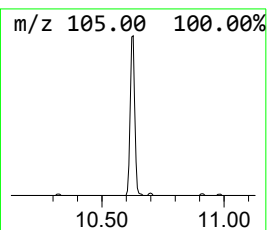
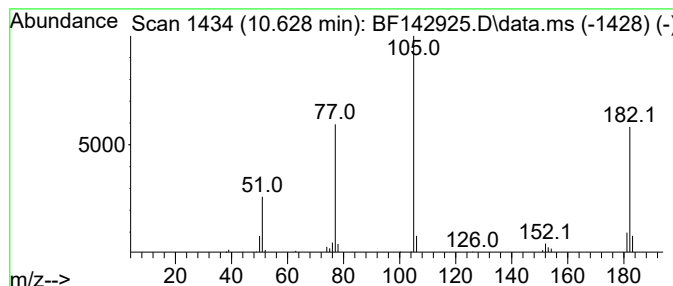
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF061925.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 2 Benzophenone Concentration Rank 2

R.T.	EstConc	Area	Relative to ISTD	R.T.
10.628	3.51 ng	84904	Acenaphthene-d10	9.916

Hit#	of	5	Tentative ID	MW	MolForm	CAS#	Qual
1			Benzophenone	182	C13H10O	000119-61-9	97
2			Benzenebutanoic acid, .gamma.-oxo-	178	C10H10O3	002051-95-8	47
3			Vinyl benzoate	148	C9H8O2	000769-78-8	47
4			Benzoylformic acid	150	C8H6O3	000611-73-4	47
5			N-Methoxy-N-methylbenzamide	165	C9H11NO2	006919-61-5	47



Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF063025\
Data File : BF142925.D
Acq On : 30 Jun 2025 20:14
Operator : RC/JU
Sample : Q2436-09
Misc :
ALS Vial : 11 Sample Multiplier: 1

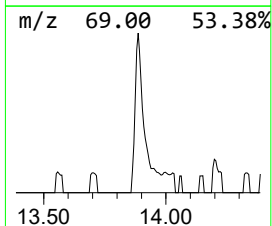
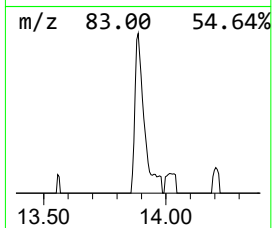
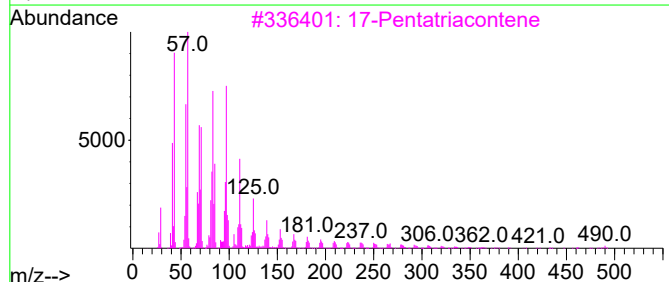
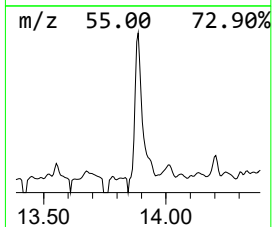
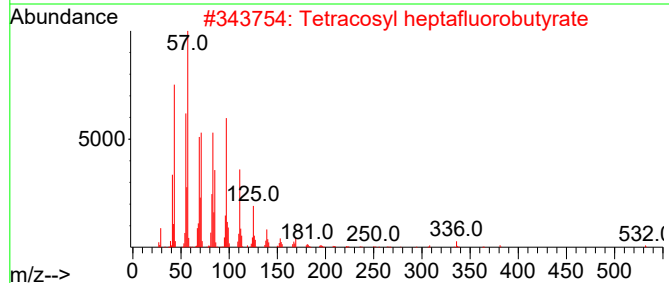
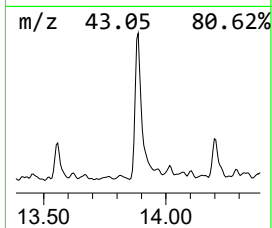
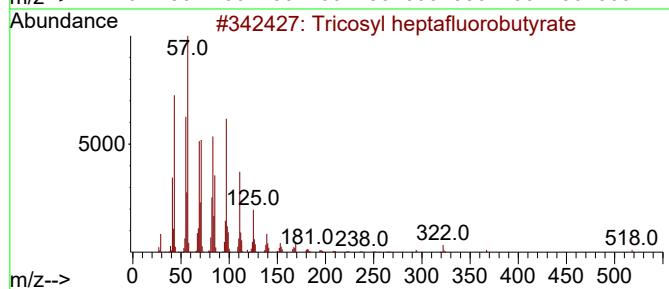
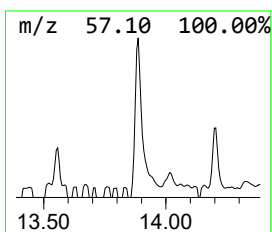
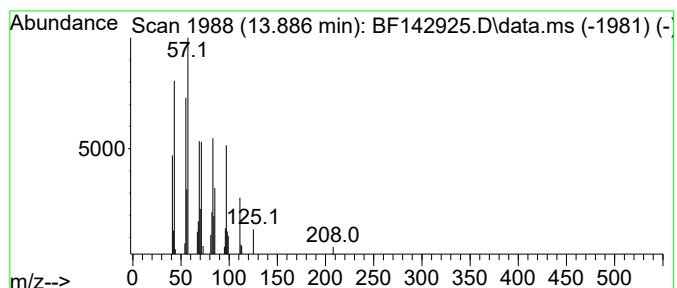
Instrument :
BNA_F
ClientSampleId :
TP-99

Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF061925.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 3 Tricosyl heptafluorobutyrate Concentration Rank 3

R.T.	EstConc	Area	Relative to ISTD	R.T.	
13.886	3.24 ng	47466	Chrysene-d12	14.045	
Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Tricosyl heptafluorobutyrate	536	C27H47F7O2	1000351-83-4	91
2	Tetracosyl heptafluorobutyrate	550	C28H49F7O2	1000351-83-7	91
3	17-Pentatriacontene	491	C35H70	006971-40-0	91
4	Tricosyl trifluoroacetate	436	C25H47F3O2	1000351-75-1	91
5	Nonadecyl pentafluoropropionate	430	C22H39F5O2	1000351-88-8	91



Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF063025\
Data File : BF142925.D
Acq On : 30 Jun 2025 20:14
Operator : RC/JU
Sample : Q2436-09
Misc :
ALS Vial : 11 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
TP-99

Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF061925.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

TIC Top Hit name	RT	EstConc	Units	Response	--Internal Standard--			
					#	RT	Resp	Conc
2-Pentanone, 4-...	5.081	6.4	ng	108784	1	6.869	340419	20.0
Benzophenone	10.628	3.5	ng	84904	3	9.916	484107	20.0
Tricosyl heptaf...	13.886	3.2	ng	47466	5	14.045	293077	20.0

Report of Analysis

Client:	CDM Smith	Date Collected:	06/26/25
Project:	South River WM Replacement	Date Received:	06/26/25
Client Sample ID:	TP-82	SDG No.:	Q2436
Lab Sample ID:	Q2436-10	Matrix:	SOIL
Analytical Method:	8270E	% Solid:	92
Sample Wt/Vol:	30.09 Units: g	Final Vol:	1000 uL
Soil Aliquot Vol:	uL	Test:	SVOC-TCL BNA -20
Extraction Type :	Decanted : N	Level :	LOW
Injection Volume :	GPC Factor : 1.0	GPC Cleanup :	N PH :
Prep Method :	SW3541		

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
BF142931.D	1	06/27/25 11:20	06/30/25 23:15	PB168649

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units(Dry Weight)
TARGETS						
100-52-7	Benzaldehyde	170	U	170	360	ug/Kg
108-95-2	Phenol	23.9	U	23.9	180	ug/Kg
111-44-4	bis(2-Chloroethyl)ether	26.3	U	26.3	180	ug/Kg
95-57-8	2-Chlorophenol	26.4	U	26.4	180	ug/Kg
95-48-7	2-Methylphenol	32.4	U	32.4	180	ug/Kg
108-60-1	2,2-oxybis(1-Chloropropane)	40.6	U	40.6	180	ug/Kg
98-86-2	Acetophenone	32.0	U	32.0	180	ug/Kg
65794-96-9	3+4-Methylphenols	44.5	U	44.5	360	ug/Kg
621-64-7	n-Nitroso-di-n-propylamine	51.4	U	51.4	86.7	ug/Kg
67-72-1	Hexachloroethane	19.1	U	19.1	180	ug/Kg
98-95-3	Nitrobenzene	19.8	U	19.8	180	ug/Kg
78-59-1	Isophorone	35.5	U	35.5	180	ug/Kg
88-75-5	2-Nitrophenol	63.1	U	63.1	180	ug/Kg
105-67-9	2,4-Dimethylphenol	70.2	U	70.2	180	ug/Kg
111-91-1	bis(2-Chloroethoxy)methane	33.4	U	33.4	180	ug/Kg
120-83-2	2,4-Dichlorophenol	30.7	U	30.7	180	ug/Kg
91-20-3	Naphthalene	24.6	U	24.6	180	ug/Kg
106-47-8	4-Chloroaniline	38.4	U	38.4	180	ug/Kg
87-68-3	Hexachlorobutadiene	27.4	U	27.4	180	ug/Kg
105-60-2	Caprolactam	56.5	U	56.5	360	ug/Kg
59-50-7	4-Chloro-3-methylphenol	31.1	U	31.1	180	ug/Kg
91-57-6	2-Methylnaphthalene	27.7	U	27.7	180	ug/Kg
77-47-4	Hexachlorocyclopentadiene	130	U	130	360	ug/Kg
88-06-2	2,4,6-Trichlorophenol	21.5	U	21.5	180	ug/Kg
95-95-4	2,4,5-Trichlorophenol	31.5	U	31.5	180	ug/Kg
92-52-4	1,1-Biphenyl	23.6	U	23.6	180	ug/Kg
91-58-7	2-Chloronaphthalene	24.4	U	24.4	180	ug/Kg
88-74-4	2-Nitroaniline	52.1	U	52.1	180	ug/Kg
131-11-3	Dimethylphthalate	29.4	U	29.4	180	ug/Kg

Report of Analysis

Client:	CDM Smith	Date Collected:	06/26/25
Project:	South River WM Replacement	Date Received:	06/26/25
Client Sample ID:	TP-82	SDG No.:	Q2436
Lab Sample ID:	Q2436-10	Matrix:	SOIL
Analytical Method:	8270E	% Solid:	92
Sample Wt/Vol:	30.09 Units: g	Final Vol:	1000 uL
Soil Aliquot Vol:	uL	Test:	SVOC-TCL BNA -20
Extraction Type :	Decanted : N	Level :	LOW
Injection Volume :	GPC Factor : 1.0	GPC Cleanup :	N PH :
Prep Method :	SW3541		

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
BF142931.D	1	06/27/25 11:20	06/30/25 23:15	PB168649

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units(Dry Weight)
208-96-8	Acenaphthylene	31.3	U	31.3	180	ug/Kg
606-20-2	2,6-Dinitrotoluene	36.4	U	36.4	180	ug/Kg
99-09-2	3-Nitroaniline	49.9	U	49.9	180	ug/Kg
83-32-9	Acenaphthene	23.1	U	23.1	180	ug/Kg
51-28-5	2,4-Dinitrophenol	250	U	250	360	ug/Kg
100-02-7	4-Nitrophenol	120	U	120	360	ug/Kg
132-64-9	Dibenzofuran	24.6	U	24.6	180	ug/Kg
121-14-2	2,4-Dinitrotoluene	54.3	U	54.3	180	ug/Kg
84-66-2	Diethylphthalate	30.7	U	30.7	180	ug/Kg
7005-72-3	4-Chlorophenyl-phenylether	28.9	U	28.9	180	ug/Kg
86-73-7	Fluorene	27.4	U	27.4	180	ug/Kg
100-01-6	4-Nitroaniline	69.6	U	69.6	180	ug/Kg
534-52-1	4,6-Dinitro-2-methylphenol	110	U	110	360	ug/Kg
86-30-6	n-Nitrosodiphenylamine	35.7	U	35.7	180	ug/Kg
101-55-3	4-Bromophenyl-phenylether	30.1	U	30.1	180	ug/Kg
118-74-1	Hexachlorobenzene	27.4	U	27.4	180	ug/Kg
1912-24-9	Atrazine	36.8	U	36.8	180	ug/Kg
87-86-5	Pentachlorophenol	55.6	U	55.6	360	ug/Kg
85-01-8	Phenanthrene	22.6	U	22.6	180	ug/Kg
120-12-7	Anthracene	36.1	U	36.1	180	ug/Kg
86-74-8	Carbazole	33.8	U	33.8	180	ug/Kg
84-74-2	Di-n-butylphthalate	51.9	U	51.9	180	ug/Kg
206-44-0	Fluoranthene	32.5	U	32.5	180	ug/Kg
129-00-0	Pyrene	39.0	U	39.0	180	ug/Kg
85-68-7	Butylbenzylphthalate	77.4	U	77.4	180	ug/Kg
91-94-1	3,3-Dichlorobenzidine	39.8	U	39.8	360	ug/Kg
56-55-3	Benzo(a)anthracene	24.9	U	24.9	180	ug/Kg
218-01-9	Chrysene	21.6	U	21.6	180	ug/Kg
117-81-7	Bis(2-ethylhexyl)phthalate	64.2	U	64.2	180	ug/Kg
117-84-0	Di-n-octyl phthalate	94.1	U	94.1	360	ug/Kg
205-99-2	Benzo(b)fluoranthene	20.6	U	20.6	180	ug/Kg

Report of Analysis

Client:	CDM Smith	Date Collected:	06/26/25
Project:	South River WM Replacement	Date Received:	06/26/25
Client Sample ID:	TP-82	SDG No.:	Q2436
Lab Sample ID:	Q2436-10	Matrix:	SOIL
Analytical Method:	8270E	% Solid:	92
Sample Wt/Vol:	30.09 Units: g	Final Vol:	1000 uL
Soil Aliquot Vol:	uL	Test:	SVOC-TCL BNA -20
Extraction Type :	Decanted : N	Level :	LOW
Injection Volume :	GPC Factor : 1.0	GPC Cleanup :	N PH :
Prep Method :	SW3541		

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
BF142931.D	1	06/27/25 11:20	06/30/25 23:15	PB168649

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units(Dry Weight)
207-08-9	Benzo(k)fluoranthene	24.3	U	24.3	180	ug/Kg
50-32-8	Benzo(a)pyrene	32.0	U	32.0	180	ug/Kg
193-39-5	Indeno(1,2,3-cd)pyrene	31.5	U	31.5	180	ug/Kg
53-70-3	Dibenzo(a,h)anthracene	29.7	U	29.7	180	ug/Kg
191-24-2	Benzo(g,h,i)perylene	27.9	U	27.9	180	ug/Kg
95-94-3	1,2,4,5-Tetrachlorobenzene	27.7	U	27.7	180	ug/Kg
123-91-1	1,4-Dioxane	49.0	U	49.0	180	ug/Kg
58-90-2	2,3,4,6-Tetrachlorophenol	29.7	U	29.7	180	ug/Kg

SURROGATES

367-12-4	2-Fluorophenol	80.1		18 - 112	53%	SPK: 150
13127-88-3	Phenol-d6	78.8		15 - 107	53%	SPK: 150
4165-60-0	Nitrobenzene-d5	50.9		18 - 107	51%	SPK: 100
321-60-8	2-Fluorobiphenyl	53.5		20 - 109	54%	SPK: 100
118-79-6	2,4,6-Tribromophenol	74.7		10 - 116	50%	SPK: 150
1718-51-0	Terphenyl-d14	38.3		10 - 105	38%	SPK: 100

INTERNAL STANDARDS

3855-82-1	1,4-Dichlorobenzene-d4	59100	6.875
1146-65-2	Naphthalene-d8	215000	8.157
15067-26-2	Acenaphthene-d10	105000	9.91
1517-22-2	Phenanthrene-d10	158000	11.404
1719-03-5	Chrysene-d12	118000	14.045
1520-96-3	Perylene-d12	137000	15.539

TENTATIVE IDENTIFIED COMPOUNDS

000123-42-2	2-Pentanone, 4-hydroxy-4-methyl-	220	AB	5.09	ug/Kg
000119-61-9	Benzophenone	120	J	10.6	ug/Kg
079392-43-1	Octadecyl trifluoroacetate	120	J	13.9	ug/Kg
000791-28-6	Triphenylphosphine oxide	130	J	14.1	ug/Kg

Report of Analysis

Client:	CDM Smith	Date Collected:	06/26/25
Project:	South River WM Replacement	Date Received:	06/26/25
Client Sample ID:	TP-82	SDG No.:	Q2436
Lab Sample ID:	Q2436-10	Matrix:	SOIL
Analytical Method:	8270E	% Solid:	92
Sample Wt/Vol:	30.09	Units:	g
Soil Aliquot Vol:			uL
Extraction Type :		Decanted :	N
Injection Volume :		GPC Factor :	1.0
Prep Method :	SW3541	Level :	LOW
		Final Vol:	1000 uL
		Test:	SVOC-TCL BNA -20
		GPC Cleanup :	N
		PH :	

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
BF142931.D	1	06/27/25 11:20	06/30/25 23:15	PB168649

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\BF063025\
Data File : BF142931.D
Acq On : 30 Jun 2025 23:15
Operator : RC/JU
Sample : Q2436-10
Misc :
ALS Vial : 17 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
TP-82

Quant Time: Jul 01 01:26:06 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF061925.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Tue Jun 24 05:28:21 2025
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) 1,4-Dichlorobenzene-d4	6.875	152	59138	20.000	ng	0.00
21) Naphthalene-d8	8.157	136	215117	20.000	ng	-0.01
39) Acenaphthene-d10	9.910	164	105121	20.000	ng	-0.01
64) Phenanthrene-d10	11.404	188	158342	20.000	ng	0.00
76) Chrysene-d12	14.045	240	117784	20.000	ng	-0.01
86) Perylene-d12	15.539	264	136540	20.000	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.492	112	284450	80.082	ng	0.00
7) Phenol-d6	6.498	99	330034	78.755	ng	-0.01
23) Nitrobenzene-d5	7.434	82	199809	50.948	ng	-0.01
42) 2,4,6-Tribromophenol	10.704	330	80825	74.716	ng	-0.01
45) 2-Fluorobiphenyl	9.233	172	428241	53.516	ng	-0.01
79) Terphenyl-d14	12.986	244	326335	38.282	ng	-0.01

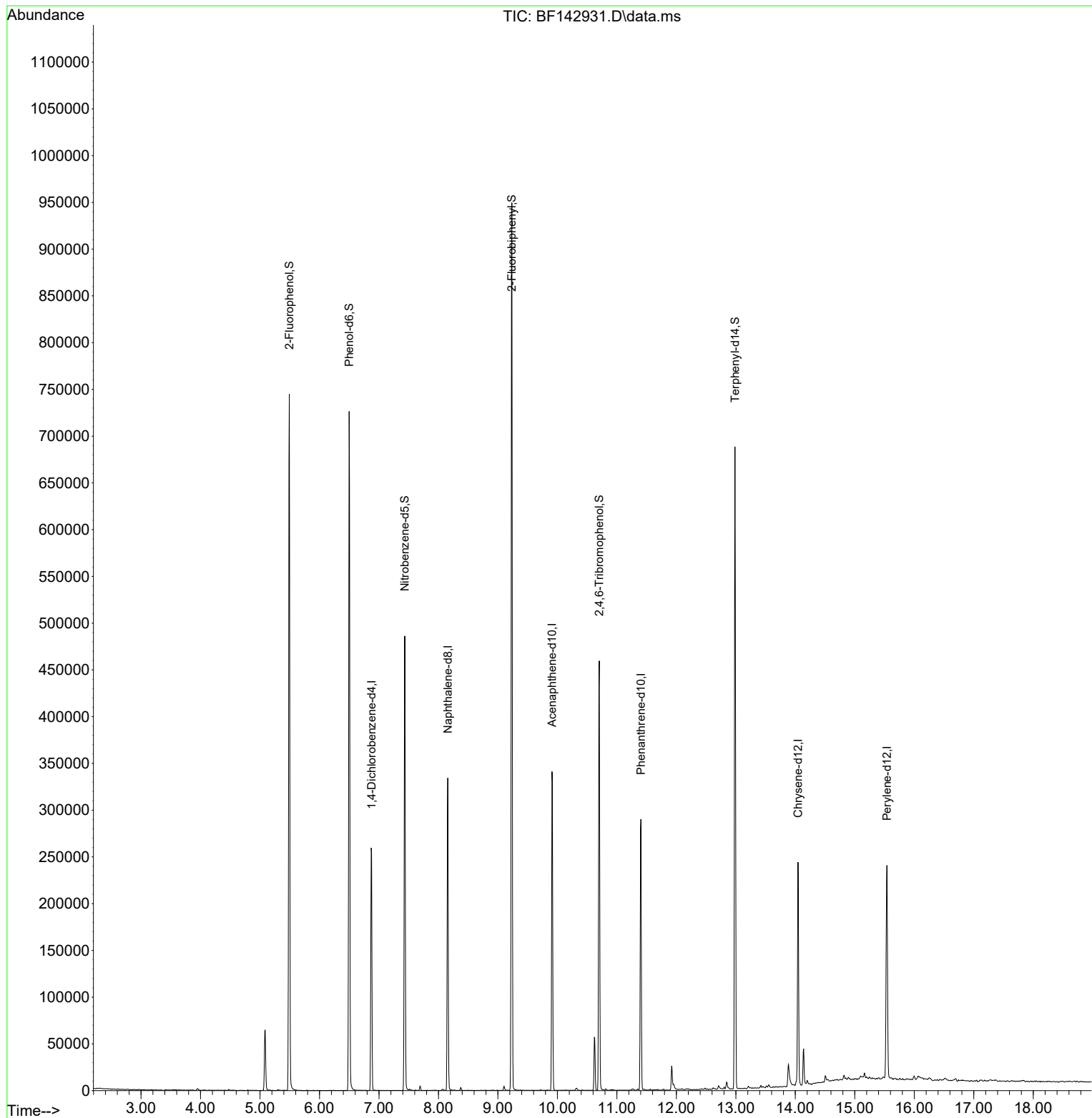
Target Compounds	Qvalue

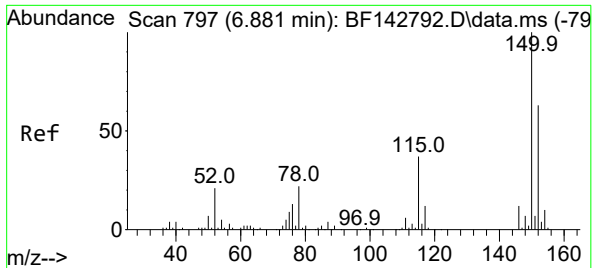
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF063025\
Data File : BF142931.D
Acq On : 30 Jun 2025 23:15
Operator : RC/JU
Sample : Q2436-10
Misc :
ALS Vial : 17 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
TP-82

Quant Time: Jul 01 01:26:06 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF061925.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Tue Jun 24 05:28:21 2025
Response via : Initial Calibration

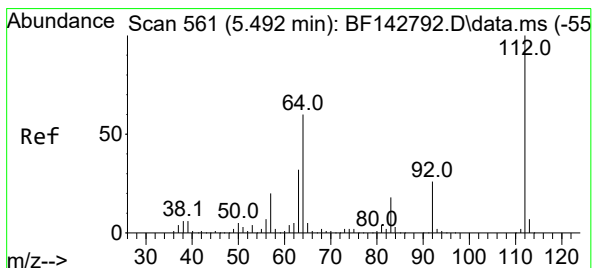
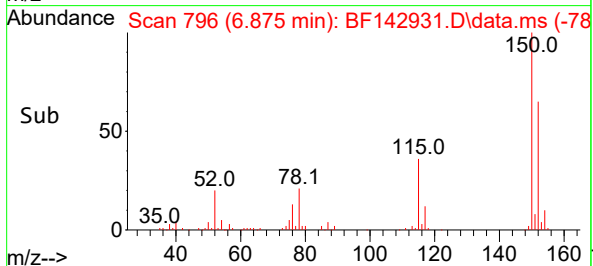
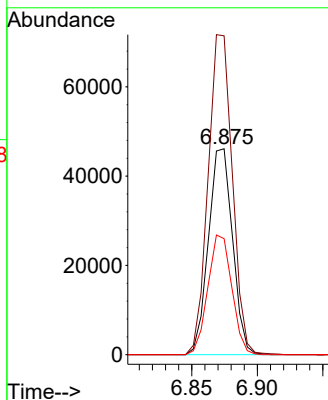
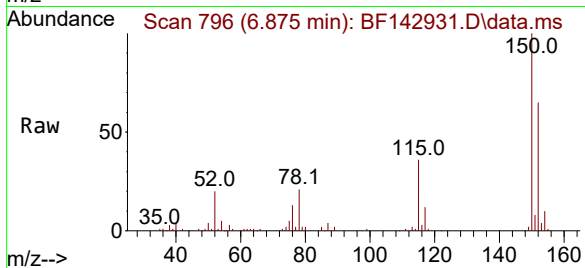




#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.875 min Scan# 797
Delta R.T. -0.006 min
Lab File: BF142931.D
Acq: 30 Jun 2025 23:15

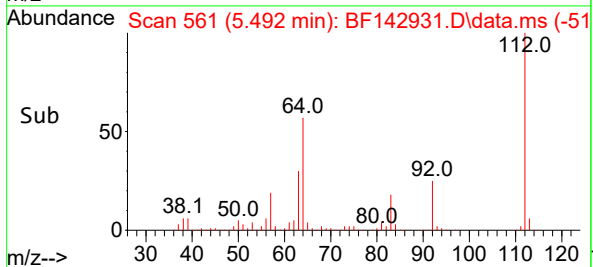
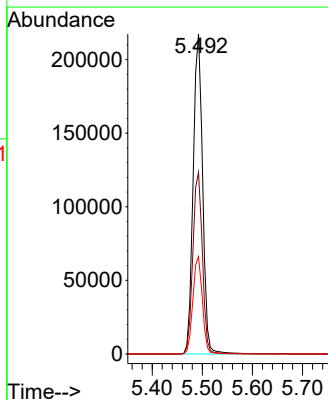
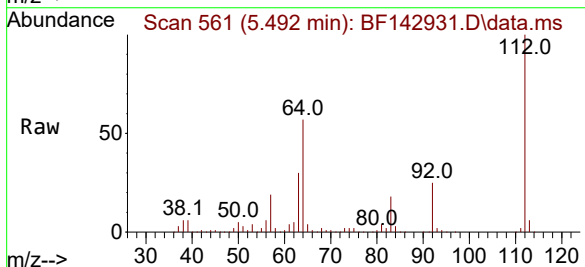
Instrument :
BNA_F
ClientSampleId :
TP-82

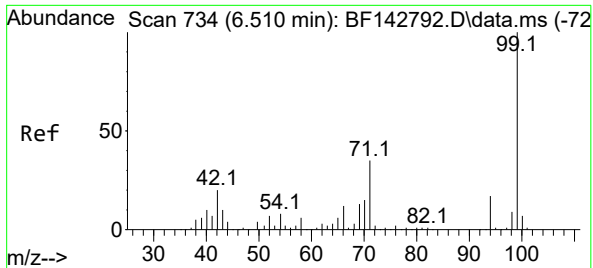
Tgt Ion:152 Resp: 59138
Ion Ratio Lower Upper
152 100
150 154.8 127.2 190.8
115 56.3 46.6 69.8



#5
2-Fluorophenol
Concen: 80.082 ng
RT: 5.492 min Scan# 561
Delta R.T. 0.000 min
Lab File: BF142931.D
Acq: 30 Jun 2025 23:15

Tgt Ion:112 Resp: 284450
Ion Ratio Lower Upper
112 100
64 56.8 48.2 72.2
63 30.4 25.7 38.5

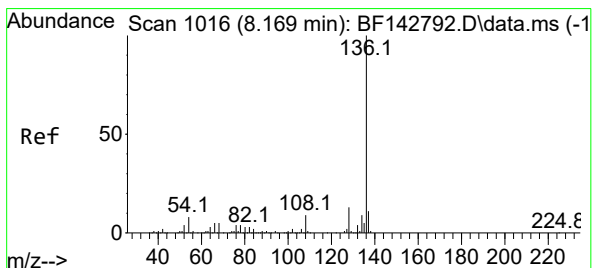
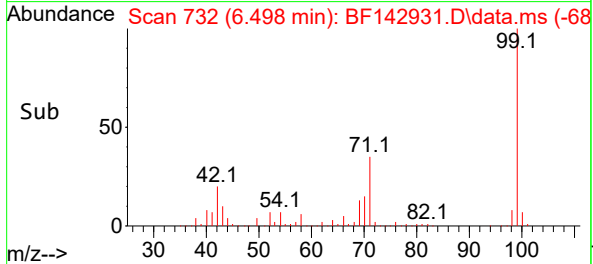
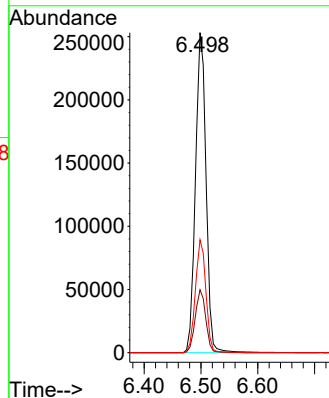
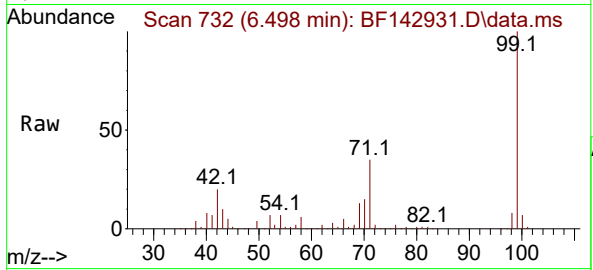




#7
Phenol-d6
Concen: 78.755 ng
RT: 6.498 min Scan# 71
Delta R.T. -0.012 min
Lab File: BF142931.D
Acq: 30 Jun 2025 23:15

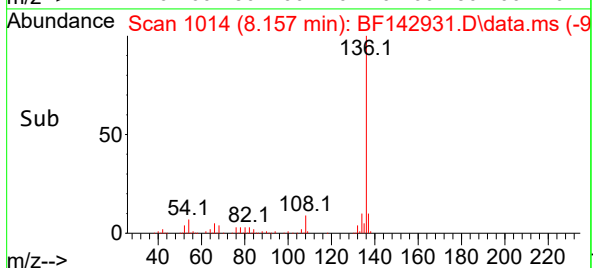
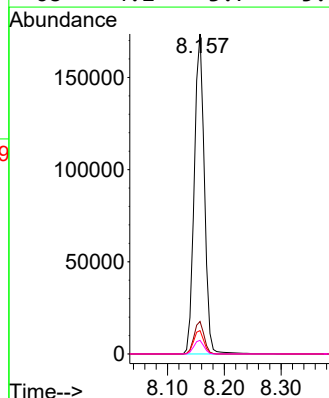
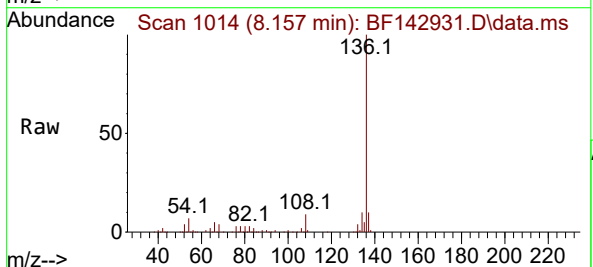
Instrument :
BNA_F
ClientSampleId :
TP-82

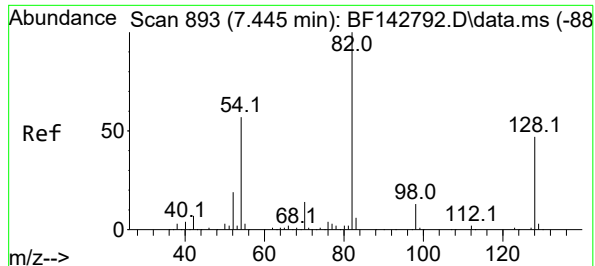
Tgt Ion: 99 Resp: 330034
Ion Ratio Lower Upper
99 100
42 19.7 15.9 23.9
71 35.3 27.8 41.8



#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.157 min Scan# 1014
Delta R.T. -0.012 min
Lab File: BF142931.D
Acq: 30 Jun 2025 23:15

Tgt Ion: 136 Resp: 215117
Ion Ratio Lower Upper
136 100
137 10.1 8.4 12.6
54 7.3 6.3 9.5
68 4.2 3.7 5.5





#23

Nitrobenzene-d5

Concen: 50.948 ng

RT: 7.434 min Scan# 89

Delta R.T. -0.011 min

Lab File: BF142931.D

Acq: 30 Jun 2025 23:15

Instrument :

BNA_F

ClientSampleId :

TP-82

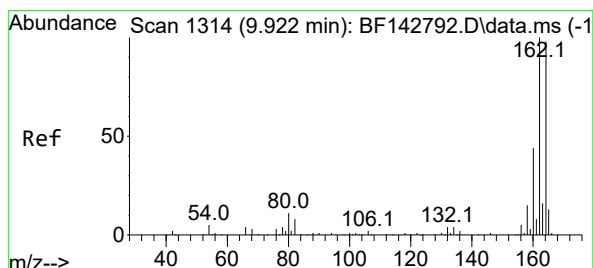
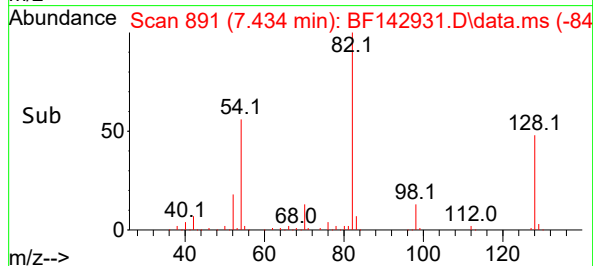
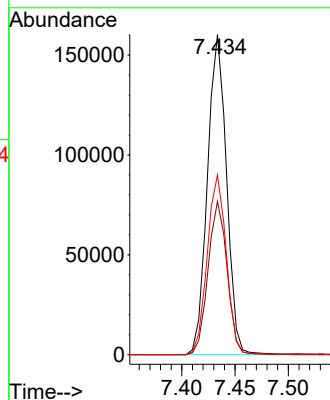
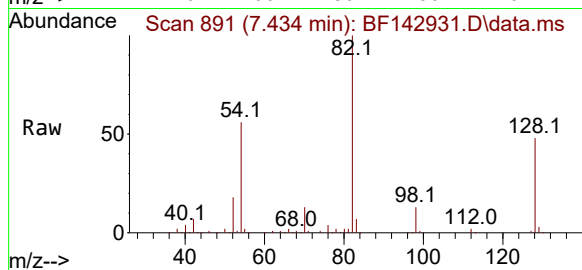
Tgt Ion: 82 Resp: 199809

Ion Ratio Lower Upper

82 100

128 47.9 37.7 56.5

54 56.2 45.7 68.5



#39

Acenaphthene-d10

Concen: 20.000 ng

RT: 9.910 min Scan# 1312

Delta R.T. -0.012 min

Lab File: BF142931.D

Acq: 30 Jun 2025 23:15

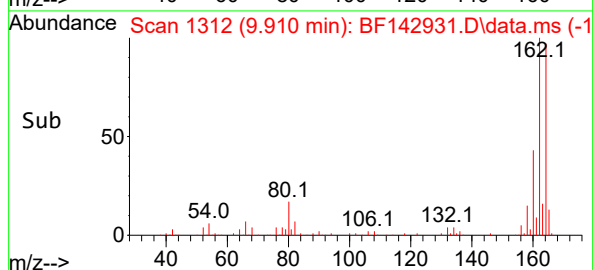
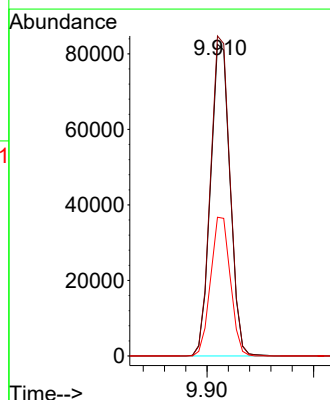
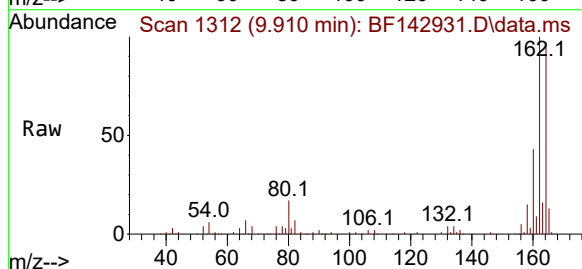
Tgt Ion:164 Resp: 105121

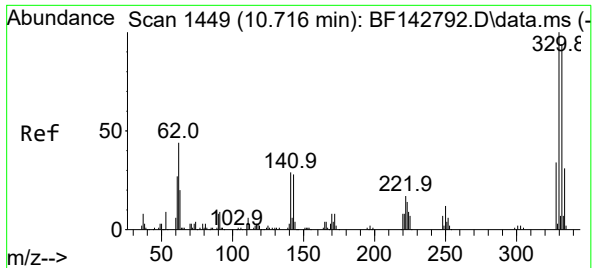
Ion Ratio Lower Upper

164 100

162 102.7 81.8 122.8

160 44.5 36.0 54.0





#42

2,4,6-Tribromophenol

Concen: 74.716 ng

RT: 10.704 min Scan# 1447

Delta R.T. -0.012 min

Lab File: BF142931.D

Acq: 30 Jun 2025 23:15

Instrument :

BNA_F

ClientSampleId :

TP-82

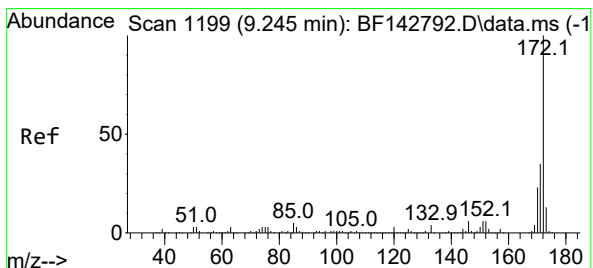
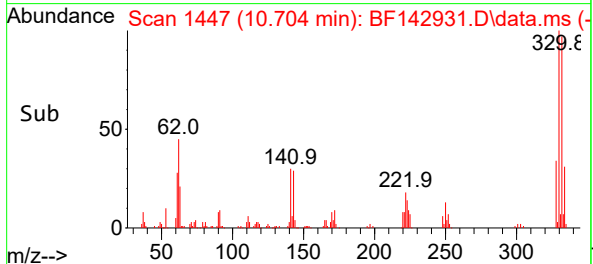
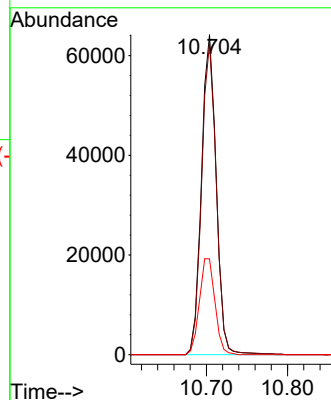
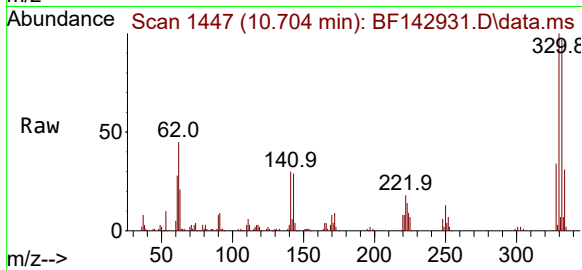
Tgt Ion:330 Resp: 80825

Ion Ratio Lower Upper

330 100

332 97.3 75.0 112.6

141 31.7 25.3 37.9



#45

2-Fluorobiphenyl

Concen: 53.516 ng

RT: 9.233 min Scan# 1197

Delta R.T. -0.012 min

Lab File: BF142931.D

Acq: 30 Jun 2025 23:15

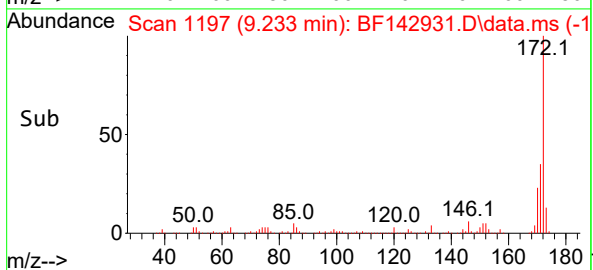
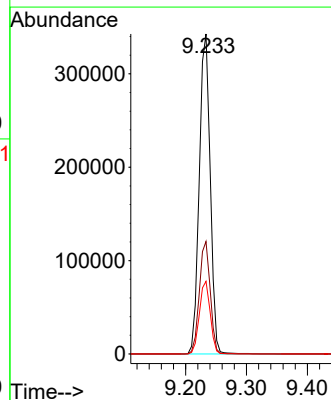
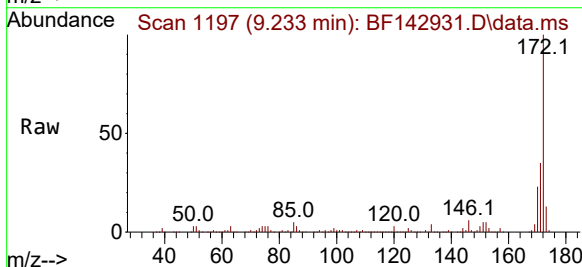
Tgt Ion:172 Resp: 428241

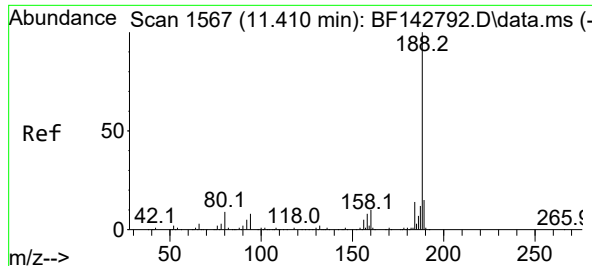
Ion Ratio Lower Upper

172 100

171 35.1 28.2 42.4

170 22.7 18.5 27.7

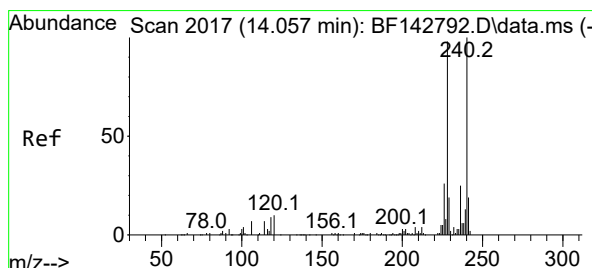
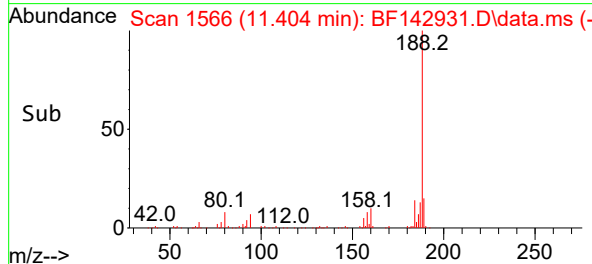
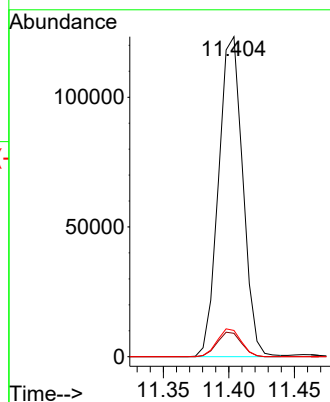
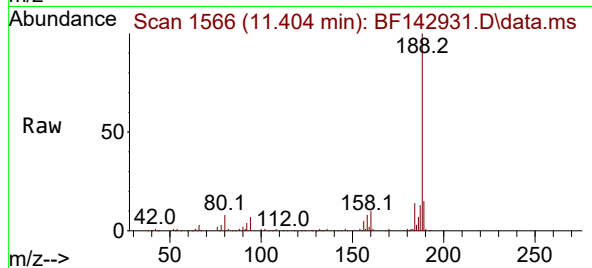




#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.404 min Scan# 11
Delta R.T. -0.006 min
Lab File: BF142931.D
Acq: 30 Jun 2025 23:15

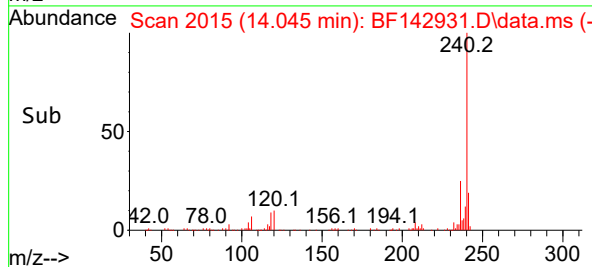
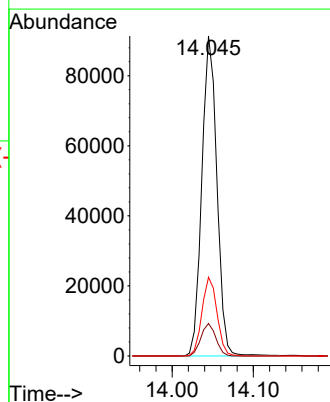
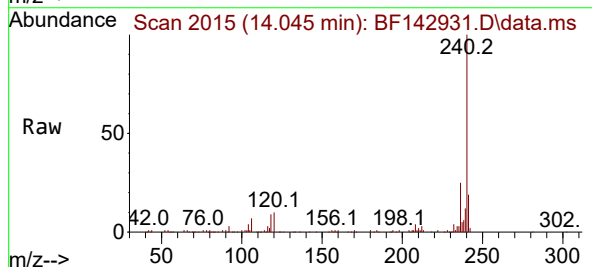
Instrument :
BNA_F
ClientSampleId :
TP-82

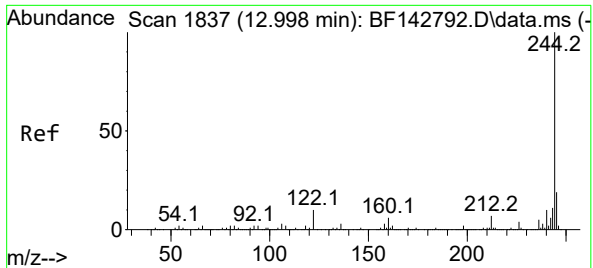
Tgt Ion:188 Resp: 158342
Ion Ratio Lower Upper
188 100
94 7.3 6.7 10.1
80 8.2 6.9 10.3



#76
Chrysene-d12
Concen: 20.000 ng
RT: 14.045 min Scan# 2015
Delta R.T. -0.012 min
Lab File: BF142931.D
Acq: 30 Jun 2025 23:15

Tgt Ion:240 Resp: 117784
Ion Ratio Lower Upper
240 100
120 10.1 8.2 12.2
236 24.6 19.8 29.8





#79

Terphenyl-d14

Concen: 38.282 ng

RT: 12.986 min Scan# 11

Delta R.T. -0.012 min

Lab File: BF142931.D

Acq: 30 Jun 2025 23:15

Instrument :

BNA_F

ClientSampleId :

TP-82

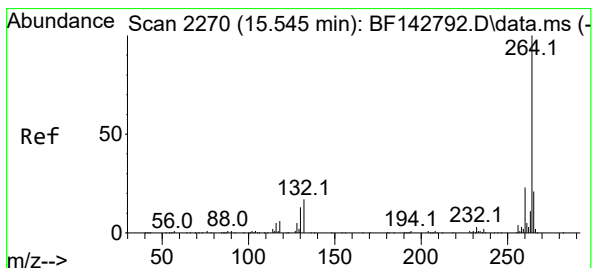
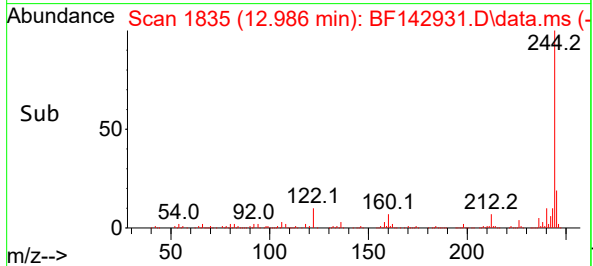
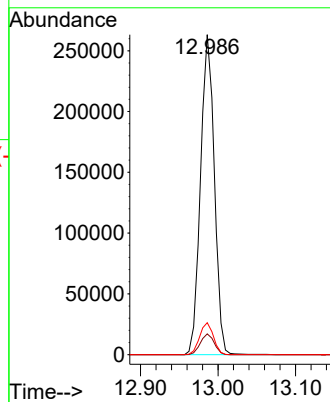
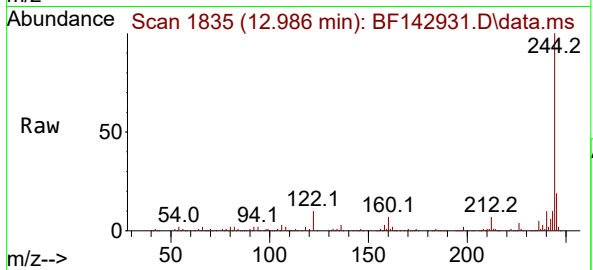
Tgt Ion:244 Resp: 326335

Ion Ratio Lower Upper

244 100

212 6.5 5.4 8.0

122 10.0 8.2 12.2



#86

Perylene-d12

Concen: 20.000 ng

RT: 15.539 min Scan# 2269

Delta R.T. -0.006 min

Lab File: BF142931.D

Acq: 30 Jun 2025 23:15

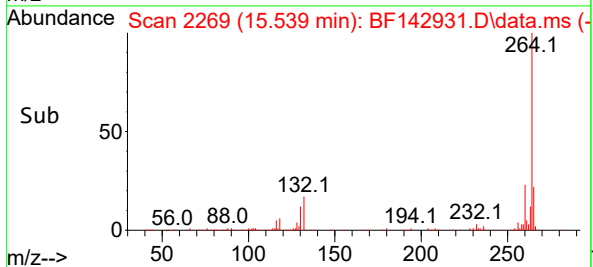
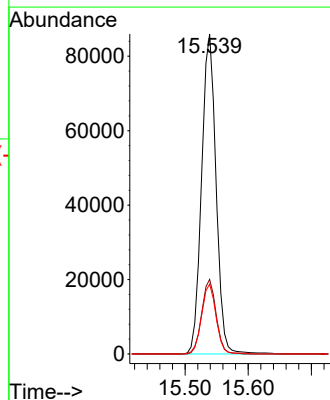
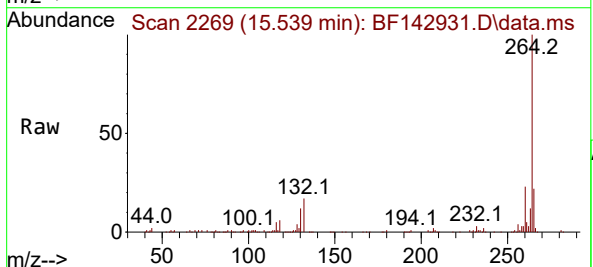
Tgt Ion:264 Resp: 136540

Ion Ratio Lower Upper

264 100

260 23.3 18.1 27.1

265 21.8 16.6 25.0



Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF063025\
 Data File : BF142931.D
 Acq On : 30 Jun 2025 23:15
 Operator : RC/JU
 Sample : Q2436-10
 Misc :
 ALS Vial : 17 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 TP-82

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-BF061925.M

Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

Signal : TIC: BF142931.D\data.ms

peak #	R.T. min	first scan	max scan	last scan	PK TY	peak height	corr. area	corr. % max.	% of total
1	5.087	484	492	503	rBV	64515	99102	8.34%	1.290%
2	5.492	555	561	572	rBV	744695	971388	81.70%	12.646%
3	6.498	727	732	746	rBV	726332	946286	79.59%	12.319%
4	6.869	790	795	803	rBV	259421	328285	27.61%	4.274%
5	7.434	886	891	896	rBV	486077	602126	50.64%	7.839%
6	8.157	1009	1014	1022	rBV	334161	409688	34.46%	5.334%
7	9.233	1191	1197	1202	rBV	949150	1188929	100.00%	15.478%
8	9.910	1307	1312	1318	rBV	341021	429788	36.15%	5.595%
9	10.622	1429	1433	1442	rVB	56360	72081	6.06%	0.938%
10	10.704	1442	1447	1455	rBV	459303	590634	49.68%	7.689%
11	11.404	1561	1566	1572	rBV	289621	370801	31.19%	4.827%
12	11.921	1649	1654	1658	rBV	25593	36208	3.05%	0.471%
13	12.845	1806	1811	1821	rVB	7506	13403	1.13%	0.174%
14	12.986	1830	1835	1840	rBV	686615	845954	71.15%	11.013%
15	13.886	1983	1988	1999	rBV	23609	51359	4.32%	0.669%
16	14.045	2007	2015	2025	rVB	238663	313040	26.33%	4.075%
17	14.139	2026	2031	2038	rBV	38612	55426	4.66%	0.722%
18	15.539	2262	2269	2279	rVB	227536	356872	30.02%	4.646%

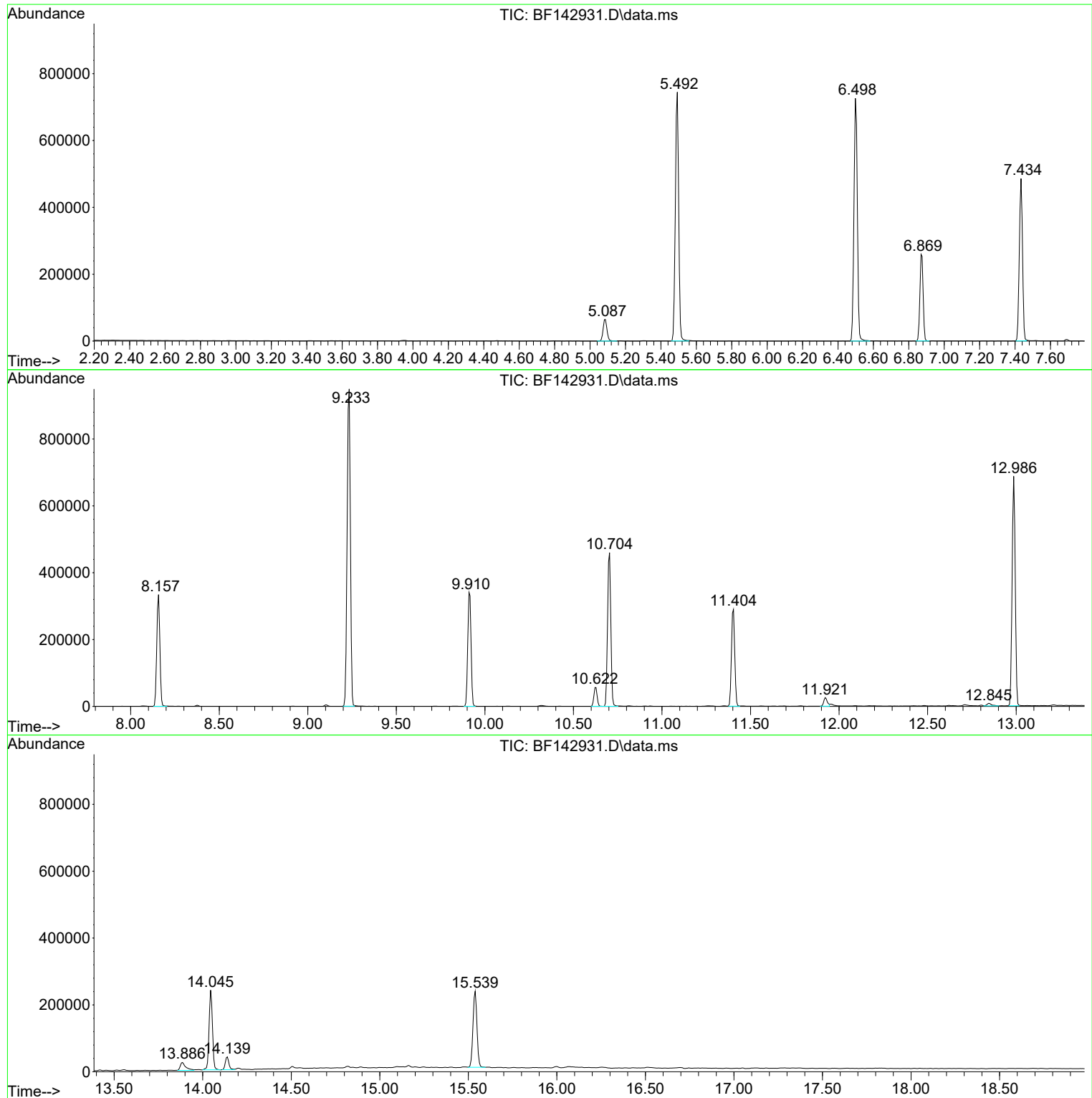
Sum of corrected areas: 7681370

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF063025\
Data File : BF142931.D
Acq On : 30 Jun 2025 23:15
Operator : RC/JU
Sample : Q2436-10
Misc :
ALS Vial : 17 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
TP-82

Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF061925.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\BF063025\
Data File : BF142931.D
Acq On : 30 Jun 2025 23:15
Operator : RC/JU
Sample : Q2436-10
Misc :
ALS Vial : 17 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
TP-82

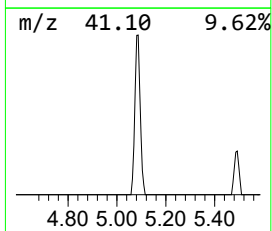
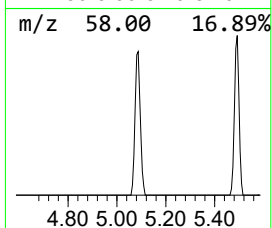
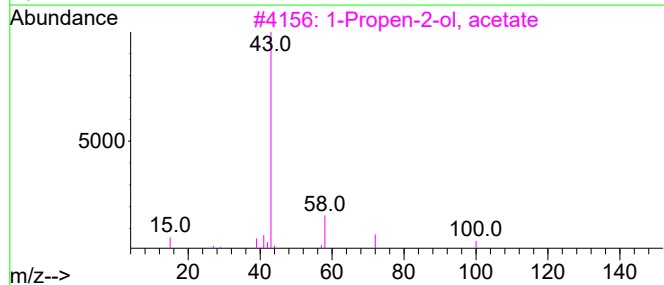
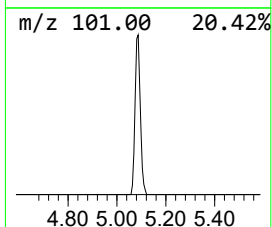
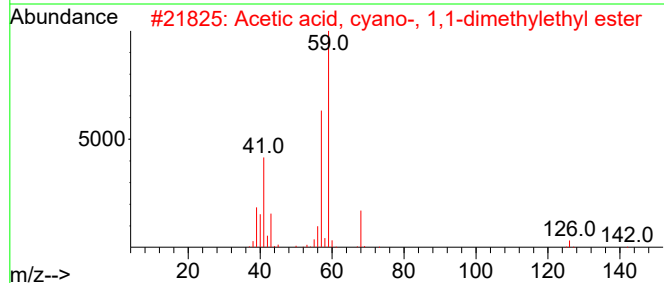
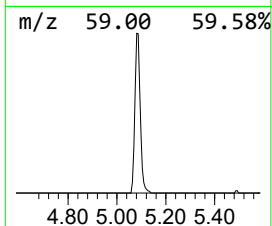
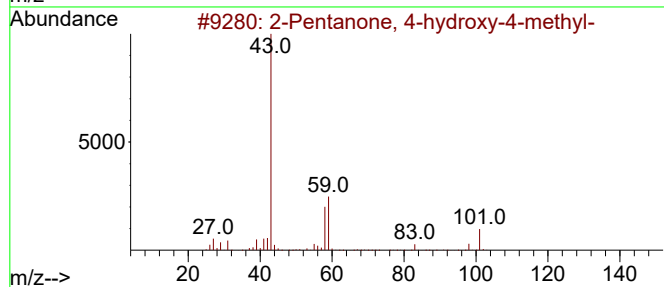
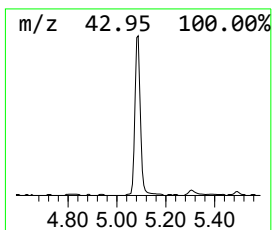
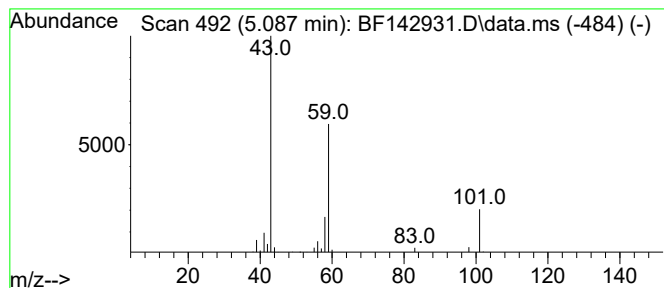
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF061925.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

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

R.T.	EstConc	Area	Relative to ISTD	R.T.
5.087	6.04 ng	99102	1,4-Dichlorobenzene-d4	6.875

Hit#	of	5	Tentative ID	MW	MolForm	CAS#	Qual
1	2-Pentanone, 4-hydroxy-4-methyl-	116	C6H12O2	000123-42-2	64		
2	Acetic acid, cyano-, 1,1-dimethy...	141	C7H11NO2	001116-98-9	25		
3	1-Propen-2-ol, acetate	100	C5H8O2	000108-22-5	10		
4	2,3-Butanedione, monooxime	101	C4H7NO2	000057-71-6	9		
5	Propanoic acid, 3-nitro-, methyl...	133	C4H7NO4	020497-95-4	9		



Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF063025\
Data File : BF142931.D
Acq On : 30 Jun 2025 23:15
Operator : RC/JU
Sample : Q2436-10
Misc :
ALS Vial : 17 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
TP-82

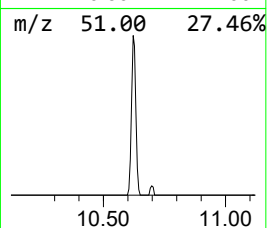
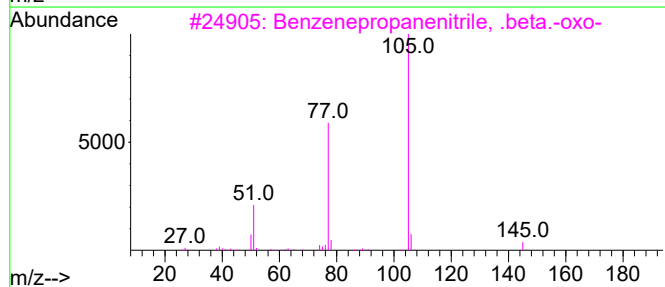
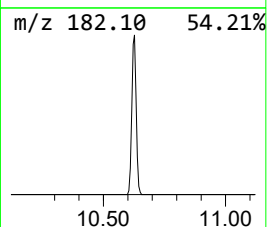
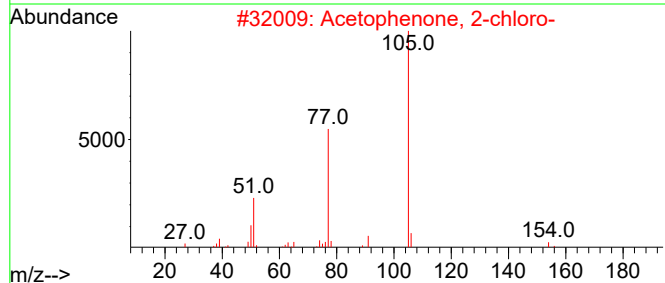
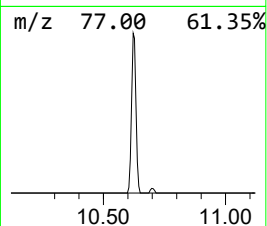
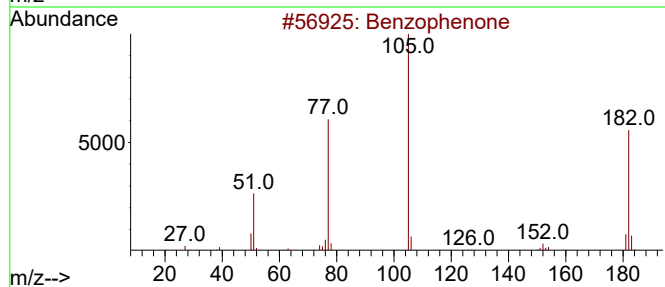
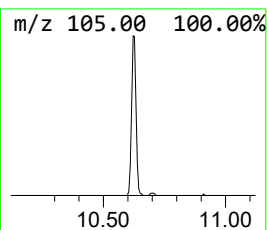
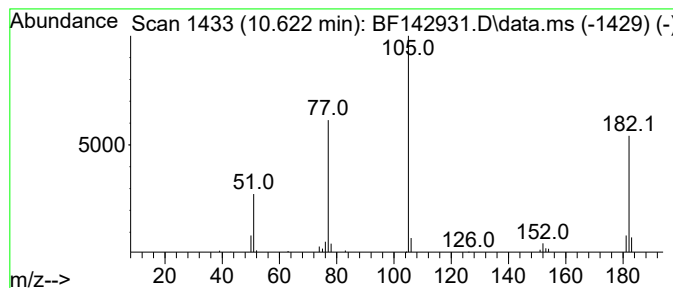
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF061925.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 2 Benzophenone Concentration Rank 3

R.T.	EstConc	Area	Relative to ISTD	R.T.
10.621	3.35 ng	72081	Acenaphthene-d10	9.910

Hit#	of	5	Tentative ID	MW	MolForm	CAS#	Qual
1			Benzophenone	182	C13H10O	000119-61-9	96
2			Acetophenone, 2-chloro-	154	C8H7ClO	000532-27-4	49
3			Benzenepropanenitrile, .beta.-oxo-	145	C9H7NO	000614-16-4	47
4			Vinyl benzoate	148	C9H8O2	000769-78-8	47
5			Disulfide, dibenzoyl	274	C14H10O2S2	000644-32-6	47



Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF063025\
Data File : BF142931.D
Acq On : 30 Jun 2025 23:15
Operator : RC/JU
Sample : Q2436-10
Misc :
ALS Vial : 17 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
TP-82

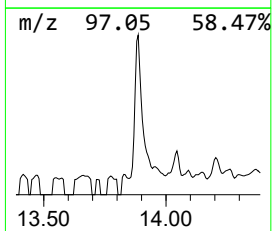
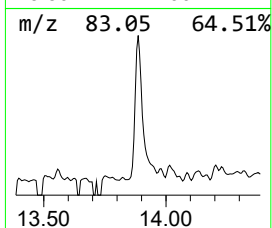
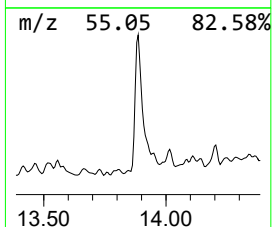
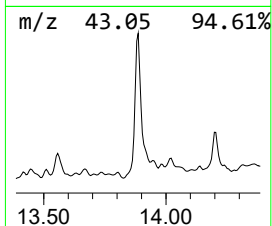
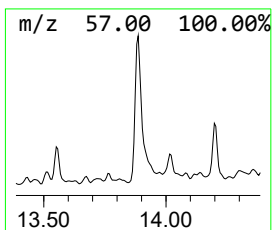
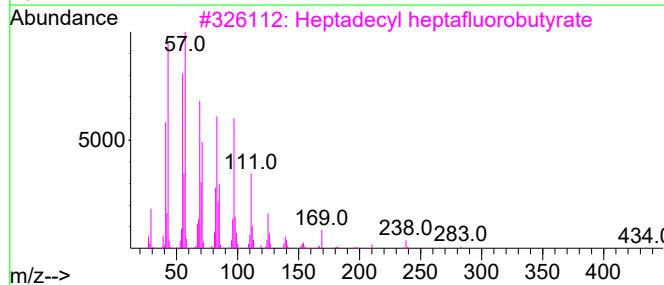
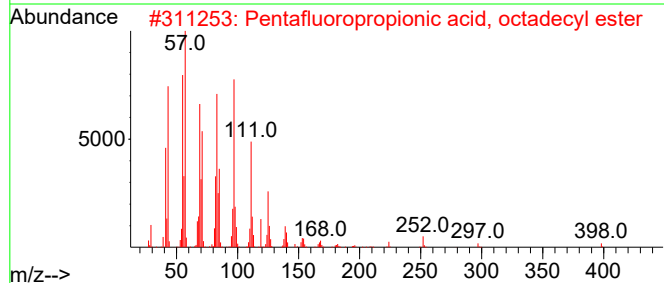
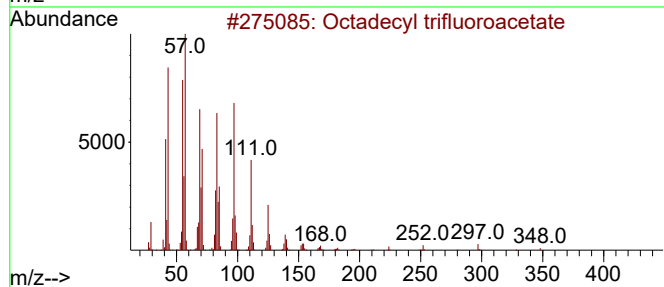
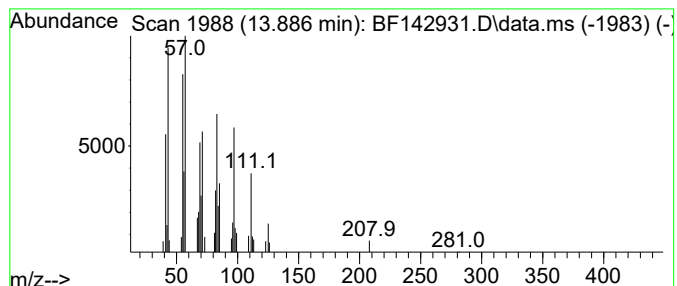
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF061925.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 3 Octadecyl trifluoroacetate Concentration Rank 4

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.886	3.28 ng	51359	Chrysene-d12	14.045

Hit#	of	5	Tentative ID	MW	MolForm	CAS#	Qual
1			Octadecyl trifluoroacetate	366	C20H37F3O2	079392-43-1	91
2			Pentafluoropropionic acid, octadecyl ester	416	C21H37F5O2	959261-25-7	91
3			Heptadecyl heptafluorobutyrate	452	C21H35F7O2	959085-66-6	91
4			Heptafluorobutyric acid, n-octadecyl ester	466	C22H37F7O2	000400-57-7	91
5			Ethanol, 2-(tetradecyloxy)-	258	C16H34O2	002136-70-1	90



Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF063025\
Data File : BF142931.D
Acq On : 30 Jun 2025 23:15
Operator : RC/JU
Sample : Q2436-10
Misc :
ALS Vial : 17 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
TP-82

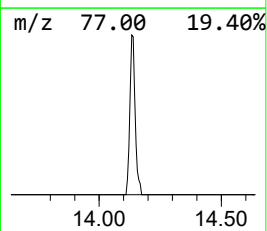
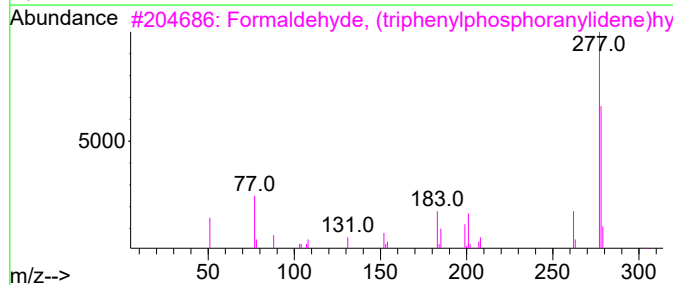
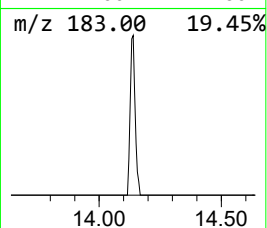
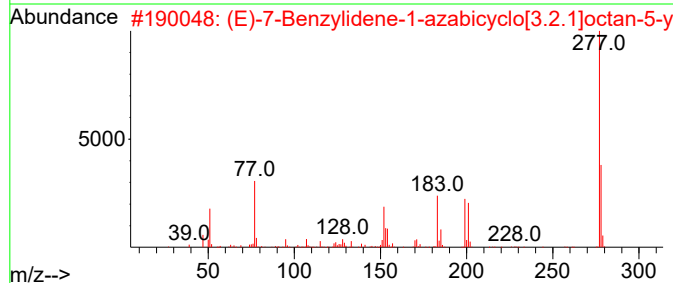
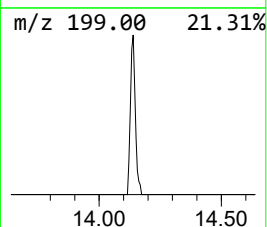
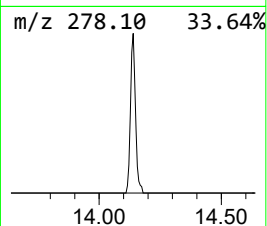
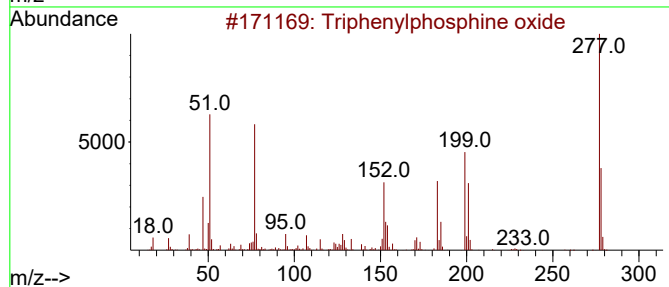
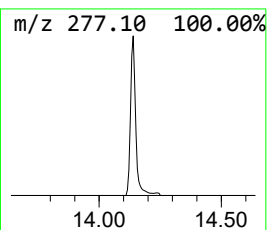
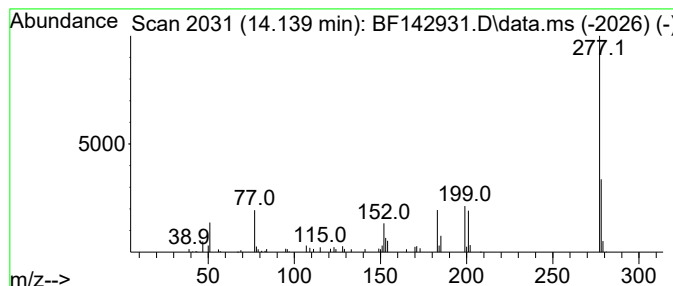
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF061925.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 4 Triphenylphosphine oxide Concentration Rank 2

R.T.	EstConc	Area	Relative to ISTD	R.T.
14.139	3.54 ng	55426	Chrysene-d12	14.045

Hit#	of	5	Tentative ID	MW	MolForm	CAS#	Qual
1			Triphenylphosphine oxide	278	C18H15OP	000791-28-6	91
2			(E)-7-Benzylidene-1-azabicyclo[3...]	293	C15H19N03S	1000483-83-4	68
3			Formaldehyde, (triphenylphosphor...	304	C19H17N2P	015990-54-2	38
4			5-Methyl-8-phenylfuro[3',2':5,6]...	277	C16H11N3O2	1000460-07-9	37
5			Cobalt,(.eta.<5>-2,4-cyclopentad...	277	C16H15BCo	036682-12-9	17



Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF063025\
Data File : BF142931.D
Acq On : 30 Jun 2025 23:15
Operator : RC/JU
Sample : Q2436-10
Misc :
ALS Vial : 17 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
TP-82

Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF061925.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

TIC Top Hit name	RT	EstConc	Units	Response	--Internal Standard--			
					#	RT	Resp	Conc
2-Pentanone, 4-...	5.087	6.0	ng	99102	1	6.875	328285	20.0
Benzophenone	10.621	3.4	ng	72081	3	9.910	429788	20.0
Octadecyl trifl...	13.886	3.3	ng	51359	5	14.045	313040	20.0
Triphenylphosph...	14.139	3.5	ng	55426	5	14.045	313040	20.0



CALIBRATION SUMMARY

6C

SEMIVOLATILE ORGANICS INITIAL CALIBRATION DATA

Lab Name: CHEMTECH Contract: CAMP02
 Lab Code: CHEM Case No.: Q2436 SAS No.: Q2436 SDG No.: Q2436
 Instrument ID: BNA_F Calibration Date(s): 06/19/2025 06/19/2025
 Calibration Time(s): 17:07 20:40

LAB FILE ID:		RRF2.5 = BF142788.D			RRF005 = BF142789.D		RRF010 = BF142790.D	
		RRF020 = BF142791.D			RRF040 = BF142792.D		RRF050 = BF142793.D	
COMPOUND	RRF2.5	RRF005	RRF010	RRF020	RRF040	RRF050	RRF	% RSD
2-Fluorophenol		1.238	1.230	1.230	1.149	1.263	1.201	4.3
Benzaldehyde			0.988	0.943	0.757	0.832	0.841	15.0
Phenol-d6		1.512	1.481	1.423	1.340	1.480	1.417	5.5
Phenol		1.648	1.653	1.591	1.516	1.651	1.575	5.3
bis(2-Chloroethyl) ether		1.167	1.133	1.134	1.072	1.183	1.126	3.7
2-Chlorophenol		1.362	1.303	1.292	1.245	1.366	1.296	4.1
2-Methylphenol		1.015	0.997	0.980	0.938	1.043	0.982	4.1
2,2-oxybis(1-Chloropropane)		1.975	1.869	1.815	1.723	1.879	1.809	6.1
Acetophenone		0.464	0.451	0.459	0.418	0.461	0.441	5.3
3+4-Methylphenols			1.292	1.262	1.176	1.312	1.224	6.4
n-Nitroso-di-n-propylamine	0.831	0.879	0.840	0.833	0.787	0.847	0.824	4.3
Nitrobenzene-d5		0.369	0.362	0.373	0.354	0.386	0.365	3.5
Hexachloroethane		0.533	0.521	0.507	0.499	0.539	0.511	3.9
Nitrobenzene		0.345	0.325	0.332	0.319	0.349	0.330	3.9
Isophorone		0.611	0.582	0.592	0.555	0.616	0.585	4.2
2-Nitrophenol		0.169	0.172	0.182	0.178	0.194	0.180	4.8
2,4-Dimethylphenol		0.322	0.310	0.318	0.300	0.329	0.311	4.0
bis(2-Chloroethoxy) methane		0.386	0.373	0.383	0.355	0.390	0.372	4.1
2,4-Dichlorophenol		0.291	0.280	0.290	0.273	0.298	0.282	3.8
Naphthalene		1.051	1.002	1.004	0.934	1.017	0.979	5.5
4-Chloroaniline		0.414	0.408	0.409	0.379	0.421	0.398	5.3
Hexachlorobutadiene		0.195	0.188	0.198	0.184	0.200	0.190	4.3
Caprolactam			0.073	0.075	0.072	0.081	0.075	5.8
4-Chloro-3-methylphenol		0.300	0.275	0.286	0.269	0.298	0.281	5.2
2-Methylnaphthalene		0.655	0.621	0.629	0.579	0.631	0.607	6.1
Hexachlorocyclopentadiene			0.235	0.308	0.336	0.365	0.335	17.0
2,4,6-Trichlorophenol		0.385	0.380	0.394	0.365	0.408	0.385	3.7
2-Fluorobiphenyl		1.740	1.636	1.592	1.430	1.500	1.522	9.2
2,4,5-Trichlorophenol		0.407	0.403	0.421	0.391	0.416	0.405	3.0
1,1-Biphenyl		1.701	1.616	1.637	1.505	1.609	1.580	5.3
2-Chloronaphthalene		1.300	1.202	1.208	1.129	1.209	1.186	5.5
2-Nitroaniline		0.321	0.329	0.337	0.324	0.358	0.332	3.9
Dimethylphthalate		1.372	1.334	1.330	1.228	1.335	1.295	5.2
Acenaphthylene		2.110	2.006	2.011	1.861	1.995	1.952	5.6

All other compounds must meet a minimum RRF of 0.010.

Form VI SV-1

6C

SEMIVOLATILE ORGANICS INITIAL CALIBRATION DATA

Lab Name: CHEMTECH Contract: CAMP02
 Lab Code: CHEM Case No.: Q2436 SAS No.: Q2436 SDG No.: Q2436
 Instrument ID: BNA_F Calibration Date(s): 06/19/2025 06/19/2025
 Calibration Time(s): 17:07 20:40

LAB FILE ID:		RRF2.5 = BF142788.D			RRF005 = BF142789.D		RRF010 = BF142790.D	
		RRF020 = BF142791.D			RRF040 = BF142792.D		RRF050 = BF142793.D	
COMPOUND	RRF2.5	RRF005	RRF010	RRF020	RRF040	RRF050	RRF	% RSD
2,6-Dinitrotoluene		0.297	0.279	0.290	0.277	0.294	0.284	3.6
3-Nitroaniline		0.311	0.311	0.316	0.302	0.338	0.313	4.5
Acenaphthene		1.247	1.199	1.241	1.142	1.228	1.191	4.4
2,4-Dinitrophenol			0.095	0.129	0.142	0.173	0.142	19.6
4-Nitrophenol			0.189	0.218	0.208	0.238	0.214	8.3
Dibenzofuran		1.844	1.772	1.763	1.626	1.752	1.708	6.1
2,4-Dinitrotoluene		0.373	0.378	0.397	0.367	0.407	0.378	5.9
Diethylphthalate		1.328	1.302	1.319	1.211	1.318	1.269	5.5
4-Chlorophenyl-phenylether		0.713	0.656	0.669	0.599	0.640	0.636	7.6
Fluorene		1.464	1.412	1.395	1.260	1.362	1.334	7.6
4-Nitroaniline		0.279	0.276	0.297	0.272	0.316	0.286	6.5
4,6-Dinitro-2-methylphenol			0.099	0.119	0.119	0.134	0.121	10.0
n-Nitrosodiphenylamine		0.736	0.686	0.710	0.670	0.717	0.693	4.1
2,4,6-Tribromophenol		0.208	0.207	0.214	0.200	0.219	0.206	5.0
4-Bromophenyl-phenylether		0.231	0.221	0.235	0.218	0.236	0.228	3.0
Hexachlorobenzene		0.263	0.248	0.257	0.241	0.262	0.253	3.3
Atrazine		0.176	0.172	0.180	0.174	0.195	0.179	4.5
Pentachlorophenol			0.102	0.119	0.125	0.142	0.126	11.3
Phenanthrene		1.183	1.113	1.115	1.031	1.122	1.083	6.2
Anthracene		1.226	1.123	1.149	1.064	1.140	1.111	6.3
Carbazole		1.040	0.986	0.999	0.900	1.002	0.959	6.7
Di-n-butylphthalate		0.997	1.006	1.045	0.946	1.073	0.999	4.9
Fluoranthene		1.136	1.088	1.090	0.954	1.059	1.028	8.4
Pyrene		2.110	1.940	1.968	1.742	2.030	1.875	11.4
Terphenyl-d14		1.691	1.556	1.533	1.327	1.535	1.447	13.3
Butylbenzylphthalate		0.478	0.470	0.538	0.547	0.613	0.544	10.0
3,3-Dichlorobenzidine			0.398	0.440	0.429	0.476	0.438	5.7
Benzo (a) anthracene		1.392	1.358	1.366	1.265	1.403	1.349	4.0
Chrysene		1.243	1.191	1.208	1.164	1.295	1.204	4.2
Bis (2-ethylhexyl) phthalate		0.650	0.675	0.767	0.803	0.861	0.782	11.5
Di-n-octyl phthalate			1.207	1.352	1.463	1.610	1.475	11.5
Benzo (b) fluoranthene		1.164	1.220	1.226	1.072	1.152	1.157	5.6
Benzo (k) fluoranthene		1.206	1.004	1.035	1.037	1.193	1.083	7.5
Benzo (a) pyrene		1.142	1.065	1.124	1.069	1.201	1.118	4.4
Indeno (1,2,3-cd) pyrene		1.528	1.488	1.545	1.474	1.648	1.523	4.4

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: CAMP02
 Lab Code: CHEM Case No.: Q2436 SAS No.: Q2436 SDG No.: Q2436
 Instrument ID: BNA_F Calibration Date(s): 06/19/2025 06/19/2025
 Calibration Time(s): 17:07 20:40

LAB FILE ID:		RRF2.5 = BF142788.D			RRF005 = BF142789.D		RRF010 = BF142790.D	
		RRF020 = BF142791.D			RRF040 = BF142792.D		RRF050 = BF142793.D	
COMPOUND	RRF2.5	RRF005	RRF010	RRF020	RRF040	RRF050	RRF	% RSD
Dibenzo (a,h) anthracene		1.249	1.214	1.293	1.180	1.337	1.238	5.1
Benzo (g,h,i) perylene		1.239	1.198	1.266	1.188	1.332	1.234	4.7
1,2,4,5-Tetrachlorobenzene		0.626	0.609	0.602	0.557	0.598	0.590	4.3
1,4-Dioxane		0.479	0.499	0.471	0.461	0.509	0.480	3.6
2,3,4,6-Tetrachlorophenol		0.327	0.327	0.339	0.312	0.345	0.326	4.4

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-BF061925.M
 Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 Last Update : Fri Jun 20 05:06:14 2025
 Response Via : Initial Calibration

Calibration Files

2.5 =BF142788.D 5 =BF142789.D 10 =BF142790.D 20 =BF142791.D 40 =BF142792.D 50 =BF142793.D 60 =BF142794.D 80 =BF142795.D

	Compound	2.5	5	10	20	40	50	60	80	Avg	%RSD
1) I	1,4-Dichlorobenzen...	-----ISTD-----									
2)	1,4-Dioxane	0.479	0.499	0.471	0.461	0.509	0.479	0.467	0.480		3.60
3)	Pyridine	1.190	1.195	1.190	1.164	1.303	1.209	1.181	1.205		3.78
4)	n-Nitrosodimet...		0.610	0.617	0.596	0.668	0.632	0.614	0.623		3.98
5) S	2-Fluorophenol	2.475	2.460	2.460	2.299	2.525	2.342	2.256	2.403		4.26
6)	Aniline	1.951	1.944	1.891	1.818	1.982	1.869	1.746	1.886		4.41
7) S	Phenol-d6	3.024	2.962	2.846	2.681	2.959	2.760	2.610	2.834		5.53
8)	2-Chlorophenol	1.362	1.303	1.292	1.245	1.366	1.272	1.231	1.296		4.08
9)	Benzaldehyde		0.988	0.943	0.757	0.832	0.684		0.841		15.02
10) C	Phenol	1.648	1.653	1.591	1.516	1.651	1.530	1.437	1.575		5.31
11)	bis(2-Chloroet...	1.167	1.133	1.134	1.072	1.183	1.116	1.077	1.126		3.71
12)	1,3-Dichlorobe...	1.536	1.499	1.470	1.377	1.500	1.414	1.348	1.449		4.85
13) C	1,4-Dichlorobe...	1.563	1.496	1.472	1.409	1.523	1.425	1.347	1.462		5.04
14)	1,2-Dichlorobe...	1.458	1.422	1.409	1.331	1.451	1.353	1.284	1.387		4.72
15)	Benzyl Alcohol		1.023	1.025	0.976	1.106	1.032	0.985	1.025		4.51
16)	2,2'-oxybis(1-...	1.975	1.869	1.815	1.723	1.879	1.758	1.644	1.809		6.12
17)	2-Methylphenol	1.015	0.997	0.980	0.938	1.043	0.972	0.929	0.982		4.13
18)	Hexachloroethane	0.533	0.521	0.507	0.499	0.539	0.498	0.484	0.511		3.89
19) P	n-Nitroso-di-n...	0.831	0.879	0.840	0.833	0.787	0.847	0.812	0.766	0.824	4.30
20)	3+4-Methylphenols		1.292	1.262	1.176	1.312	1.197	1.108	1.224		6.36
21) I	Naphthalene-d8	-----ISTD-----									
22)	Acetophenone	0.464	0.451	0.459	0.418	0.461	0.428	0.406	0.441		5.28
23) S	Nitrobenzene-d5	0.738	0.724	0.747	0.708	0.771	0.724	0.694	0.729		3.48
24)	Nitrobenzene	0.345	0.325	0.332	0.319	0.349	0.326	0.314	0.330		3.88
25)	Isophorone	0.611	0.582	0.592	0.555	0.616	0.584	0.554	0.585		4.17
26) C	2-Nitrophenol	0.169	0.172	0.182	0.178	0.194	0.186	0.176	0.180		4.85
27)	2,4-Dimethylph...	0.322	0.310	0.318	0.300	0.329	0.307	0.294	0.311		3.99
28)	bis(2-Chloroet...	0.386	0.373	0.383	0.355	0.390	0.366	0.351	0.372		4.09
29) C	2,4-Dichloroph...	0.291	0.280	0.290	0.273	0.298	0.277	0.268	0.282		3.77
30)	1,2,4-Trichlor...	0.324	0.316	0.318	0.299	0.324	0.301	0.292	0.310		4.26
31)	Naphthalene	1.051	1.002	1.004	0.934	1.017	0.943	0.902	0.979		5.46
32)	Benzoic acid		0.118	0.147	0.157	0.181	0.180	0.169	0.159		15.08
33)	4-Chloroaniline	0.414	0.408	0.409	0.379	0.421	0.393	0.363	0.398		5.26
34) C	Hexachlorobuta...	0.195	0.188	0.198	0.184	0.200	0.184	0.179	0.190		4.30
35)	Caprolactam		0.073	0.075	0.072	0.081	0.078	0.069	0.075		5.84
36) C	4-Chloro-3-met...	0.300	0.275	0.286	0.269	0.298	0.278	0.260	0.281		5.24
37)	2-Methylnaphth...	0.655	0.621	0.629	0.579	0.631	0.583	0.550	0.607		6.12
38)	1-Methylnaphth...	0.684	0.645	0.650	0.598	0.654	0.604	0.563	0.628		6.56

Method Path : Z:\svoasrv\HPCHEM1\BNA_F\Methods\
 Method File : 8270-BF061925.M

39) I	Acenaphthene-d10	-----ISTD-----									
40)	1,2,4,5-Tetrac...	0.626	0.609	0.602	0.557	0.598	0.577	0.563	0.590	4.27	
41) P	Hexachlorocycl...	0.235	0.308	0.336	0.365	0.376	0.389	0.335		17.02	
42) S	2,4,6-Tribromo...	0.415	0.414	0.428	0.400	0.438	0.411	0.374	0.412	4.96	
43) C	2,4,6-Trichlor...	0.385	0.380	0.394	0.365	0.408	0.389	0.371	0.385	3.71	
44)	2,4,5-Trichlor...	0.407	0.403	0.421	0.391	0.416	0.407	0.388	0.405	2.95	
45) S	2-Fluorobiphenyl	3.480	3.272	3.184	2.861	2.999	2.816	2.702	3.045	9.15	
46)	1,1'-Biphenyl	1.701	1.616	1.637	1.505	1.609	1.525	1.466	1.580	5.27	
47)	2-Chloronaphth...	1.300	1.202	1.208	1.129	1.209	1.145	1.106	1.186	5.50	
48)	2-Nitroaniline	0.321	0.329	0.337	0.324	0.358	0.337	0.320	0.332	3.93	
49)	Acenaphthylene	2.110	2.006	2.011	1.861	1.995	1.891	1.787	1.952	5.64	
50)	Dimethylphthalate	1.372	1.334	1.330	1.228	1.335	1.277	1.186	1.295	5.17	
51)	2,6-Dinitrotol...	0.297	0.279	0.290	0.277	0.294	0.284	0.268	0.284	3.57	
52) C	Acenaphthene	1.247	1.199	1.241	1.142	1.228	1.172	1.107	1.191	4.44	
53)	3-Nitroaniline	0.311	0.311	0.316	0.302	0.338	0.320	0.292	0.313	4.52	
54) P	2,4-Dinitrophenol	0.095	0.129	0.142	0.173	0.163	0.152	0.142		19.61	
55)	Dibenzofuran	1.844	1.772	1.763	1.626	1.752	1.660	1.537	1.708	6.13	
56) P	4-Nitrophenol	0.189	0.218	0.208	0.238	0.229	0.203	0.214		8.25	
57)	2,4-Dinitrotol...	0.373	0.378	0.397	0.367	0.407	0.383	0.338	0.378	5.90	
58)	Fluorene	1.464	1.412	1.395	1.260	1.362	1.260	1.183	1.334	7.58	
59)	2,3,4,6-Tetrac...	0.327	0.327	0.339	0.312	0.345	0.331	0.304	0.326	4.43	
60)	Diethylphthalate	1.328	1.302	1.319	1.211	1.318	1.266	1.141	1.269	5.50	
61)	4-Chlorophenyl...	0.713	0.656	0.669	0.599	0.640	0.609	0.568	0.636	7.64	
62)	4-Nitroaniline	0.279	0.276	0.297	0.272	0.316	0.300	0.264	0.286	6.48	
63)	Azobenzene	1.215	1.149	1.167	1.081	1.176	1.122	1.032	1.134	5.47	
64) I	Phenanthrene-d10	-----ISTD-----									
65)	4,6-Dinitro-2-...	0.099	0.119	0.119	0.134	0.130	0.125	0.121		10.04	
66) c	n-Nitrosodiphe...	0.736	0.686	0.710	0.670	0.717	0.671	0.662	0.693	4.07	
67)	4-Bromophenyl-...	0.231	0.221	0.235	0.218	0.236	0.228	0.225	0.228	3.03	
68)	Hexachlorobenzene	0.263	0.248	0.257	0.241	0.262	0.252	0.247	0.253	3.29	
69)	Atrazine	0.176	0.172	0.180	0.174	0.195	0.183	0.174	0.179	4.48	
70) C	Pentachlorophenol	0.102	0.119	0.125	0.142	0.135	0.133	0.126		11.30	
71)	Phenanthrene	1.183	1.113	1.115	1.031	1.122	1.028	0.992	1.083	6.24	
72)	Anthracene	1.226	1.123	1.149	1.064	1.140	1.065	1.011	1.111	6.35	
73)	Carbazole	1.040	0.986	0.999	0.900	1.002	0.920	0.866	0.959	6.67	
74)	Di-n-butylphth...	0.997	1.006	1.045	0.946	1.073	0.989	0.936	0.999	4.92	
75) C	Fluoranthene	1.136	1.088	1.090	0.954	1.059	0.972	0.899	1.028	8.44	
76) I	Chrysene-d12	-----ISTD-----									
77)	Benzidine	0.745	0.860	0.773	0.824	0.719	0.587	0.751		12.71	
78)	Pyrene	2.110	1.940	1.968	1.742	2.030	1.863	1.468	1.875	11.43	
79) S	Terphenyl-d14	3.383	3.111	3.066	2.655	3.070	2.772	2.208	2.895	13.30	
80)	Butylbenzylphth...	0.478	0.470	0.538	0.547	0.613	0.597	0.563	0.544	10.01	
81)	Benzo(a)anthra...	1.392	1.358	1.366	1.265	1.403	1.376	1.284	1.349	3.98	
82)	3,3'-Dichlorob...	0.398	0.440	0.429	0.476	0.445	0.438	0.438		5.73	
83)	Chrysene	1.243	1.191	1.208	1.164	1.295	1.177	1.150	1.204	4.17	
84)	Bis(2-ethylhex...	0.650	0.675	0.767	0.803	0.861	0.843	0.878	0.782	11.52	
85) c	Di-n-octyl pht...	1.207	1.352	1.463	1.610	1.569	1.651	1.475		11.54	

Method Path : Z:\svoasrv\HPCHEM1\BNA_F\Methods\
Method File : 8270-BF061925.M

86) I	Perylene-d12	-----ISTD-----								
87)	Indeno(1,2,3-c...	1.528	1.488	1.545	1.474	1.648	1.539	1.442	1.523	4.38
88)	Benzo(b)fluora...	1.164	1.220	1.226	1.072	1.152	1.197	1.070	1.157	5.61
89)	Benzo(k)fluora...	1.206	1.004	1.035	1.037	1.193	1.038	1.068	1.083	7.55
90) C	Benzo(a)pyrene	1.142	1.065	1.124	1.069	1.201	1.141	1.084	1.118	4.37
91)	Dibenzo(a,h)an...	1.249	1.214	1.293	1.180	1.337	1.240	1.152	1.238	5.13
92)	Benzo(g,h,i)pe...	1.239	1.198	1.266	1.188	1.332	1.255	1.161	1.234	4.66

(#) = Out of Range

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF061925\
Data File : BF142788.D
Acq On : 19 Jun 2025 17:07
Operator : RC/JU
Sample : SSTDICC2.5
Misc :
ALS Vial : 2 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
SSTDICC2.5

Quant Time: Jun 20 04:37:10 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF061925.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Fri Jun 20 04:36:38 2025
Response via : Initial Calibration

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

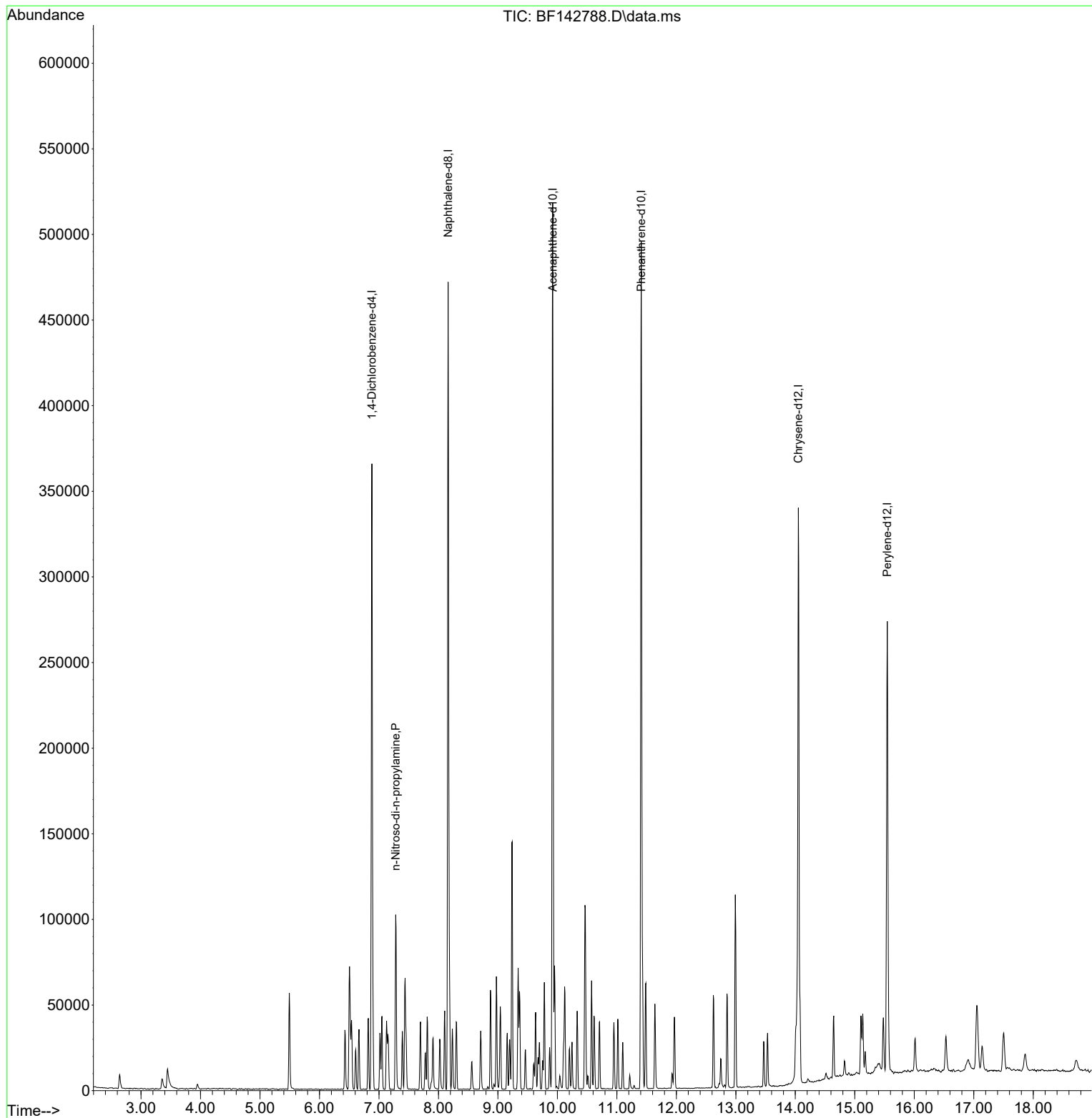
Internal Standards						
1) 1,4-Dichlorobenzene-d4	6.881	152	77977	20.000	ng	0.00
21) Naphthalene-d8	8.163	136	295295	20.000	ng	0.00
39) Acenaphthene-d10	9.922	164	153580	20.000	ng	0.00
64) Phenanthrene-d10	11.410	188	258429	20.000	ng	0.00
76) Chrysene-d12	14.051	240	149767	20.000	ng	0.00
86) Perylene-d12	15.545	264	154736	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...	7.281	70	8100	2.392	ng	97

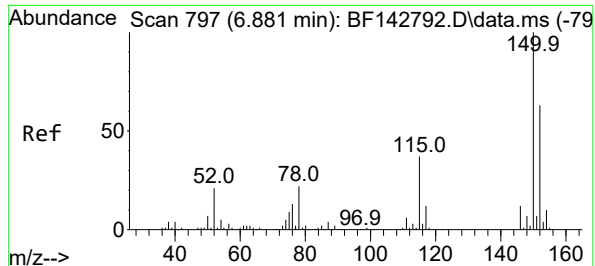
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF061925\
Data File : BF142788.D
Acq On : 19 Jun 2025 17:07
Operator : RC/JU
Sample : SSTDICC2.5
Misc :
ALS Vial : 2 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
SSTDICC2.5

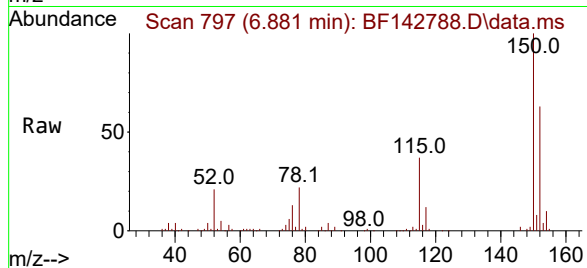
Quant Time: Jun 20 04:37:10 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF061925.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Fri Jun 20 04:36:38 2025
Response via : Initial Calibration



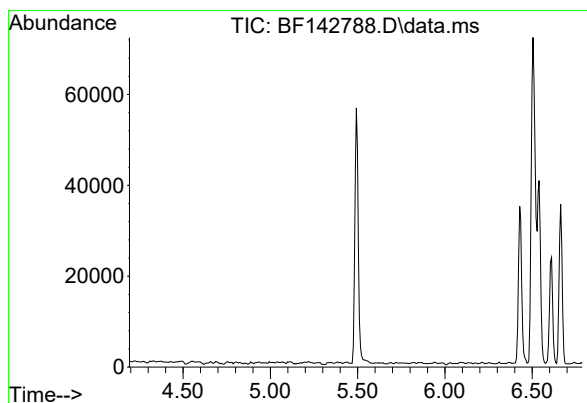
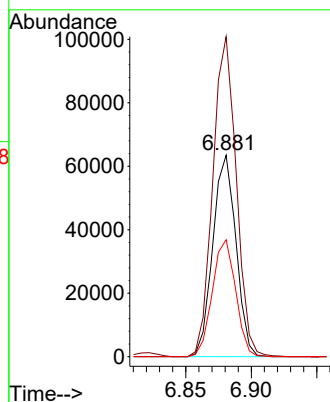
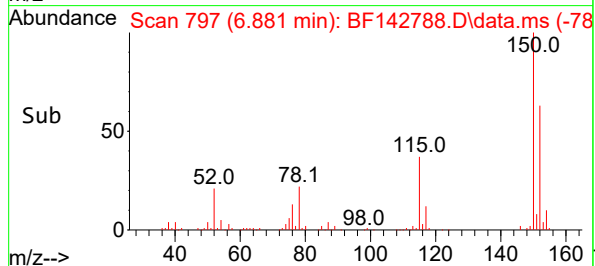


#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.881 min Scan# 79
Delta R.T. -0.000 min
Lab File: BF142788.D
Acq: 19 Jun 2025 17:07

Instrument :
BNA_F
ClientSampleId :
SSTDICC2.5



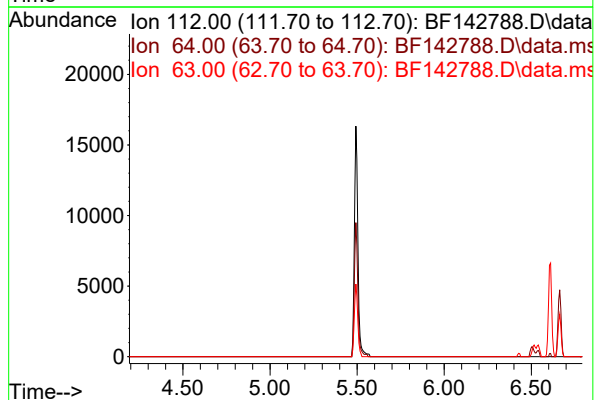
Tgt Ion:152 Resp: 77977
Ion Ratio Lower Upper
152 100
150 158.8 127.2 190.8
115 58.1 46.6 69.8

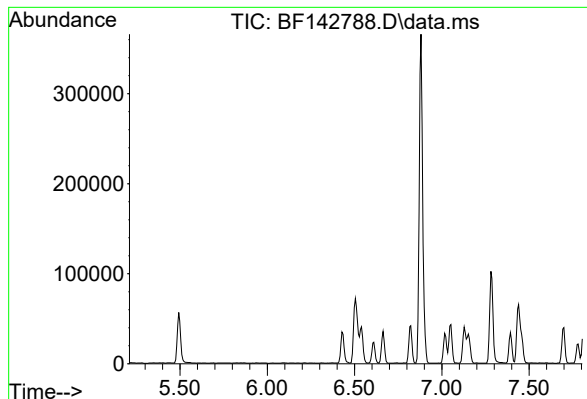


#5
2-Fluorophenol
Concen: 0.000 ng
Expected RT: 5.49 min

Lab File: BF142788.D
Acq: 19 Jun 2025 17:07

Tgt Ion: 112
Sig Exp Ratio
112 100
64 60.2
63 32.1

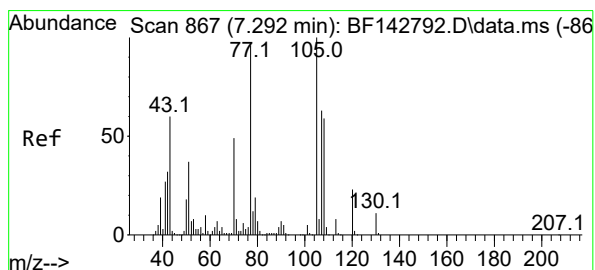
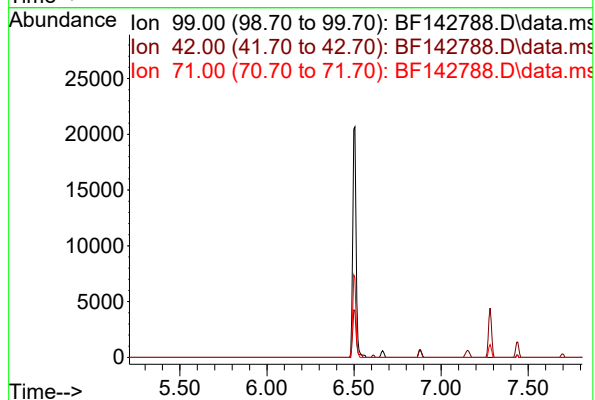




#7
Phenol-d6
Concen: 0.000 ng
Expected RT: 6.51 min
Lab File: BF142788.D
Acq: 19 Jun 2025 17:07

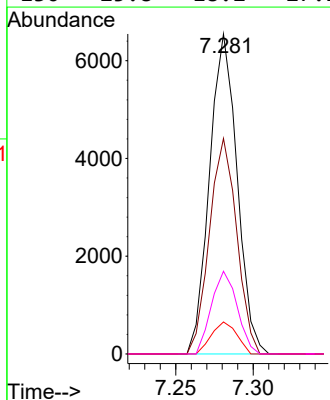
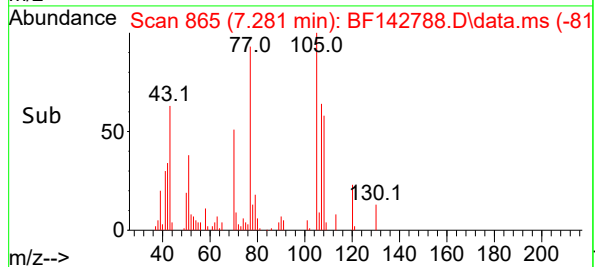
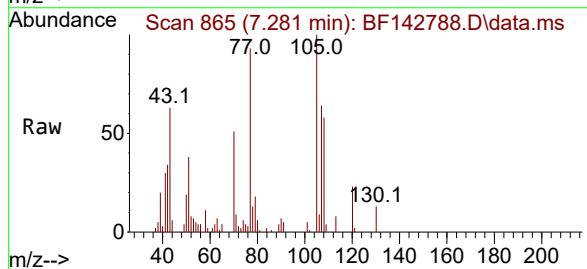
Instrument :
BNA_F
ClientSampleId :
SSTDICC2.5

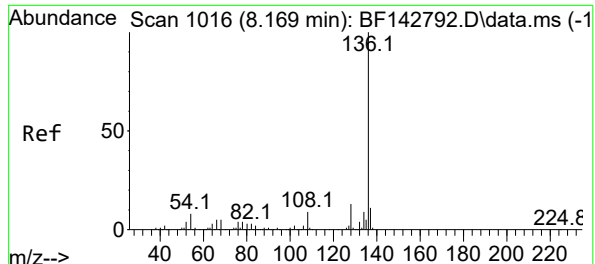
Tgt Ion: 99
Sig Exp Ratio
99 100
42 19.9
71 34.8



#19
n-Nitroso-di-n-propylamine
Concen: 2.392 ng
RT: 7.281 min Scan# 865
Delta R.T. -0.012 min
Lab File: BF142788.D
Acq: 19 Jun 2025 17:07

Tgt Ion: 70 Resp: 8100
Ion Ratio Lower Upper
70 100
42 67.3 52.1 78.1
101 10.0 8.2 12.2
130 25.8 18.2 27.2





#21

Naphthalene-d8

Concen: 20.000 ng

RT: 8.163 min Scan# 1

Delta R.T. -0.006 min

Lab File: BF142788.D

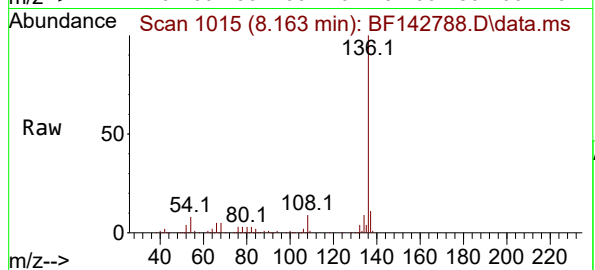
Acq: 19 Jun 2025 17:07

Instrument :

BNA_F

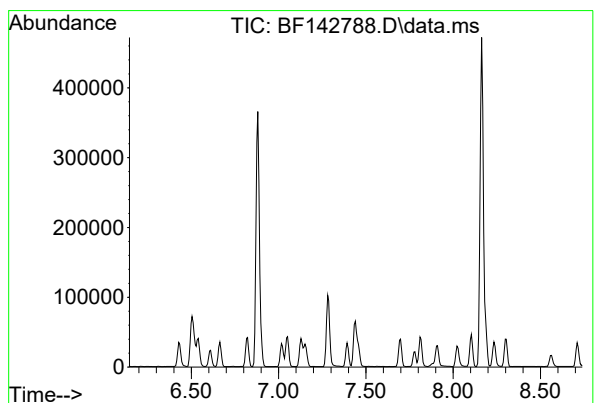
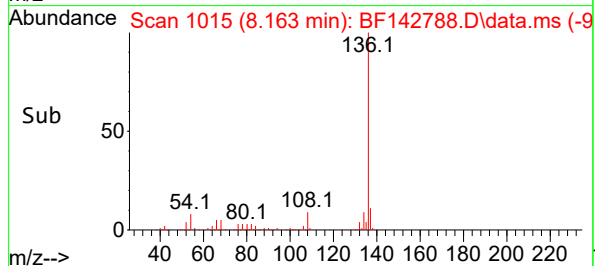
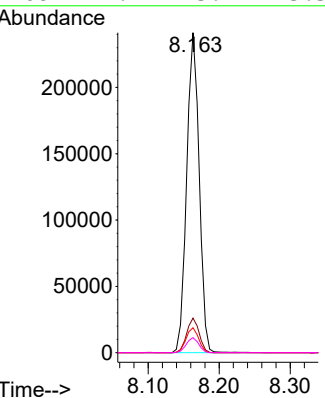
ClientSampleId :

SSTDICC2.5



Tgt Ion:136 Resp: 295295

Ion	Ratio	Lower	Upper
136	100		
137	10.8	8.4	12.6
54	7.8	6.3	9.5
68	4.7	3.7	5.5



#23

Nitrobenzene-d5

Concen: 0.000 ng

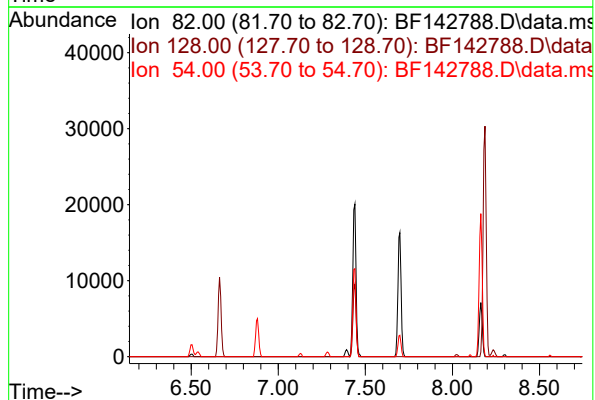
Expected RT: 7.45 min

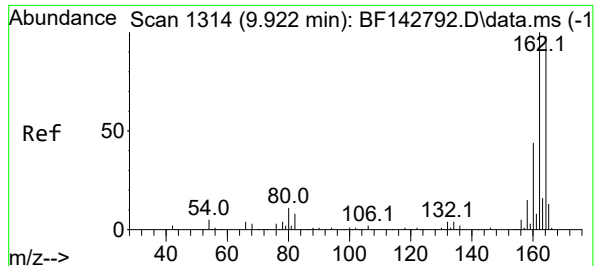
Lab File: BF142788.D

Acq: 19 Jun 2025 17:07

Tgt Ion: 82

Sig	Exp Ratio
82	100
128	47.1
54	57.1





#39

Acenaphthene-d10

Concen: 20.000 ng

RT: 9.922 min Scan# 1

Delta R.T. 0.000 min

Lab File: BF142788.D

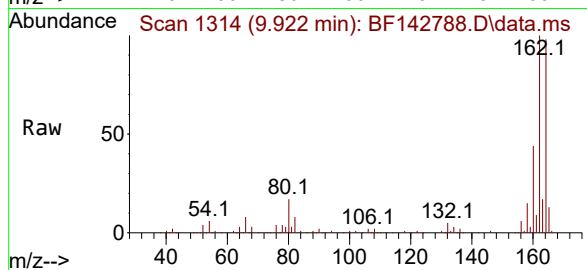
Acq: 19 Jun 2025 17:07

Instrument :

BNA_F

ClientSampleId :

SSTDICC2.5



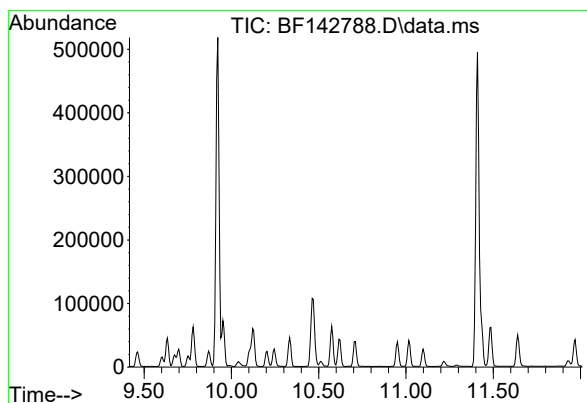
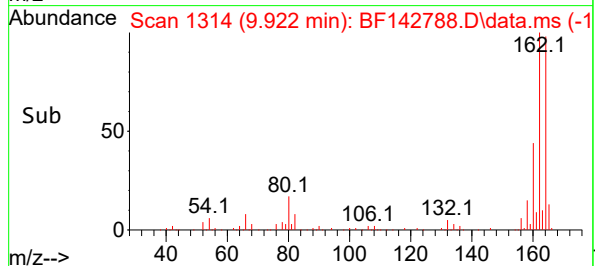
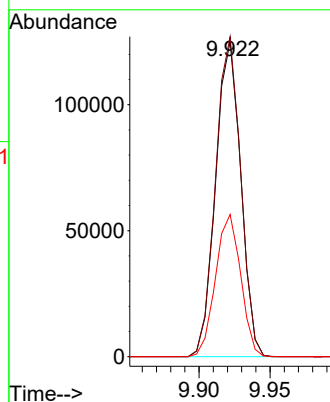
Tgt Ion:164 Resp: 153580

Ion Ratio Lower Upper

164 100

162 101.6 81.8 122.8

160 45.1 36.0 54.0



#42

2,4,6-Tribromophenol

Concen: 0.000 ng

Expected RT: 10.72 min

Lab File: BF142788.D

Acq: 19 Jun 2025 17:07

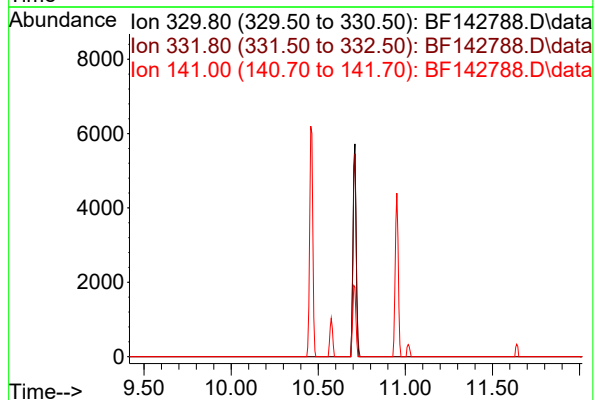
Tgt Ion: 330

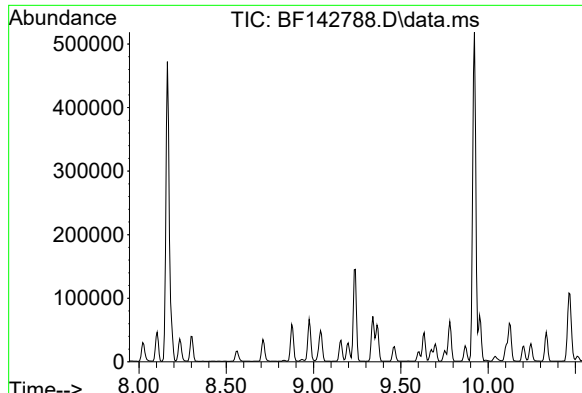
Sig Exp Ratio

330 100

332 93.8

141 31.6





#45

2-Fluorobiphenyl

Concen: 0.000 ng

Expected RT: 9.25 min

Lab File: BF142788.D

Acq: 19 Jun 2025 17:07

Instrument :

BNA_F

ClientSampleId :

SSTDICC2.5

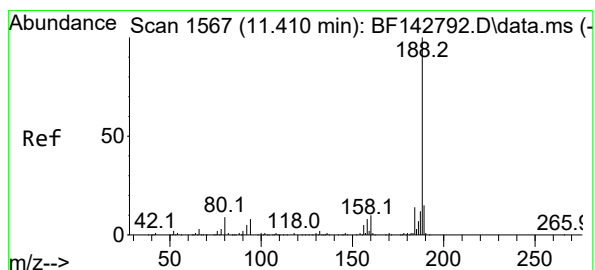
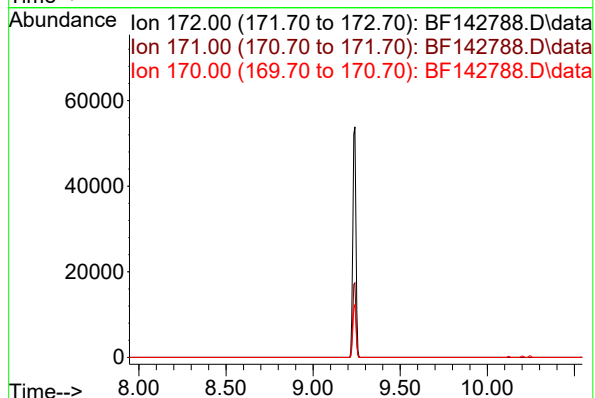
Tgt Ion: 172

Sig Exp Ratio

172 100

171 35.3

170 23.1



#64

Phenanthrene-d10

Concen: 20.000 ng

RT: 11.410 min Scan# 1567

Delta R.T. 0.000 min

Lab File: BF142788.D

Acq: 19 Jun 2025 17:07

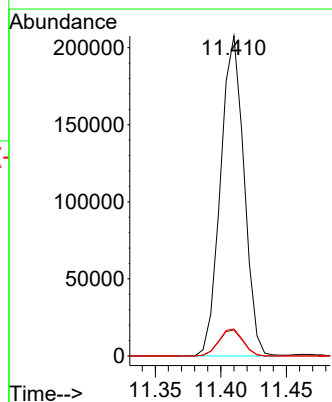
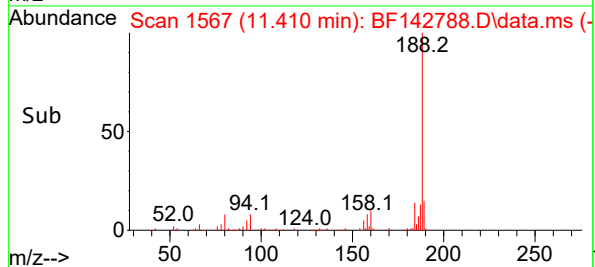
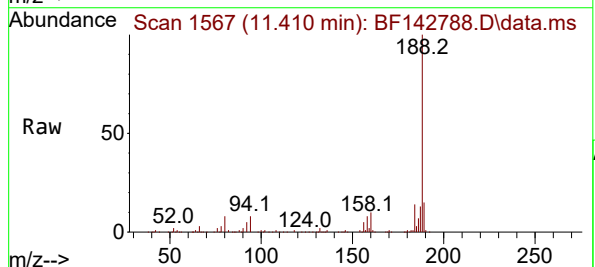
Tgt Ion: 188 Resp: 258429

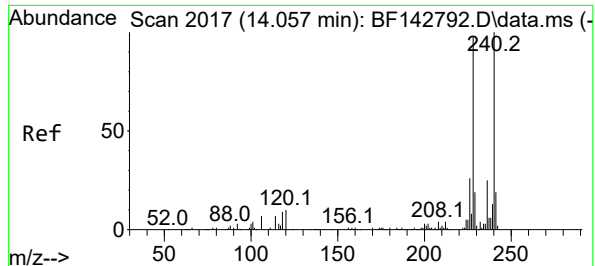
Ion Ratio Lower Upper

188 100

94 8.1 6.7 10.1

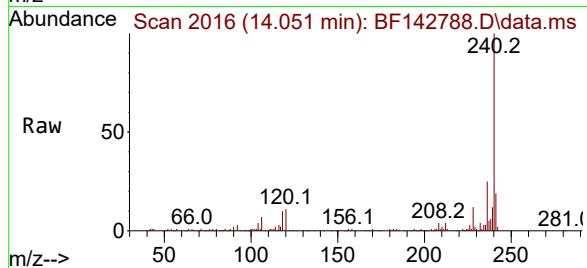
80 8.5 6.9 10.3



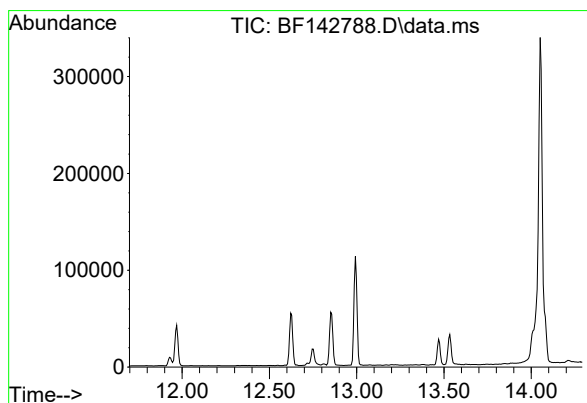
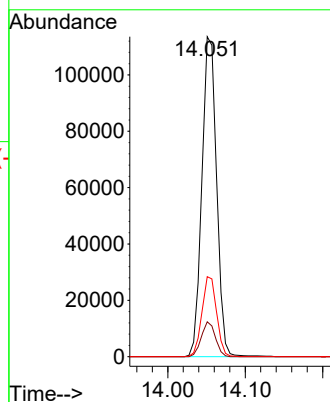
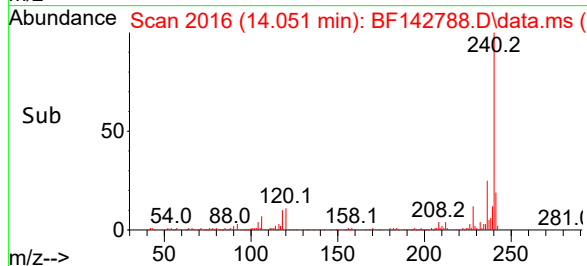


#76
Chrysene-d12
Concen: 20.000 ng
RT: 14.051 min Scan# 20
Delta R.T. -0.006 min
Lab File: BF142788.D
Acq: 19 Jun 2025 17:07

Instrument :
BNA_F
ClientSampleId :
SSTDICC2.5



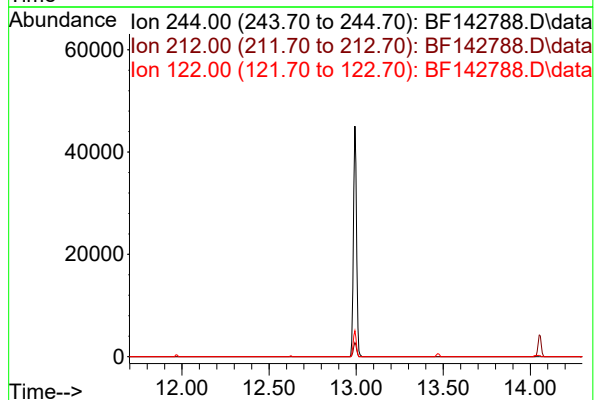
Tgt Ion:240 Resp: 149767
Ion Ratio Lower Upper
240 100
120 10.9 8.2 12.2
236 25.0 19.8 29.8

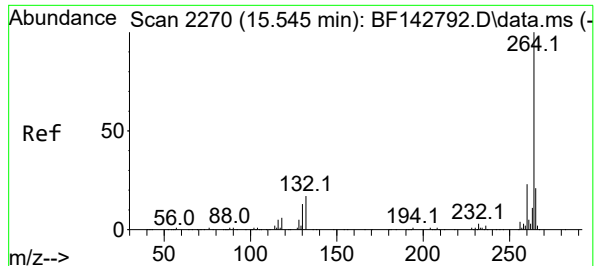


#79
Terphenyl-d14
Concen: 0.000 ng
Expected RT: 13.00 min

Lab File: BF142788.D
Acq: 19 Jun 2025 17:07

Tgt Ion: 244
Sig Exp Ratio
244 100
212 6.7
122 10.2





#86

Perylene-d12

Concen: 20.000 ng

RT: 15.545 min Scan# 21

Delta R.T. 0.000 min

Lab File: BF142788.D

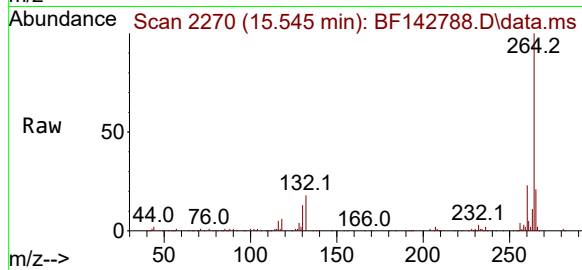
Acq: 19 Jun 2025 17:07

Instrument :

BNA_F

ClientSampleId :

SSTDICC2.5



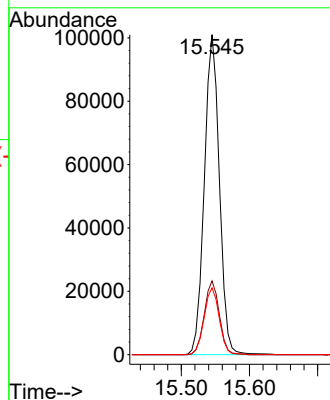
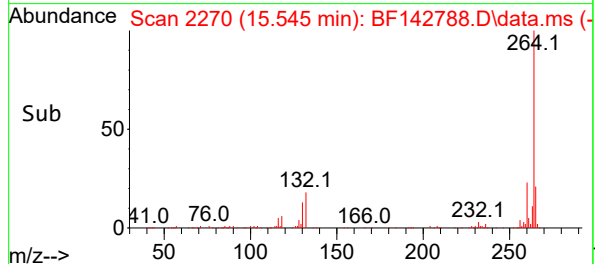
Tgt Ion:264 Resp: 154736

Ion Ratio Lower Upper

264 100

260 23.1 18.1 27.1

265 20.9 16.6 25.0



Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF061925\
 Data File : BF142789.D
 Acq On : 19 Jun 2025 17:38
 Operator : RC/JU
 Sample : SSTDICC005
 Misc :
 ALS Vial : 3 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 SSTDICC005

Quant Time: Jun 20 04:37:53 2025
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF061925.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Fri Jun 20 04:36:38 2025
 Response via : Initial Calibration

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

Internal Standards						
1) 1,4-Dichlorobenzene-d4	6.881	152	80144	20.000	ng	0.00
21) Naphthalene-d8	8.163	136	305306	20.000	ng	0.00
39) Acenaphthene-d10	9.922	164	162729	20.000	ng	0.00
64) Phenanthrene-d10	11.410	188	277233	20.000	ng	0.00
76) Chrysene-d12	14.051	240	151689	20.000	ng	0.00
86) Perylene-d12	15.545	264	132284	20.000	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.493	112	49599	10.555	ng	0.00
7) Phenol-d6	6.498	99	60590	10.981	ng	-0.01
23) Nitrobenzene-d5	7.439	82	56291	10.106	ng	0.00
42) 2,4,6-Tribromophenol	10.710	330	16892	9.551	ng	0.00
45) 2-Fluorobiphenyl	9.239	172	141565	11.573	ng	0.00
79) Terphenyl-d14	12.992	244	128289	11.771	ng	0.00
Target Compounds						Qvalue
2) 1,4-Dioxane	2.652	88	9589	5.139	ng	95
3) Pyridine	3.434	79	23835	5.102	ng	98
6) Aniline	6.540	93	39088	5.286	ng	97
8) 2-Chlorophenol	6.663	128	27282	5.332	ng	96
10) Phenol	6.516	94	33027	5.369	ng	94
11) bis(2-Chloroethyl)ether	6.610	93	23378	5.122	ng	99
12) 1,3-Dichlorobenzene	6.822	146	30770	5.281	ng	99
13) 1,4-Dichlorobenzene	6.898	146	31311	5.302	ng	99
14) 1,2-Dichlorobenzene	7.051	146	29215	5.175	ng	99
16) 2,2'-oxybis(1-Chloropr...	7.151	45	39577	5.503	ng	99
17) 2-Methylphenol	7.128	107	20336	5.199	ng	99
18) Hexachloroethane	7.392	117	10670	5.054	ng	98
19) n-Nitroso-di-n-propyla...	7.281	70	17612	5.061	ng	98
22) Acetophenone	7.281	105	35396	5.240	ng	95
24) Nitrobenzene	7.457	77	26353	5.324	ng	98
25) Isophorone	7.698	82	46673	4.997	ng	99
26) 2-Nitrophenol	7.781	139	12914	4.682	ng	99
27) 2,4-Dimethylphenol	7.810	122	24614	5.242	ng	99
28) bis(2-Chloroethoxy)met...	7.910	93	29467	5.068	ng	99
29) 2,4-Dichlorophenol	8.022	162	22222	5.134	ng	99
30) 1,2,4-Trichlorobenzene	8.104	180	24724	5.171	ng	98
31) Naphthalene	8.187	128	80247	5.344	ng	99
33) 4-Chloroaniline	8.234	127	31626	5.256	ng	98
34) Hexachlorobutadiene	8.304	225	14900	4.918	ng	97
36) 4-Chloro-3-methylphenol	8.710	107	22861	5.113	ng	98
37) 2-Methylnaphthalene	8.875	142	50024	5.281	ng	99
38) 1-Methylnaphthalene	8.975	142	52193	5.307	ng	100
40) 1,2,4,5-Tetrachloroben...	9.045	216	25456	5.419	ng	98
43) 2,4,6-Trichlorophenol	9.157	196	15667	5.154	ng	100
44) 2,4,5-Trichlorophenol	9.192	196	16563	5.045	ng	97
46) 1,1'-Biphenyl	9.339	154	69218	5.478	ng	99
47) 2-Chloronaphthalene	9.363	162	52868	5.670	ng	98
48) 2-Nitroaniline	9.457	65	13076	4.937	ng	96
49) Acenaphthylene	9.781	152	85856	5.477	ng	99
50) Dimethylphthalate	9.633	163	55804	5.170	ng	99
51) 2,6-Dinitrotoluene	9.698	165	12080	5.163	ng	98

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF061925\
 Data File : BF142789.D
 Acq On : 19 Jun 2025 17:38
 Operator : RC/JU
 Sample : SSTDICC005
 Misc :
 ALS Vial : 3 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 SSTDICC005

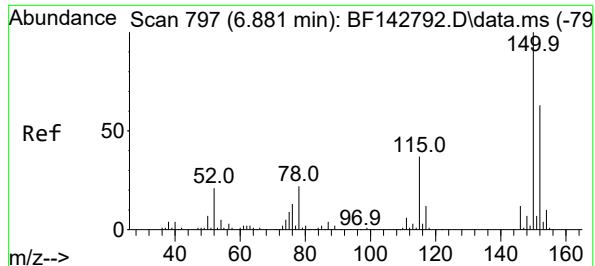
Quant Time: Jun 20 04:37:53 2025
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF061925.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Fri Jun 20 04:36:38 2025
 Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
52) Acenaphthene	9.951	154	50726	5.230	ng	97
53) 3-Nitroaniline	9.869	138	12667	4.984	ng	99
55) Dibenzofuran	10.122	168	74998	5.420	ng	99
57) 2,4-Dinitrotoluene	10.104	165	15173	4.904	ng	96
58) Fluorene	10.469	166	59558	5.453	ng	100
59) 2,3,4,6-Tetrachlorophenol	10.245	232	13285	4.827	ng	# 97
60) Diethylphthalate	10.333	149	54038	5.040	ng	99
61) 4-Chlorophenyl-phenyle...	10.457	204	29011	5.469	ng	98
62) 4-Nitroaniline	10.475	138	11342	4.971	ng	97
63) Azobenzene	10.616	77	49436	5.276	ng	99
66) n-Nitrosodiphenylamine	10.575	169	51021	5.356	ng	99
67) 4-Bromophenyl-phenylether	10.951	248	15996	4.927	ng	99
68) Hexachlorobenzene	11.016	284	18237	5.059	ng	97
69) Atrazine	11.098	200	12221	4.832	ng	98
71) Phenanthrene	11.433	178	81962	5.522	ng	99
72) Anthracene	11.486	178	84944	5.529	ng	99
73) Carbazole	11.639	167	72067	5.601	ng	100
74) Di-n-butylphthalate	11.969	149	69083	4.850	ng	99
75) Fluoranthene	12.622	202	78721	5.582	ng	99
78) Pyrene	12.851	202	80026	5.739	ng	100
80) Butylbenzylphthalate	13.469	149	18113	4.383	ng	96
81) Benzo(a)anthracene	14.045	228	52785	5.300	ng	100
83) Chrysene	14.080	228	47142	5.084	ng	98
84) Bis(2-ethylhexyl)phtha...	14.027	149	24641	4.002	ng	97
87) Indeno(1,2,3-cd)pyrene	17.045	276	50546	5.168	ng	99
88) Benzo(b)fluoranthene	15.104	252	38493	4.996	ng	99
89) Benzo(k)fluoranthene	15.133	252	39874	5.302	ng	97
90) Benzo(a)pyrene	15.480	252	37779	5.124	ng	99
91) Dibenzo(a,h)anthracene	17.062	278	41301	5.194	ng	100
92) Benzo(g,h,i)perylene	17.504	276	40975	5.165	ng	99

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

Instrument :
BNA_F
ClientSampleId :
SSTDICC005

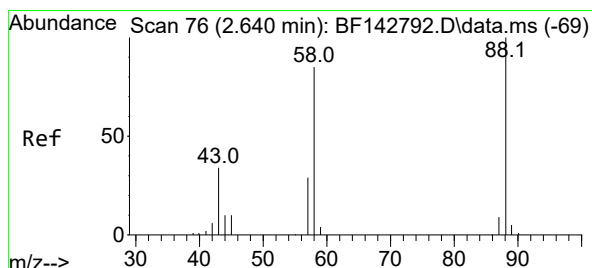
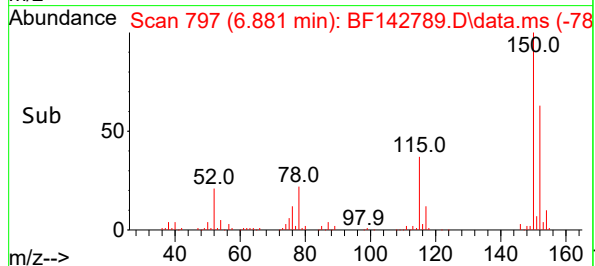
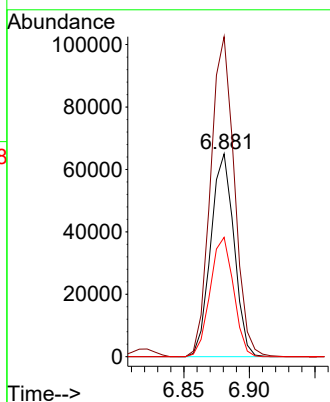
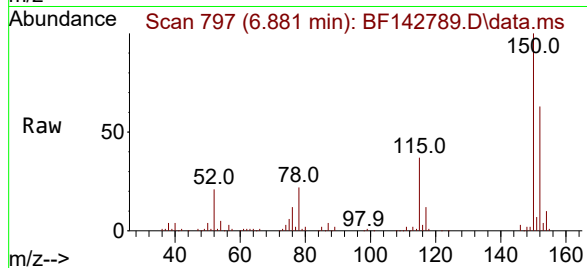
[illegible]



#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.881 min Scan# 79
Delta R.T. -0.000 min
Lab File: BF142789.D
Acq: 19 Jun 2025 17:38

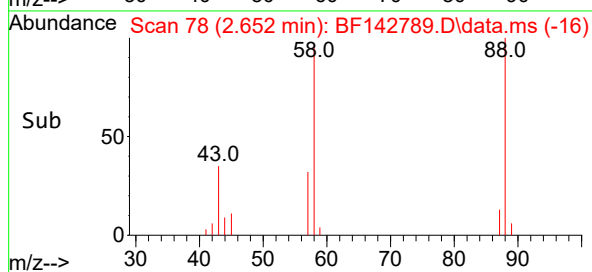
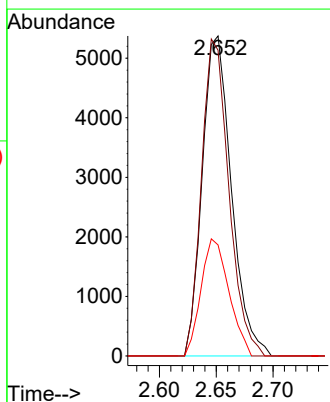
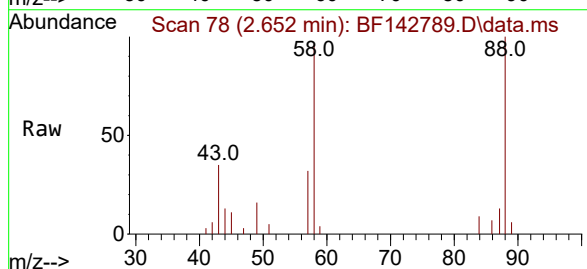
Instrument :
BNA_F
ClientSampleId :
SSTDICC005

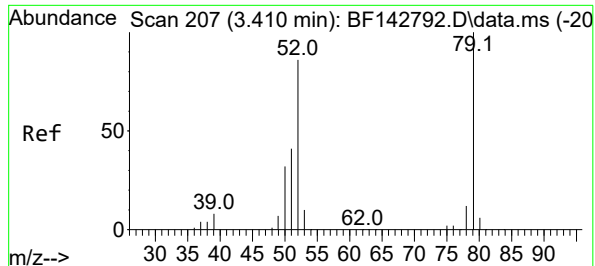
Tgt Ion:152 Resp: 80144
Ion Ratio Lower Upper
152 100
150 157.7 127.2 190.8
115 58.8 46.6 69.8



#2
1,4-Dioxane
Concen: 5.139 ng
RT: 2.652 min Scan# 78
Delta R.T. 0.012 min
Lab File: BF142789.D
Acq: 19 Jun 2025 17:38

Tgt Ion: 88 Resp: 9589
Ion Ratio Lower Upper
88 100
58 92.9 69.1 103.7
43 35.1 27.4 41.2





#3

Pyridine

Concen: 5.102 ng

RT: 3.434 min Scan# 211

Delta R.T. 0.024 min

Lab File: BF142789.D

Acq: 19 Jun 2025 17:38

Instrument :

BNA_F

ClientSampleId :

SSTDICC005

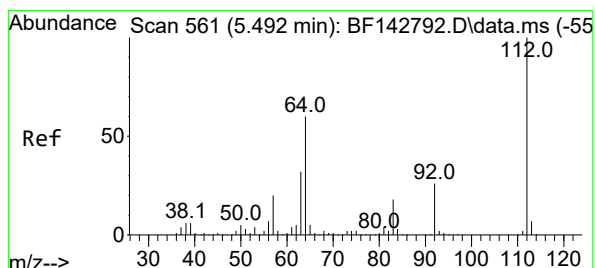
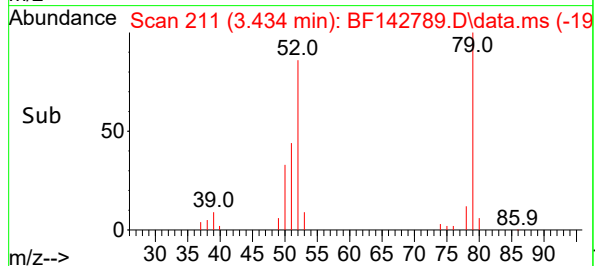
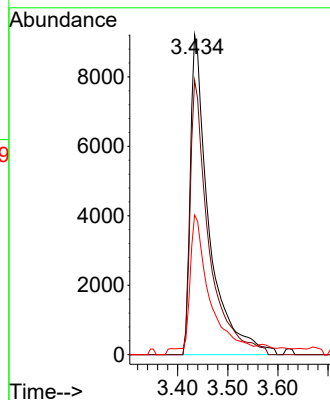
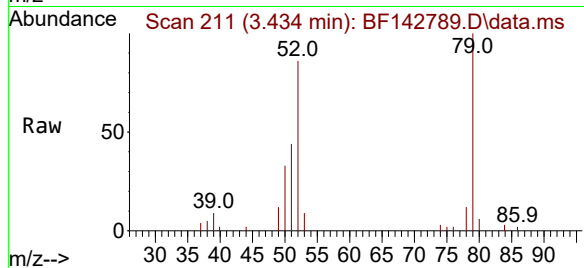
Tgt Ion: 79 Resp: 23835

Ion Ratio Lower Upper

79 100

52 85.8 69.2 103.8

51 43.7 33.2 49.8



#5

2-Fluorophenol

Concen: 10.555 ng

RT: 5.493 min Scan# 561

Delta R.T. 0.000 min

Lab File: BF142789.D

Acq: 19 Jun 2025 17:38

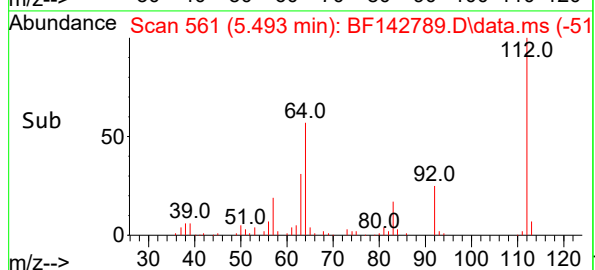
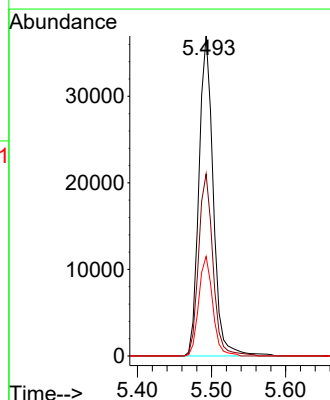
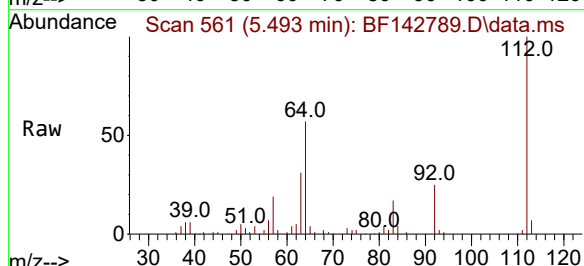
Tgt Ion: 112 Resp: 49599

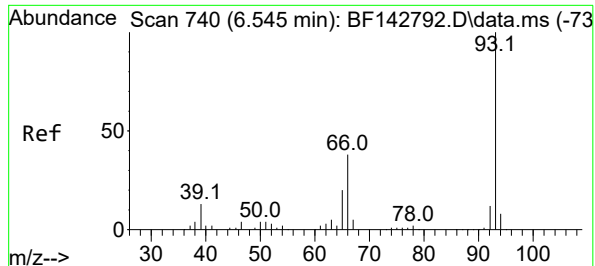
Ion Ratio Lower Upper

112 100

64 56.9 48.2 72.2

63 31.1 25.7 38.5

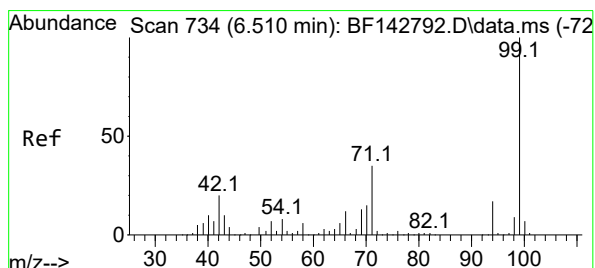
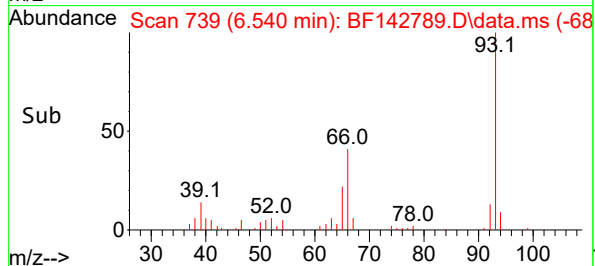
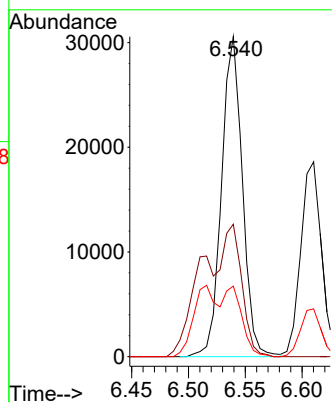
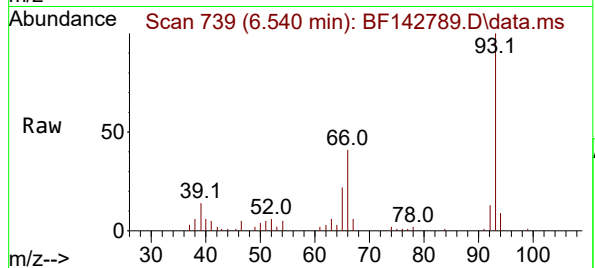




#6
Aniline
Concen: 5.286 ng
RT: 6.540 min Scan# 71
Delta R.T. -0.006 min
Lab File: BF142789.D
Acq: 19 Jun 2025 17:38

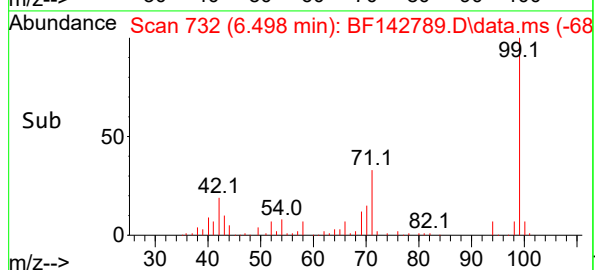
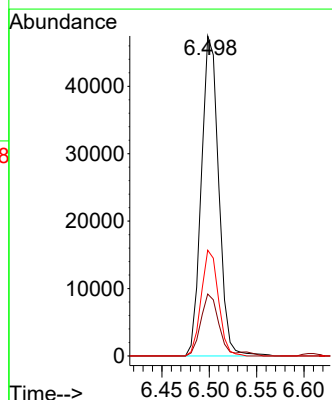
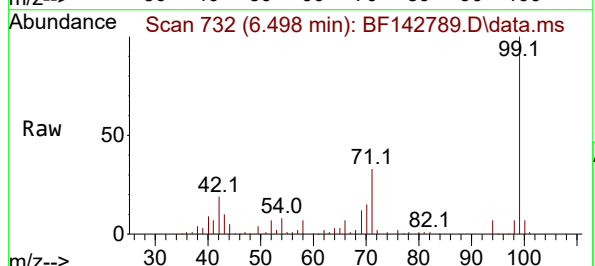
Instrument :
BNA_F
ClientSampleId :
SSTDICC005

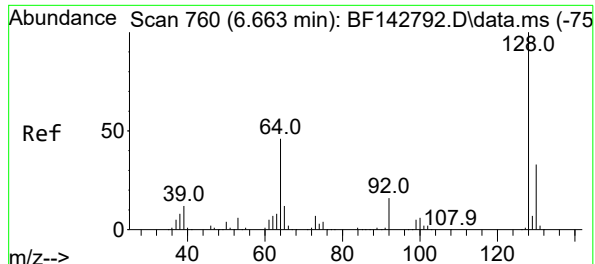
Tgt Ion: 93 Resp: 39088
Ion Ratio Lower Upper
93 100
66 41.4 31.8 47.6
65 22.0 16.2 24.2



#7
Phenol-d6
Concen: 10.981 ng
RT: 6.498 min Scan# 732
Delta R.T. -0.012 min
Lab File: BF142789.D
Acq: 19 Jun 2025 17:38

Tgt Ion: 99 Resp: 60590
Ion Ratio Lower Upper
99 100
42 19.4 15.9 23.9
71 33.1 27.8 41.8

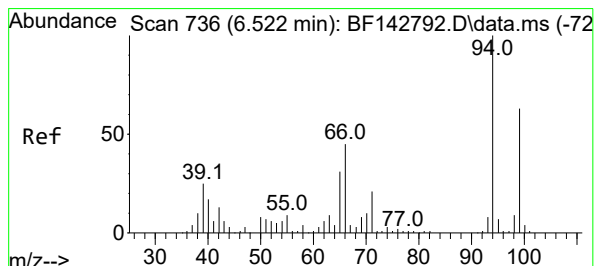
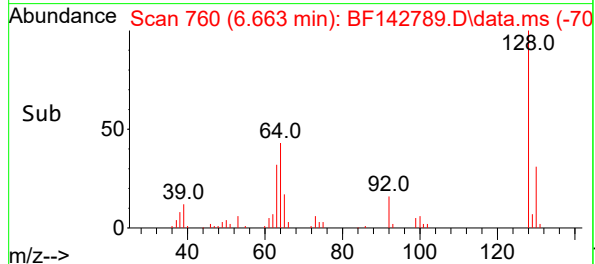
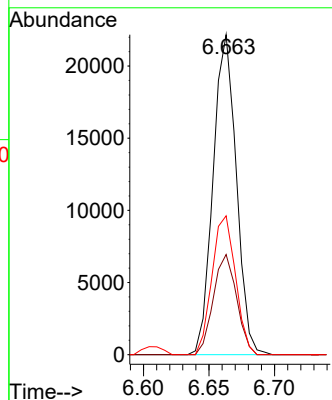
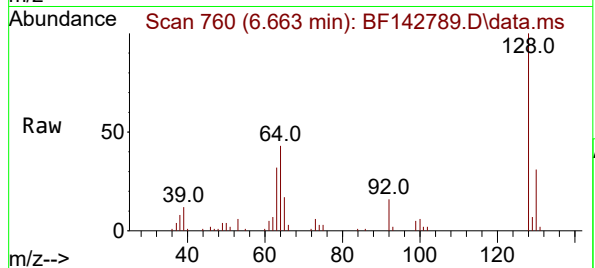




#8
2-Chlorophenol
Concen: 5.332 ng
RT: 6.663 min Scan# 760
Delta R.T. 0.000 min
Lab File: BF142789.D
Acq: 19 Jun 2025 17:38

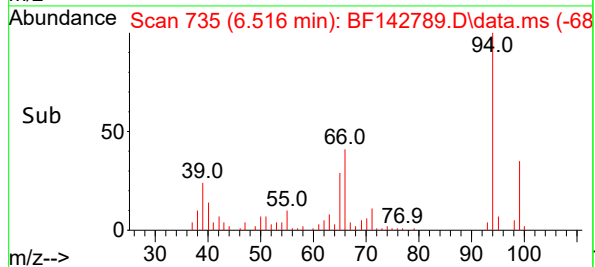
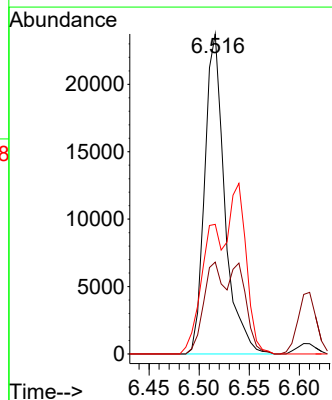
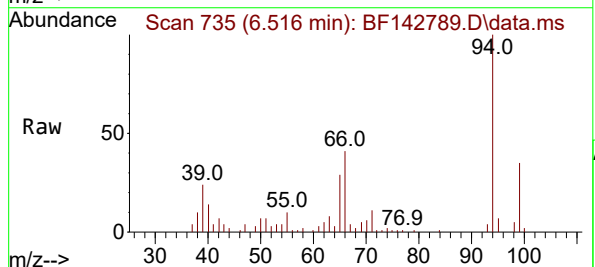
Instrument :
BNA_F
ClientSampleId :
SSTDICC005

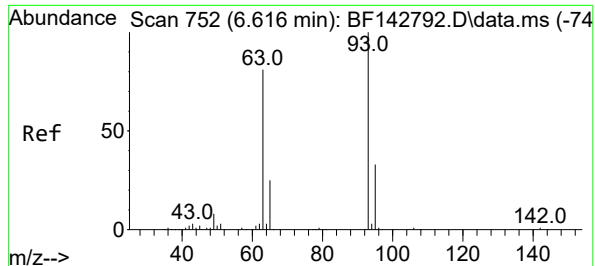
Tgt Ion:128 Resp: 27282
Ion Ratio Lower Upper
128 100
130 31.3 12.7 52.7
64 43.4 26.5 66.5



#10
Phenol
Concen: 5.369 ng
RT: 6.516 min Scan# 735
Delta R.T. -0.006 min
Lab File: BF142789.D
Acq: 19 Jun 2025 17:38

Tgt Ion: 94 Resp: 33027
Ion Ratio Lower Upper
94 100
65 28.7 11.3 51.3
66 40.5 24.9 64.9

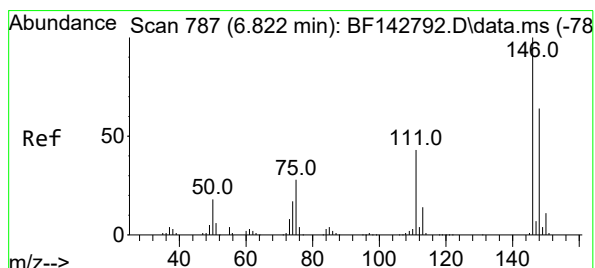
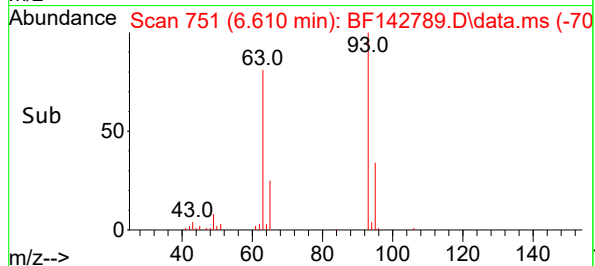
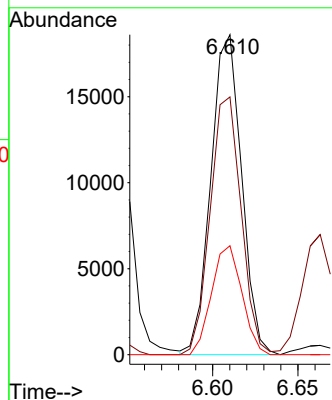
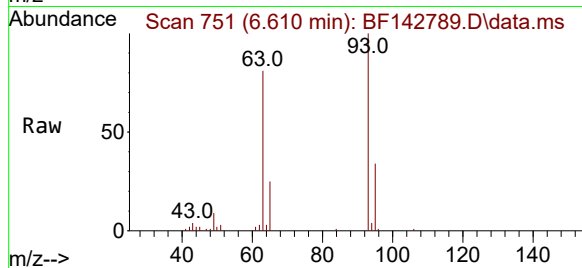




#11
bis(2-Chloroethyl)ether
Concen: 5.122 ng
RT: 6.610 min Scan# 751
Delta R.T. -0.006 min
Lab File: BF142789.D
Acq: 19 Jun 2025 17:38

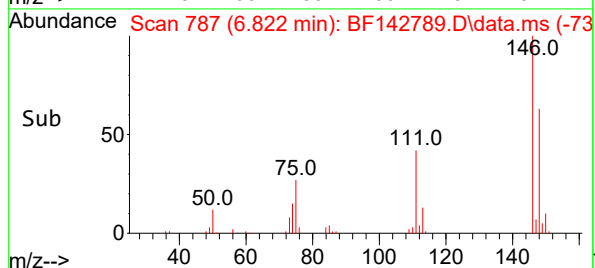
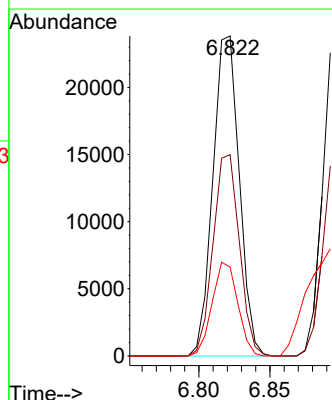
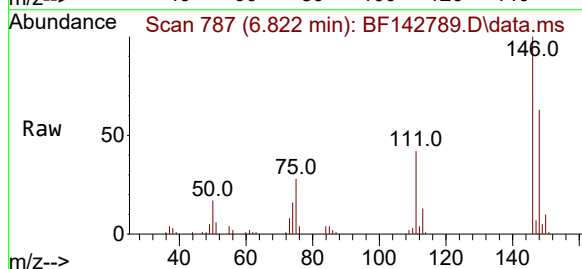
Instrument :
BNA_F
ClientSampleId :
SSTDICC005

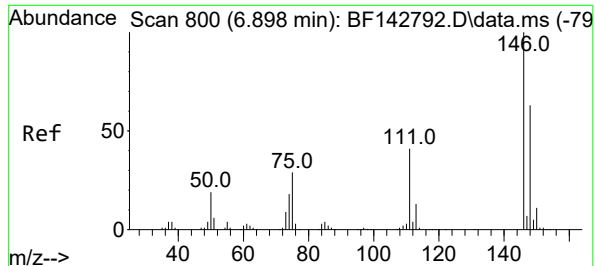
Tgt Ion: 93 Resp: 23378
Ion Ratio Lower Upper
93 100
63 80.6 60.3 100.3
95 34.1 12.5 52.5



#12
1,3-Dichlorobenzene
Concen: 5.281 ng
RT: 6.822 min Scan# 787
Delta R.T. 0.000 min
Lab File: BF142789.D
Acq: 19 Jun 2025 17:38

Tgt Ion: 146 Resp: 30770
Ion Ratio Lower Upper
146 100
148 62.9 51.1 76.7
75 27.7 22.7 34.1





#13

1,4-Dichlorobenzene

Concen: 5.302 ng

RT: 6.898 min Scan# 800

Delta R.T. 0.000 min

Lab File: BF142789.D

Acq: 19 Jun 2025 17:38

Instrument :

BNA_F

ClientSampleId :

SSTDIC005

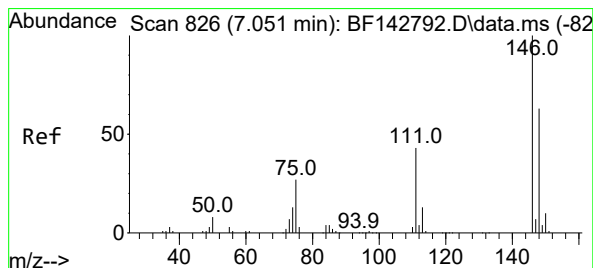
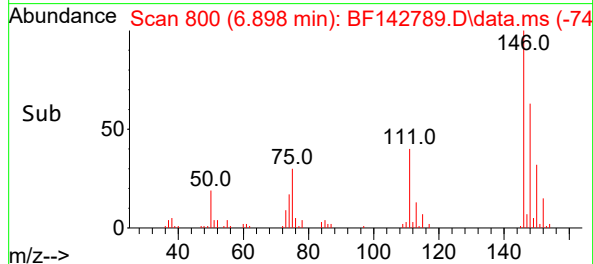
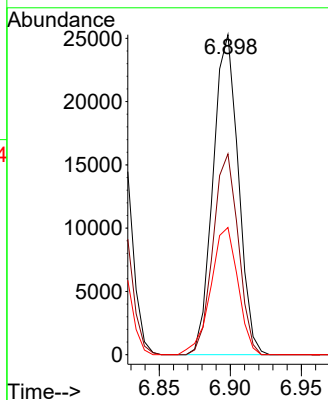
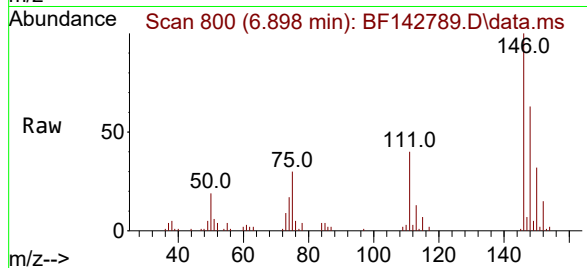
Tgt Ion:146 Resp: 31311

Ion Ratio Lower Upper

146 100

148 62.8 50.2 75.2

111 39.8 33.2 49.8



#14

1,2-Dichlorobenzene

Concen: 5.175 ng

RT: 7.051 min Scan# 826

Delta R.T. 0.000 min

Lab File: BF142789.D

Acq: 19 Jun 2025 17:38

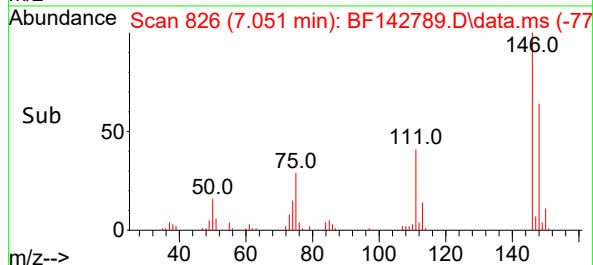
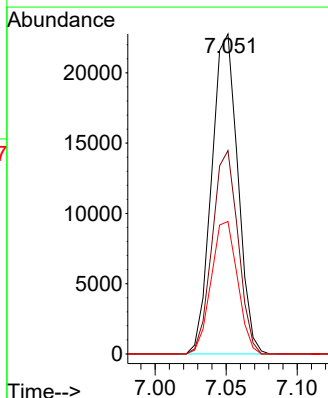
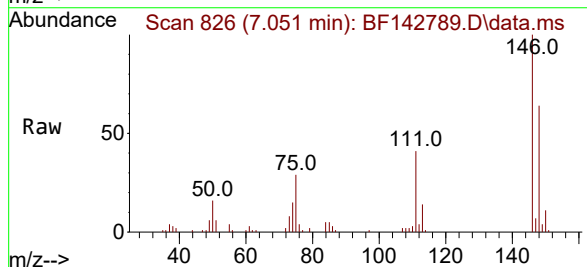
Tgt Ion:146 Resp: 29215

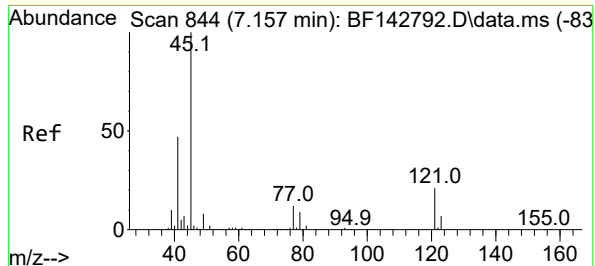
Ion Ratio Lower Upper

146 100

148 63.5 50.4 75.6

111 41.4 34.1 51.1





#16

2,2'-oxybis(1-Chloropropane)

Concen: 5.503 ng

RT: 7.151 min Scan# 84

Delta R.T. -0.006 min

Lab File: BF142789.D

Acq: 19 Jun 2025 17:38

Instrument :

BNA_F

ClientSampleId :

SSTDICC005

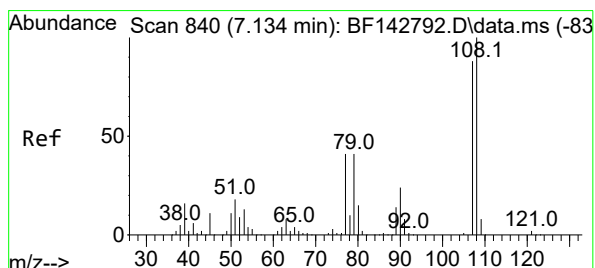
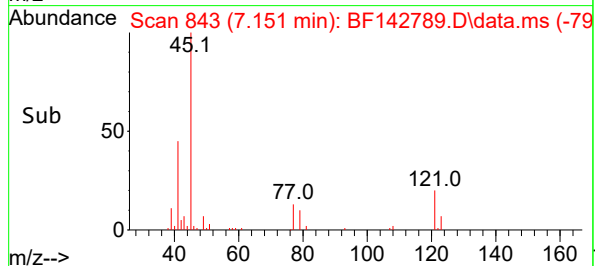
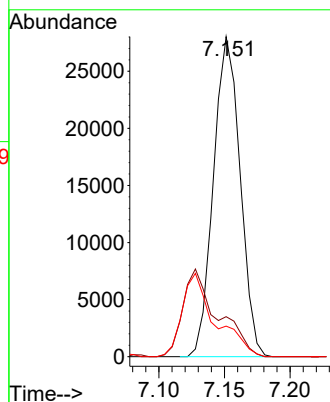
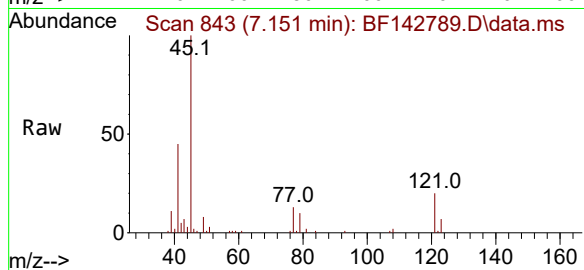
Tgt Ion: 45 Resp: 39577

Ion Ratio Lower Upper

45 100

77 12.5 0.0 32.8

79 9.5 0.0 29.8



#17

2-Methylphenol

Concen: 5.199 ng

RT: 7.128 min Scan# 839

Delta R.T. -0.006 min

Lab File: BF142789.D

Acq: 19 Jun 2025 17:38

Tgt Ion:107 Resp: 20336

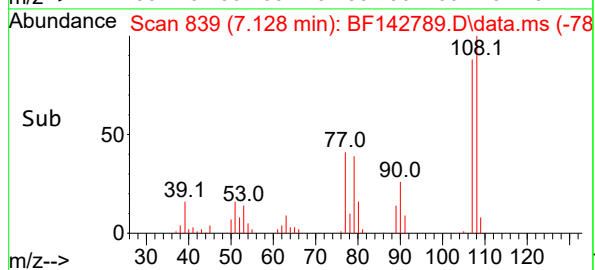
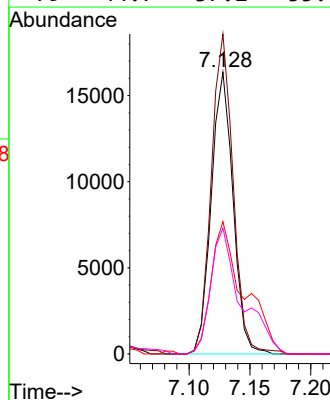
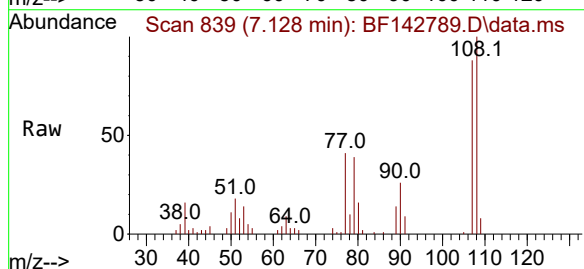
Ion Ratio Lower Upper

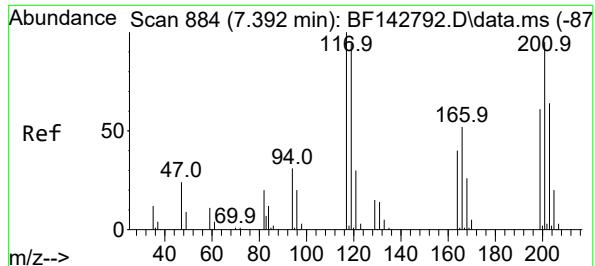
107 100

108 113.6 90.9 136.3

77 47.0 37.3 55.9

79 44.7 37.2 55.8

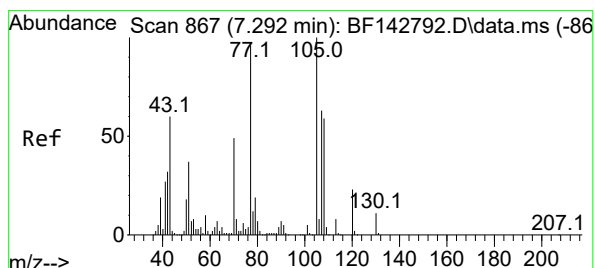
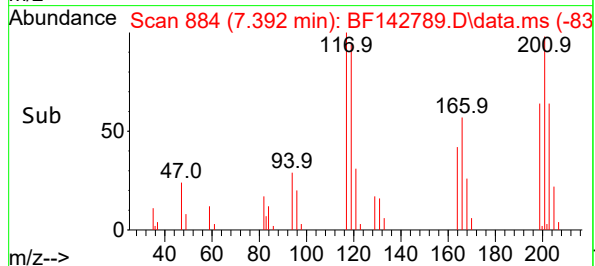
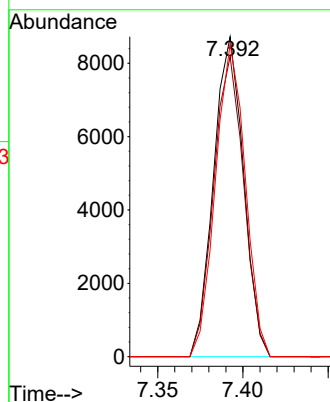
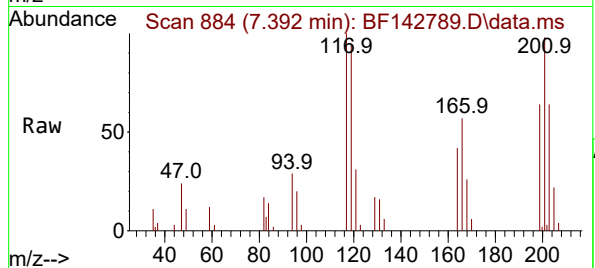




#18
Hexachloroethane
Concen: 5.054 ng
RT: 7.392 min Scan# 884
Delta R.T. 0.000 min
Lab File: BF142789.D
Acq: 19 Jun 2025 17:38

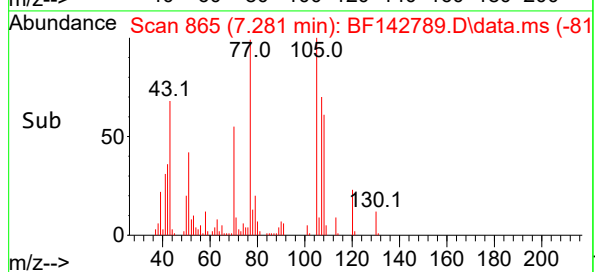
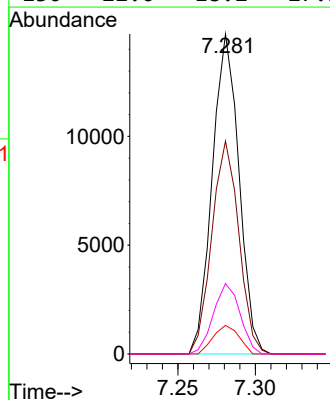
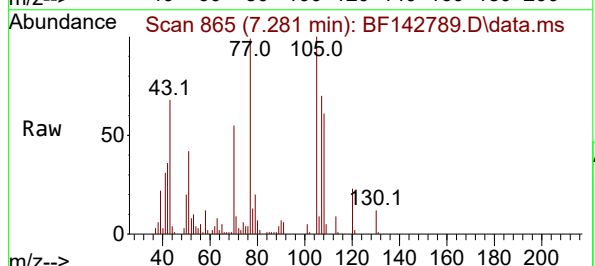
Instrument :
BNA_F
ClientSampleId :
SSTDIC005

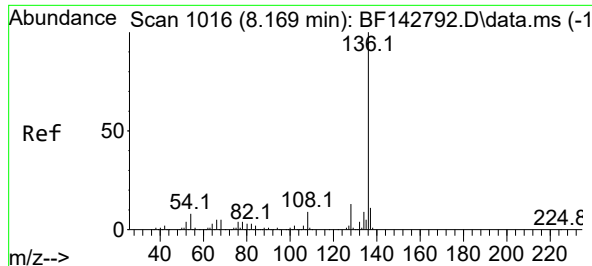
Tgt Ion:117 Resp: 10670
Ion Ratio Lower Upper
117 100
119 93.8 75.4 113.0
201 97.7 75.9 113.9



#19
n-Nitroso-di-n-propylamine
Concen: 5.061 ng
RT: 7.281 min Scan# 865
Delta R.T. -0.012 min
Lab File: BF142789.D
Acq: 19 Jun 2025 17:38

Tgt Ion: 70 Resp: 17612
Ion Ratio Lower Upper
70 100
42 66.5 52.1 78.1
101 8.9 8.2 12.2
130 22.0 18.2 27.2





#21

Naphthalene-d8

Concen: 20.000 ng

RT: 8.163 min Scan# 1015

Delta R.T. -0.006 min

Lab File: BF142789.D

Acq: 19 Jun 2025 17:38

Instrument :

BNA_F

ClientSampleId :

SSTDICC005

Tgt Ion:136 Resp: 305306

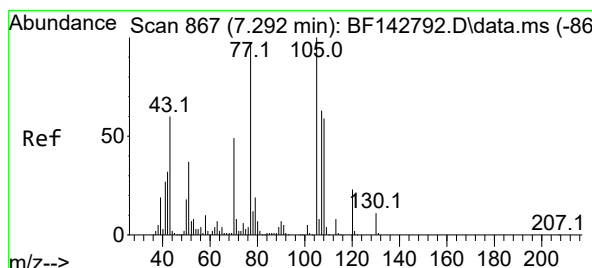
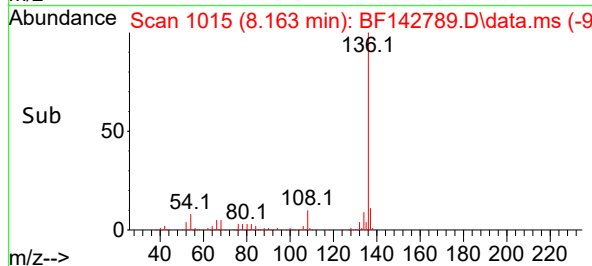
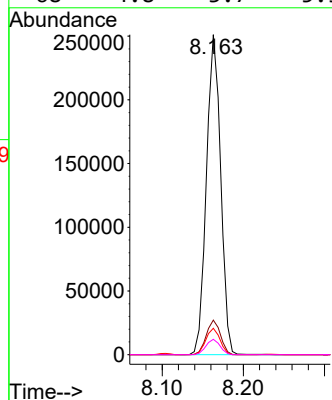
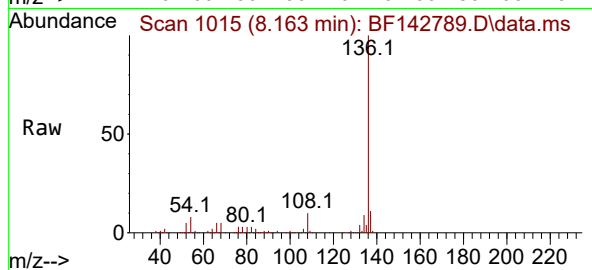
Ion Ratio Lower Upper

136 100

137 10.8 8.4 12.6

54 8.3 6.3 9.5

68 4.8 3.7 5.5



#22

Acetophenone

Concen: 5.240 ng

RT: 7.281 min Scan# 865

Delta R.T. -0.012 min

Lab File: BF142789.D

Acq: 19 Jun 2025 17:38

Tgt Ion:105 Resp: 35396

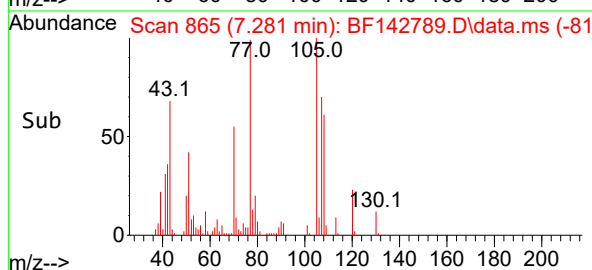
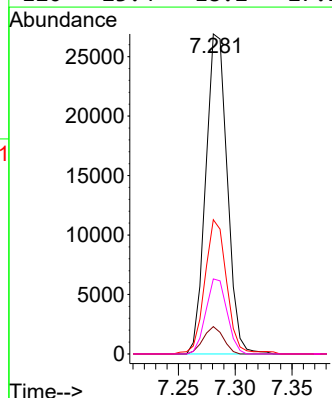
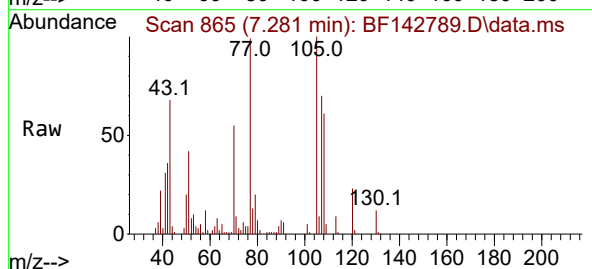
Ion Ratio Lower Upper

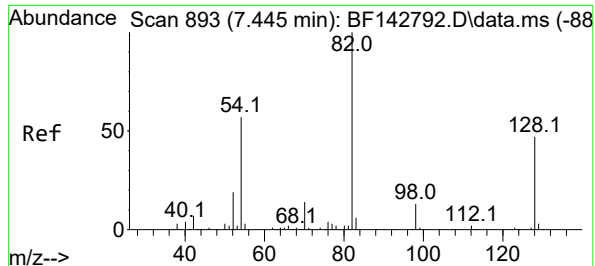
105 100

71 8.5 6.5 9.7

51 41.9 29.8 44.8

120 23.4 18.2 27.2





#23

Nitrobenzene-d5

Concen: 10.106 ng

RT: 7.439 min Scan# 891

Delta R.T. -0.006 min

Lab File: BF142789.D

Acq: 19 Jun 2025 17:38

Instrument :

BNA_F

ClientSampleId :

SSTDICC005

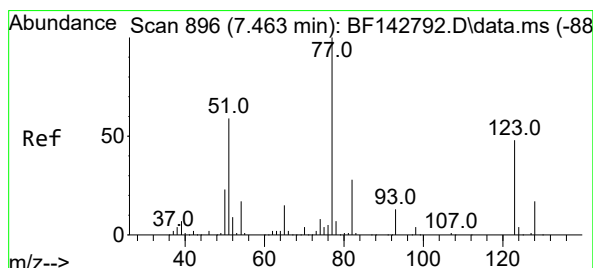
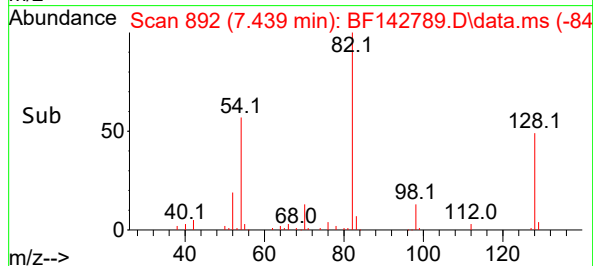
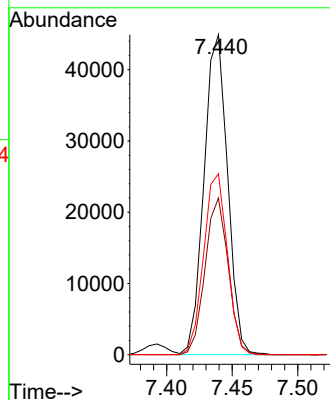
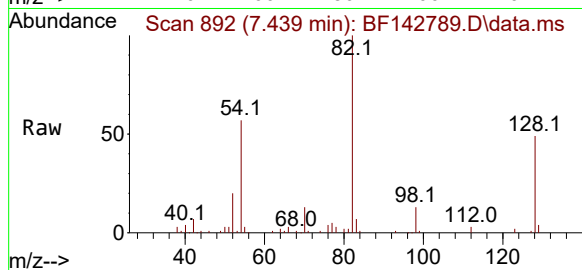
Tgt Ion: 82 Resp: 56291

Ion Ratio Lower Upper

82 100

128 48.9 37.7 56.5

54 56.6 45.7 68.5



#24

Nitrobenzene

Concen: 5.324 ng

RT: 7.457 min Scan# 895

Delta R.T. -0.006 min

Lab File: BF142789.D

Acq: 19 Jun 2025 17:38

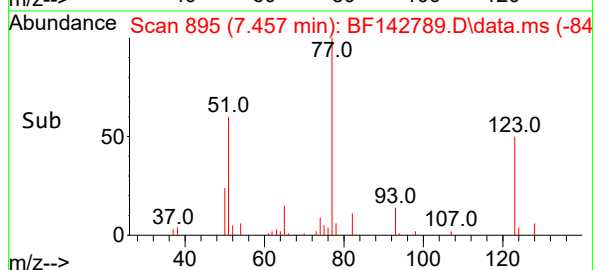
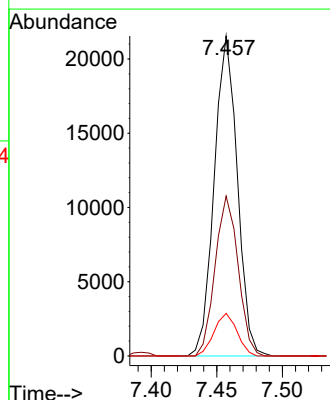
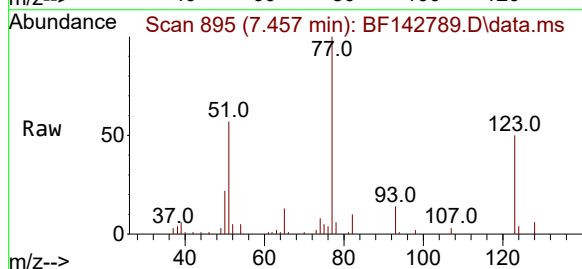
Tgt Ion: 77 Resp: 26353

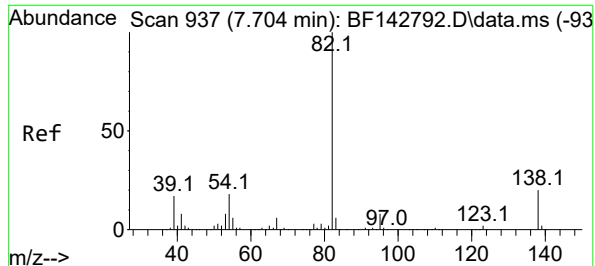
Ion Ratio Lower Upper

77 100

123 49.9 39.2 58.8

65 13.3 11.6 17.4





#25

Isophorone

Concen: 4.997 ng

RT: 7.698 min Scan# 91

Delta R.T. -0.006 min

Lab File: BF142789.D

Acq: 19 Jun 2025 17:38

Instrument :

BNA_F

ClientSampleId :

SSTDICC005

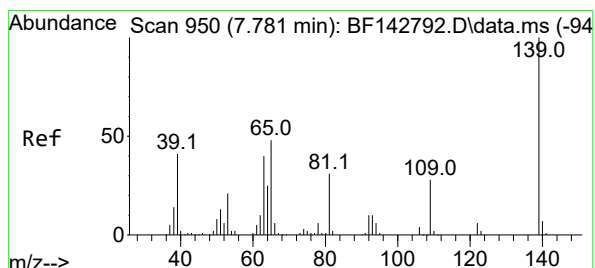
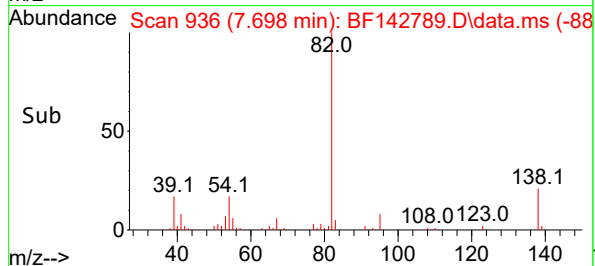
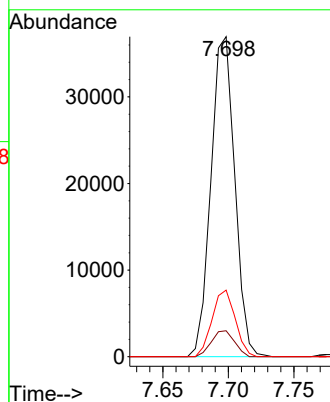
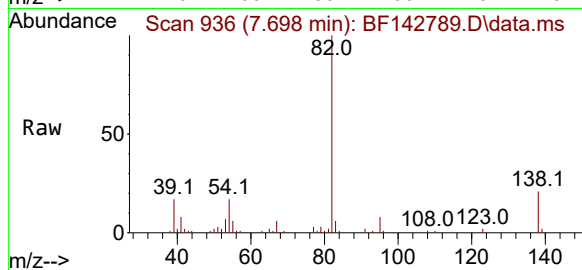
Tgt Ion: 82 Resp: 46673

Ion Ratio Lower Upper

82 100

95 8.1 6.2 9.2

138 20.8 16.2 24.4



#26

2-Nitrophenol

Concen: 4.682 ng

RT: 7.781 min Scan# 950

Delta R.T. 0.000 min

Lab File: BF142789.D

Acq: 19 Jun 2025 17:38

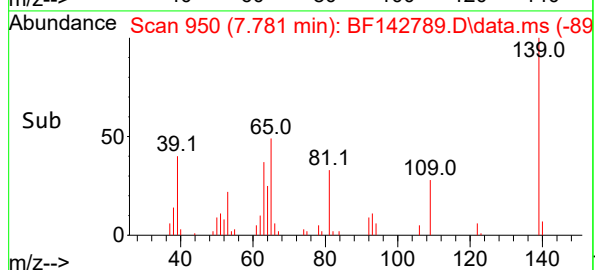
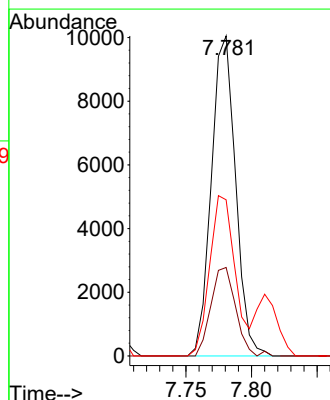
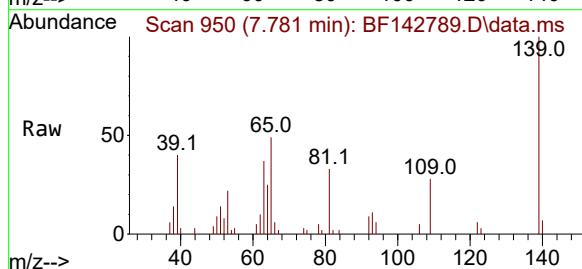
Tgt Ion:139 Resp: 12914

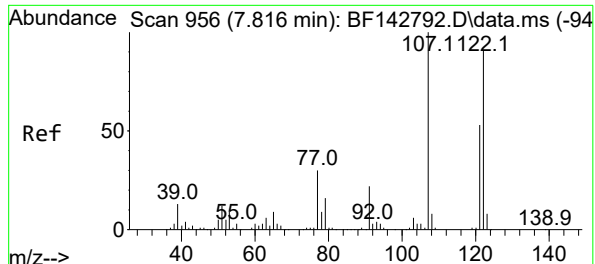
Ion Ratio Lower Upper

139 100

109 27.7 22.7 34.1

65 48.8 38.6 58.0





#27

2,4-Dimethylphenol

Concen: 5.242 ng

RT: 7.810 min Scan# 91

Delta R.T. -0.006 min

Lab File: BF142789.D

Acq: 19 Jun 2025 17:38

Instrument :

BNA_F

ClientSampleId :

SSTDICC005

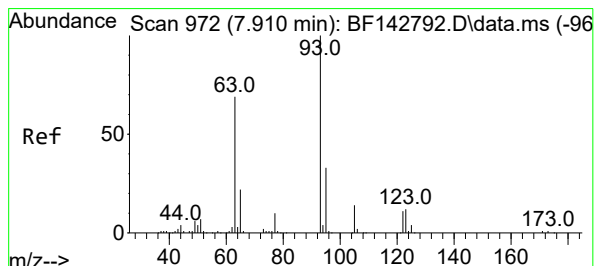
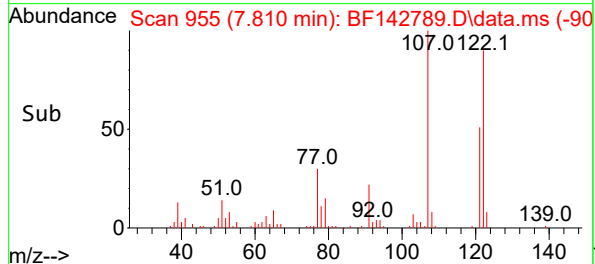
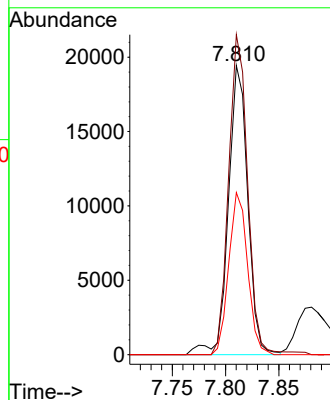
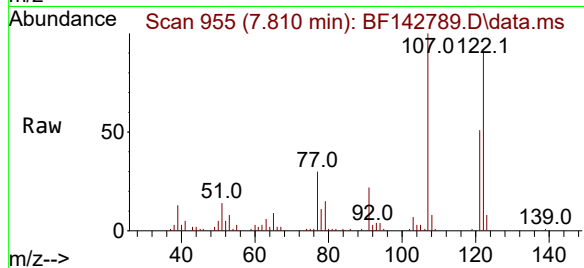
Tgt Ion:122 Resp: 24614

Ion Ratio Lower Upper

122 100

107 110.7 88.0 132.0

121 56.1 46.3 69.5



#28

bis(2-Chloroethoxy)methane

Concen: 5.068 ng

RT: 7.910 min Scan# 972

Delta R.T. 0.000 min

Lab File: BF142789.D

Acq: 19 Jun 2025 17:38

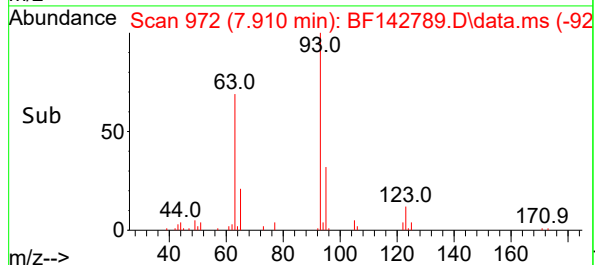
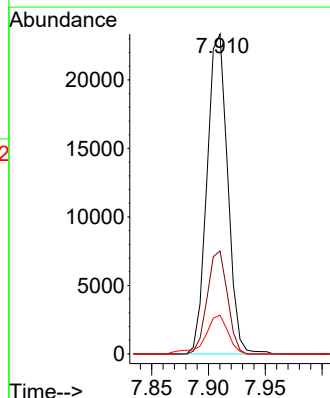
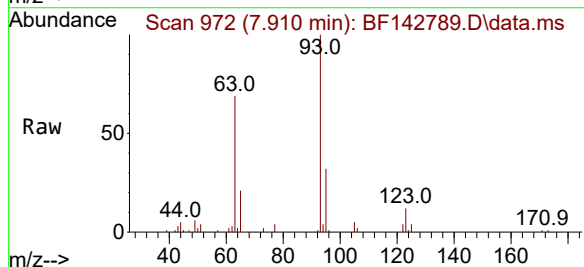
Tgt Ion: 93 Resp: 29467

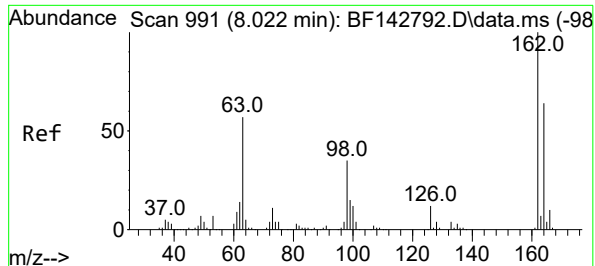
Ion Ratio Lower Upper

93 100

95 32.2 26.2 39.2

123 12.1 9.9 14.9





#29

2,4-Dichlorophenol

Concen: 5.134 ng

RT: 8.022 min Scan# 991

Delta R.T. 0.000 min

Lab File: BF142789.D

Acq: 19 Jun 2025 17:38

Instrument :

BNA_F

ClientSampleId :

SSTDICC005

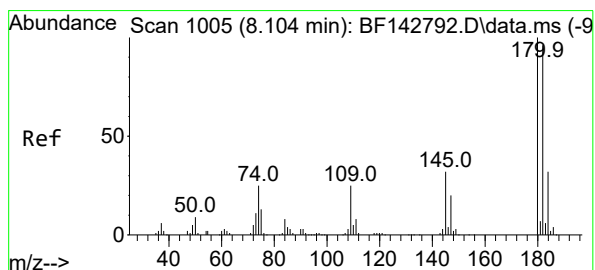
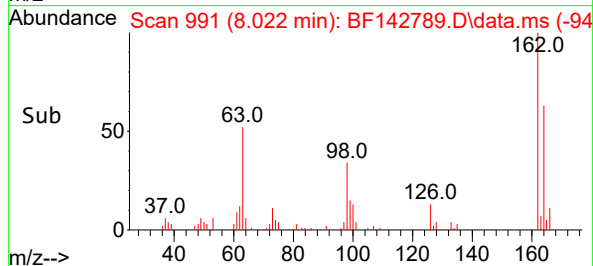
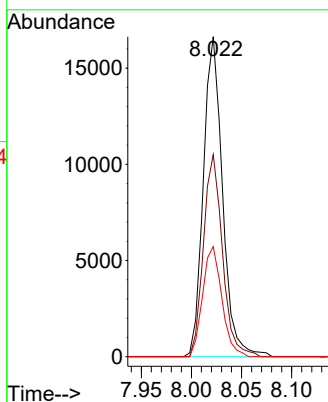
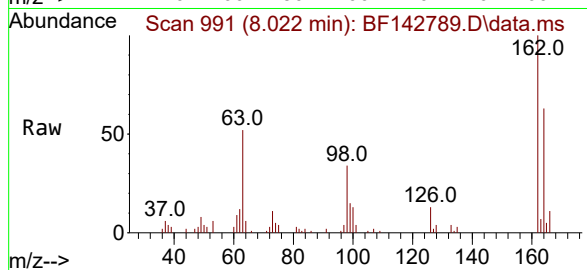
Tgt Ion:162 Resp: 22222

Ion Ratio Lower Upper

162 100

164 63.2 44.0 84.0

98 34.4 15.4 55.4



#30

1,2,4-Trichlorobenzene

Concen: 5.171 ng

RT: 8.104 min Scan# 1005

Delta R.T. 0.000 min

Lab File: BF142789.D

Acq: 19 Jun 2025 17:38

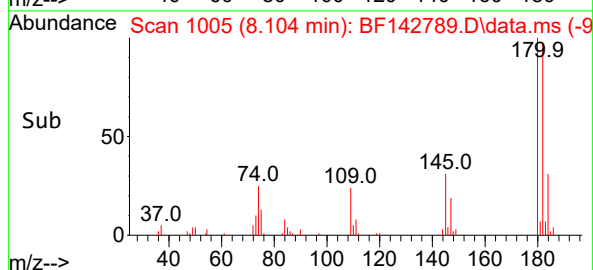
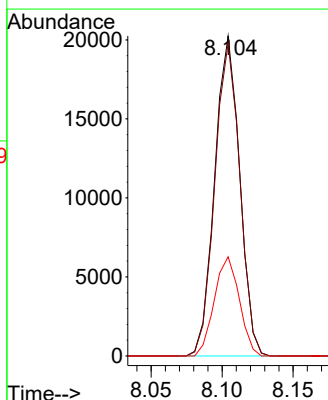
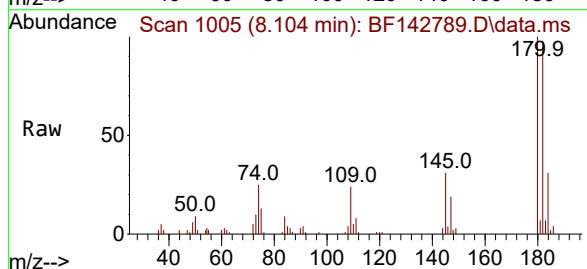
Tgt Ion:180 Resp: 24724

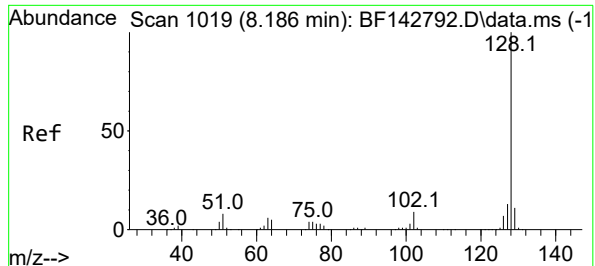
Ion Ratio Lower Upper

180 100

182 97.8 76.4 114.6

145 31.0 25.8 38.8





#31

Naphthalene

Concen: 5.344 ng

RT: 8.187 min Scan# 1019

Delta R.T. 0.000 min

Lab File: BF142789.D

Acq: 19 Jun 2025 17:38

Instrument :

BNA_F

ClientSampleId :

SSTDICC005

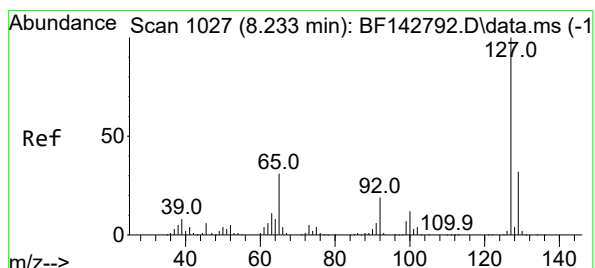
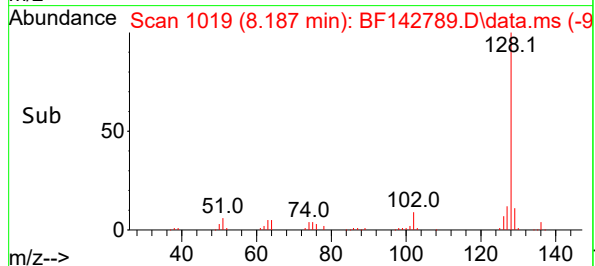
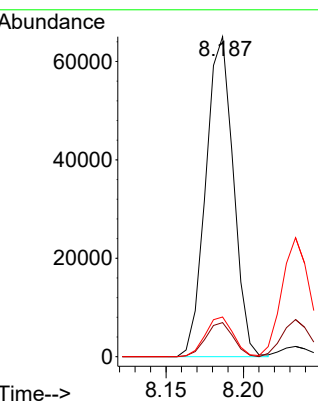
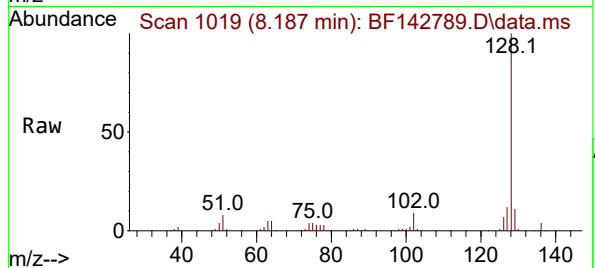
Tgt Ion:128 Resp: 80247

Ion Ratio Lower Upper

128 100

129 10.7 8.9 13.3

127 12.4 10.4 15.6



#33

4-Chloroaniline

Concen: 5.256 ng

RT: 8.234 min Scan# 1027

Delta R.T. 0.000 min

Lab File: BF142789.D

Acq: 19 Jun 2025 17:38

Tgt Ion:127 Resp: 31626

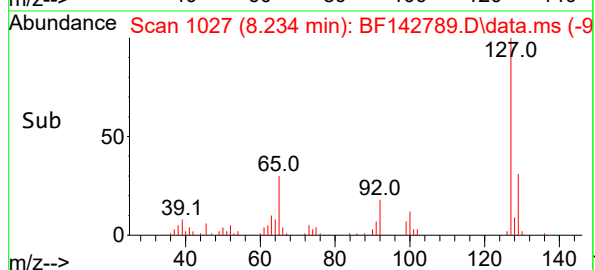
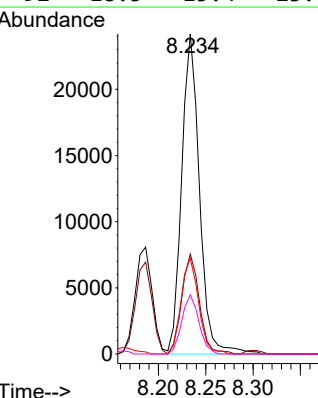
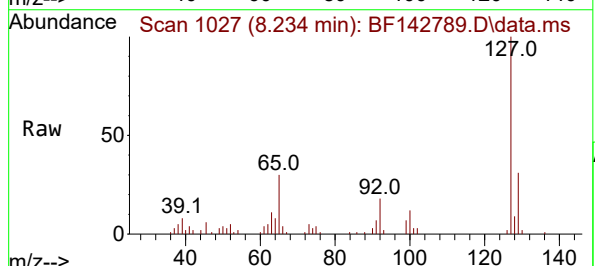
Ion Ratio Lower Upper

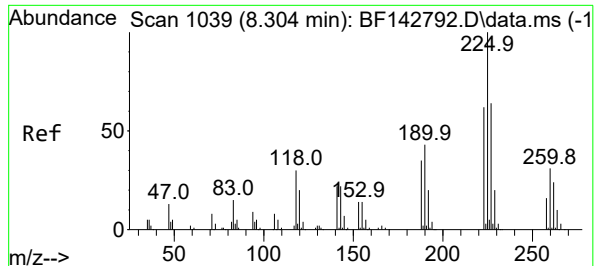
127 100

129 31.2 25.9 38.9

65 29.9 24.6 36.8

92 18.5 15.4 23.0





#34

Hexachlorobutadiene

Concen: 4.918 ng

RT: 8.304 min Scan# 1108

Delta R.T. 0.000 min

Lab File: BF142789.D

Acq: 19 Jun 2025 17:38

Instrument :

BNA_F

ClientSampleId :

SSTDICC005

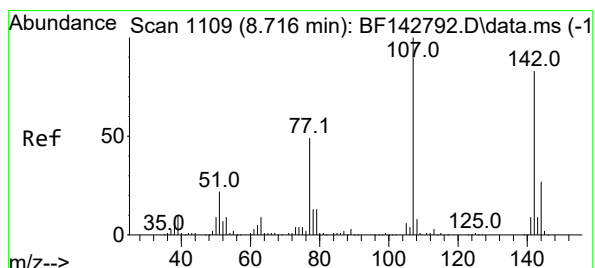
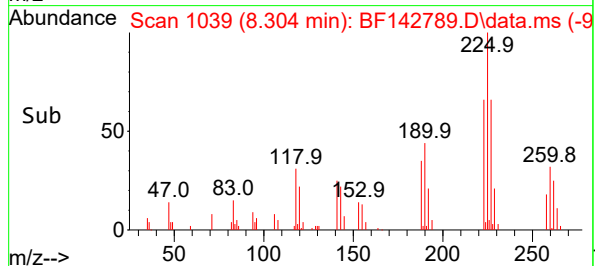
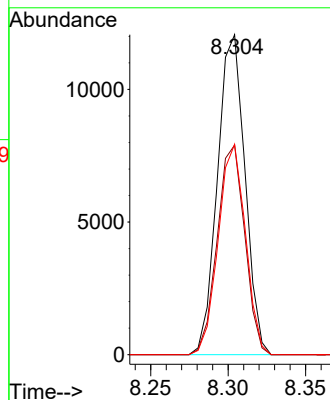
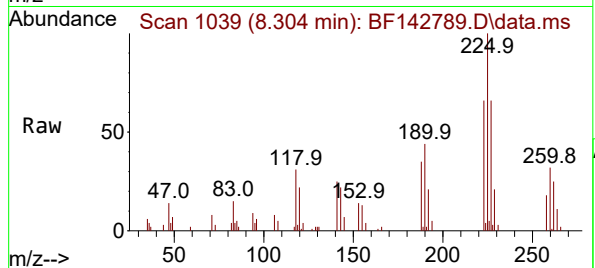
Tgt Ion:225 Resp: 14900

Ion Ratio Lower Upper

225 100

223 65.5 49.9 74.9

227 65.7 51.4 77.0



#36

4-Chloro-3-methylphenol

Concen: 5.113 ng

RT: 8.710 min Scan# 1108

Delta R.T. -0.006 min

Lab File: BF142789.D

Acq: 19 Jun 2025 17:38

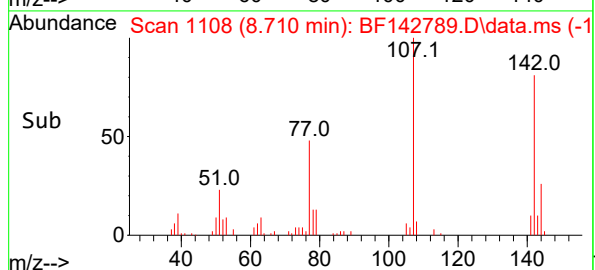
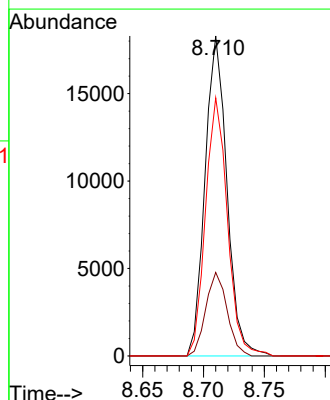
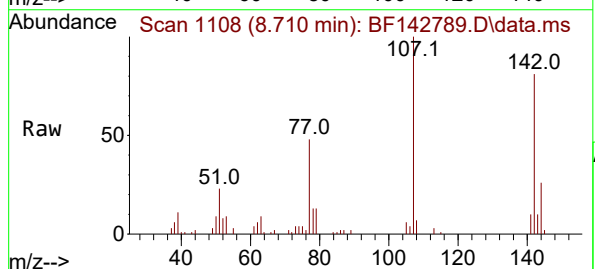
Tgt Ion:107 Resp: 22861

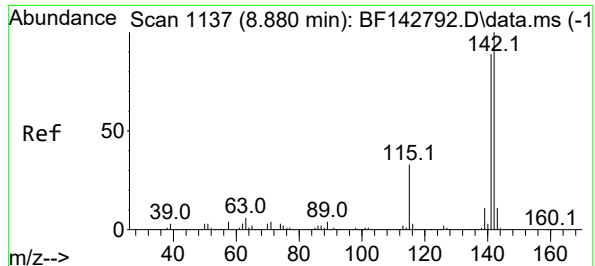
Ion Ratio Lower Upper

107 100

144 26.1 21.3 31.9

142 80.7 66.6 100.0





#37

2-Methylnaphthalene

Concen: 5.281 ng

RT: 8.875 min Scan# 1136

Delta R.T. -0.006 min

Lab File: BF142789.D

Acq: 19 Jun 2025 17:38

Instrument :

BNA_F

ClientSampleId :

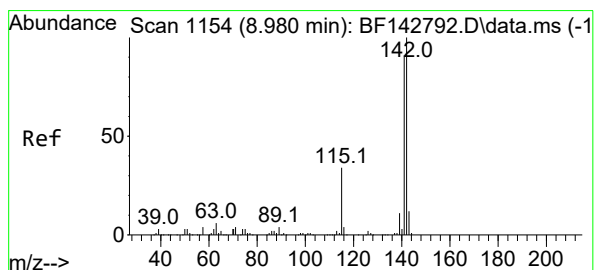
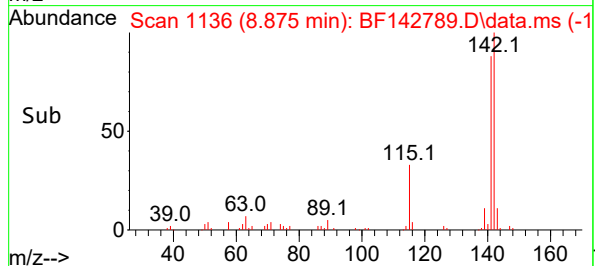
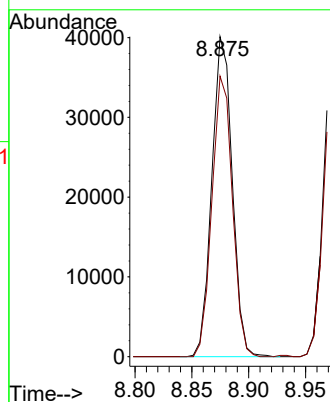
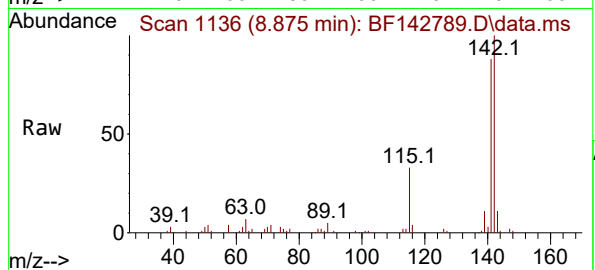
SSTDICC005

Tgt Ion:142 Resp: 50024

Ion Ratio Lower Upper

142 100

141 87.6 70.9 106.3



#38

1-Methylnaphthalene

Concen: 5.307 ng

RT: 8.975 min Scan# 1153

Delta R.T. -0.006 min

Lab File: BF142789.D

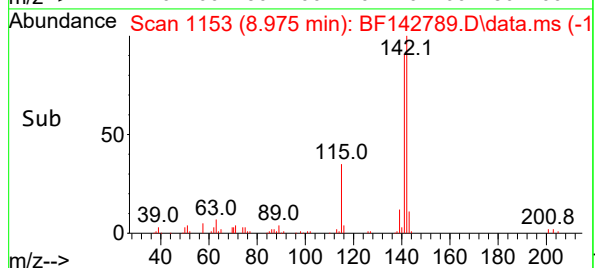
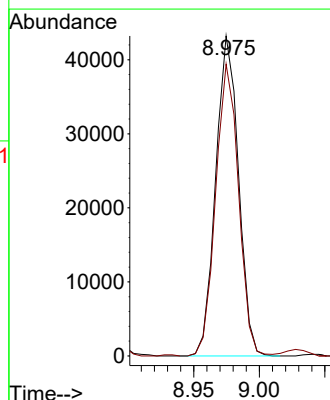
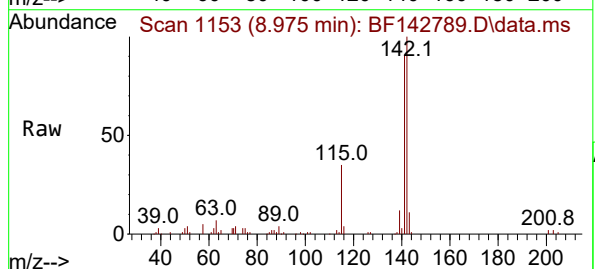
Acq: 19 Jun 2025 17:38

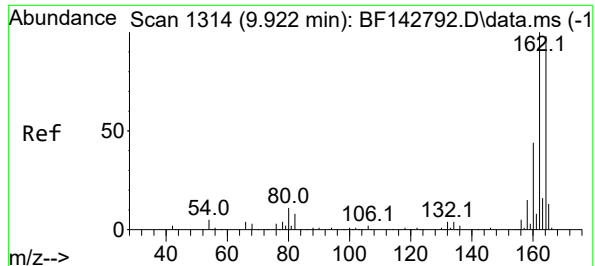
Tgt Ion:142 Resp: 52193

Ion Ratio Lower Upper

142 100

141 91.2 73.0 109.4





#39

Acenaphthene-d10

Concen: 20.000 ng

RT: 9.922 min Scan# 1165

Delta R.T. 0.000 min

Lab File: BF142789.D

Acq: 19 Jun 2025 17:38

Instrument :

BNA_F

ClientSampleId :

SSTDICC005

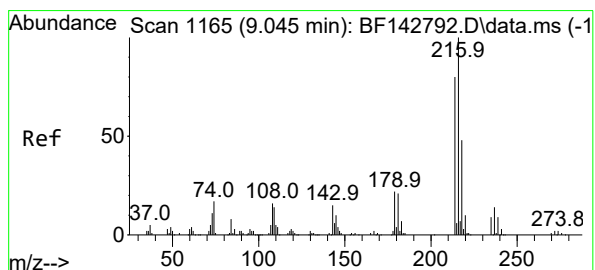
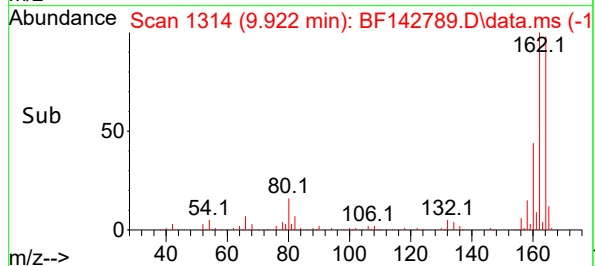
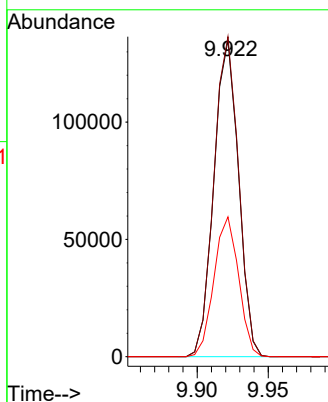
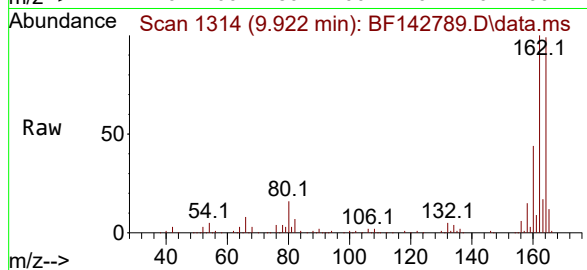
Tgt Ion:164 Resp: 162729

Ion Ratio Lower Upper

164 100

162 101.1 81.8 122.8

160 44.2 36.0 54.0



#40

1,2,4,5-Tetrachlorobenzene

Concen: 5.419 ng

RT: 9.045 min Scan# 1165

Delta R.T. 0.000 min

Lab File: BF142789.D

Acq: 19 Jun 2025 17:38

Tgt Ion:216 Resp: 25456

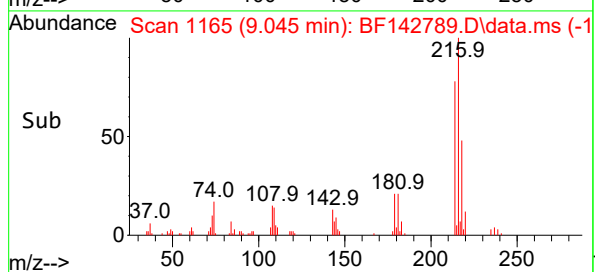
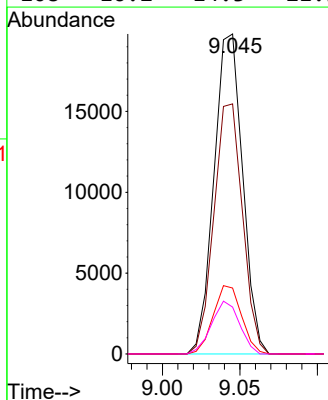
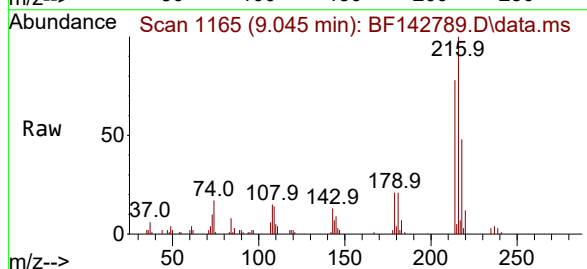
Ion Ratio Lower Upper

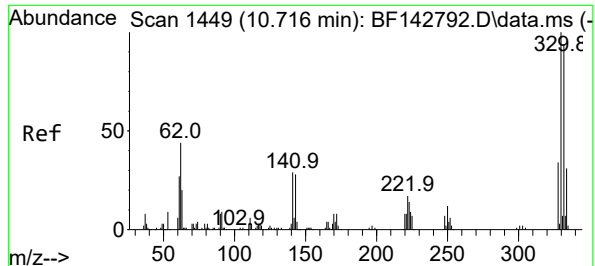
216 100

214 78.0 63.7 95.5

179 21.1 17.6 26.4

108 16.2 14.3 21.5





#42

2,4,6-Tribromophenol

Concen: 9.551 ng

RT: 10.710 min Scan# 1449

Delta R.T. -0.006 min

Lab File: BF142789.D

Acq: 19 Jun 2025 17:38

Instrument :

BNA_F

ClientSampleId :

SSTDICC005

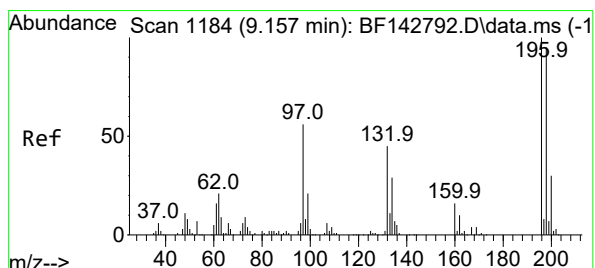
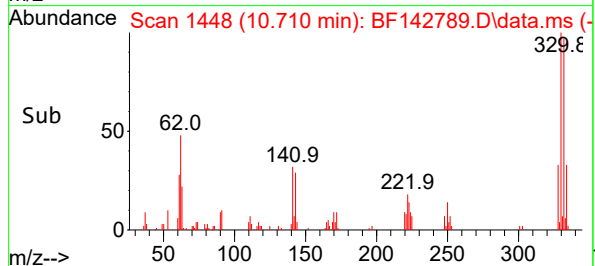
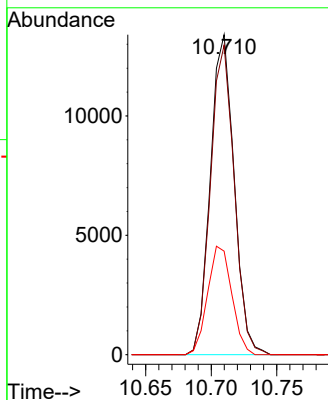
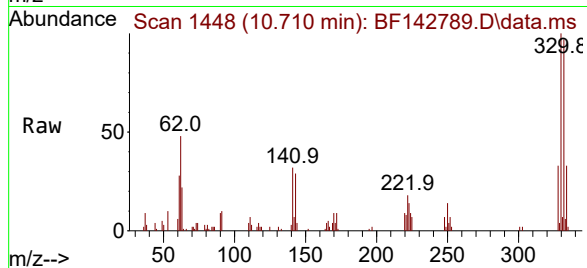
Tgt Ion:330 Resp: 16892

Ion Ratio Lower Upper

330 100

332 96.5 75.0 112.6

141 34.5 25.3 37.9



#43

2,4,6-Trichlorophenol

Concen: 5.154 ng

RT: 9.157 min Scan# 1184

Delta R.T. 0.000 min

Lab File: BF142789.D

Acq: 19 Jun 2025 17:38

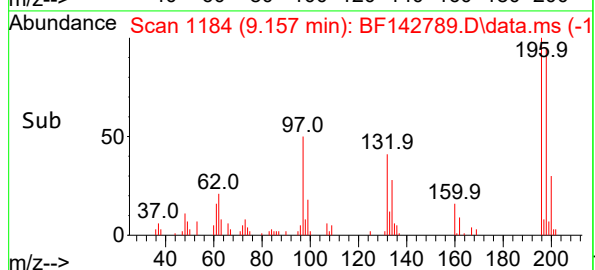
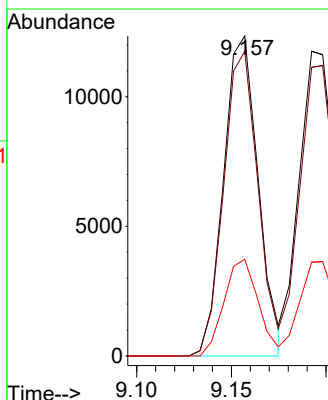
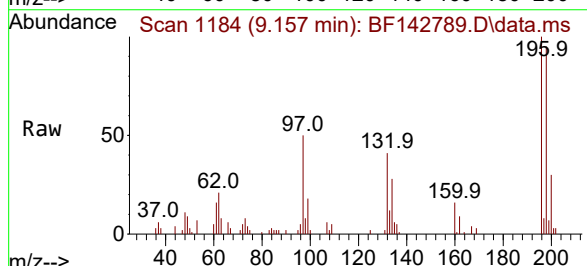
Tgt Ion:196 Resp: 15667

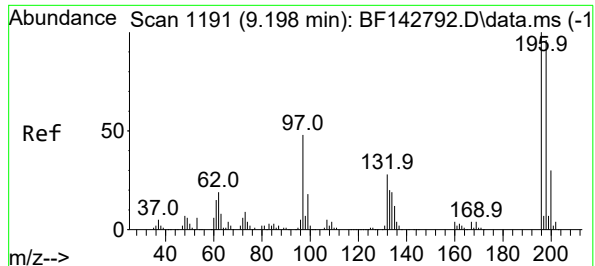
Ion Ratio Lower Upper

196 100

198 95.2 76.2 114.2

200 30.2 24.1 36.1





#44

2,4,5-Trichlorophenol

Concen: 5.045 ng

RT: 9.192 min Scan# 1191

Delta R.T. -0.006 min

Lab File: BF142789.D

Acq: 19 Jun 2025 17:38

Instrument :

BNA_F

ClientSampleId :

SSTDICC005

Tgt Ion:196 Resp: 16563

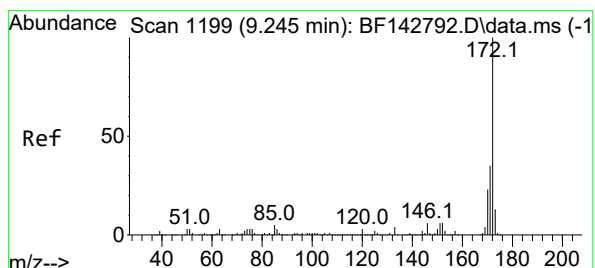
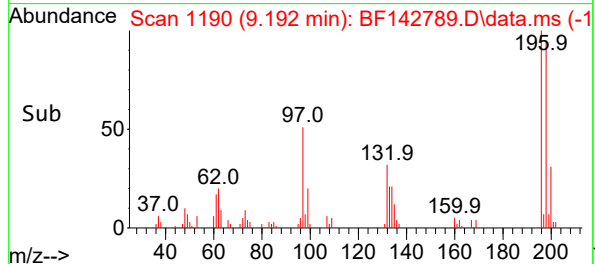
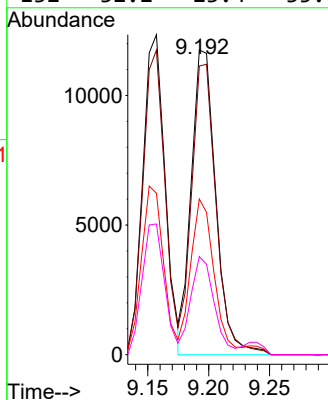
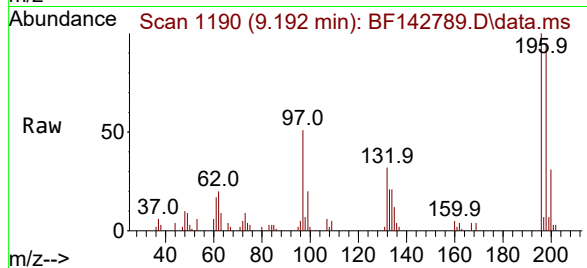
Ion Ratio Lower Upper

196 100

198 94.8 76.6 115.0

97 51.1 38.2 57.2

132 32.2 23.4 35.0



#45

2-Fluorobiphenyl

Concen: 11.573 ng

RT: 9.239 min Scan# 1198

Delta R.T. -0.006 min

Lab File: BF142789.D

Acq: 19 Jun 2025 17:38

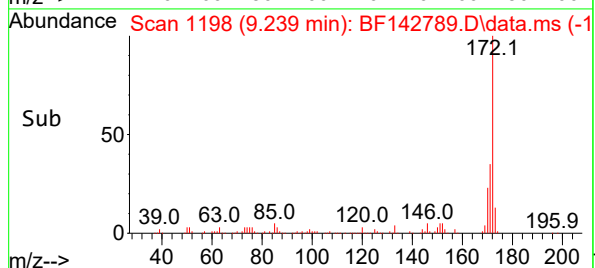
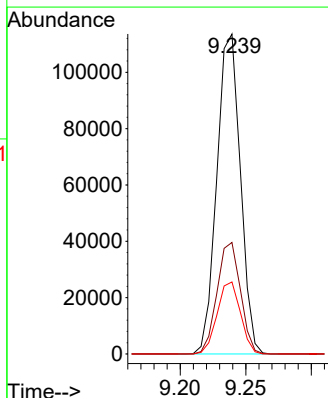
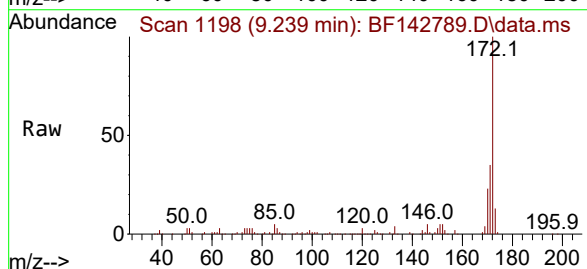
Tgt Ion:172 Resp: 141565

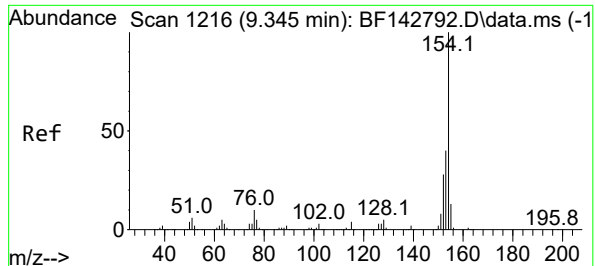
Ion Ratio Lower Upper

172 100

171 34.8 28.2 42.4

170 22.5 18.5 27.7





#46

1,1'-Biphenyl

Concen: 5.478 ng

RT: 9.339 min Scan# 1215

Delta R.T. -0.006 min

Lab File: BF142789.D

Acq: 19 Jun 2025 17:38

Instrument :

BNA_F

ClientSampleId :

SSTDICC005

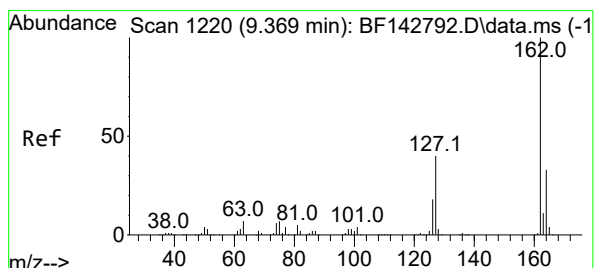
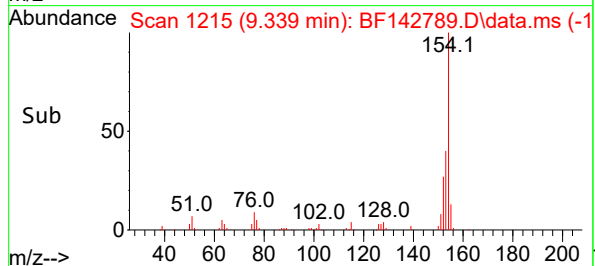
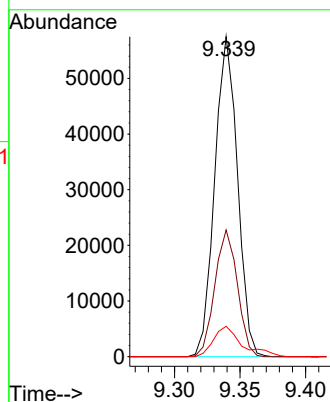
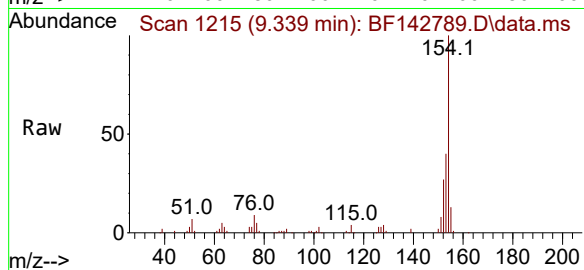
Tgt Ion:154 Resp: 69218

Ion Ratio Lower Upper

154 100

153 39.6 20.3 60.3

76 9.5 0.0 30.3



#47

2-Chloronaphthalene

Concen: 5.670 ng

RT: 9.363 min Scan# 1219

Delta R.T. -0.006 min

Lab File: BF142789.D

Acq: 19 Jun 2025 17:38

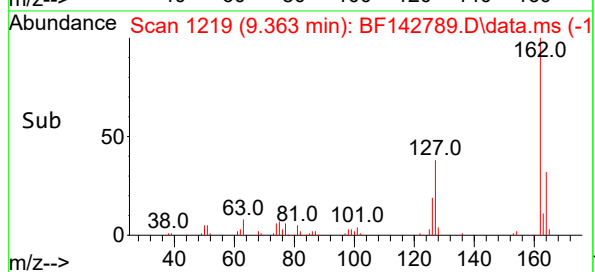
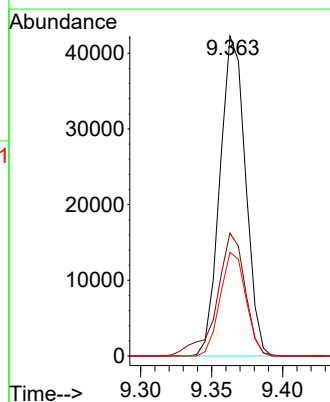
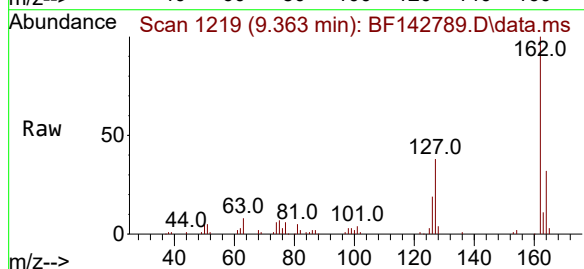
Tgt Ion:162 Resp: 52868

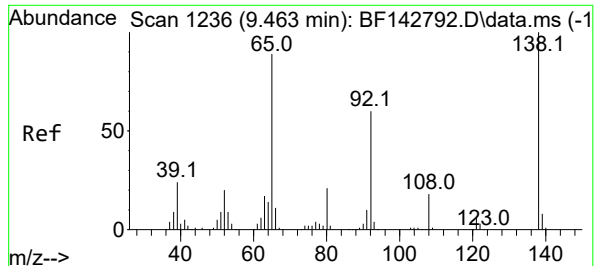
Ion Ratio Lower Upper

162 100

127 38.4 32.2 48.2

164 32.4 26.1 39.1

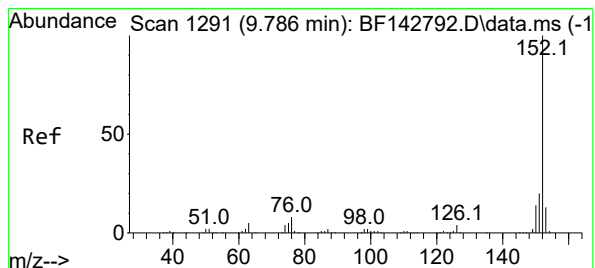
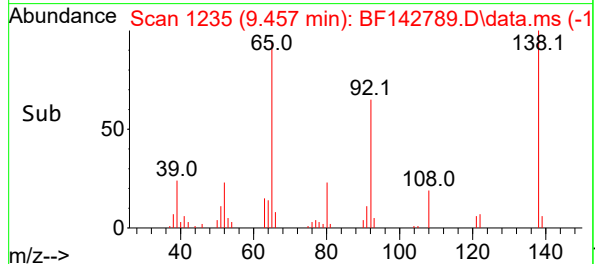
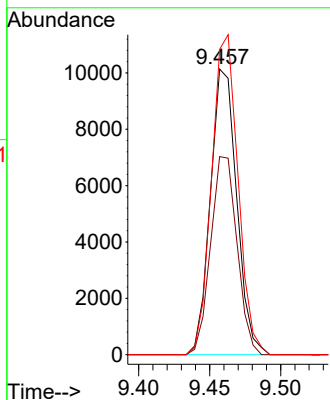
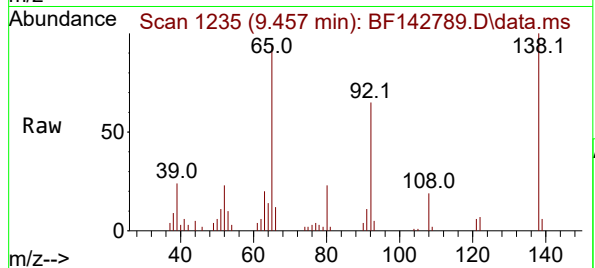




#48
2-Nitroaniline
Concen: 4.937 ng
RT: 9.457 min Scan# 1235
Delta R.T. -0.006 min
Lab File: BF142789.D
Acq: 19 Jun 2025 17:38

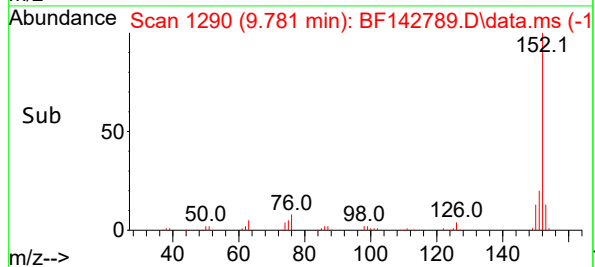
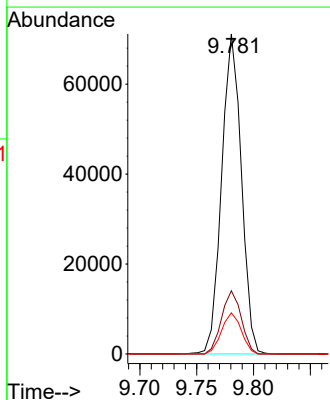
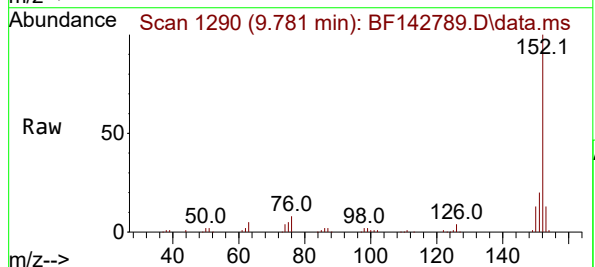
Instrument :
BNA_F
ClientSampleId :
SSTDICC005

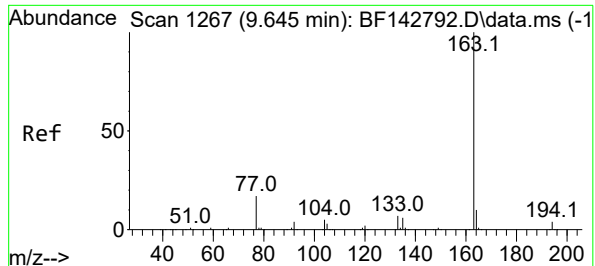
Tgt Ion: 65 Resp: 13076
Ion Ratio Lower Upper
65 100
92 69.4 53.8 80.6
138 106.9 89.6 134.4



#49
Acenaphthylene
Concen: 5.477 ng
RT: 9.781 min Scan# 1290
Delta R.T. -0.006 min
Lab File: BF142789.D
Acq: 19 Jun 2025 17:38

Tgt Ion: 152 Resp: 85856
Ion Ratio Lower Upper
152 100
151 19.7 16.1 24.1
153 12.8 10.4 15.6

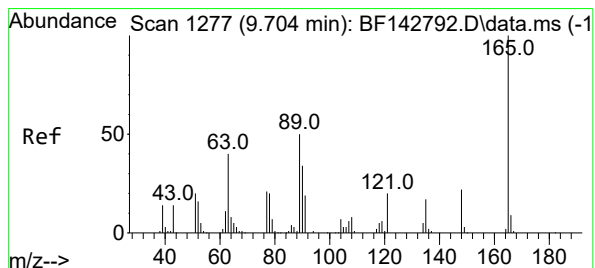
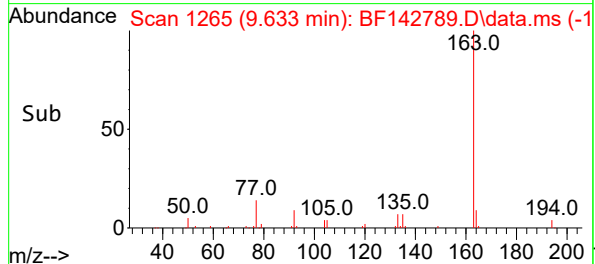
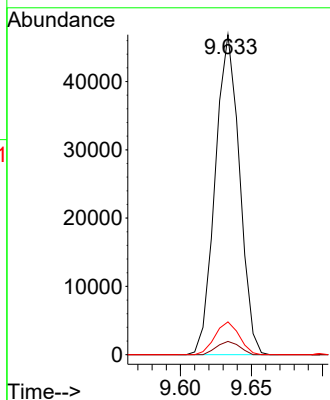
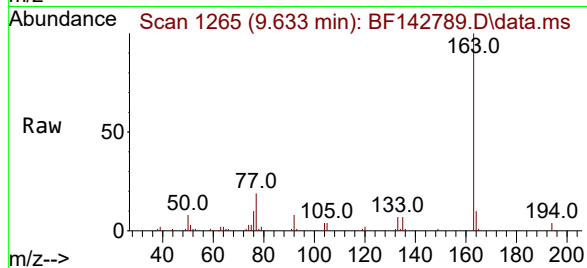




#50
Dimethylphthalate
Concen: 5.170 ng
RT: 9.633 min Scan# 1265
Delta R.T. -0.012 min
Lab File: BF142789.D
Acq: 19 Jun 2025 17:38

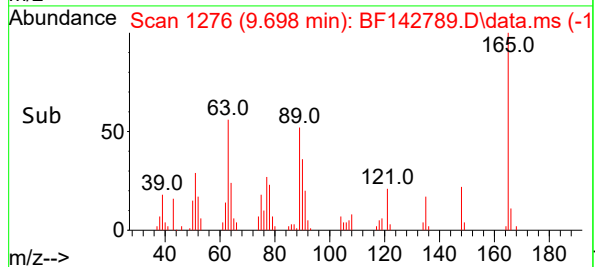
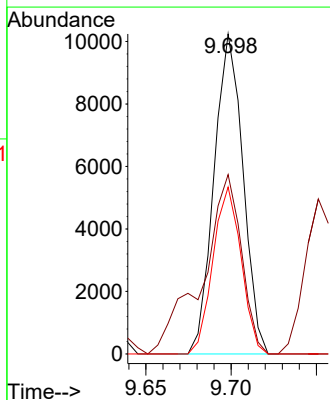
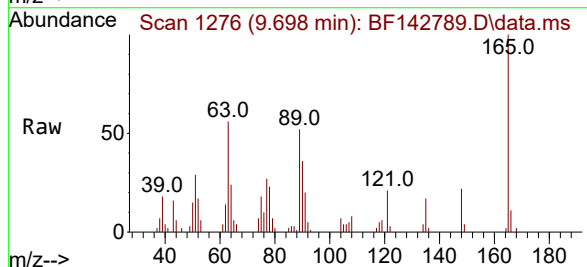
Instrument :
BNA_F
ClientSampleId :
SSTDICC005

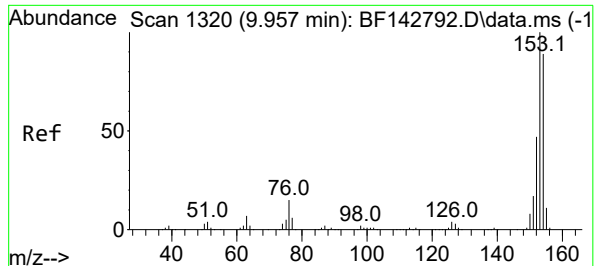
Tgt Ion:163 Resp: 55804
Ion Ratio Lower Upper
163 100
194 4.2 3.3 4.9
164 10.2 8.0 12.0



#51
2,6-Dinitrotoluene
Concen: 5.163 ng
RT: 9.698 min Scan# 1276
Delta R.T. -0.006 min
Lab File: BF142789.D
Acq: 19 Jun 2025 17:38

Tgt Ion:165 Resp: 12080
Ion Ratio Lower Upper
165 100
63 56.1 44.2 66.4
89 52.1 39.8 59.8





#52

Acenaphthene

Concen: 5.230 ng

RT: 9.951 min Scan# 1319

Delta R.T. -0.006 min

Lab File: BF142789.D

Acq: 19 Jun 2025 17:38

Instrument :

BNA_F

ClientSampleId :

SSTDICC005

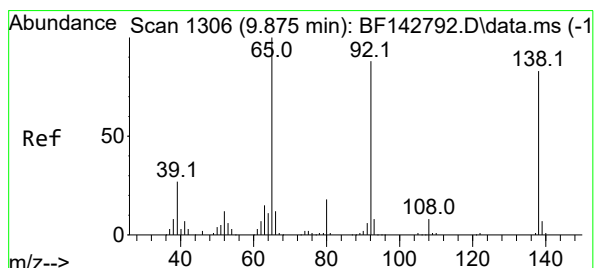
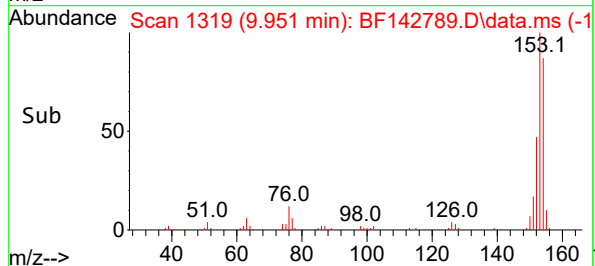
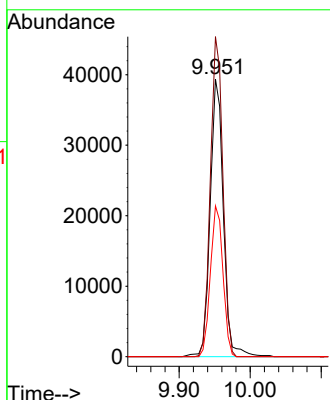
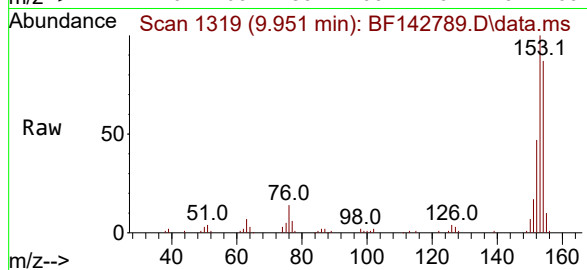
Tgt Ion:154 Resp: 50726

Ion Ratio Lower Upper

154 100

153 115.3 90.0 135.0

152 54.3 41.9 62.9



#53

3-Nitroaniline

Concen: 4.984 ng

RT: 9.869 min Scan# 1305

Delta R.T. -0.006 min

Lab File: BF142789.D

Acq: 19 Jun 2025 17:38

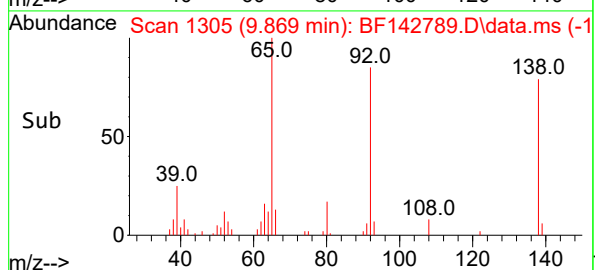
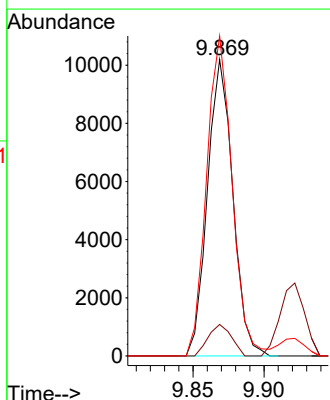
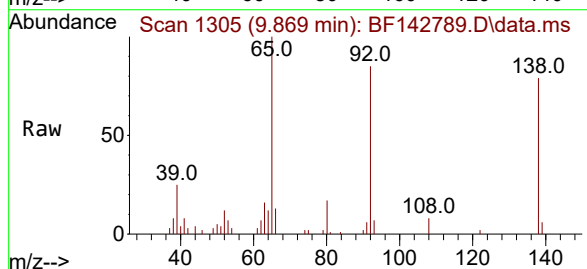
Tgt Ion:138 Resp: 12667

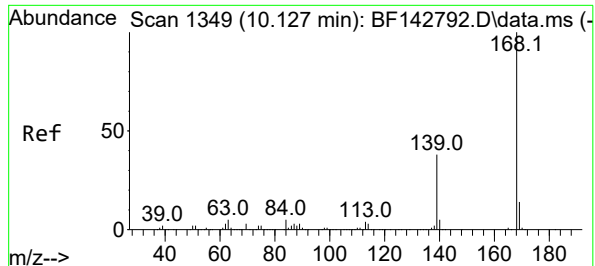
Ion Ratio Lower Upper

138 100

108 10.7 8.1 12.1

92 108.0 85.1 127.7





#55

Dibenzenofuran

Concen: 5.420 ng

RT: 10.122 min Scan# 1

Delta R.T. -0.006 min

Lab File: BF142789.D

Acq: 19 Jun 2025 17:38

Instrument :

BNA_F

ClientSampleId :

SSTDICC005

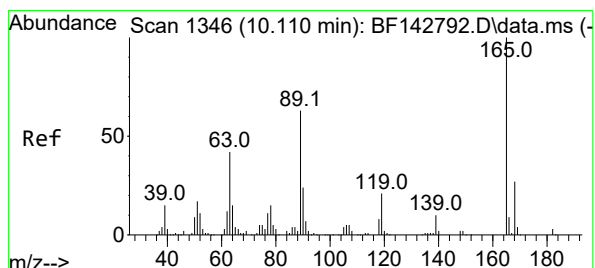
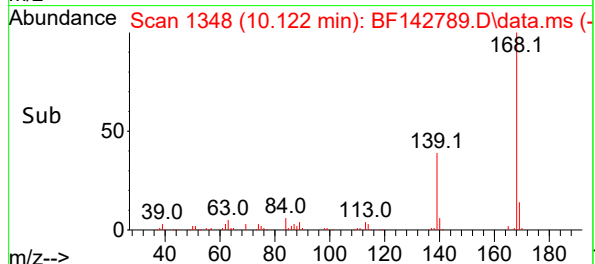
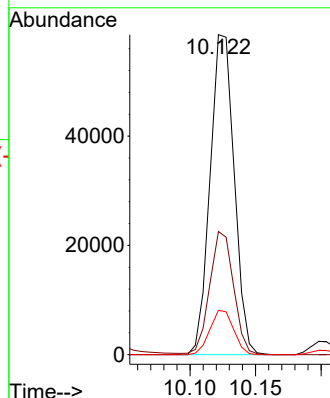
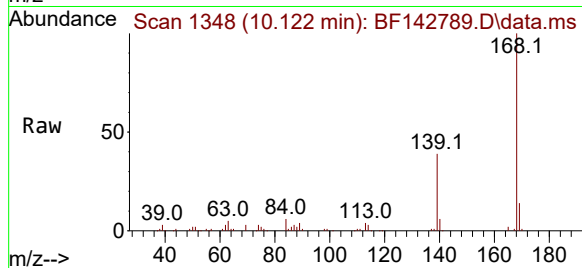
Tgt Ion:168 Resp: 74998

Ion Ratio Lower Upper

168 100

139 38.5 30.2 45.4

169 13.8 10.8 16.2



#57

2,4-Dinitrotoluene

Concen: 4.904 ng

RT: 10.104 min Scan# 1345

Delta R.T. -0.006 min

Lab File: BF142789.D

Acq: 19 Jun 2025 17:38

Tgt Ion:165 Resp: 15173

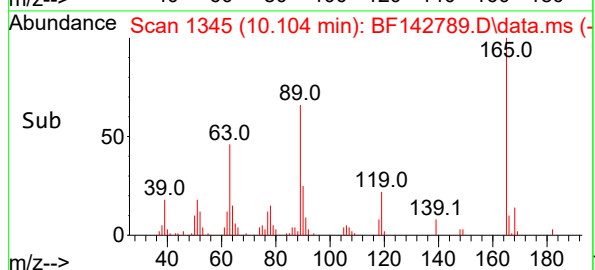
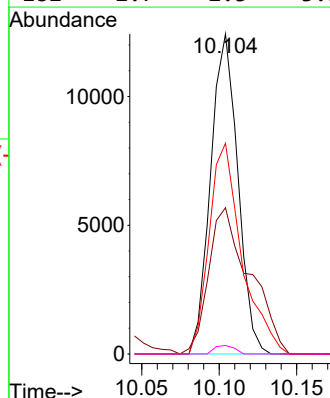
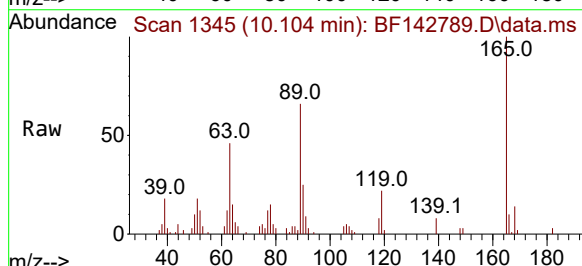
Ion Ratio Lower Upper

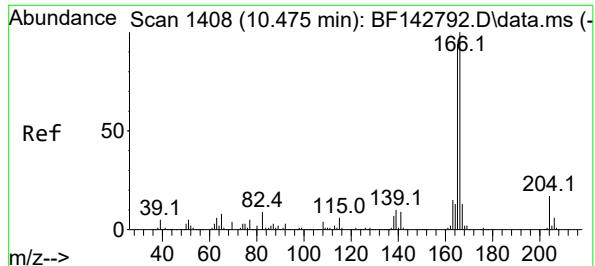
165 100

63 45.7 33.9 50.9

89 65.9 50.6 75.8

182 2.7 2.3 3.5

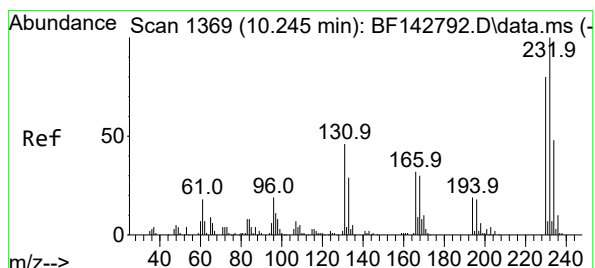
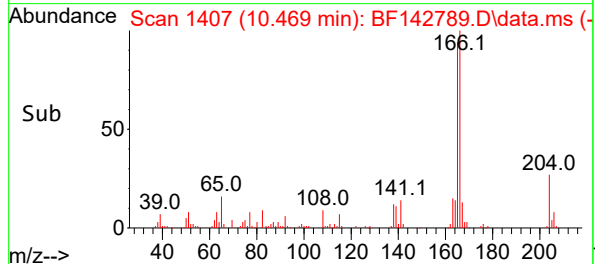
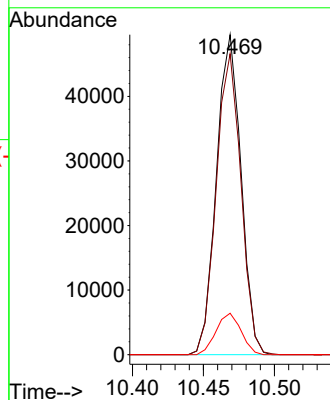
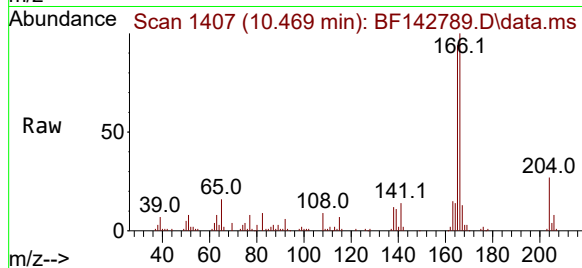




#58
Fluorene
Concen: 5.453 ng
RT: 10.469 min Scan# 1408
Delta R.T. -0.006 min
Lab File: BF142789.D
Acq: 19 Jun 2025 17:38

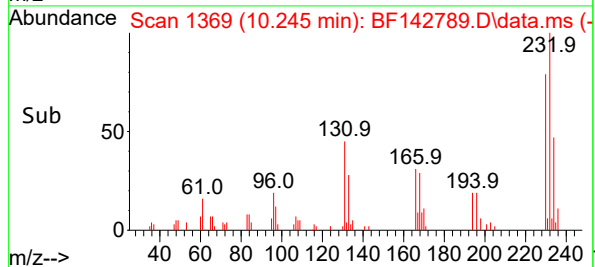
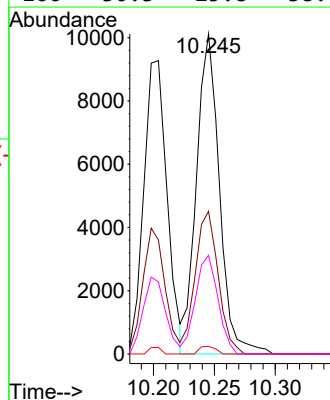
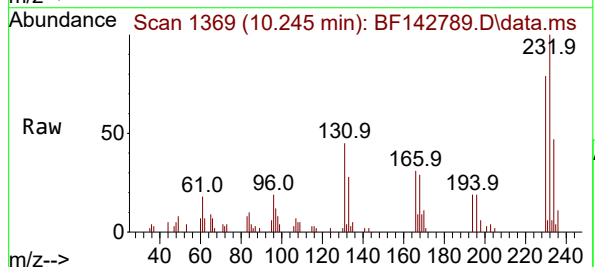
Instrument :
BNA_F
ClientSampleId :
SSTDICC005

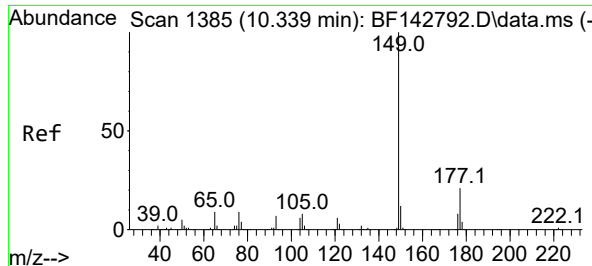
Tgt Ion:166 Resp: 59558
Ion Ratio Lower Upper
166 100
165 94.0 75.2 112.8
167 13.0 10.6 15.8



#59
2,3,4,6-Tetrachlorophenol
Concen: 4.827 ng
RT: 10.245 min Scan# 1369
Delta R.T. 0.000 min
Lab File: BF142789.D
Acq: 19 Jun 2025 17:38

Tgt Ion:232 Resp: 13285
Ion Ratio Lower Upper
232 100
131 44.7 37.6 56.4
130 1.7 1.7 2.5#
166 30.3 25.8 38.6

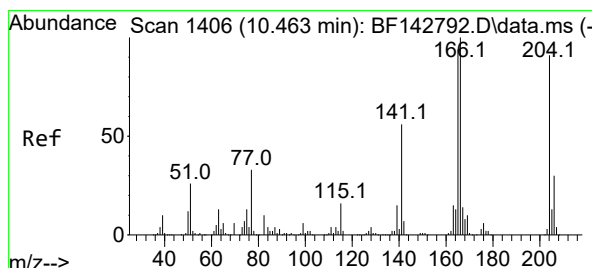
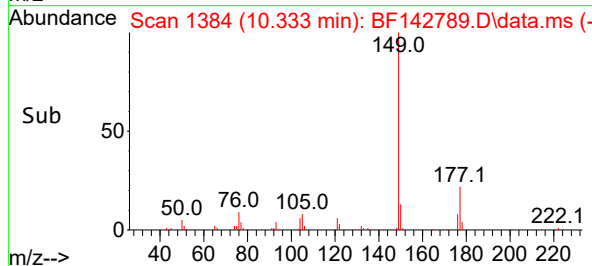
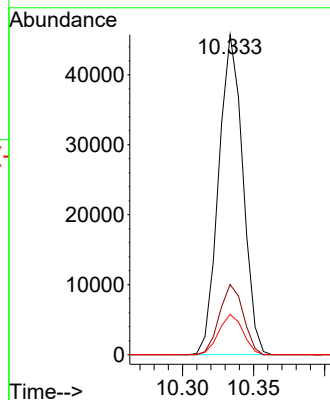
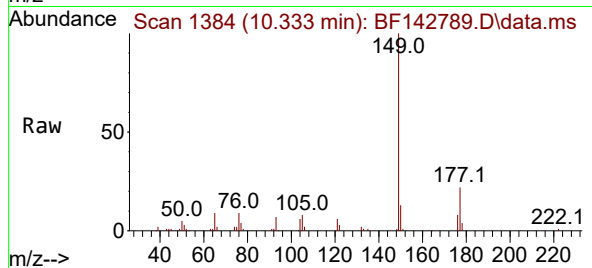




#60
Diethylphthalate
Concen: 5.040 ng
RT: 10.333 min Scan# 11
Delta R.T. -0.006 min
Lab File: BF142789.D
Acq: 19 Jun 2025 17:38

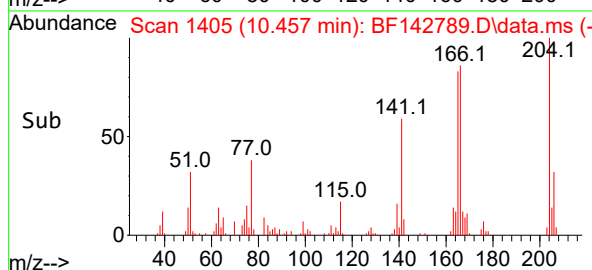
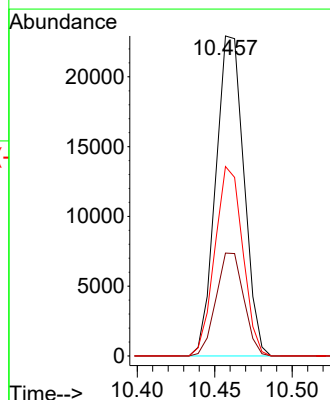
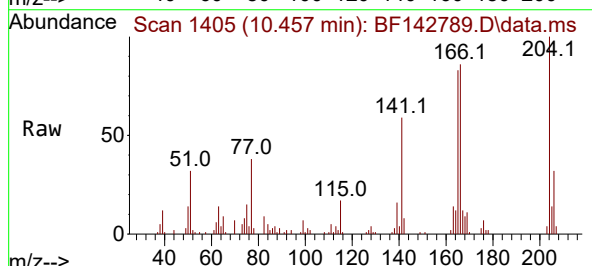
Instrument :
BNA_F
ClientSampleId :
SSTDICC005

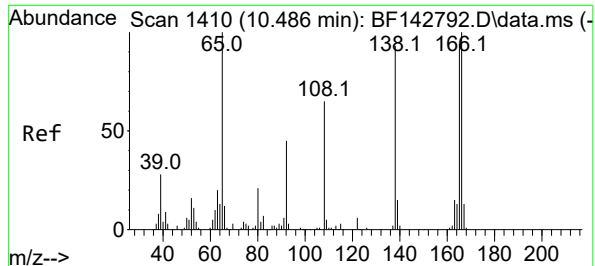
Tgt Ion	Ratio	Lower	Upper
149	100		
177	21.9	17.0	25.6
150	12.6	9.8	14.6



#61
4-Chlorophenyl-phenylether
Concen: 5.469 ng
RT: 10.457 min Scan# 1405
Delta R.T. -0.006 min
Lab File: BF142789.D
Acq: 19 Jun 2025 17:38

Tgt Ion	Ratio	Lower	Upper
204	100		
206	32.2	26.3	39.5
141	59.2	49.1	73.7





#62

4-Nitroaniline

Concen: 4.971 ng

RT: 10.475 min Scan# 1408

Delta R.T. -0.012 min

Lab File: BF142789.D

Acq: 19 Jun 2025 17:38

Instrument :

BNA_F

ClientSampleId :

SSTDICC005

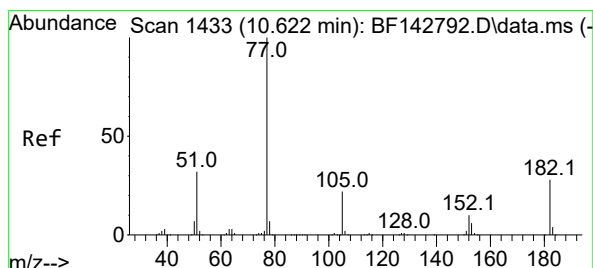
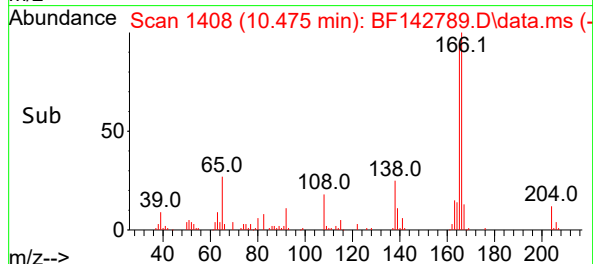
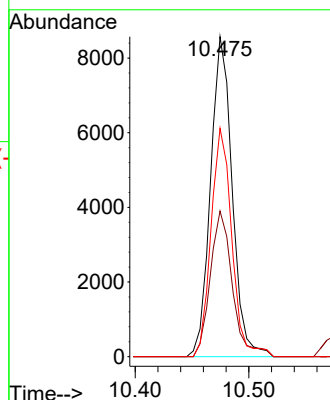
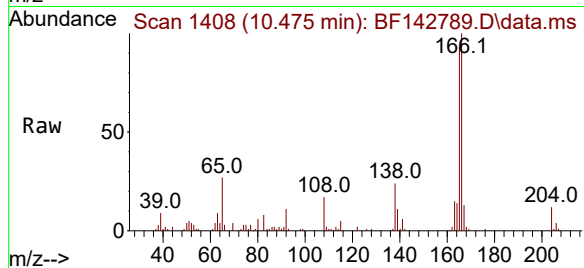
Tgt Ion:138 Resp: 11342

Ion Ratio Lower Upper

138 100

92 45.5 28.4 68.4

108 71.3 50.2 90.2



#63

Azobenzene

Concen: 5.276 ng

RT: 10.616 min Scan# 1432

Delta R.T. -0.006 min

Lab File: BF142789.D

Acq: 19 Jun 2025 17:38

Tgt Ion: 77 Resp: 49436

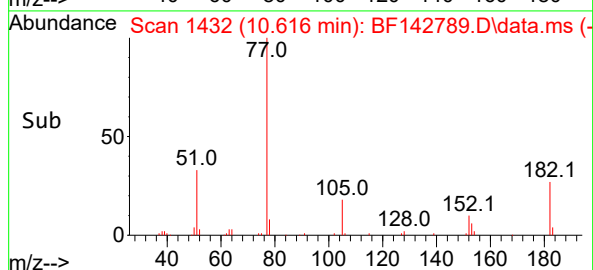
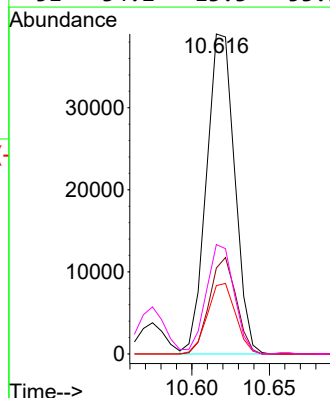
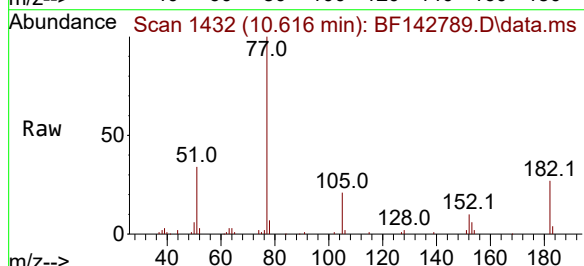
Ion Ratio Lower Upper

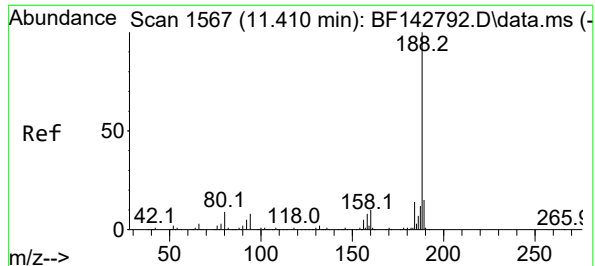
77 100

182 26.8 7.7 47.7

105 21.4 1.9 41.9

51 34.2 13.3 53.3

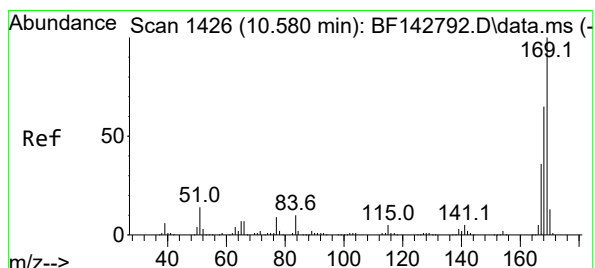
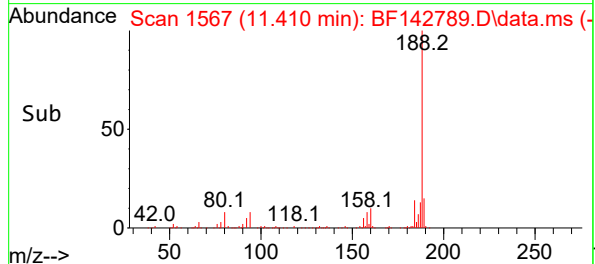
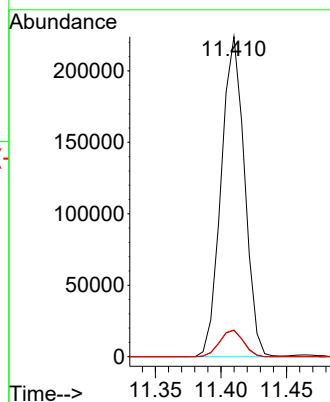
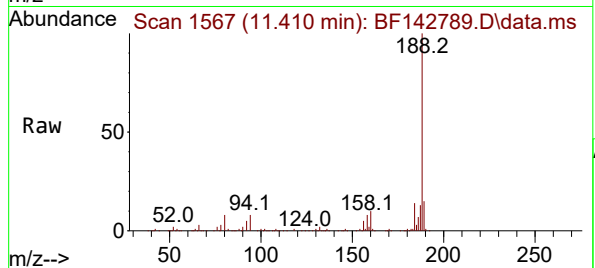




#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.410 min Scan# 11
Delta R.T. 0.000 min
Lab File: BF142789.D
Acq: 19 Jun 2025 17:38

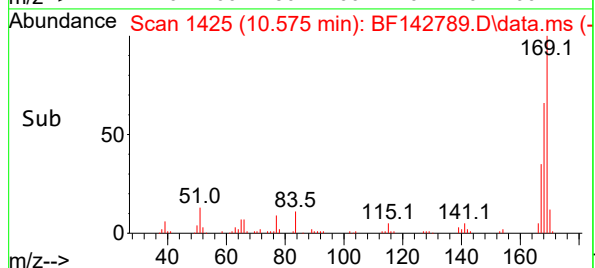
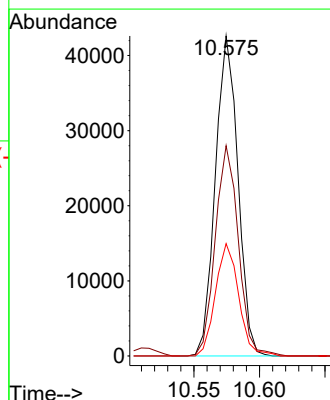
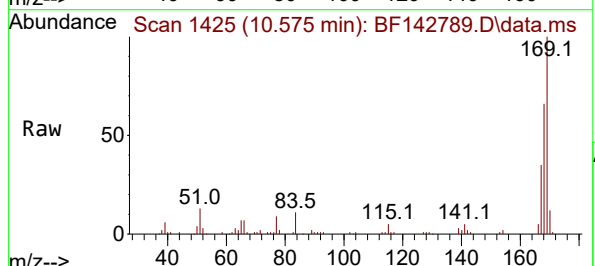
Instrument :
BNA_F
ClientSampleId :
SSTDICC005

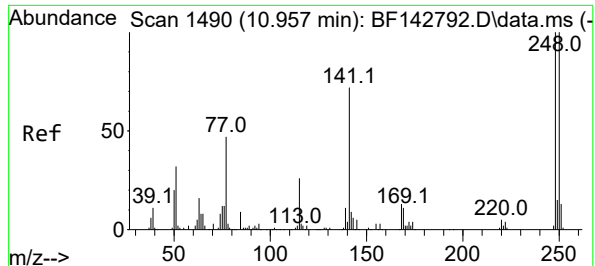
Tgt Ion:188 Resp: 277233
Ion Ratio Lower Upper
188 100
94 8.2 6.7 10.1
80 8.3 6.9 10.3



#66
n-Nitrosodiphenylamine
Concen: 5.356 ng
RT: 10.575 min Scan# 1425
Delta R.T. -0.006 min
Lab File: BF142789.D
Acq: 19 Jun 2025 17:38

Tgt Ion:169 Resp: 51021
Ion Ratio Lower Upper
169 100
168 65.7 51.9 77.9
167 35.1 28.5 42.7

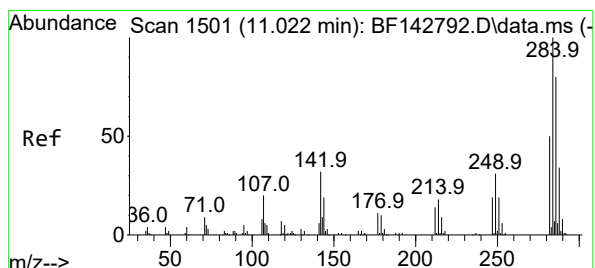
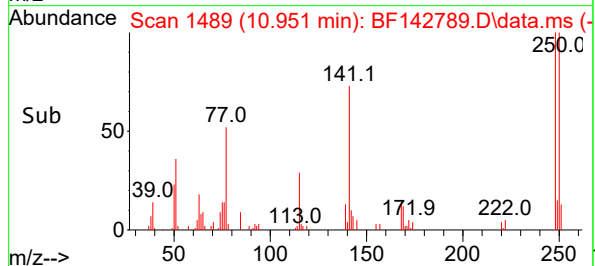
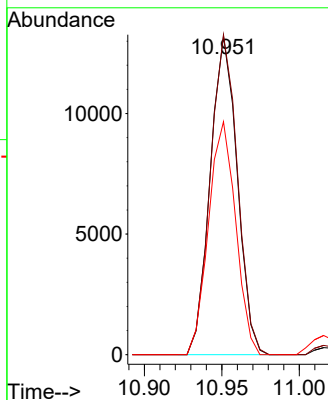
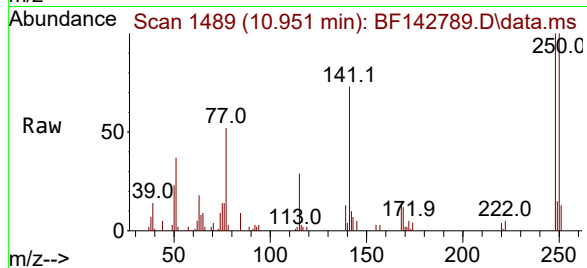




#67
4-Bromophenyl-phenylether
Concen: 4.927 ng
RT: 10.951 min Scan# 1490
Delta R.T. -0.006 min
Lab File: BF142789.D
Acq: 19 Jun 2025 17:38

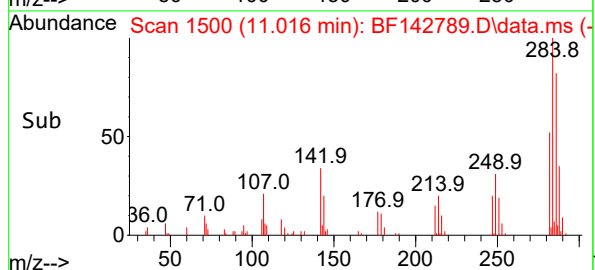
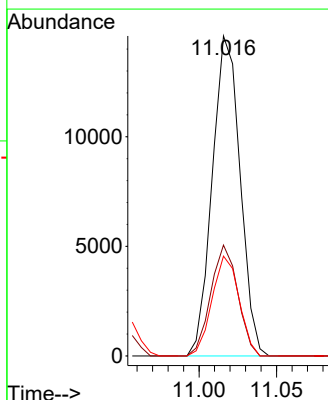
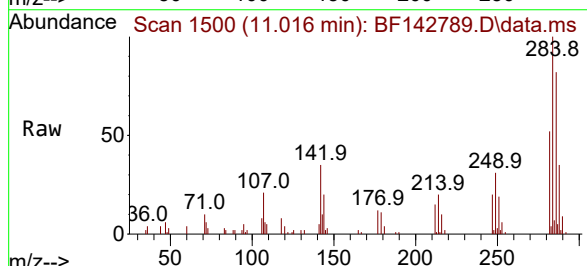
Instrument :
BNA_F
ClientSampleId :
SSTDICC005

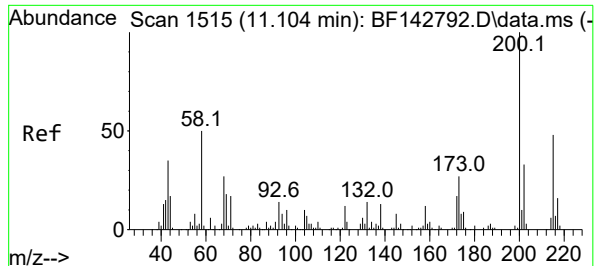
Tgt Ion:248 Resp: 15996
Ion Ratio Lower Upper
248 100
250 100.4 79.8 119.8
141 73.1 57.8 86.6



#68
Hexachlorobenzene
Concen: 5.059 ng
RT: 11.016 min Scan# 1500
Delta R.T. -0.006 min
Lab File: BF142789.D
Acq: 19 Jun 2025 17:38

Tgt Ion:284 Resp: 18237
Ion Ratio Lower Upper
284 100
142 34.6 25.5 38.3
249 31.2 24.9 37.3





#69

Atrazine

Concen: 4.832 ng

RT: 11.098 min Scan# 1

Delta R.T. -0.006 min

Lab File: BF142789.D

Acq: 19 Jun 2025 17:38

Instrument :

BNA_F

ClientSampleId :

SSTDICC005

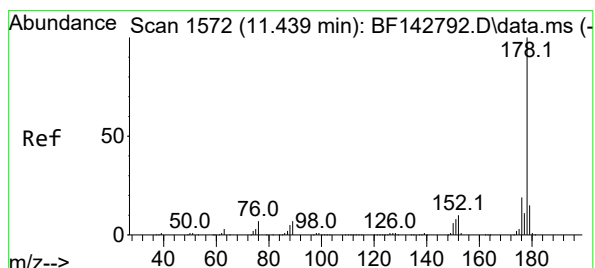
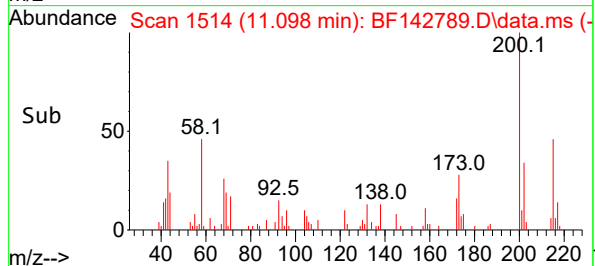
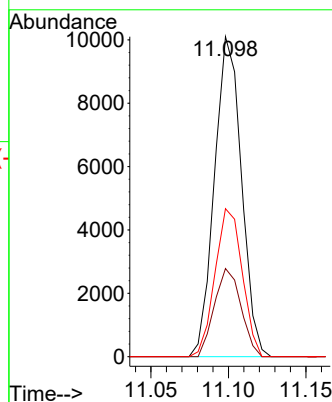
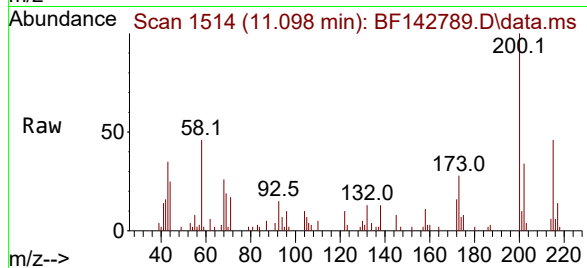
Tgt Ion:200 Resp: 12221

Ion Ratio Lower Upper

200 100

173 27.6 7.4 47.4

215 46.2 28.4 68.4



#71

Phenanthrene

Concen: 5.522 ng

RT: 11.433 min Scan# 1571

Delta R.T. -0.006 min

Lab File: BF142789.D

Acq: 19 Jun 2025 17:38

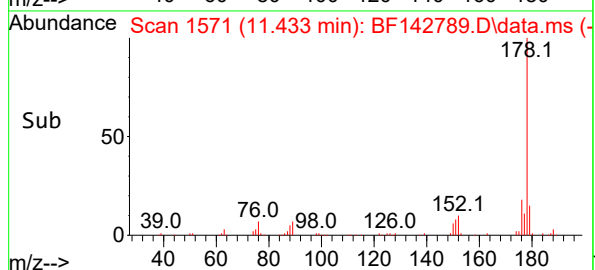
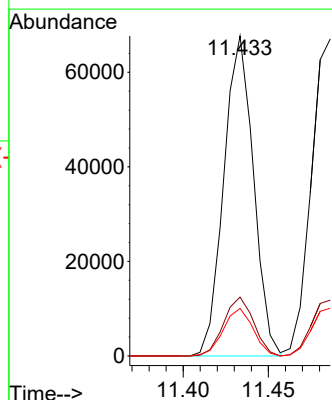
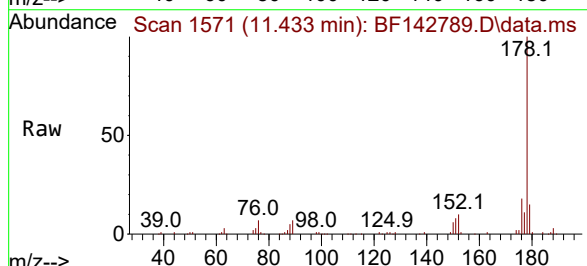
Tgt Ion:178 Resp: 81962

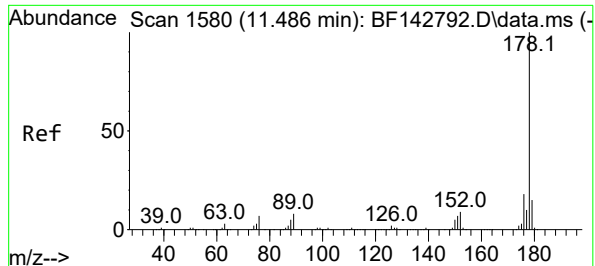
Ion Ratio Lower Upper

178 100

176 18.4 15.1 22.7

179 14.8 12.0 18.0

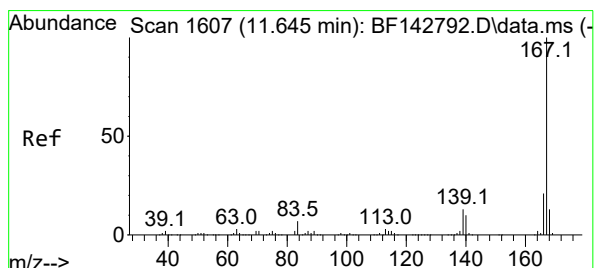
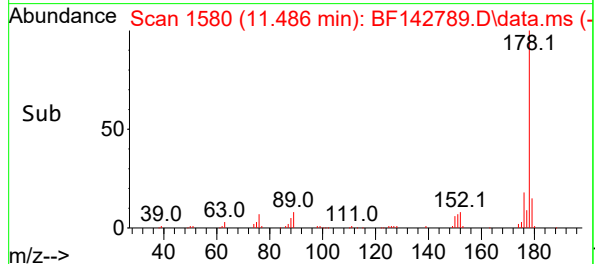
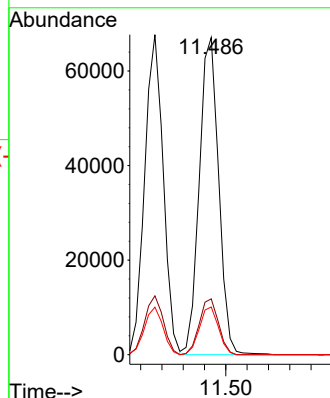
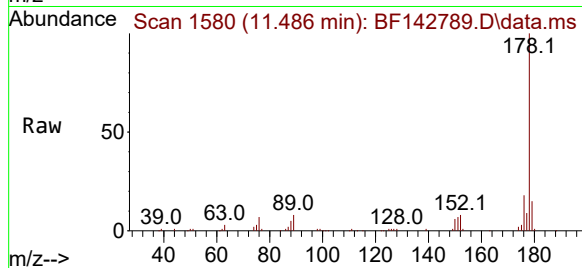




#72
Anthracene
Concen: 5.529 ng
RT: 11.486 min Scan# 11
Delta R.T. 0.000 min
Lab File: BF142789.D
Acq: 19 Jun 2025 17:38

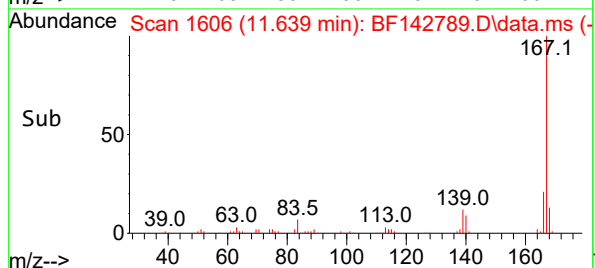
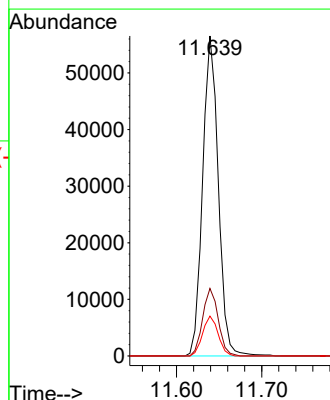
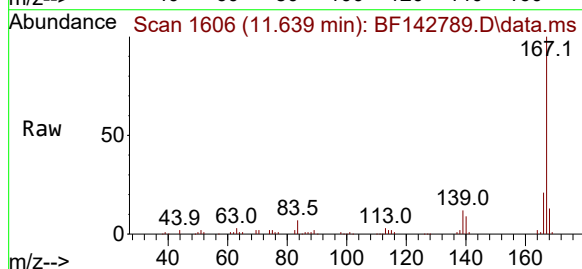
Instrument :
BNA_F
ClientSampleId :
SSTDICC005

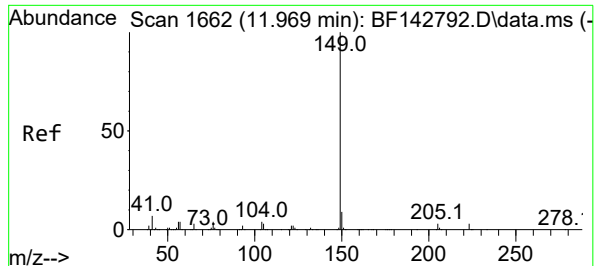
Tgt Ion:178 Resp: 84944
Ion Ratio Lower Upper
178 100
176 17.6 14.6 21.8
179 15.1 12.4 18.6



#73
Carbazole
Concen: 5.601 ng
RT: 11.639 min Scan# 1606
Delta R.T. -0.006 min
Lab File: BF142789.D
Acq: 19 Jun 2025 17:38

Tgt Ion:167 Resp: 72067
Ion Ratio Lower Upper
167 100
166 21.1 17.0 25.4
139 12.5 10.2 15.2

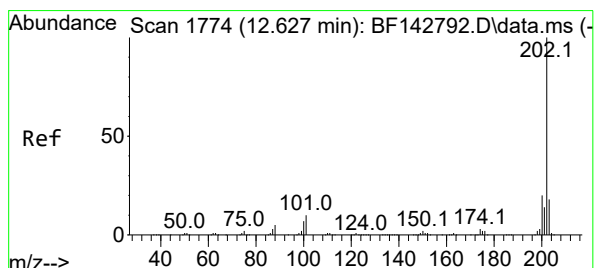
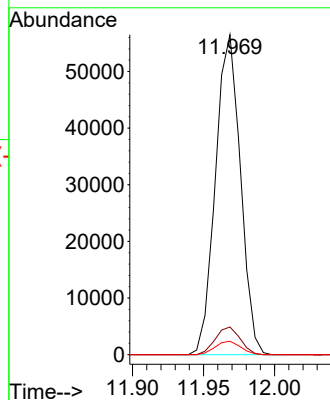
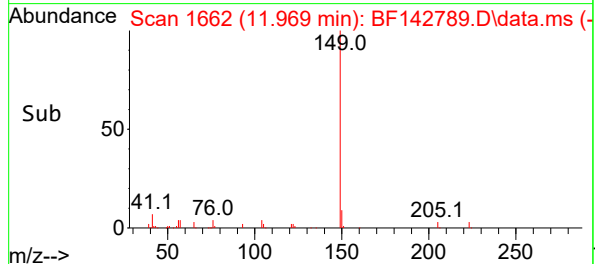
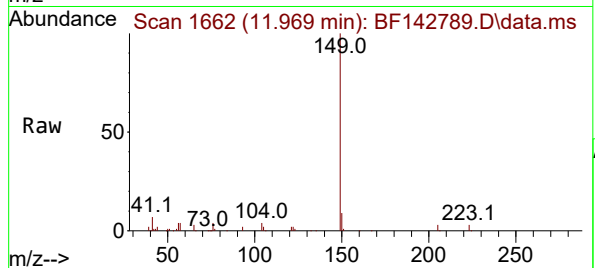




#74
Di-n-butylphthalate
Concen: 4.850 ng
RT: 11.969 min Scan# 1662
Delta R.T. 0.000 min
Lab File: BF142789.D
Acq: 19 Jun 2025 17:38

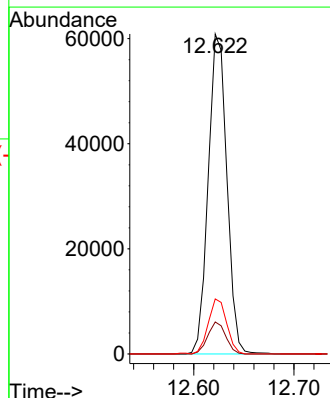
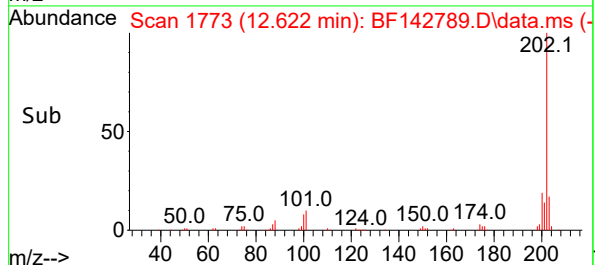
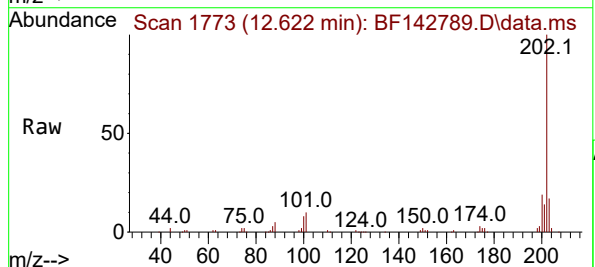
Instrument :
BNA_F
ClientSampleId :
SSTDICC005

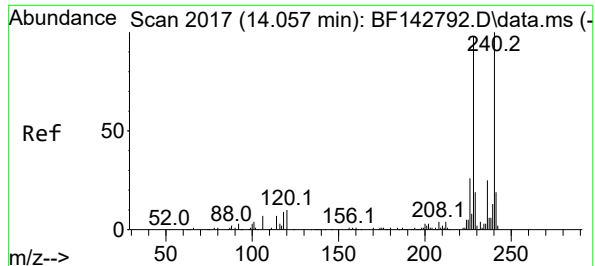
Tgt Ion:149 Resp: 69083
Ion Ratio Lower Upper
149 100
150 8.7 7.4 11.0
104 4.2 3.5 5.3



#75
Fluoranthene
Concen: 5.582 ng
RT: 12.622 min Scan# 1773
Delta R.T. -0.006 min
Lab File: BF142789.D
Acq: 19 Jun 2025 17:38

Tgt Ion:202 Resp: 78721
Ion Ratio Lower Upper
202 100
101 10.0 0.0 29.7
203 17.2 0.0 37.5

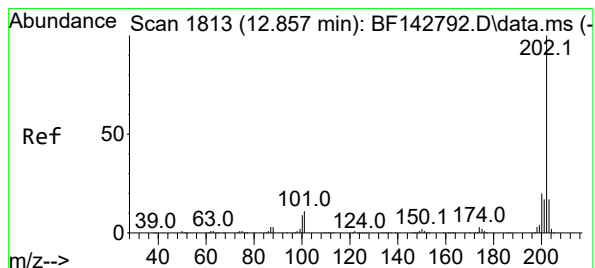
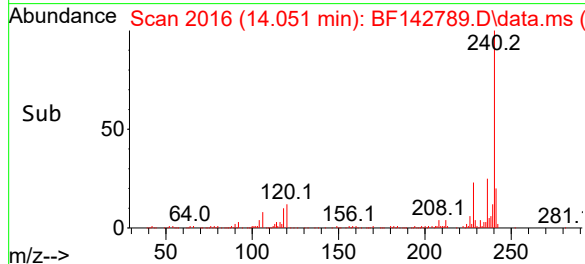
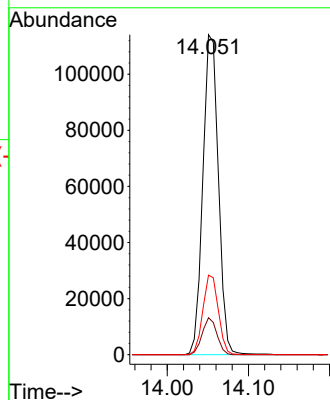
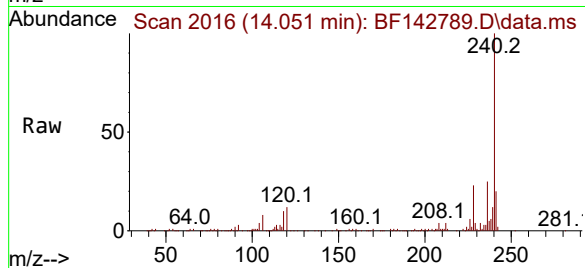




#76
Chrysene-d12
Concen: 20.000 ng
RT: 14.051 min Scan# 20
Delta R.T. -0.006 min
Lab File: BF142789.D
Acq: 19 Jun 2025 17:38

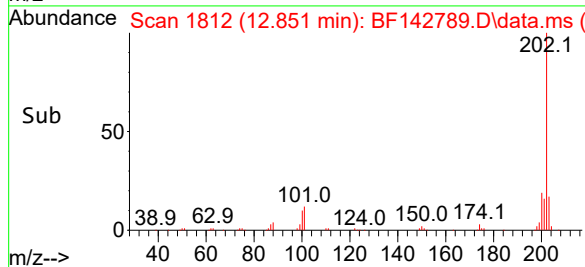
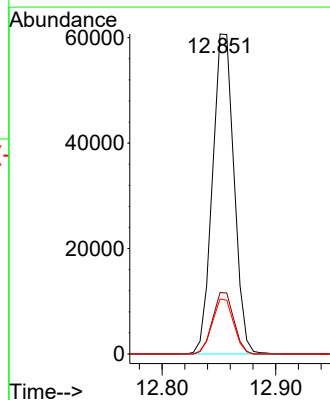
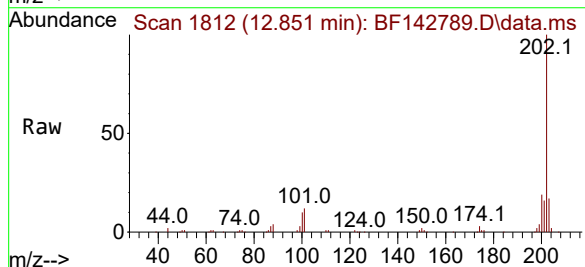
Instrument :
BNA_F
ClientSampleId :
SSTDICC005

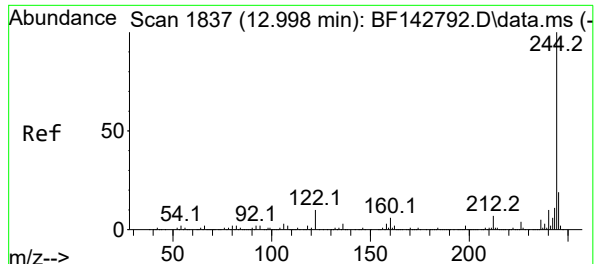
Tgt Ion:240 Resp: 151689
Ion Ratio Lower Upper
240 100
120 11.5 8.2 12.2
236 24.9 19.8 29.8



#78
Pyrene
Concen: 5.739 ng
RT: 12.851 min Scan# 1812
Delta R.T. -0.006 min
Lab File: BF142789.D
Acq: 19 Jun 2025 17:38

Tgt Ion:202 Resp: 80026
Ion Ratio Lower Upper
202 100
200 19.2 15.7 23.5
203 17.2 13.8 20.6





#79

Terphenyl-d14

Concen: 11.771 ng

RT: 12.992 min Scan# 1836

Delta R.T. -0.006 min

Lab File: BF142789.D

Acq: 19 Jun 2025 17:38

Instrument :

BNA_F

ClientSampleId :

SSTDICC005

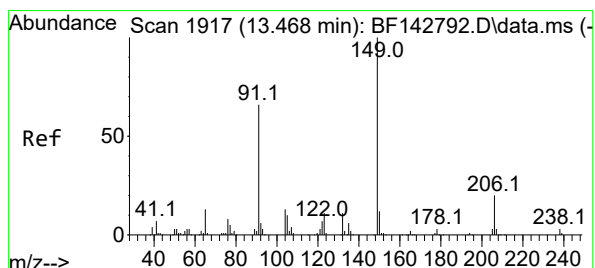
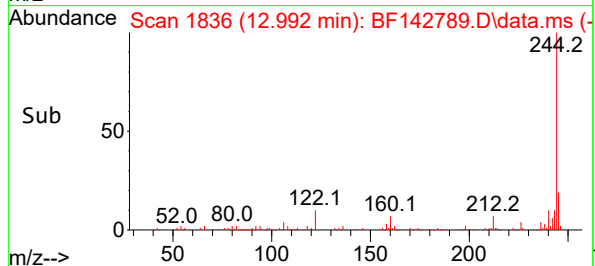
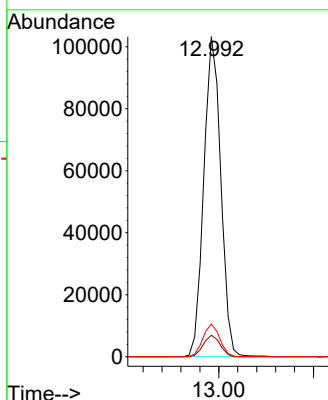
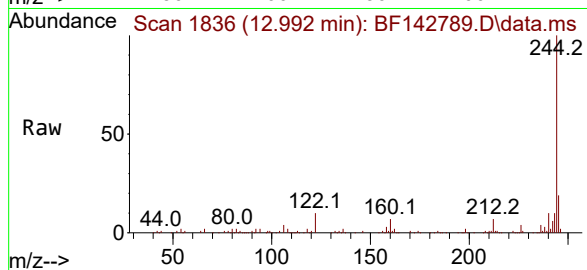
Tgt Ion:244 Resp: 128289

Ion Ratio Lower Upper

244 100

212 6.7 5.4 8.0

122 10.2 8.2 12.2



#80

Butylbenzylphthalate

Concen: 4.383 ng

RT: 13.469 min Scan# 1917

Delta R.T. 0.000 min

Lab File: BF142789.D

Acq: 19 Jun 2025 17:38

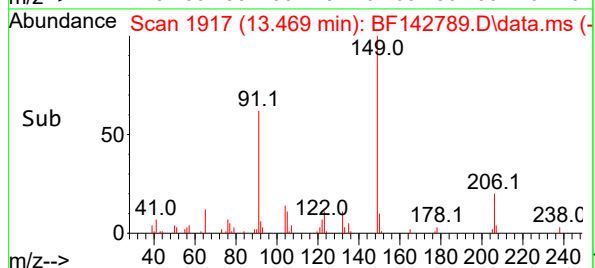
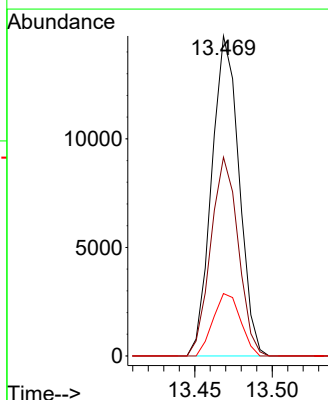
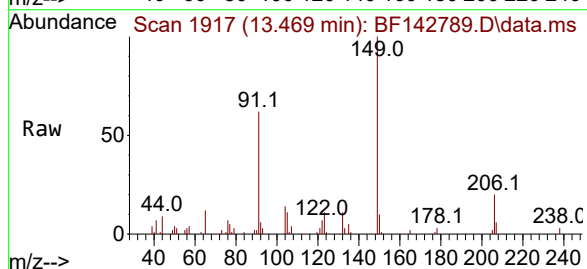
Tgt Ion:149 Resp: 18113

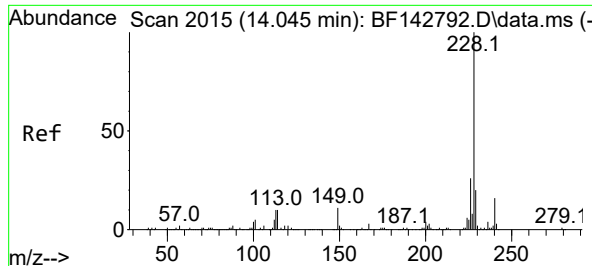
Ion Ratio Lower Upper

149 100

91 62.1 52.9 79.3

206 19.5 16.3 24.5

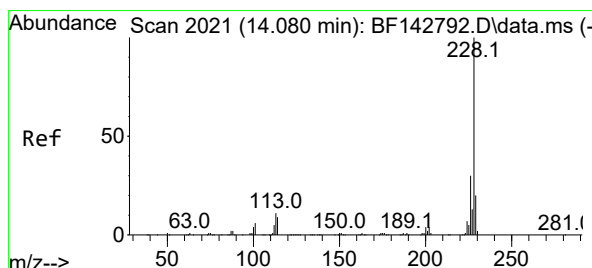
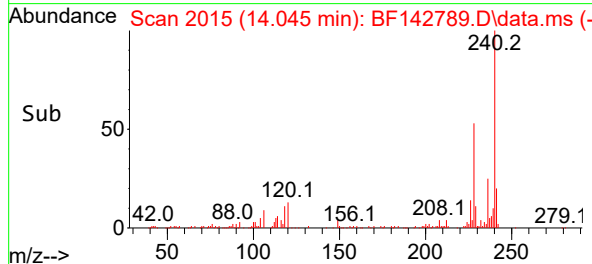
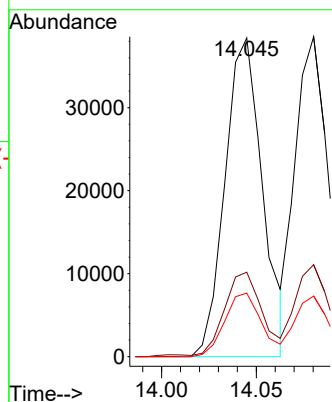
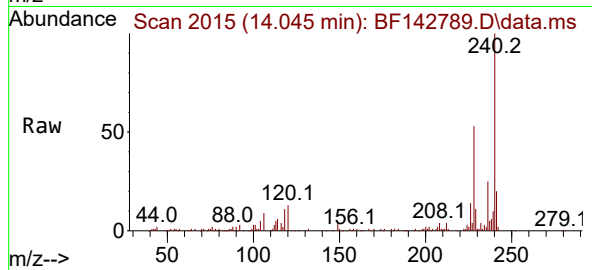




#81
Benzo(a)anthracene
Concen: 5.300 ng
RT: 14.045 min Scan# 2015
Delta R.T. 0.000 min
Lab File: BF142789.D
Acq: 19 Jun 2025 17:38

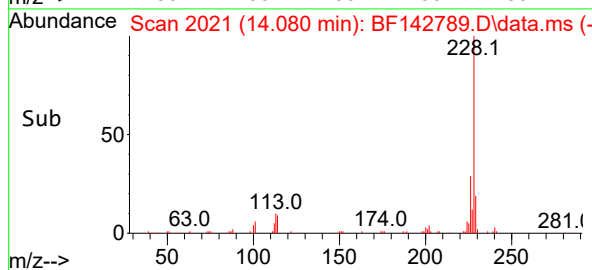
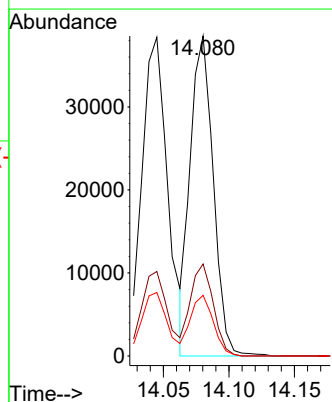
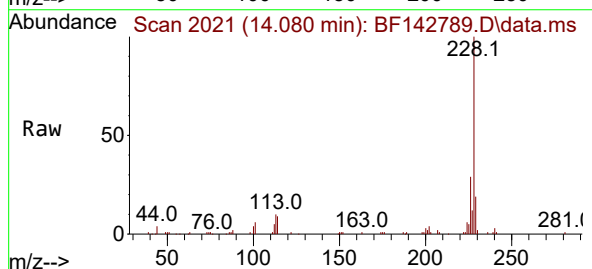
Instrument :
BNA_F
ClientSampleId :
SSTDICC005

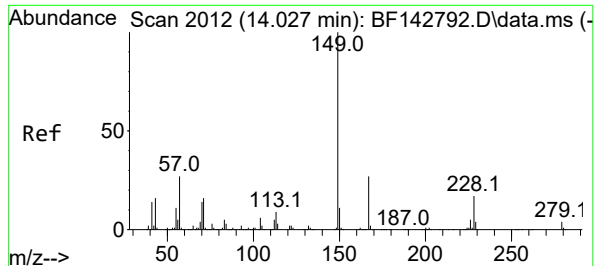
Tgt Ion:228 Resp: 52785
Ion Ratio Lower Upper
228 100
226 26.5 21.2 31.8
229 19.9 15.6 23.4



#83
Chrysene
Concen: 5.084 ng
RT: 14.080 min Scan# 2021
Delta R.T. 0.000 min
Lab File: BF142789.D
Acq: 19 Jun 2025 17:38

Tgt Ion:228 Resp: 47142
Ion Ratio Lower Upper
228 100
226 28.7 23.7 35.5
229 18.9 15.7 23.5

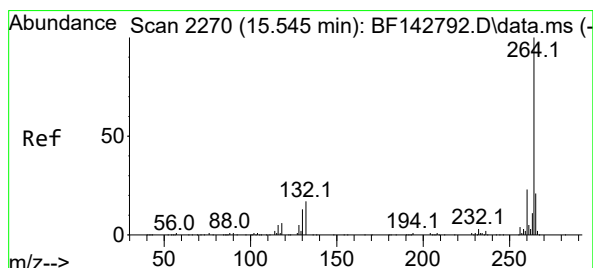
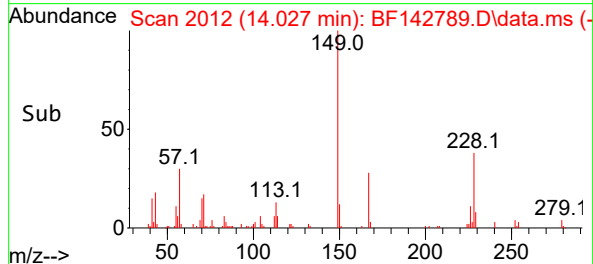
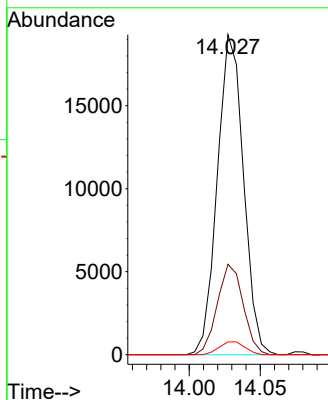
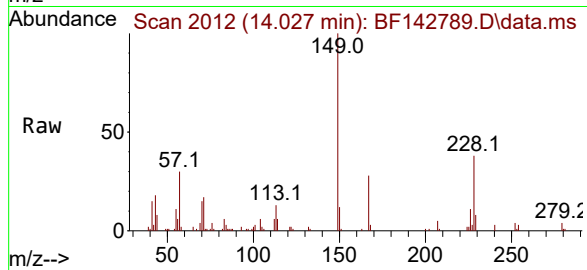




#84
Bis(2-ethylhexyl)phthalate
Concen: 4.002 ng
RT: 14.027 min Scan# 2012
Delta R.T. 0.000 min
Lab File: BF142789.D
Acq: 19 Jun 2025 17:38

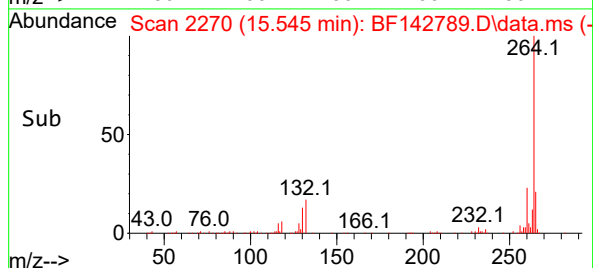
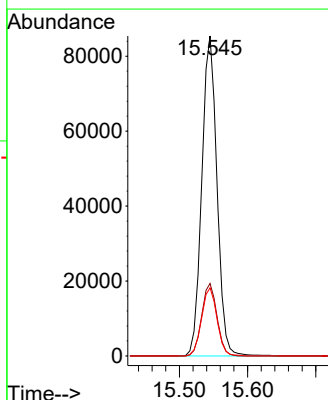
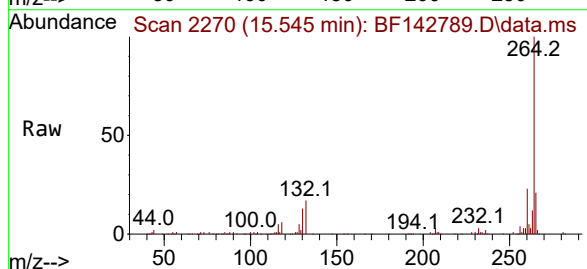
Instrument :
BNA_F
ClientSampleId :
SSTDICC005

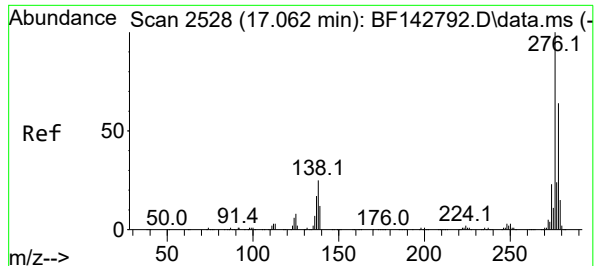
Tgt Ion	Ratio	Lower	Upper
149	100		
167	28.3	21.4	32.0
279	4.0	3.0	4.6



#86
Perylene-d12
Concen: 20.000 ng
RT: 15.545 min Scan# 2270
Delta R.T. 0.000 min
Lab File: BF142789.D
Acq: 19 Jun 2025 17:38

Tgt Ion	Ratio	Lower	Upper
264	100		
260	22.7	18.1	27.1
265	21.3	16.6	25.0





#87

Indeno(1,2,3-cd)pyrene

Concen: 5.168 ng

RT: 17.045 min Scan# 2195

Delta R.T. -0.018 min

Lab File: BF142789.D

Acq: 19 Jun 2025 17:38

Instrument :

BNA_F

ClientSampleId :

SSTDICC005

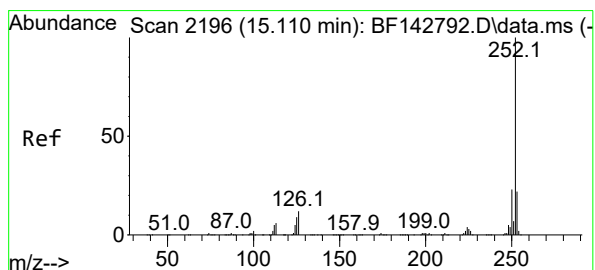
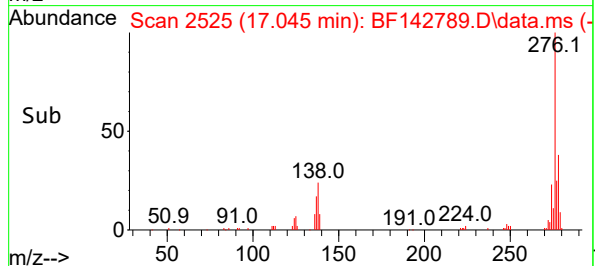
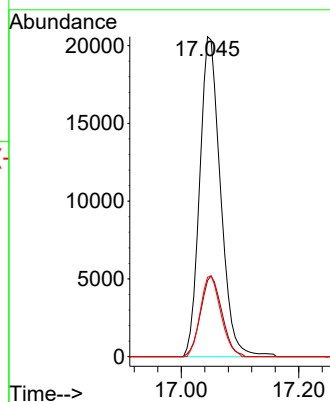
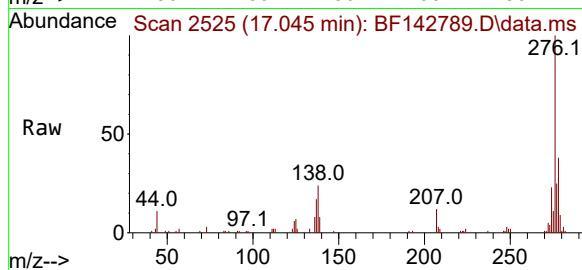
Tgt Ion:276 Resp: 50546

Ion Ratio Lower Upper

276 100

138 25.7 20.2 30.4

277 24.9 19.8 29.6



#88

Benzo(b)fluoranthene

Concen: 4.996 ng

RT: 15.104 min Scan# 2195

Delta R.T. -0.006 min

Lab File: BF142789.D

Acq: 19 Jun 2025 17:38

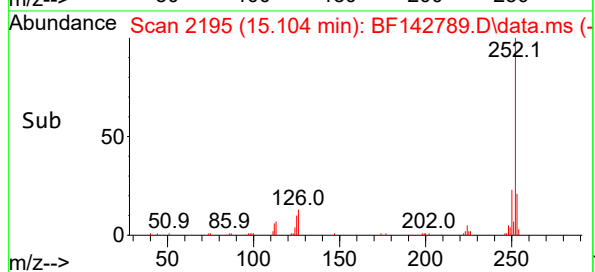
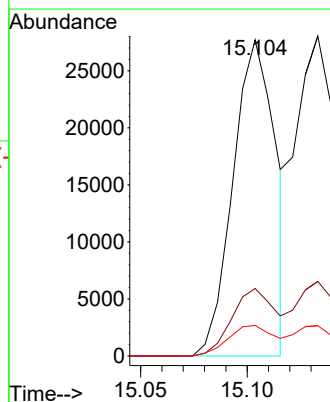
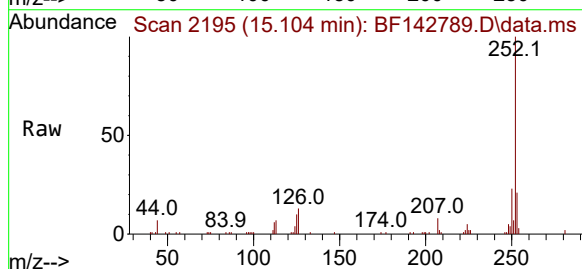
Tgt Ion:252 Resp: 38493

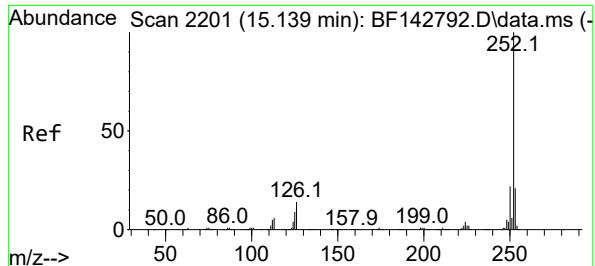
Ion Ratio Lower Upper

252 100

253 21.3 17.5 26.3

125 9.7 7.4 11.0





#89

Benzo(k)fluoranthene

Concen: 5.302 ng

RT: 15.133 min Scan# 21

Delta R.T. -0.006 min

Lab File: BF142789.D

Acq: 19 Jun 2025 17:38

Instrument :

BNA_F

ClientSampleId :

SSTDICC005

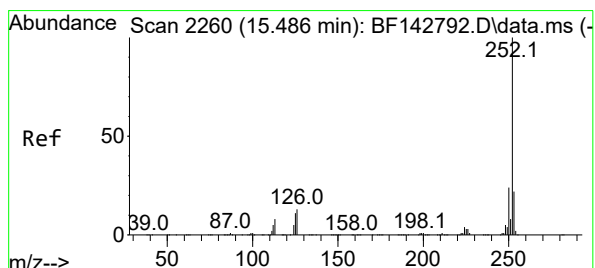
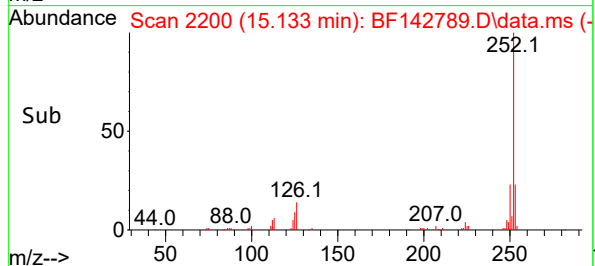
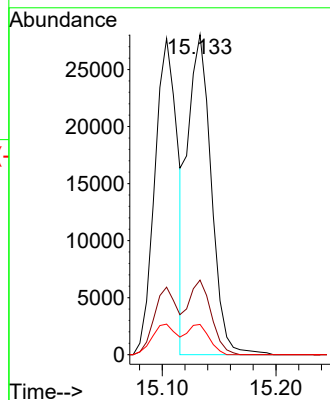
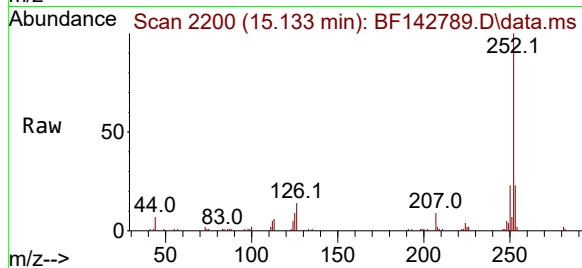
Tgt Ion:252 Resp: 39874

Ion Ratio Lower Upper

252 100

253 23.3 17.2 25.8

125 9.4 7.4 11.2



#90

Benzo(a)pyrene

Concen: 5.124 ng

RT: 15.480 min Scan# 2259

Delta R.T. -0.006 min

Lab File: BF142789.D

Acq: 19 Jun 2025 17:38

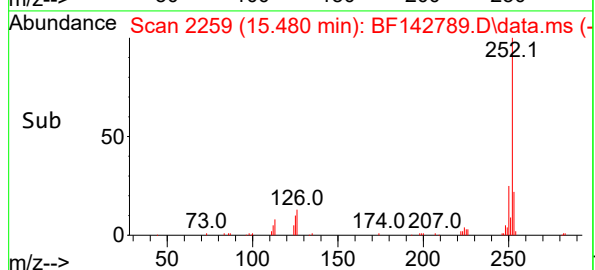
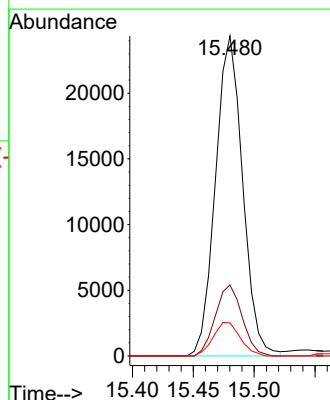
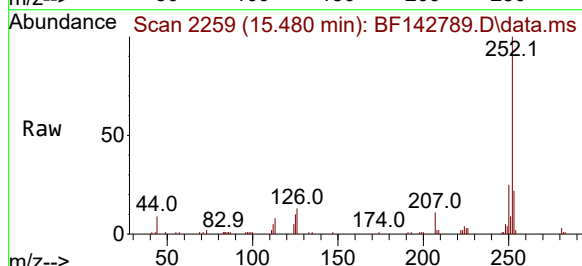
Tgt Ion:252 Resp: 37779

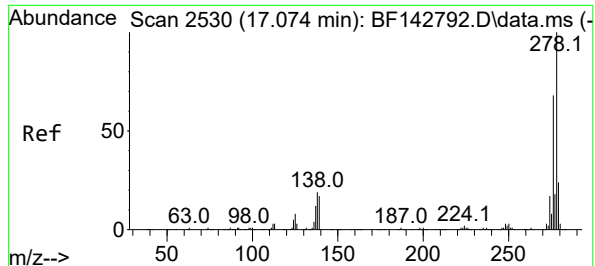
Ion Ratio Lower Upper

252 100

253 22.2 17.5 26.3

125 10.3 8.6 12.8





#91

Dibenzo(a,h)anthracene

Concen: 5.194 ng

RT: 17.062 min Scan# 21

Delta R.T. -0.012 min

Lab File: BF142789.D

Acq: 19 Jun 2025 17:38

Instrument :

BNA_F

ClientSampleId :

SSTDICC005

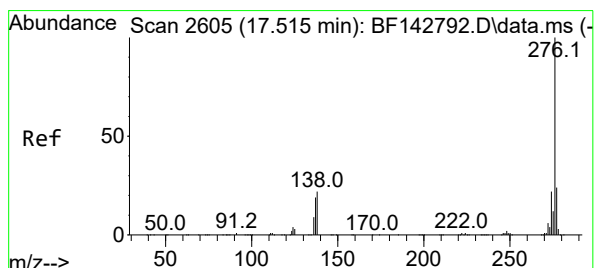
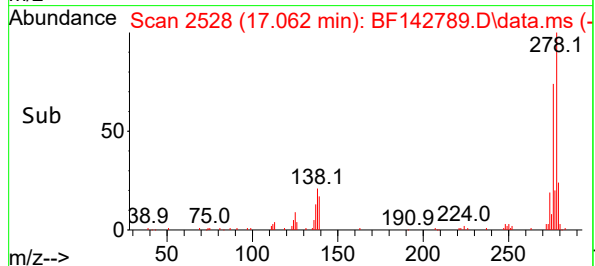
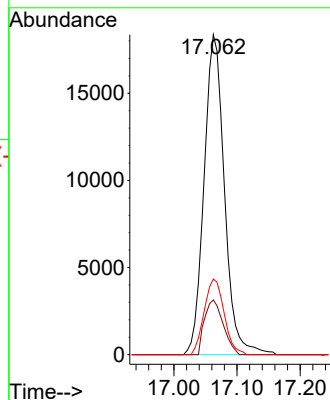
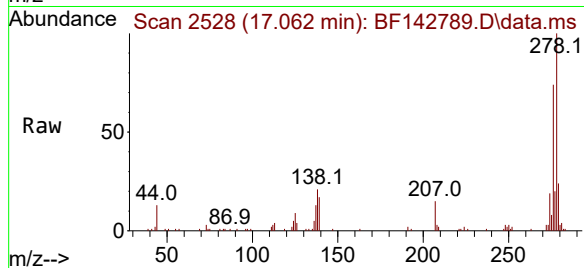
Tgt Ion:278 Resp: 41301

Ion Ratio Lower Upper

278 100

139 17.1 13.5 20.3

279 23.6 18.8 28.2



#92

Benzo(g,h,i)perylene

Concen: 5.165 ng

RT: 17.504 min Scan# 2603

Delta R.T. -0.012 min

Lab File: BF142789.D

Acq: 19 Jun 2025 17:38

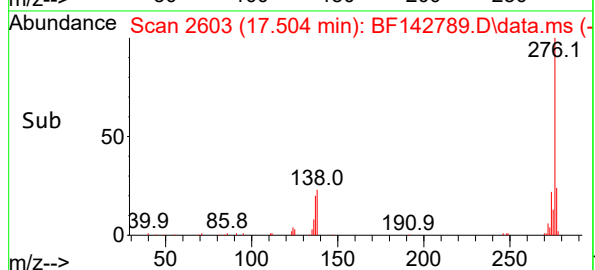
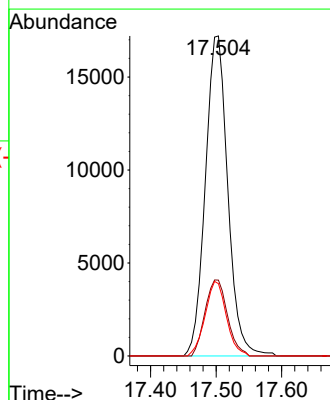
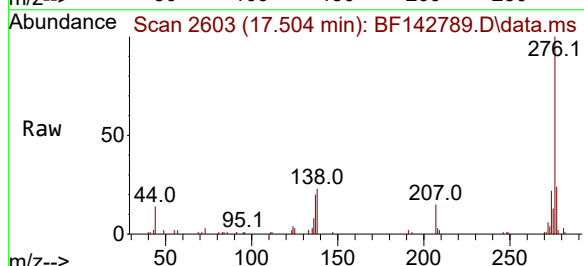
Tgt Ion:276 Resp: 40975

Ion Ratio Lower Upper

276 100

277 23.7 18.8 28.2

138 22.6 17.6 26.4



Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF061925\
 Data File : BF142790.D
 Acq On : 19 Jun 2025 18:08
 Operator : RC/JU
 Sample : SSTDICC010
 Misc :
 ALS Vial : 4 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 SSTDICC010

Quant Time: Jun 20 04:38:34 2025
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF061925.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Fri Jun 20 04:36:38 2025
 Response via : Initial Calibration

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

Internal Standards						
1) 1,4-Dichlorobenzene-d4	6.881	152	76918	20.000	ng	0.00
21) Naphthalene-d8	8.163	136	299903	20.000	ng	0.00
39) Acenaphthene-d10	9.922	164	158336	20.000	ng	0.00
64) Phenanthrene-d10	11.410	188	273084	20.000	ng	0.00
76) Chrysene-d12	14.057	240	152374	20.000	ng	0.00
86) Perylene-d12	15.545	264	140417	20.000	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.493	112	94601	20.977	ng	0.00
7) Phenol-d6	6.504	99	113910	21.510	ng	0.00
23) Nitrobenzene-d5	7.440	82	108508	19.832	ng	0.00
42) 2,4,6-Tribromophenol	10.710	330	32767	19.042	ng	0.00
45) 2-Fluorobiphenyl	9.239	172	259052	21.765	ng	0.00
79) Terphenyl-d14	12.992	244	237037	21.651	ng	0.00
Target Compounds						Qvalue
2) 1,4-Dioxane	2.640	88	19183	10.712	ng	98
3) Pyridine	3.416	79	45966	10.252	ng	98
4) n-Nitrosodimethylamine	3.346	42	23459	10.216	ng	99
6) Aniline	6.540	93	74779	10.537	ng	100
8) 2-Chlorophenol	6.663	128	50128	10.208	ng	99
9) Benzaldehyde	6.428	77	37993	11.768	ng	98
10) Phenol	6.516	94	63585	10.769	ng	95
11) bis(2-Chloroethyl)ether	6.610	93	43585	9.950	ng	99
12) 1,3-Dichlorobenzene	6.822	146	57659	10.312	ng	97
13) 1,4-Dichlorobenzene	6.898	146	57522	10.149	ng	99
14) 1,2-Dichlorobenzene	7.051	146	54672	10.091	ng	99
15) Benzyl Alcohol	7.016	79	39348	9.927	ng	99
16) 2,2'-oxybis(1-Chloropr...	7.151	45	71897	10.417	ng	99
17) 2-Methylphenol	7.128	107	38357	10.217	ng	98
18) Hexachloroethane	7.393	117	20035	9.889	ng	97
19) n-Nitroso-di-n-propyla...	7.281	70	32293	9.670	ng	98
20) 3+4-Methylphenols	7.281	107	49675	10.513	ng	91
22) Acetophenone	7.287	105	67666	10.197	ng	98
24) Nitrobenzene	7.457	77	48789	10.034	ng	99
25) Isophorone	7.698	82	87205	9.504	ng	99
26) 2-Nitrophenol	7.781	139	25734	9.498	ng	99
27) 2,4-Dimethylphenol	7.810	122	46454	10.071	ng	99
28) bis(2-Chloroethoxy)met...	7.910	93	55907	9.788	ng	100
29) 2,4-Dichlorophenol	8.022	162	41925	9.861	ng	97
30) 1,2,4-Trichlorobenzene	8.104	180	47419	10.097	ng	99
31) Naphthalene	8.187	128	150265	10.188	ng	100
32) Benzoic acid	7.887	122	17708	6.919	ng	90
33) 4-Chloroaniline	8.234	127	61190	10.352	ng	98
34) Hexachlorobutadiene	8.304	225	28192	9.473	ng	100
35) Caprolactam	8.569	113	10933	9.557	ng	98
36) 4-Chloro-3-methylphenol	8.710	107	41204	9.382	ng	98
37) 2-Methylnaphthalene	8.875	142	93078	10.003	ng	98
38) 1-Methylnaphthalene	8.975	142	96673	10.007	ng	99
40) 1,2,4,5-Tetrachloroben...	9.045	216	48175	10.540	ng	98
41) Hexachlorocyclopentadiene	9.028	237	18602	6.436	ng	97
43) 2,4,6-Trichlorophenol	9.157	196	30118	10.182	ng	96

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF061925\
 Data File : BF142790.D
 Acq On : 19 Jun 2025 18:08
 Operator : RC/JU
 Sample : SSTDICC010
 Misc :
 ALS Vial : 4 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 SSTDICC010

Quant Time: Jun 20 04:38:34 2025
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF061925.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Fri Jun 20 04:36:38 2025
 Response via : Initial Calibration

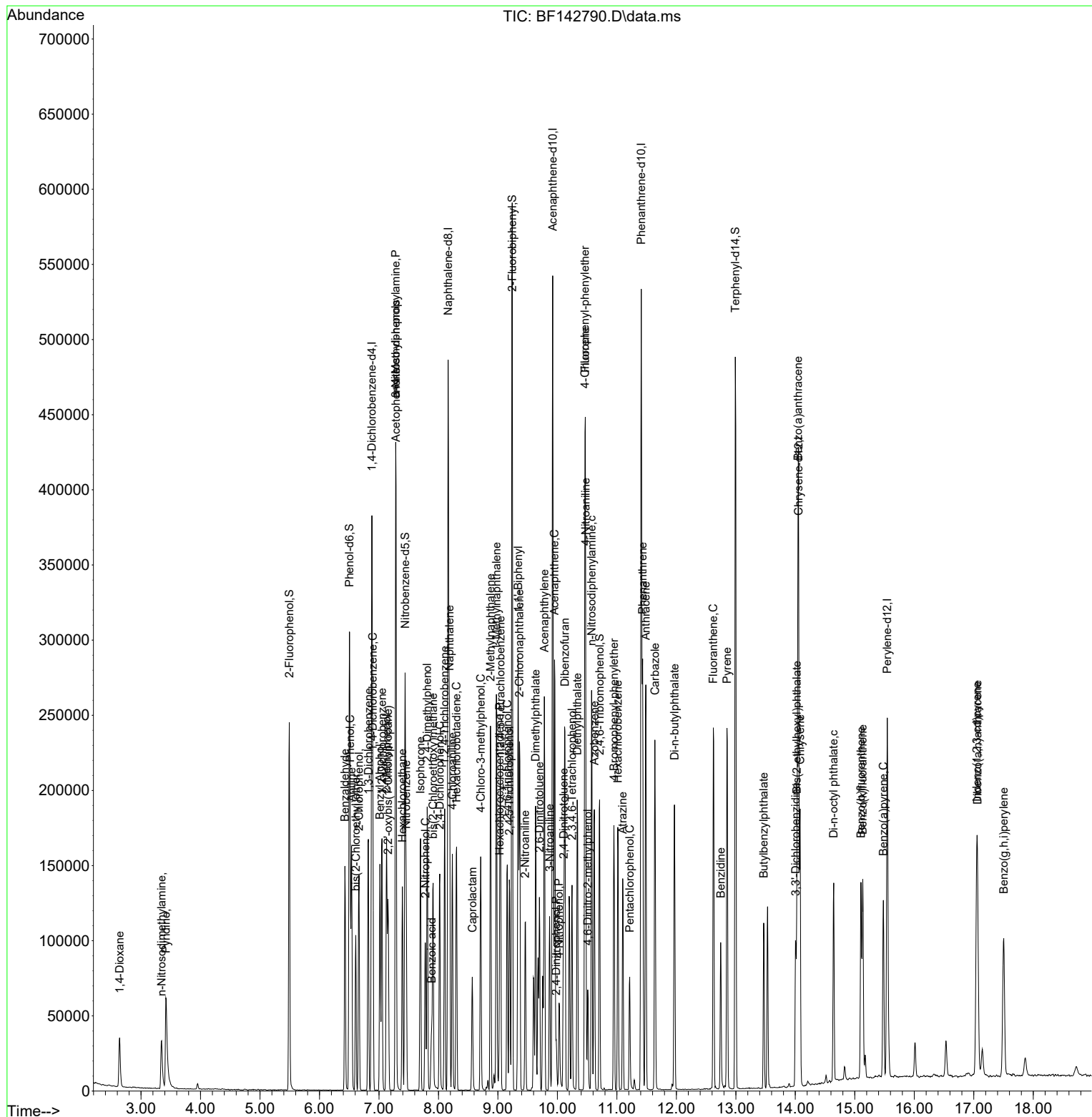
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
44) 2,4,5-Trichlorophenol	9.192	196	31900	9.987	ng	99
46) 1,1'-Biphenyl	9.339	154	127911	10.404	ng	98
47) 2-Chloronaphthalene	9.363	162	95194	10.493	ng	100
48) 2-Nitroaniline	9.457	65	26075	10.117	ng	98
49) Acenaphthylene	9.781	152	158842	10.415	ng	99
50) Dimethylphthalate	9.634	163	105636	10.058	ng	99
51) 2,6-Dinitrotoluene	9.698	165	22116	9.714	ng	97
52) Acenaphthene	9.951	154	94961	10.062	ng	98
53) 3-Nitroaniline	9.869	138	24651	9.968	ng	98
54) 2,4-Dinitrophenol	9.981	184	7521	6.104	ng	97
55) Dibenzofuran	10.128	168	140256	10.416	ng	97
56) 4-Nitrophenol	10.028	139	14986	8.927	ng	94
57) 2,4-Dinitrotoluene	10.104	165	29934	9.943	ng	99
58) Fluorene	10.469	166	111772	10.518	ng	99
59) 2,3,4,6-Tetrachlorophenol	10.245	232	25885	9.666	ng	96
60) Diethylphthalate	10.334	149	103048	9.877	ng	100
61) 4-Chlorophenyl-phenyle...	10.463	204	51958	10.067	ng	96
62) 4-Nitroaniline	10.475	138	21876	9.854	ng	98
63) Azobenzene	10.622	77	90965	9.977	ng	98
65) 4,6-Dinitro-2-methylph...	10.510	198	13545	7.982	ng	91
66) n-Nitrosodiphenylamine	10.575	169	93632	9.978	ng	100
67) 4-Bromophenyl-phenylether	10.951	248	30145	9.425	ng	97
68) Hexachlorobenzene	11.016	284	33838	9.530	ng	98
69) Atrazine	11.098	200	23423	9.401	ng	98
70) Pentachlorophenol	11.216	266	13894	7.534	ng	96
71) Phenanthrene	11.433	178	151997	10.396	ng	100
72) Anthracene	11.486	178	153376	10.135	ng	99
73) Carbazole	11.639	167	134656	10.625	ng	99
74) Di-n-butylphthalate	11.969	149	137293	9.784	ng	99
75) Fluoranthene	12.622	202	148540	10.693	ng	98
77) Benzidine	12.745	184	56769	10.524	ng	98
78) Pyrene	12.851	202	147819	10.553	ng	100
80) Butylbenzylphthalate	13.469	149	35843	8.635	ng	100
81) Benzo(a)anthracene	14.045	228	103495	10.345	ng	99
82) 3,3'-Dichlorobenzidine	14.004	252	30349	9.368	ng	99
83) Chrysene	14.080	228	90725	9.741	ng	98
84) Bis(2-ethylhexyl)phtha...	14.027	149	51432	8.316	ng	99
85) Di-n-octyl phthalate	14.645	149	91989	7.805	ng	100
87) Indeno(1,2,3-cd)pyrene	17.051	276	104445	10.061	ng	100
88) Benzo(b)fluoranthene	15.104	252	85689	10.478	ng	99
89) Benzo(k)fluoranthene	15.133	252	70470	8.828	ng	99
90) Benzo(a)pyrene	15.480	252	74803	9.558	ng	99
91) Dibenzo(a,h)anthracene	17.062	278	85238	10.099	ng	99
92) Benzo(g,h,i)perylene	17.504	276	84115	9.989	ng	98

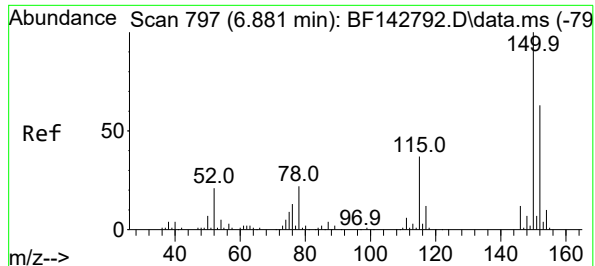
(#) = qualifier out of range (m) = manual integration (+) = signals summed


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Data File : BF142790.D  
Acq On    : 19 Jun 2025  18:08  
Operator   : RC/JU  
Sample     : SSTDICC010  
Misc      :  
ALS Vial   : 4    Sample Multiplier: 1
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Instrument :
BNA_F
ClientSampleId :
SSTDICC010

Quant Time: Jun 20 04:38:34 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF061925.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Fri Jun 20 04:36:38 2025
Response via : Initial Calibration

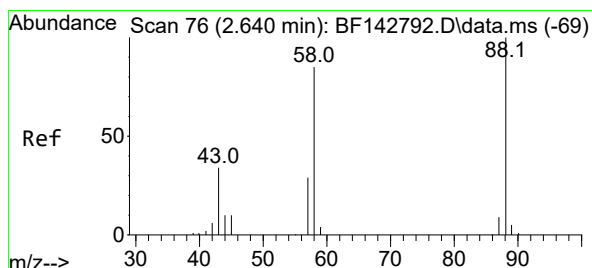
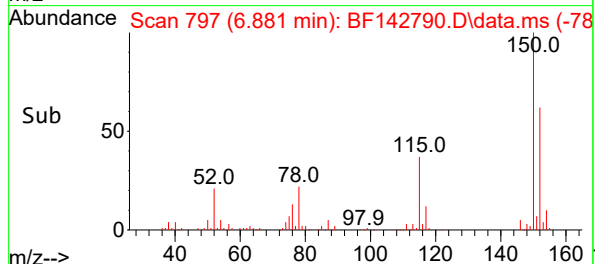
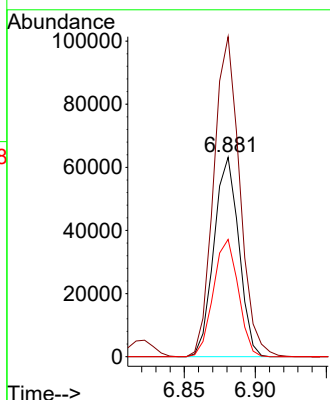
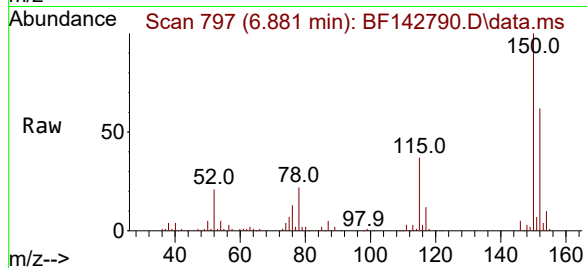




#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.881 min Scan# 79
Delta R.T. -0.000 min
Lab File: BF142790.D
Acq: 19 Jun 2025 18:08

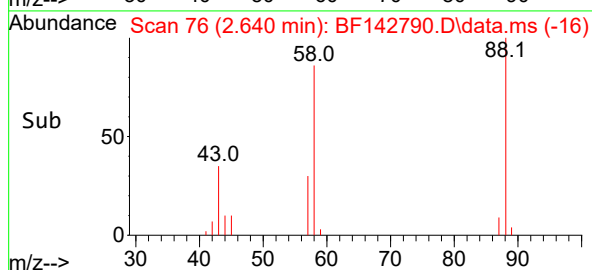
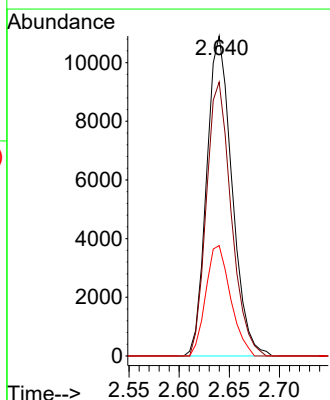
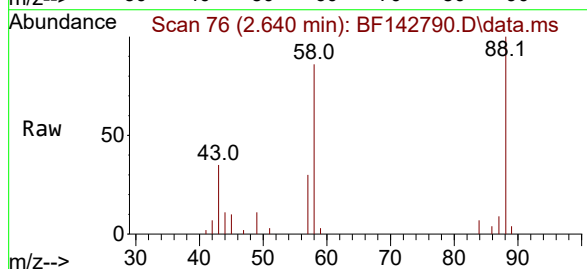
Instrument :
BNA_F
ClientSampleId :
SSTDICC010

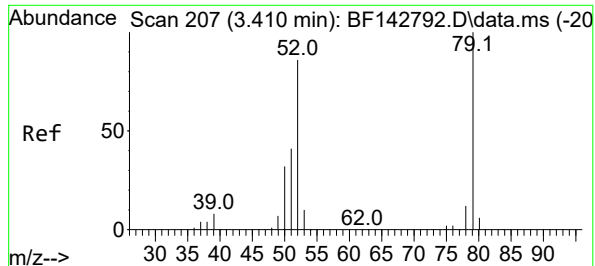
Tgt Ion:152 Resp: 76918
Ion Ratio Lower Upper
152 100
150 160.5 127.2 190.8
115 58.8 46.6 69.8



#2
1,4-Dioxane
Concen: 10.712 ng
RT: 2.640 min Scan# 76
Delta R.T. 0.000 min
Lab File: BF142790.D
Acq: 19 Jun 2025 18:08

Tgt Ion: 88 Resp: 19183
Ion Ratio Lower Upper
88 100
58 83.9 69.1 103.7
43 33.7 27.4 41.2





#3

Pyridine

Concen: 10.252 ng

RT: 3.416 min Scan# 20

Delta R.T. 0.006 min

Lab File: BF142790.D

Acq: 19 Jun 2025 18:08

Instrument :

BNA_F

ClientSampleId :

SSTDICC010

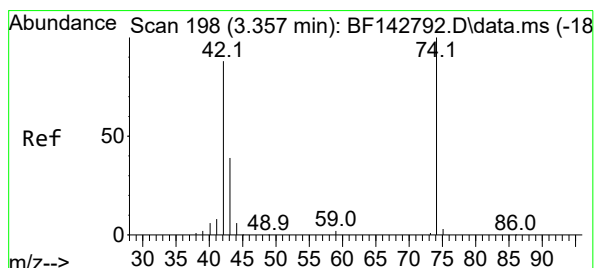
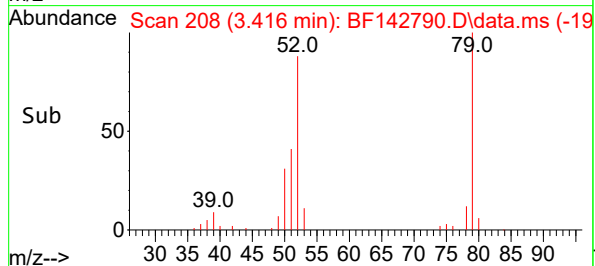
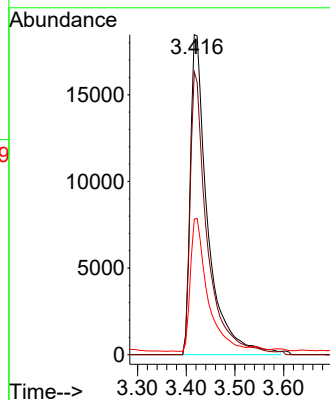
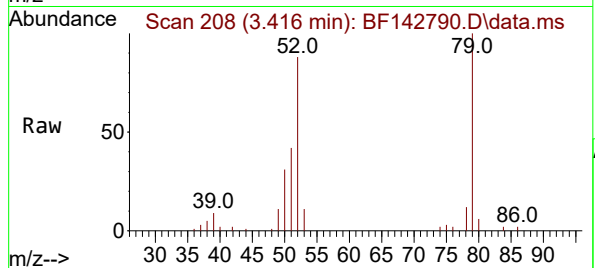
Tgt Ion: 79 Resp: 45966

Ion Ratio Lower Upper

79 100

52 88.4 69.2 103.8

51 42.4 33.2 49.8



#4

n-Nitrosodimethylamine

Concen: 10.216 ng

RT: 3.346 min Scan# 196

Delta R.T. -0.012 min

Lab File: BF142790.D

Acq: 19 Jun 2025 18:08

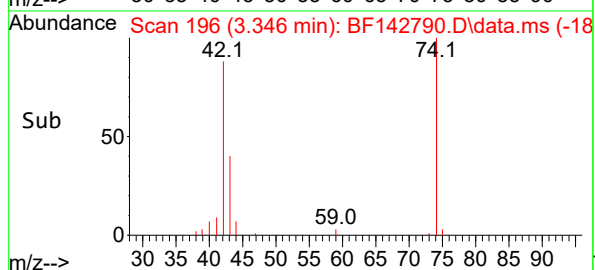
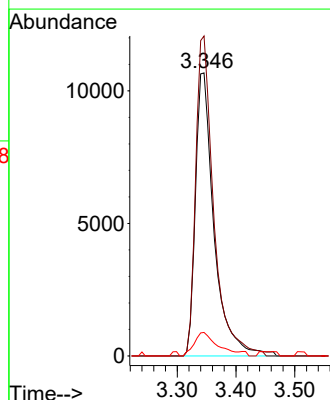
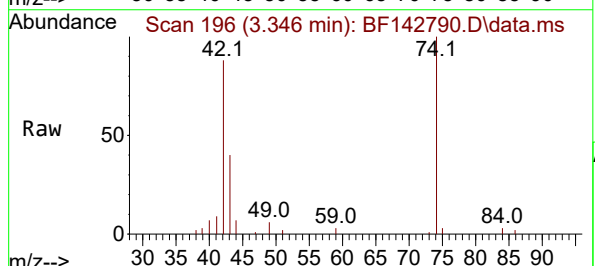
Tgt Ion: 42 Resp: 23459

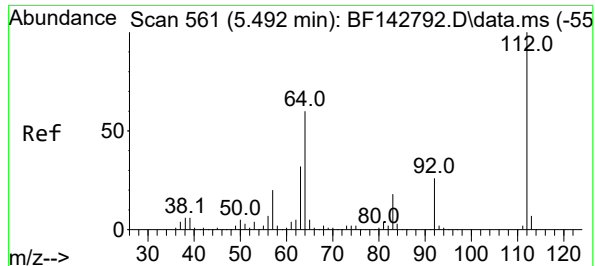
Ion Ratio Lower Upper

42 100

74 113.1 90.9 136.3

44 8.3 5.8 8.6



#5
2-Fluorophenol

Concen: 20.977 ng

RT: 5.493 min Scan# 50

Delta R.T. 0.000 min

Lab File: BF142790.D

Acq: 19 Jun 2025 18:08

Instrument :

BNA_F

ClientSampleId :

SSTDICC010

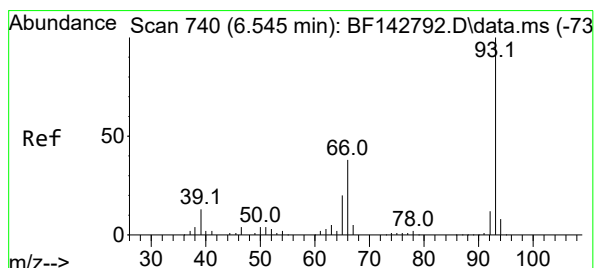
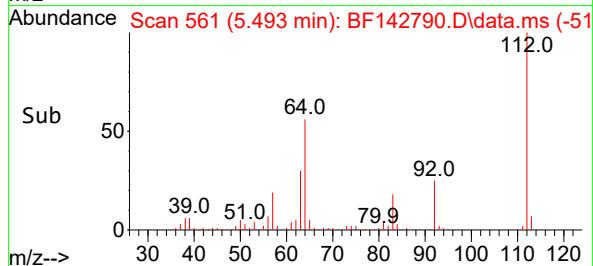
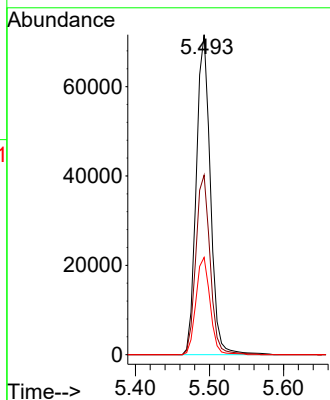
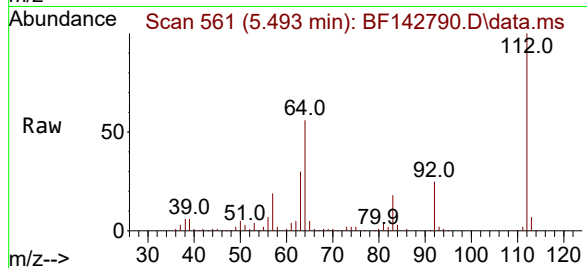
Tgt Ion:112 Resp: 94601

Ion Ratio Lower Upper

112 100

64 56.1 48.2 72.2

63 30.4 25.7 38.5



#6

Aniline

Concen: 10.537 ng

RT: 6.540 min Scan# 739

Delta R.T. -0.006 min

Lab File: BF142790.D

Acq: 19 Jun 2025 18:08

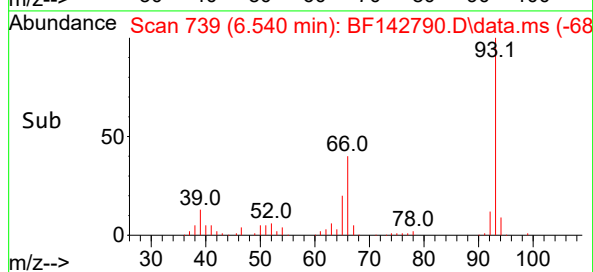
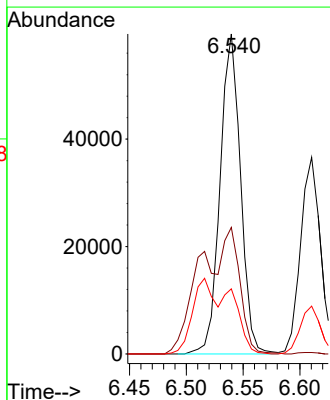
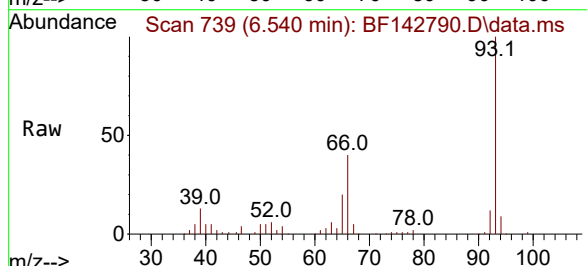
Tgt Ion: 93 Resp: 74779

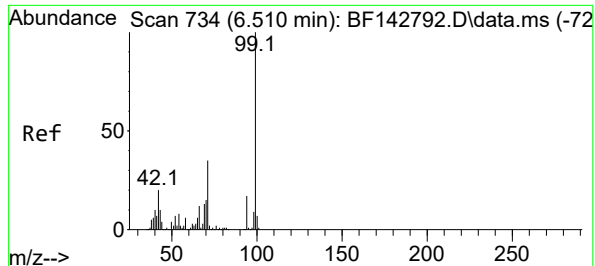
Ion Ratio Lower Upper

93 100

66 39.6 31.8 47.6

65 20.4 16.2 24.2





#7

Phenol-d6

Concen: 21.510 ng

RT: 6.504 min Scan# 71

Delta R.T. -0.006 min

Lab File: BF142790.D

Acq: 19 Jun 2025 18:08

Instrument :

BNA_F

ClientSampleId :

SSTDICC010

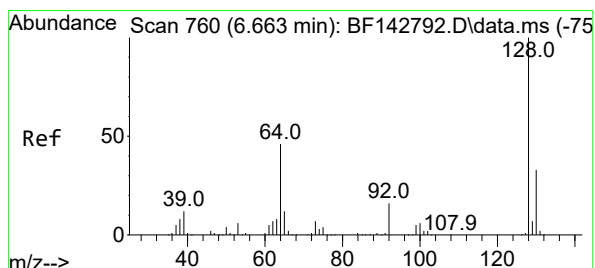
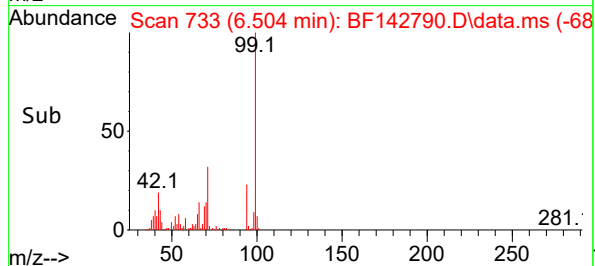
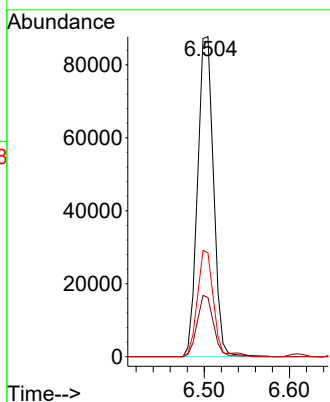
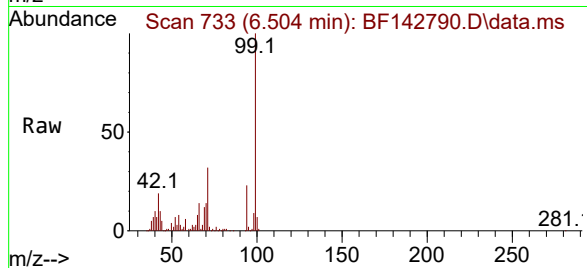
Tgt Ion: 99 Resp: 113910

Ion Ratio Lower Upper

99 100

42 18.5 15.9 23.9

71 32.5 27.8 41.8



#8

2-Chlorophenol

Concen: 10.208 ng

RT: 6.663 min Scan# 760

Delta R.T. 0.000 min

Lab File: BF142790.D

Acq: 19 Jun 2025 18:08

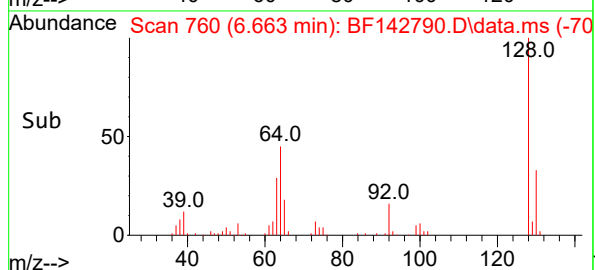
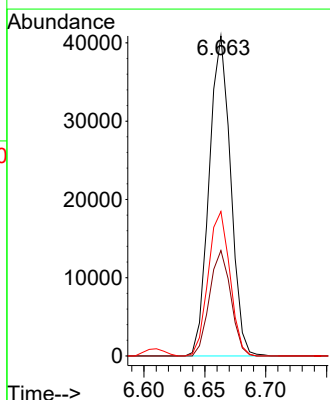
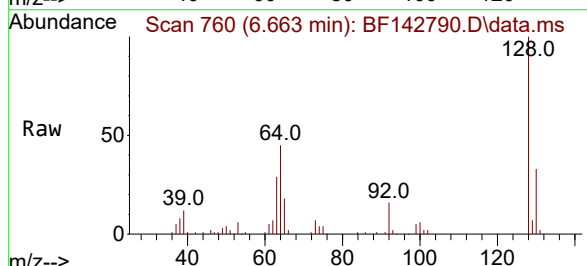
Tgt Ion:128 Resp: 50128

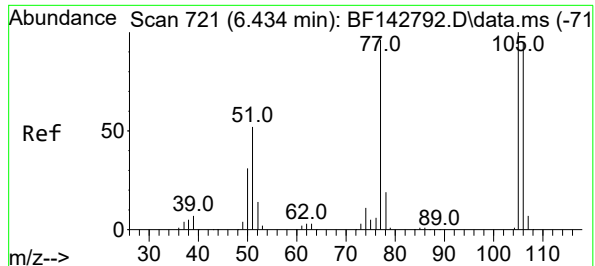
Ion Ratio Lower Upper

128 100

130 33.0 12.7 52.7

64 45.2 26.5 66.5

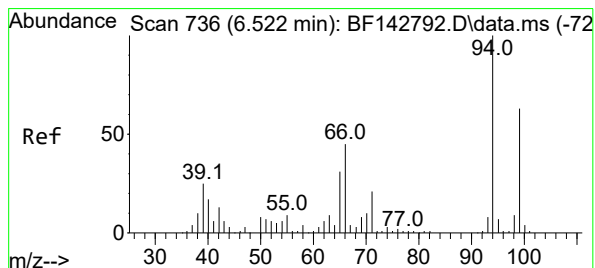
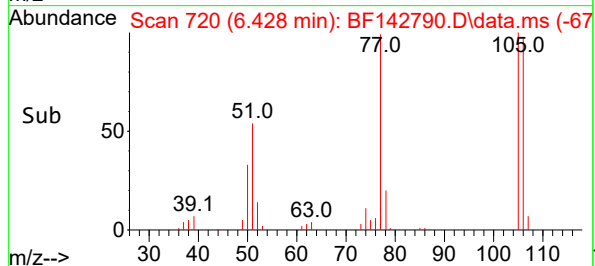
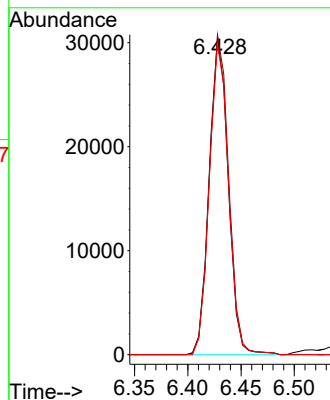
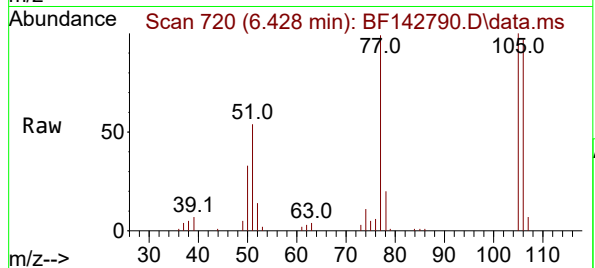




#9
Benzaldehyde
Concen: 11.768 ng
RT: 6.428 min Scan# 71
Delta R.T. -0.006 min
Lab File: BF142790.D
Acq: 19 Jun 2025 18:08

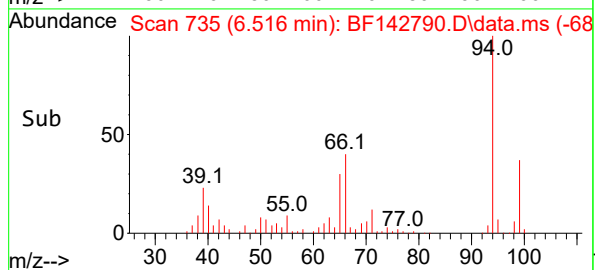
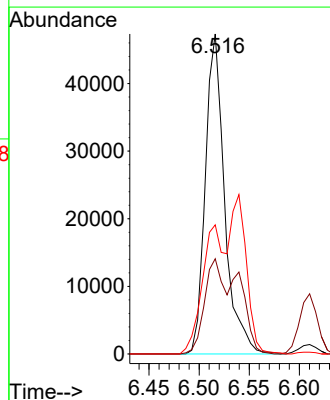
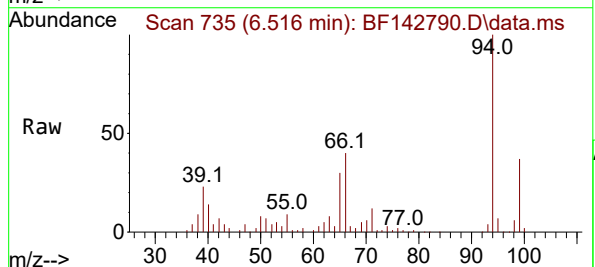
Instrument :
BNA_F
ClientSampleId :
SSTDICC010

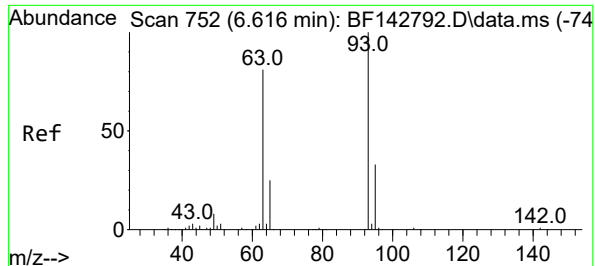
Tgt Ion: 77 Resp: 37993
Ion Ratio Lower Upper
77 100
105 100.8 83.8 123.8
106 98.1 78.7 118.7



#10
Phenol
Concen: 10.769 ng
RT: 6.516 min Scan# 735
Delta R.T. -0.006 min
Lab File: BF142790.D
Acq: 19 Jun 2025 18:08

Tgt Ion: 94 Resp: 63585
Ion Ratio Lower Upper
94 100
65 29.8 11.3 51.3
66 40.3 24.9 64.9

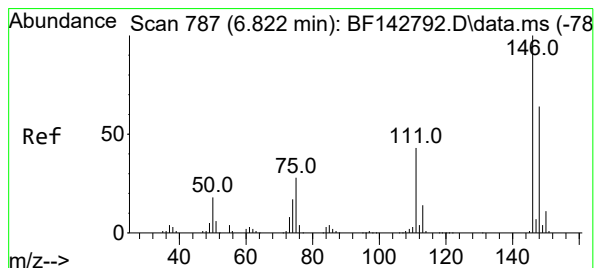
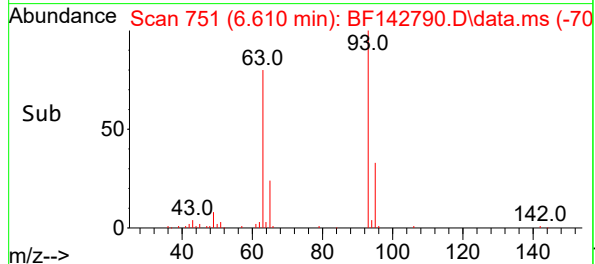
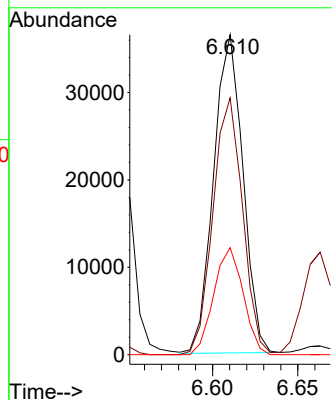
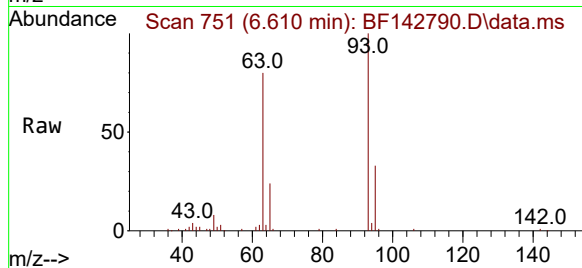




#11
bis(2-Chloroethyl)ether
Concen: 9.950 ng
RT: 6.610 min Scan# 751
Delta R.T. -0.006 min
Lab File: BF142790.D
Acq: 19 Jun 2025 18:08

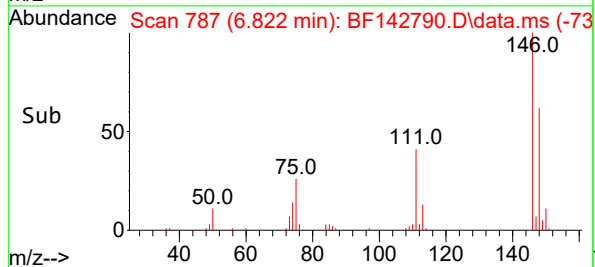
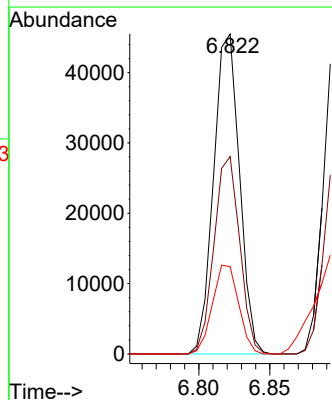
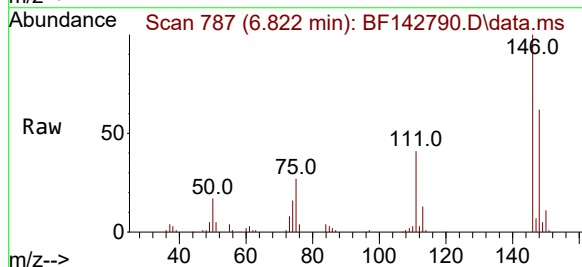
Instrument :
BNA_F
ClientSampleId :
SSTDICC010

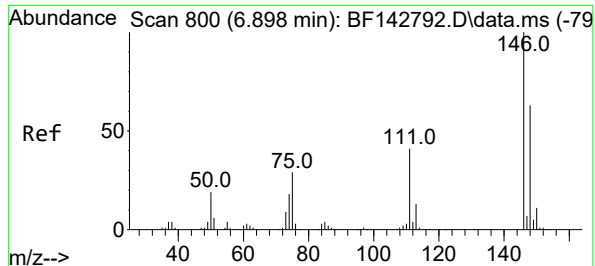
Tgt Ion:	93	Resp:	43585
Ion	Ratio	Lower	Upper
93	100		
63	80.2	60.3	100.3
95	33.5	12.5	52.5



#12
1,3-Dichlorobenzene
Concen: 10.312 ng
RT: 6.822 min Scan# 787
Delta R.T. 0.000 min
Lab File: BF142790.D
Acq: 19 Jun 2025 18:08

Tgt Ion:	146	Resp:	57659
Ion	Ratio	Lower	Upper
146	100		
148	61.7	51.1	76.7
75	27.3	22.7	34.1





#13

1,4-Dichlorobenzene

Concen: 10.149 ng

RT: 6.898 min Scan# 800

Delta R.T. 0.000 min

Lab File: BF142790.D

Acq: 19 Jun 2025 18:08

Instrument :

BNA_F

ClientSampleId :

SSTDICC010

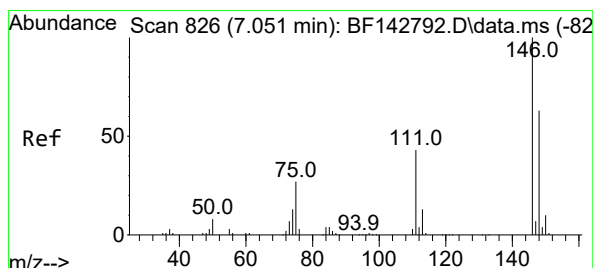
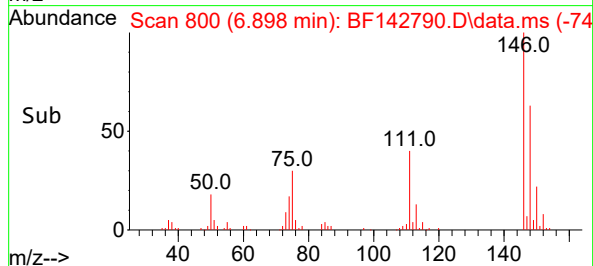
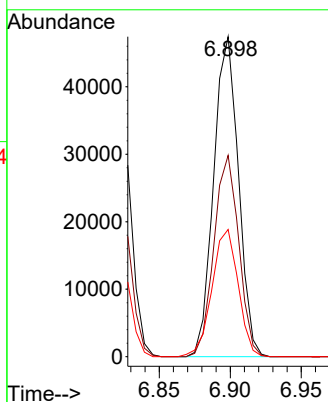
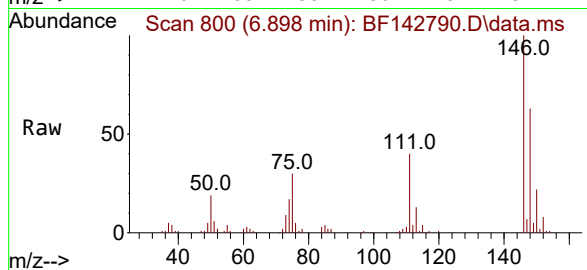
Tgt Ion:146 Resp: 57522

Ion Ratio Lower Upper

146 100

148 62.9 50.2 75.2

111 39.8 33.2 49.8



#14

1,2-Dichlorobenzene

Concen: 10.091 ng

RT: 7.051 min Scan# 826

Delta R.T. 0.000 min

Lab File: BF142790.D

Acq: 19 Jun 2025 18:08

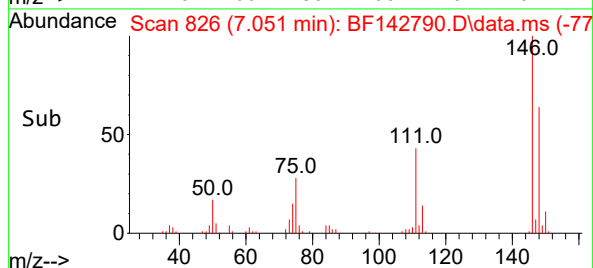
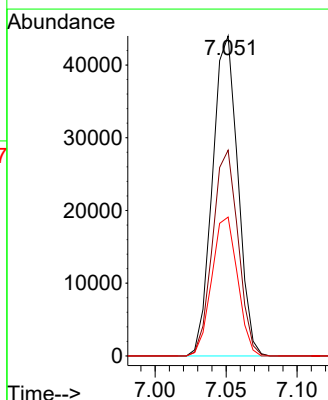
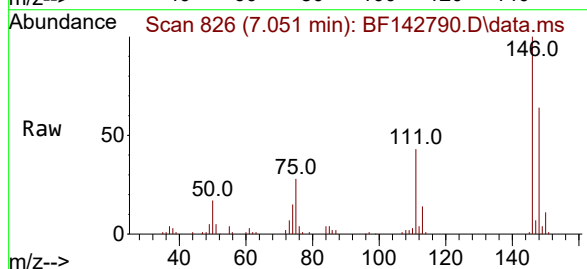
Tgt Ion:146 Resp: 54672

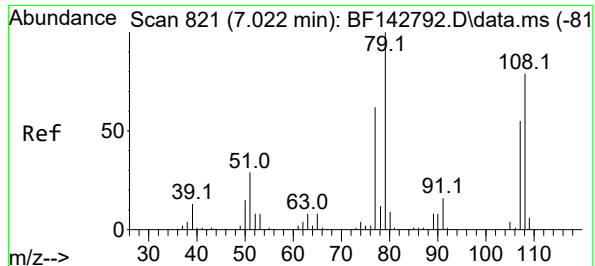
Ion Ratio Lower Upper

146 100

148 64.3 50.4 75.6

111 43.4 34.1 51.1





#15

Benzyl Alcohol

Concen: 9.927 ng

RT: 7.016 min Scan# 81

Delta R.T. -0.006 min

Lab File: BF142790.D

Acq: 19 Jun 2025 18:08

Instrument :

BNA_F

ClientSampleId :

SSTDIC010

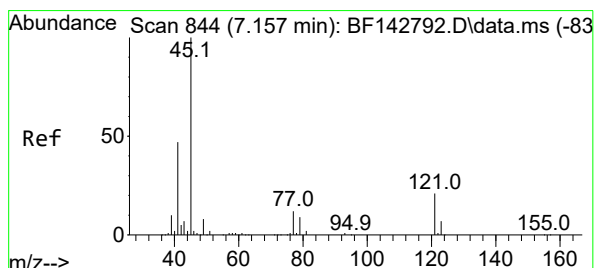
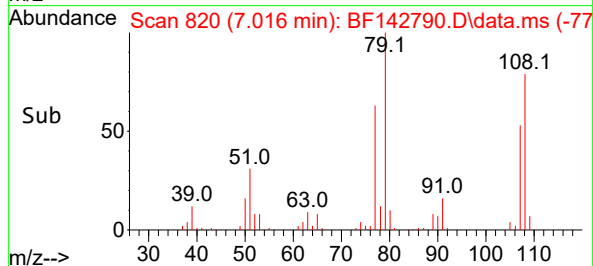
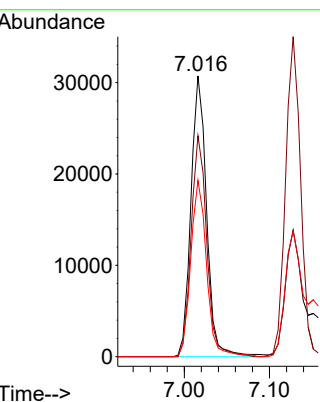
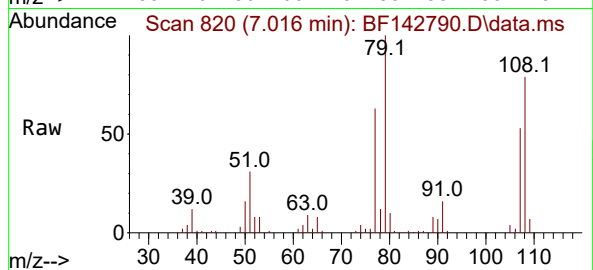
Tgt Ion: 79 Resp: 39348

Ion Ratio Lower Upper

79 100

108 78.7 63.4 95.0

77 62.8 49.5 74.3



#16

2,2'-oxybis(1-Chloropropane)

Concen: 10.417 ng

RT: 7.151 min Scan# 843

Delta R.T. -0.006 min

Lab File: BF142790.D

Acq: 19 Jun 2025 18:08

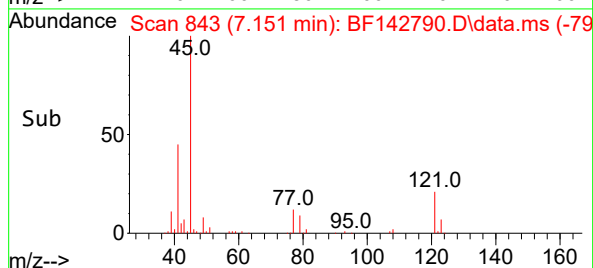
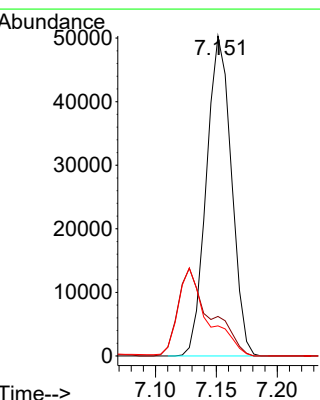
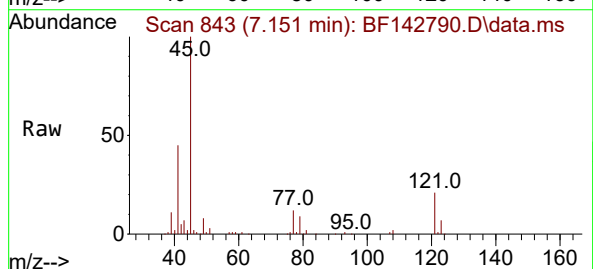
Tgt Ion: 45 Resp: 71897

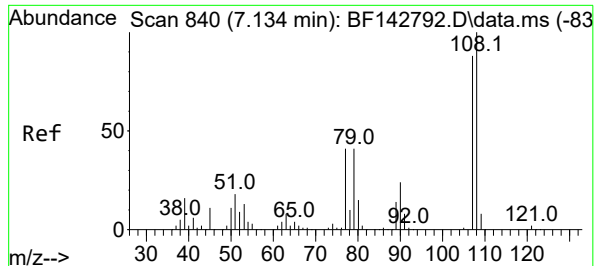
Ion Ratio Lower Upper

45 100

77 12.4 0.0 32.8

79 9.4 0.0 29.8





#17

2-Methylphenol

Concen: 10.217 ng

RT: 7.128 min Scan# 81

Delta R.T. -0.006 min

Lab File: BF142790.D

Acq: 19 Jun 2025 18:08

Instrument :

BNA_F

ClientSampleId :

SSTDICC010

Tgt Ion:107 Resp: 38357

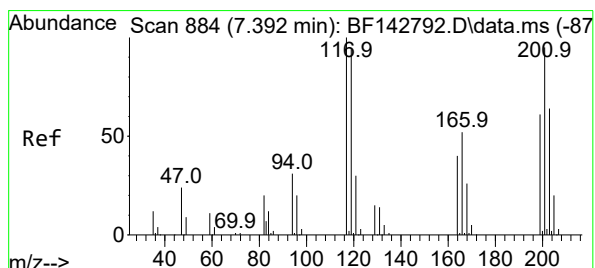
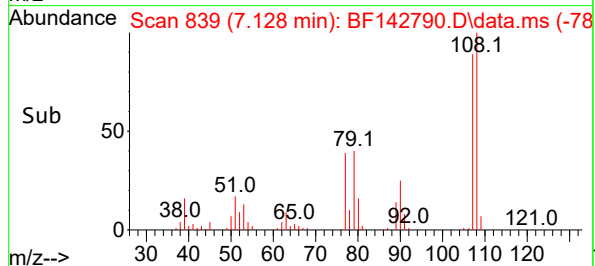
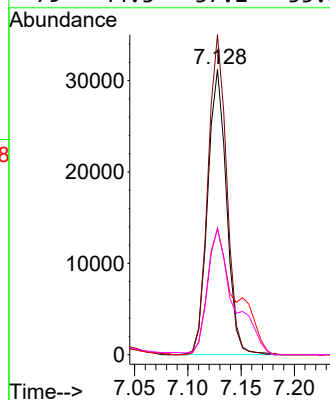
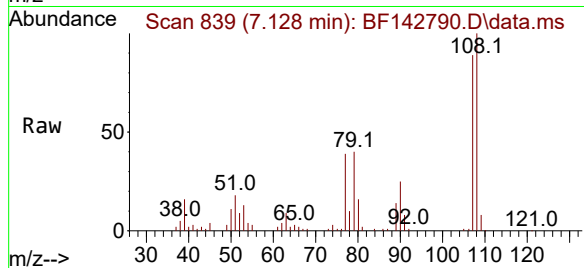
Ion Ratio Lower Upper

107 100

108 112.1 90.9 136.3

77 44.1 37.3 55.9

79 44.3 37.2 55.8



#18

Hexachloroethane

Concen: 9.889 ng

RT: 7.393 min Scan# 884

Delta R.T. 0.000 min

Lab File: BF142790.D

Acq: 19 Jun 2025 18:08

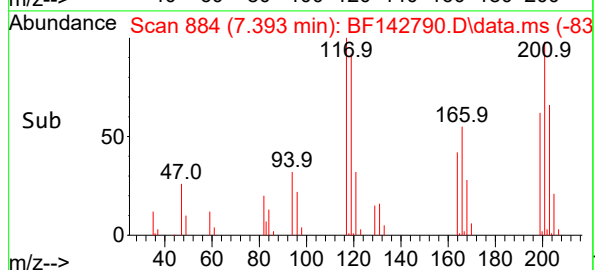
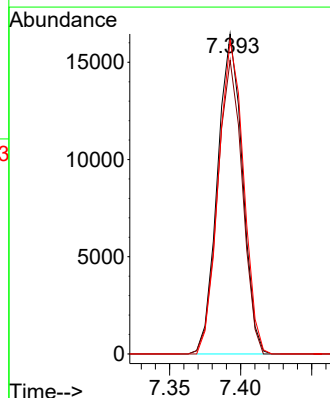
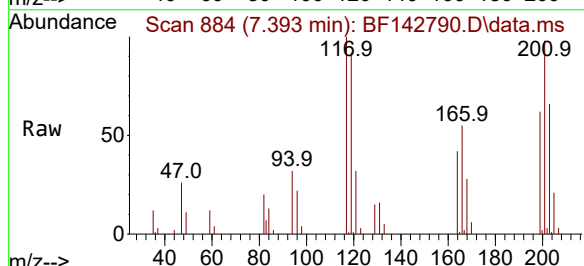
Tgt Ion:117 Resp: 20035

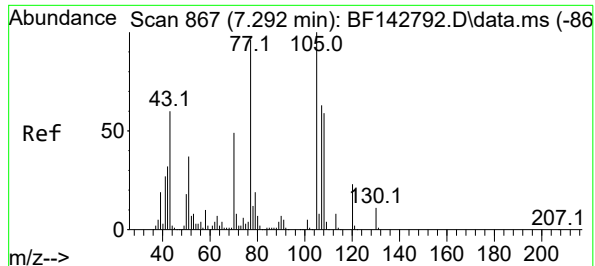
Ion Ratio Lower Upper

117 100

119 91.8 75.4 113.0

201 98.0 75.9 113.9





#19

n-Nitroso-di-n-propylamine

Concen: 9.670 ng

RT: 7.281 min Scan# 865

Delta R.T. -0.012 min

Lab File: BF142790.D

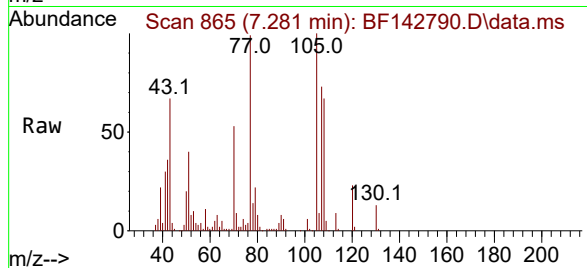
Acq: 19 Jun 2025 18:08

Instrument :

BNA_F

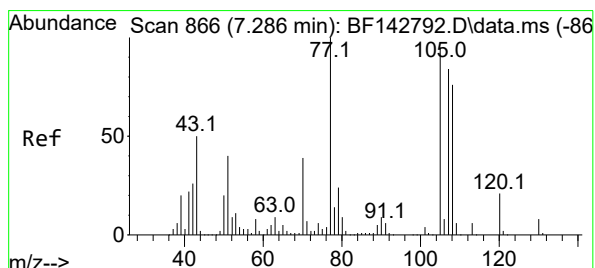
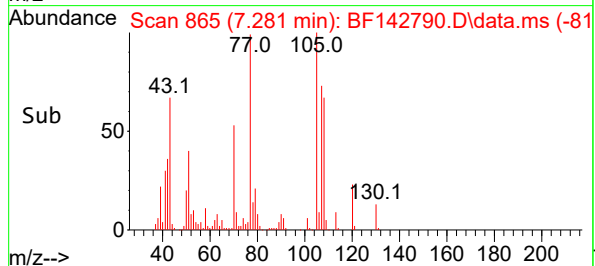
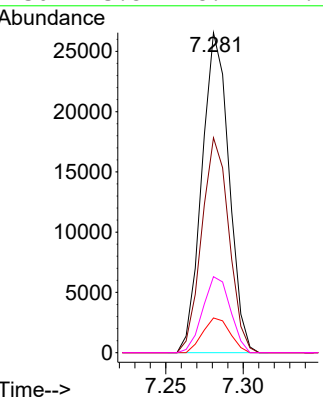
ClientSampleId :

SSTDICC010



Tgt Ion: 70 Resp: 32293

Ion	Ratio	Lower	Upper
70	100		
42	67.1	52.1	78.1
101	10.9	8.2	12.2
130	23.8	18.2	27.2



#20

3+4-Methylphenols

Concen: 10.513 ng

RT: 7.281 min Scan# 865

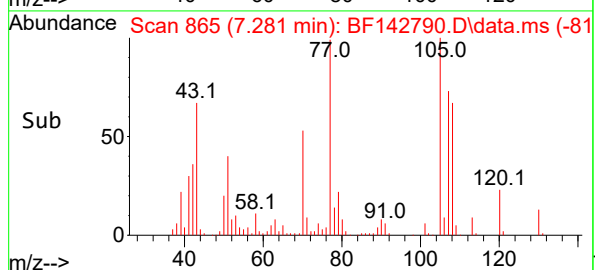
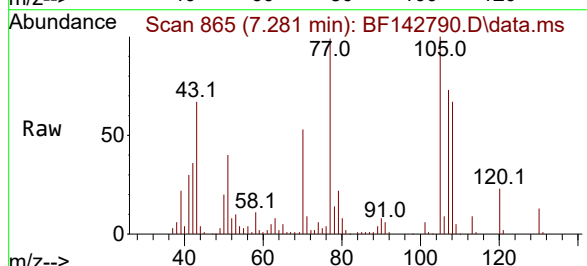
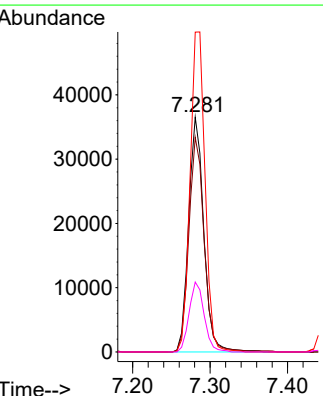
Delta R.T. -0.006 min

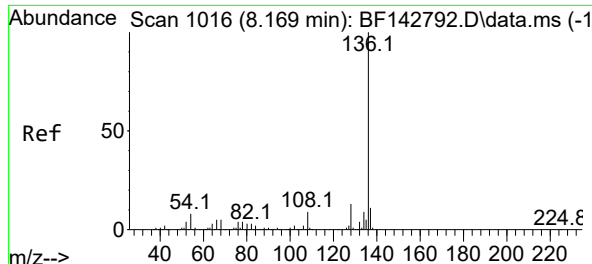
Lab File: BF142790.D

Acq: 19 Jun 2025 18:08

Tgt Ion: 107 Resp: 49675

Ion	Ratio	Lower	Upper
107	100		
108	91.4	70.0	110.0
77	136.2	98.5	138.5
79	29.8	8.8	48.8

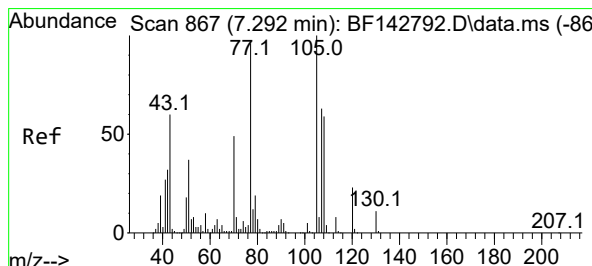
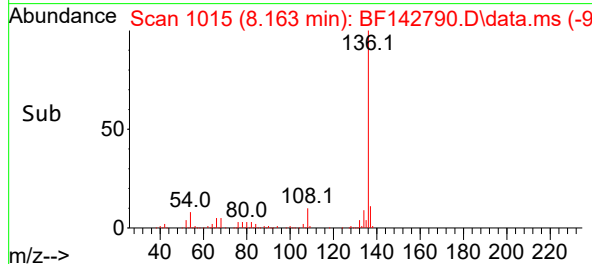
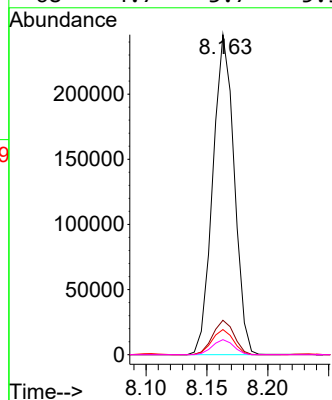
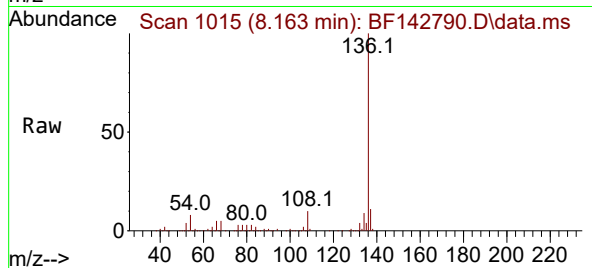




#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.163 min Scan# 1016
Delta R.T. -0.006 min
Lab File: BF142790.D
Acq: 19 Jun 2025 18:08

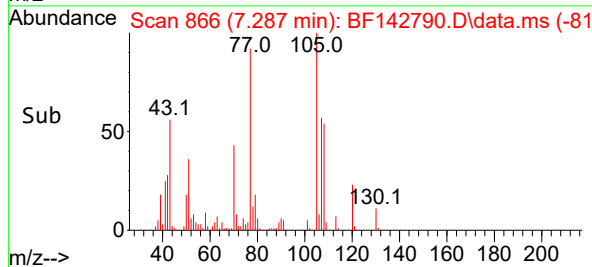
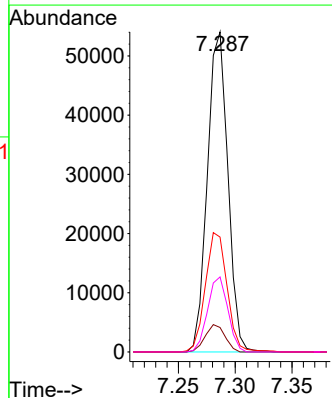
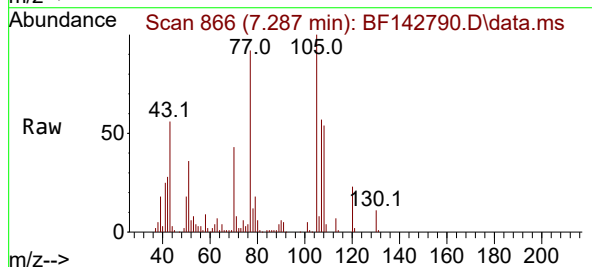
Instrument :
BNA_F
ClientSampleId :
SSTDICC010

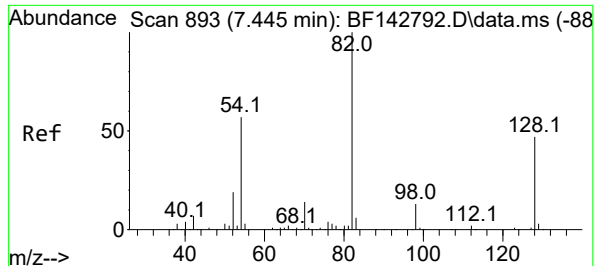
Tgt Ion:136 Resp: 299903
Ion Ratio Lower Upper
136 100
137 10.8 8.4 12.6
54 7.9 6.3 9.5
68 4.7 3.7 5.5



#22
Acetophenone
Concen: 10.197 ng
RT: 7.287 min Scan# 866
Delta R.T. -0.006 min
Lab File: BF142790.D
Acq: 19 Jun 2025 18:08

Tgt Ion:105 Resp: 67666
Ion Ratio Lower Upper
105 100
71 7.7 6.5 9.7
51 35.9 29.8 44.8
120 23.4 18.2 27.2





#23

Nitrobenzene-d5

Concen: 19.832 ng

RT: 7.440 min Scan# 891

Delta R.T. -0.006 min

Lab File: BF142790.D

Acq: 19 Jun 2025 18:08

Instrument :

BNA_F

ClientSampleId :

SSTDIC010

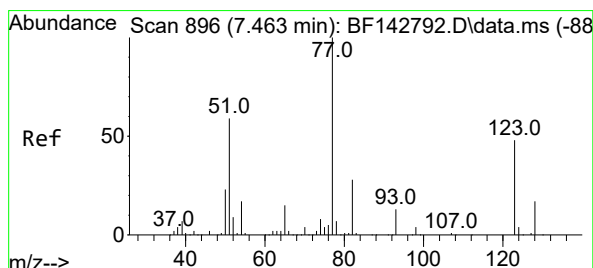
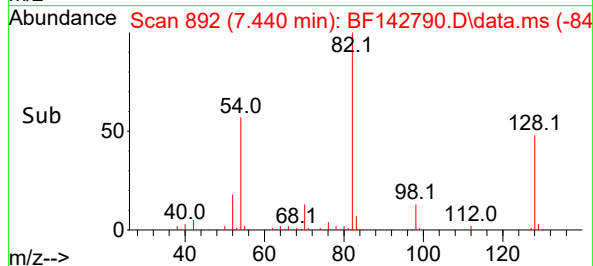
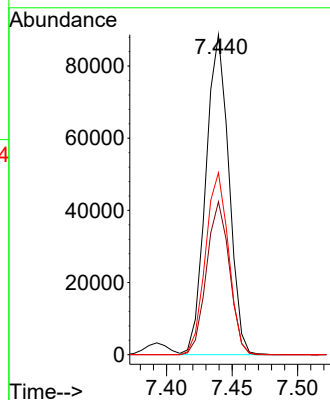
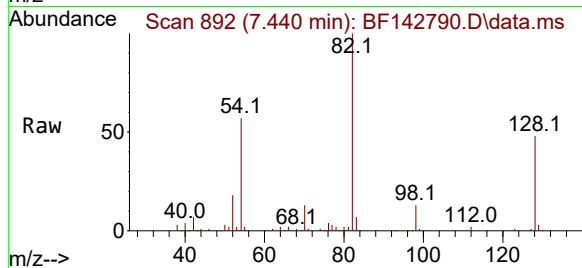
Tgt Ion: 82 Resp: 108508

Ion Ratio Lower Upper

82 100

128 47.8 37.7 56.5

54 56.9 45.7 68.5



#24

Nitrobenzene

Concen: 10.034 ng

RT: 7.457 min Scan# 895

Delta R.T. -0.006 min

Lab File: BF142790.D

Acq: 19 Jun 2025 18:08

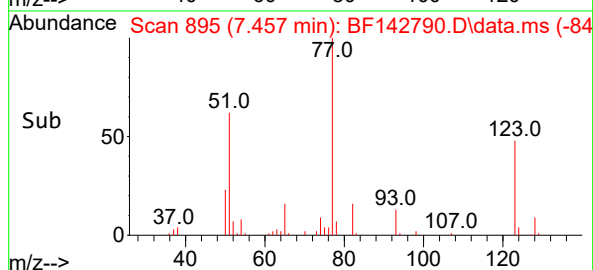
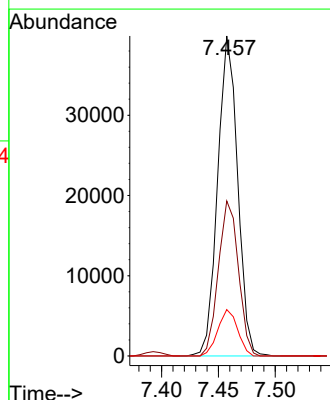
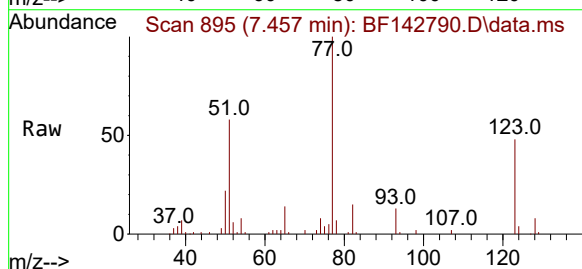
Tgt Ion: 77 Resp: 48789

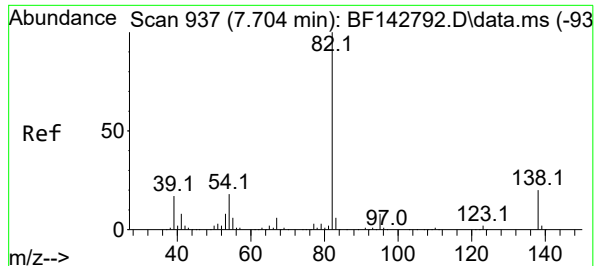
Ion Ratio Lower Upper

77 100

123 48.5 39.2 58.8

65 14.5 11.6 17.4

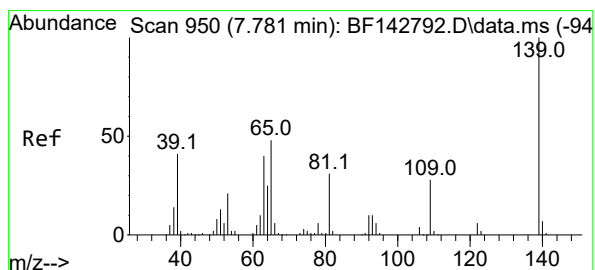
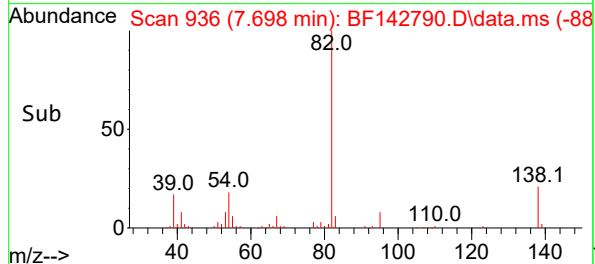
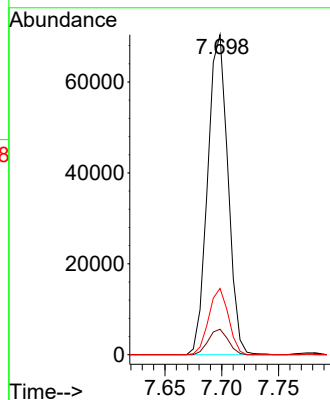
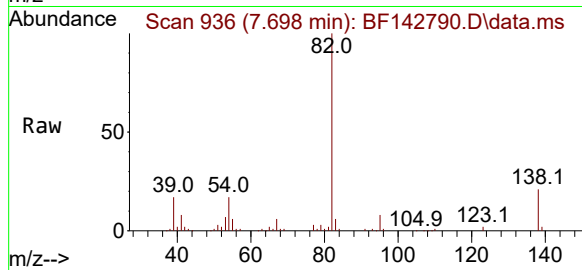




#25
Isophorone
Concen: 9.504 ng
RT: 7.698 min Scan# 91
Delta R.T. -0.006 min
Lab File: BF142790.D
Acq: 19 Jun 2025 18:08

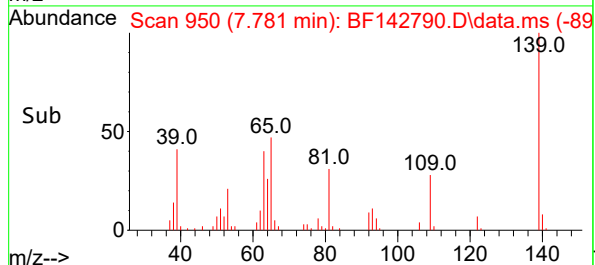
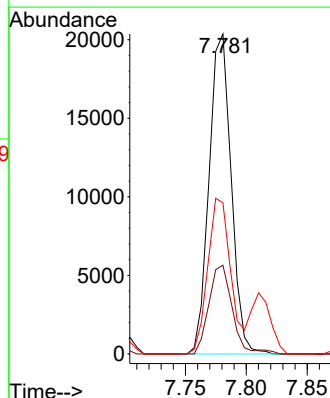
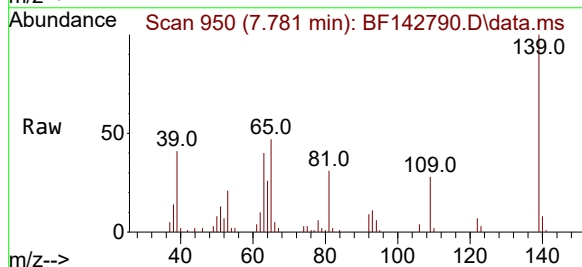
Instrument :
BNA_F
ClientSampleId :
SSTDICC010

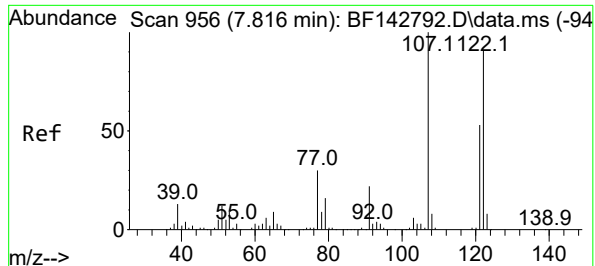
Tgt Ion: 82 Resp: 87205
Ion Ratio Lower Upper
82 100
95 8.0 6.2 9.2
138 20.7 16.2 24.4



#26
2-Nitrophenol
Concen: 9.498 ng
RT: 7.781 min Scan# 950
Delta R.T. 0.000 min
Lab File: BF142790.D
Acq: 19 Jun 2025 18:08

Tgt Ion: 139 Resp: 25734
Ion Ratio Lower Upper
139 100
109 27.7 22.7 34.1
65 47.2 38.6 58.0





#27

2,4-Dimethylphenol

Concen: 10.071 ng

RT: 7.810 min Scan# 91

Delta R.T. -0.006 min

Lab File: BF142790.D

Acq: 19 Jun 2025 18:08

Instrument :

BNA_F

ClientSampleId :

SSTDICC010

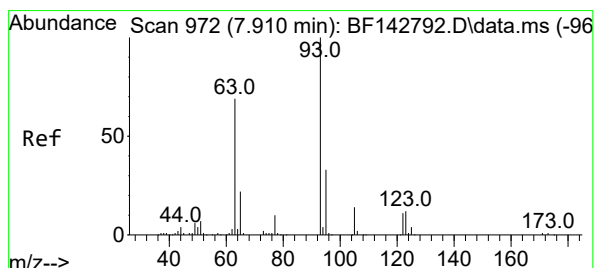
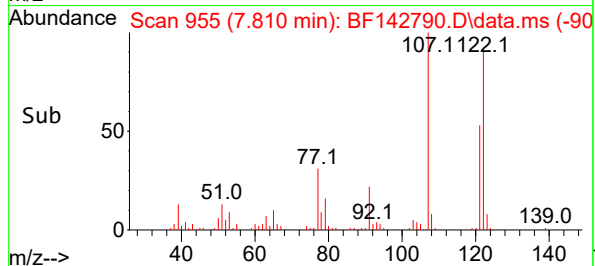
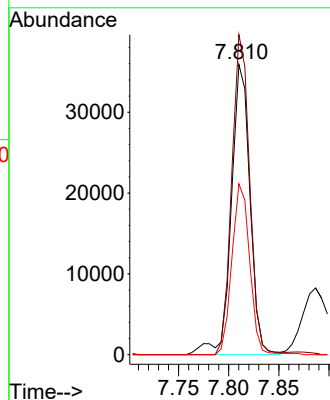
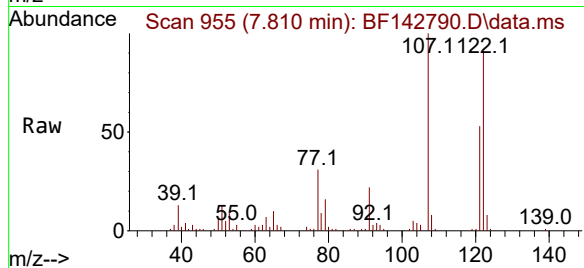
Tgt Ion:122 Resp: 46454

Ion Ratio Lower Upper

122 100

107 110.2 88.0 132.0

121 58.9 46.3 69.5



#28

bis(2-Chloroethoxy)methane

Concen: 9.788 ng

RT: 7.910 min Scan# 972

Delta R.T. 0.000 min

Lab File: BF142790.D

Acq: 19 Jun 2025 18:08

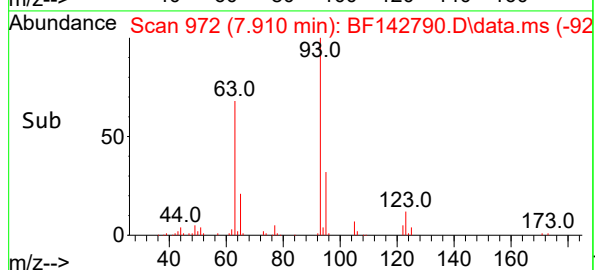
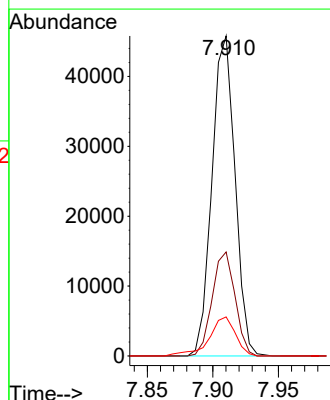
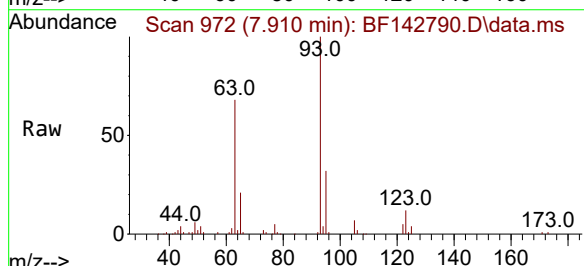
Tgt Ion: 93 Resp: 55907

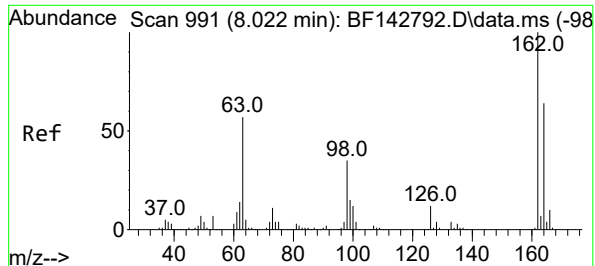
Ion Ratio Lower Upper

93 100

95 32.5 26.2 39.2

123 12.2 9.9 14.9





#29

2,4-Dichlorophenol

Concen: 9.861 ng

RT: 8.022 min Scan# 991

Delta R.T. 0.000 min

Lab File: BF142790.D

Acq: 19 Jun 2025 18:08

Instrument :

BNA_F

ClientSampleId :

SSTDICC010

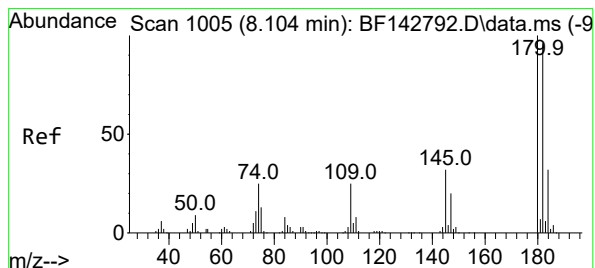
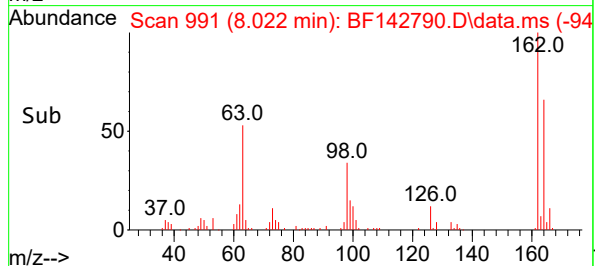
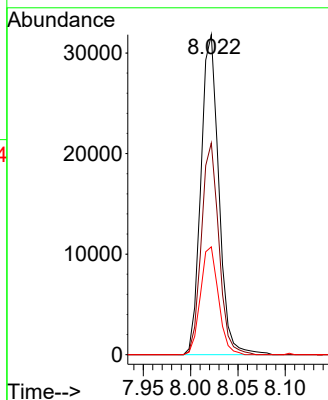
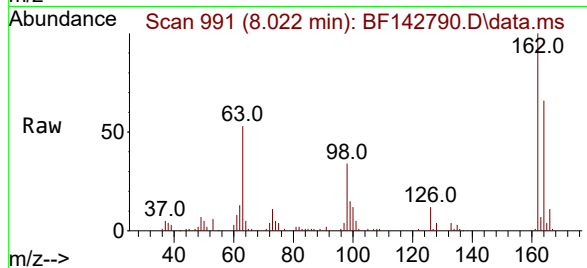
Tgt Ion:162 Resp: 41925

Ion Ratio Lower Upper

162 100

164 66.2 44.0 84.0

98 33.7 15.4 55.4



#30

1,2,4-Trichlorobenzene

Concen: 10.097 ng

RT: 8.104 min Scan# 1005

Delta R.T. 0.000 min

Lab File: BF142790.D

Acq: 19 Jun 2025 18:08

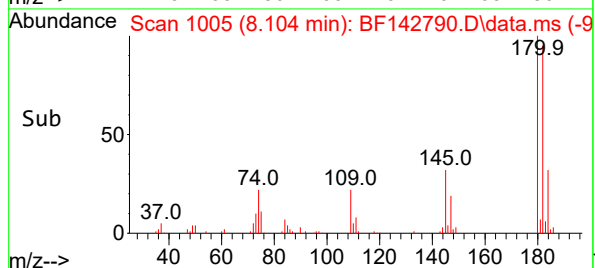
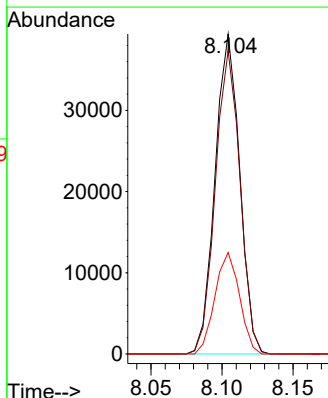
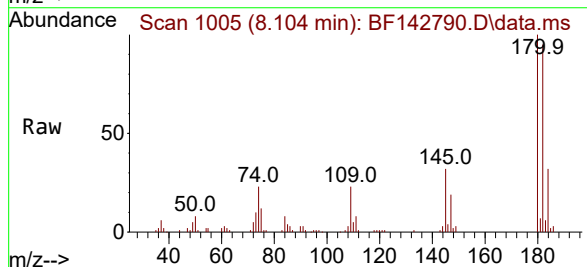
Tgt Ion:180 Resp: 47419

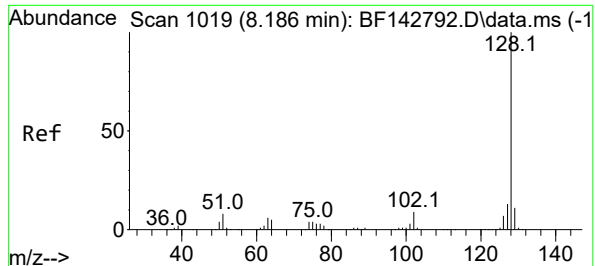
Ion Ratio Lower Upper

180 100

182 94.8 76.4 114.6

145 31.7 25.8 38.8





#31

Naphthalene

Concen: 10.188 ng

RT: 8.187 min Scan# 1

Delta R.T. 0.000 min

Lab File: BF142790.D

Acq: 19 Jun 2025 18:08

Instrument :

BNA_F

ClientSampleId :

SSTDICC010

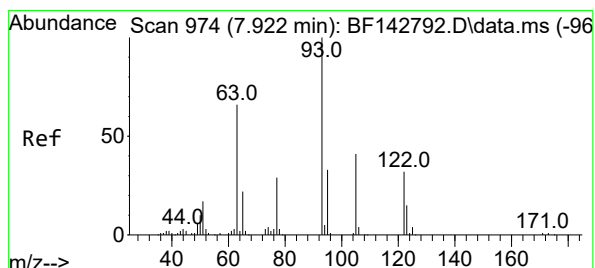
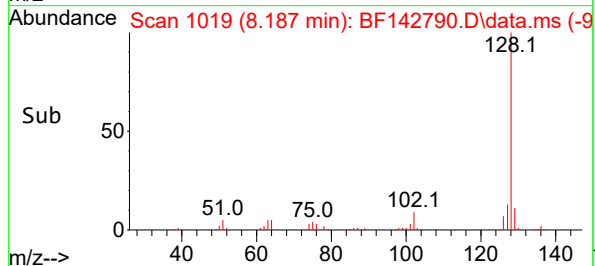
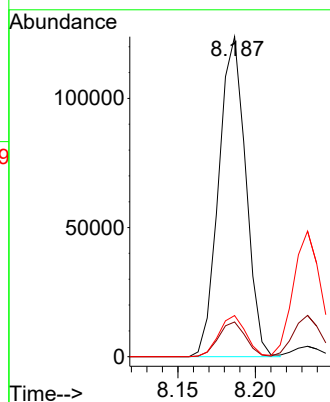
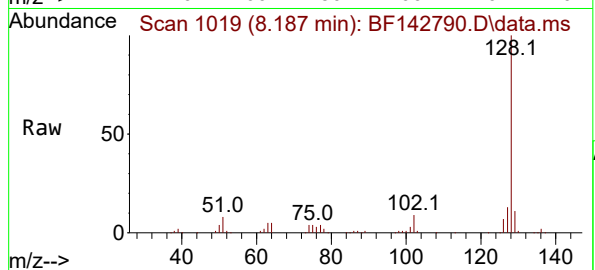
Tgt Ion:128 Resp: 150265

Ion Ratio Lower Upper

128 100

129 10.9 8.9 13.3

127 12.9 10.4 15.6



#32

Benzoic acid

Concen: 6.919 ng

RT: 7.887 min Scan# 968

Delta R.T. -0.035 min

Lab File: BF142790.D

Acq: 19 Jun 2025 18:08

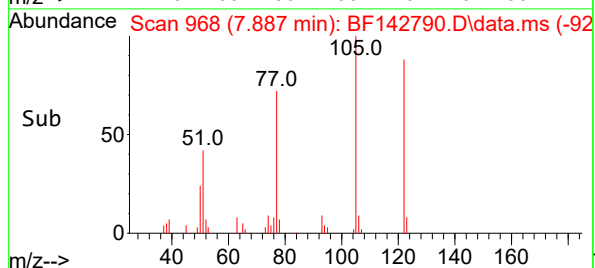
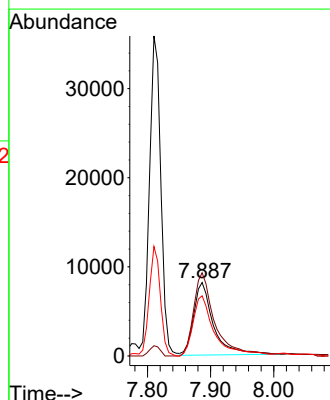
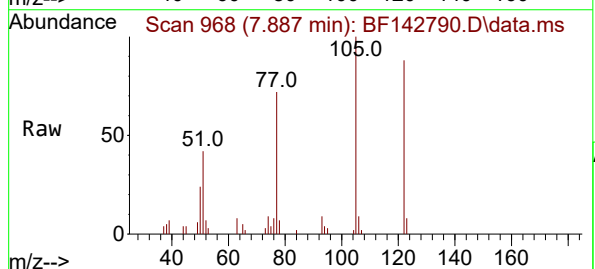
Tgt Ion:122 Resp: 17708

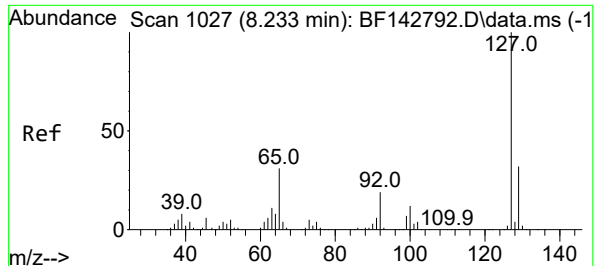
Ion Ratio Lower Upper

122 100

105 113.1 104.7 144.7

77 81.9 70.2 110.2





#33

4-Chloroaniline

Concen: 10.352 ng

RT: 8.234 min Scan# 1027

Delta R.T. 0.000 min

Lab File: BF142790.D

Acq: 19 Jun 2025 18:08

Instrument :

BNA_F

ClientSampleId :

SSTDICC010

Tgt Ion:127 Resp: 61190

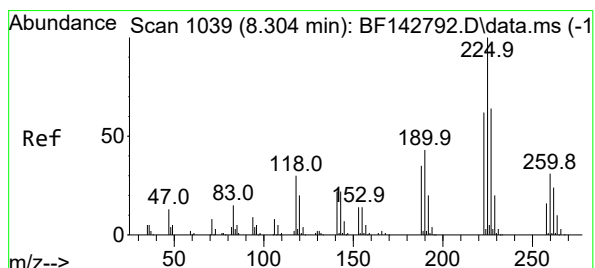
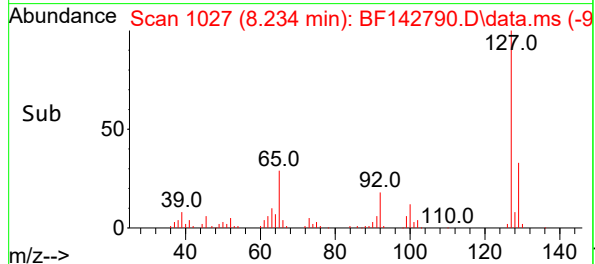
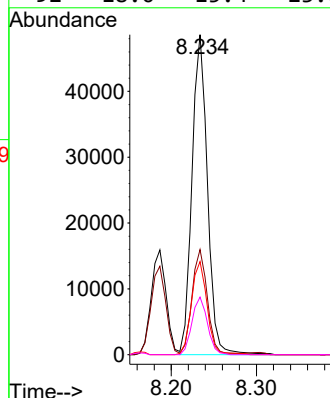
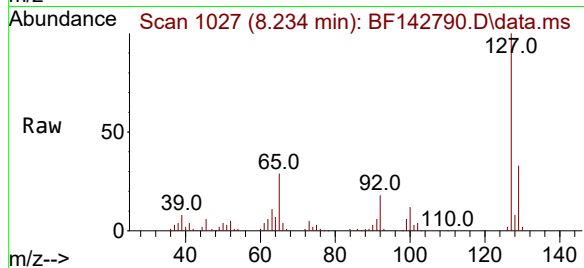
Ion Ratio Lower Upper

127 100

129 32.8 25.9 38.9

65 29.1 24.6 36.8

92 18.0 15.4 23.0



#34

Hexachlorobutadiene

Concen: 9.473 ng

RT: 8.304 min Scan# 1039

Delta R.T. 0.000 min

Lab File: BF142790.D

Acq: 19 Jun 2025 18:08

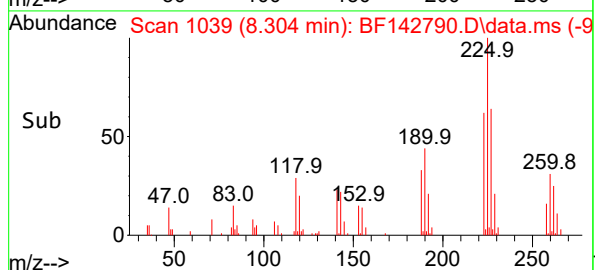
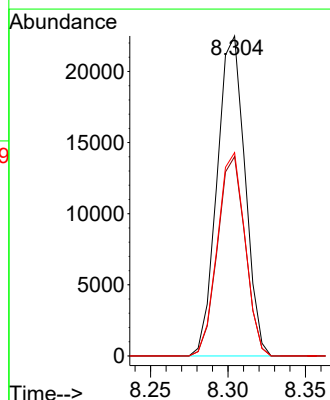
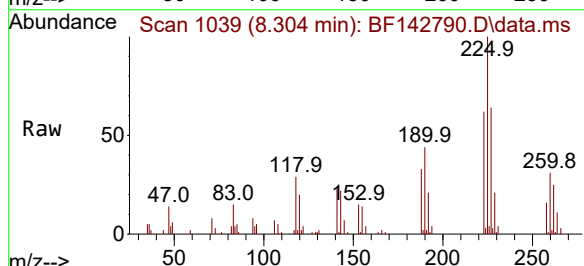
Tgt Ion:225 Resp: 28192

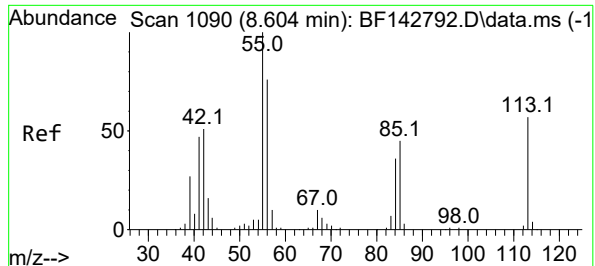
Ion Ratio Lower Upper

225 100

223 62.3 49.9 74.9

227 63.5 51.4 77.0

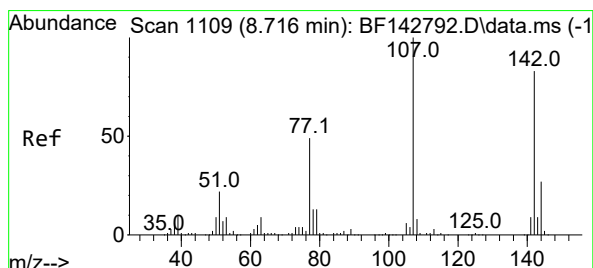
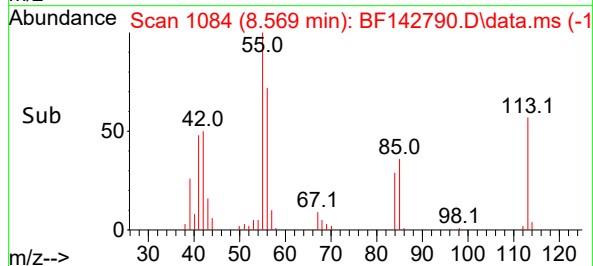
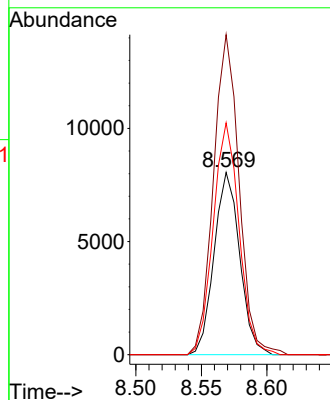
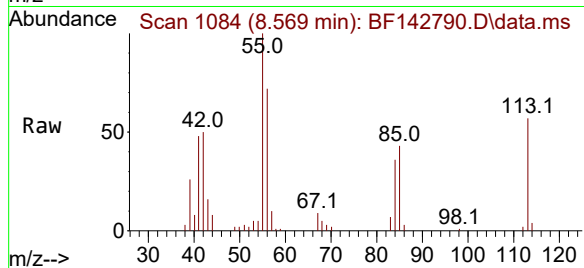




#35
Caprolactam
Concen: 9.557 ng
RT: 8.569 min Scan# 1093
Delta R.T. -0.035 min
Lab File: BF142790.D
Acq: 19 Jun 2025 18:08

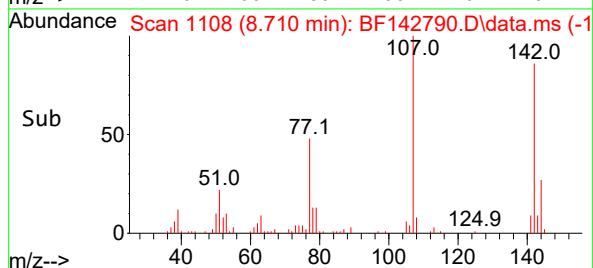
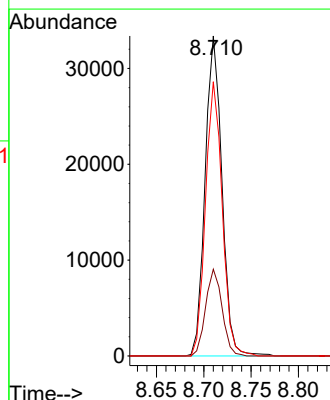
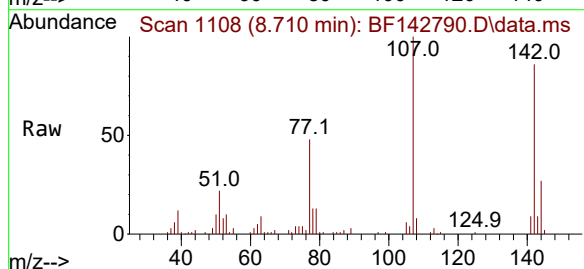
Instrument :
BNA_F
ClientSampleId :
SSTDICC010

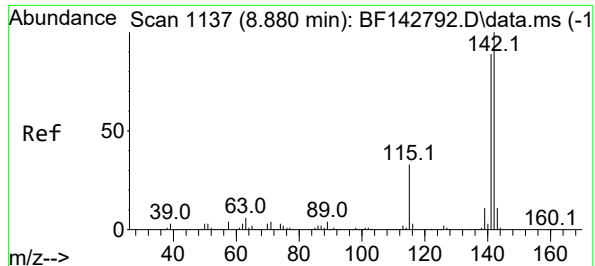
Tgt Ion	Ratio	Lower	Upper
113	100		
55	175.6	154.4	194.4
56	127.2	112.1	152.1



#36
4-Chloro-3-methylphenol
Concen: 9.382 ng
RT: 8.710 min Scan# 1108
Delta R.T. -0.006 min
Lab File: BF142790.D
Acq: 19 Jun 2025 18:08

Tgt Ion	Ratio	Lower	Upper
107	100		
144	27.1	21.3	31.9
142	85.7	66.6	100.0

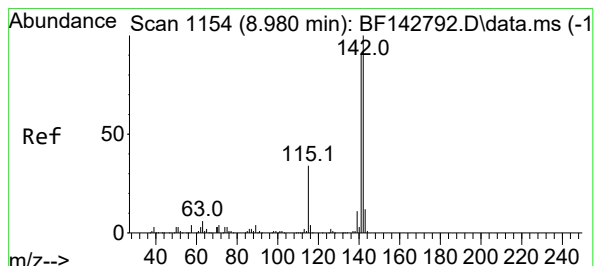
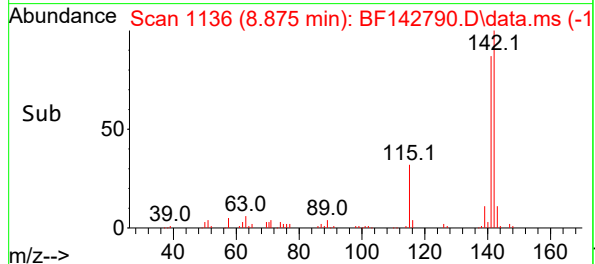
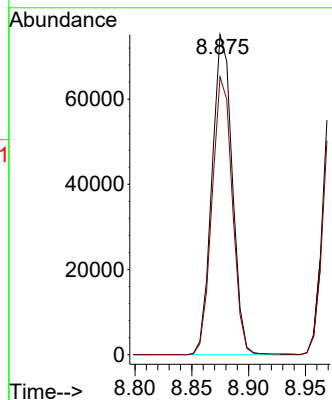
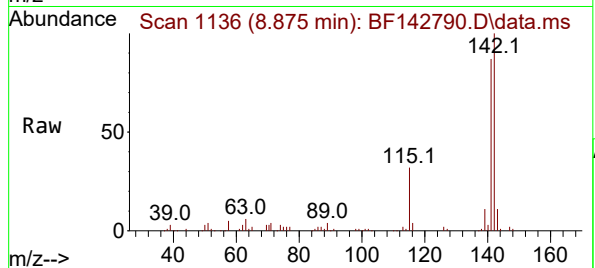




#37
2-Methylnaphthalene
Concen: 10.003 ng
RT: 8.875 min Scan# 1136
Delta R.T. -0.006 min
Lab File: BF142790.D
Acq: 19 Jun 2025 18:08

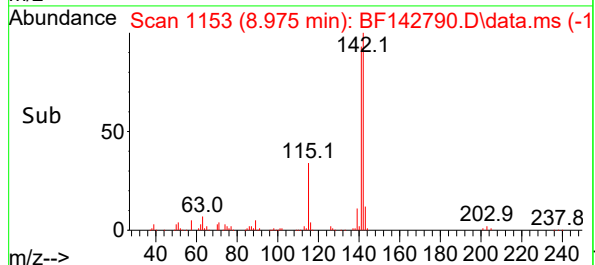
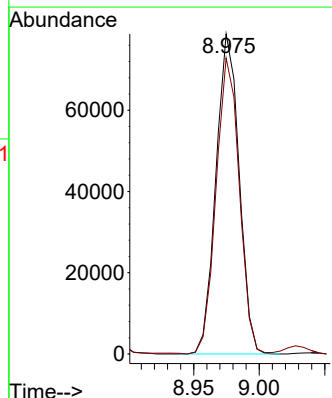
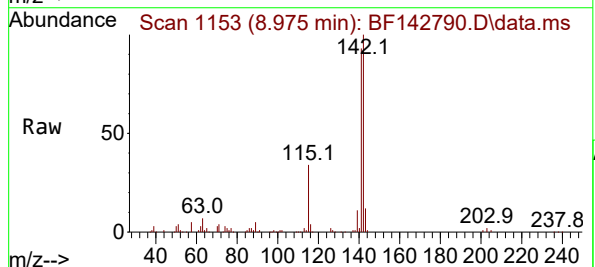
Instrument :
BNA_F
ClientSampleId :
SSTDICC010

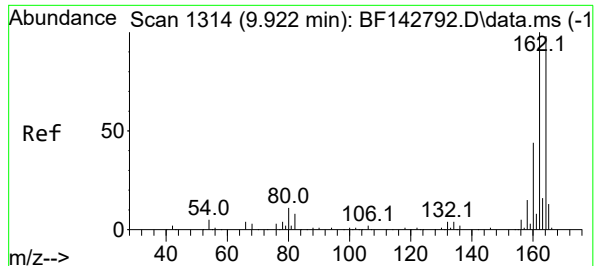
Tgt Ion:142 Resp: 93078
Ion Ratio Lower Upper
142 100
141 86.8 70.9 106.3



#38
1-Methylnaphthalene
Concen: 10.007 ng
RT: 8.975 min Scan# 1153
Delta R.T. -0.006 min
Lab File: BF142790.D
Acq: 19 Jun 2025 18:08

Tgt Ion:142 Resp: 96673
Ion Ratio Lower Upper
142 100
141 92.5 73.0 109.4





#39

Acenaphthene-d10

Concen: 20.000 ng

RT: 9.922 min Scan# 1165

Delta R.T. 0.000 min

Lab File: BF142790.D

Acq: 19 Jun 2025 18:08

Instrument :

BNA_F

ClientSampleId :

SSTDICC010

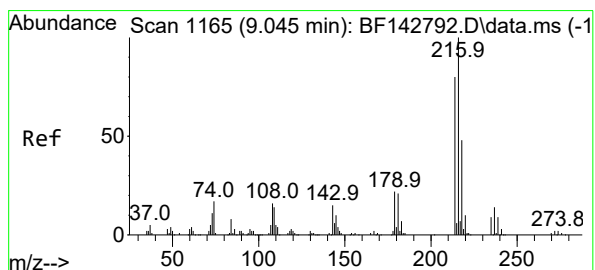
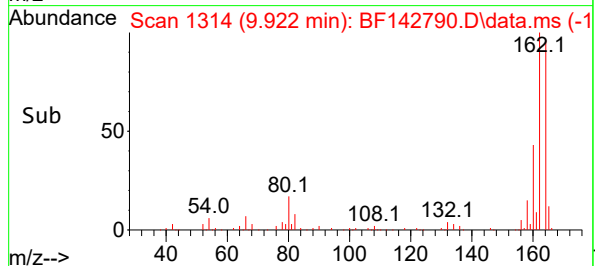
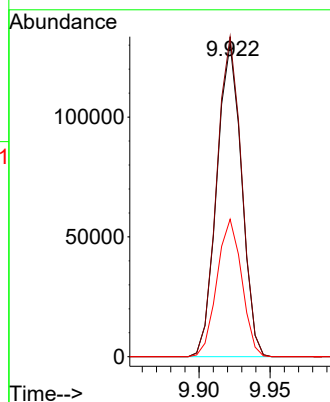
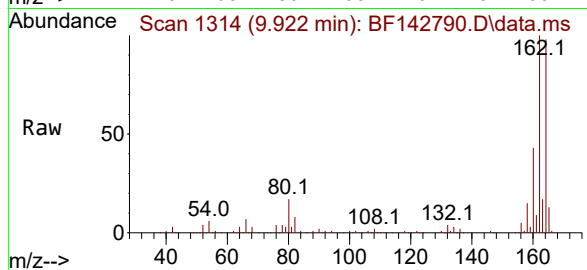
Tgt Ion:164 Resp: 158336

Ion Ratio Lower Upper

164 100

162 102.2 81.8 122.8

160 43.9 36.0 54.0



#40

1,2,4,5-Tetrachlorobenzene

Concen: 10.540 ng

RT: 9.045 min Scan# 1165

Delta R.T. 0.000 min

Lab File: BF142790.D

Acq: 19 Jun 2025 18:08

Tgt Ion:216 Resp: 48175

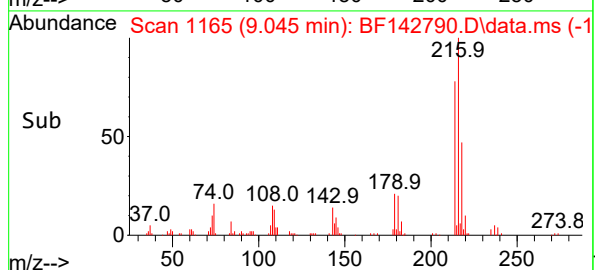
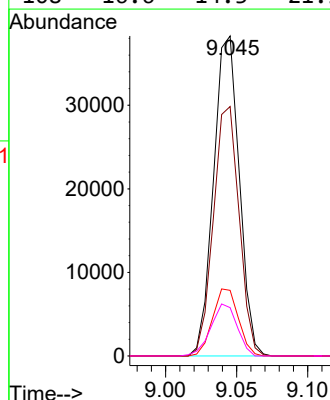
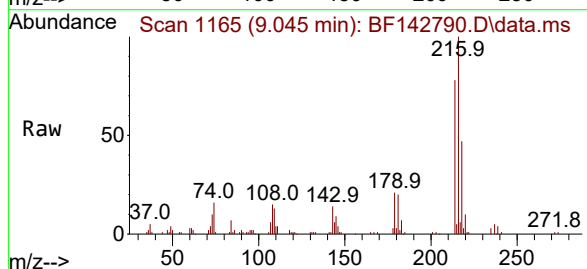
Ion Ratio Lower Upper

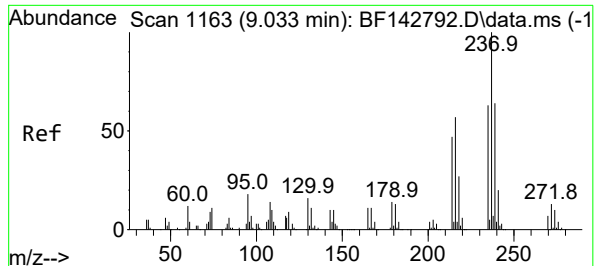
216 100

214 77.9 63.7 95.5

179 21.0 17.6 26.4

108 16.6 14.3 21.5

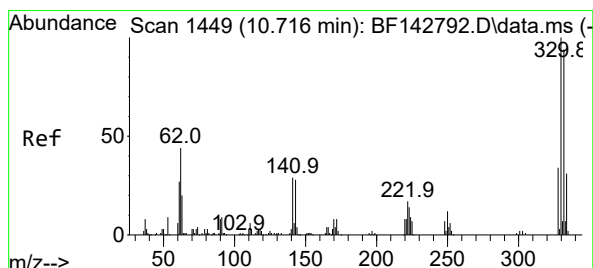
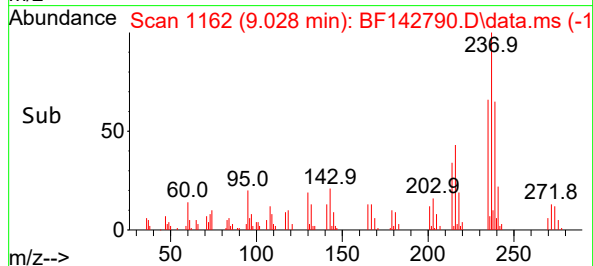
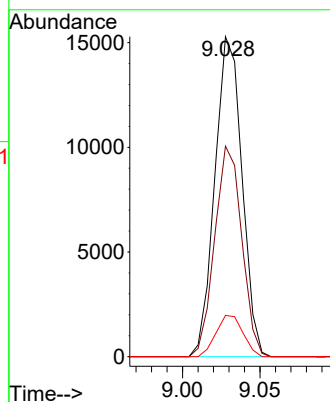
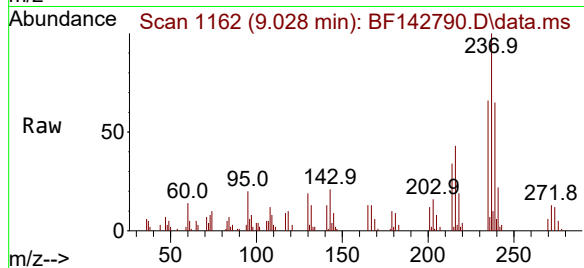




#41
Hexachlorocyclopentadiene
Concen: 6.436 ng
RT: 9.028 min Scan# 1163
Delta R.T. -0.006 min
Lab File: BF142790.D
Acq: 19 Jun 2025 18:08

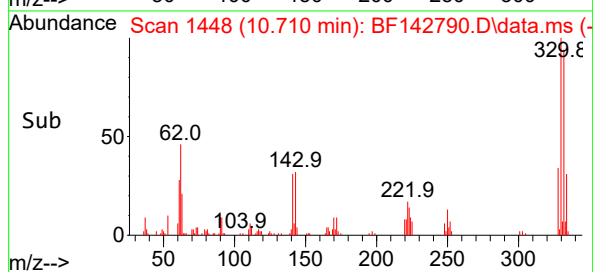
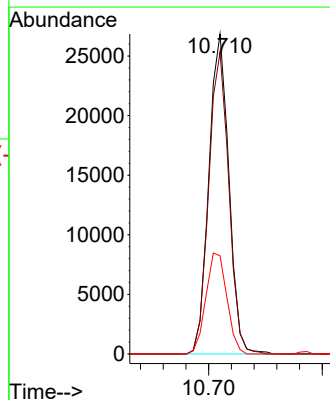
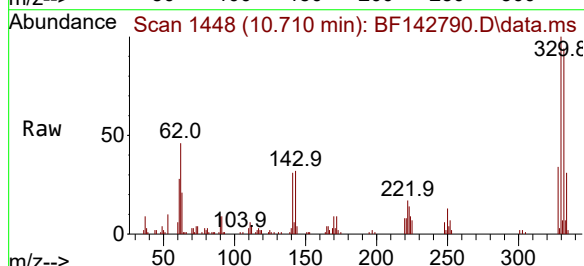
Instrument :
BNA_F
ClientSampleId :
SSTDIC010

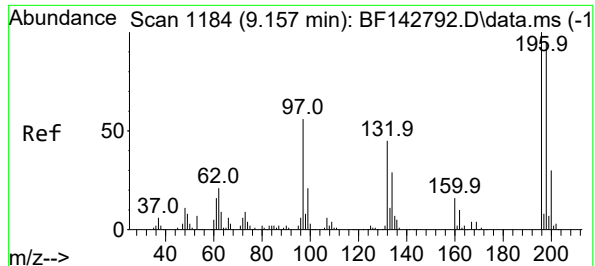
Tgt Ion:237 Resp: 18602
Ion Ratio Lower Upper
237 100
235 65.8 43.4 83.4
272 12.9 0.0 32.7



#42
2,4,6-Tribromophenol
Concen: 19.042 ng
RT: 10.710 min Scan# 1448
Delta R.T. -0.006 min
Lab File: BF142790.D
Acq: 19 Jun 2025 18:08

Tgt Ion:330 Resp: 32767
Ion Ratio Lower Upper
330 100
332 94.6 75.0 112.6
141 33.1 25.3 37.9





#43

2,4,6-Trichlorophenol

Concen: 10.182 ng

RT: 9.157 min Scan# 1184

Delta R.T. 0.000 min

Lab File: BF142790.D

Acq: 19 Jun 2025 18:08

Instrument :

BNA_F

ClientSampleId :

SSTDIC010

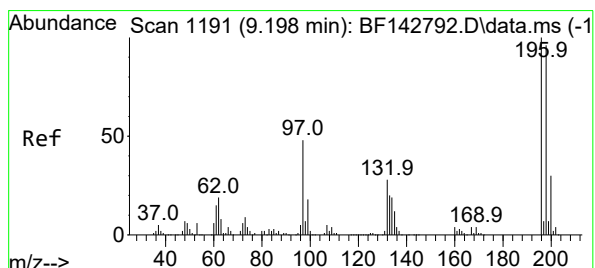
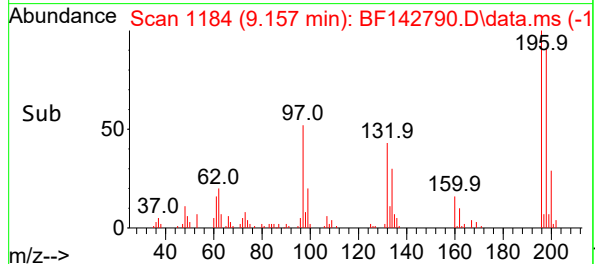
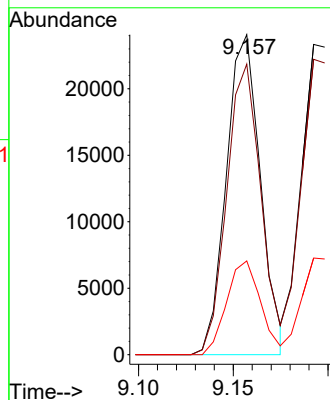
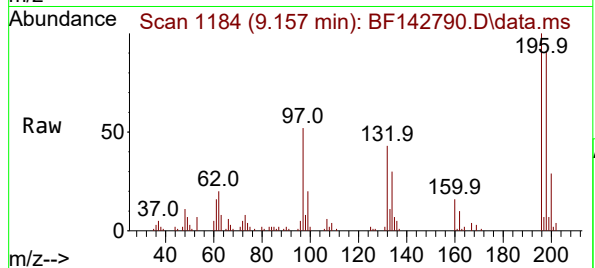
Tgt Ion:196 Resp: 30118

Ion Ratio Lower Upper

196 100

198 90.8 76.2 114.2

200 29.3 24.1 36.1



#44

2,4,5-Trichlorophenol

Concen: 9.987 ng

RT: 9.192 min Scan# 1190

Delta R.T. -0.006 min

Lab File: BF142790.D

Acq: 19 Jun 2025 18:08

Tgt Ion:196 Resp: 31900

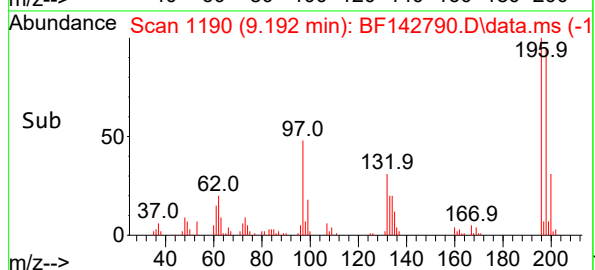
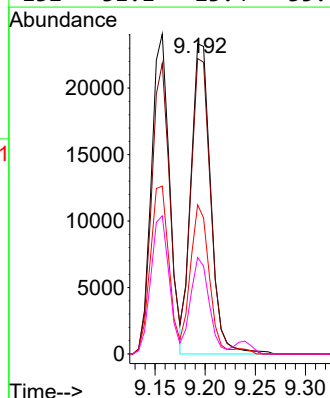
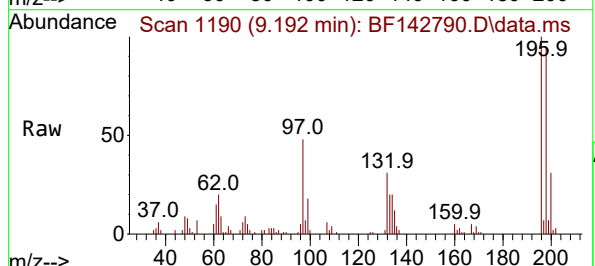
Ion Ratio Lower Upper

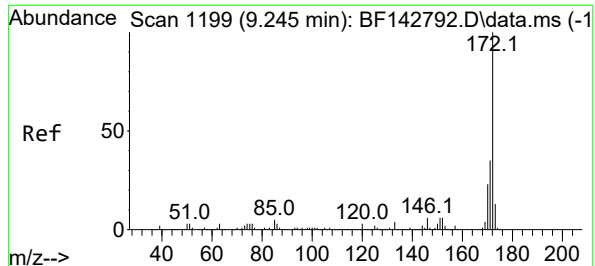
196 100

198 95.2 76.6 115.0

97 48.1 38.2 57.2

132 31.1 23.4 35.0





#45

2-Fluorobiphenyl

Concen: 21.765 ng

RT: 9.239 min Scan# 1198

Delta R.T. -0.006 min

Lab File: BF142790.D

Acq: 19 Jun 2025 18:08

Instrument :

BNA_F

ClientSampleId :

SSTDICC010

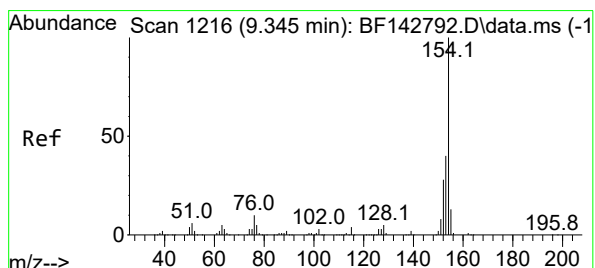
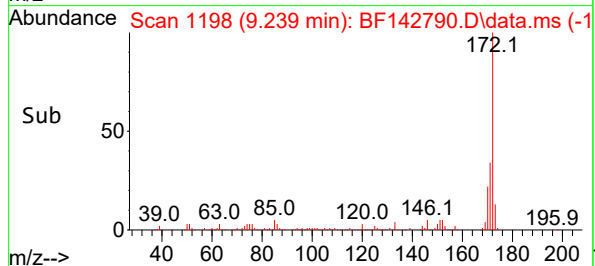
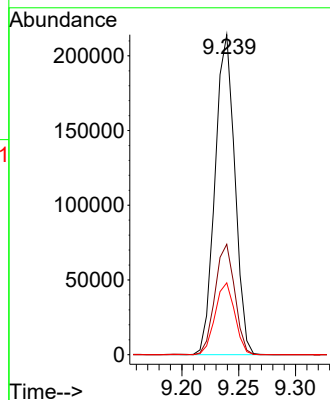
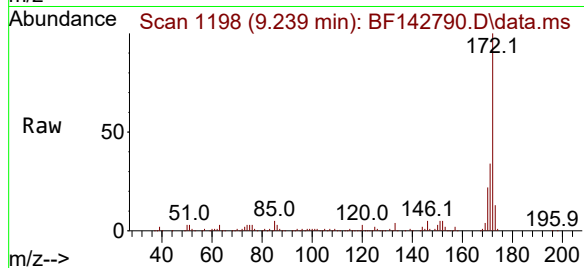
Tgt Ion:172 Resp: 259052

Ion Ratio Lower Upper

172 100

171 34.5 28.2 42.4

170 22.5 18.5 27.7



#46

1,1'-Biphenyl

Concen: 10.404 ng

RT: 9.339 min Scan# 1215

Delta R.T. -0.006 min

Lab File: BF142790.D

Acq: 19 Jun 2025 18:08

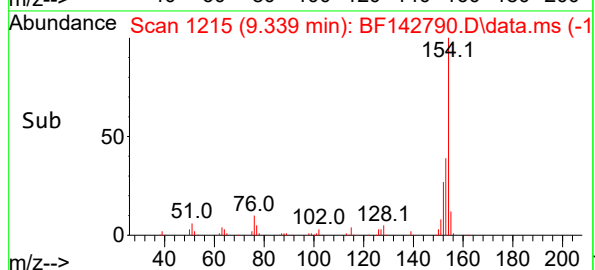
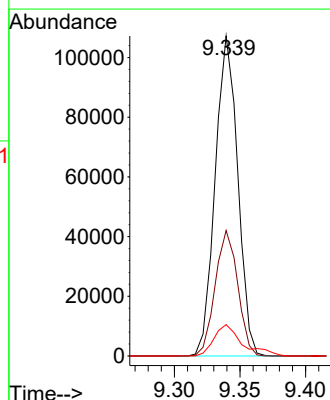
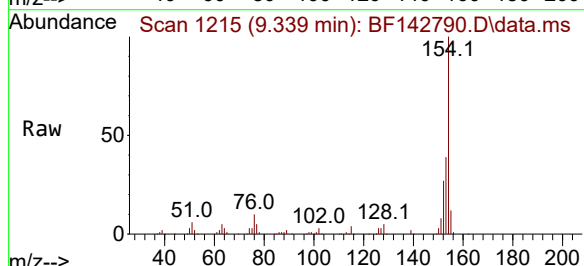
Tgt Ion:154 Resp: 127911

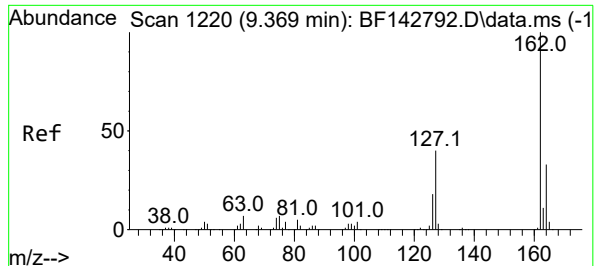
Ion Ratio Lower Upper

154 100

153 39.2 20.3 60.3

76 9.8 0.0 30.3





#47

2-Chloronaphthalene

Concen: 10.493 ng

RT: 9.363 min Scan# 11

Delta R.T. -0.006 min

Lab File: BF142790.D

Acq: 19 Jun 2025 18:08

Instrument :

BNA_F

ClientSampleId :

SSTDICC010

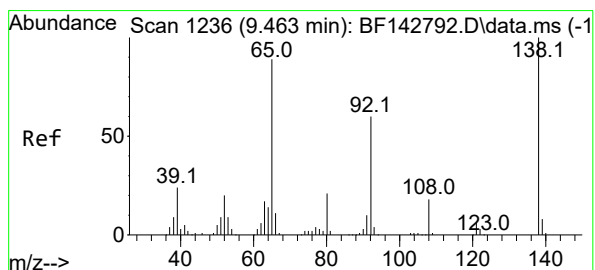
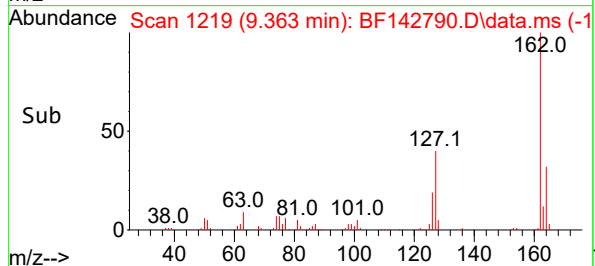
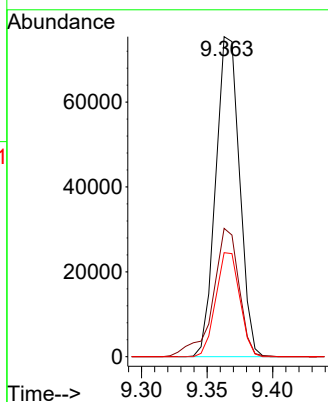
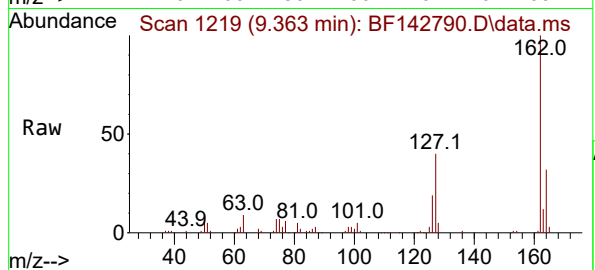
Tgt Ion:162 Resp: 95194

Ion Ratio Lower Upper

162 100

127 40.1 32.2 48.2

164 32.5 26.1 39.1



#48

2-Nitroaniline

Concen: 10.117 ng

RT: 9.457 min Scan# 1235

Delta R.T. -0.006 min

Lab File: BF142790.D

Acq: 19 Jun 2025 18:08

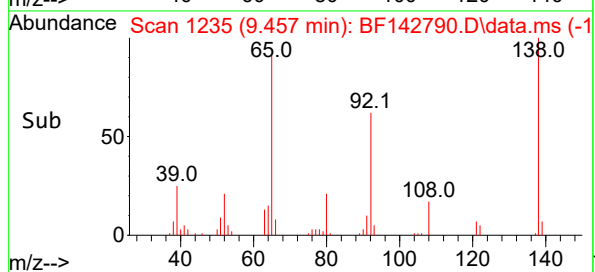
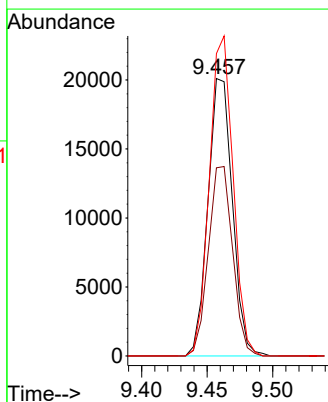
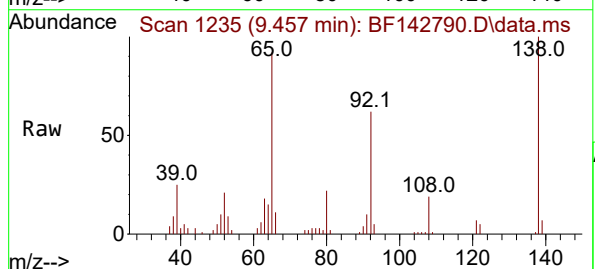
Tgt Ion: 65 Resp: 26075

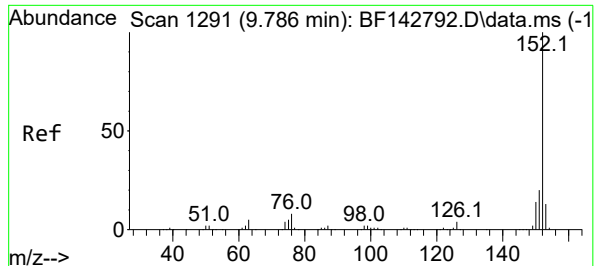
Ion Ratio Lower Upper

65 100

92 67.8 53.8 80.6

138 109.0 89.6 134.4





#49

Acenaphthylene

Concen: 10.415 ng

RT: 9.781 min Scan# 11

Delta R.T. -0.006 min

Lab File: BF142790.D

Acq: 19 Jun 2025 18:08

Instrument :

BNA_F

ClientSampleId :

SSTDICC010

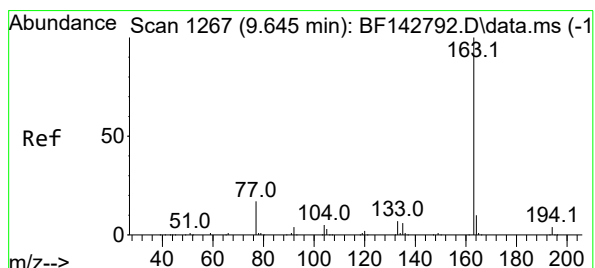
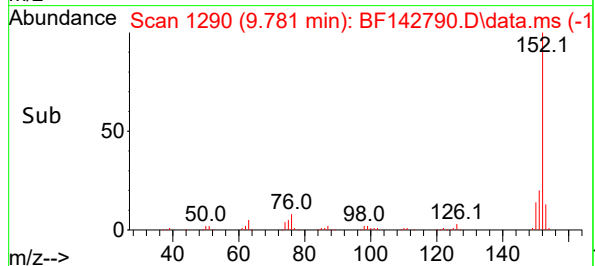
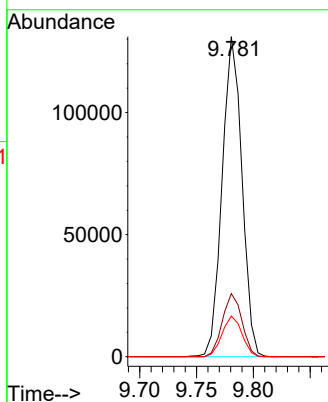
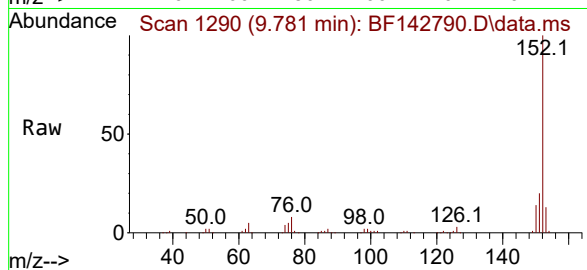
Tgt Ion:152 Resp: 158842

Ion Ratio Lower Upper

152 100

151 19.7 16.1 24.1

153 12.7 10.4 15.6



#50

Dimethylphthalate

Concen: 10.058 ng

RT: 9.634 min Scan# 1265

Delta R.T. -0.012 min

Lab File: BF142790.D

Acq: 19 Jun 2025 18:08

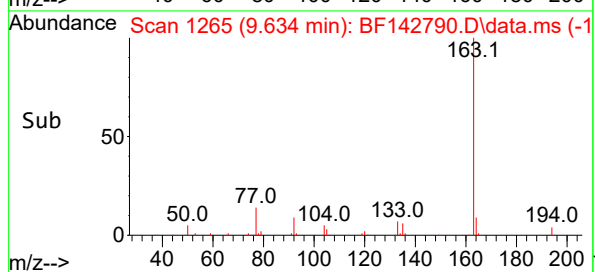
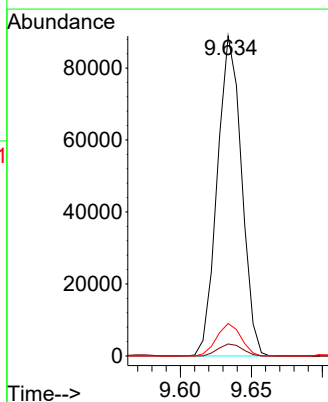
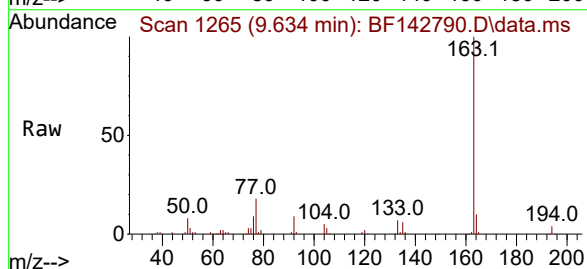
Tgt Ion:163 Resp: 105636

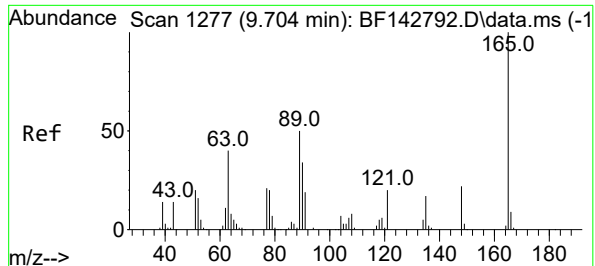
Ion Ratio Lower Upper

163 100

194 3.8 3.3 4.9

164 10.1 8.0 12.0

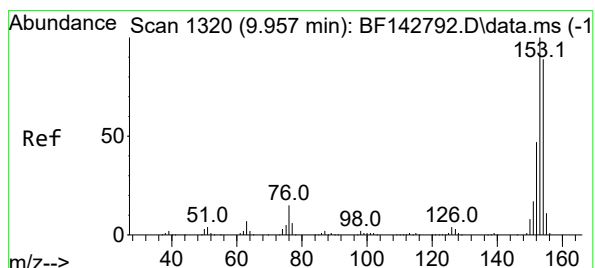
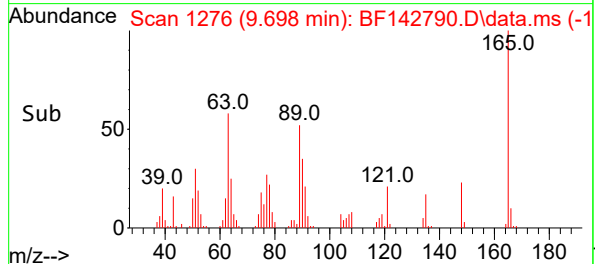
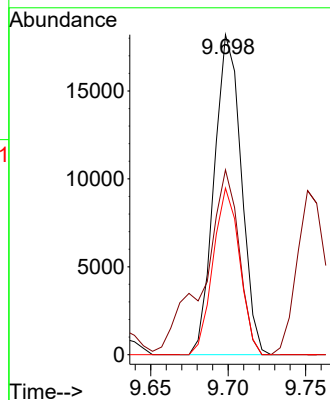
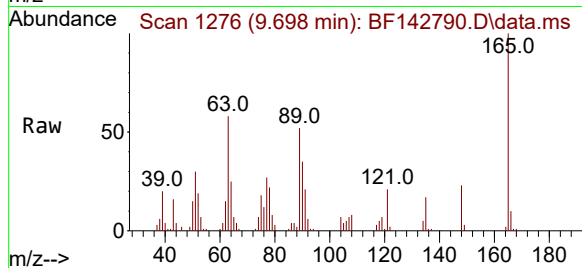




#51
2,6-Dinitrotoluene
Concen: 9.714 ng
RT: 9.698 min Scan# 11
Delta R.T. -0.006 min
Lab File: BF142790.D
Acq: 19 Jun 2025 18:08

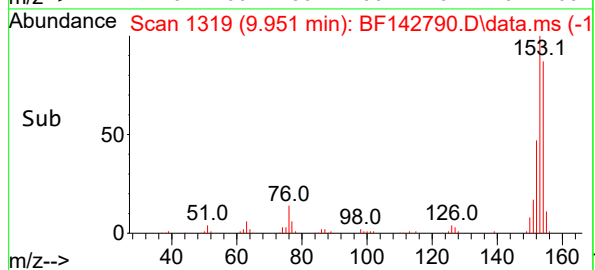
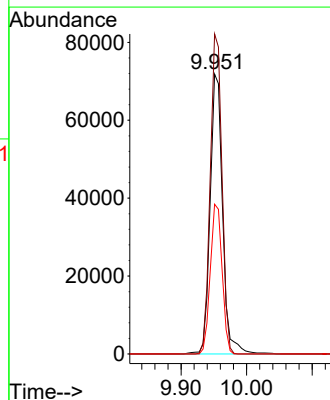
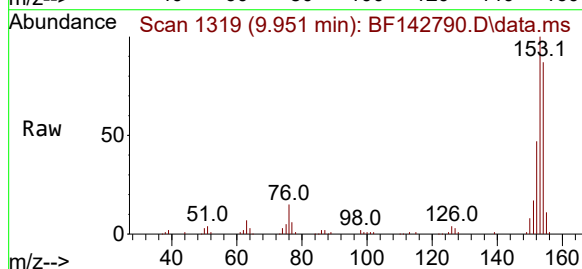
Instrument :
BNA_F
ClientSampleId :
SSTDICC010

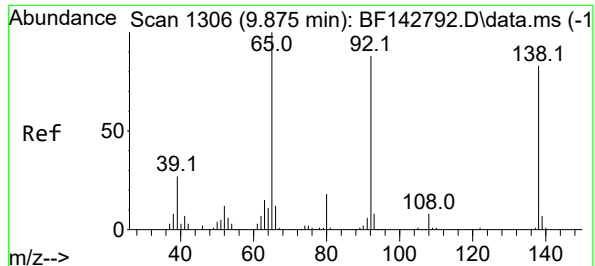
Tgt Ion	165	Resp	22116
Ion Ratio	Lower	Upper	
165	100		
63	57.7	44.2	66.4
89	52.1	39.8	59.8



#52
Acenaphthene
Concen: 10.062 ng
RT: 9.951 min Scan# 1319
Delta R.T. -0.006 min
Lab File: BF142790.D
Acq: 19 Jun 2025 18:08

Tgt Ion	154	Resp	94961
Ion Ratio	Lower	Upper	
154	100		
153	114.4	90.0	135.0
152	53.5	41.9	62.9

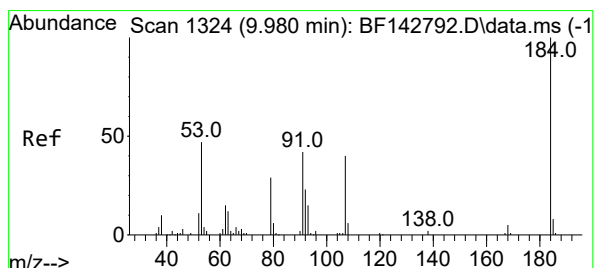
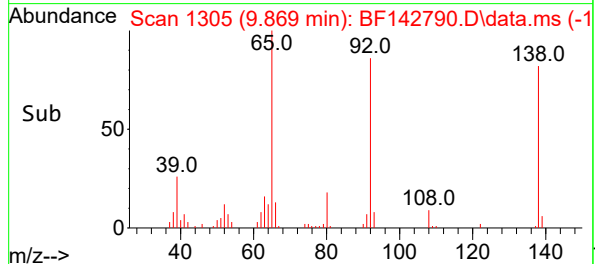
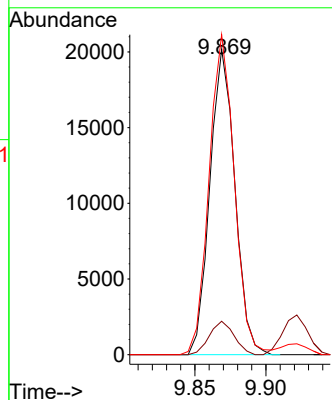
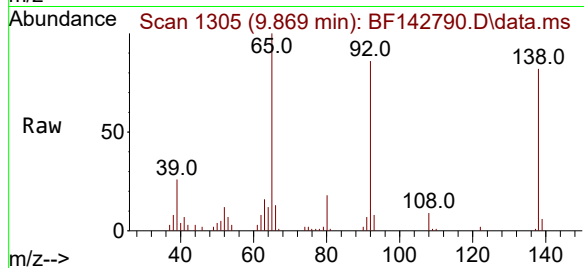




#53
3-Nitroaniline
Concen: 9.968 ng
RT: 9.869 min Scan# 11
Delta R.T. -0.006 min
Lab File: BF142790.D
Acq: 19 Jun 2025 18:08

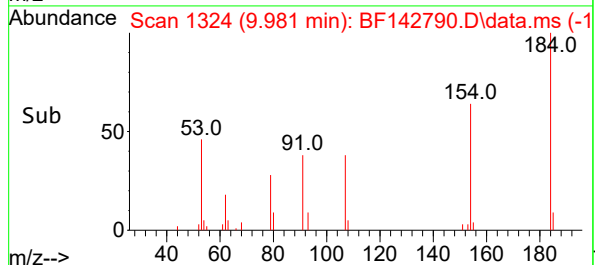
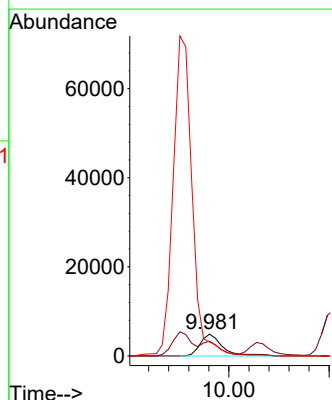
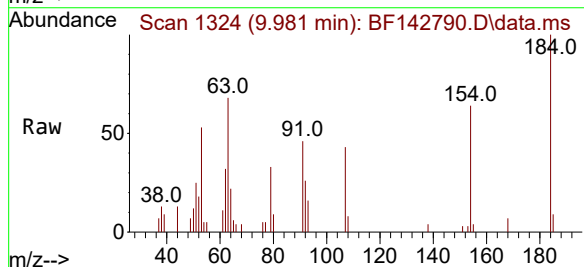
Instrument :
BNA_F
ClientSampleId :
SSTDICC010

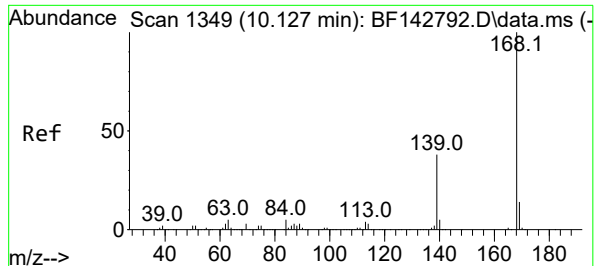
Tgt Ion	Ratio	Lower	Upper
138	100		
108	10.9	8.1	12.1
92	104.8	85.1	127.7



#54
2,4-Dinitrophenol
Concen: 6.104 ng
RT: 9.981 min Scan# 1324
Delta R.T. 0.000 min
Lab File: BF142790.D
Acq: 19 Jun 2025 18:08

Tgt Ion	Ratio	Lower	Upper
184	100		
63	67.7	50.6	75.8
154	64.1	51.8	77.8

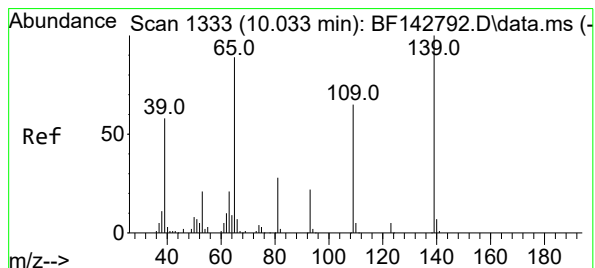
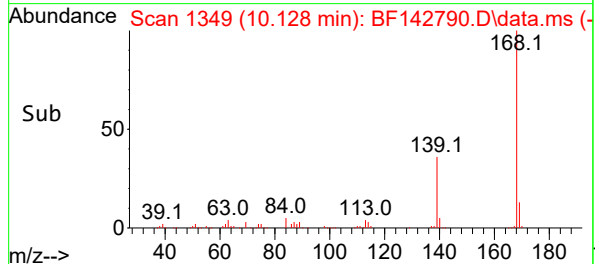
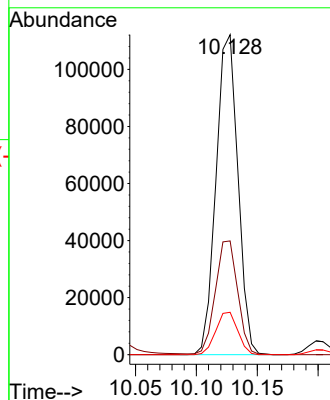
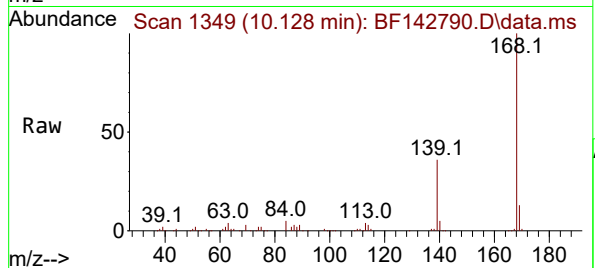




#55
Dibenzofuran
Concen: 10.416 ng
RT: 10.128 min Scan# 11
Delta R.T. 0.000 min
Lab File: BF142790.D
Acq: 19 Jun 2025 18:08

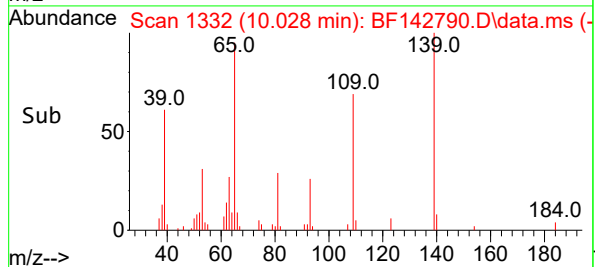
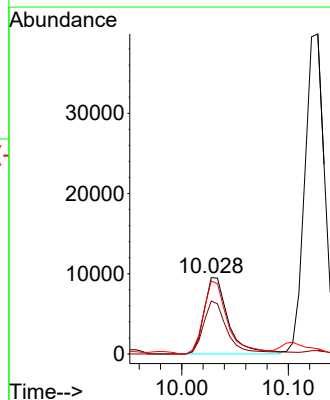
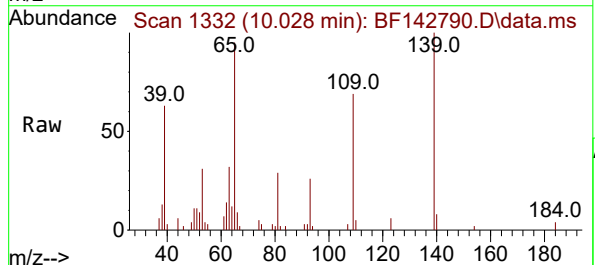
Instrument :
BNA_F
ClientSampleId :
SSTDICC010

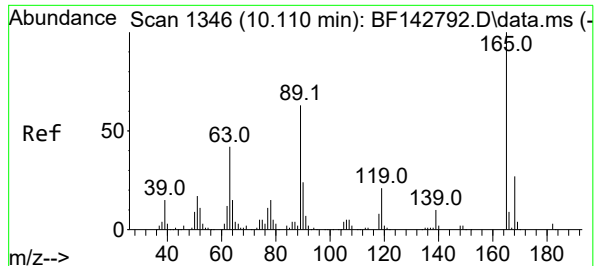
Tgt Ion:168 Resp: 140256
Ion Ratio Lower Upper
168 100
139 35.6 30.2 45.4
169 13.3 10.8 16.2



#56
4-Nitrophenol
Concen: 8.927 ng
RT: 10.028 min Scan# 1332
Delta R.T. -0.006 min
Lab File: BF142790.D
Acq: 19 Jun 2025 18:08

Tgt Ion:139 Resp: 14986
Ion Ratio Lower Upper
139 100
109 69.3 44.7 84.7
65 95.5 69.8 109.8

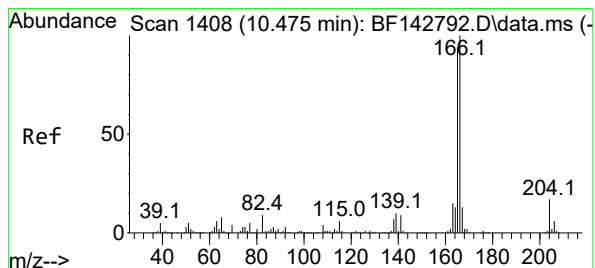
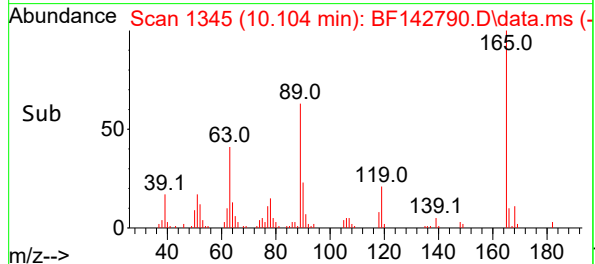
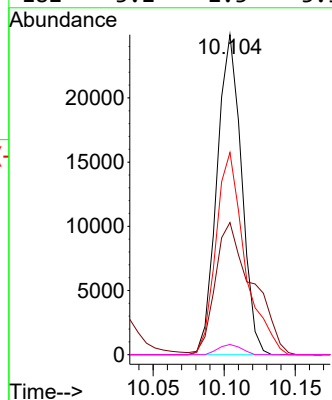
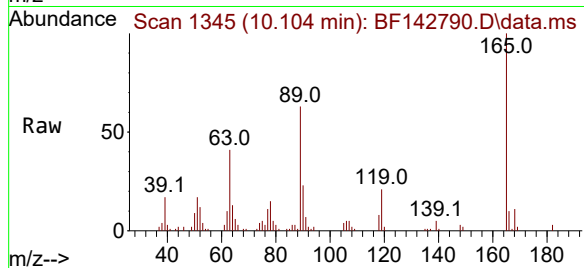




#57
2,4-Dinitrotoluene
Concen: 9.943 ng
RT: 10.104 min Scan# 11
Delta R.T. -0.006 min
Lab File: BF142790.D
Acq: 19 Jun 2025 18:08

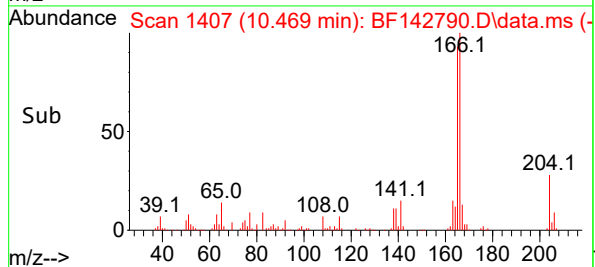
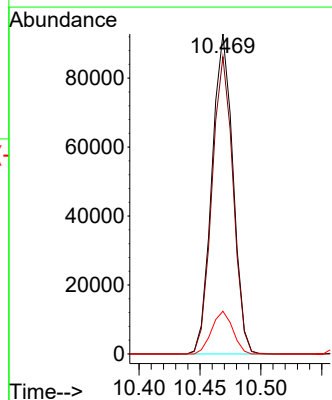
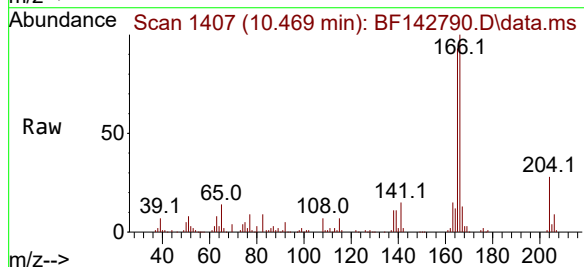
Instrument :
BNA_F
ClientSampleId :
SSTDICC010

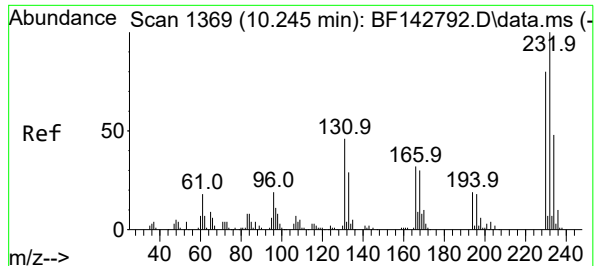
Tgt Ion:165 Resp: 29934
Ion Ratio Lower Upper
165 100
63 41.3 33.9 50.9
89 63.2 50.6 75.8
182 3.2 2.3 3.5



#58
Fluorene
Concen: 10.518 ng
RT: 10.469 min Scan# 1407
Delta R.T. -0.006 min
Lab File: BF142790.D
Acq: 19 Jun 2025 18:08

Tgt Ion:166 Resp: 111772
Ion Ratio Lower Upper
166 100
165 92.9 75.2 112.8
167 13.3 10.6 15.8

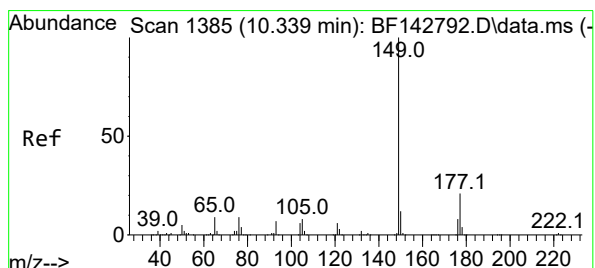
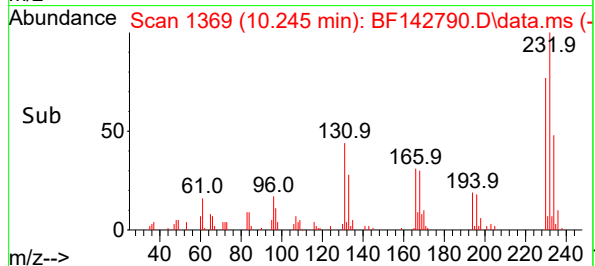
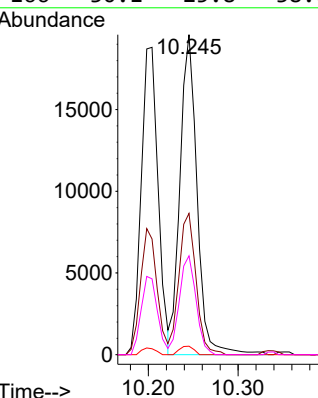
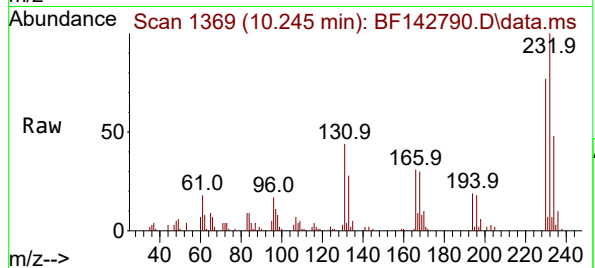




#59
2,3,4,6-Tetrachlorophenol
Concen: 9.666 ng
RT: 10.245 min Scan# 1369
Delta R.T. 0.000 min
Lab File: BF142790.D
Acq: 19 Jun 2025 18:08

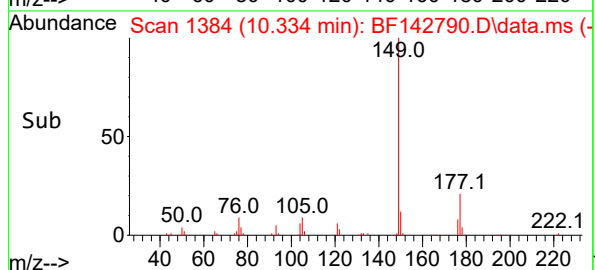
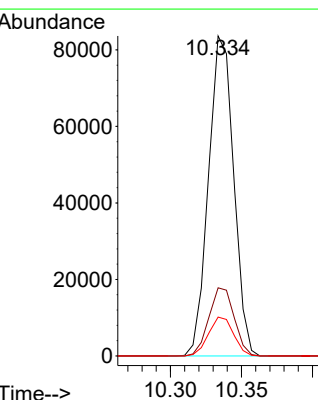
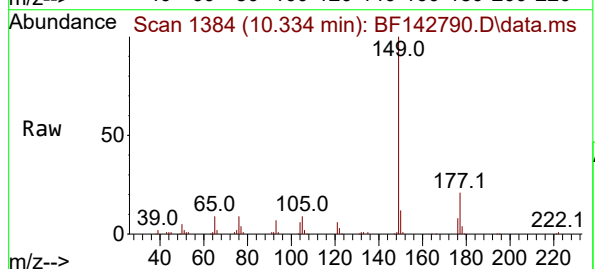
Instrument :
BNA_F
ClientSampleId :
SSTDICC010

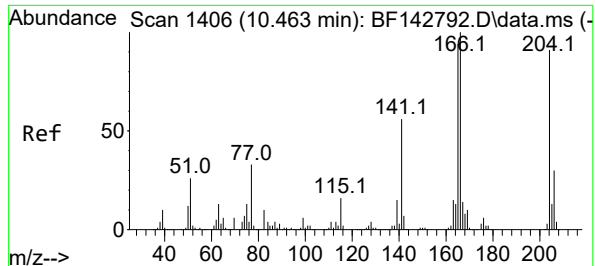
Tgt Ion:232 Resp: 25885
Ion Ratio Lower Upper
232 100
131 44.2 37.6 56.4
130 2.2 1.7 2.5
166 30.1 25.8 38.6



#60
Diethylphthalate
Concen: 9.877 ng
RT: 10.334 min Scan# 1384
Delta R.T. -0.006 min
Lab File: BF142790.D
Acq: 19 Jun 2025 18:08

Tgt Ion:149 Resp: 103048
Ion Ratio Lower Upper
149 100
177 21.3 17.0 25.6
150 12.2 9.8 14.6

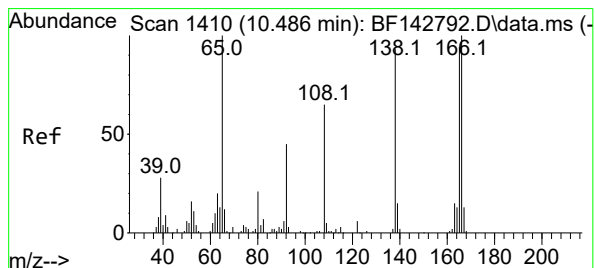
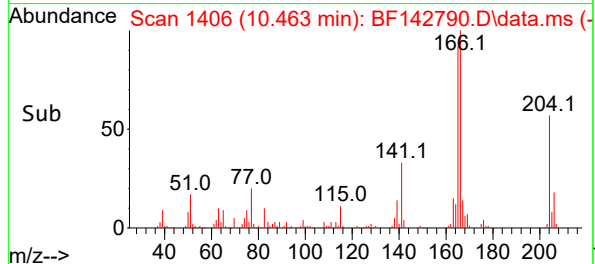
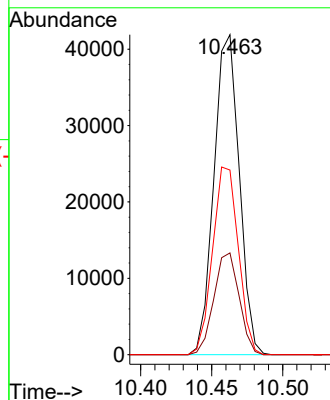
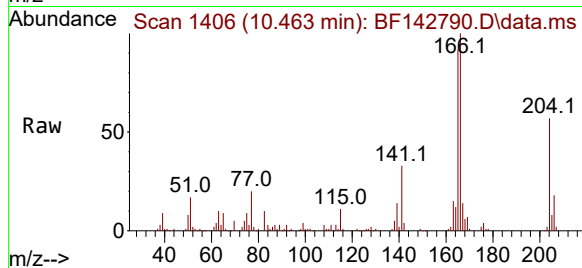




#61
4-Chlorophenyl-phenylether
Concen: 10.067 ng
RT: 10.463 min Scan# 1406
Delta R.T. 0.000 min
Lab File: BF142790.D
Acq: 19 Jun 2025 18:08

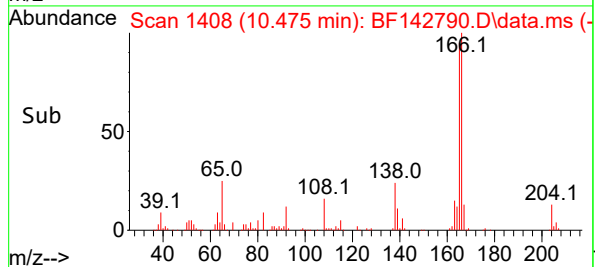
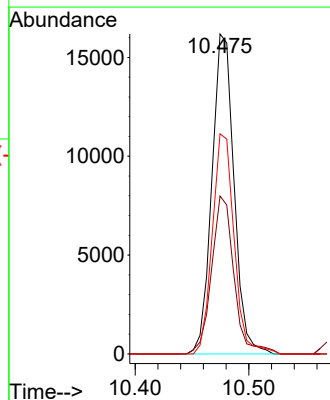
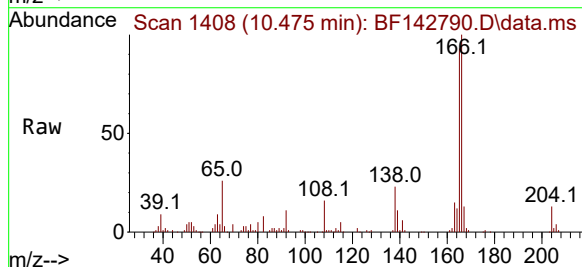
Instrument :
BNA_F
ClientSampleId :
SSTDICC010

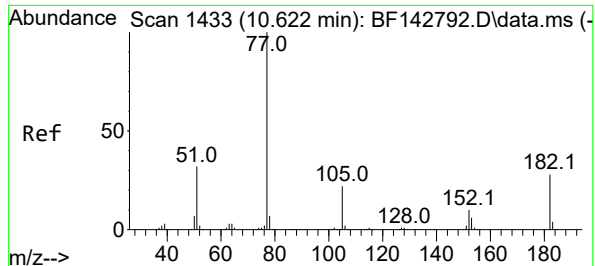
Tgt Ion:204 Resp: 51958
Ion Ratio Lower Upper
204 100
206 31.8 26.3 39.5
141 57.7 49.1 73.7



#62
4-Nitroaniline
Concen: 9.854 ng
RT: 10.475 min Scan# 1408
Delta R.T. -0.012 min
Lab File: BF142790.D
Acq: 19 Jun 2025 18:08

Tgt Ion:138 Resp: 21876
Ion Ratio Lower Upper
138 100
92 49.3 28.4 68.4
108 68.8 50.2 90.2

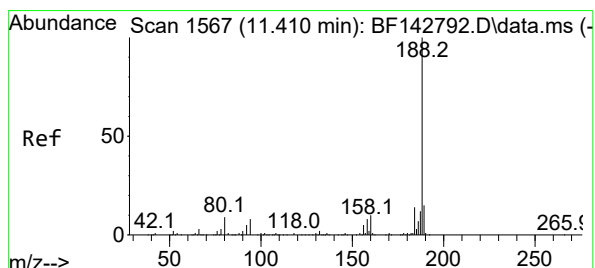
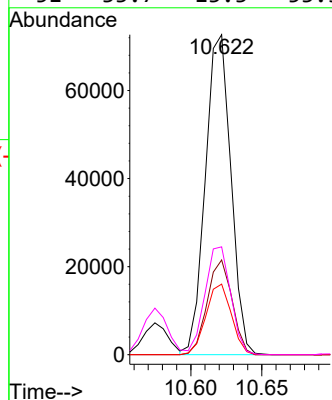
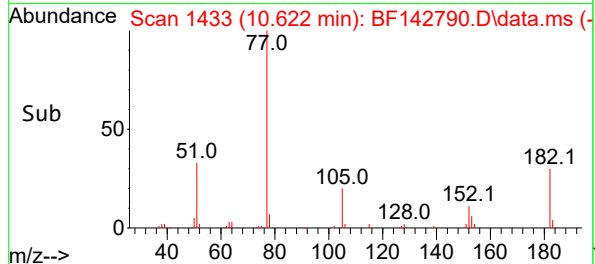
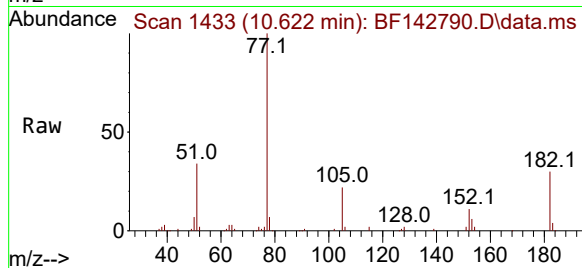




#63
Azobenzene
Concen: 9.977 ng
RT: 10.622 min Scan# 1433
Delta R.T. 0.000 min
Lab File: BF142790.D
Acq: 19 Jun 2025 18:08

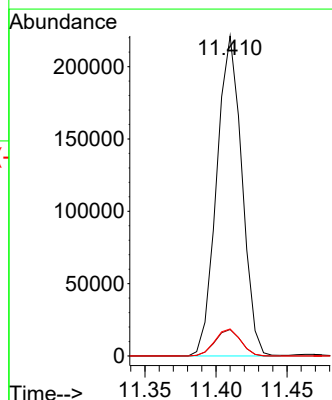
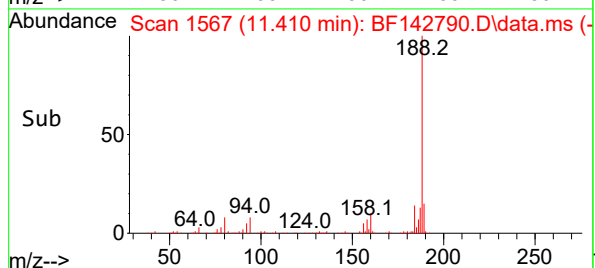
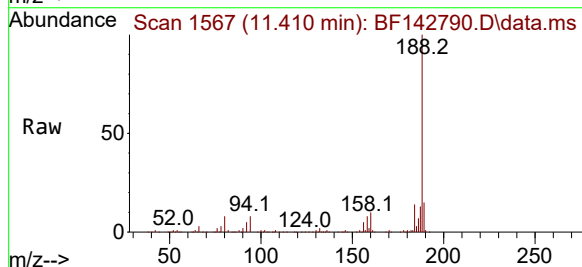
Instrument :
BNA_F
ClientSampleId :
SSTDICC010

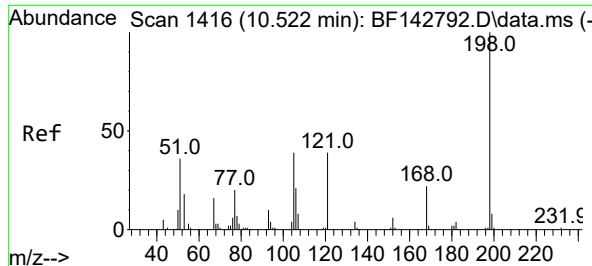
Tgt Ion:	77	Resp:	90965
Ion	Ratio	Lower	Upper
77	100		
182	29.6	7.7	47.7
105	22.0	1.9	41.9
51	33.7	13.3	53.3



#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.410 min Scan# 1567
Delta R.T. 0.000 min
Lab File: BF142790.D
Acq: 19 Jun 2025 18:08

Tgt Ion:	188	Resp:	273084
Ion	Ratio	Lower	Upper
188	100		
94	8.2	6.7	10.1
80	8.5	6.9	10.3

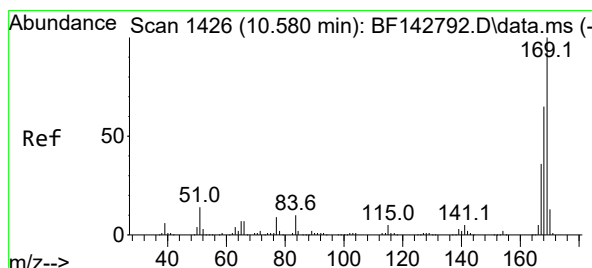
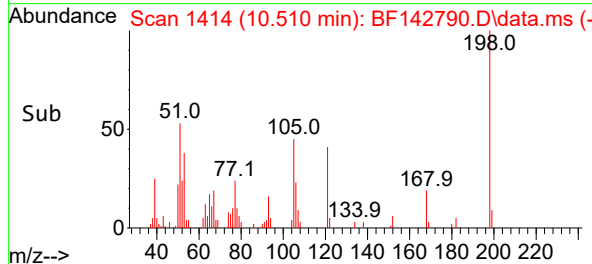
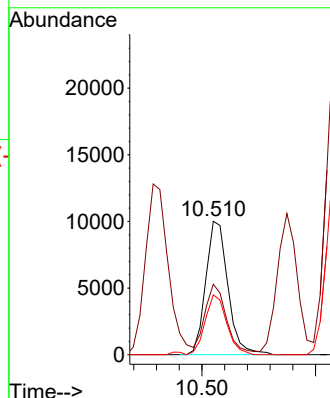
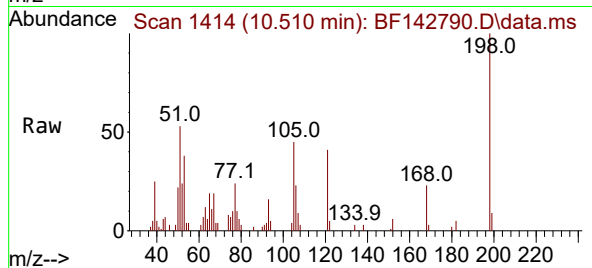




#65
4,6-Dinitro-2-methylphenol
Concen: 7.982 ng
RT: 10.510 min Scan# 1416
Delta R.T. -0.012 min
Lab File: BF142790.D
Acq: 19 Jun 2025 18:08

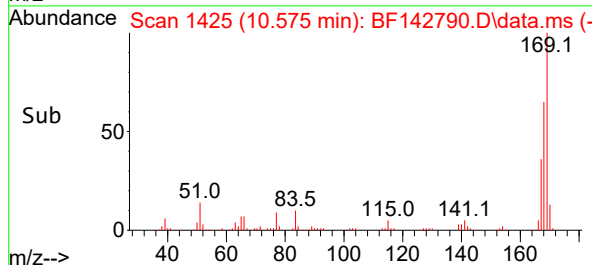
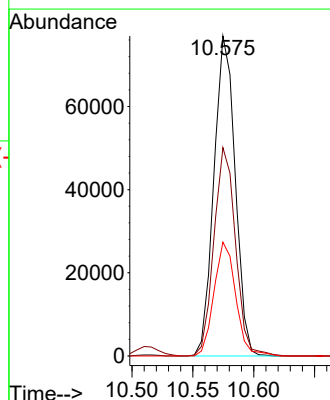
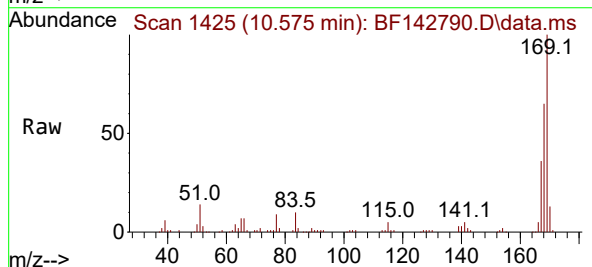
Instrument :
BNA_F
ClientSampleId :
SSTDIC010

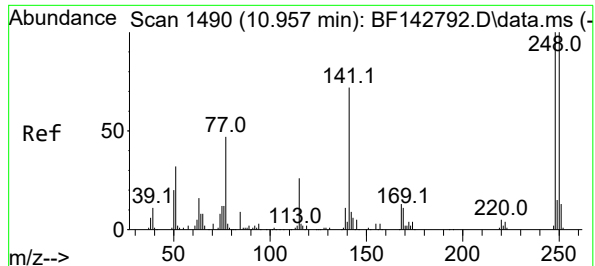
Tgt Ion	Ratio	Lower	Upper
198	100		
51	52.8	25.4	65.4
105	44.8	20.4	60.4



#66
n-Nitrosodiphenylamine
Concen: 9.978 ng
RT: 10.575 min Scan# 1425
Delta R.T. -0.006 min
Lab File: BF142790.D
Acq: 19 Jun 2025 18:08

Tgt Ion	Ratio	Lower	Upper
169	100		
168	65.1	51.9	77.9
167	35.6	28.5	42.7

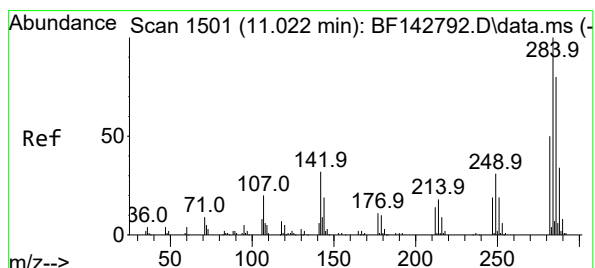
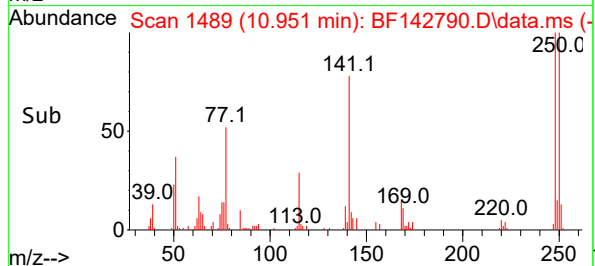
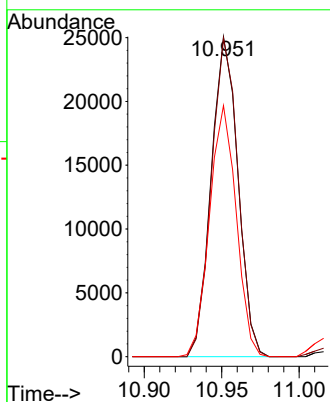
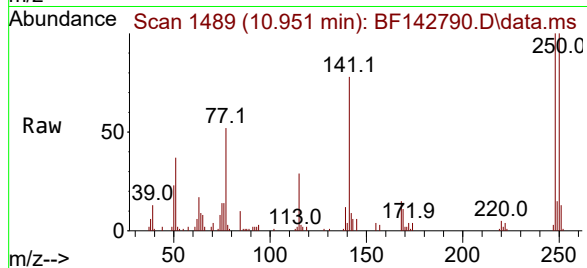




#67
4-Bromophenyl-phenylether
Concen: 9.425 ng
RT: 10.951 min Scan# 1490
Delta R.T. -0.006 min
Lab File: BF142790.D
Acq: 19 Jun 2025 18:08

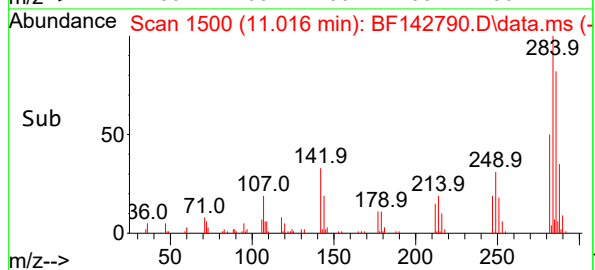
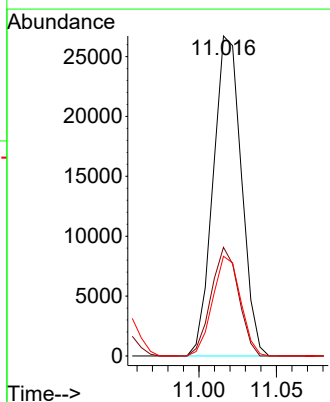
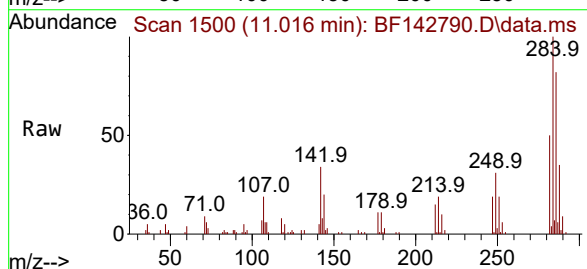
Instrument :
BNA_F
ClientSampleId :
SSTDICC010

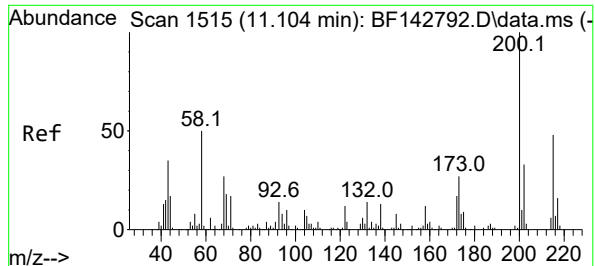
Tgt Ion:	248	Resp:	30145
Ion Ratio	Lower	Upper	
248	100		
250	99.6	79.8	119.8
141	78.4	57.8	86.6



#68
Hexachlorobenzene
Concen: 9.530 ng
RT: 11.016 min Scan# 1500
Delta R.T. -0.006 min
Lab File: BF142790.D
Acq: 19 Jun 2025 18:08

Tgt Ion:	284	Resp:	33838
Ion Ratio	Lower	Upper	
284	100		
142	34.0	25.5	38.3
249	31.2	24.9	37.3





#69

Atrazine

Concen: 9.401 ng

RT: 11.098 min Scan# 1

Delta R.T. -0.006 min

Lab File: BF142790.D

Acq: 19 Jun 2025 18:08

Instrument :

BNA_F

ClientSampleId :

SSTDIC010

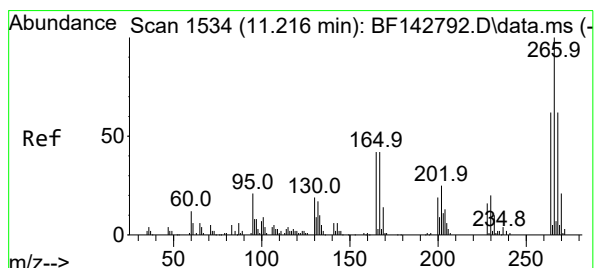
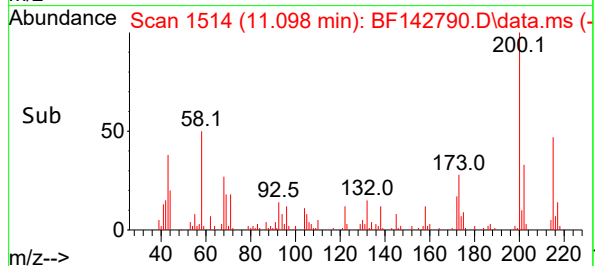
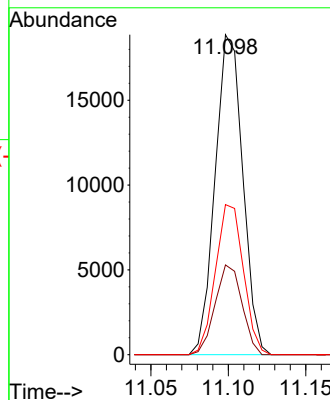
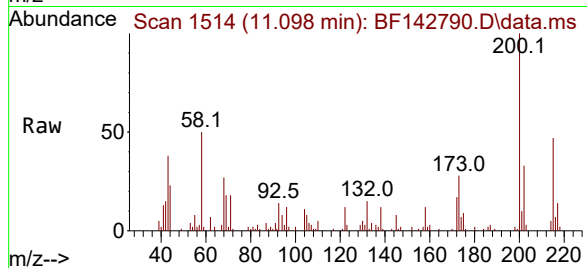
Tgt Ion:200 Resp: 23423

Ion Ratio Lower Upper

200 100

173 28.1 7.4 47.4

215 46.9 28.4 68.4



#70

Pentachlorophenol

Concen: 7.534 ng

RT: 11.216 min Scan# 1534

Delta R.T. 0.000 min

Lab File: BF142790.D

Acq: 19 Jun 2025 18:08

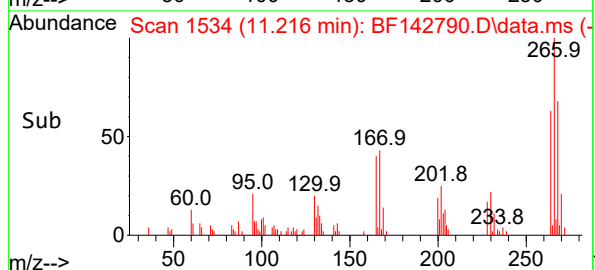
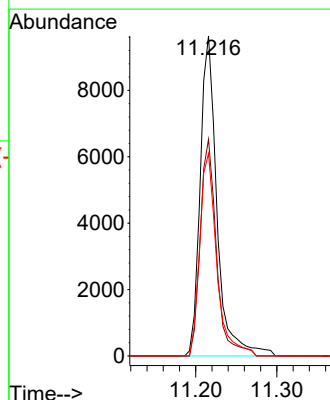
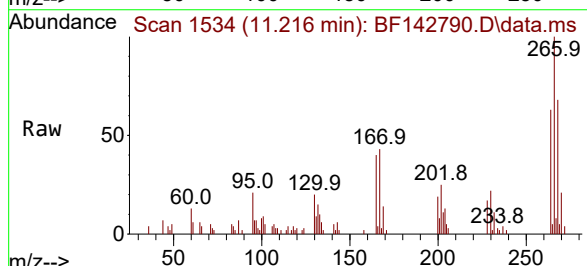
Tgt Ion:266 Resp: 13894

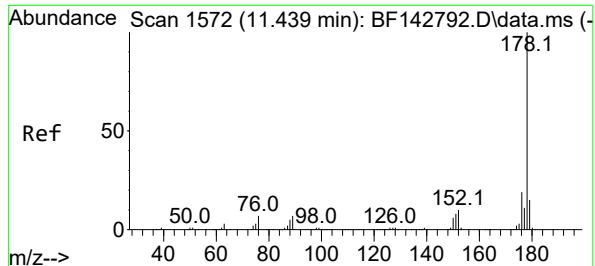
Ion Ratio Lower Upper

266 100

268 67.7 49.8 74.8

264 63.2 49.9 74.9

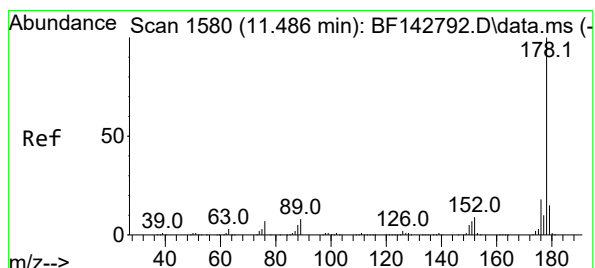
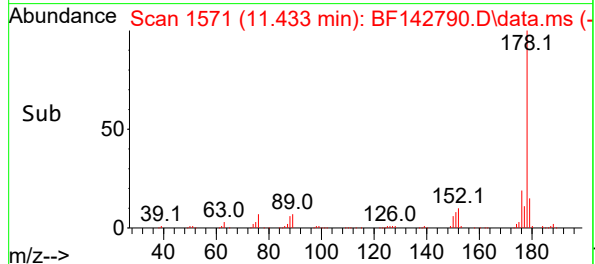
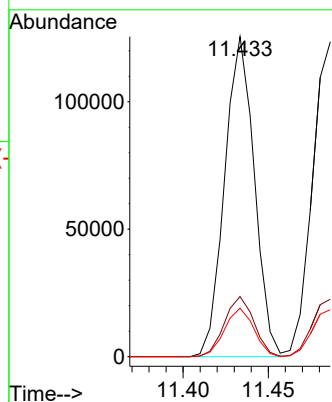
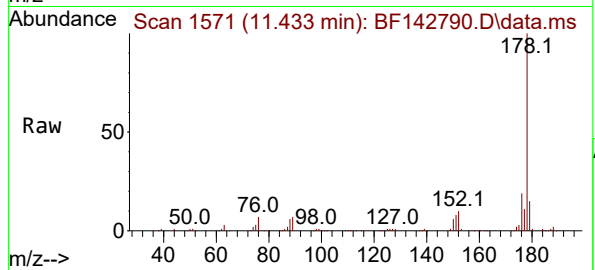




#71
Phenanthrene
Concen: 10.396 ng
RT: 11.433 min Scan# 1571
Delta R.T. -0.006 min
Lab File: BF142790.D
Acq: 19 Jun 2025 18:08

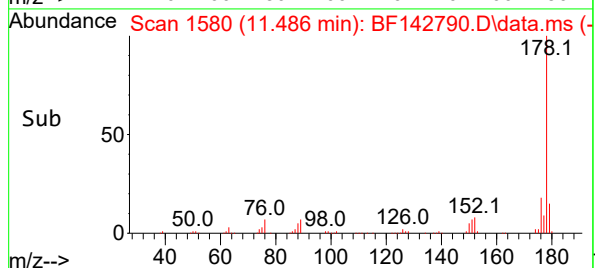
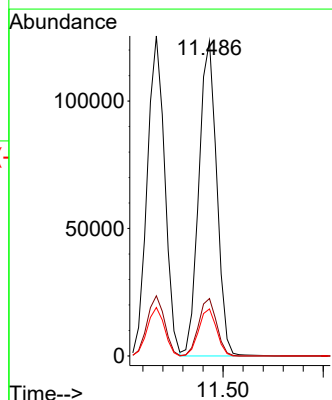
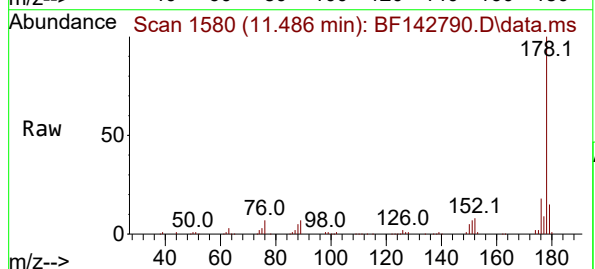
Instrument :
BNA_F
ClientSampleId :
SSTDICC010

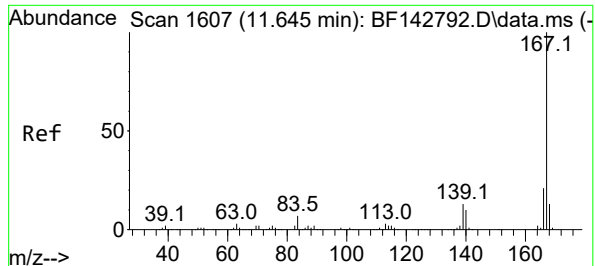
Tgt Ion:178 Resp: 151997
Ion Ratio Lower Upper
178 100
176 18.8 15.1 22.7
179 15.1 12.0 18.0



#72
Anthracene
Concen: 10.135 ng
RT: 11.486 min Scan# 1580
Delta R.T. 0.000 min
Lab File: BF142790.D
Acq: 19 Jun 2025 18:08

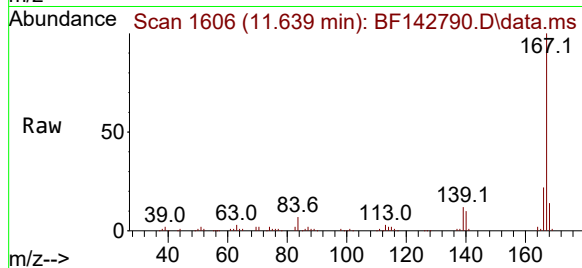
Tgt Ion:178 Resp: 153376
Ion Ratio Lower Upper
178 100
176 18.2 14.6 21.8
179 15.0 12.4 18.6



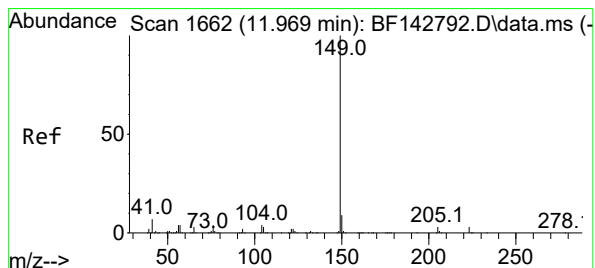
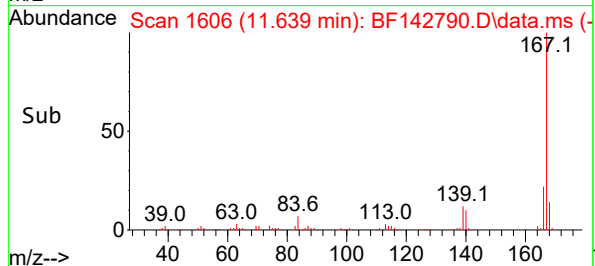
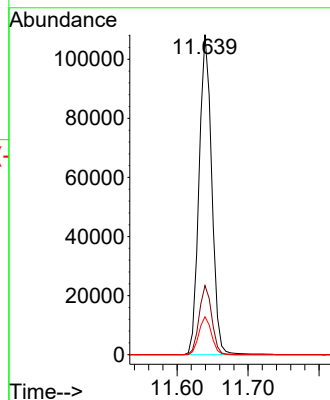


#73
Carbazole
Concen: 10.625 ng
RT: 11.639 min Scan# 1606
Delta R.T. -0.006 min
Lab File: BF142790.D
Acq: 19 Jun 2025 18:08

Instrument :
BNA_F
ClientSampleId :
SSTDICC010

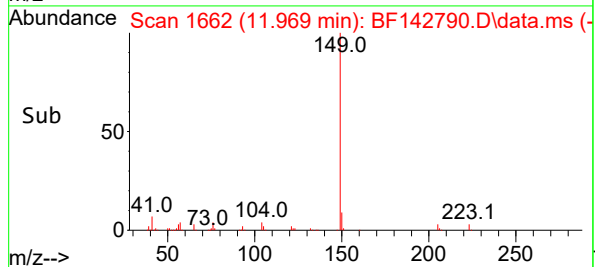
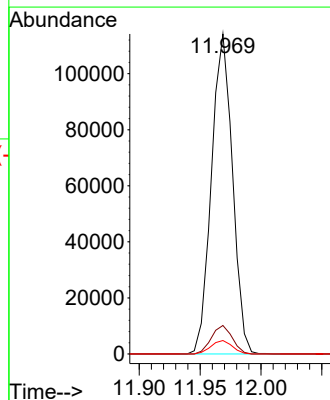
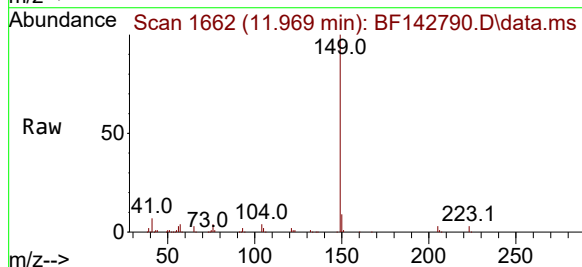


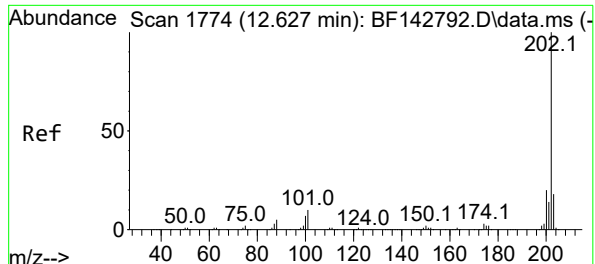
Tgt Ion:167 Resp: 134656
Ion Ratio Lower Upper
167 100
166 21.6 17.0 25.4
139 11.8 10.2 15.2



#74
Di-n-butylphthalate
Concen: 9.784 ng
RT: 11.969 min Scan# 1662
Delta R.T. 0.000 min
Lab File: BF142790.D
Acq: 19 Jun 2025 18:08

Tgt Ion:149 Resp: 137293
Ion Ratio Lower Upper
149 100
150 8.9 7.4 11.0
104 4.2 3.5 5.3

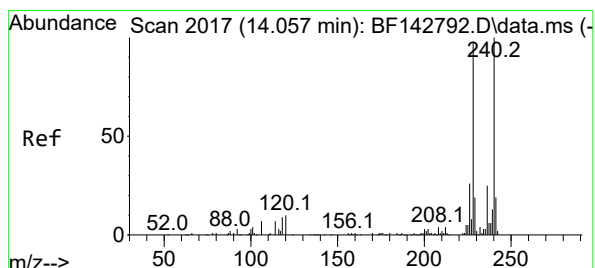
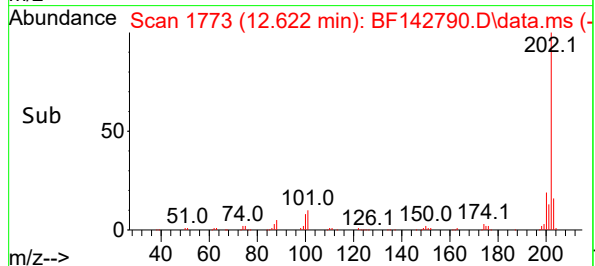
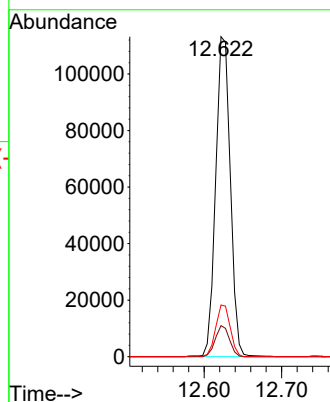
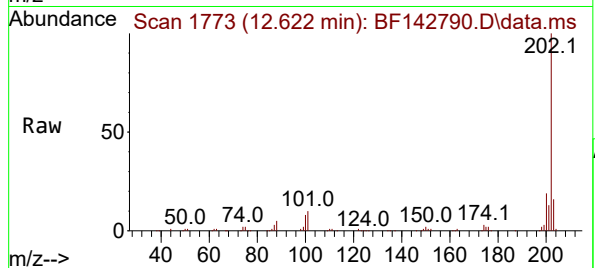




#75
Fluoranthene
Concen: 10.693 ng
RT: 12.622 min Scan# 1774
Delta R.T. -0.006 min
Lab File: BF142790.D
Acq: 19 Jun 2025 18:08

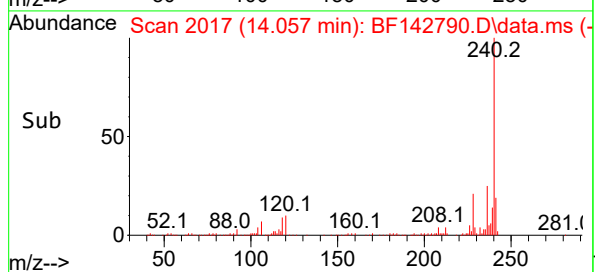
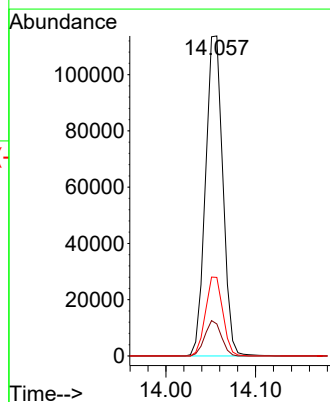
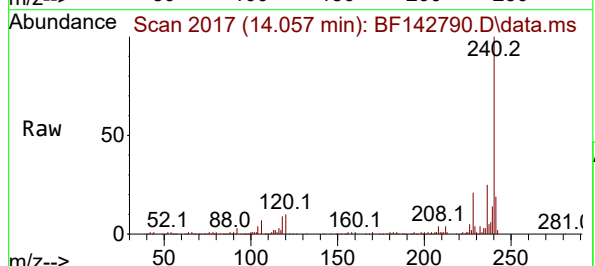
Instrument :
BNA_F
ClientSampleId :
SSTDICC010

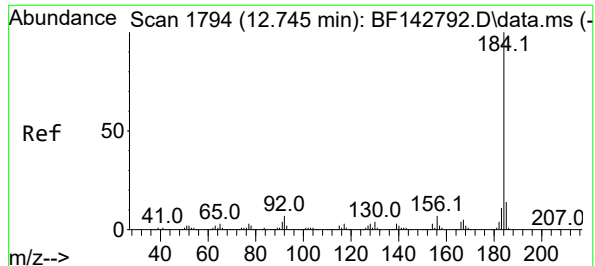
Tgt Ion:202 Resp: 148540
Ion Ratio Lower Upper
202 100
101 9.7 0.0 29.7
203 16.2 0.0 37.5



#76
Chrysene-d12
Concen: 20.000 ng
RT: 14.057 min Scan# 2017
Delta R.T. 0.000 min
Lab File: BF142790.D
Acq: 19 Jun 2025 18:08

Tgt Ion:240 Resp: 152374
Ion Ratio Lower Upper
240 100
120 10.0 8.2 12.2
236 24.6 19.8 29.8





#77

Benzidine

Concen: 10.524 ng

RT: 12.745 min Scan# 1

Delta R.T. 0.000 min

Lab File: BF142790.D

Acq: 19 Jun 2025 18:08

Instrument :

BNA_F

ClientSampleId :

SSTDICC010

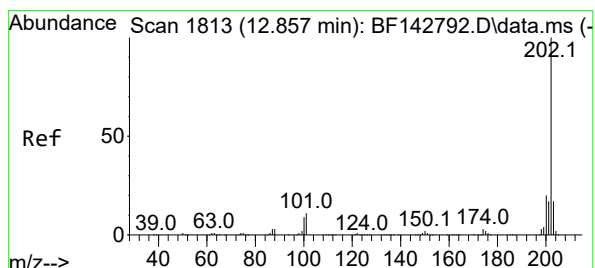
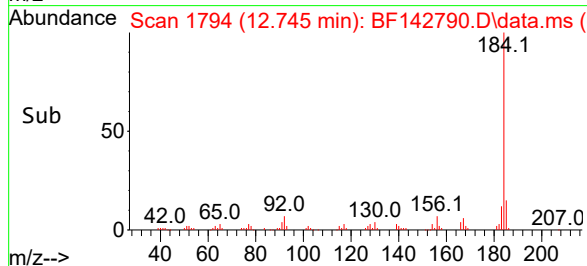
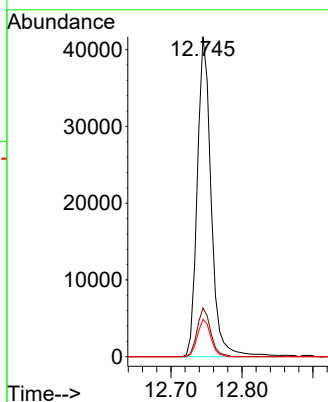
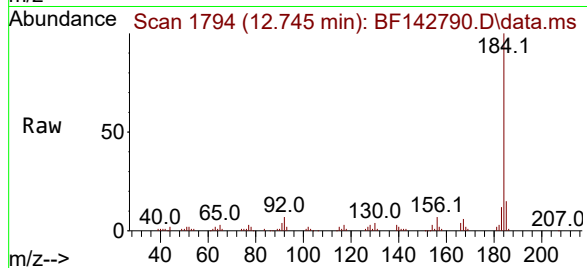
Tgt Ion:184 Resp: 56769

Ion Ratio Lower Upper

184 100

185 15.1 11.5 17.3

183 11.6 9.0 13.4



#78

Pyrene

Concen: 10.553 ng

RT: 12.851 min Scan# 1812

Delta R.T. -0.006 min

Lab File: BF142790.D

Acq: 19 Jun 2025 18:08

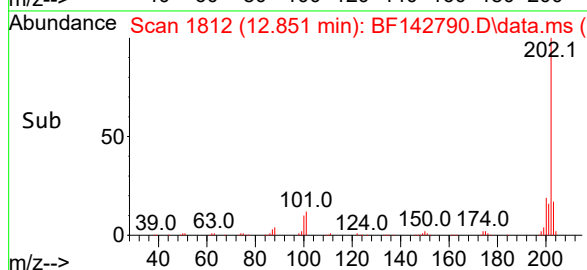
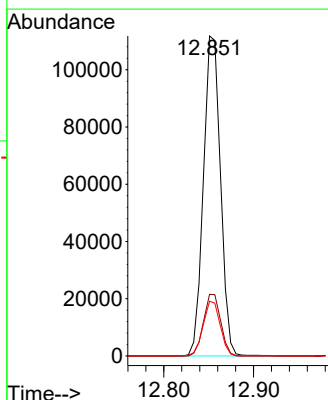
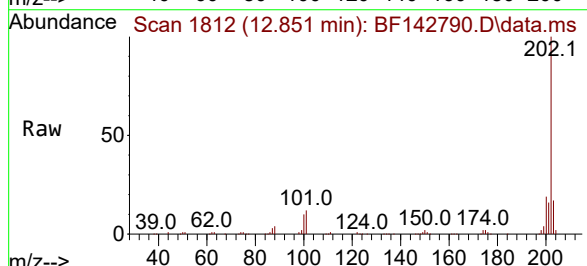
Tgt Ion:202 Resp: 147819

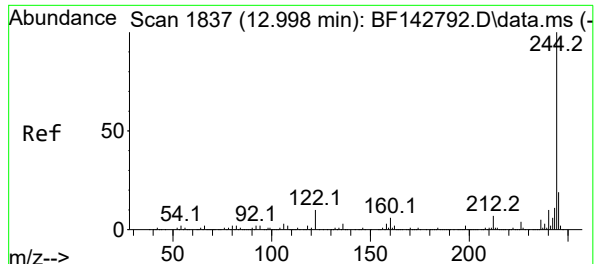
Ion Ratio Lower Upper

202 100

200 19.3 15.7 23.5

203 17.1 13.8 20.6





#79

Terphenyl-d14

Concen: 21.651 ng

RT: 12.992 min Scan# 1836

Delta R.T. -0.006 min

Lab File: BF142790.D

Acq: 19 Jun 2025 18:08

Instrument :

BNA_F

ClientSampleId :

SSTDICC010

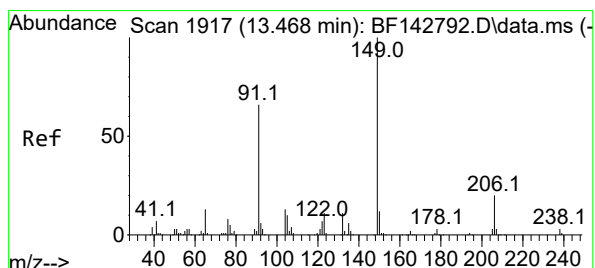
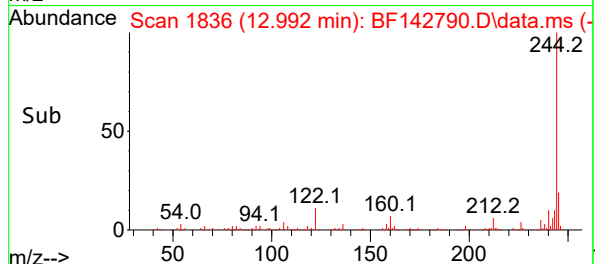
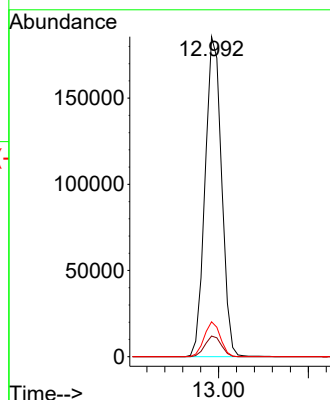
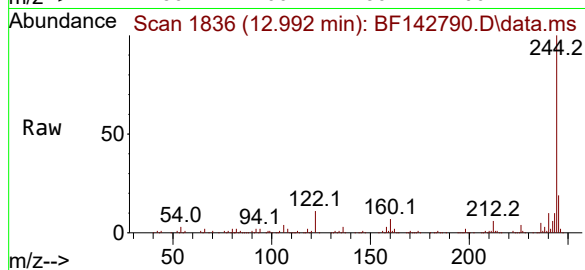
Tgt Ion:244 Resp: 237037

Ion Ratio Lower Upper

244 100

212 6.5 5.4 8.0

122 10.9 8.2 12.2



#80

Butylbenzylphthalate

Concen: 8.635 ng

RT: 13.469 min Scan# 1917

Delta R.T. 0.000 min

Lab File: BF142790.D

Acq: 19 Jun 2025 18:08

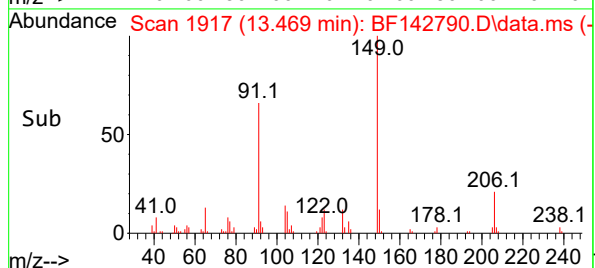
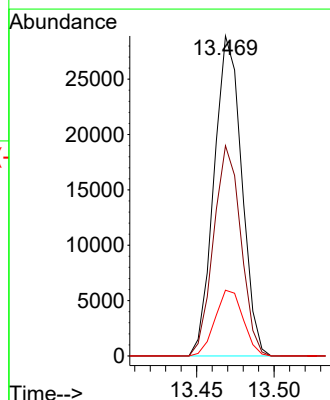
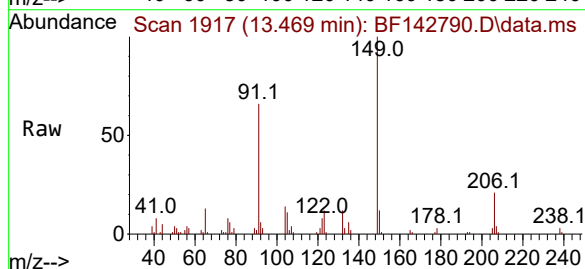
Tgt Ion:149 Resp: 35843

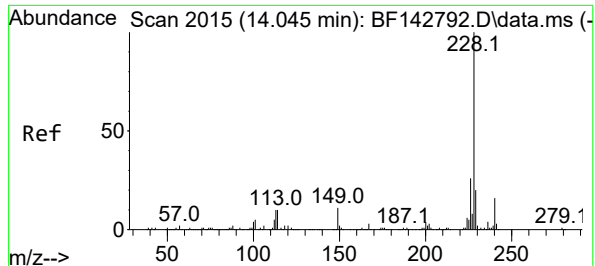
Ion Ratio Lower Upper

149 100

91 65.7 52.9 79.3

206 20.5 16.3 24.5

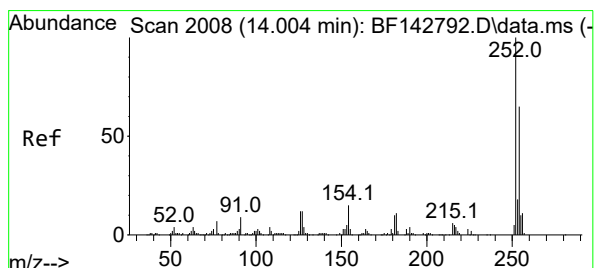
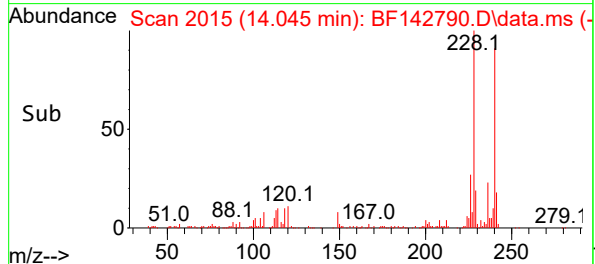
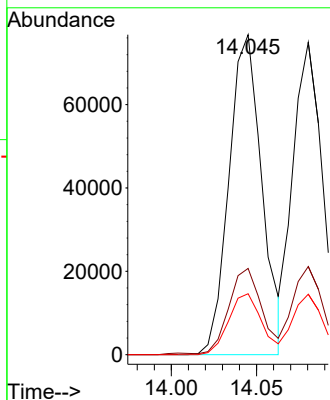
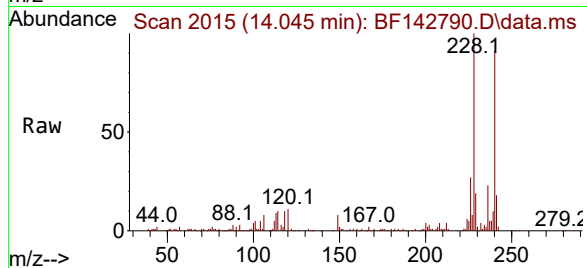




#81
Benzo(a)anthracene
Concen: 10.345 ng
RT: 14.045 min Scan# 2015
Delta R.T. 0.000 min
Lab File: BF142790.D
Acq: 19 Jun 2025 18:08

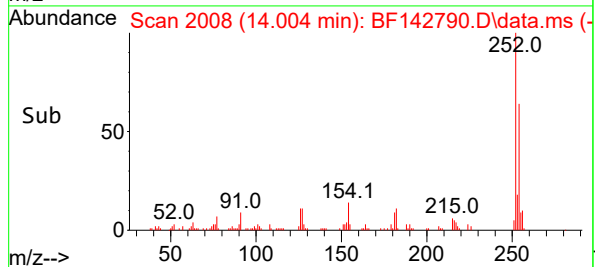
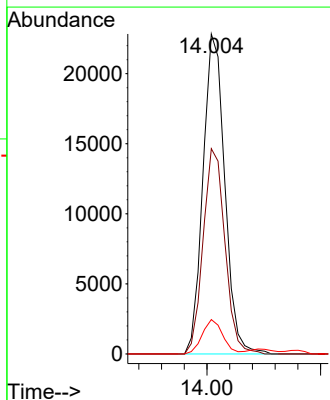
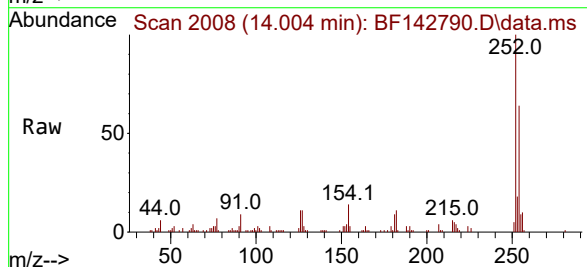
Instrument :
BNA_F
ClientSampleId :
SSTDICC010

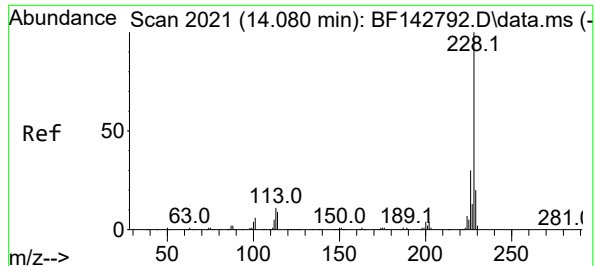
Tgt Ion:228 Resp: 103495
Ion Ratio Lower Upper
228 100
226 27.0 21.2 31.8
229 19.1 15.6 23.4



#82
3,3'-Dichlorobenzidine
Concen: 9.368 ng
RT: 14.004 min Scan# 2008
Delta R.T. 0.000 min
Lab File: BF142790.D
Acq: 19 Jun 2025 18:08

Tgt Ion:252 Resp: 30349
Ion Ratio Lower Upper
252 100
254 64.2 51.7 77.5
126 10.8 9.4 14.2





#83

Chrysene

Concen: 9.741 ng

RT: 14.080 min Scan# 2021

Delta R.T. 0.000 min

Lab File: BF142790.D

Acq: 19 Jun 2025 18:08

Instrument :

BNA_F

ClientSampleId :

SSTDICC010

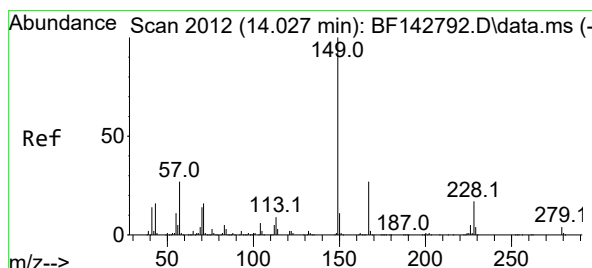
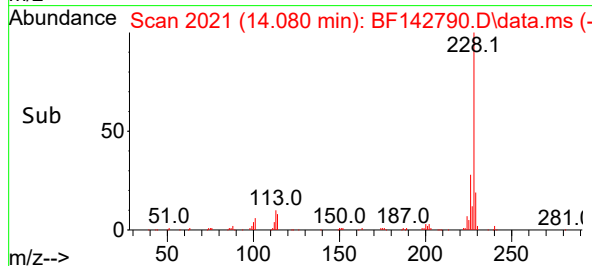
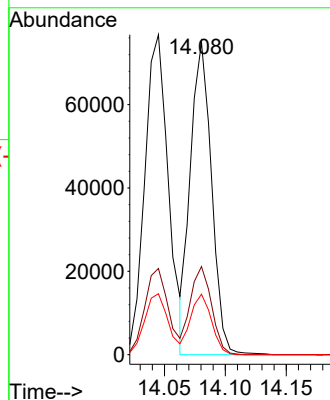
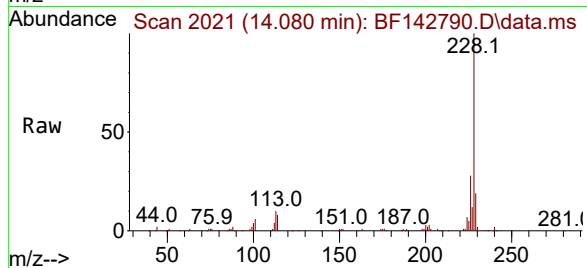
Tgt Ion:228 Resp: 90725

Ion Ratio Lower Upper

228 100

226 28.2 23.7 35.5

229 19.4 15.7 23.5



#84

Bis(2-ethylhexyl)phthalate

Concen: 8.316 ng

RT: 14.027 min Scan# 2012

Delta R.T. 0.000 min

Lab File: BF142790.D

Acq: 19 Jun 2025 18:08

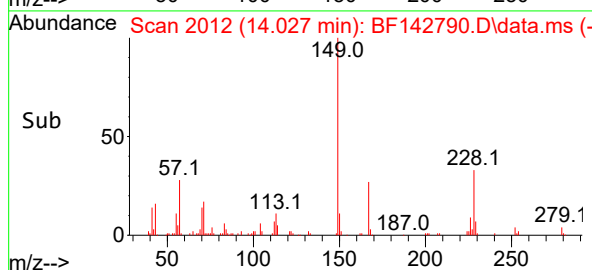
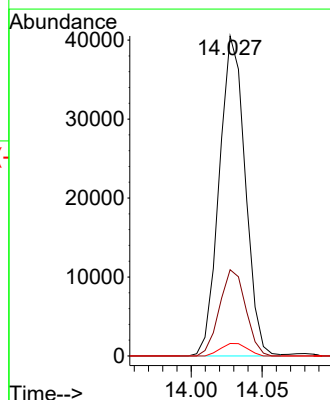
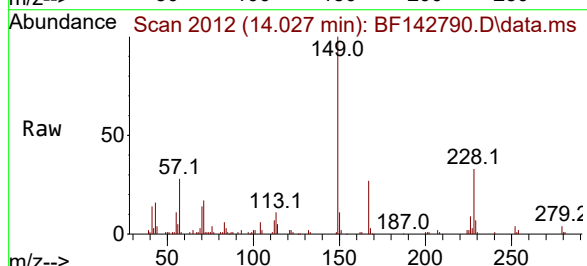
Tgt Ion:149 Resp: 51432

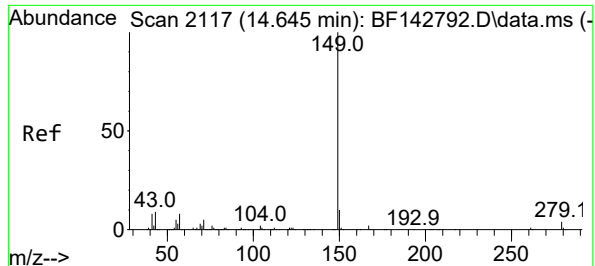
Ion Ratio Lower Upper

149 100

167 27.0 21.4 32.0

279 3.9 3.0 4.6

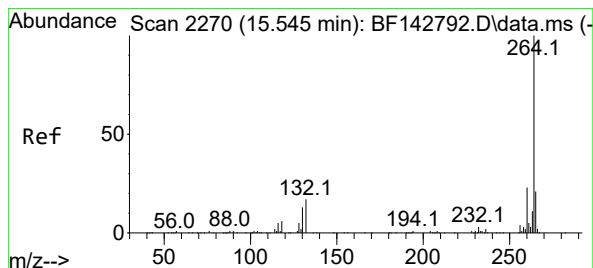
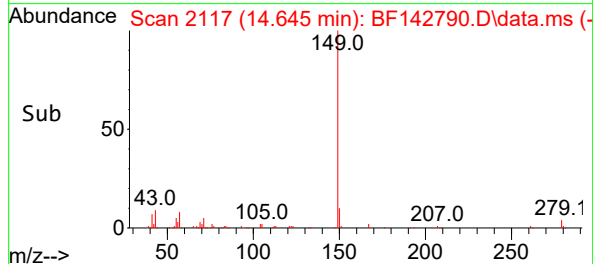
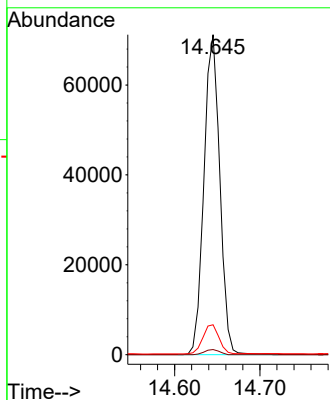
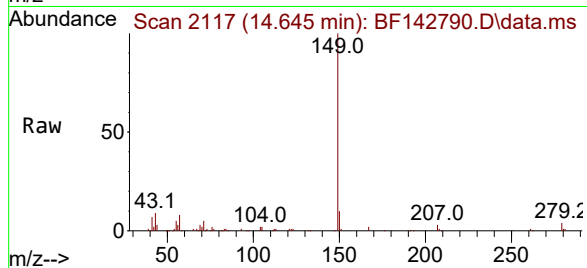




#85
Di-n-octyl phthalate
Concen: 7.805 ng
RT: 14.645 min Scan# 2117
Delta R.T. 0.000 min
Lab File: BF142790.D
Acq: 19 Jun 2025 18:08

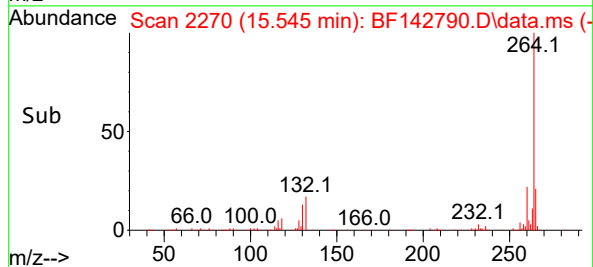
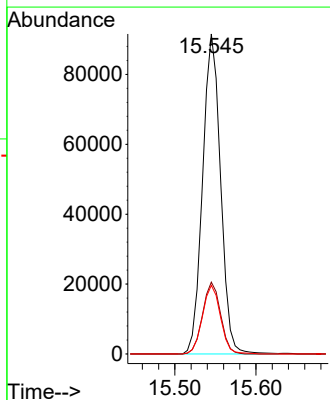
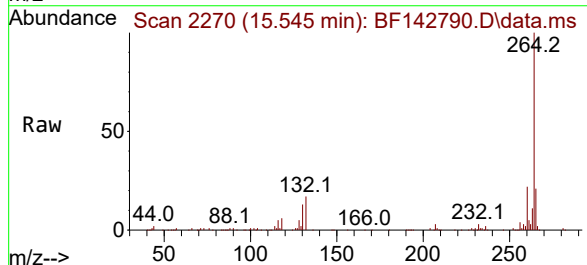
Instrument :
BNA_F
ClientSampleId :
SSTDICC010

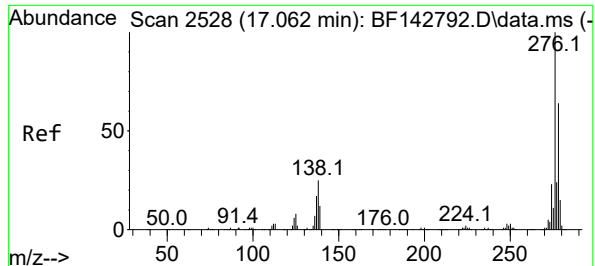
Tgt Ion	Ratio	Lower	Upper
149	100		
167	1.5	1.3	1.9
43	9.3	7.6	11.4



#86
Perylene-d12
Concen: 20.000 ng
RT: 15.545 min Scan# 2270
Delta R.T. 0.000 min
Lab File: BF142790.D
Acq: 19 Jun 2025 18:08

Tgt Ion	Ratio	Lower	Upper
264	100		
260	22.4	18.1	27.1
265	21.5	16.6	25.0





#87

Indeno(1,2,3-cd)pyrene

Concen: 10.061 ng

RT: 17.051 min Scan# 2195

Delta R.T. -0.012 min

Lab File: BF142790.D

Acq: 19 Jun 2025 18:08

Instrument :

BNA_F

ClientSampleId :

SSTDIC010

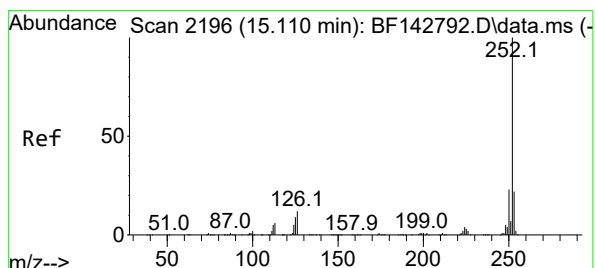
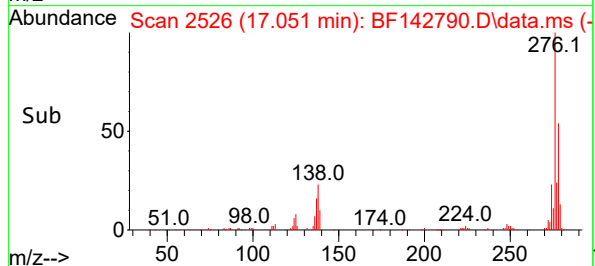
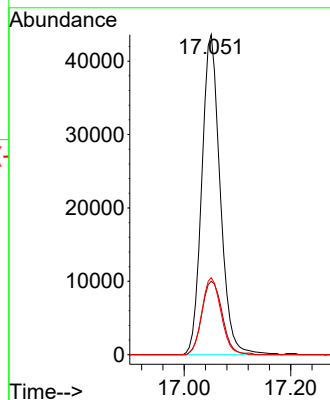
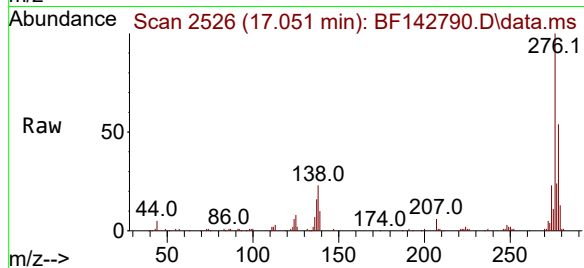
Tgt Ion:276 Resp: 104445

Ion Ratio Lower Upper

276 100

138 25.4 20.2 30.4

277 25.0 19.8 29.6



#88

Benzo(b)fluoranthene

Concen: 10.478 ng

RT: 15.104 min Scan# 2195

Delta R.T. -0.006 min

Lab File: BF142790.D

Acq: 19 Jun 2025 18:08

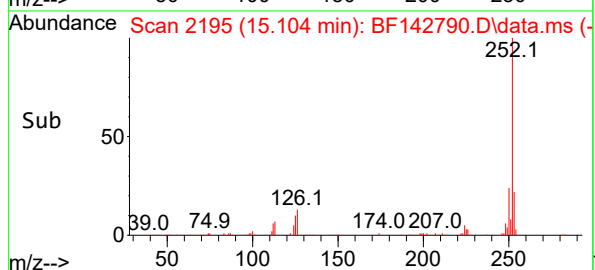
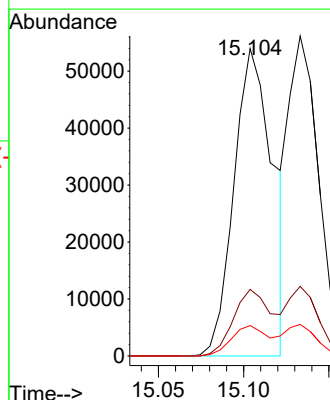
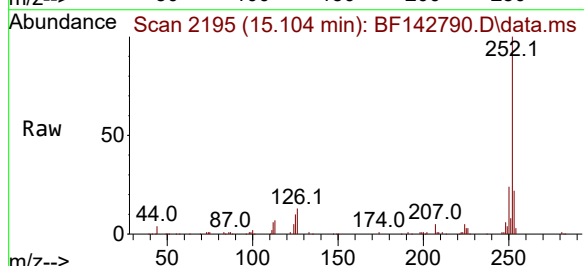
Tgt Ion:252 Resp: 85689

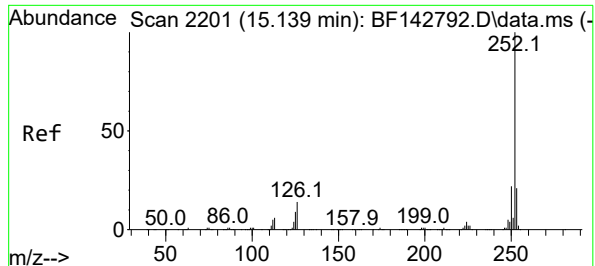
Ion Ratio Lower Upper

252 100

253 21.7 17.5 26.3

125 9.9 7.4 11.0





#89

Benzo(k)fluoranthene

Concen: 8.828 ng

RT: 15.133 min Scan# 21

Delta R.T. -0.006 min

Lab File: BF142790.D

Acq: 19 Jun 2025 18:08

Instrument :

BNA_F

ClientSampleId :

SSTDICC010

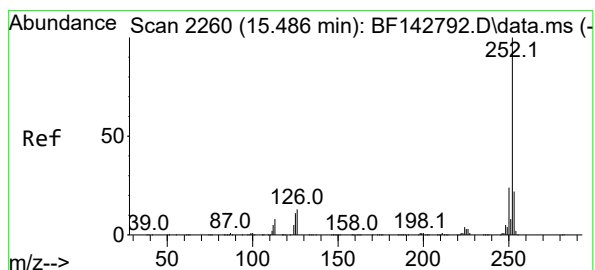
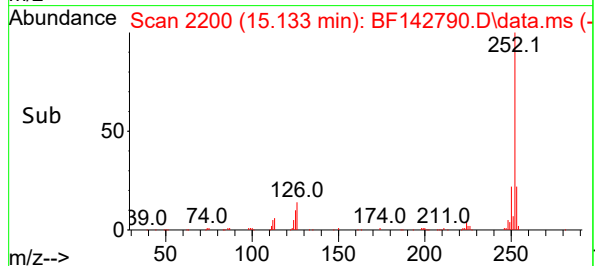
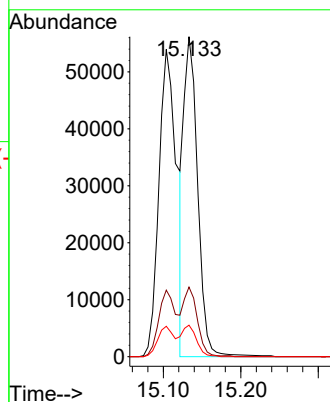
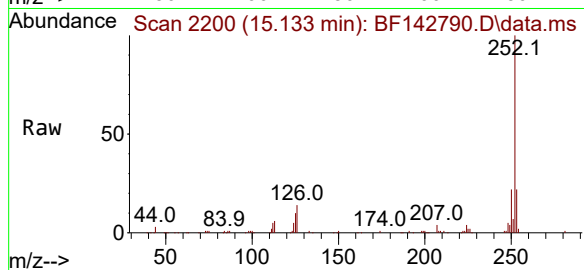
Tgt Ion:252 Resp: 70470

Ion Ratio Lower Upper

252 100

253 21.8 17.2 25.8

125 9.9 7.4 11.2



#90

Benzo(a)pyrene

Concen: 9.558 ng

RT: 15.480 min Scan# 2259

Delta R.T. -0.006 min

Lab File: BF142790.D

Acq: 19 Jun 2025 18:08

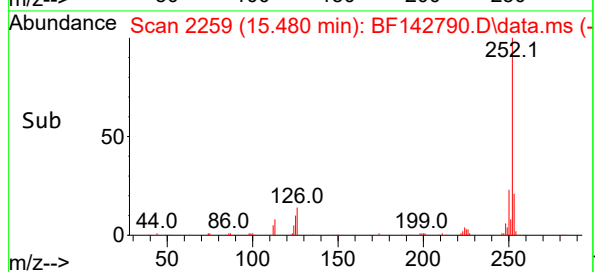
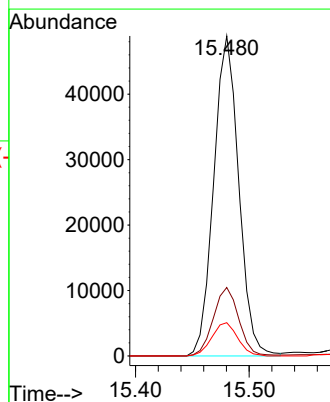
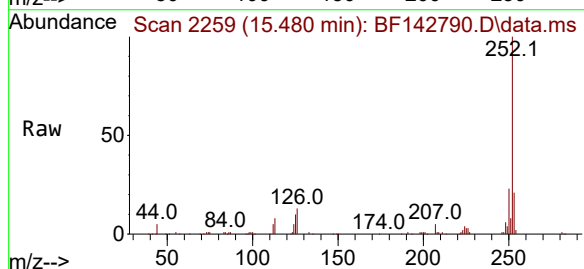
Tgt Ion:252 Resp: 74803

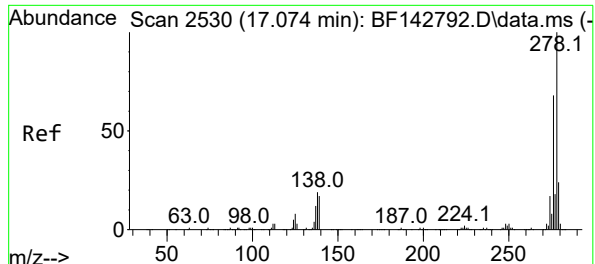
Ion Ratio Lower Upper

252 100

253 21.4 17.5 26.3

125 10.4 8.6 12.8

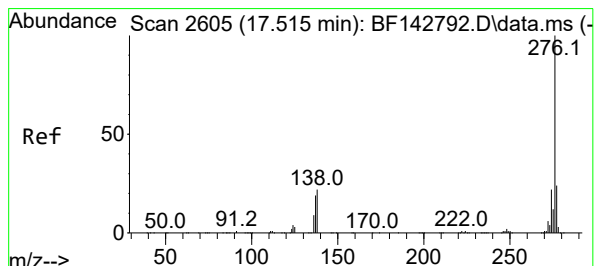
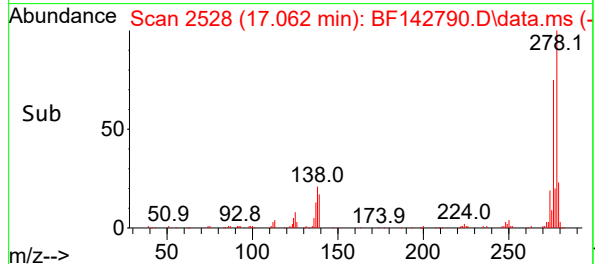
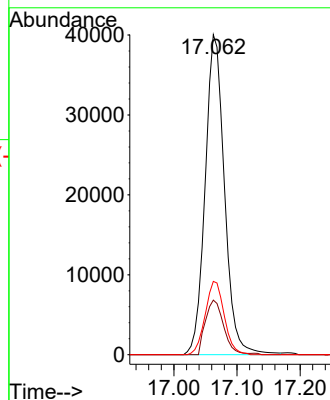
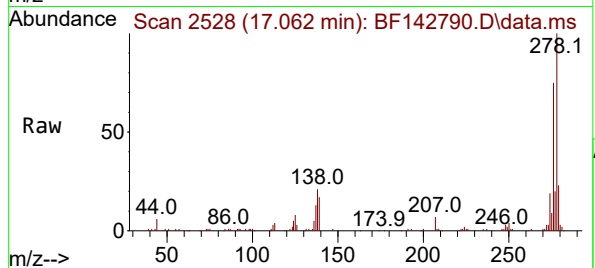




#91
Dibenzo(a,h)anthracene
Concen: 10.099 ng
RT: 17.062 min Scan# 21
Delta R.T. -0.012 min
Lab File: BF142790.D
Acq: 19 Jun 2025 18:08

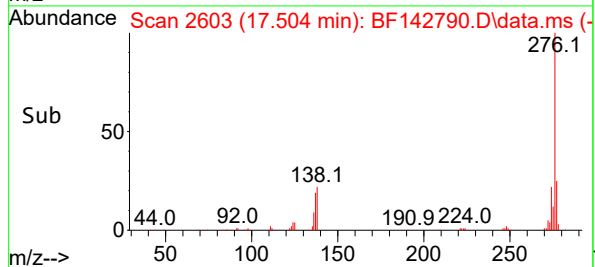
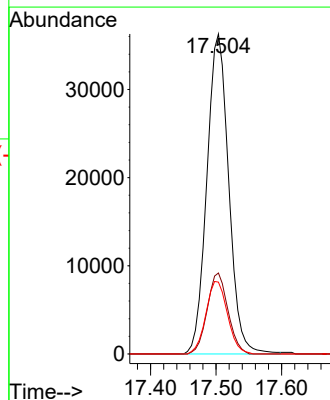
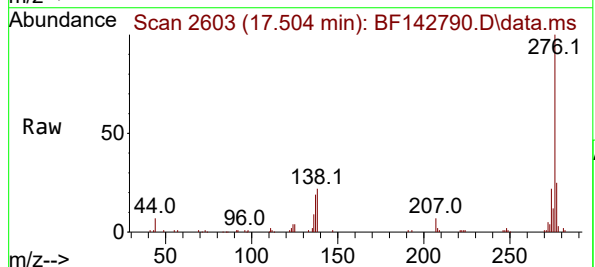
Instrument :
BNA_F
ClientSampleId :
SSTDICC010

Tgt Ion:278 Resp: 85238
Ion Ratio Lower Upper
278 100
139 17.0 13.5 20.3
279 22.9 18.8 28.2



#92
Benzo(g,h,i)perylene
Concen: 9.989 ng
RT: 17.504 min Scan# 2603
Delta R.T. -0.012 min
Lab File: BF142790.D
Acq: 19 Jun 2025 18:08

Tgt Ion:276 Resp: 84115
Ion Ratio Lower Upper
276 100
277 25.3 18.8 28.2
138 22.5 17.6 26.4



Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF061925\
 Data File : BF142791.D
 Acq On : 19 Jun 2025 18:39
 Operator : RC/JU
 Sample : SSTDICC020
 Misc :
 ALS Vial : 5 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 SSTDICC020

Quant Time: Jun 20 04:39:16 2025
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF061925.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Fri Jun 20 04:36:38 2025
 Response via : Initial Calibration

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

Internal Standards						
1) 1,4-Dichlorobenzene-d4	6.881	152	83780	20.000	ng	0.00
21) Naphthalene-d8	8.163	136	312367	20.000	ng	0.00
39) Acenaphthene-d10	9.922	164	164603	20.000	ng	0.00
64) Phenanthrene-d10	11.410	188	277149	20.000	ng	0.00
76) Chrysene-d12	14.057	240	151398	20.000	ng	0.00
86) Perylene-d12	15.545	264	151331	20.000	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.493	112	206126	41.963	ng	0.00
7) Phenol-d6	6.504	99	238437	41.338	ng	0.00
23) Nitrobenzene-d5	7.440	82	233268	40.933	ng	0.00
42) 2,4,6-Tribromophenol	10.710	330	70502	39.411	ng	0.00
45) 2-Fluorobiphenyl	9.240	172	524084	42.356	ng	0.00
79) Terphenyl-d14	12.998	244	464214	42.675	ng	0.00
Target Compounds						
						Qvalue
2) 1,4-Dioxane	2.640	88	39464	20.232	ng	99
3) Pyridine	3.410	79	99721	20.419	ng	99
4) n-Nitrosodimethylamine	3.346	42	51716	20.677	ng	94
6) Aniline	6.540	93	158463	20.499	ng	99
8) 2-Chlorophenol	6.663	128	108230	20.235	ng	99
9) Benzaldehyde	6.428	77	79008	22.467	ng	99
10) Phenol	6.516	94	133318	20.730	ng	99
11) bis(2-Chloroethyl)ether	6.610	93	94972	19.905	ng	99
12) 1,3-Dichlorobenzene	6.822	146	123139	20.218	ng	99
13) 1,4-Dichlorobenzene	6.899	146	123337	19.980	ng	99
14) 1,2-Dichlorobenzene	7.051	146	118033	20.001	ng	100
15) Benzyl Alcohol	7.016	79	85856	19.885	ng	99
16) 2,2'-oxybis(1-Chloropr...	7.151	45	152035	20.224	ng	99
17) 2-Methylphenol	7.128	107	82097	20.077	ng	99
18) Hexachloroethane	7.393	117	42435	19.229	ng	96
19) n-Nitroso-di-n-propyla...	7.287	70	69761	19.178	ng	99
20) 3+4-Methylphenols	7.281	107	105750	20.547	ng	97
22) Acetophenone	7.287	105	143274	20.730	ng	99
24) Nitrobenzene	7.463	77	103569	20.450	ng	97
25) Isophorone	7.698	82	185071	19.365	ng	100
26) 2-Nitrophenol	7.781	139	56979	20.191	ng	99
27) 2,4-Dimethylphenol	7.816	122	99256	20.659	ng	100
28) bis(2-Chloroethoxy)met...	7.910	93	119505	20.087	ng	99
29) 2,4-Dichlorophenol	8.022	162	90497	20.437	ng	99
30) 1,2,4-Trichlorobenzene	8.104	180	99320	20.304	ng	99
31) Naphthalene	8.187	128	313467	20.405	ng	100
32) Benzoic acid	7.898	122	45969	17.245	ng	98
33) 4-Chloroaniline	8.234	127	127623	20.729	ng	99
34) Hexachlorobutadiene	8.304	225	61994	20.001	ng	98
35) Caprolactam	8.587	113	23555	19.769	ng	98
36) 4-Chloro-3-methylphenol	8.710	107	89279	19.518	ng	99
37) 2-Methylnaphthalene	8.881	142	196609	20.287	ng	100
38) 1-Methylnaphthalene	8.975	142	202898	20.165	ng	100
40) 1,2,4,5-Tetrachloroben...	9.045	216	99104	20.857	ng	99
41) Hexachlorocyclopentadiene	9.028	237	50669	16.864	ng	98
43) 2,4,6-Trichlorophenol	9.157	196	64786	21.069	ng	97

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF061925\
 Data File : BF142791.D
 Acq On : 19 Jun 2025 18:39
 Operator : RC/JU
 Sample : SSTDICC020
 Misc :
 ALS Vial : 5 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 SSTDICC020

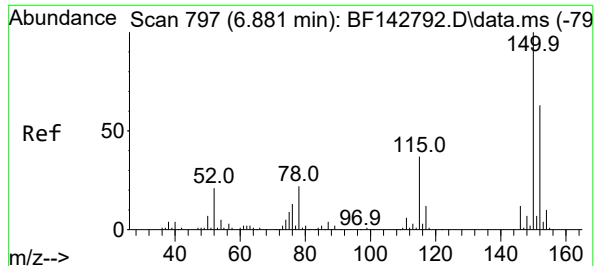
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 Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF061925.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Fri Jun 20 04:36:38 2025
 Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
44) 2,4,5-Trichlorophenol	9.198	196	69275	20.862	ng	98
46) 1,1'-Biphenyl	9.340	154	269396	21.078	ng	100
47) 2-Chloronaphthalene	9.369	162	198874	21.087	ng	99
48) 2-Nitroaniline	9.463	65	55412	20.681	ng	96
49) Acenaphthylene	9.781	152	331018	20.878	ng	99
50) Dimethylphthalate	9.640	163	218901	20.049	ng	100
51) 2,6-Dinitrotoluene	9.704	165	47707	20.156	ng	99
52) Acenaphthene	9.957	154	204192	20.813	ng	99
53) 3-Nitroaniline	9.875	138	52088	20.261	ng	98
54) 2,4-Dinitrophenol	9.981	184	21231	16.576	ng	97
55) Dibenzofuran	10.128	168	290254	20.736	ng	98
56) 4-Nitrophenol	10.028	139	35937	20.593	ng	98
57) 2,4-Dinitrotoluene	10.104	165	65367	20.887	ng	98
58) Fluorene	10.469	166	229569	20.780	ng	99
59) 2,3,4,6-Tetrachlorophenol	10.245	232	55799	20.042	ng	96
60) Diethylphthalate	10.339	149	217133	20.020	ng	99
61) 4-Chlorophenyl-phenyle...	10.463	204	110133	20.526	ng	98
62) 4-Nitroaniline	10.481	138	48947	21.208	ng	96
63) Azobenzene	10.622	77	192057	20.263	ng	99
65) 4,6-Dinitro-2-methylph...	10.516	198	32946	19.130	ng	99
66) n-Nitrosodiphenylamine	10.581	169	196840	20.670	ng	100
67) 4-Bromophenyl-phenylether	10.951	248	65137	20.068	ng	97
68) Hexachlorobenzene	11.022	284	71354	19.802	ng	98
69) Atrazine	11.104	200	49963	19.760	ng	99
70) Pentachlorophenol	11.216	266	33089	17.680	ng	97
71) Phenanthrene	11.434	178	309015	20.826	ng	100
72) Anthracene	11.486	178	318388	20.730	ng	100
73) Carbazole	11.639	167	276824	21.523	ng	99
74) Di-n-butylphthalate	11.969	149	289686	20.342	ng	100
75) Fluoranthene	12.628	202	302035	21.424	ng	99
77) Benzidine	12.745	184	130162	24.285	ng	99
78) Pyrene	12.857	202	297999	21.413	ng	100
80) Butylbenzylphthalate	13.469	149	81500	19.761	ng	99
81) Benzo(a)anthracene	14.045	228	206831	20.807	ng	99
82) 3,3'-Dichlorobenzidine	14.004	252	66675	20.714	ng	97
83) Chrysene	14.080	228	182829	19.756	ng	100
84) Bis(2-ethylhexyl)phtha...	14.027	149	116092	18.892	ng	99
85) Di-n-octyl phthalate	14.645	149	204632	17.475	ng	99
87) Indeno(1,2,3-cd)pyrene	17.051	276	233757	20.893	ng	99
88) Benzo(b)fluoranthene	15.104	252	185574	21.056	ng	99
89) Benzo(k)fluoranthene	15.133	252	156588	18.201	ng	99
90) Benzo(a)pyrene	15.480	252	170053	20.162	ng	99
91) Dibenzo(a,h)anthracene	17.068	278	195608	21.504	ng	98
92) Benzo(g,h,i)perylene	17.504	276	191567	21.109	ng	99

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

Instrument :
BNA_F
ClientSampleId :
SSTDICC020

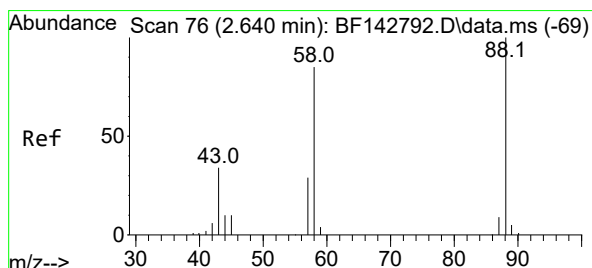
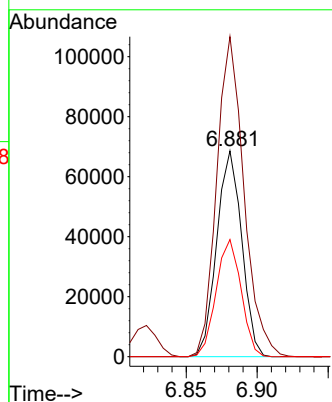
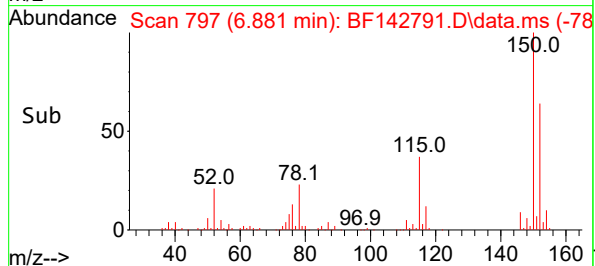
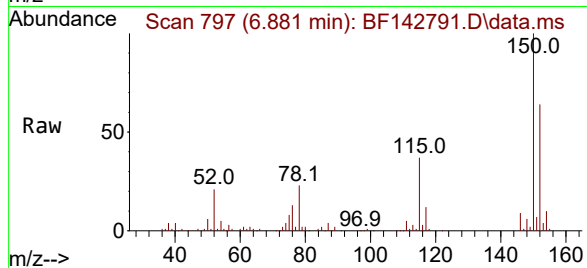
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#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.881 min Scan# 79
Delta R.T. -0.000 min
Lab File: BF142791.D
Acq: 19 Jun 2025 18:39

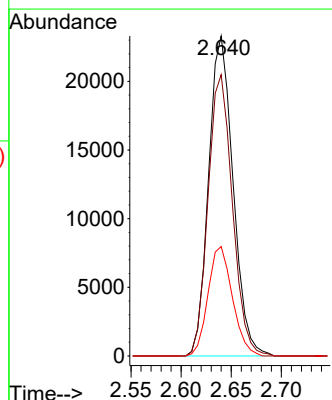
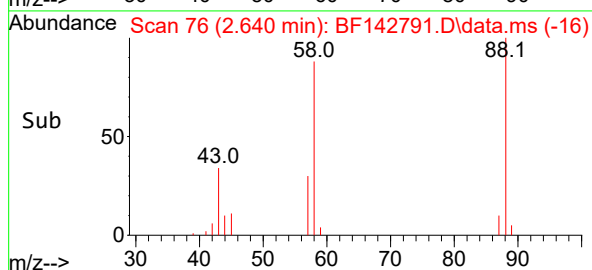
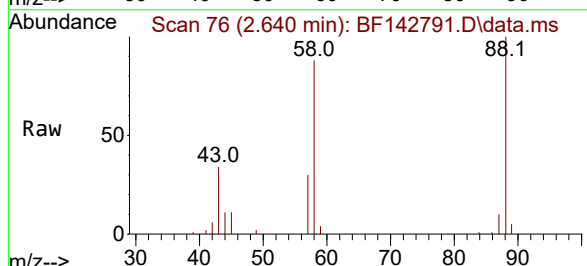
Instrument :
BNA_F
ClientSampleId :
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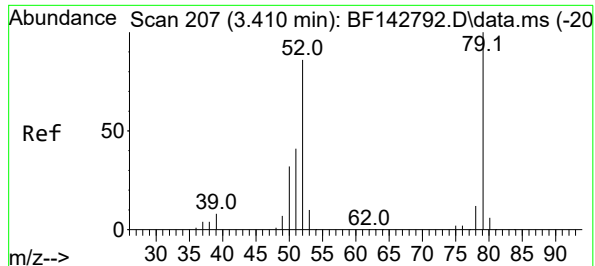
Tgt Ion:152 Resp: 83780
Ion Ratio Lower Upper
152 100
150 155.5 127.2 190.8
115 56.9 46.6 69.8



#2
1,4-Dioxane
Concen: 20.232 ng
RT: 2.640 min Scan# 76
Delta R.T. 0.000 min
Lab File: BF142791.D
Acq: 19 Jun 2025 18:39

Tgt Ion: 88 Resp: 39464
Ion Ratio Lower Upper
88 100
58 87.5 69.1 103.7
43 34.2 27.4 41.2





#3

Pyridine

Concen: 20.419 ng

RT: 3.410 min Scan# 20

Delta R.T. 0.000 min

Lab File: BF142791.D

Acq: 19 Jun 2025 18:39

Instrument :

BNA_F

ClientSampleId :

SSTDICC020

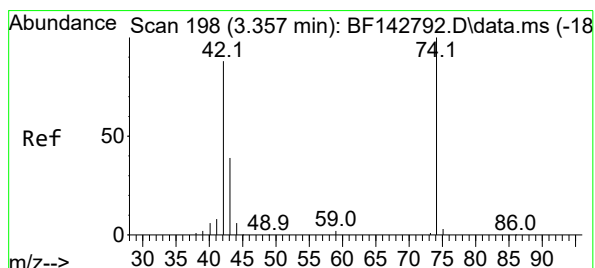
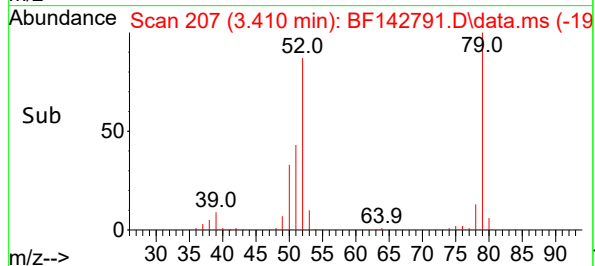
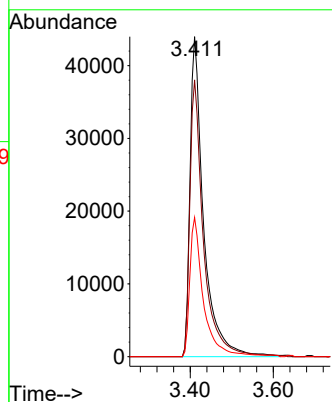
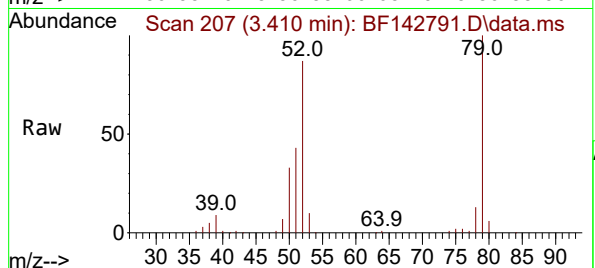
Tgt Ion: 79 Resp: 99721

Ion Ratio Lower Upper

79 100

52 86.5 69.2 103.8

51 43.5 33.2 49.8



#4

n-Nitrosodimethylamine

Concen: 20.677 ng

RT: 3.346 min Scan# 196

Delta R.T. -0.012 min

Lab File: BF142791.D

Acq: 19 Jun 2025 18:39

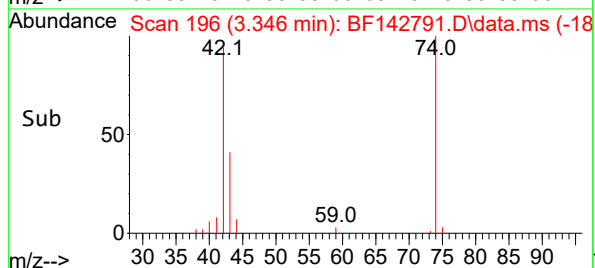
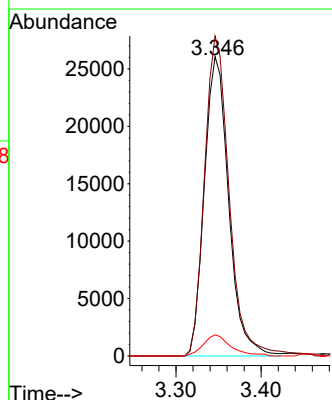
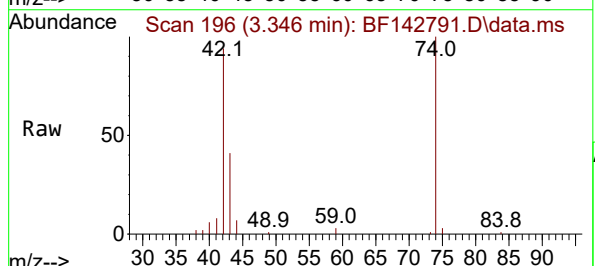
Tgt Ion: 42 Resp: 51716

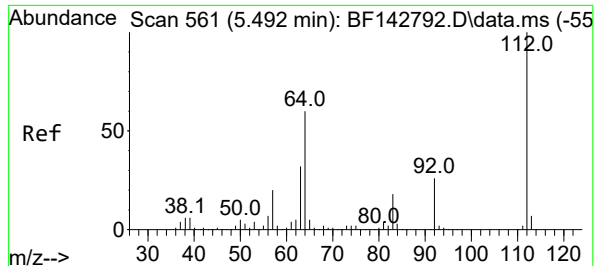
Ion Ratio Lower Upper

42 100

74 106.9 90.9 136.3

44 7.1 5.8 8.6





#5

2-Fluorophenol

Concen: 41.963 ng

RT: 5.493 min Scan# 50

Delta R.T. 0.000 min

Lab File: BF142791.D

Acq: 19 Jun 2025 18:39

Instrument :

BNA_F

ClientSampleId :

SSTDICC020

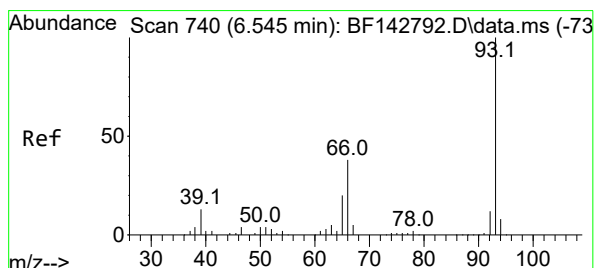
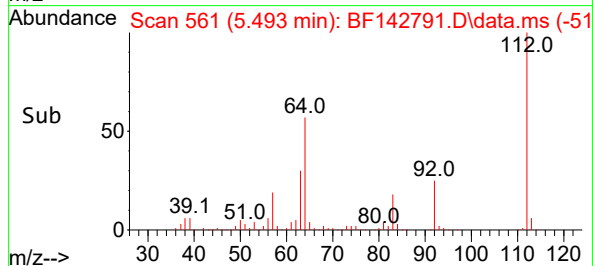
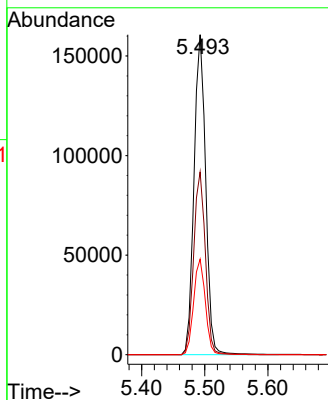
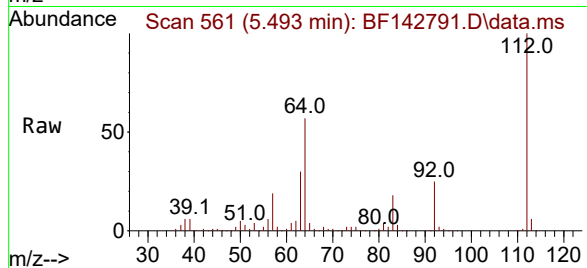
Tgt Ion:112 Resp: 206126

Ion Ratio Lower Upper

112 100

64 57.1 48.2 72.2

63 29.9 25.7 38.5



#6

Aniline

Concen: 20.499 ng

RT: 6.540 min Scan# 739

Delta R.T. -0.006 min

Lab File: BF142791.D

Acq: 19 Jun 2025 18:39

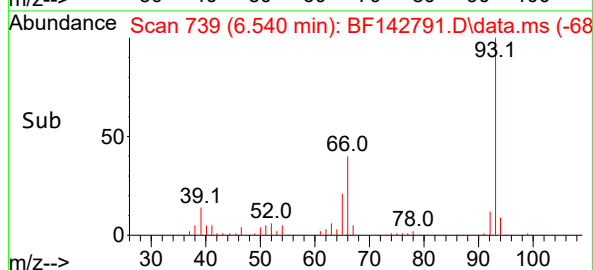
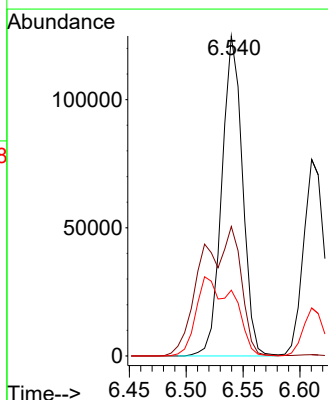
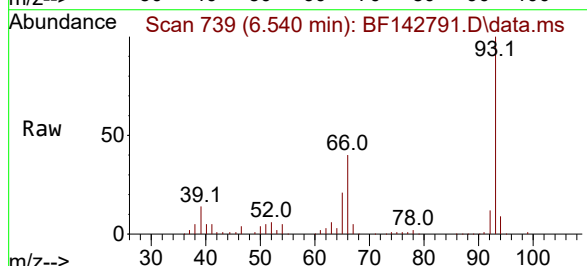
Tgt Ion: 93 Resp: 158463

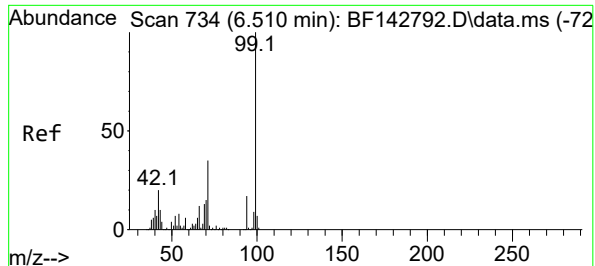
Ion Ratio Lower Upper

93 100

66 40.4 31.8 47.6

65 20.6 16.2 24.2





#7

Phenol-d6

Concen: 41.338 ng

RT: 6.504 min Scan# 71

Delta R.T. -0.006 min

Lab File: BF142791.D

Acq: 19 Jun 2025 18:39

Instrument :

BNA_F

ClientSampleId :

SSTDICC020

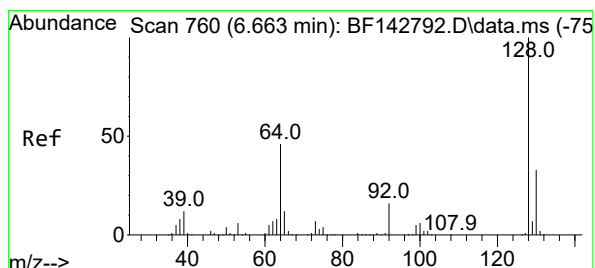
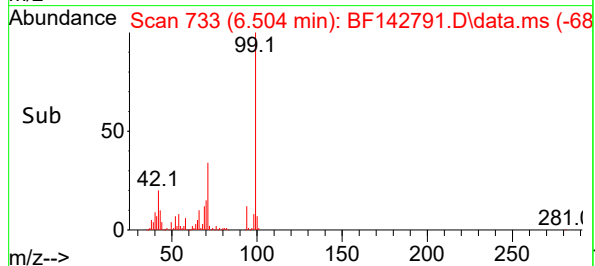
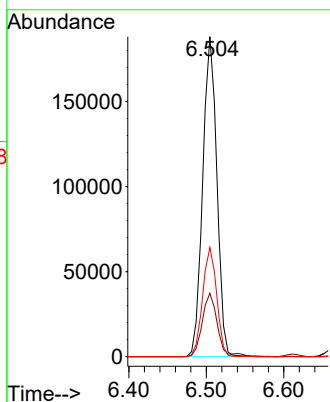
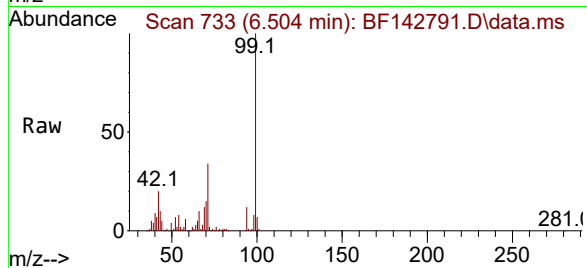
Tgt Ion: 99 Resp: 238437

Ion Ratio Lower Upper

99 100

42 19.8 15.9 23.9

71 34.1 27.8 41.8



#8

2-Chlorophenol

Concen: 20.235 ng

RT: 6.663 min Scan# 760

Delta R.T. 0.000 min

Lab File: BF142791.D

Acq: 19 Jun 2025 18:39

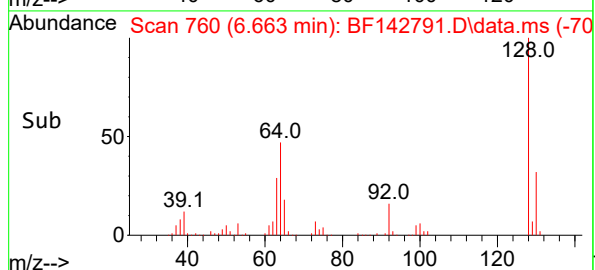
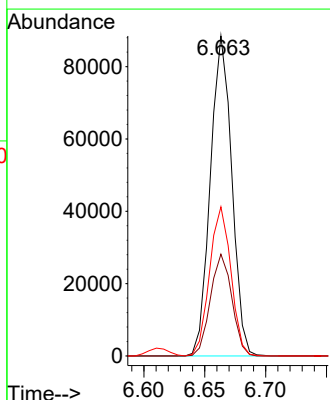
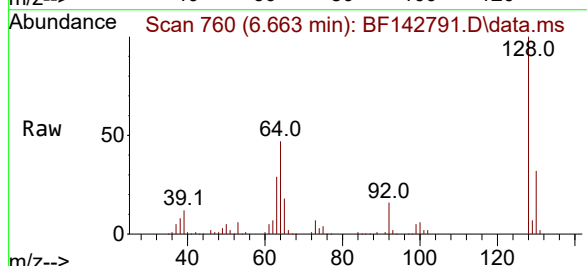
Tgt Ion:128 Resp: 108230

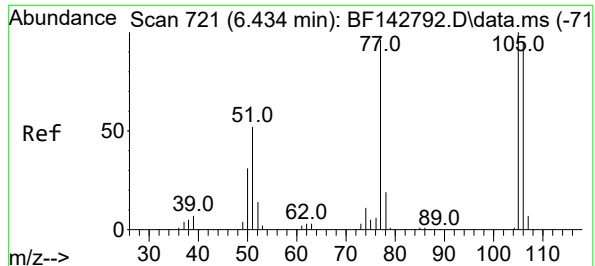
Ion Ratio Lower Upper

128 100

130 31.8 12.7 52.7

64 46.6 26.5 66.5

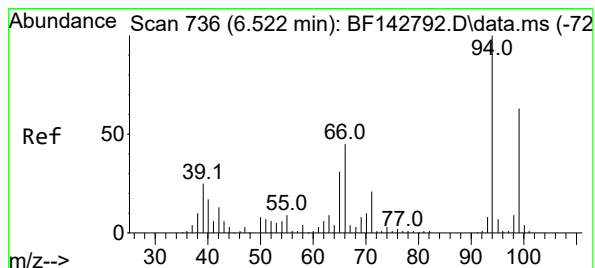
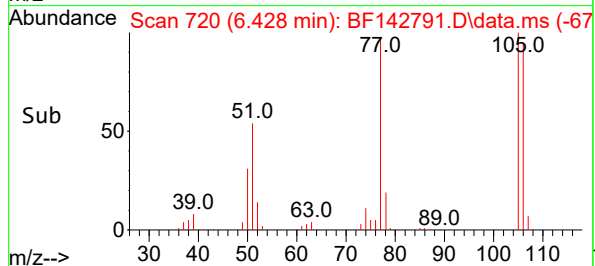
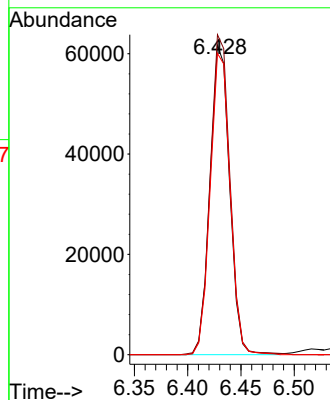
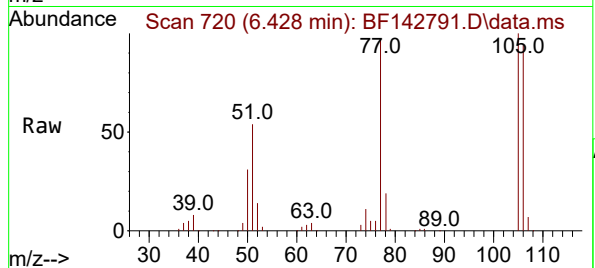




#9
Benzaldehyde
Concen: 22.467 ng
RT: 6.428 min Scan# 71
Delta R.T. -0.006 min
Lab File: BF142791.D
Acq: 19 Jun 2025 18:39

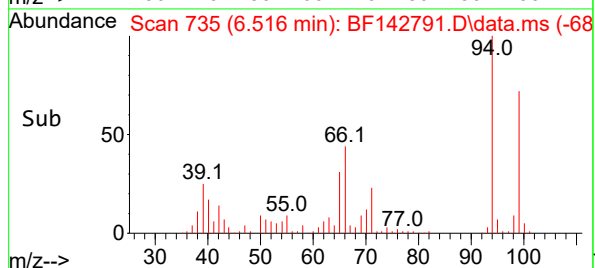
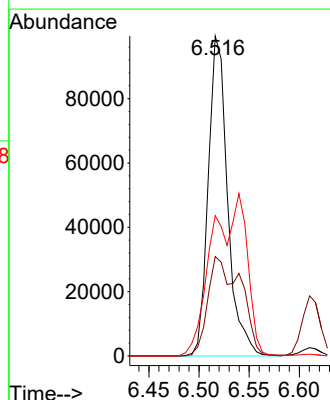
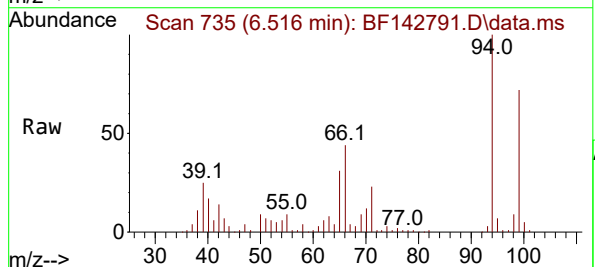
Instrument :
BNA_F
ClientSampleId :
SSTDICC020

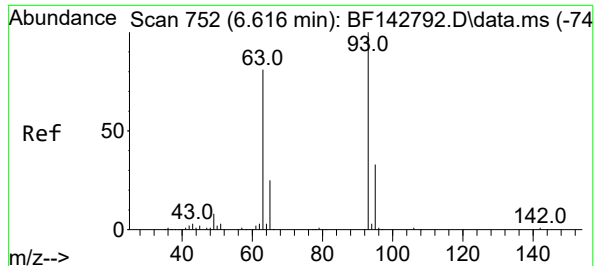
Tgt Ion: 77 Resp: 79008
Ion Ratio Lower Upper
77 100
105 103.4 83.8 123.8
106 97.4 78.7 118.7



#10
Phenol
Concen: 20.730 ng
RT: 6.516 min Scan# 735
Delta R.T. -0.006 min
Lab File: BF142791.D
Acq: 19 Jun 2025 18:39

Tgt Ion: 94 Resp: 133318
Ion Ratio Lower Upper
94 100
65 31.0 11.3 51.3
66 43.8 24.9 64.9

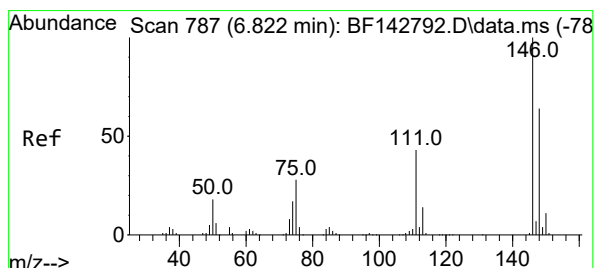
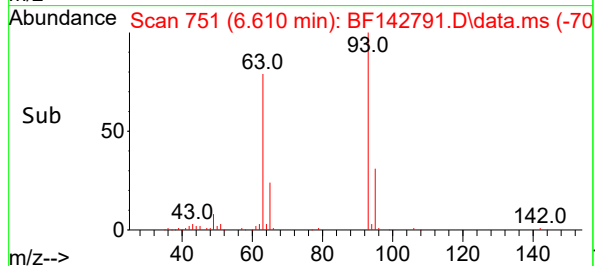
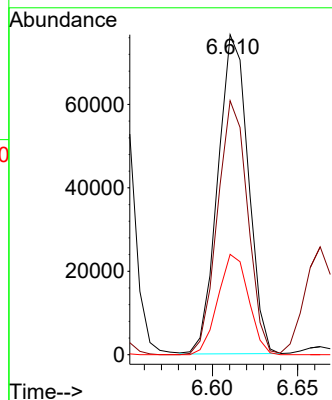
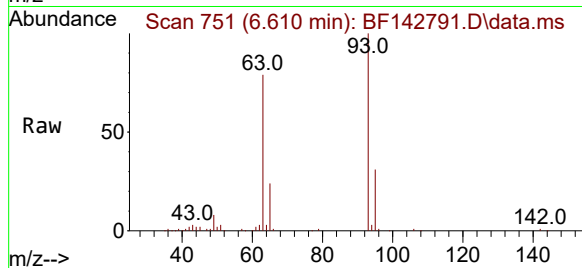




#11
bis(2-Chloroethyl)ether
Concen: 19.905 ng
RT: 6.610 min Scan# 751
Delta R.T. -0.006 min
Lab File: BF142791.D
Acq: 19 Jun 2025 18:39

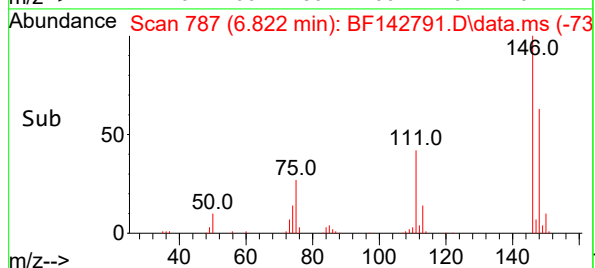
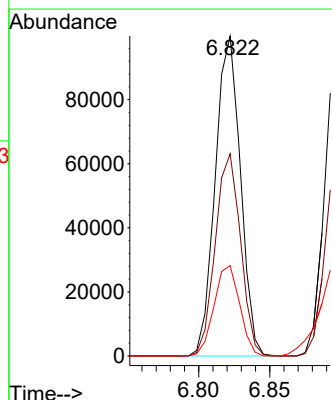
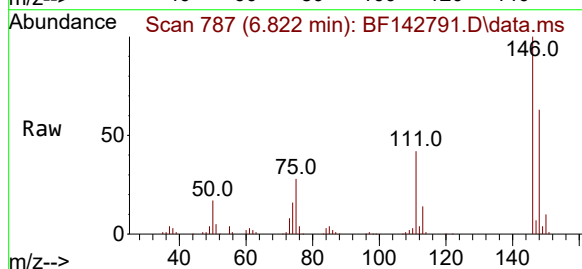
Instrument :
BNA_F
ClientSampleId :
SSTDICC020

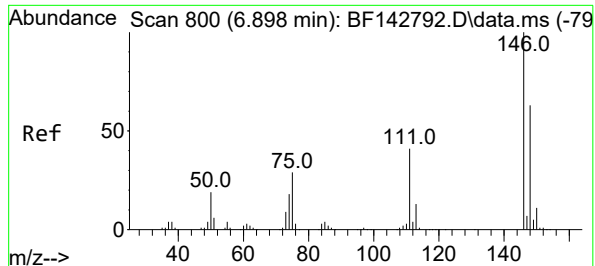
Tgt Ion: 93 Resp: 94972
Ion Ratio Lower Upper
93 100
63 79.3 60.3 100.3
95 31.3 12.5 52.5



#12
1,3-Dichlorobenzene
Concen: 20.218 ng
RT: 6.822 min Scan# 787
Delta R.T. 0.000 min
Lab File: BF142791.D
Acq: 19 Jun 2025 18:39

Tgt Ion: 146 Resp: 123139
Ion Ratio Lower Upper
146 100
148 63.2 51.1 76.7
75 28.2 22.7 34.1





#13

1,4-Dichlorobenzene

Concen: 19.980 ng

RT: 6.899 min Scan# 800

Delta R.T. 0.000 min

Lab File: BF142791.D

Acq: 19 Jun 2025 18:39

Instrument :

BNA_F

ClientSampleId :

SSTDICC020

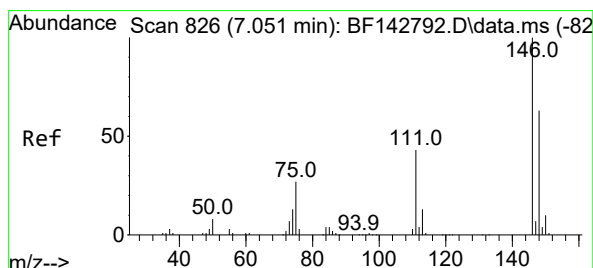
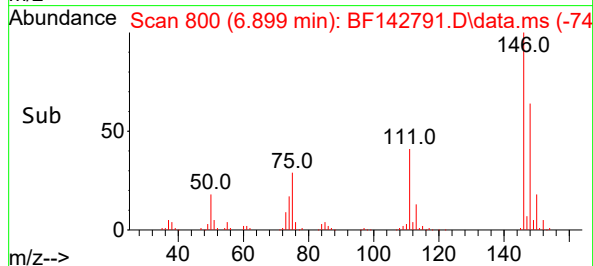
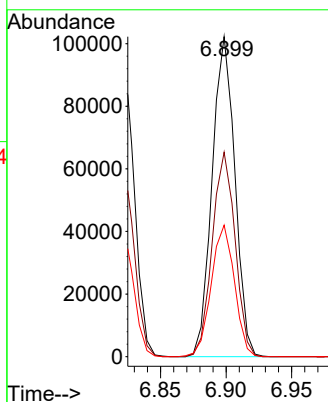
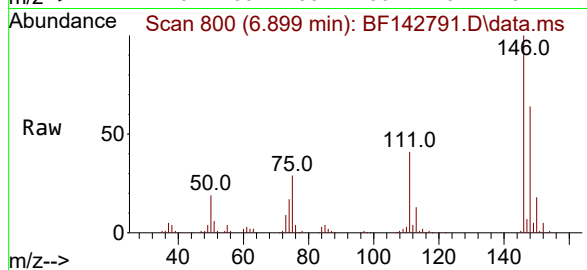
Tgt Ion:146 Resp: 123337

Ion Ratio Lower Upper

146 100

148 63.9 50.2 75.2

111 41.1 33.2 49.8



#14

1,2-Dichlorobenzene

Concen: 20.001 ng

RT: 7.051 min Scan# 826

Delta R.T. 0.000 min

Lab File: BF142791.D

Acq: 19 Jun 2025 18:39

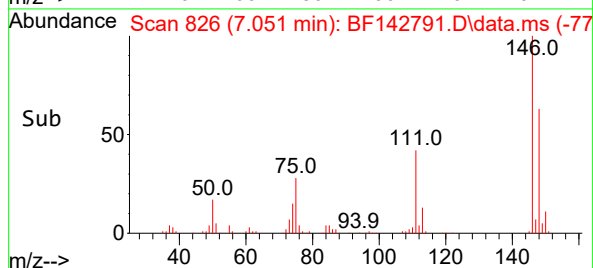
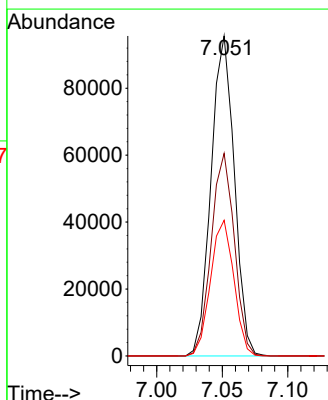
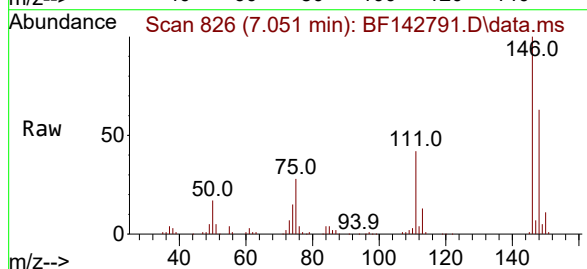
Tgt Ion:146 Resp: 118033

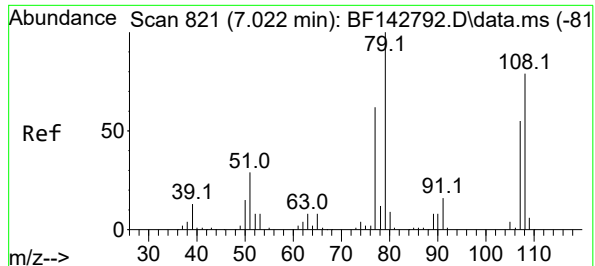
Ion Ratio Lower Upper

146 100

148 63.3 50.4 75.6

111 42.4 34.1 51.1





#15

Benzyl Alcohol

Concen: 19.885 ng

RT: 7.016 min Scan# 81

Delta R.T. -0.006 min

Lab File: BF142791.D

Acq: 19 Jun 2025 18:39

Instrument :

BNA_F

ClientSampleId :

SSTDICC020

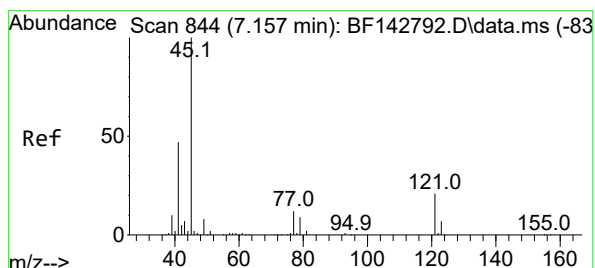
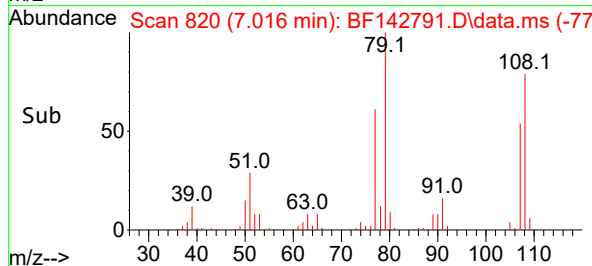
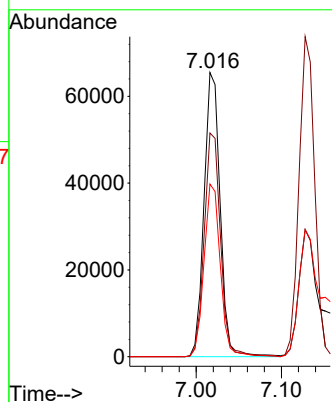
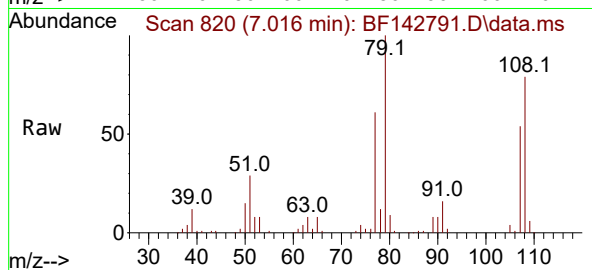
Tgt Ion: 79 Resp: 85856

Ion Ratio Lower Upper

79 100

108 78.7 63.4 95.0

77 60.8 49.5 74.3



#16

2,2'-oxybis(1-Chloropropane)

Concen: 20.224 ng

RT: 7.151 min Scan# 843

Delta R.T. -0.006 min

Lab File: BF142791.D

Acq: 19 Jun 2025 18:39

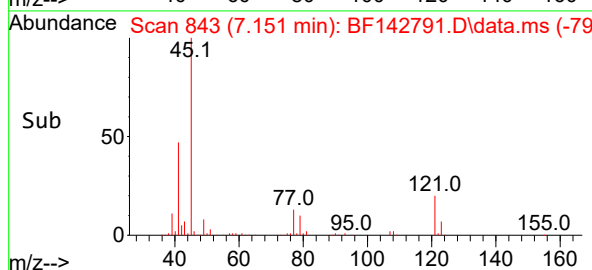
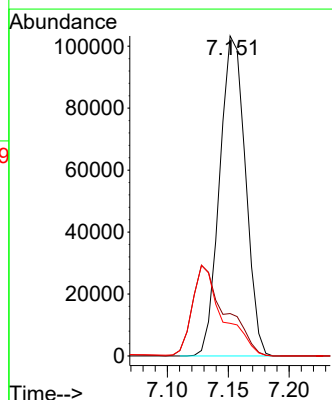
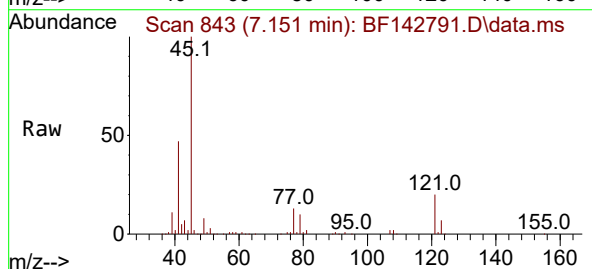
Tgt Ion: 45 Resp: 152035

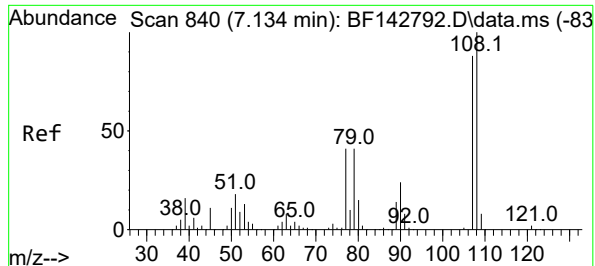
Ion Ratio Lower Upper

45 100

77 13.2 0.0 32.8

79 10.2 0.0 29.8





#17

2-Methylphenol

Concen: 20.077 ng

RT: 7.128 min Scan# 81

Delta R.T. -0.006 min

Lab File: BF142791.D

Acq: 19 Jun 2025 18:39

Instrument :

BNA_F

ClientSampleId :

SSTDICC020

Tgt Ion:107 Resp: 82097

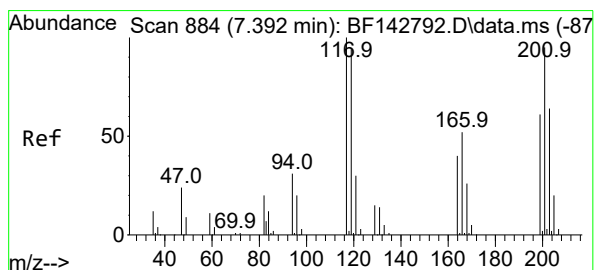
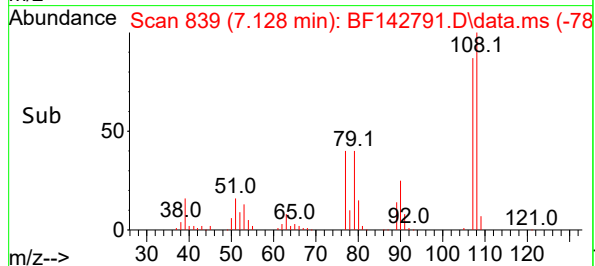
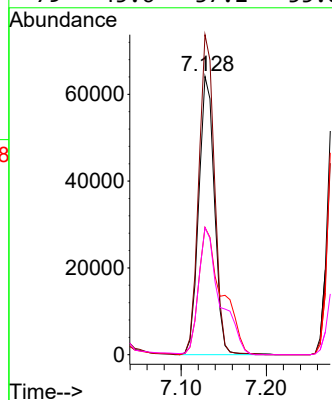
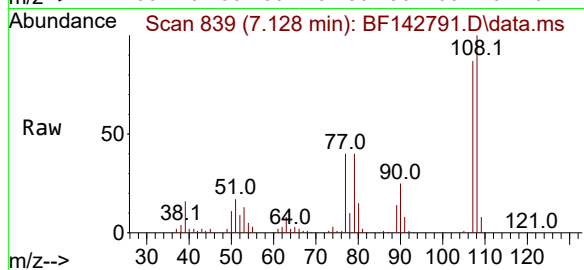
Ion Ratio Lower Upper

107 100

108 115.0 90.9 136.3

77 45.7 37.3 55.9

79 45.6 37.2 55.8



#18

Hexachloroethane

Concen: 19.229 ng

RT: 7.393 min Scan# 884

Delta R.T. 0.000 min

Lab File: BF142791.D

Acq: 19 Jun 2025 18:39

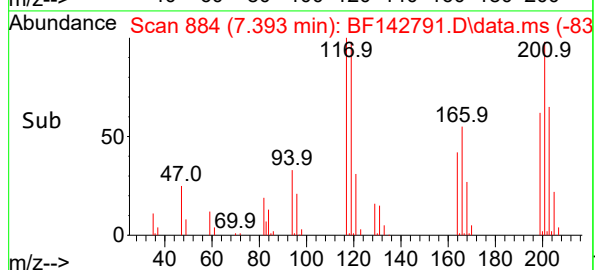
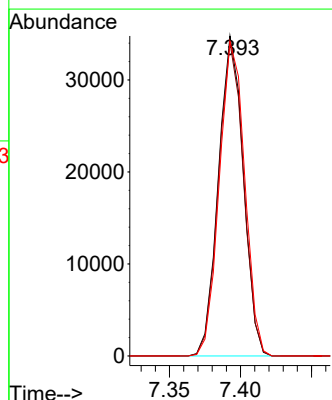
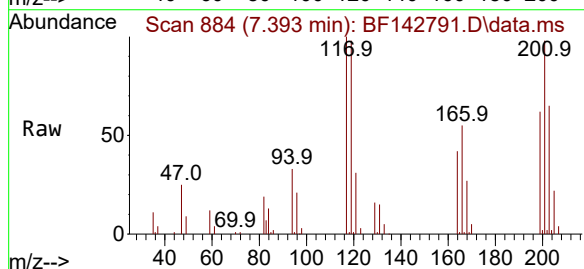
Tgt Ion:117 Resp: 42435

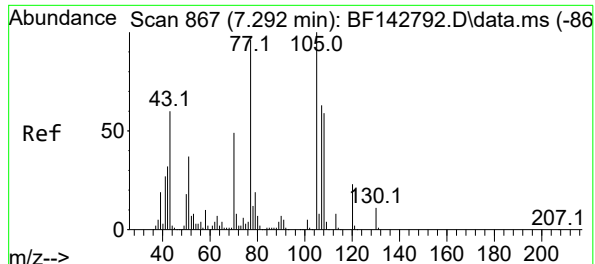
Ion Ratio Lower Upper

117 100

119 97.9 75.4 113.0

201 98.3 75.9 113.9





#19

n-Nitroso-di-n-propylamine

Concen: 19.178 ng

RT: 7.287 min Scan# 8

Delta R.T. -0.006 min

Lab File: BF142791.D

Acq: 19 Jun 2025 18:39

Instrument :

BNA_F

ClientSampleId :

SSTDICC020

Tgt Ion: 70 Resp: 69761

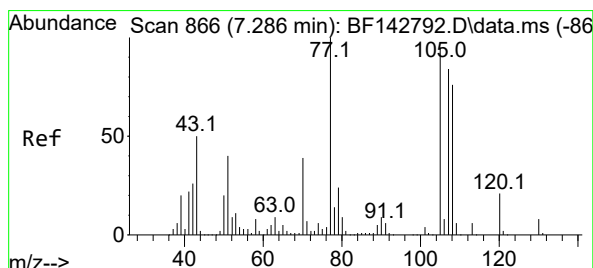
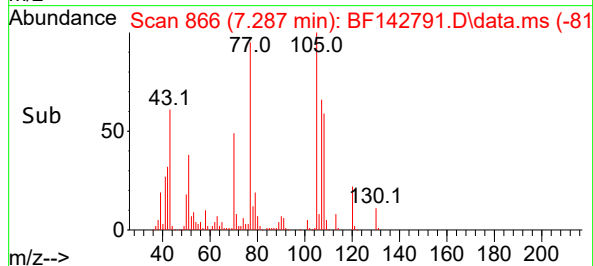
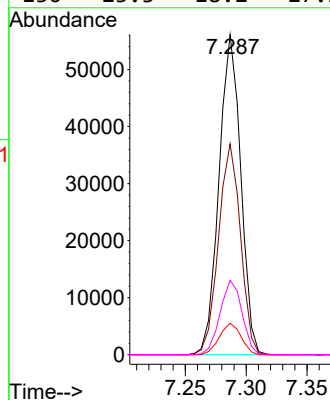
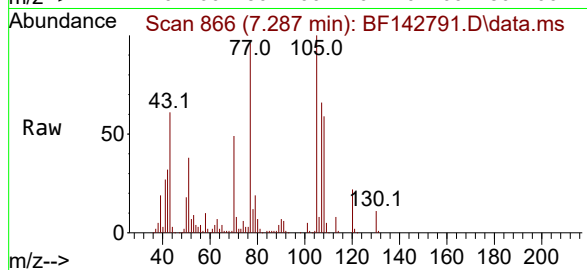
Ion Ratio Lower Upper

70 100

42 65.9 52.1 78.1

101 9.8 8.2 12.2

130 23.3 18.2 27.2



#20

3+4-Methylphenols

Concen: 20.547 ng

RT: 7.281 min Scan# 865

Delta R.T. -0.006 min

Lab File: BF142791.D

Acq: 19 Jun 2025 18:39

Tgt Ion:107 Resp: 105750

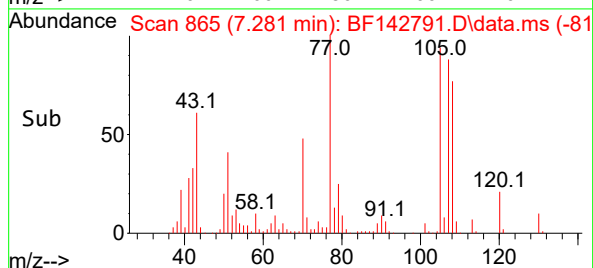
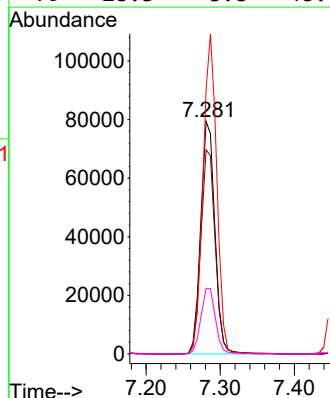
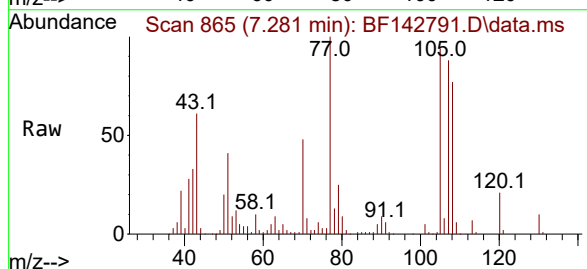
Ion Ratio Lower Upper

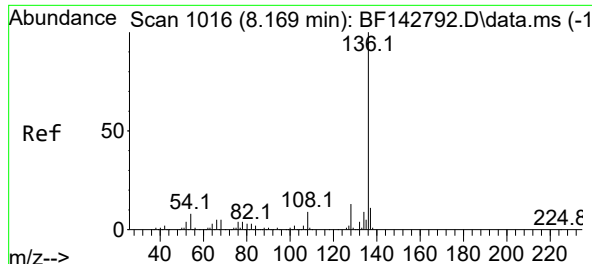
107 100

108 87.9 70.0 110.0

77 113.9 98.5 138.5

79 28.3 8.8 48.8





#21

Naphthalene-d8

Concen: 20.000 ng

RT: 8.163 min Scan# 1016

Delta R.T. -0.006 min

Lab File: BF142791.D

Acq: 19 Jun 2025 18:39

Instrument :

BNA_F

ClientSampleId :

SSTDICC020

Tgt Ion:136 Resp: 312367

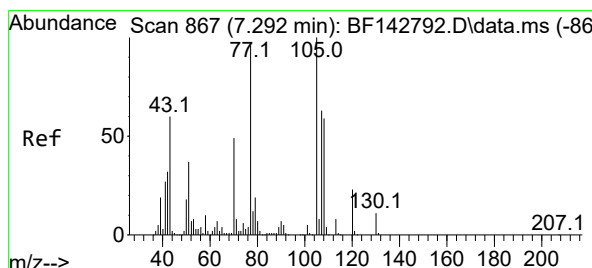
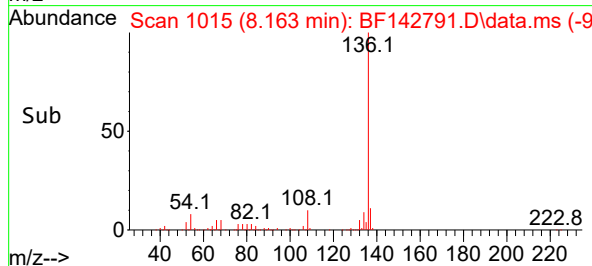
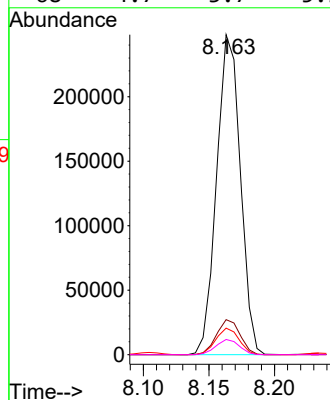
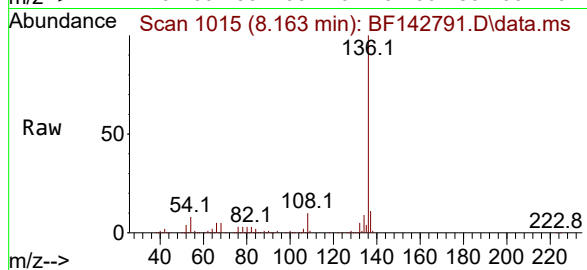
Ion Ratio Lower Upper

136 100

137 11.0 8.4 12.6

54 8.3 6.3 9.5

68 4.7 3.7 5.5



#22

Acetophenone

Concen: 20.730 ng

RT: 7.287 min Scan# 866

Delta R.T. -0.006 min

Lab File: BF142791.D

Acq: 19 Jun 2025 18:39

Tgt Ion:105 Resp: 143274

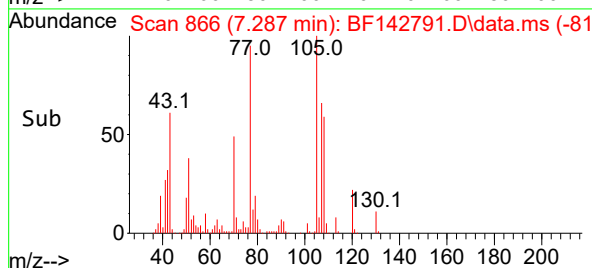
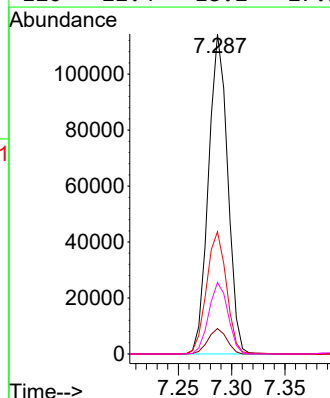
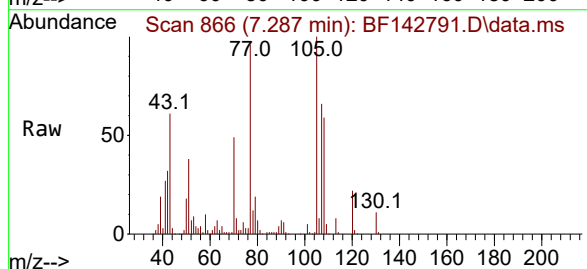
Ion Ratio Lower Upper

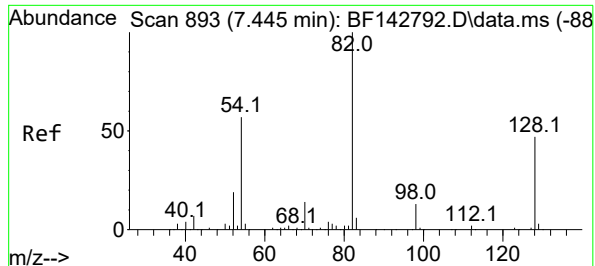
105 100

71 8.0 6.5 9.7

51 38.2 29.8 44.8

120 22.4 18.2 27.2





#23

Nitrobenzene-d5

Concen: 40.933 ng

RT: 7.440 min Scan# 893

Delta R.T. -0.006 min

Lab File: BF142791.D

Acq: 19 Jun 2025 18:39

Instrument :

BNA_F

ClientSampleId :

SSTDICC020

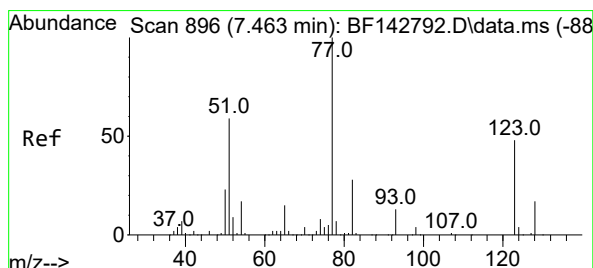
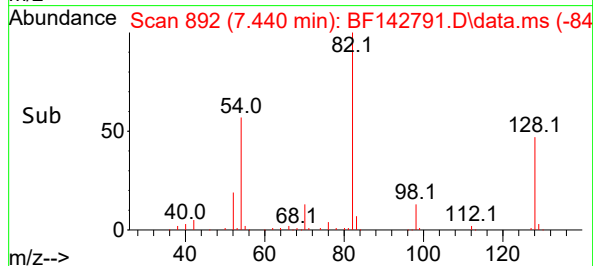
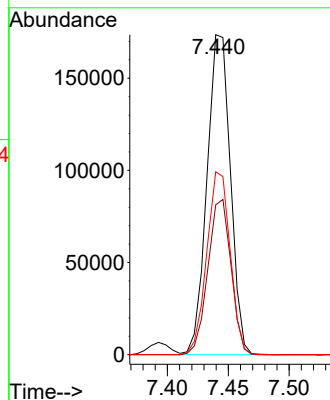
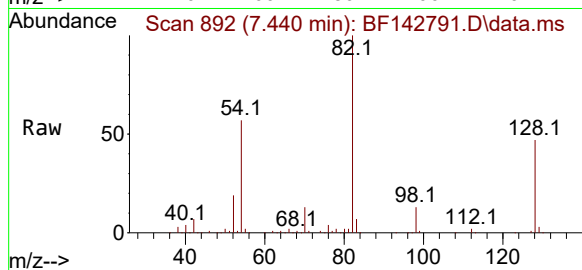
Tgt Ion: 82 Resp: 233268

Ion Ratio Lower Upper

82 100

128 46.8 37.7 56.5

54 57.1 45.7 68.5



#24

Nitrobenzene

Concen: 20.450 ng

RT: 7.463 min Scan# 896

Delta R.T. 0.000 min

Lab File: BF142791.D

Acq: 19 Jun 2025 18:39

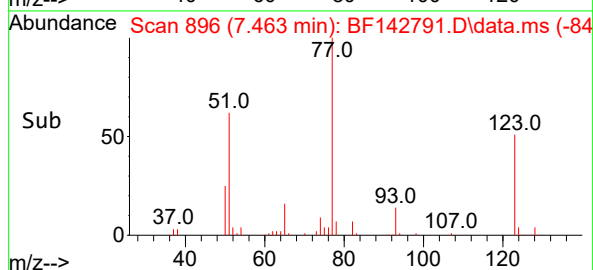
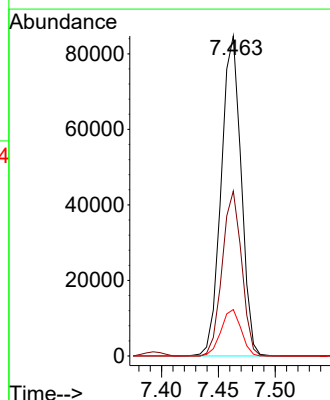
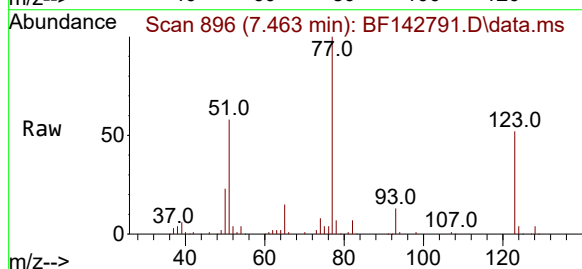
Tgt Ion: 77 Resp: 103569

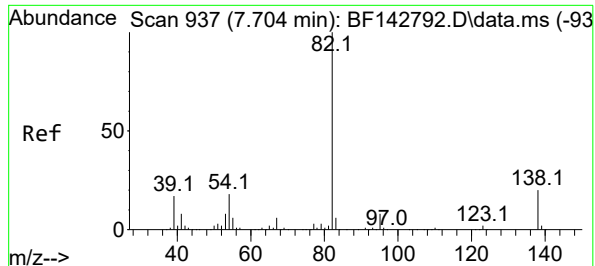
Ion Ratio Lower Upper

77 100

123 51.6 39.2 58.8

65 14.5 11.6 17.4

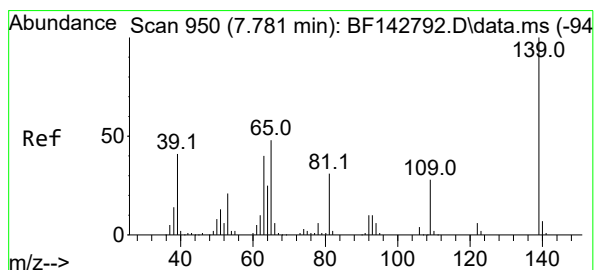
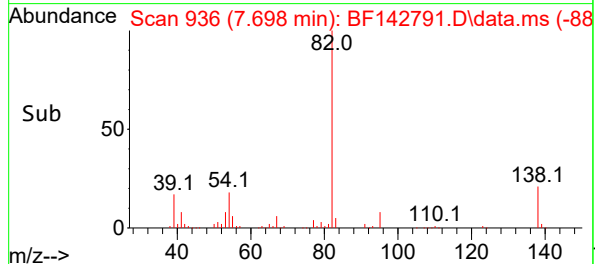
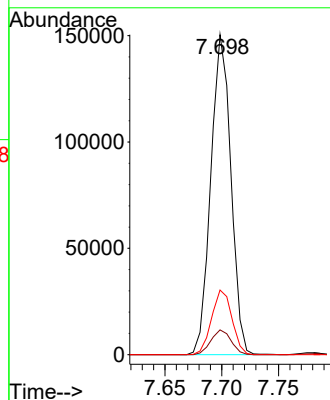
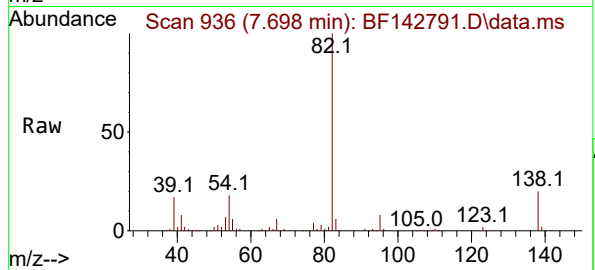




#25
Isophorone
Concen: 19.365 ng
RT: 7.698 min Scan# 91
Delta R.T. -0.006 min
Lab File: BF142791.D
Acq: 19 Jun 2025 18:39

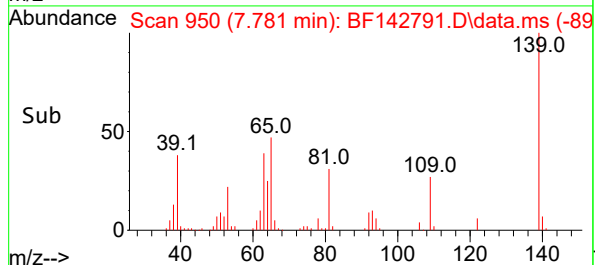
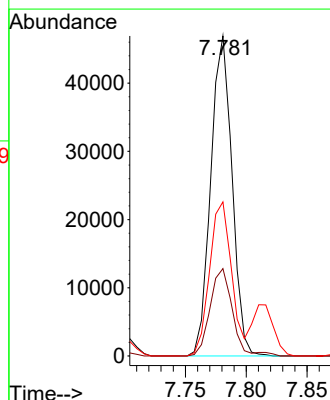
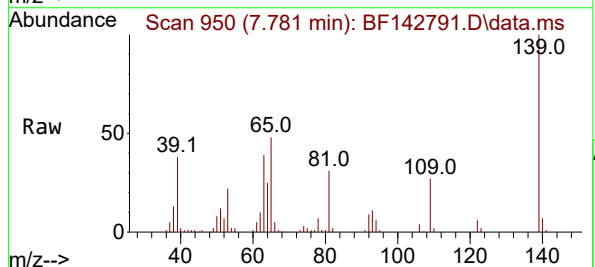
Instrument :
BNA_F
ClientSampleId :
SSTDICC020

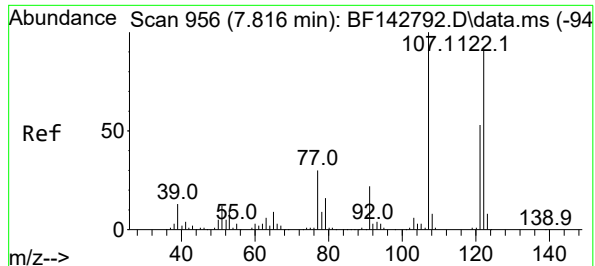
Tgt Ion: 82 Resp: 185071
Ion Ratio Lower Upper
82 100
95 7.8 6.2 9.2
138 20.2 16.2 24.4



#26
2-Nitrophenol
Concen: 20.191 ng
RT: 7.781 min Scan# 950
Delta R.T. 0.000 min
Lab File: BF142791.D
Acq: 19 Jun 2025 18:39

Tgt Ion:139 Resp: 56979
Ion Ratio Lower Upper
139 100
109 27.3 22.7 34.1
65 48.2 38.6 58.0





#27

2,4-Dimethylphenol

Concen: 20.659 ng

RT: 7.816 min Scan# 91

Delta R.T. 0.000 min

Lab File: BF142791.D

Acq: 19 Jun 2025 18:39

Instrument :

BNA_F

ClientSampleId :

SSTDICC020

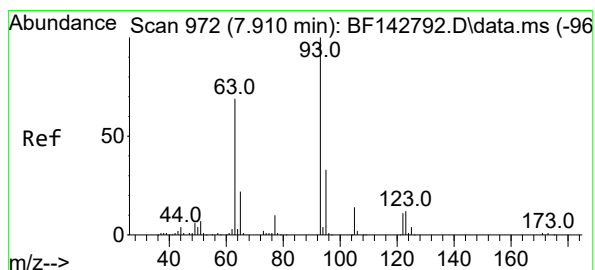
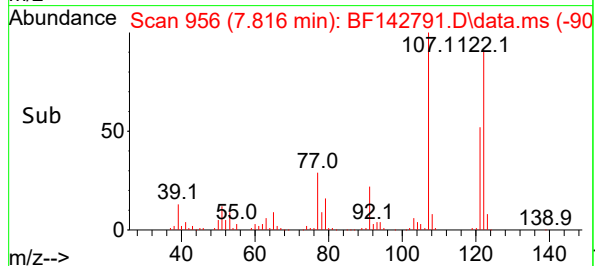
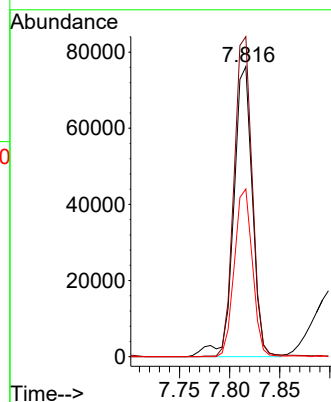
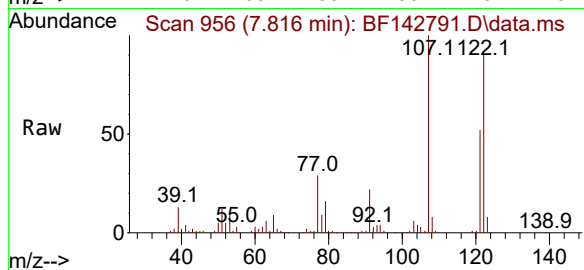
Tgt Ion:122 Resp: 99256

Ion Ratio Lower Upper

122 100

107 110.3 88.0 132.0

121 57.8 46.3 69.5



#28

bis(2-Chloroethoxy)methane

Concen: 20.087 ng

RT: 7.910 min Scan# 972

Delta R.T. 0.000 min

Lab File: BF142791.D

Acq: 19 Jun 2025 18:39

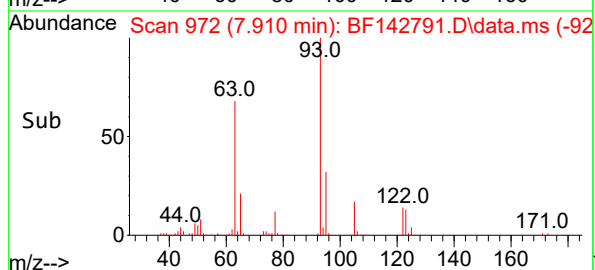
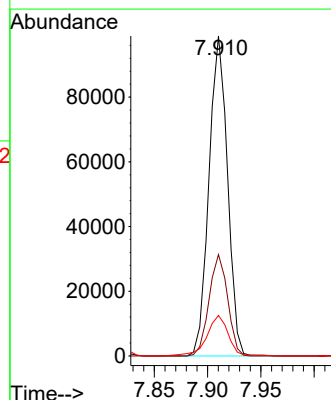
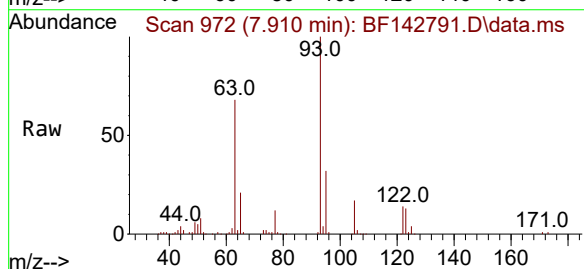
Tgt Ion: 93 Resp: 119505

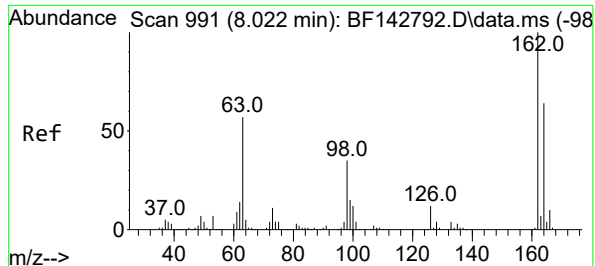
Ion Ratio Lower Upper

93 100

95 31.7 26.2 39.2

123 12.6 9.9 14.9





#29

2,4-Dichlorophenol

Concen: 20.437 ng

RT: 8.022 min Scan# 991

Delta R.T. 0.000 min

Lab File: BF142791.D

Acq: 19 Jun 2025 18:39

Instrument :

BNA_F

ClientSampleId :

SSTDICC020

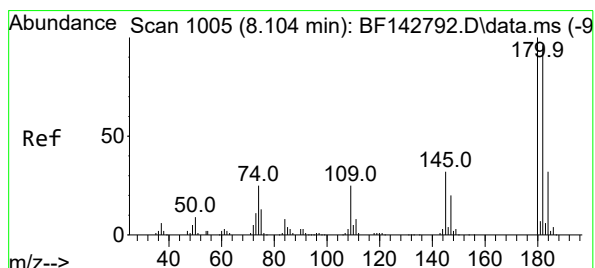
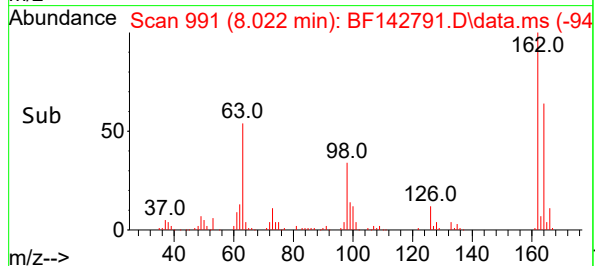
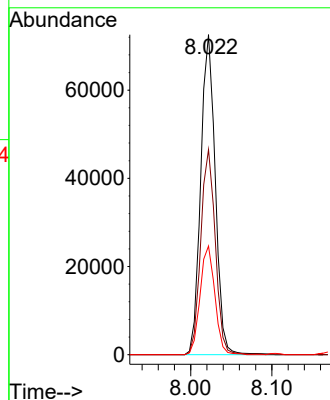
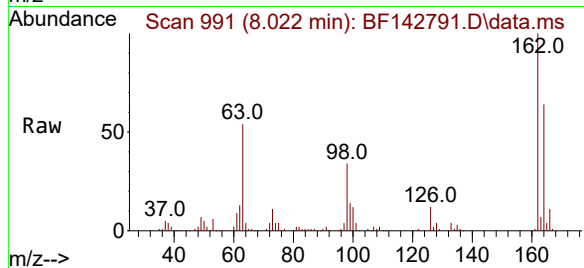
Tgt Ion:162 Resp: 90497

Ion Ratio Lower Upper

162 100

164 64.1 44.0 84.0

98 33.9 15.4 55.4



#30

1,2,4-Trichlorobenzene

Concen: 20.304 ng

RT: 8.104 min Scan# 1005

Delta R.T. 0.000 min

Lab File: BF142791.D

Acq: 19 Jun 2025 18:39

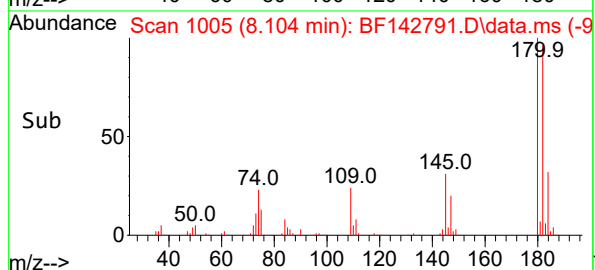
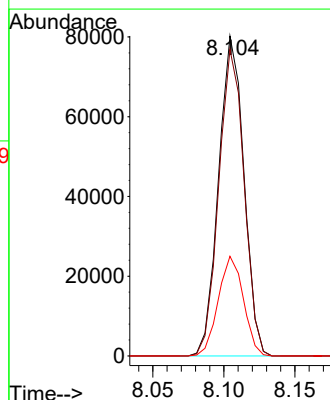
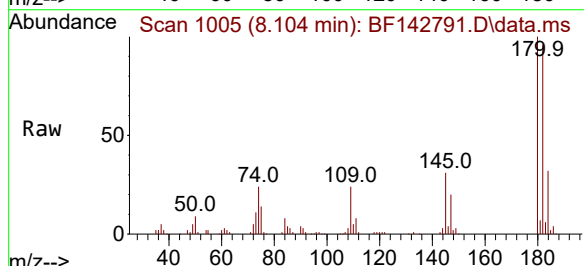
Tgt Ion:180 Resp: 99320

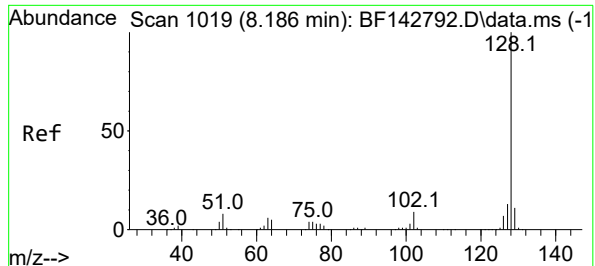
Ion Ratio Lower Upper

180 100

182 95.8 76.4 114.6

145 31.2 25.8 38.8





#31

Naphthalene

Concen: 20.405 ng

RT: 8.187 min Scan# 1019

Delta R.T. 0.000 min

Lab File: BF142791.D

Acq: 19 Jun 2025 18:39

Instrument :

BNA_F

ClientSampleId :

SSTDICC020

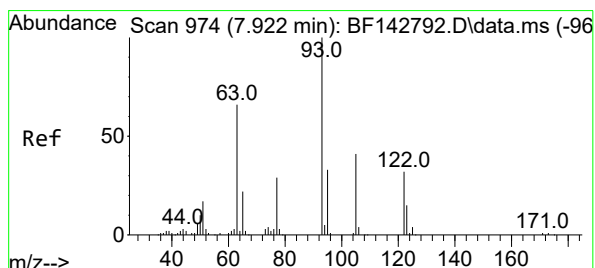
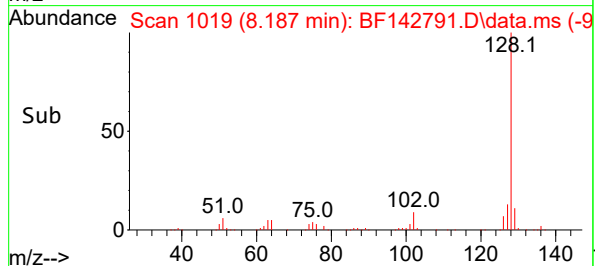
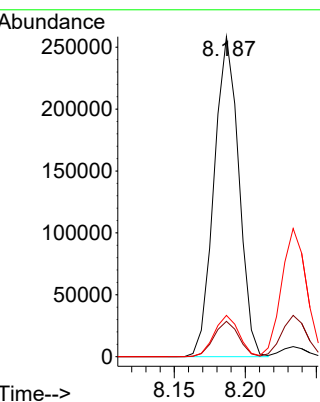
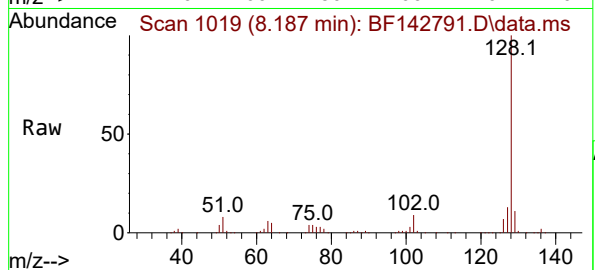
Tgt Ion:128 Resp: 313467

Ion Ratio Lower Upper

128 100

129 11.1 8.9 13.3

127 12.9 10.4 15.6



#32

Benzoic acid

Concen: 17.245 ng

RT: 7.898 min Scan# 970

Delta R.T. -0.023 min

Lab File: BF142791.D

Acq: 19 Jun 2025 18:39

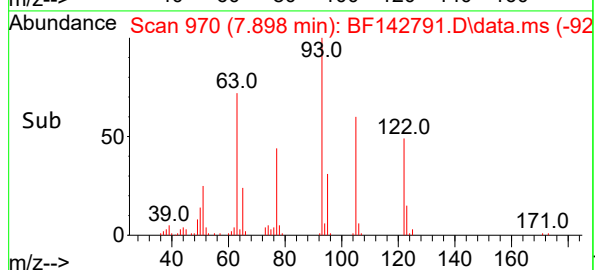
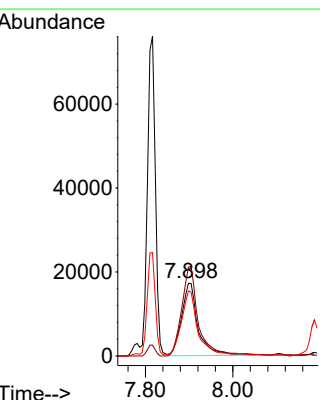
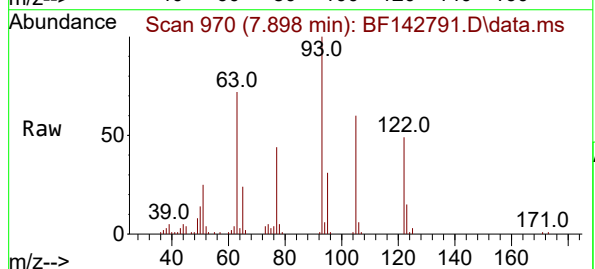
Tgt Ion:122 Resp: 45969

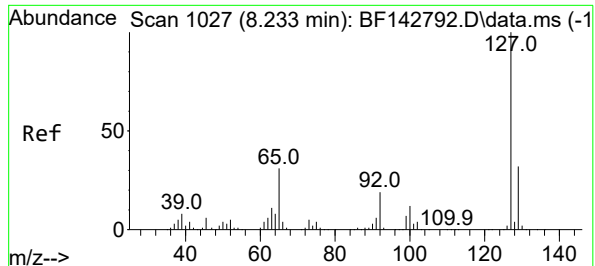
Ion Ratio Lower Upper

122 100

105 122.5 104.7 144.7

77 89.4 70.2 110.2





#33

4-Chloroaniline

Concen: 20.729 ng

RT: 8.234 min Scan# 1027

Delta R.T. 0.000 min

Lab File: BF142791.D

Acq: 19 Jun 2025 18:39

Instrument :

BNA_F

ClientSampleId :

SSTDICC020

Tgt Ion:127 Resp: 127623

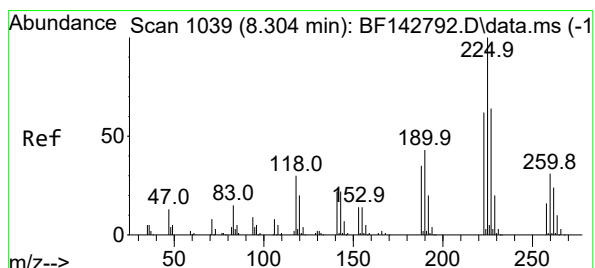
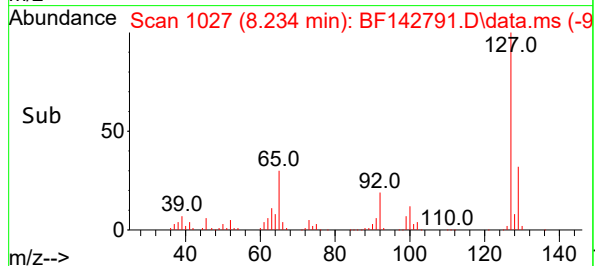
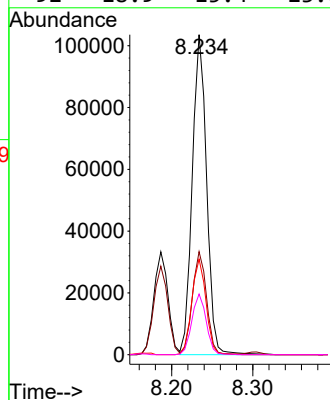
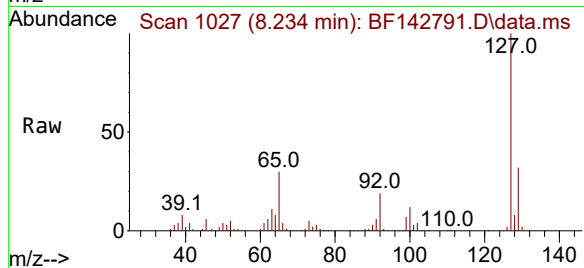
Ion Ratio Lower Upper

127 100

129 32.2 25.9 38.9

65 29.8 24.6 36.8

92 18.9 15.4 23.0



#34

Hexachlorobutadiene

Concen: 20.001 ng

RT: 8.304 min Scan# 1039

Delta R.T. 0.000 min

Lab File: BF142791.D

Acq: 19 Jun 2025 18:39

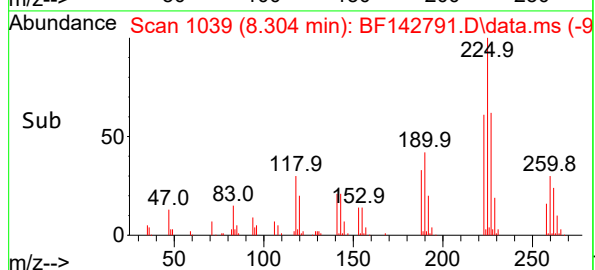
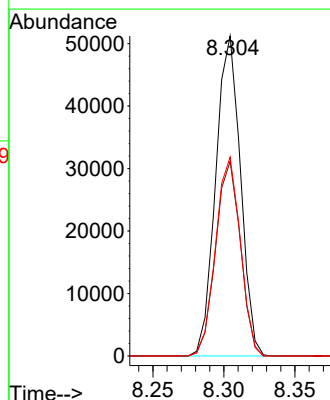
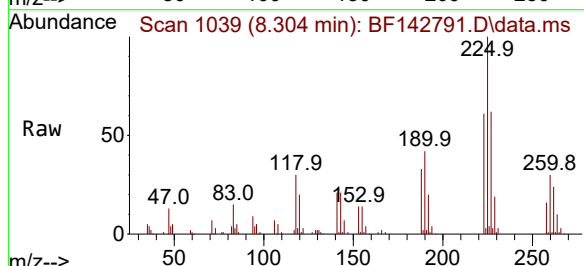
Tgt Ion:225 Resp: 61994

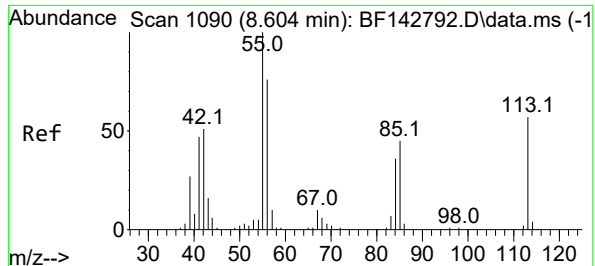
Ion Ratio Lower Upper

225 100

223 60.8 49.9 74.9

227 62.2 51.4 77.0

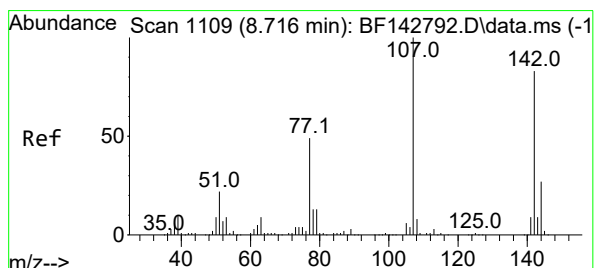
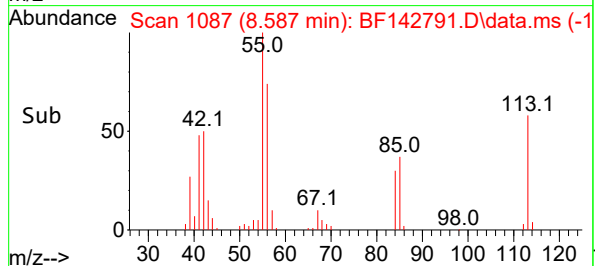
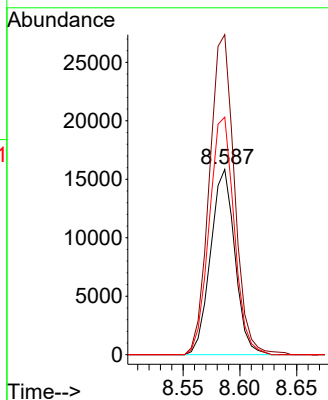
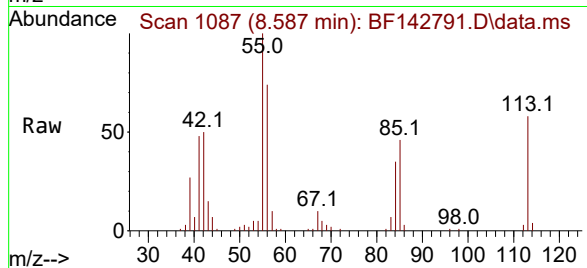




#35
Caprolactam
Concen: 19.769 ng
RT: 8.587 min Scan# 1087
Delta R.T. -0.017 min
Lab File: BF142791.D
Acq: 19 Jun 2025 18:39

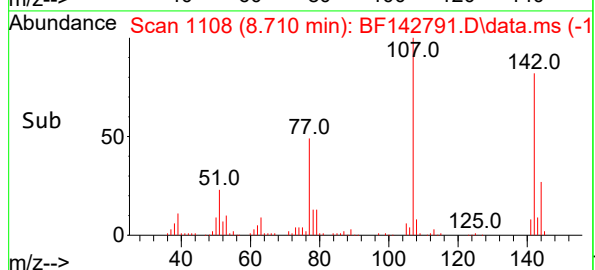
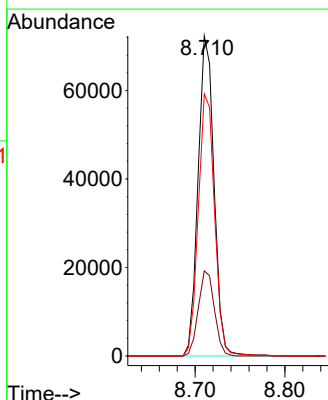
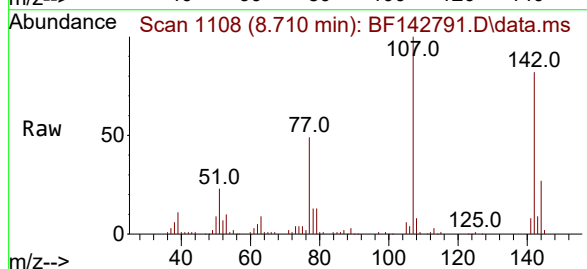
Instrument :
BNA_F
ClientSampleId :
SSTDICC020

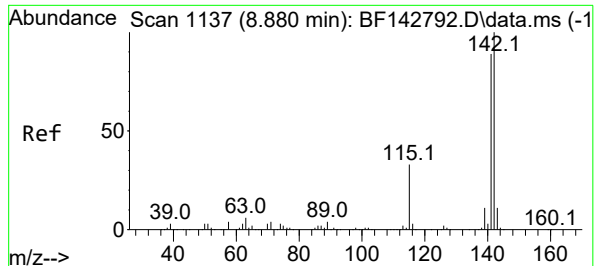
Tgt Ion:113 Resp: 23555
Ion Ratio Lower Upper
113 100
55 172.7 154.4 194.4
56 128.3 112.1 152.1



#36
4-Chloro-3-methylphenol
Concen: 19.518 ng
RT: 8.710 min Scan# 1108
Delta R.T. -0.006 min
Lab File: BF142791.D
Acq: 19 Jun 2025 18:39

Tgt Ion:107 Resp: 89279
Ion Ratio Lower Upper
107 100
144 26.6 21.3 31.9
142 81.8 66.6 100.0

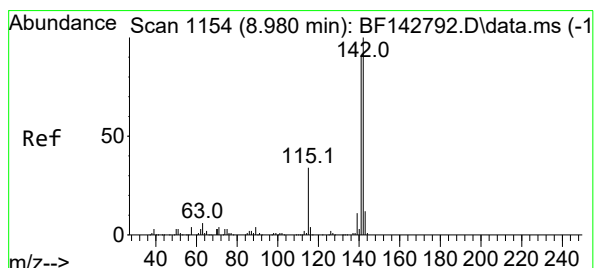
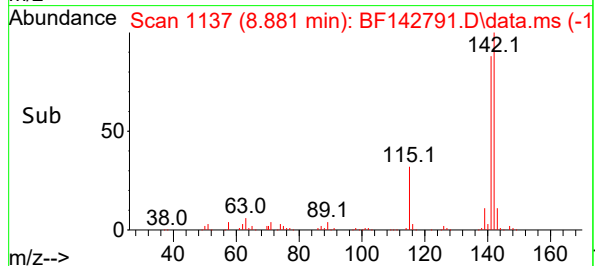
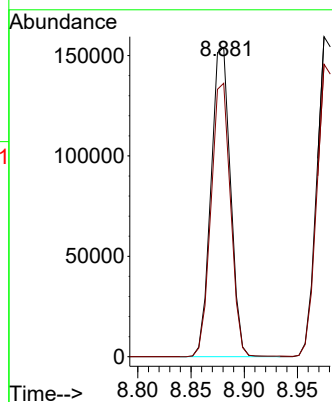
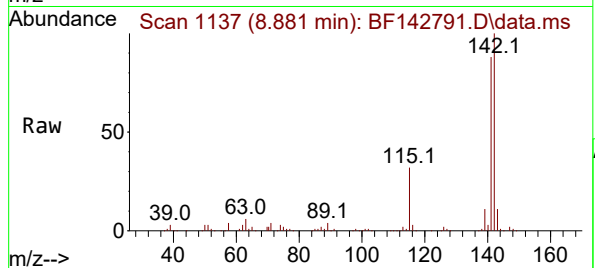




#37
2-Methylnaphthalene
Concen: 20.287 ng
RT: 8.881 min Scan# 1137
Delta R.T. 0.000 min
Lab File: BF142791.D
Acq: 19 Jun 2025 18:39

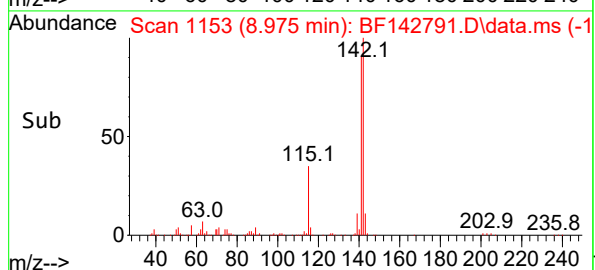
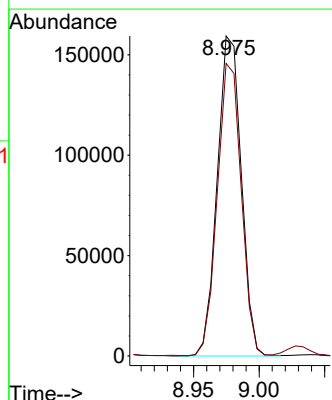
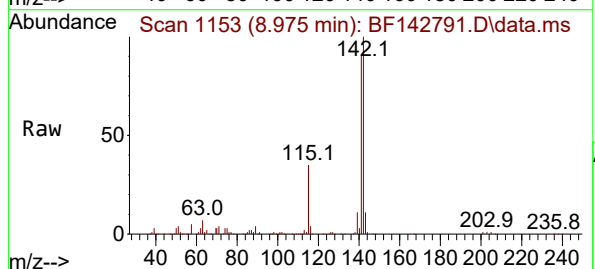
Instrument :
BNA_F
ClientSampleId :
SSTDICC020

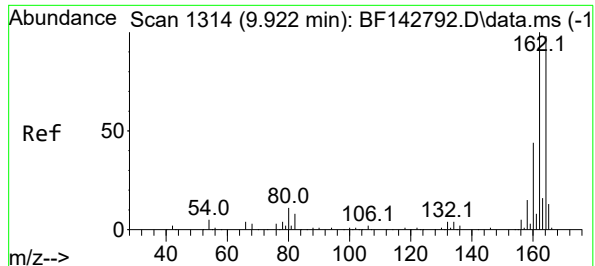
Tgt Ion:142 Resp: 196609
Ion Ratio Lower Upper
142 100
141 88.5 70.9 106.3



#38
1-Methylnaphthalene
Concen: 20.165 ng
RT: 8.975 min Scan# 1153
Delta R.T. -0.006 min
Lab File: BF142791.D
Acq: 19 Jun 2025 18:39

Tgt Ion:142 Resp: 202898
Ion Ratio Lower Upper
142 100
141 91.4 73.0 109.4





#39

Acenaphthene-d10

Concen: 20.000 ng

RT: 9.922 min Scan# 1165

Delta R.T. 0.000 min

Lab File: BF142791.D

Acq: 19 Jun 2025 18:39

Instrument :

BNA_F

ClientSampleId :

SSTDICC020

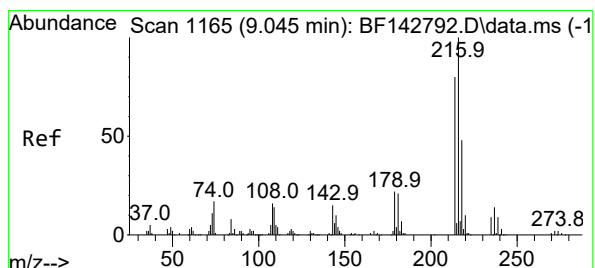
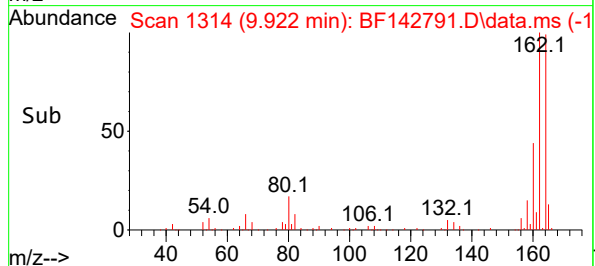
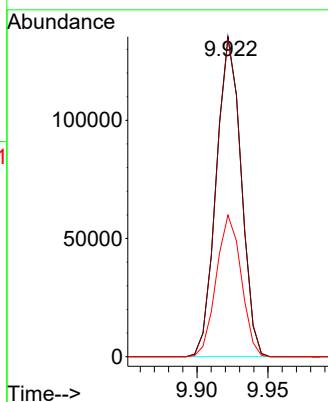
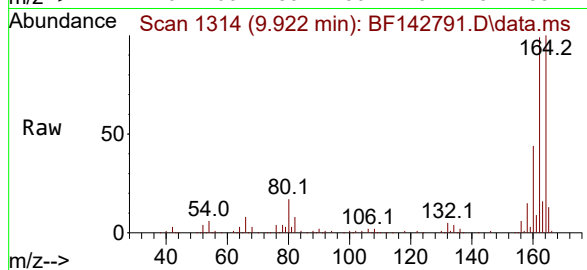
Tgt Ion:164 Resp: 164603

Ion Ratio Lower Upper

164 100

162 99.4 81.8 122.8

160 44.2 36.0 54.0



#40

1,2,4,5-Tetrachlorobenzene

Concen: 20.857 ng

RT: 9.045 min Scan# 1165

Delta R.T. 0.000 min

Lab File: BF142791.D

Acq: 19 Jun 2025 18:39

Tgt Ion:216 Resp: 99104

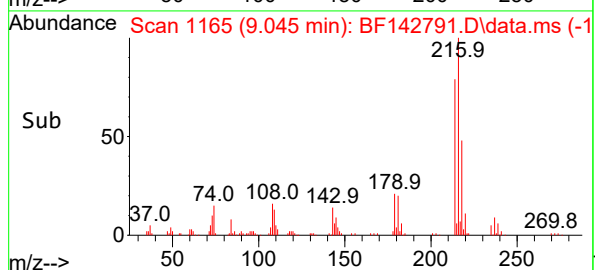
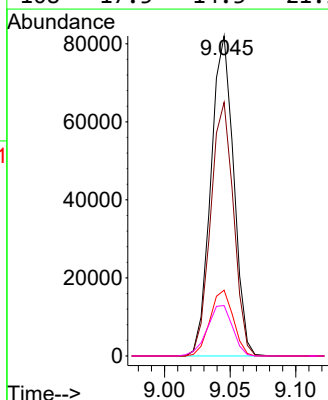
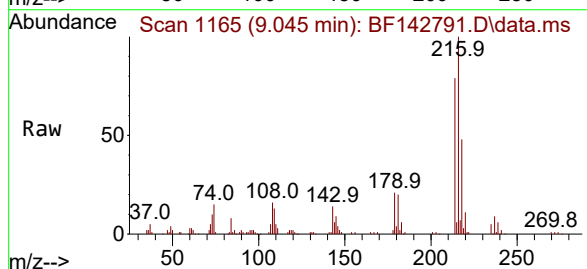
Ion Ratio Lower Upper

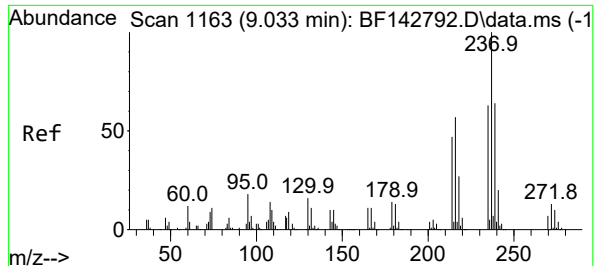
216 100

214 79.4 63.7 95.5

179 20.9 17.6 26.4

108 17.5 14.3 21.5

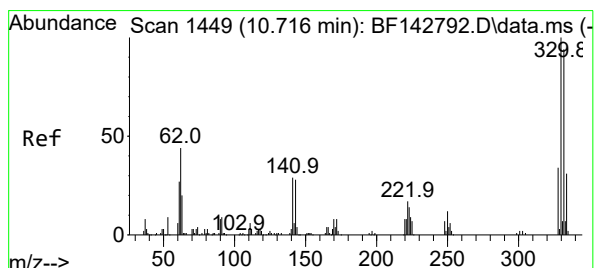
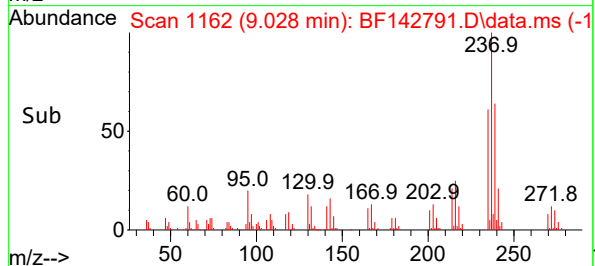
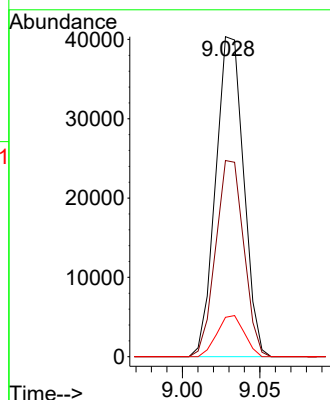
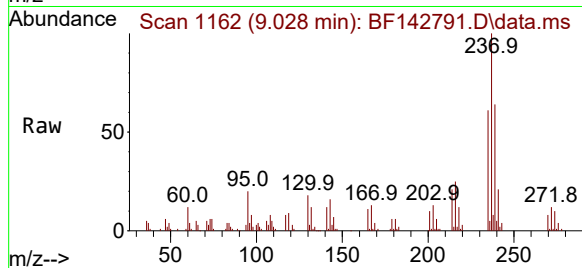




#41
Hexachlorocyclopentadiene
Concen: 16.864 ng
RT: 9.028 min Scan# 1163
Delta R.T. -0.006 min
Lab File: BF142791.D
Acq: 19 Jun 2025 18:39

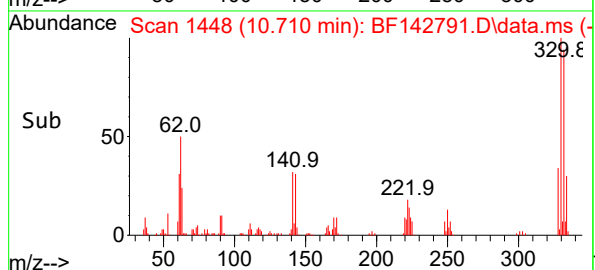
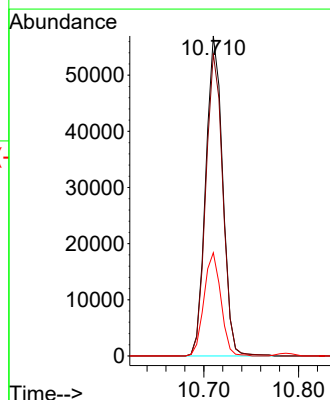
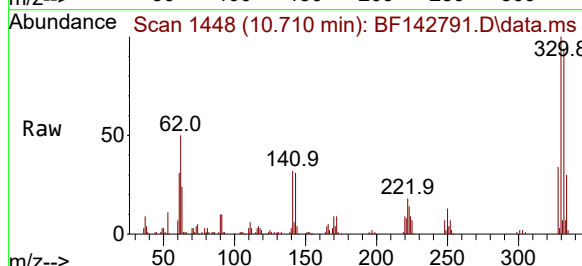
Instrument :
BNA_F
ClientSampleId :
SSTDICC020

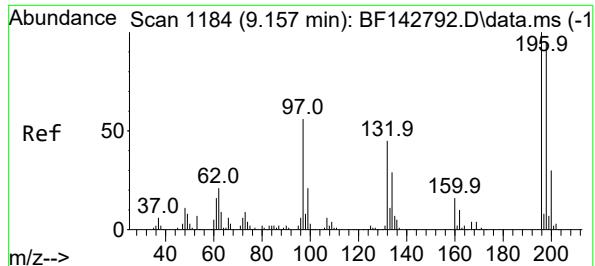
Tgt Ion	Ratio	Lower	Upper
237	100		
235	61.3	43.4	83.4
272	12.3	0.0	32.7



#42
2,4,6-Tribromophenol
Concen: 39.411 ng
RT: 10.710 min Scan# 1448
Delta R.T. -0.006 min
Lab File: BF142791.D
Acq: 19 Jun 2025 18:39

Tgt Ion	Ratio	Lower	Upper
330	100		
332	95.1	75.0	112.6
141	32.1	25.3	37.9





#43

2,4,6-Trichlorophenol

Concen: 21.069 ng

RT: 9.157 min Scan# 1184

Delta R.T. 0.000 min

Lab File: BF142791.D

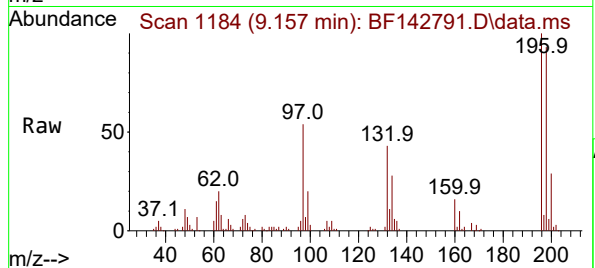
Acq: 19 Jun 2025 18:39

Instrument :

BNA_F

ClientSampleId :

SSTDICC020



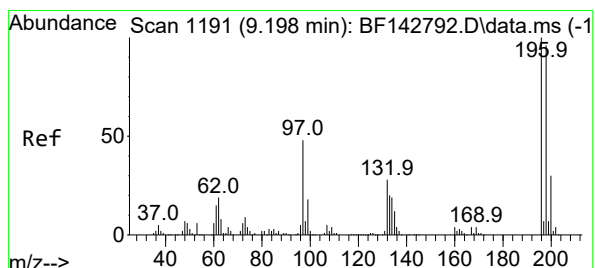
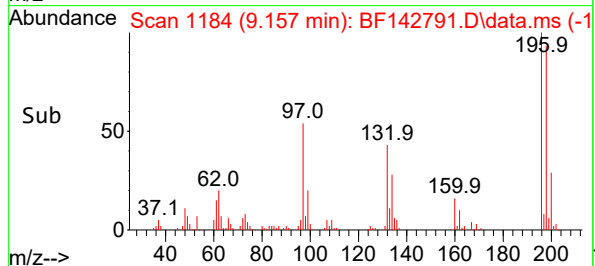
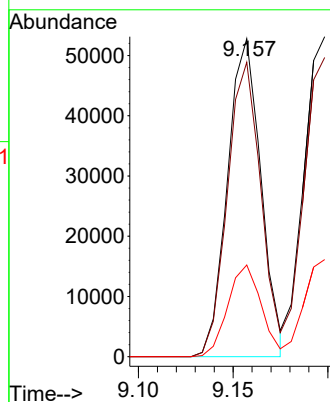
Tgt Ion:196 Resp: 64786

Ion Ratio Lower Upper

196 100

198 92.6 76.2 114.2

200 28.9 24.1 36.1



#44

2,4,5-Trichlorophenol

Concen: 20.862 ng

RT: 9.198 min Scan# 1191

Delta R.T. 0.000 min

Lab File: BF142791.D

Acq: 19 Jun 2025 18:39

Tgt Ion:196 Resp: 69275

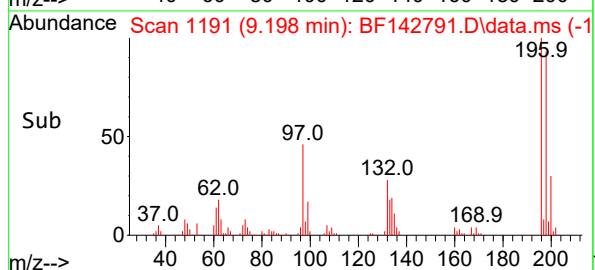
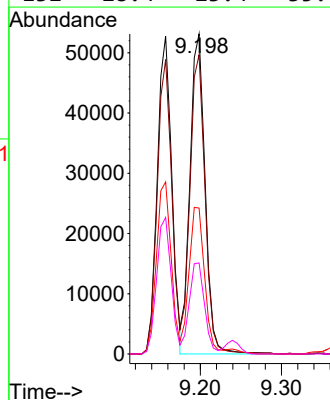
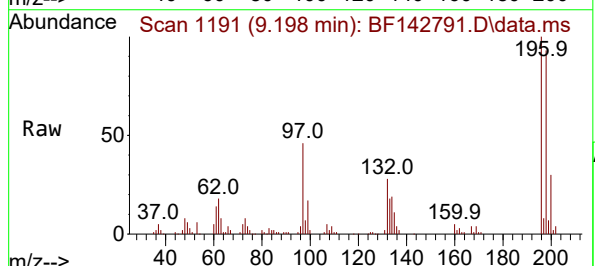
Ion Ratio Lower Upper

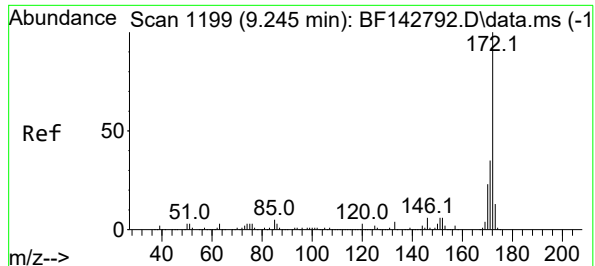
196 100

198 93.5 76.6 115.0

97 45.6 38.2 57.2

132 28.4 23.4 35.0





#45

2-Fluorobiphenyl

Concen: 42.356 ng

RT: 9.240 min Scan# 1199

Delta R.T. -0.006 min

Lab File: BF142791.D

Acq: 19 Jun 2025 18:39

Instrument :

BNA_F

ClientSampleId :

SSTDICC020

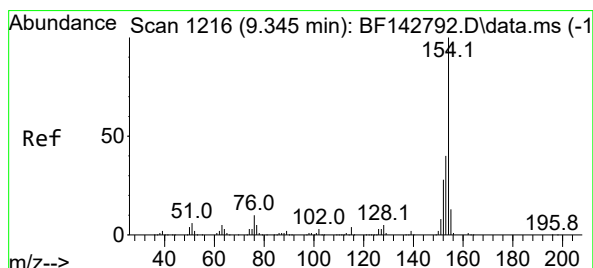
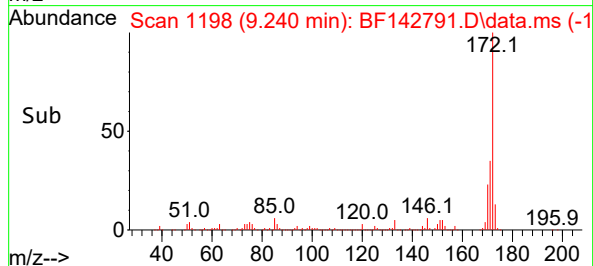
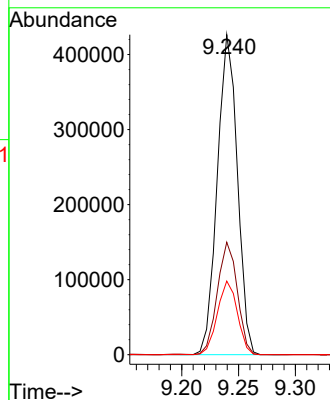
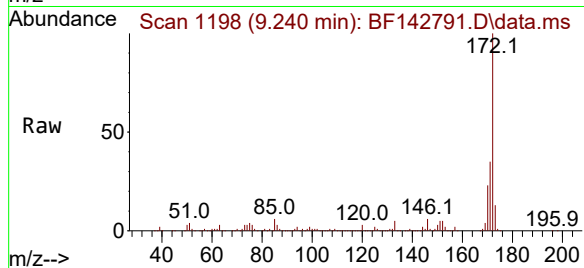
Tgt Ion:172 Resp: 524084

Ion Ratio Lower Upper

172 100

171 35.1 28.2 42.4

170 23.0 18.5 27.7



#46

1,1'-Biphenyl

Concen: 21.078 ng

RT: 9.340 min Scan# 1215

Delta R.T. -0.006 min

Lab File: BF142791.D

Acq: 19 Jun 2025 18:39

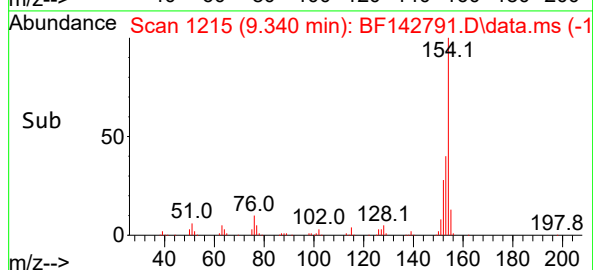
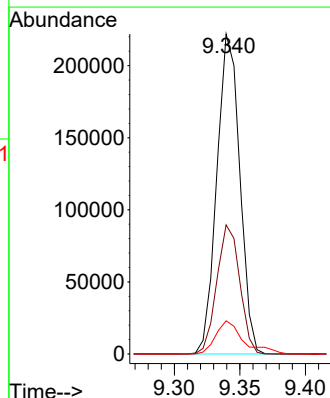
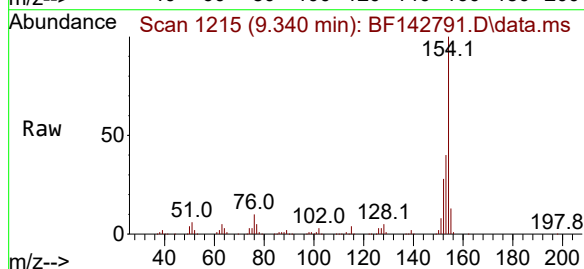
Tgt Ion:154 Resp: 269396

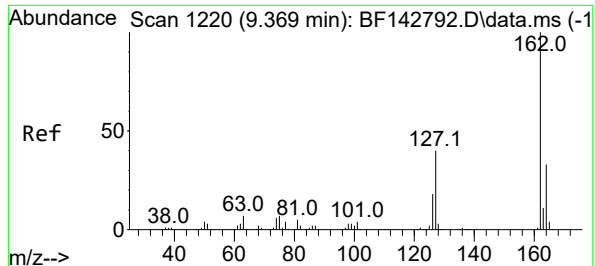
Ion Ratio Lower Upper

154 100

153 40.4 20.3 60.3

76 10.4 0.0 30.3





#47

2-Chloronaphthalene

Concen: 21.087 ng

RT: 9.369 min Scan# 1220

Delta R.T. 0.000 min

Lab File: BF142791.D

Acq: 19 Jun 2025 18:39

Instrument :

BNA_F

ClientSampleId :

SSTDICC020

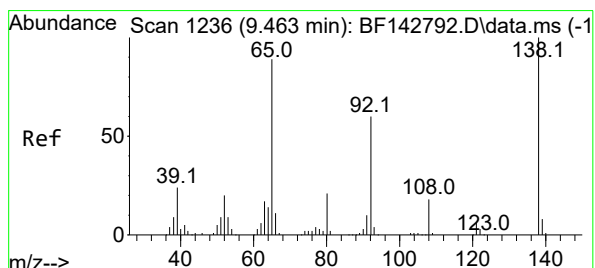
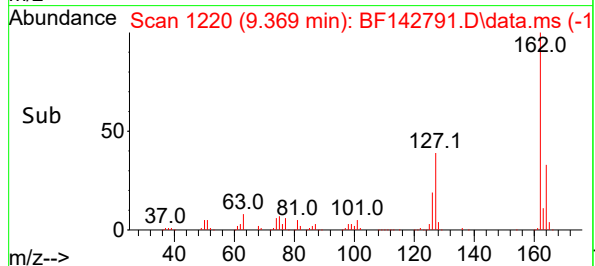
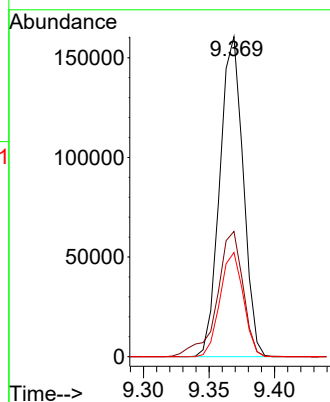
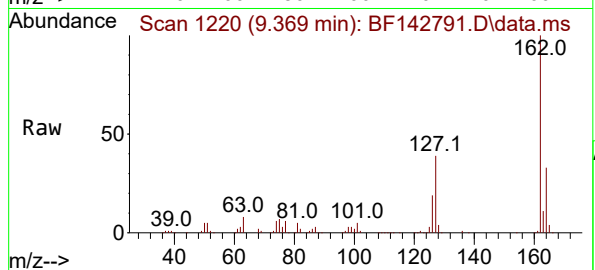
Tgt Ion:162 Resp: 198874

Ion Ratio Lower Upper

162 100

127 39.2 32.2 48.2

164 32.5 26.1 39.1



#48

2-Nitroaniline

Concen: 20.681 ng

RT: 9.463 min Scan# 1236

Delta R.T. 0.000 min

Lab File: BF142791.D

Acq: 19 Jun 2025 18:39

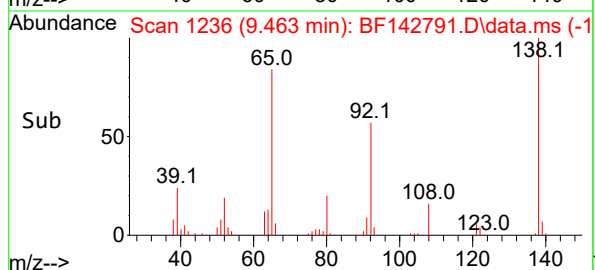
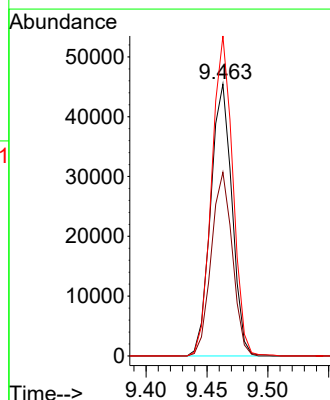
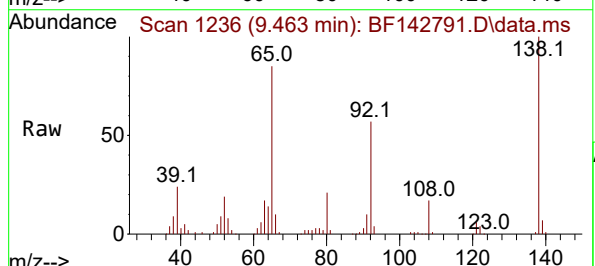
Tgt Ion: 65 Resp: 55412

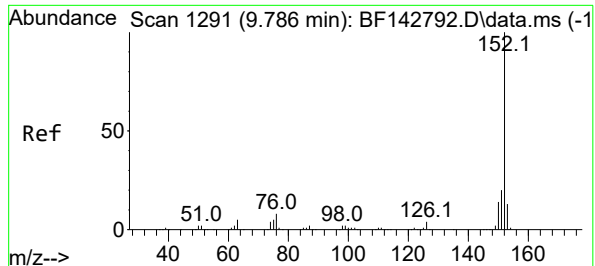
Ion Ratio Lower Upper

65 100

92 67.6 53.8 80.6

138 117.7 89.6 134.4





#49

Acenaphthylene

Concen: 20.878 ng

RT: 9.781 min Scan# 11

Delta R.T. -0.006 min

Lab File: BF142791.D

Acq: 19 Jun 2025 18:39

Instrument :

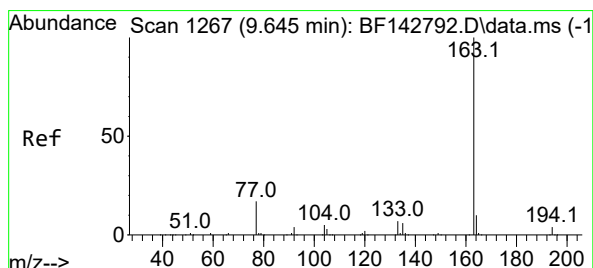
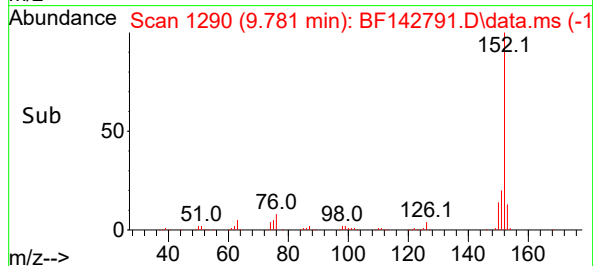
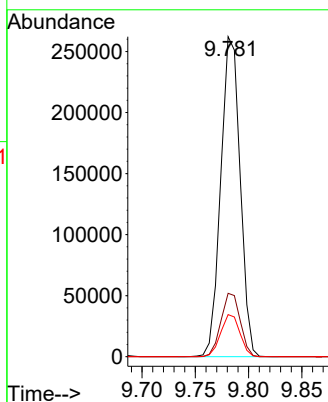
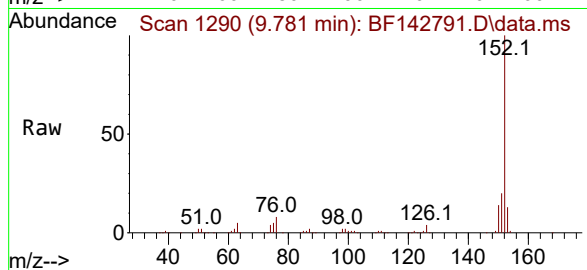
BNA_F

ClientSampleId :

SSTDICC020

Tgt Ion:152 Resp: 331018

Ion	Ratio	Lower	Upper
152	100		
151	19.8	16.1	24.1
153	13.2	10.4	15.6



#50

Dimethylphthalate

Concen: 20.049 ng

RT: 9.640 min Scan# 1266

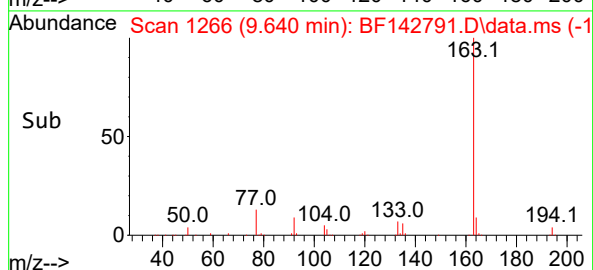
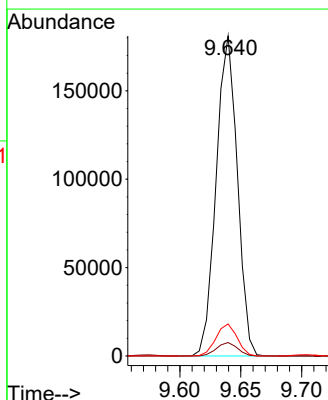
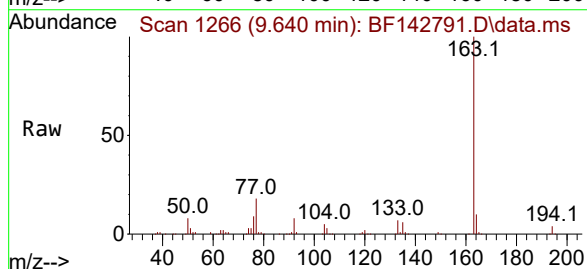
Delta R.T. -0.006 min

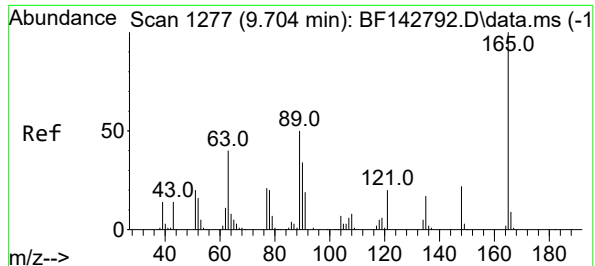
Lab File: BF142791.D

Acq: 19 Jun 2025 18:39

Tgt Ion:163 Resp: 218901

Ion	Ratio	Lower	Upper
163	100		
194	4.2	3.3	4.9
164	10.0	8.0	12.0

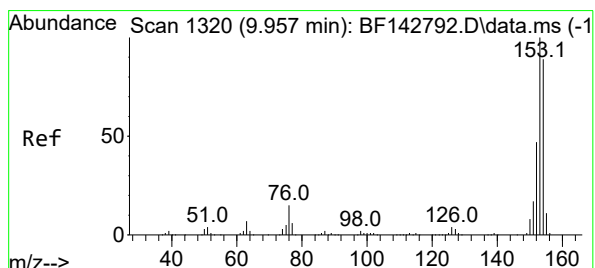
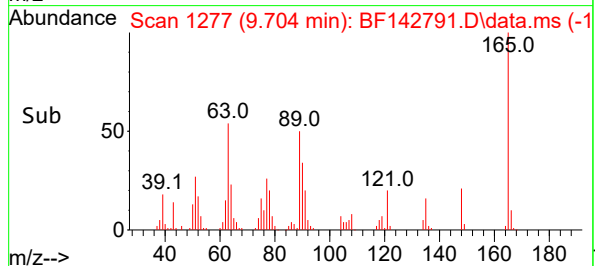
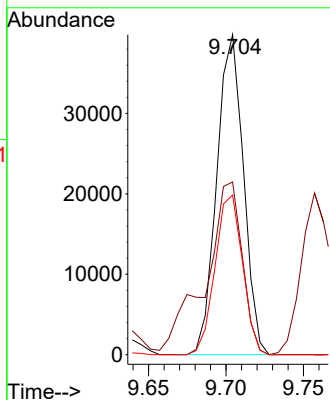
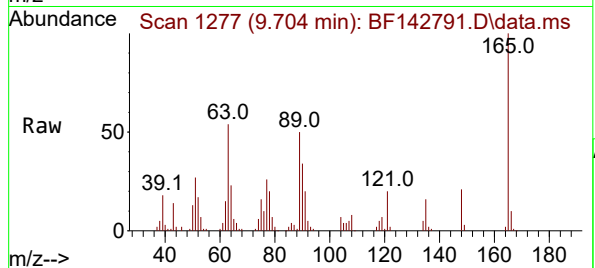




#51
2,6-Dinitrotoluene
Concen: 20.156 ng
RT: 9.704 min Scan# 11
Delta R.T. 0.000 min
Lab File: BF142791.D
Acq: 19 Jun 2025 18:39

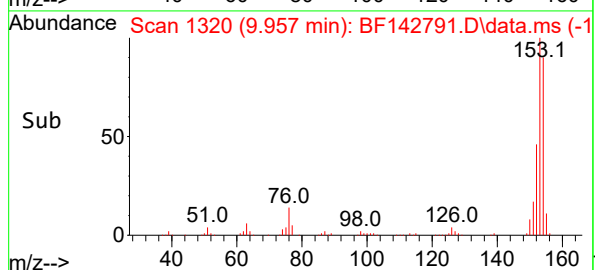
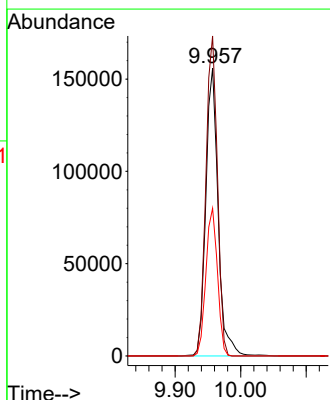
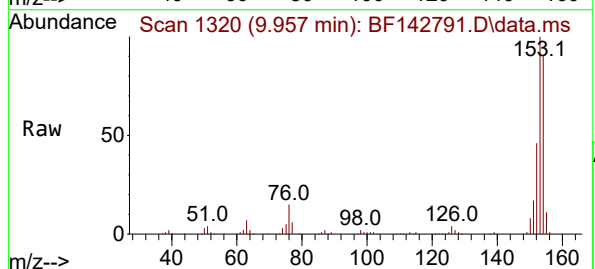
Instrument :
BNA_F
ClientSampleId :
SSTDICC020

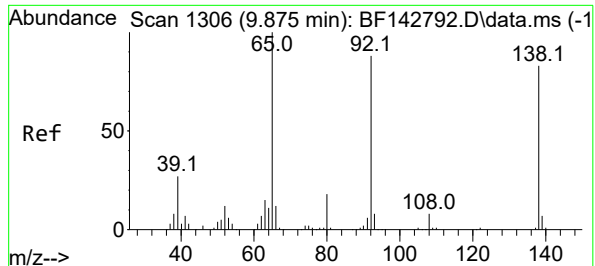
Tgt Ion:165 Resp: 47707
Ion Ratio Lower Upper
165 100
63 54.0 44.2 66.4
89 49.9 39.8 59.8



#52
Acenaphthene
Concen: 20.813 ng
RT: 9.957 min Scan# 1320
Delta R.T. 0.000 min
Lab File: BF142791.D
Acq: 19 Jun 2025 18:39

Tgt Ion:154 Resp: 204192
Ion Ratio Lower Upper
154 100
153 111.2 90.0 135.0
152 51.3 41.9 62.9





#53

3-Nitroaniline

Concen: 20.261 ng

RT: 9.875 min Scan# 1306

Delta R.T. 0.000 min

Lab File: BF142791.D

Acq: 19 Jun 2025 18:39

Instrument :

BNA_F

ClientSampleId :

SSTDICC020

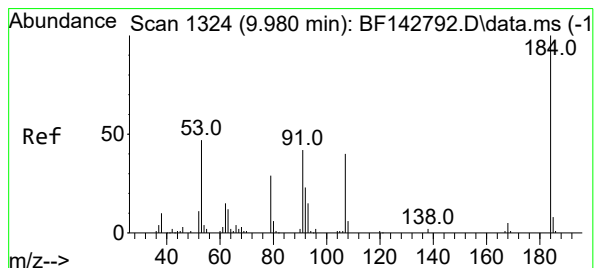
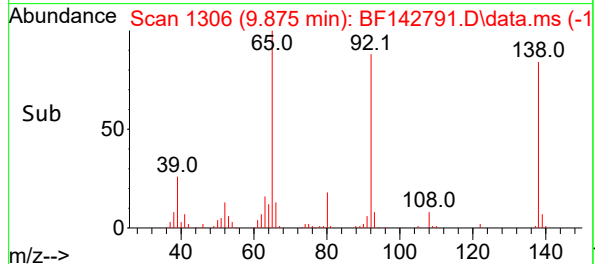
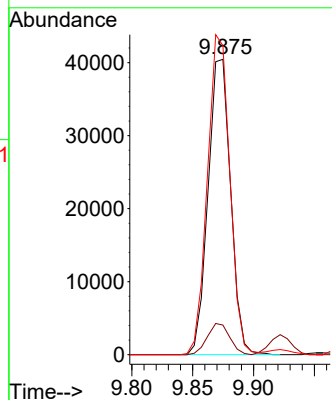
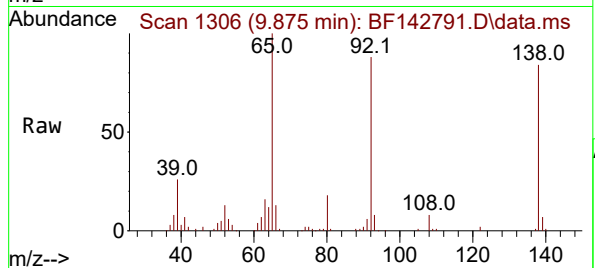
Tgt Ion:138 Resp: 52088

Ion Ratio Lower Upper

138 100

108 10.0 8.1 12.1

92 104.7 85.1 127.7



#54

2,4-Dinitrophenol

Concen: 16.576 ng

RT: 9.981 min Scan# 1324

Delta R.T. 0.000 min

Lab File: BF142791.D

Acq: 19 Jun 2025 18:39

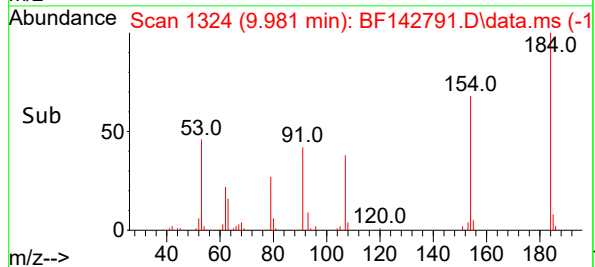
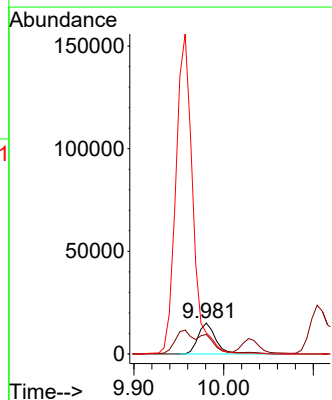
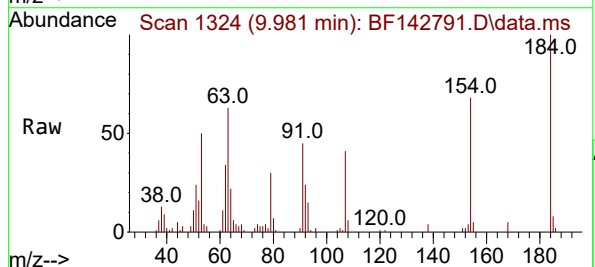
Tgt Ion:184 Resp: 21231

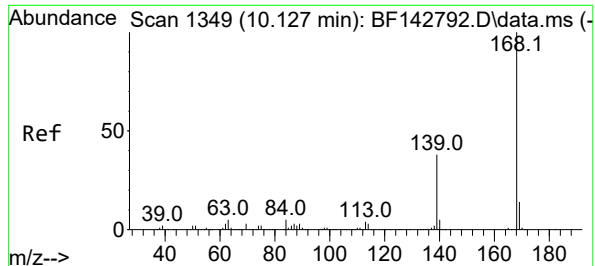
Ion Ratio Lower Upper

184 100

63 62.9 50.6 75.8

154 68.5 51.8 77.8





#55

Dibenzofuran

Concen: 20.736 ng

RT: 10.128 min Scan# 11

Delta R.T. 0.000 min

Lab File: BF142791.D

Acq: 19 Jun 2025 18:39

Instrument :

BNA_F

ClientSampleId :

SSTDICC020

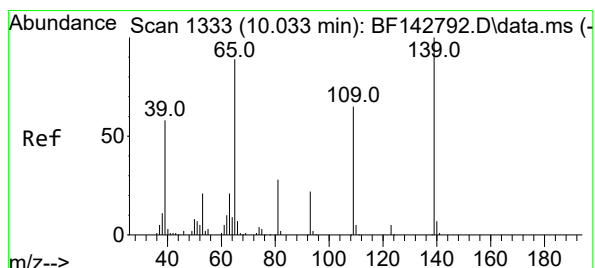
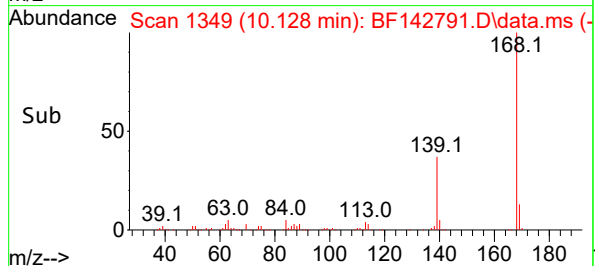
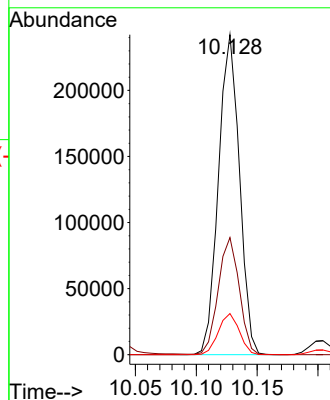
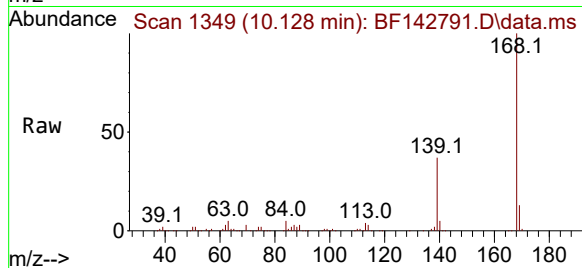
Tgt Ion:168 Resp: 290254

Ion Ratio Lower Upper

168 100

139 36.6 30.2 45.4

169 12.8 10.8 16.2



#56

4-Nitrophenol

Concen: 20.593 ng

RT: 10.028 min Scan# 1332

Delta R.T. -0.006 min

Lab File: BF142791.D

Acq: 19 Jun 2025 18:39

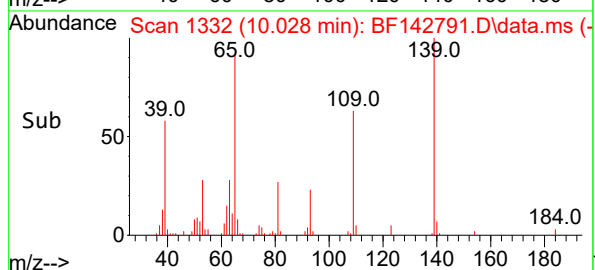
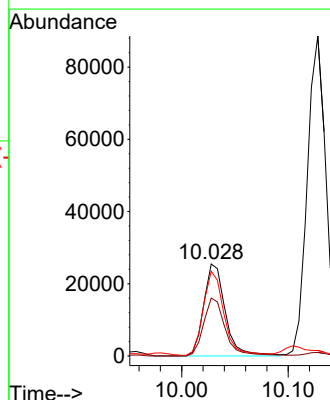
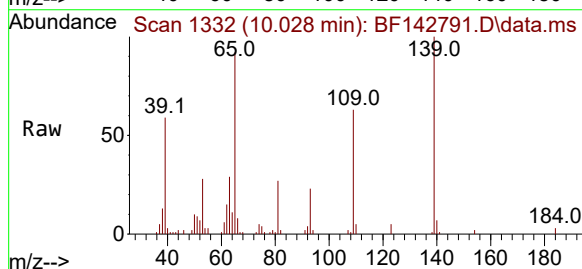
Tgt Ion:139 Resp: 35937

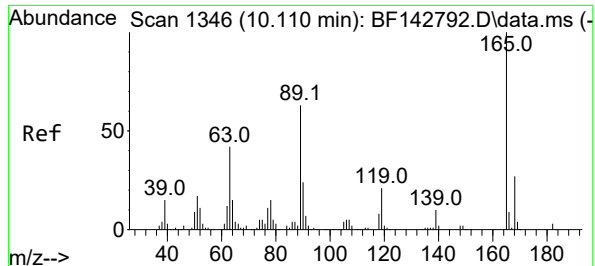
Ion Ratio Lower Upper

139 100

109 62.9 44.7 84.7

65 92.2 69.8 109.8

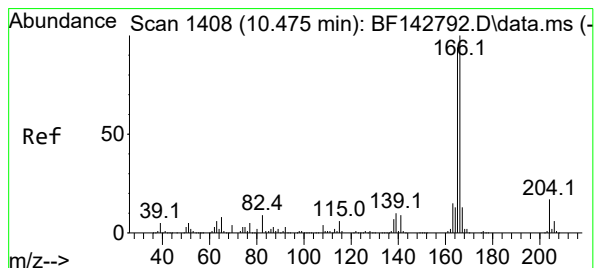
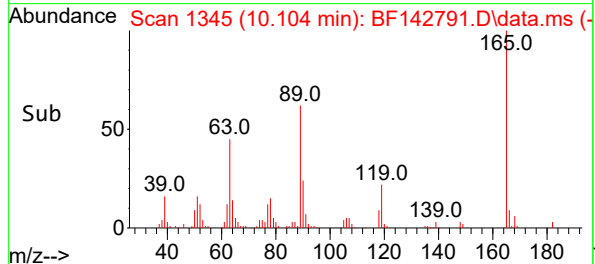
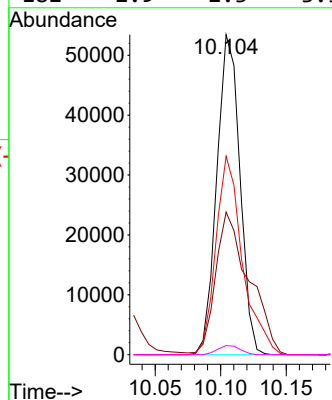
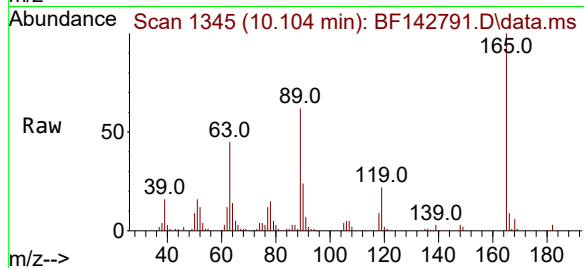




#57
2,4-Dinitrotoluene
Concen: 20.887 ng
RT: 10.104 min Scan# 11
Delta R.T. -0.006 min
Lab File: BF142791.D
Acq: 19 Jun 2025 18:39

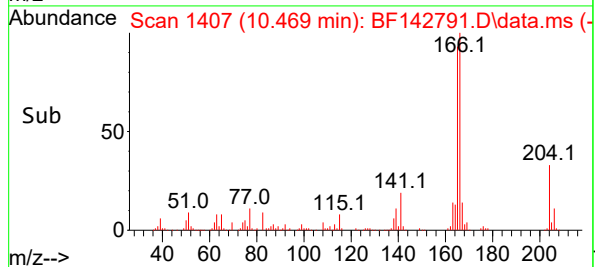
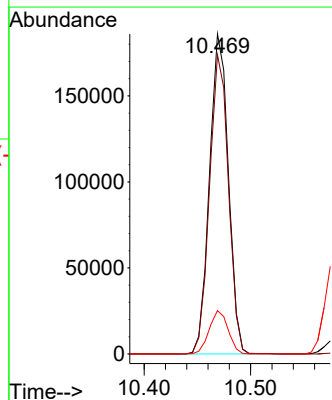
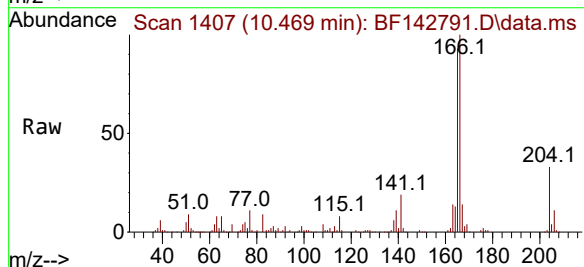
Instrument :
BNA_F
ClientSampleId :
SSTDICC020

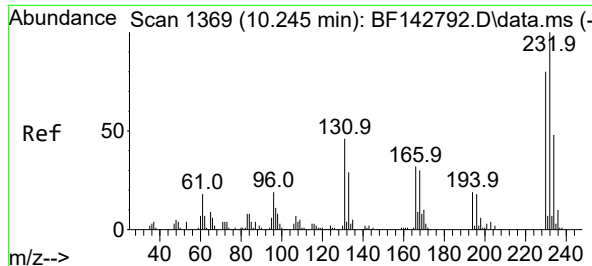
Tgt Ion:165 Resp: 65367
Ion Ratio Lower Upper
165 100
63 44.5 33.9 50.9
89 62.0 50.6 75.8
182 2.9 2.3 3.5



#58
Fluorene
Concen: 20.780 ng
RT: 10.469 min Scan# 1407
Delta R.T. -0.006 min
Lab File: BF142791.D
Acq: 19 Jun 2025 18:39

Tgt Ion:166 Resp: 229569
Ion Ratio Lower Upper
166 100
165 93.5 75.2 112.8
167 13.5 10.6 15.8

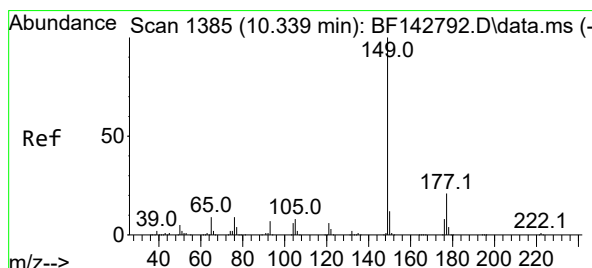
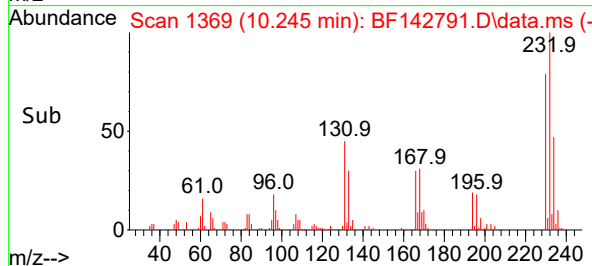
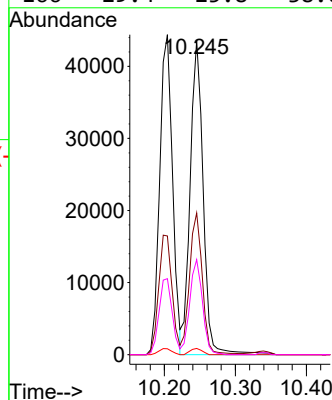
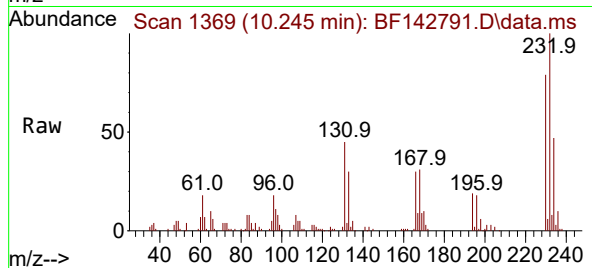




#59
2,3,4,6-Tetrachlorophenol
Concen: 20.042 ng
RT: 10.245 min Scan# 1369
Delta R.T. 0.000 min
Lab File: BF142791.D
Acq: 19 Jun 2025 18:39

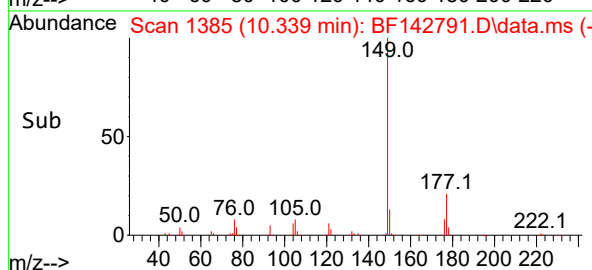
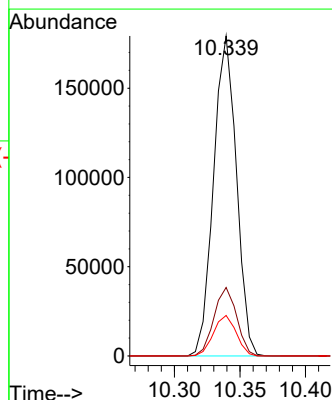
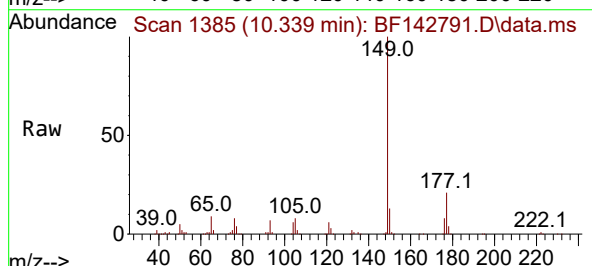
Instrument :
BNA_F
ClientSampleId :
SSTDICC020

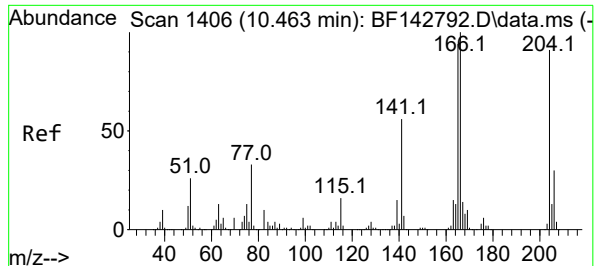
Tgt Ion:232 Resp: 55799
Ion Ratio Lower Upper
232 100
131 44.3 37.6 56.4
130 1.8 1.7 2.5
166 29.4 25.8 38.6



#60
Diethylphthalate
Concen: 20.020 ng
RT: 10.339 min Scan# 1385
Delta R.T. 0.000 min
Lab File: BF142791.D
Acq: 19 Jun 2025 18:39

Tgt Ion:149 Resp: 217133
Ion Ratio Lower Upper
149 100
177 21.4 17.0 25.6
150 12.6 9.8 14.6

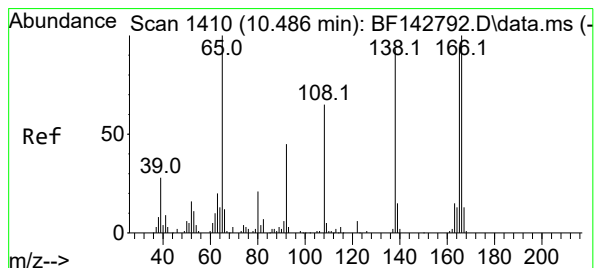
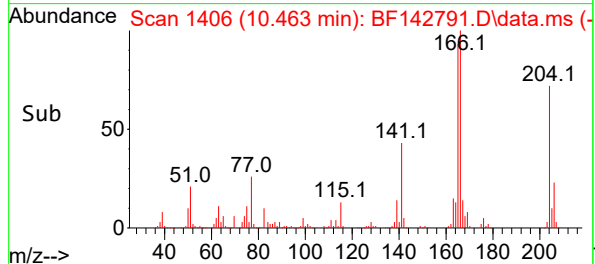
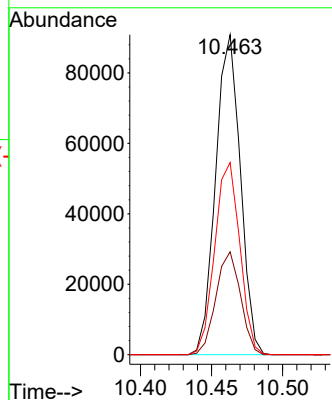
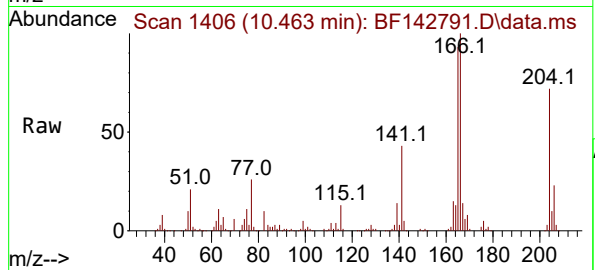




#61
4-Chlorophenyl-phenylether
Concen: 20.526 ng
RT: 10.463 min Scan# 1406
Delta R.T. 0.000 min
Lab File: BF142791.D
Acq: 19 Jun 2025 18:39

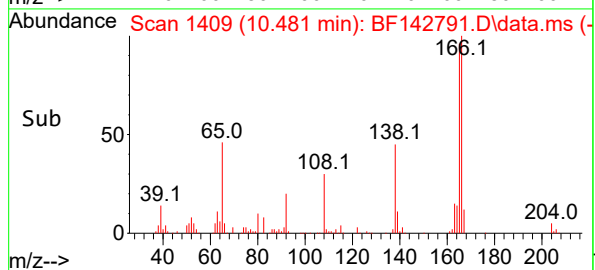
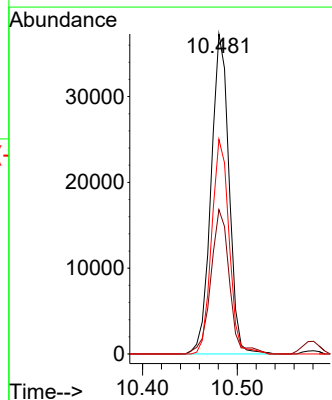
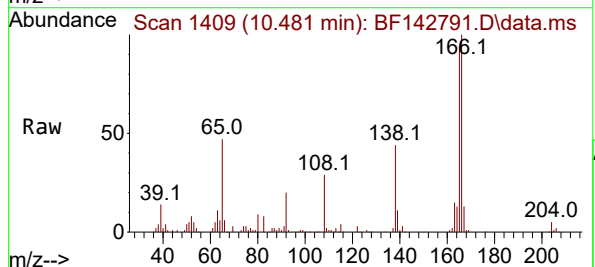
Instrument :
BNA_F
ClientSampleId :
SSTDICC020

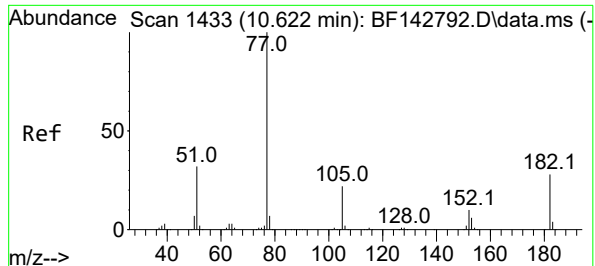
Tgt Ion:204 Resp: 110133
Ion Ratio Lower Upper
204 100
206 32.1 26.3 39.5
141 60.1 49.1 73.7



#62
4-Nitroaniline
Concen: 21.208 ng
RT: 10.481 min Scan# 1409
Delta R.T. -0.006 min
Lab File: BF142791.D
Acq: 19 Jun 2025 18:39

Tgt Ion:138 Resp: 48947
Ion Ratio Lower Upper
138 100
92 45.1 28.4 68.4
108 67.1 50.2 90.2

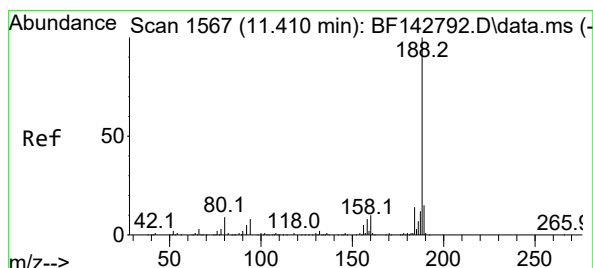
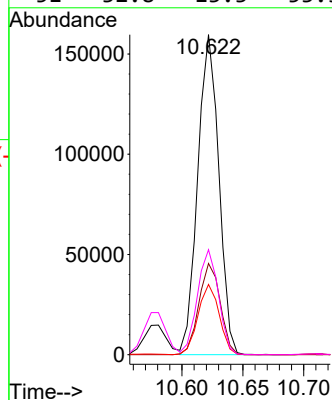
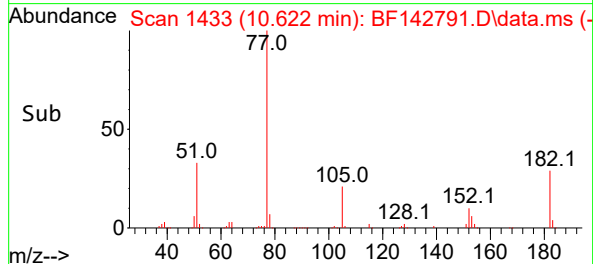
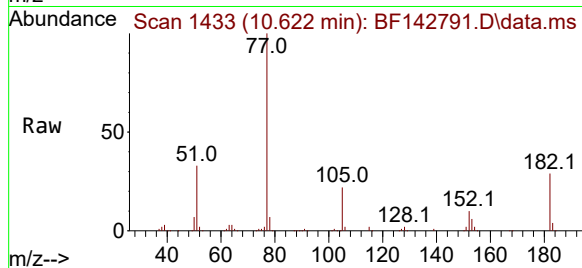




#63
Azobenzene
Concen: 20.263 ng
RT: 10.622 min Scan# 1433
Delta R.T. 0.000 min
Lab File: BF142791.D
Acq: 19 Jun 2025 18:39

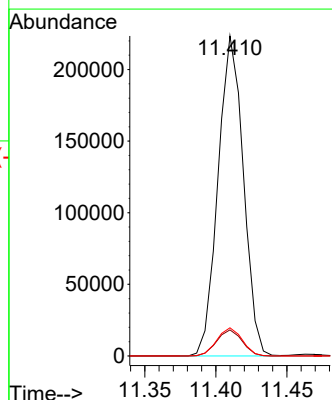
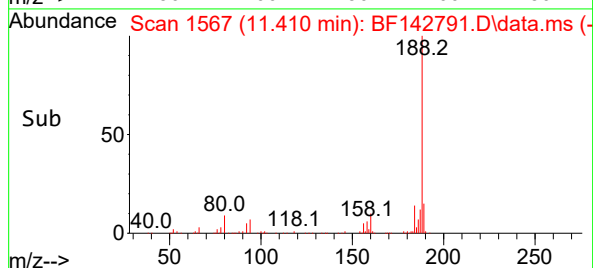
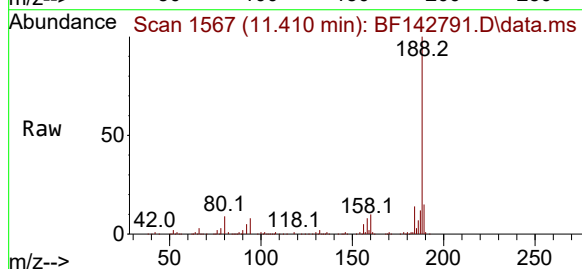
Instrument :
BNA_F
ClientSampleId :
SSTDICC020

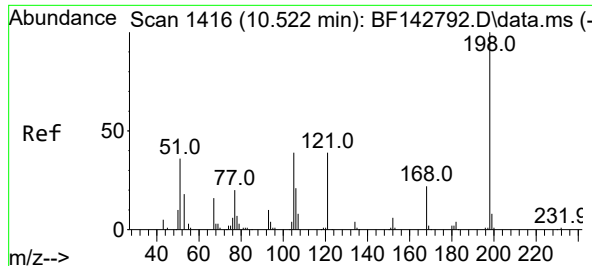
Tgt Ion	Ratio	Lower	Upper
77	100		
182	28.5	7.7	47.7
105	22.0	1.9	41.9
51	32.8	13.3	53.3



#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.410 min Scan# 1567
Delta R.T. 0.000 min
Lab File: BF142791.D
Acq: 19 Jun 2025 18:39

Tgt Ion	Ratio	Lower	Upper
188	100		
94	8.2	6.7	10.1
80	8.8	6.9	10.3





#65

4,6-Dinitro-2-methylphenol

Concen: 19.130 ng

RT: 10.516 min Scan# 1416

Delta R.T. -0.006 min

Lab File: BF142791.D

Acq: 19 Jun 2025 18:39

Instrument :

BNA_F

ClientSampleId :

SSTDICC020

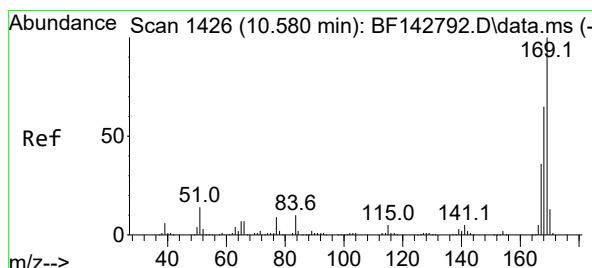
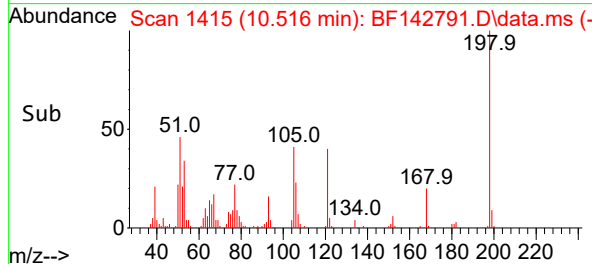
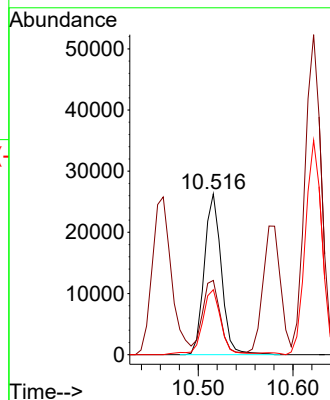
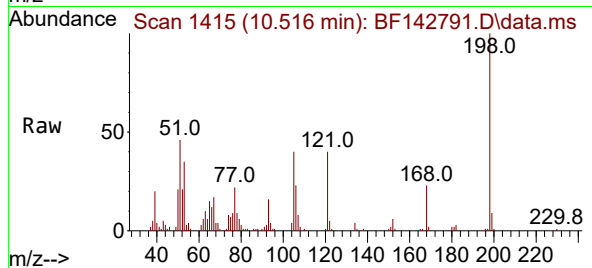
Tgt Ion:198 Resp: 32946

Ion Ratio Lower Upper

198 100

51 46.2 25.4 65.4

105 40.4 20.4 60.4



#66

n-Nitrosodiphenylamine

Concen: 20.670 ng

RT: 10.581 min Scan# 1426

Delta R.T. 0.000 min

Lab File: BF142791.D

Acq: 19 Jun 2025 18:39

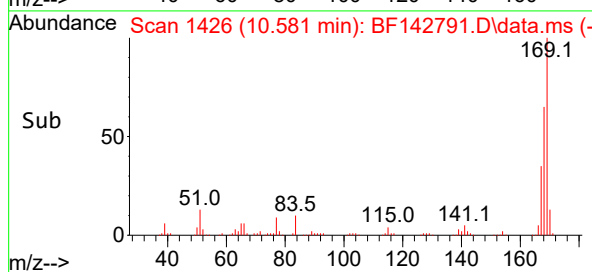
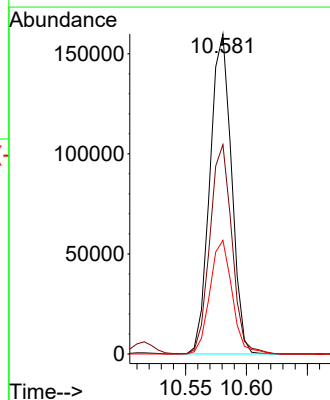
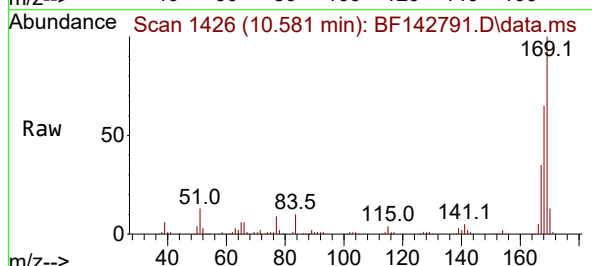
Tgt Ion:169 Resp: 196840

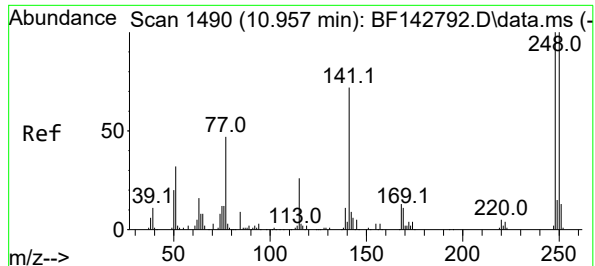
Ion Ratio Lower Upper

169 100

168 65.4 51.9 77.9

167 35.5 28.5 42.7





#67

4-Bromophenyl-phenylether

Concen: 20.068 ng

RT: 10.951 min Scan# 1490

Delta R.T. -0.006 min

Lab File: BF142791.D

Acq: 19 Jun 2025 18:39

Instrument :

BNA_F

ClientSampleId :

SSTDICC020

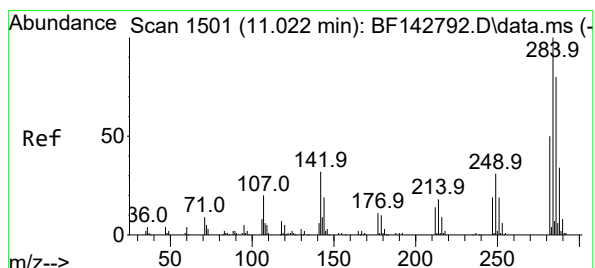
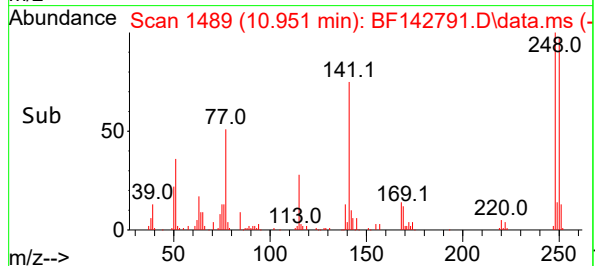
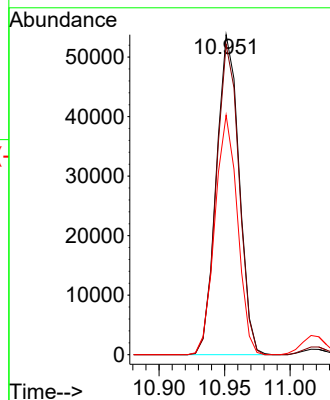
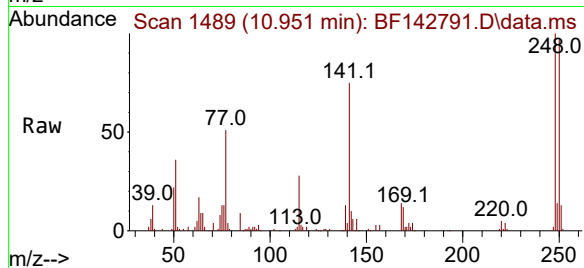
Tgt Ion:248 Resp: 65137

Ion Ratio Lower Upper

248 100

250 97.0 79.8 119.8

141 74.9 57.8 86.6



#68

Hexachlorobenzene

Concen: 19.802 ng

RT: 11.022 min Scan# 1501

Delta R.T. 0.000 min

Lab File: BF142791.D

Acq: 19 Jun 2025 18:39

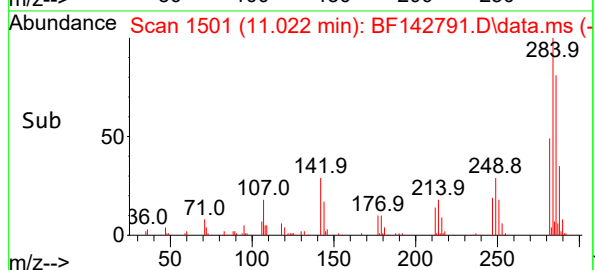
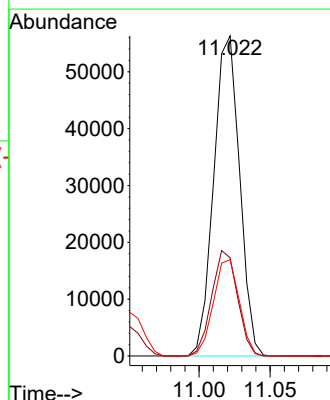
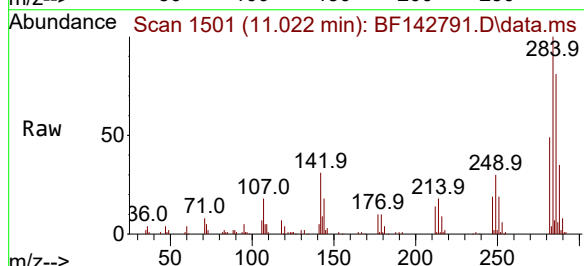
Tgt Ion:284 Resp: 71354

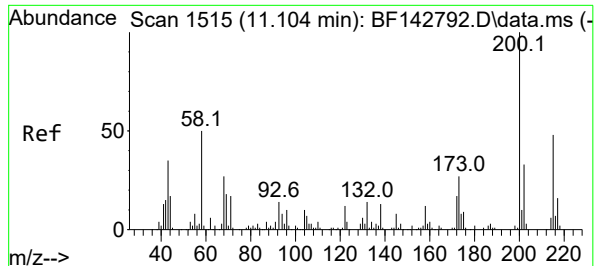
Ion Ratio Lower Upper

284 100

142 30.7 25.5 38.3

249 30.1 24.9 37.3





#69

Atrazine

Concen: 19.760 ng

RT: 11.104 min Scan# 1515

Delta R.T. 0.000 min

Lab File: BF142791.D

Acq: 19 Jun 2025 18:39

Instrument :

BNA_F

ClientSampleId :

SSTDICC020

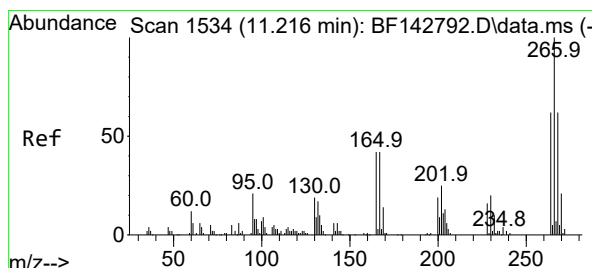
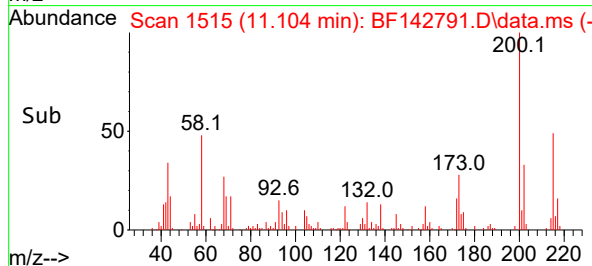
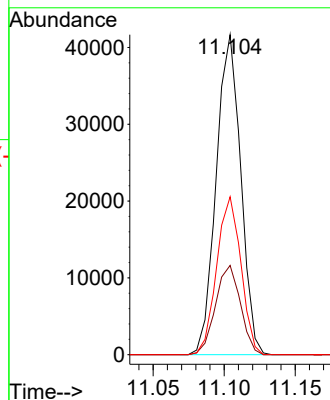
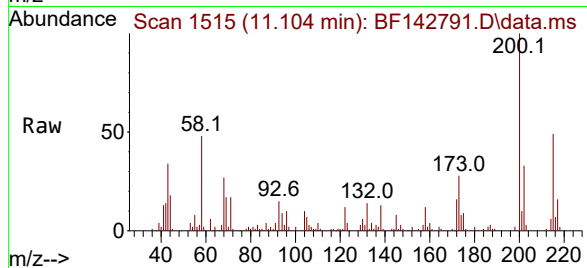
Tgt Ion:200 Resp: 49963

Ion Ratio Lower Upper

200 100

173 27.9 7.4 47.4

215 49.3 28.4 68.4



#70

Pentachlorophenol

Concen: 17.680 ng

RT: 11.216 min Scan# 1534

Delta R.T. 0.000 min

Lab File: BF142791.D

Acq: 19 Jun 2025 18:39

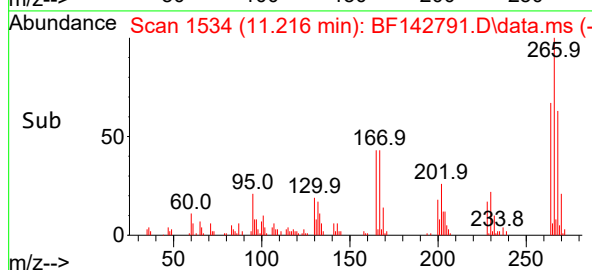
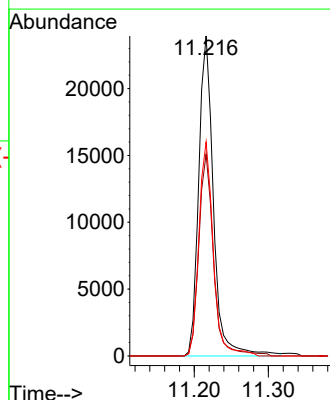
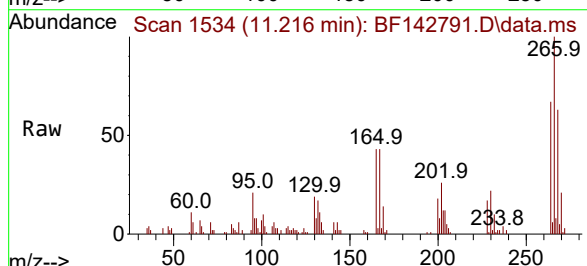
Tgt Ion:266 Resp: 33089

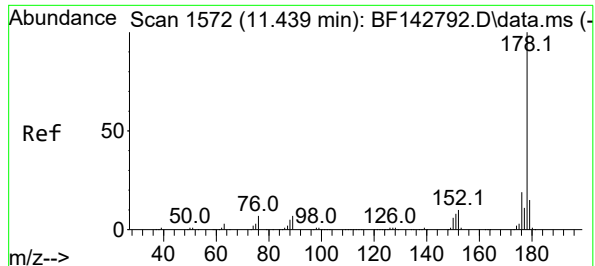
Ion Ratio Lower Upper

266 100

268 63.1 49.8 74.8

264 66.8 49.9 74.9

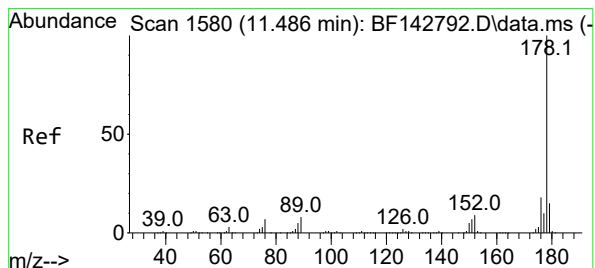
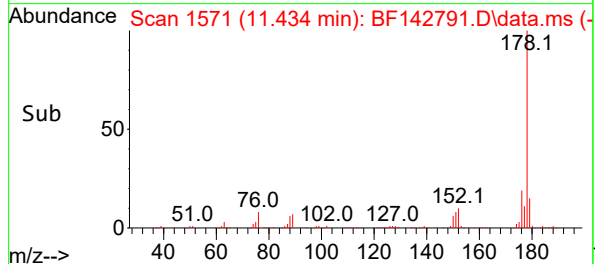
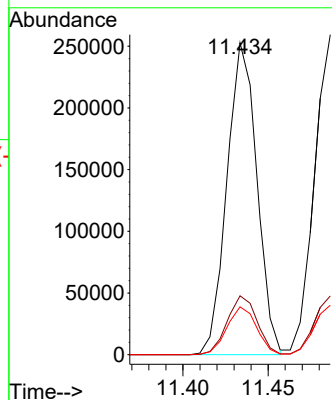
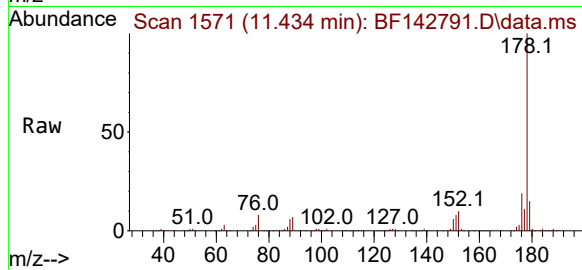




#71
Phenanthrene
Concen: 20.826 ng
RT: 11.434 min Scan# 1572
Delta R.T. -0.006 min
Lab File: BF142791.D
Acq: 19 Jun 2025 18:39

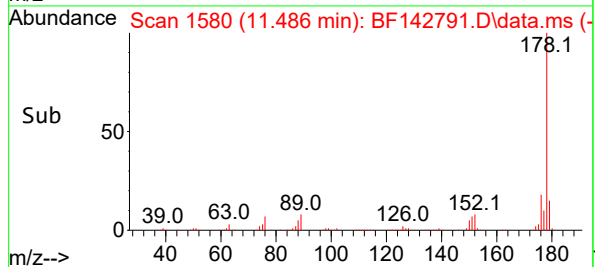
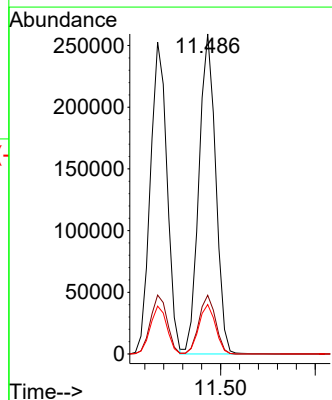
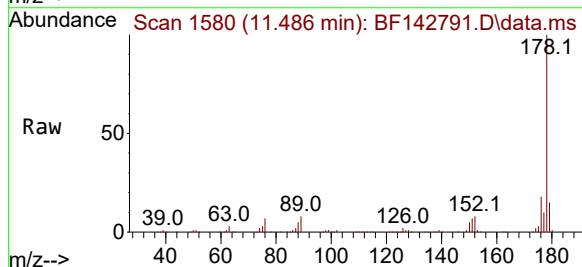
Instrument :
BNA_F
ClientSampleId :
SSTDICC020

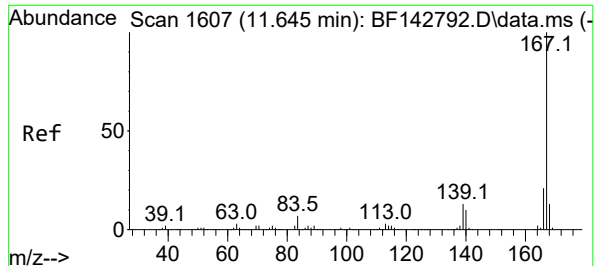
Tgt Ion:178 Resp: 309015
Ion Ratio Lower Upper
178 100
176 18.9 15.1 22.7
179 15.3 12.0 18.0



#72
Anthracene
Concen: 20.730 ng
RT: 11.486 min Scan# 1580
Delta R.T. 0.000 min
Lab File: BF142791.D
Acq: 19 Jun 2025 18:39

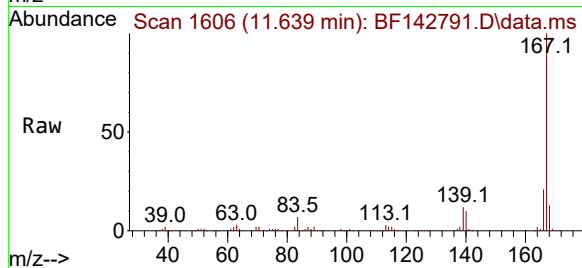
Tgt Ion:178 Resp: 318388
Ion Ratio Lower Upper
178 100
176 18.3 14.6 21.8
179 15.4 12.4 18.6



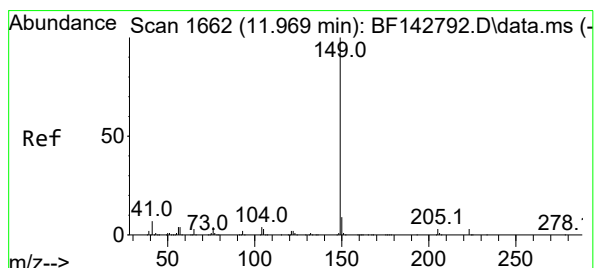
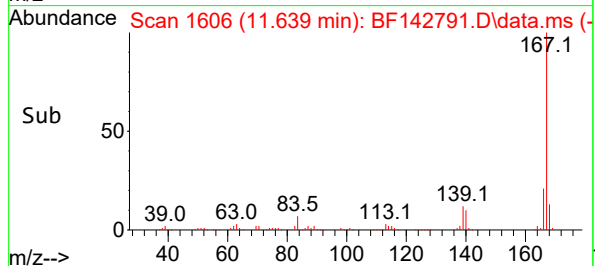
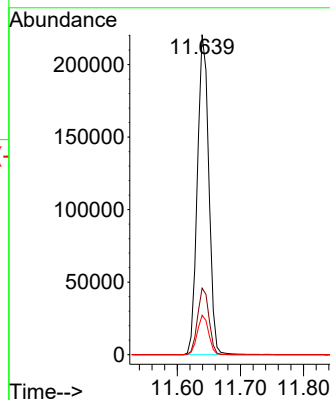


#73
Carbazole
Concen: 21.523 ng
RT: 11.639 min Scan# 1606
Delta R.T. -0.006 min
Lab File: BF142791.D
Acq: 19 Jun 2025 18:39

Instrument :
BNA_F
ClientSampleId :
SSTDICC020

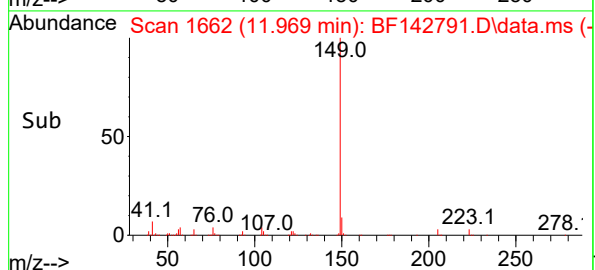
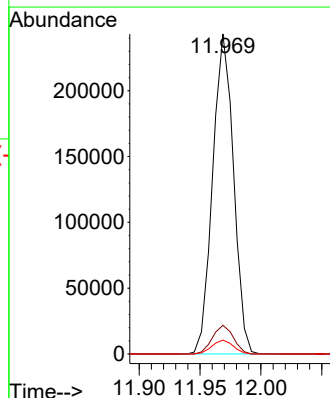
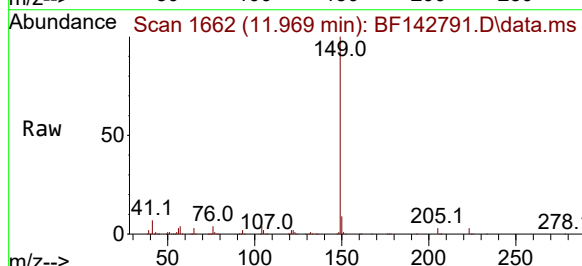


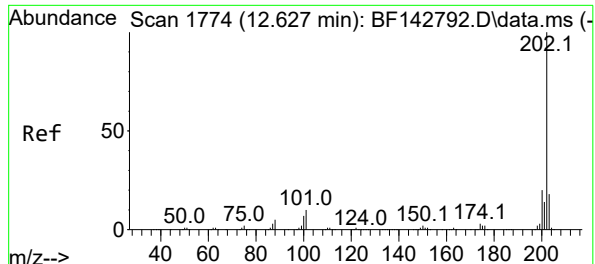
Tgt Ion:167 Resp: 276824
Ion Ratio Lower Upper
167 100
166 20.8 17.0 25.4
139 12.3 10.2 15.2



#74
Di-n-butylphthalate
Concen: 20.342 ng
RT: 11.969 min Scan# 1662
Delta R.T. 0.000 min
Lab File: BF142791.D
Acq: 19 Jun 2025 18:39

Tgt Ion:149 Resp: 289686
Ion Ratio Lower Upper
149 100
150 9.0 7.4 11.0
104 4.4 3.5 5.3

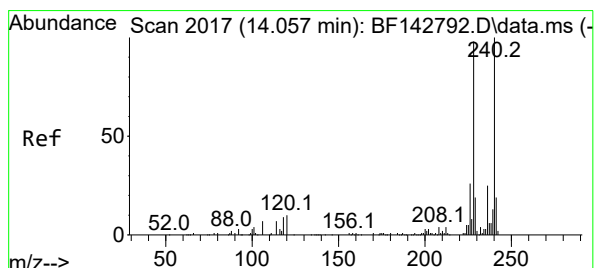
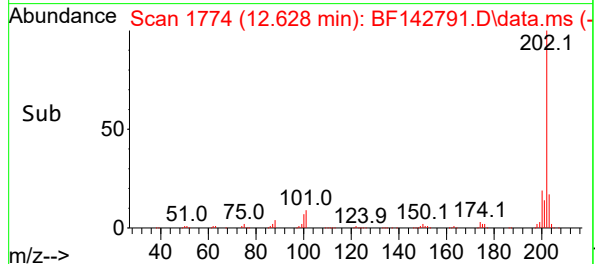
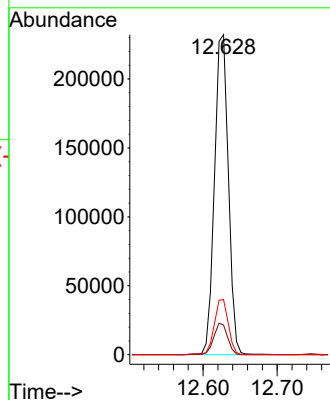
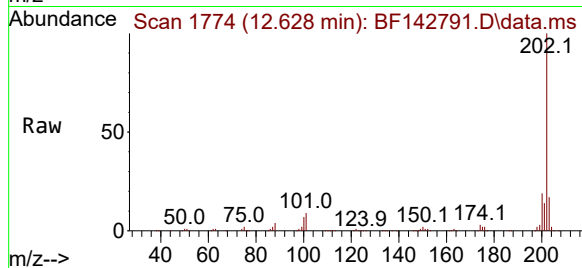




#75
Fluoranthene
Concen: 21.424 ng
RT: 12.628 min Scan# 1774
Delta R.T. 0.000 min
Lab File: BF142791.D
Acq: 19 Jun 2025 18:39

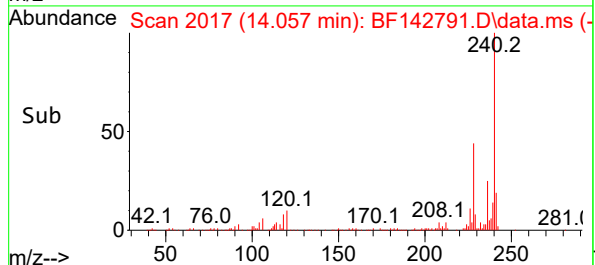
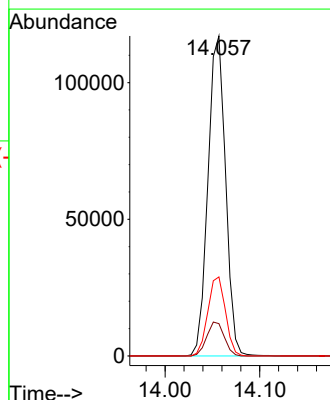
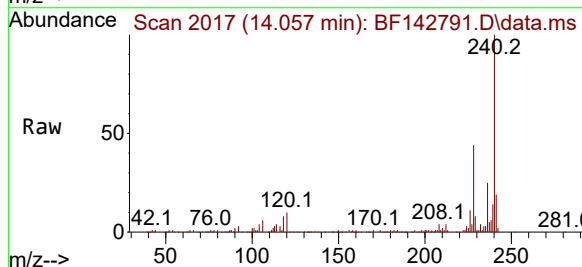
Instrument :
BNA_F
ClientSampleId :
SSTDICC020

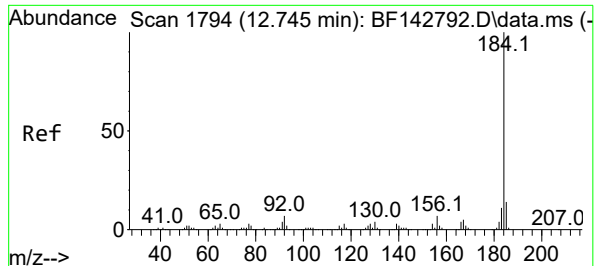
Tgt Ion	Ratio	Lower	Upper
202	100		
101	9.2	0.0	29.7
203	17.2	0.0	37.5



#76
Chrysene-d12
Concen: 20.000 ng
RT: 14.057 min Scan# 2017
Delta R.T. 0.000 min
Lab File: BF142791.D
Acq: 19 Jun 2025 18:39

Tgt Ion	Ratio	Lower	Upper
240	100		
120	10.1	8.2	12.2
236	24.7	19.8	29.8

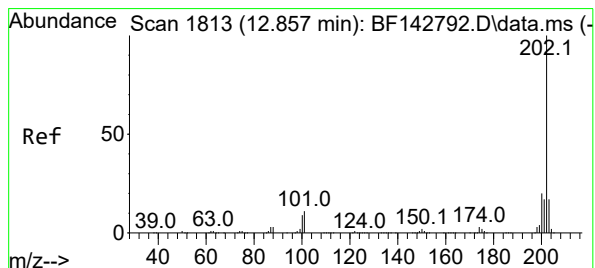
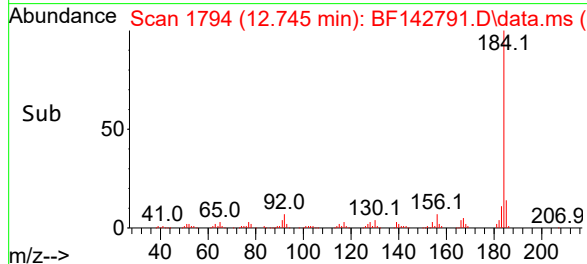
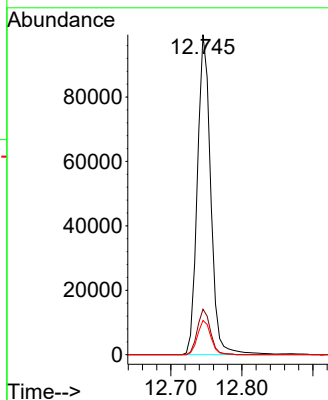
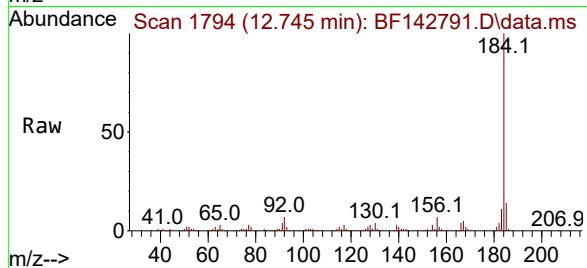




#77
Benzidine
Concen: 24.285 ng
RT: 12.745 min Scan# 1794
Delta R.T. 0.000 min
Lab File: BF142791.D
Acq: 19 Jun 2025 18:39

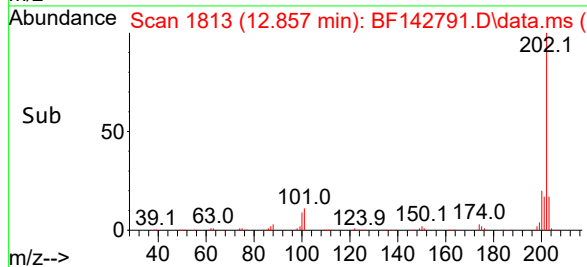
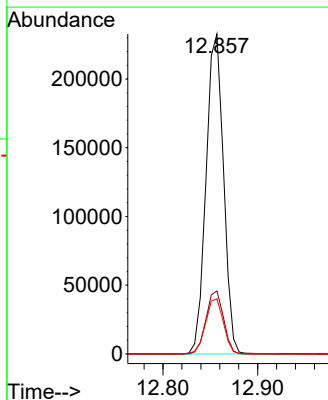
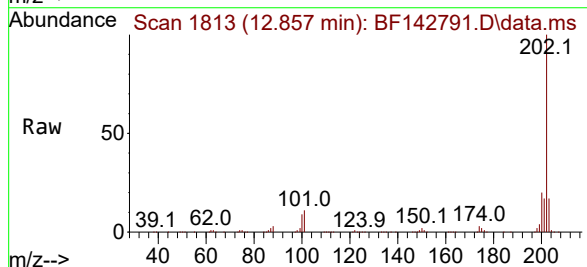
Instrument :
BNA_F
ClientSampleId :
SSTDICC020

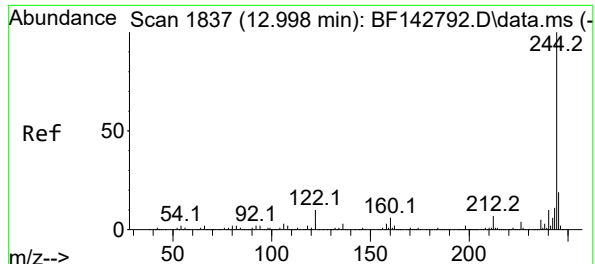
Tgt Ion:184 Resp: 130162
Ion Ratio Lower Upper
184 100
185 14.2 11.5 17.3
183 10.7 9.0 13.4



#78
Pyrene
Concen: 21.413 ng
RT: 12.857 min Scan# 1813
Delta R.T. 0.000 min
Lab File: BF142791.D
Acq: 19 Jun 2025 18:39

Tgt Ion:202 Resp: 297999
Ion Ratio Lower Upper
202 100
200 19.7 15.7 23.5
203 17.3 13.8 20.6





#79

Terphenyl-d14

Concen: 42.675 ng

RT: 12.998 min Scan# 1837

Delta R.T. 0.000 min

Lab File: BF142791.D

Acq: 19 Jun 2025 18:39

Instrument :

BNA_F

ClientSampleId :

SSTDICC020

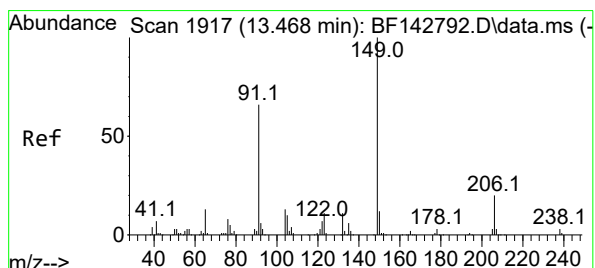
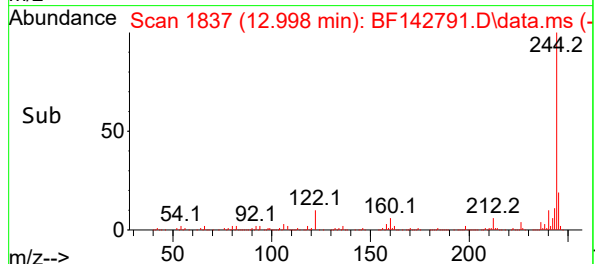
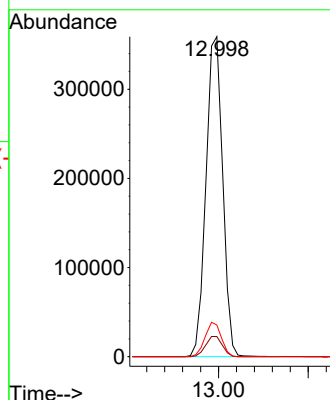
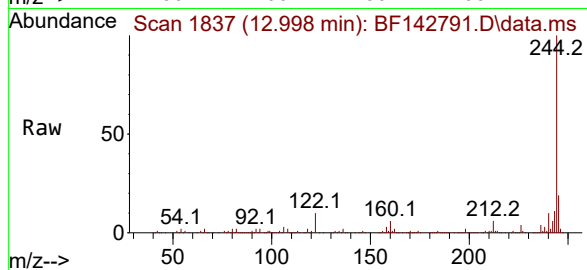
Tgt Ion:244 Resp: 464214

Ion Ratio Lower Upper

244 100

212 6.3 5.4 8.0

122 9.9 8.2 12.2



#80

Butylbenzylphthalate

Concen: 19.761 ng

RT: 13.469 min Scan# 1917

Delta R.T. 0.000 min

Lab File: BF142791.D

Acq: 19 Jun 2025 18:39

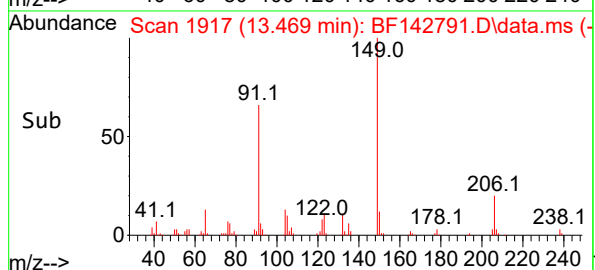
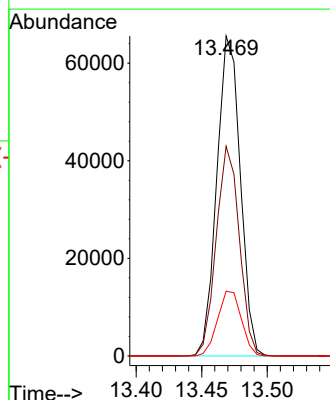
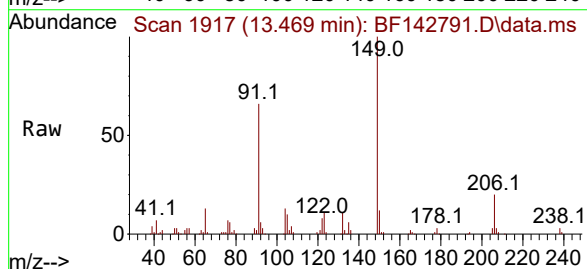
Tgt Ion:149 Resp: 81500

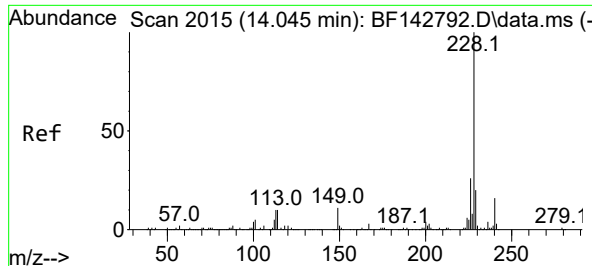
Ion Ratio Lower Upper

149 100

91 65.5 52.9 79.3

206 20.3 16.3 24.5

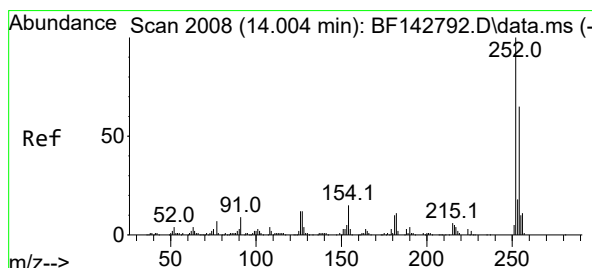
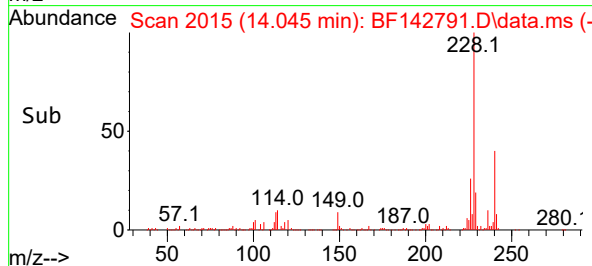
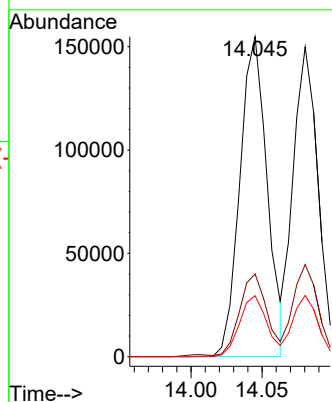
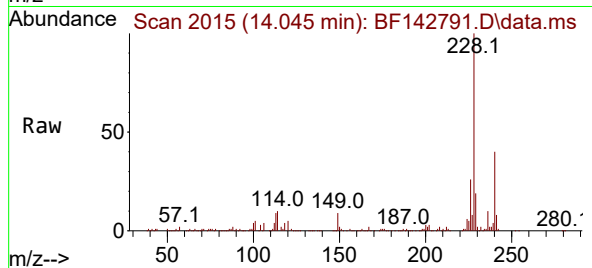




#81
Benzo(a)anthracene
Concen: 20.807 ng
RT: 14.045 min Scan# 2015
Delta R.T. 0.000 min
Lab File: BF142791.D
Acq: 19 Jun 2025 18:39

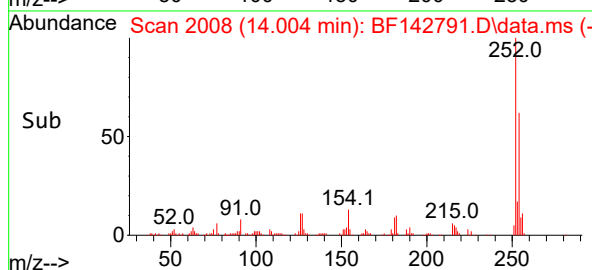
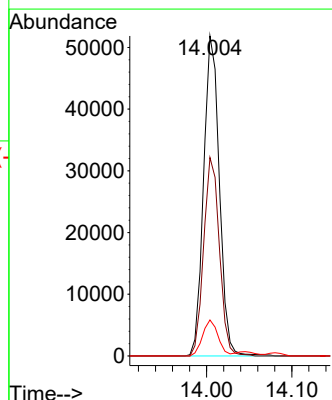
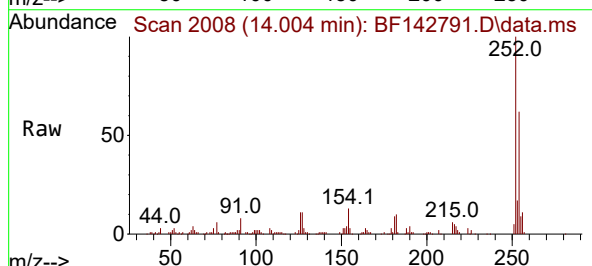
Instrument :
BNA_F
ClientSampleId :
SSTDICC020

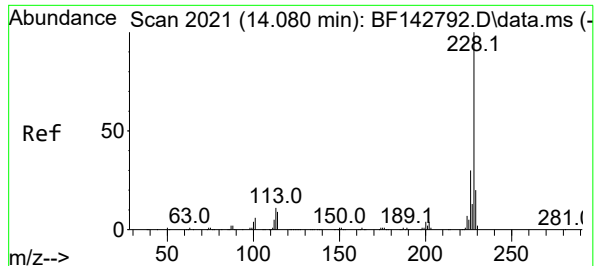
Tgt Ion:228 Resp: 206831
Ion Ratio Lower Upper
228 100
226 25.8 21.2 31.8
229 19.0 15.6 23.4



#82
3,3'-Dichlorobenzidine
Concen: 20.714 ng
RT: 14.004 min Scan# 2008
Delta R.T. 0.000 min
Lab File: BF142791.D
Acq: 19 Jun 2025 18:39

Tgt Ion:252 Resp: 66675
Ion Ratio Lower Upper
252 100
254 62.0 51.7 77.5
126 11.3 9.4 14.2

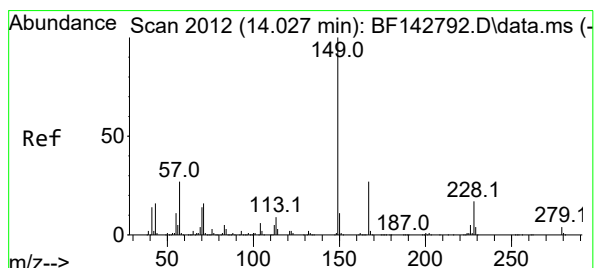
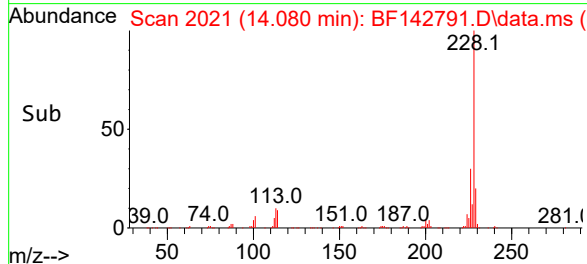
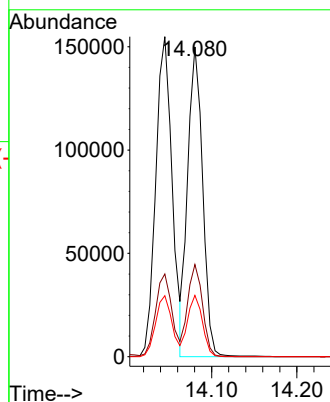
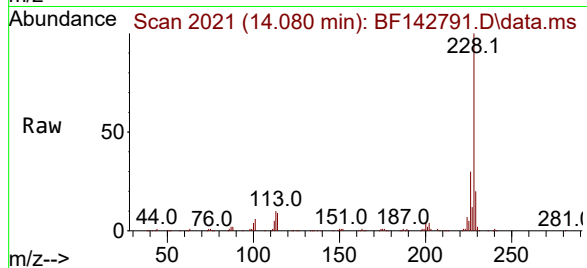




#83
Chrysene
Concen: 19.756 ng
RT: 14.080 min Scan# 2021
Delta R.T. 0.000 min
Lab File: BF142791.D
Acq: 19 Jun 2025 18:39

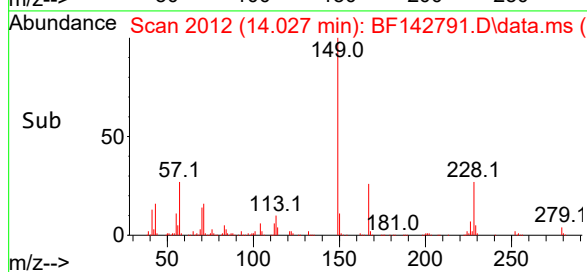
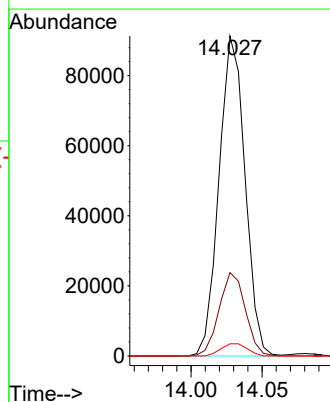
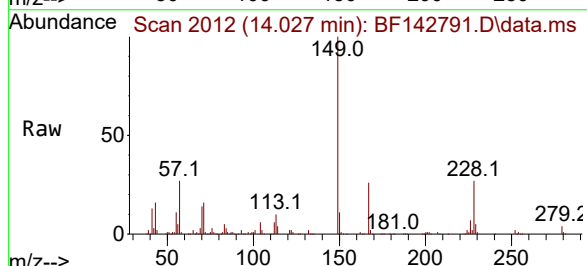
Instrument :
BNA_F
ClientSampleId :
SSTDICC020

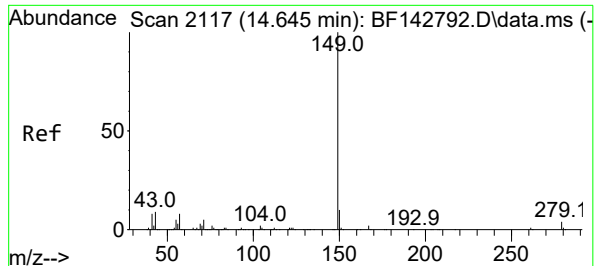
Tgt Ion:228 Resp: 182829
Ion Ratio Lower Upper
228 100
226 29.8 23.7 35.5
229 19.8 15.7 23.5



#84
Bis(2-ethylhexyl)phthalate
Concen: 18.892 ng
RT: 14.027 min Scan# 2012
Delta R.T. 0.000 min
Lab File: BF142791.D
Acq: 19 Jun 2025 18:39

Tgt Ion:149 Resp: 116092
Ion Ratio Lower Upper
149 100
167 26.0 21.4 32.0
279 3.8 3.0 4.6

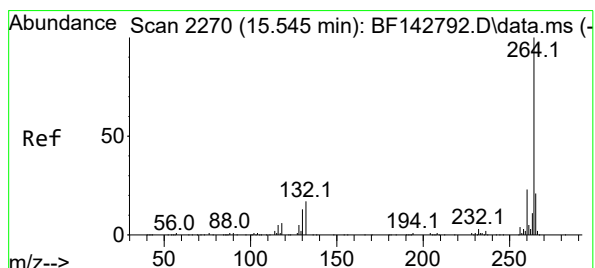
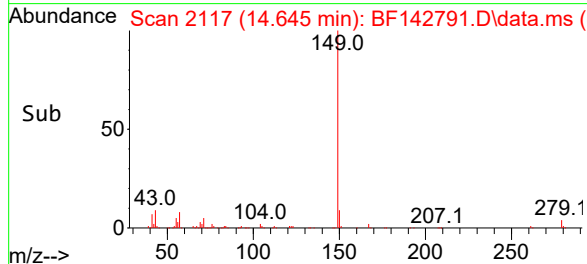
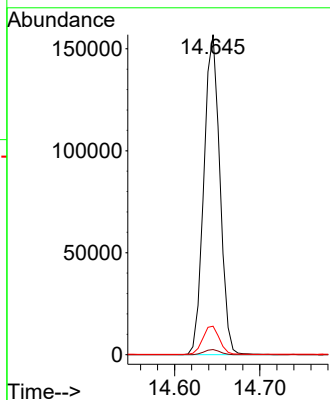
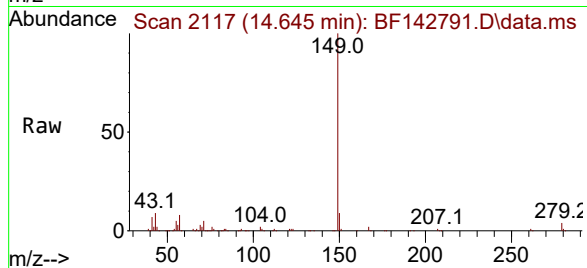




#85
Di-n-octyl phthalate
Concen: 17.475 ng
RT: 14.645 min Scan# 2117
Delta R.T. 0.000 min
Lab File: BF142791.D
Acq: 19 Jun 2025 18:39

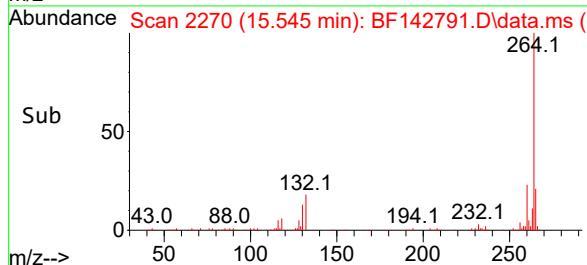
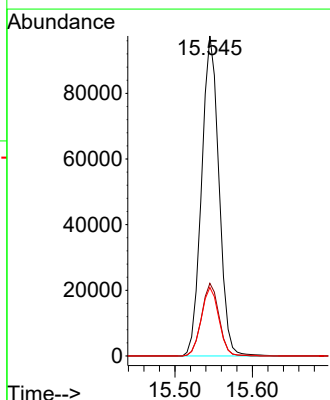
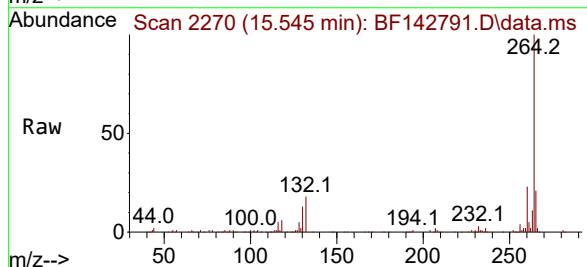
Instrument :
BNA_F
ClientSampleId :
SSTDICC020

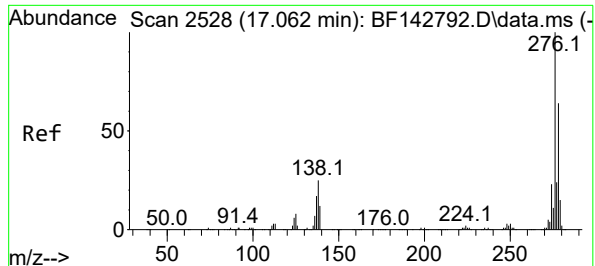
Tgt Ion:149 Resp: 204632
Ion Ratio Lower Upper
149 100
167 1.6 1.3 1.9
43 9.2 7.6 11.4



#86
Perylene-d12
Concen: 20.000 ng
RT: 15.545 min Scan# 2270
Delta R.T. 0.000 min
Lab File: BF142791.D
Acq: 19 Jun 2025 18:39

Tgt Ion:264 Resp: 151331
Ion Ratio Lower Upper
264 100
260 22.7 18.1 27.1
265 21.4 16.6 25.0





#87

Indeno(1,2,3-cd)pyrene

Concen: 20.893 ng

RT: 17.051 min Scan# 2195

Delta R.T. -0.012 min

Lab File: BF142791.D

Acq: 19 Jun 2025 18:39

Instrument :

BNA_F

ClientSampleId :

SSTDICC020

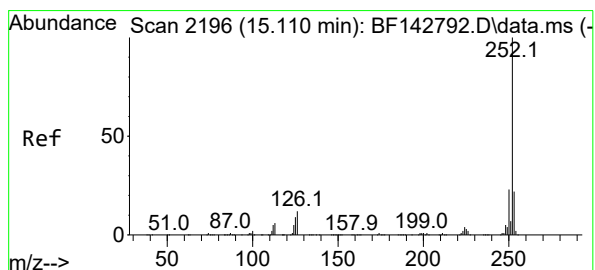
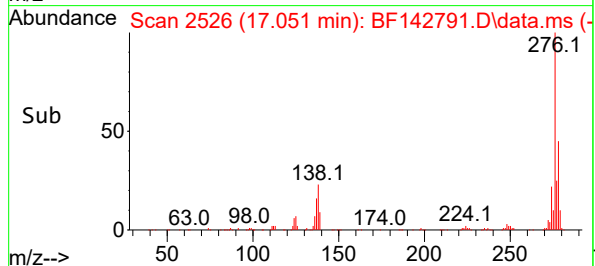
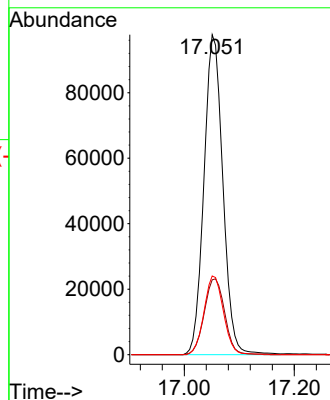
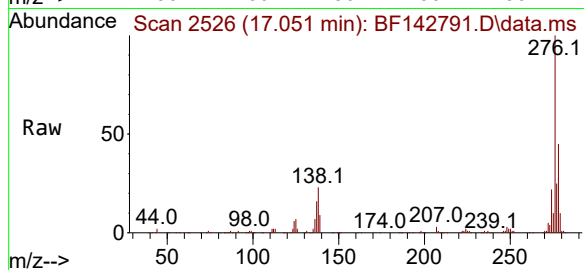
Tgt Ion:276 Resp: 233757

Ion Ratio Lower Upper

276 100

138 25.6 20.2 30.4

277 25.2 19.8 29.6



#88

Benzo(b)fluoranthene

Concen: 21.056 ng

RT: 15.104 min Scan# 2195

Delta R.T. -0.006 min

Lab File: BF142791.D

Acq: 19 Jun 2025 18:39

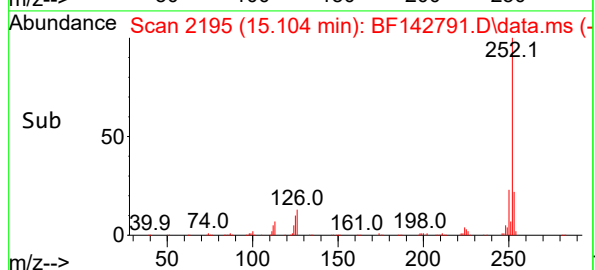
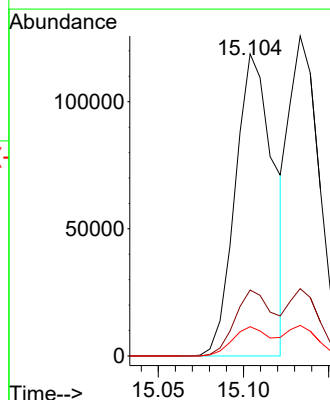
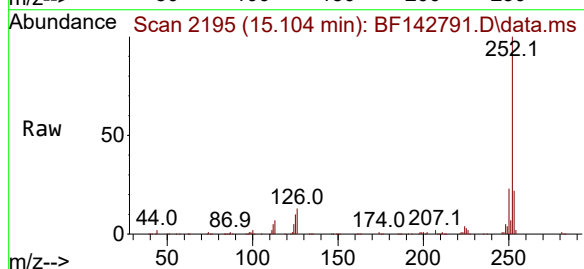
Tgt Ion:252 Resp: 185574

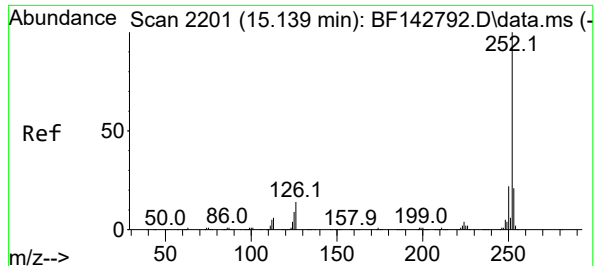
Ion Ratio Lower Upper

252 100

253 21.8 17.5 26.3

125 9.7 7.4 11.0





#89

Benzo(k)fluoranthene

Concen: 18.201 ng

RT: 15.133 min Scan# 21

Delta R.T. -0.006 min

Lab File: BF142791.D

Acq: 19 Jun 2025 18:39

Instrument :

BNA_F

ClientSampleId :

SSTDICC020

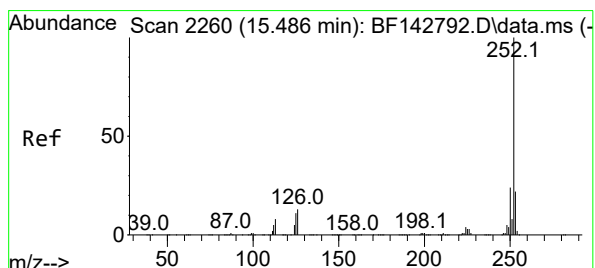
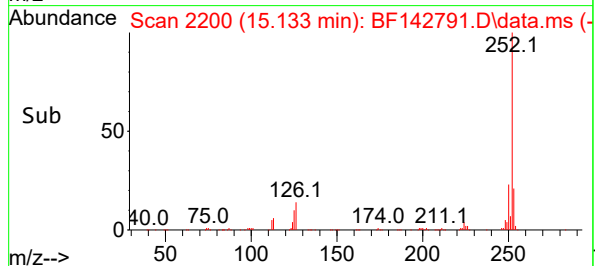
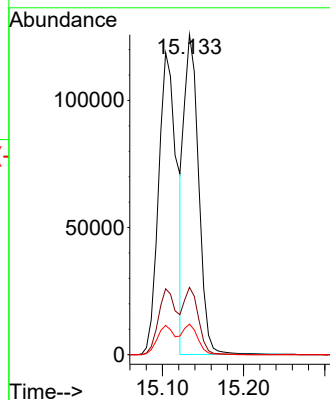
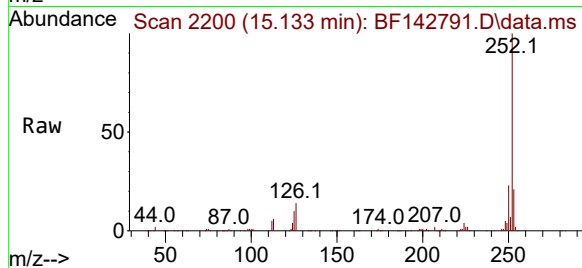
Tgt Ion:252 Resp: 156588

Ion Ratio Lower Upper

252 100

253 21.1 17.2 25.8

125 9.6 7.4 11.2



#90

Benzo(a)pyrene

Concen: 20.162 ng

RT: 15.480 min Scan# 2259

Delta R.T. -0.006 min

Lab File: BF142791.D

Acq: 19 Jun 2025 18:39

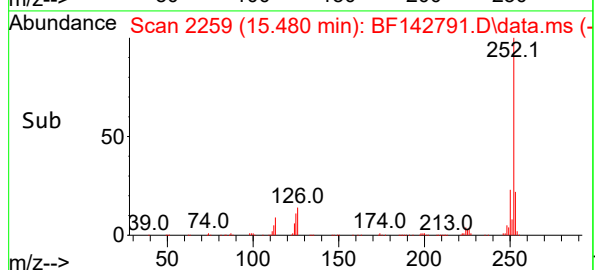
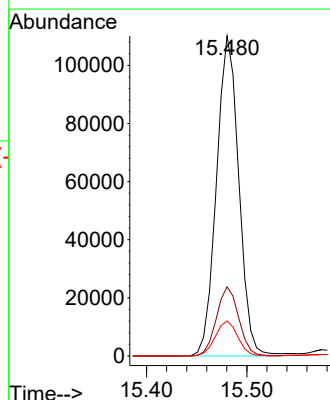
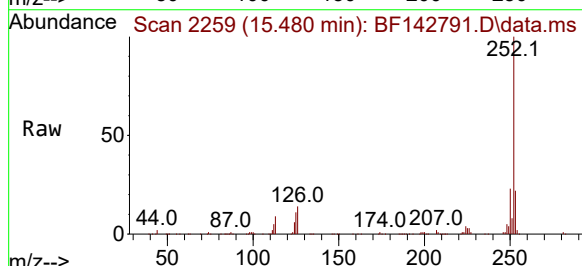
Tgt Ion:252 Resp: 170053

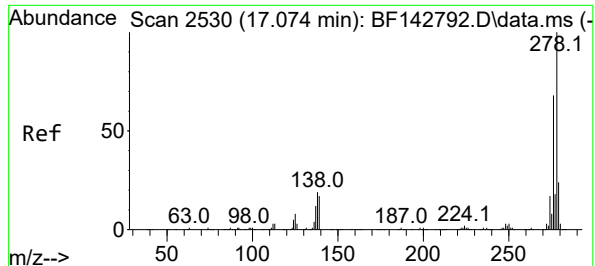
Ion Ratio Lower Upper

252 100

253 21.6 17.5 26.3

125 11.0 8.6 12.8

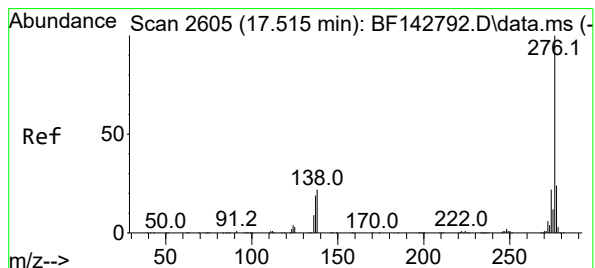
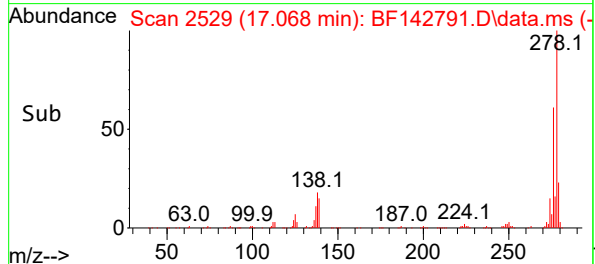
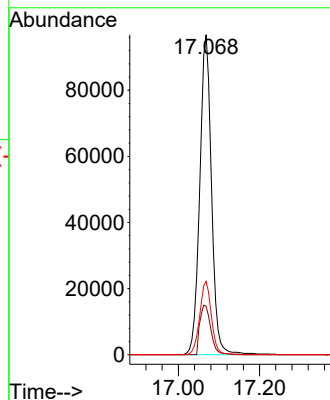
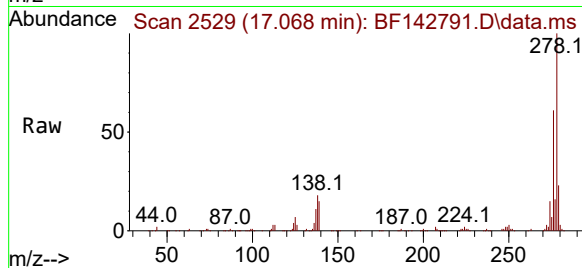




#91
Dibenzo(a,h)anthracene
Concen: 21.504 ng
RT: 17.068 min Scan# 21
Delta R.T. -0.006 min
Lab File: BF142791.D
Acq: 19 Jun 2025 18:39

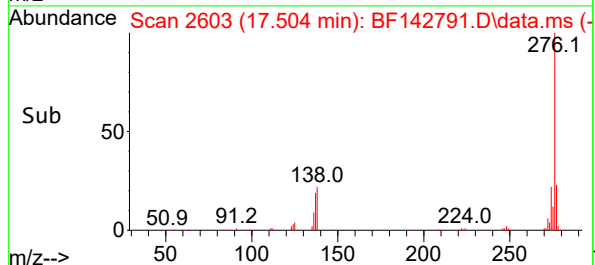
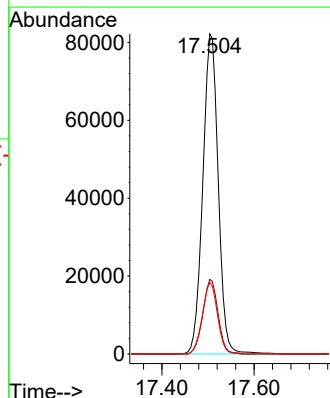
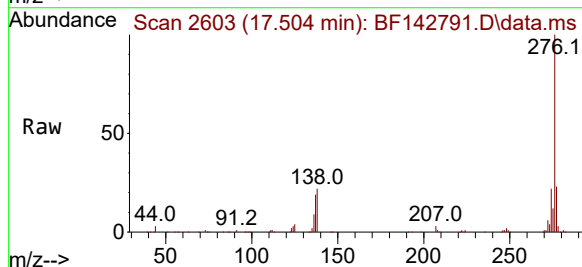
Instrument :
BNA_F
ClientSampleId :
SSTDICC020

Tgt Ion:278 Resp: 195608
Ion Ratio Lower Upper
278 100
139 15.1 13.5 20.3
279 22.9 18.8 28.2



#92
Benzo(g,h,i)perylene
Concen: 21.109 ng
RT: 17.504 min Scan# 2603
Delta R.T. -0.012 min
Lab File: BF142791.D
Acq: 19 Jun 2025 18:39

Tgt Ion:276 Resp: 191567
Ion Ratio Lower Upper
276 100
277 23.3 18.8 28.2
138 22.3 17.6 26.4



Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF061925\
 Data File : BF142792.D
 Acq On : 19 Jun 2025 19:09
 Operator : RC/JU
 Sample : SSTDICCC040
 Misc :
 ALS Vial : 6 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 SSTDICCC040

Quant Time: Jun 20 04:39:58 2025
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF061925.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Fri Jun 20 04:36:38 2025
 Response via : Initial Calibration

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

Internal Standards						
1) 1,4-Dichlorobenzene-d4	6.881	152	83734	20.000	ng	0.00
21) Naphthalene-d8	8.169	136	313297	20.000	ng	0.00
39) Acenaphthene-d10	9.922	164	161991	20.000	ng	0.00
64) Phenanthrene-d10	11.410	188	263346	20.000	ng	0.00
76) Chrysene-d12	14.057	240	142481	20.000	ng	0.00
86) Perylene-d12	15.545	264	170267	20.000	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.492	112	384996	78.420	ng	0.00
7) Phenol-d6	6.510	99	448961	77.879	ng	0.00
23) Nitrobenzene-d5	7.445	82	443431	77.580	ng	0.00
42) 2,4,6-Tribromophenol	10.716	330	129669	73.654	ng	0.00
45) 2-Fluorobiphenyl	9.245	172	926905	76.120	ng	0.00
79) Terphenyl-d14	12.998	244	756495	73.897	ng	0.00
Target Compounds						Qvalue
2) 1,4-Dioxane	2.640	88	77194	39.596	ng	100
3) Pyridine	3.410	79	194866	39.924	ng	100
4) n-Nitrosodimethylamine	3.357	42	99851	39.943	ng	100
6) Aniline	6.545	93	304377	39.397	ng	100
8) 2-Chlorophenol	6.663	128	208444	38.992	ng	100
9) Benzaldehyde	6.434	77	126748	36.063	ng	100
10) Phenol	6.522	94	253916	39.504	ng	100
11) bis(2-Chloroethyl)ether	6.616	93	179469	37.634	ng	100
12) 1,3-Dichlorobenzene	6.822	146	230658	37.892	ng	100
13) 1,4-Dichlorobenzene	6.898	146	235951	38.243	ng	100
14) 1,2-Dichlorobenzene	7.051	146	222976	37.805	ng	100
15) Benzyl Alcohol	7.022	79	163491	37.888	ng	100
16) 2,2'-oxybis(1-Chloropr...	7.157	45	288515	38.400	ng	100
17) 2-Methylphenol	7.134	107	157159	38.454	ng	100
18) Hexachloroethane	7.392	117	83524	37.870	ng	100
19) n-Nitroso-di-n-propyla...	7.292	70	131792	36.251	ng	100
20) 3+4-Methylphenols	7.286	107	196876	38.274	ng	100
22) Acetophenone	7.292	105	262224	37.828	ng	100
24) Nitrobenzene	7.463	77	200051	39.383	ng	100
25) Isophorone	7.704	82	347894	36.294	ng	100
26) 2-Nitrophenol	7.781	139	111792	39.497	ng	100
27) 2,4-Dimethylphenol	7.816	122	187808	38.974	ng	100
28) bis(2-Chloroethoxy)met...	7.910	93	222264	37.249	ng	100
29) 2,4-Dichlorophenol	8.022	162	171329	38.576	ng	100
30) 1,2,4-Trichlorobenzene	8.104	180	187194	38.155	ng	100
31) Naphthalene	8.186	128	584986	37.966	ng	100
32) Benzoic acid	7.922	122	98210	36.734	ng	100
33) 4-Chloroaniline	8.233	127	237317	38.432	ng	100
34) Hexachlorobutadiene	8.304	225	115333	37.099	ng	100
35) Caprolactam	8.604	113	44914	37.583	ng	100
36) 4-Chloro-3-methylphenol	8.716	107	168353	36.695	ng	100
37) 2-Methylnaphthalene	8.880	142	362692	37.313	ng	100
38) 1-Methylnaphthalene	8.980	142	374836	37.143	ng	100
40) 1,2,4,5-Tetrachloroben...	9.045	216	180481	38.596	ng	100
41) Hexachlorocyclopentadiene	9.033	237	108999	36.863	ng	100
43) 2,4,6-Trichlorophenol	9.157	196	118412	39.129	ng	100

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF061925\
 Data File : BF142792.D
 Acq On : 19 Jun 2025 19:09
 Operator : RC/JU
 Sample : SSTDICCC040
 Misc :
 ALS Vial : 6 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 SSTDICCC040

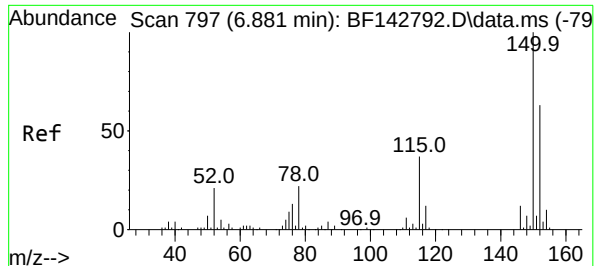
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 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Fri Jun 20 04:36:38 2025
 Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
44) 2,4,5-Trichlorophenol	9.198	196	126712	38.774	ng	100
46) 1,1'-Biphenyl	9.345	154	487587	38.765	ng	100
47) 2-Chloronaphthalene	9.369	162	365760	39.408	ng	100
48) 2-Nitroaniline	9.463	65	105098	39.858	ng	100
49) Acenaphthylene	9.786	152	603057	38.649	ng	100
50) Dimethylphthalate	9.645	163	397980	37.038	ng	100
51) 2,6-Dinitrotoluene	9.704	165	89811	38.557	ng	100
52) Acenaphthene	9.957	154	369889	38.310	ng	100
53) 3-Nitroaniline	9.875	138	97950	38.714	ng	100
54) 2,4-Dinitrophenol	9.980	184	46000	36.494	ng	100
55) Dibenzofuran	10.127	168	526718	38.235	ng	100
56) 4-Nitrophenol	10.033	139	67375	39.230	ng	100
57) 2,4-Dinitrotoluene	10.110	165	119021	38.644	ng	100
58) Fluorene	10.475	166	408102	37.535	ng	100
59) 2,3,4,6-Tetrachlorophenol	10.245	232	100957	36.847	ng	100
60) Diethylphthalate	10.339	149	392278	36.752	ng	100
61) 4-Chlorophenyl-phenylether	10.463	204	193928	36.726	ng	100
62) 4-Nitroaniline	10.486	138	88142	38.806	ng	100
63) Azobenzene	10.622	77	350110	37.534	ng	100
65) 4,6-Dinitro-2-methylphthalate	10.522	198	62800	38.375	ng	100
66) n-Nitrosodiphenylamine	10.580	169	353033	39.014	ng	100
67) 4-Bromophenyl-phenylether	10.957	248	114874	37.246	ng	100
68) Hexachlorobenzene	11.022	284	126882	37.057	ng	100
69) Atrazine	11.104	200	91444	38.060	ng	100
70) Pentachlorophenol	11.216	266	65999	37.113	ng	100
71) Phenanthrene	11.439	178	542935	38.508	ng	100
72) Anthracene	11.486	178	560180	38.384	ng	100
73) Carbazole	11.645	167	473801	38.769	ng	100
74) Di-n-butylphthalate	11.969	149	498285	36.824	ng	100
75) Fluoranthene	12.627	202	502656	37.522	ng	100
77) Benzidine	12.745	184	220379	43.691	ng	100
78) Pyrene	12.857	202	496538	37.911	ng	100
80) Butylbenzylphthalate	13.468	149	155920	40.172	ng	100
81) Benzo(a)anthracene	14.045	228	360377	38.522	ng	100
82) 3,3'-Dichlorobenzidine	14.004	252	122140	40.321	ng	100
83) Chrysene	14.080	228	331830	38.101	ng	100
84) Bis(2-ethylhexyl)phthalate	14.027	149	228949	39.589	ng	100
85) Di-n-octyl phthalate	14.645	149	416971	37.837	ng	100
87) Indeno(1,2,3-cd)pyrene	17.062	276	501803	39.863	ng	100
88) Benzo(b)fluoranthene	15.110	252	365164	36.825	ng	100
89) Benzo(k)fluoranthene	15.139	252	352993	36.466	ng	100
90) Benzo(a)pyrene	15.486	252	363990	38.357	ng	100
91) Dibenzo(a,h)anthracene	17.074	278	401876	39.266	ng	100
92) Benzo(g,h,i)perylene	17.515	276	404711	39.635	ng	100

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

Instrument :
BNA_F
ClientSampleId :
SSTDICCC040

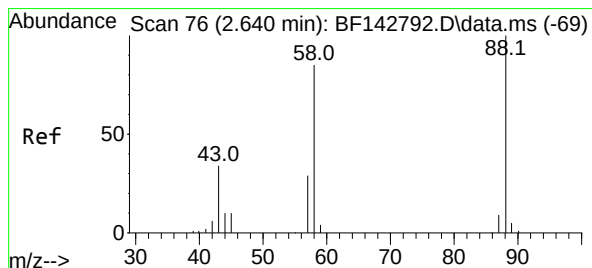
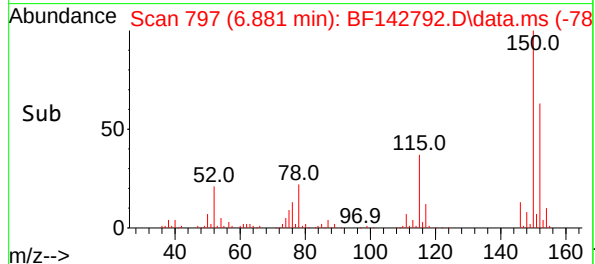
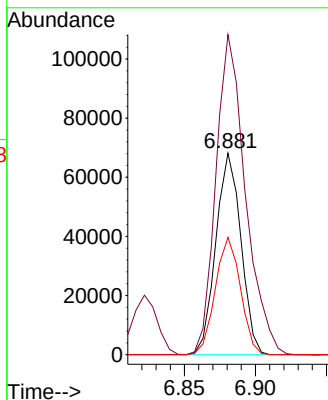
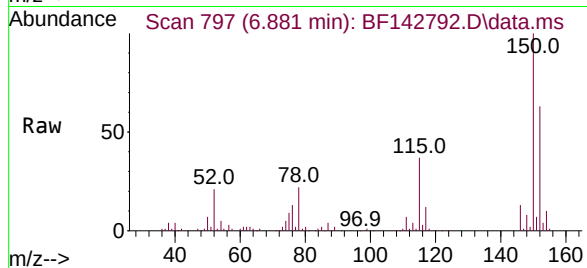
[illegible]



#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.881 min Scan# 79
Delta R.T. -0.000 min
Lab File: BF142792.D
Acq: 19 Jun 2025 19:09

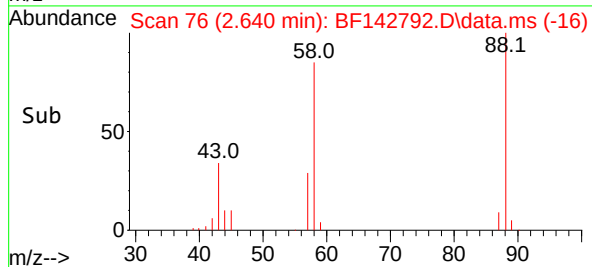
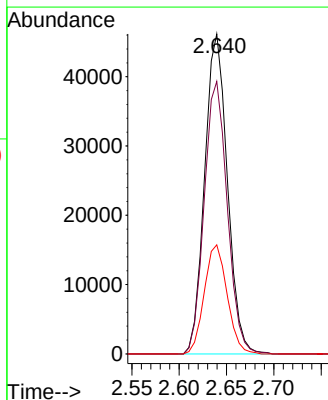
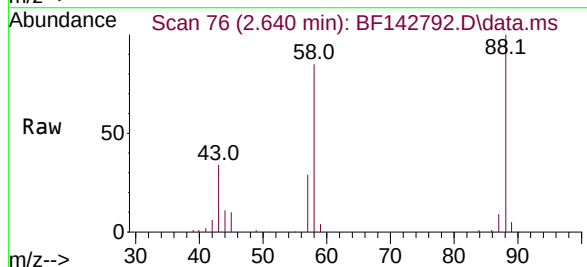
Instrument :
BNA_F
ClientSampleId :
SSTDICCC040

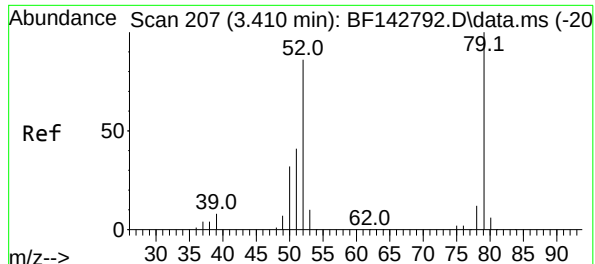
Tgt Ion:152 Resp: 83734
Ion Ratio Lower Upper
152 100
150 159.0 127.2 190.8
115 58.2 46.6 69.8



#2
1,4-Dioxane
Concen: 39.596 ng
RT: 2.640 min Scan# 76
Delta R.T. 0.000 min
Lab File: BF142792.D
Acq: 19 Jun 2025 19:09

Tgt Ion: 88 Resp: 77194
Ion Ratio Lower Upper
88 100
58 86.4 69.1 103.7
43 34.3 27.4 41.2





#3

Pyridine

Concen: 39.924 ng

RT: 3.410 min Scan# 207

Delta R.T. 0.000 min

Lab File: BF142792.D

Acq: 19 Jun 2025 19:09

Instrument :

BNA_F

ClientSampleId :

SSTDICCC040

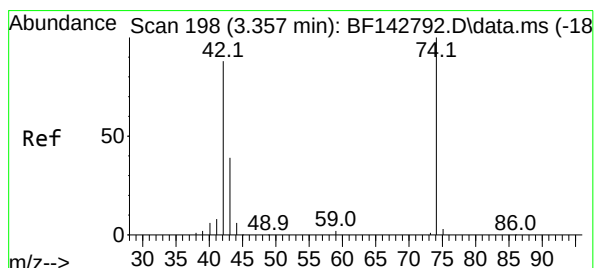
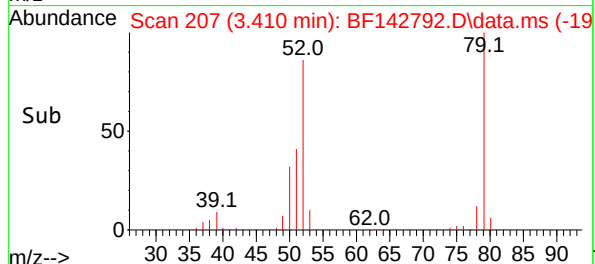
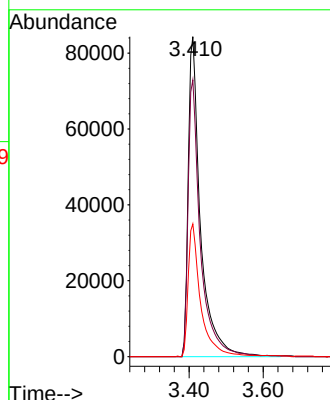
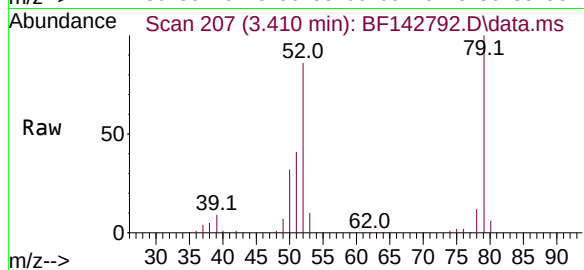
Tgt Ion: 79 Resp: 194866

Ion Ratio Lower Upper

79 100

52 86.5 69.2 103.8

51 41.5 33.2 49.8



#4

n-Nitrosodimethylamine

Concen: 39.943 ng

RT: 3.357 min Scan# 198

Delta R.T. 0.000 min

Lab File: BF142792.D

Acq: 19 Jun 2025 19:09

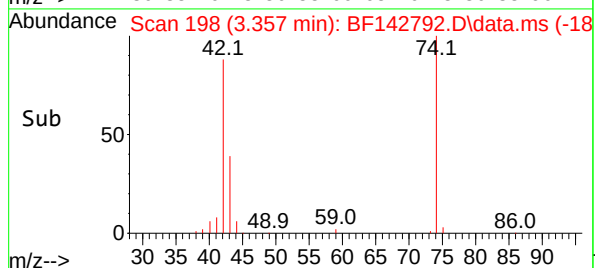
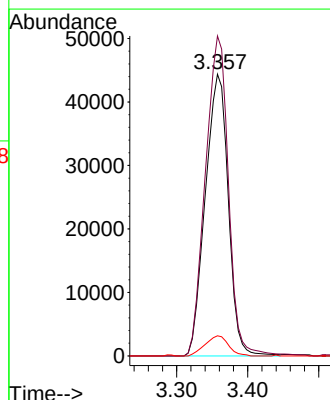
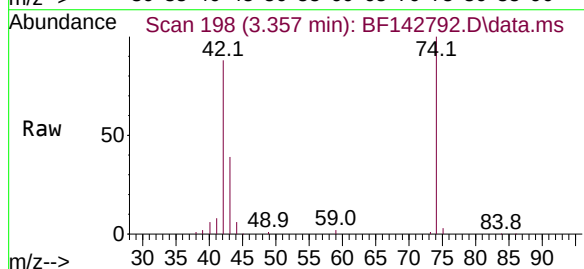
Tgt Ion: 42 Resp: 99851

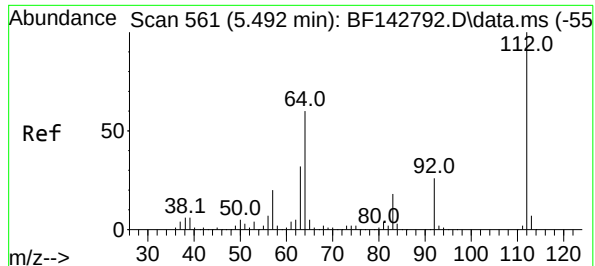
Ion Ratio Lower Upper

42 100

74 113.6 90.9 136.3

44 7.2 5.8 8.6

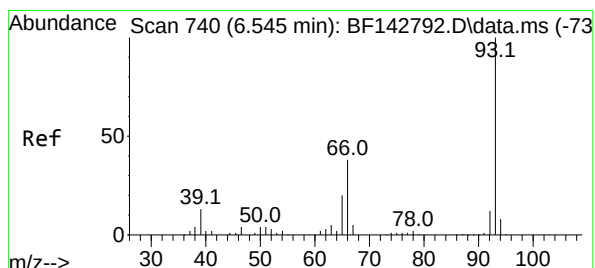
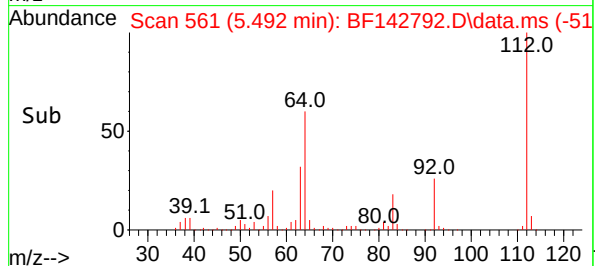
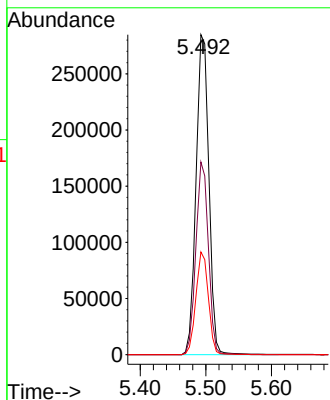
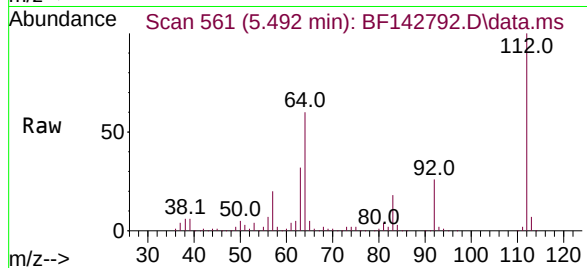




#5
2-Fluorophenol
Concen: 78.420 ng
RT: 5.492 min Scan# 561
Delta R.T. 0.000 min
Lab File: BF142792.D
Acq: 19 Jun 2025 19:09

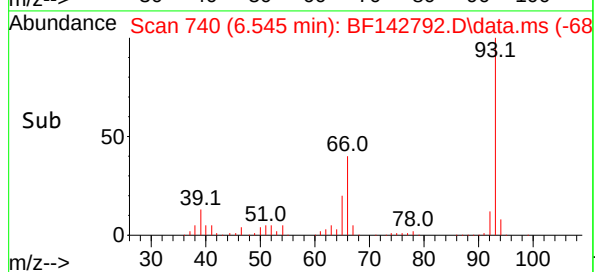
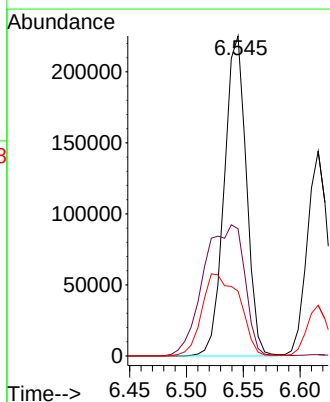
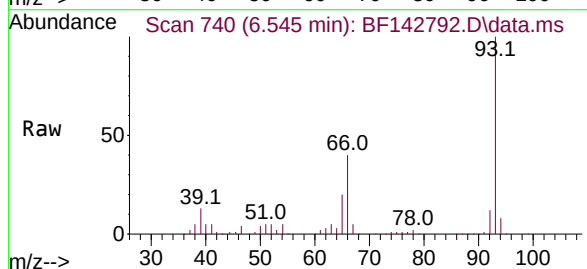
Instrument :
BNA_F
ClientSampleId :
SSTDICCC040

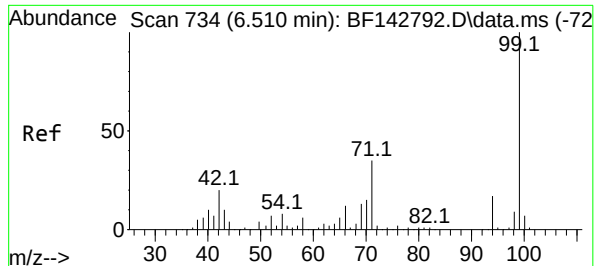
Tgt Ion:112 Resp: 384996
Ion Ratio Lower Upper
112 100
64 60.2 48.2 72.2
63 32.1 25.7 38.5



#6
Aniline
Concen: 39.397 ng
RT: 6.545 min Scan# 740
Delta R.T. 0.000 min
Lab File: BF142792.D
Acq: 19 Jun 2025 19:09

Tgt Ion: 93 Resp: 304377
Ion Ratio Lower Upper
93 100
66 39.7 31.8 47.6
65 20.2 16.2 24.2





#7

Phenol-d6

Concen: 77.879 ng

RT: 6.510 min Scan# 734

Delta R.T. 0.000 min

Lab File: BF142792.D

Acq: 19 Jun 2025 19:09

Instrument :

BNA_F

ClientSampleId :

SSTDICCC040

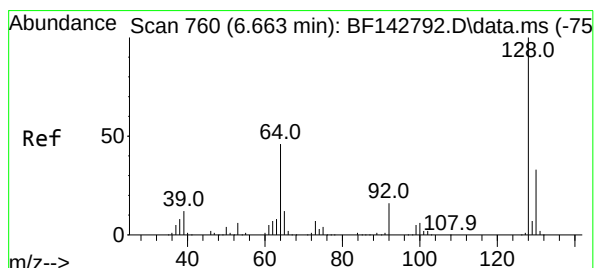
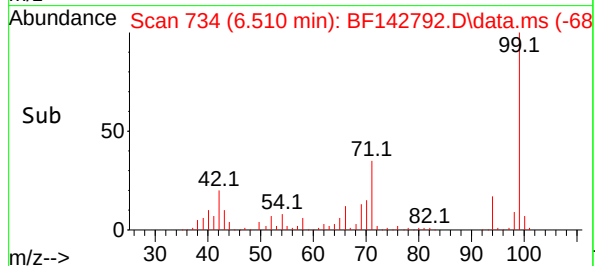
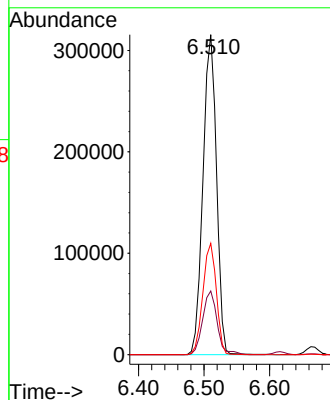
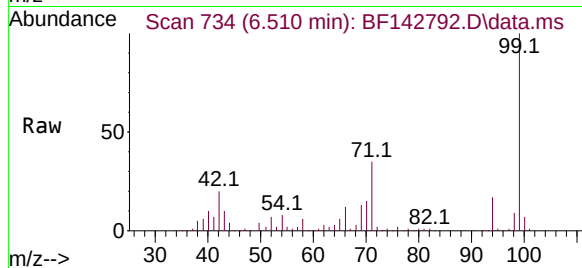
Tgt Ion: 99 Resp: 448961

Ion Ratio Lower Upper

99 100

42 19.9 15.9 23.9

71 34.8 27.8 41.8



#8

2-Chlorophenol

Concen: 38.992 ng

RT: 6.663 min Scan# 760

Delta R.T. 0.000 min

Lab File: BF142792.D

Acq: 19 Jun 2025 19:09

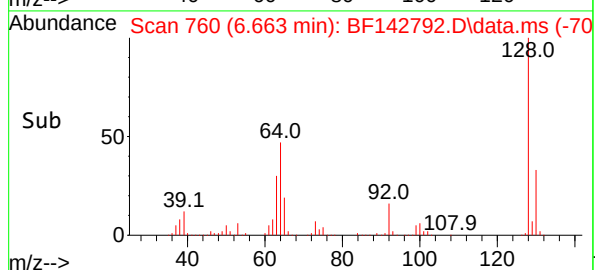
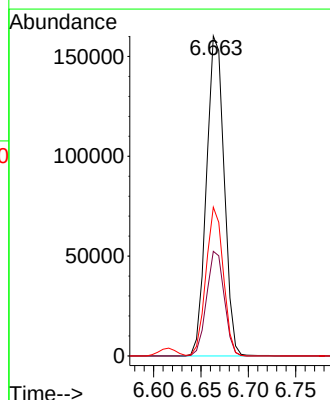
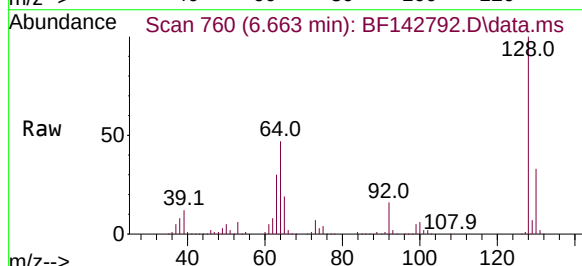
Tgt Ion:128 Resp: 208444

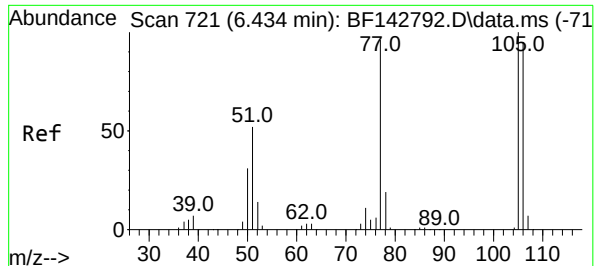
Ion Ratio Lower Upper

128 100

130 32.7 12.7 52.7

64 46.5 26.5 66.5





#9

Benzaldehyde

Concen: 36.063 ng

RT: 6.434 min Scan# 721

Delta R.T. 0.000 min

Lab File: BF142792.D

Acq: 19 Jun 2025 19:09

Instrument :

BNA_F

ClientSampleId :

SSTDICCC040

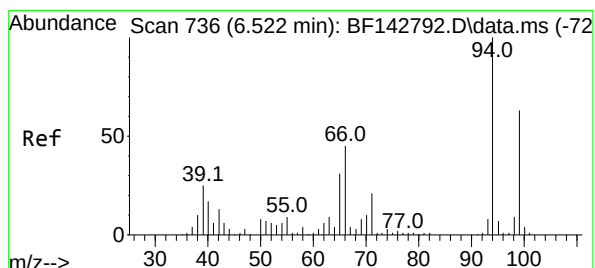
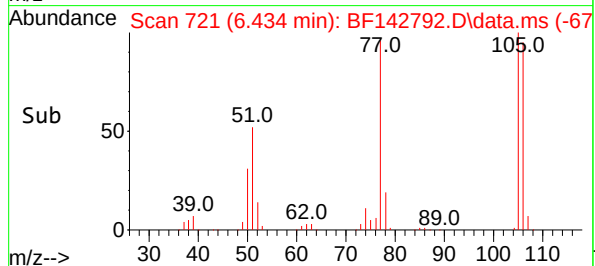
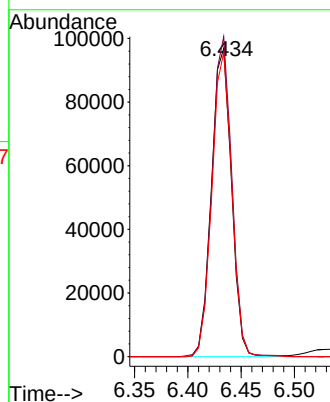
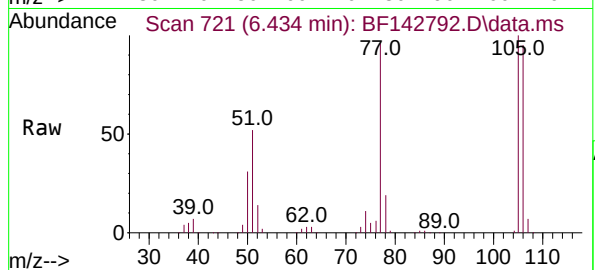
Tgt Ion: 77 Resp: 126748

Ion Ratio Lower Upper

77 100

105 103.8 83.8 123.8

106 98.7 78.7 118.7



#10

Phenol

Concen: 39.504 ng

RT: 6.522 min Scan# 736

Delta R.T. 0.000 min

Lab File: BF142792.D

Acq: 19 Jun 2025 19:09

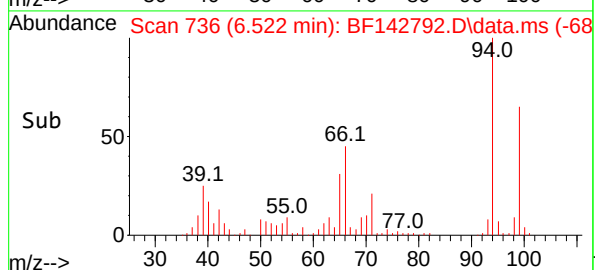
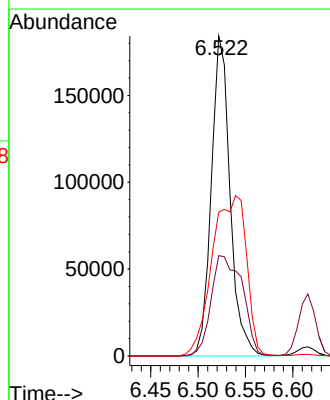
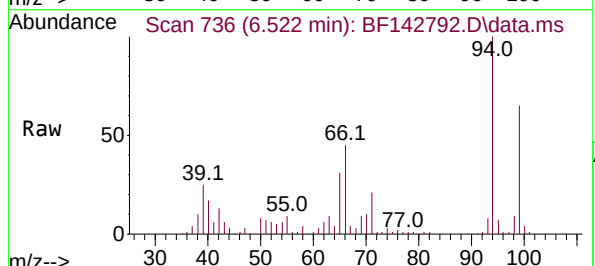
Tgt Ion: 94 Resp: 253916

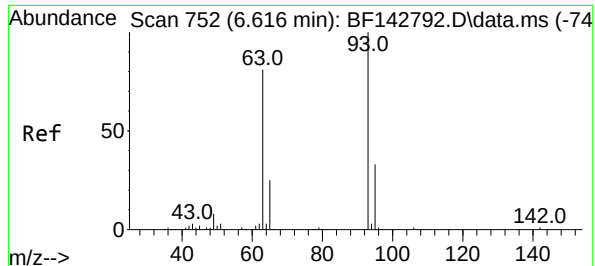
Ion Ratio Lower Upper

94 100

65 31.3 11.3 51.3

66 44.9 24.9 64.9

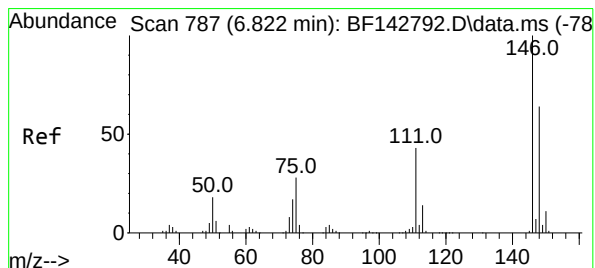
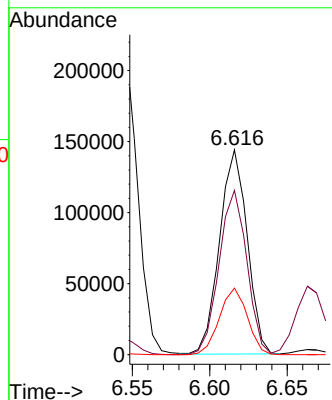
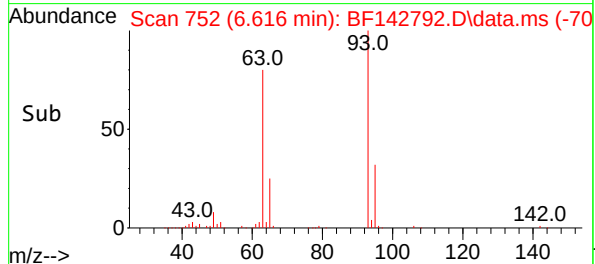
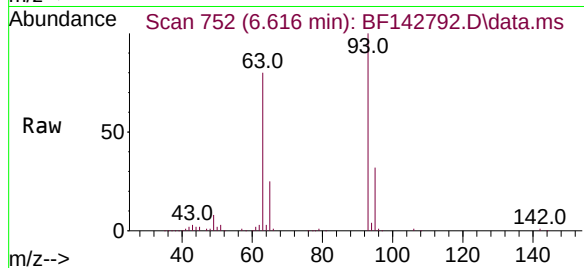




#11
bis(2-Chloroethyl)ether
Concen: 37.634 ng
RT: 6.616 min Scan# 752
Delta R.T. 0.000 min
Lab File: BF142792.D
Acq: 19 Jun 2025 19:09

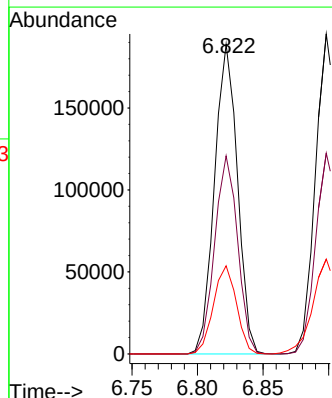
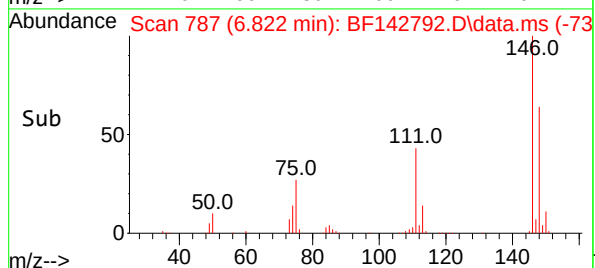
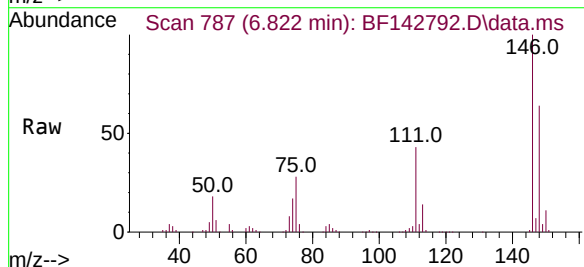
Instrument :
BNA_F
ClientSampleId :
SSTDICCC040

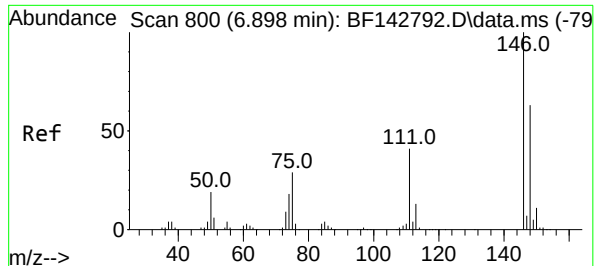
Tgt Ion: 93 Resp: 179469
Ion Ratio Lower Upper
93 100
63 80.3 60.3 100.3
95 32.5 12.5 52.5



#12
1,3-Dichlorobenzene
Concen: 37.892 ng
RT: 6.822 min Scan# 787
Delta R.T. 0.000 min
Lab File: BF142792.D
Acq: 19 Jun 2025 19:09

Tgt Ion: 146 Resp: 230658
Ion Ratio Lower Upper
146 100
148 63.9 51.1 76.7
75 28.4 22.7 34.1





#13

1,4-Dichlorobenzene

Concen: 38.243 ng

RT: 6.898 min Scan# 800

Delta R.T. 0.000 min

Lab File: BF142792.D

Acq: 19 Jun 2025 19:09

Instrument :

BNA_F

ClientSampleId :

SSTDICCC040

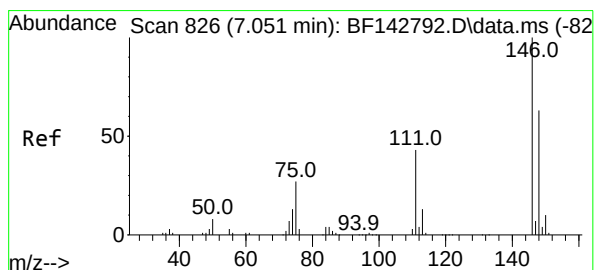
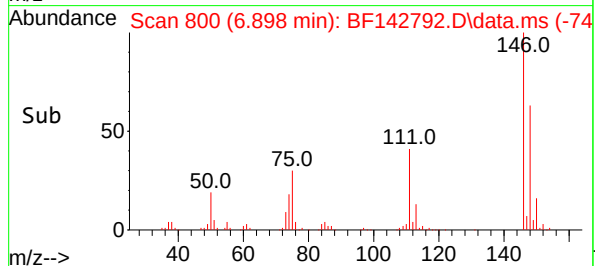
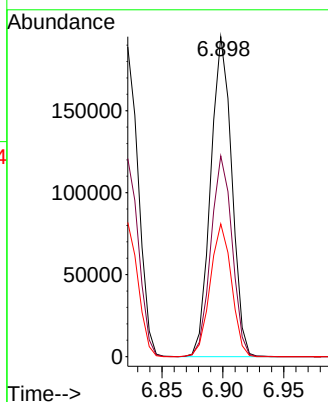
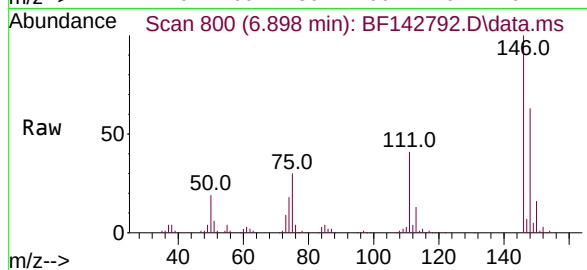
Tgt Ion:146 Resp: 235951

Ion Ratio Lower Upper

146 100

148 62.7 50.2 75.2

111 41.5 33.2 49.8



#14

1,2-Dichlorobenzene

Concen: 37.805 ng

RT: 7.051 min Scan# 826

Delta R.T. 0.000 min

Lab File: BF142792.D

Acq: 19 Jun 2025 19:09

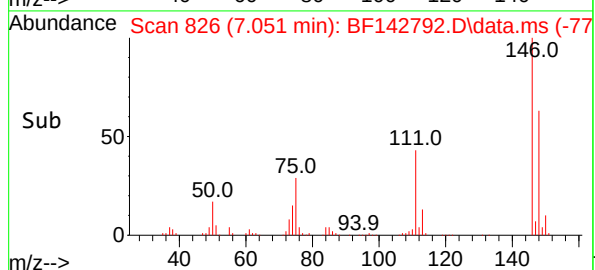
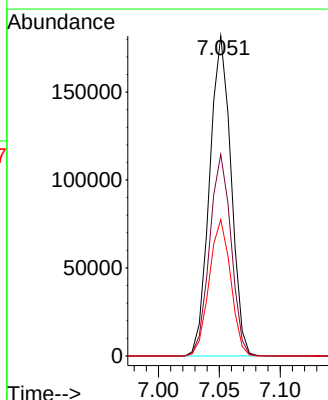
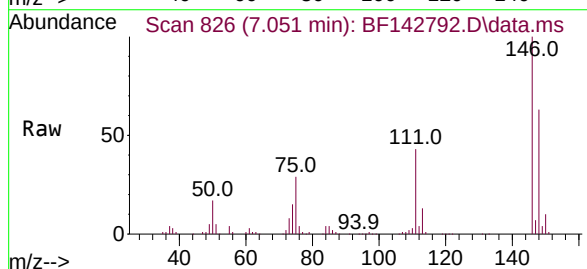
Tgt Ion:146 Resp: 222976

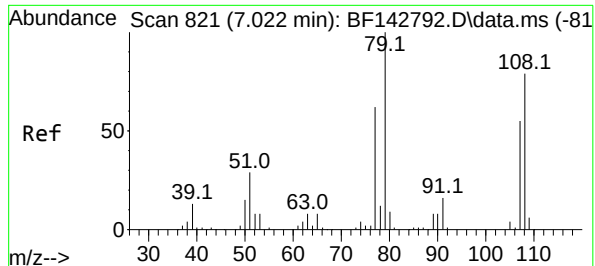
Ion Ratio Lower Upper

146 100

148 63.0 50.4 75.6

111 42.6 34.1 51.1





#15

Benzyl Alcohol

Concen: 37.888 ng

RT: 7.022 min Scan# 821

Delta R.T. 0.000 min

Lab File: BF142792.D

Acq: 19 Jun 2025 19:09

Instrument :

BNA_F

ClientSampleId :

SSTDICCC040

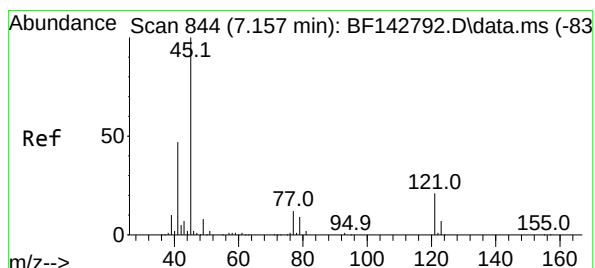
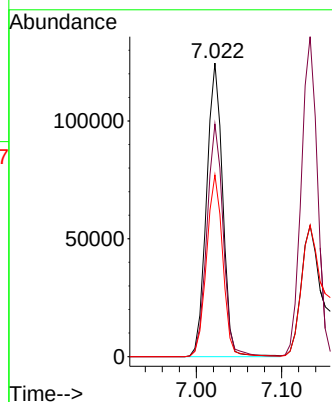
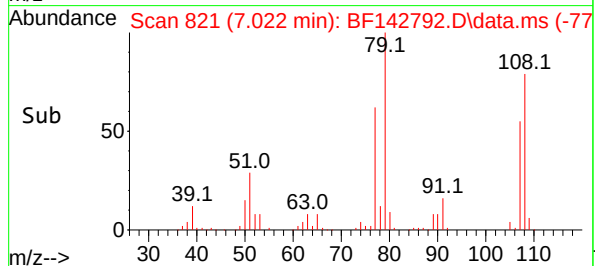
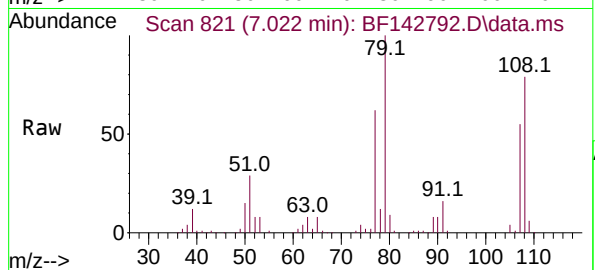
Tgt Ion: 79 Resp: 163491

Ion Ratio Lower Upper

79 100

108 79.2 63.4 95.0

77 61.9 49.5 74.3



#16

2,2'-oxybis(1-Chloropropane)

Concen: 38.400 ng

RT: 7.157 min Scan# 844

Delta R.T. 0.000 min

Lab File: BF142792.D

Acq: 19 Jun 2025 19:09

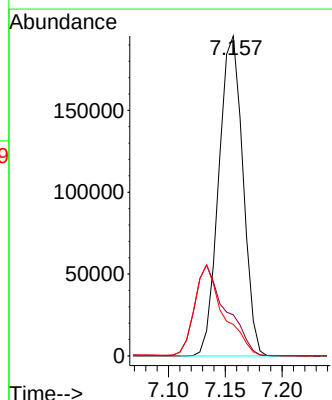
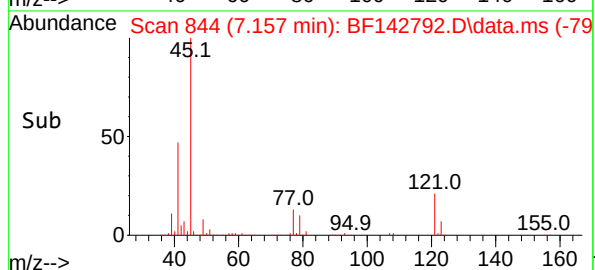
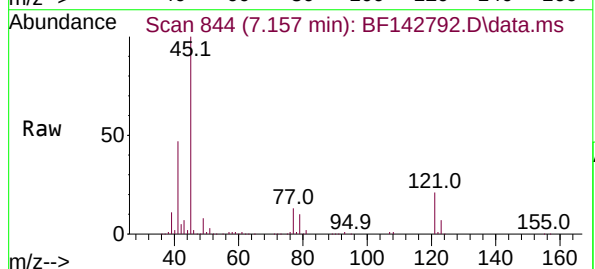
Tgt Ion: 45 Resp: 288515

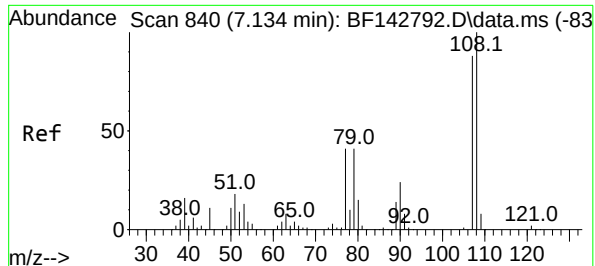
Ion Ratio Lower Upper

45 100

77 12.8 0.0 32.8

79 9.8 0.0 29.8

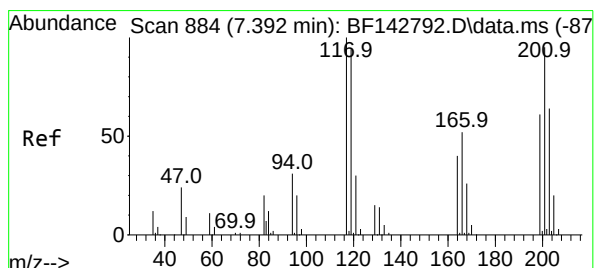
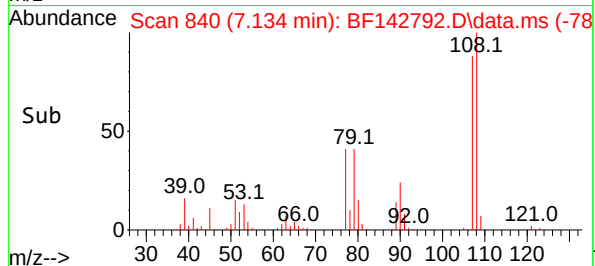
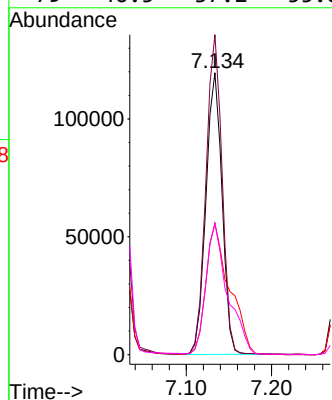
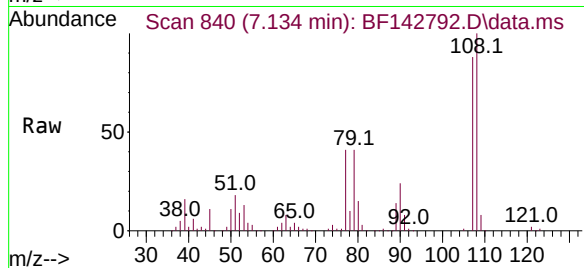




#17
2-Methylphenol
Concen: 38.454 ng
RT: 7.134 min Scan# 840
Delta R.T. 0.000 min
Lab File: BF142792.D
Acq: 19 Jun 2025 19:09

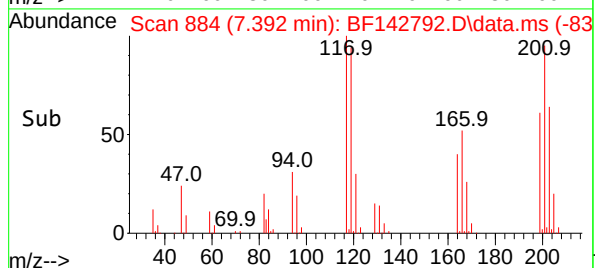
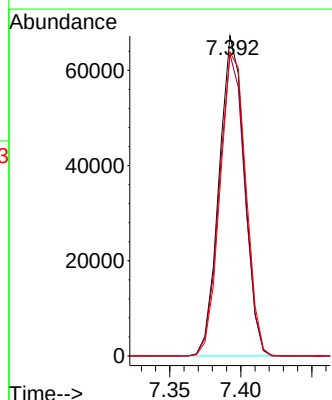
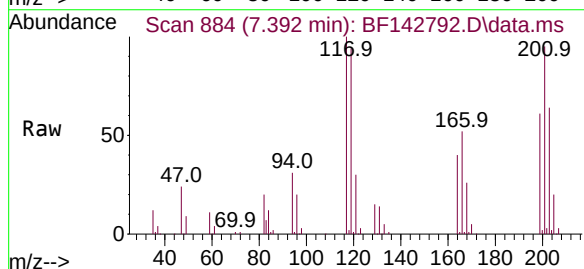
Instrument :
BNA_F
ClientSampleId :
SSTDICCC040

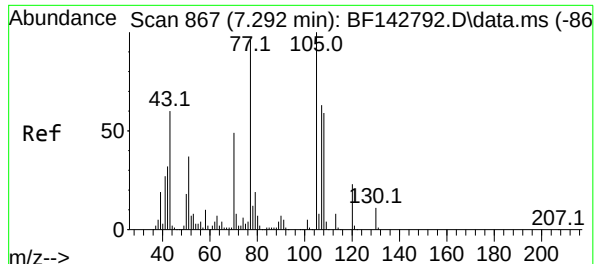
Tgt Ion:	107	Resp:	157159
Ion	Ratio	Lower	Upper
107	100		
108	113.6	90.9	136.3
77	46.6	37.3	55.9
79	46.5	37.2	55.8



#18
Hexachloroethane
Concen: 37.870 ng
RT: 7.392 min Scan# 884
Delta R.T. 0.000 min
Lab File: BF142792.D
Acq: 19 Jun 2025 19:09

Tgt Ion:	117	Resp:	83524
Ion	Ratio	Lower	Upper
117	100		
119	94.2	75.4	113.0
201	94.9	75.9	113.9





#19

n-Nitroso-di-n-propylamine

Concen: 36.251 ng

RT: 7.292 min Scan# 867

Delta R.T. 0.000 min

Lab File: BF142792.D

Acq: 19 Jun 2025 19:09

Instrument :

BNA_F

ClientSampleId :

SSTDICCC040

Tgt Ion: 70 Resp: 131792

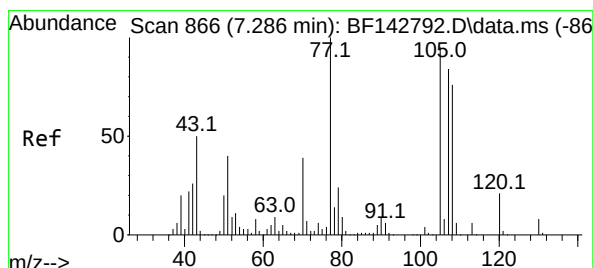
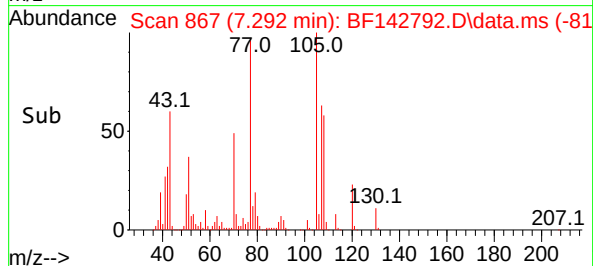
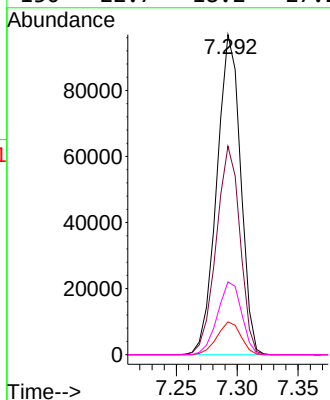
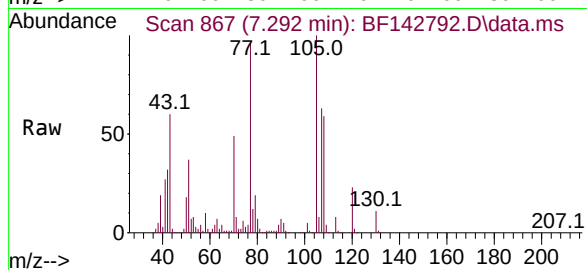
Ion Ratio Lower Upper

70 100

42 65.1 52.1 78.1

101 10.2 8.2 12.2

130 22.7 18.2 27.2



#20

3+4-Methylphenols

Concen: 38.274 ng

RT: 7.286 min Scan# 866

Delta R.T. 0.000 min

Lab File: BF142792.D

Acq: 19 Jun 2025 19:09

Tgt Ion: 107 Resp: 196876

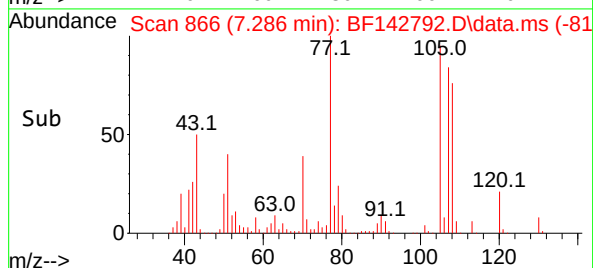
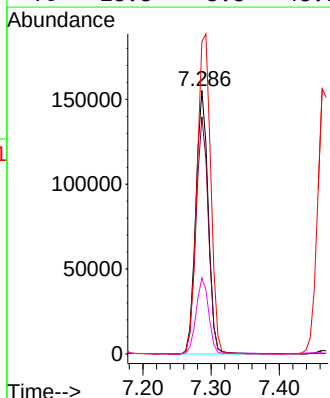
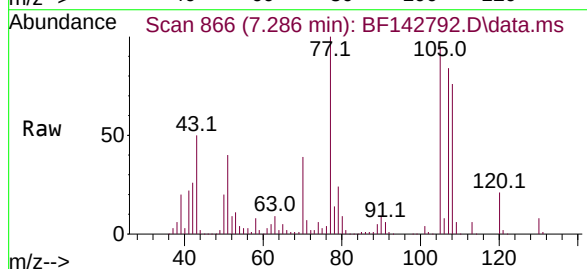
Ion Ratio Lower Upper

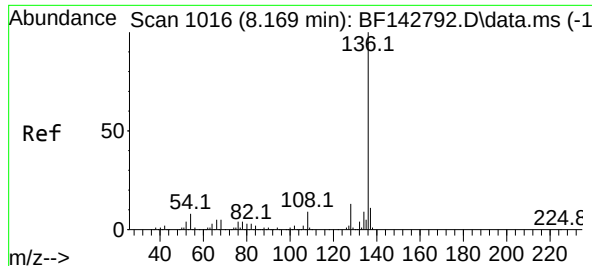
107 100

108 90.0 70.0 110.0

77 118.5 98.5 138.5

79 28.8 8.8 48.8





#21

Naphthalene-d8

Concen: 20.000 ng

RT: 8.169 min Scan# 1016

Delta R.T. 0.000 min

Lab File: BF142792.D

Acq: 19 Jun 2025 19:09

Instrument :

BNA_F

ClientSampleId :

SSTDICCC040

Tgt Ion:136 Resp: 313297

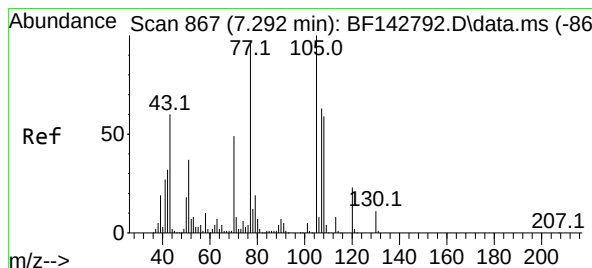
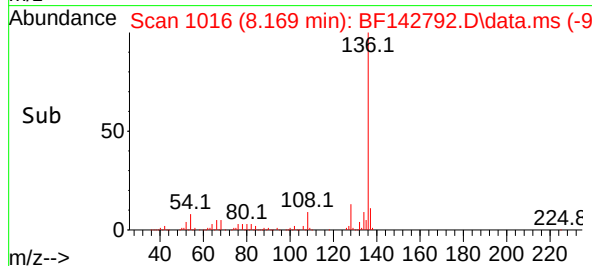
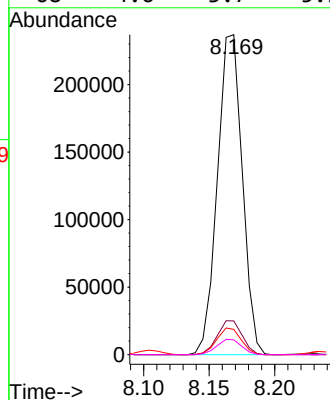
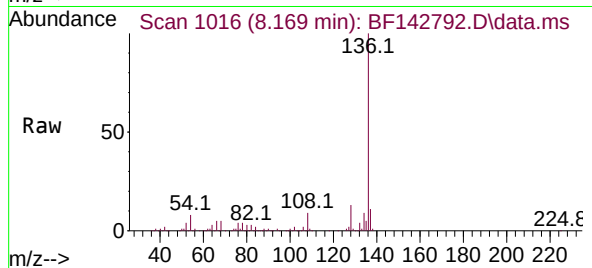
Ion Ratio Lower Upper

136 100

137 10.5 8.4 12.6

54 7.9 6.3 9.5

68 4.6 3.7 5.5



#22

Acetophenone

Concen: 37.828 ng

RT: 7.292 min Scan# 867

Delta R.T. 0.000 min

Lab File: BF142792.D

Acq: 19 Jun 2025 19:09

Tgt Ion:105 Resp: 262224

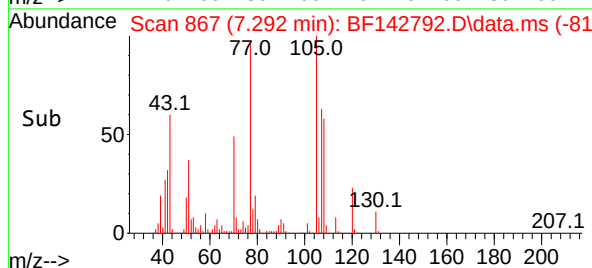
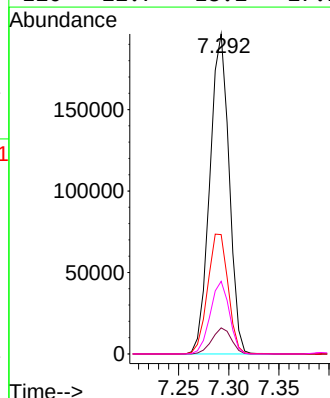
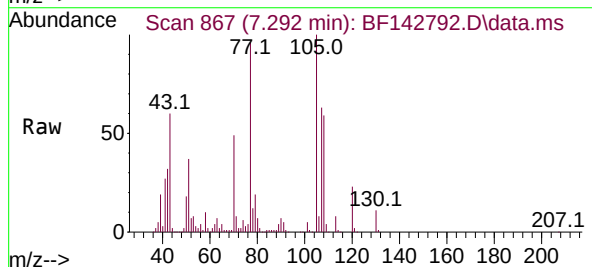
Ion Ratio Lower Upper

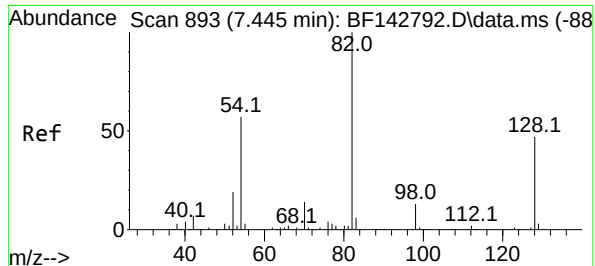
105 100

71 8.1 6.5 9.7

51 37.3 29.8 44.8

120 22.7 18.2 27.2





#23

Nitrobenzene-d5

Concen: 77.580 ng

RT: 7.445 min Scan# 893

Delta R.T. 0.000 min

Lab File: BF142792.D

Acq: 19 Jun 2025 19:09

Instrument :

BNA_F

ClientSampleId :

SSTDICCC040

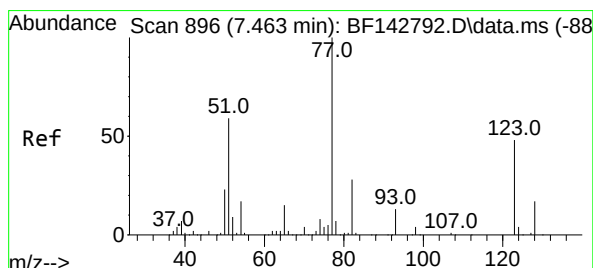
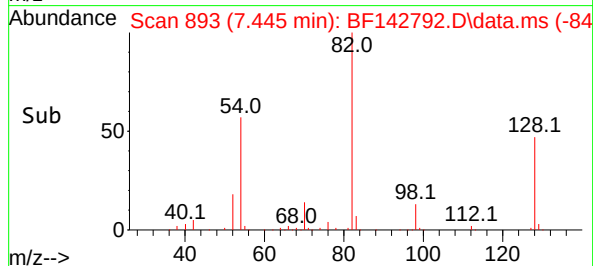
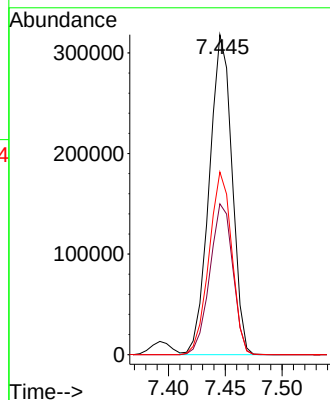
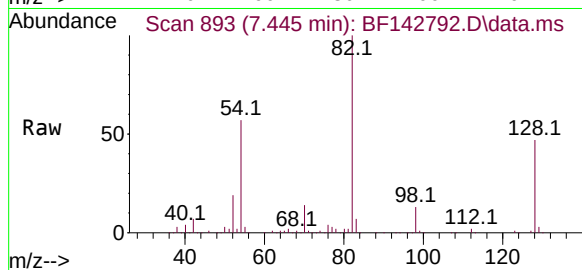
Tgt Ion: 82 Resp: 443431

Ion Ratio Lower Upper

82 100

128 47.1 37.7 56.5

54 57.1 45.7 68.5



#24

Nitrobenzene

Concen: 39.383 ng

RT: 7.463 min Scan# 896

Delta R.T. 0.000 min

Lab File: BF142792.D

Acq: 19 Jun 2025 19:09

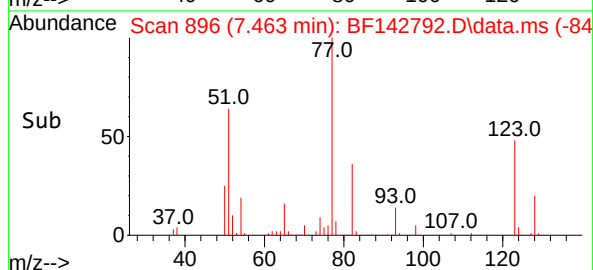
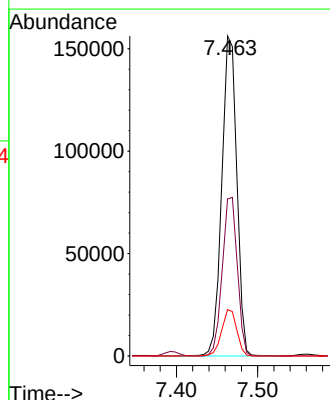
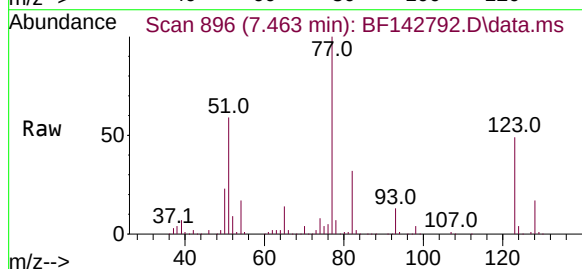
Tgt Ion: 77 Resp: 200051

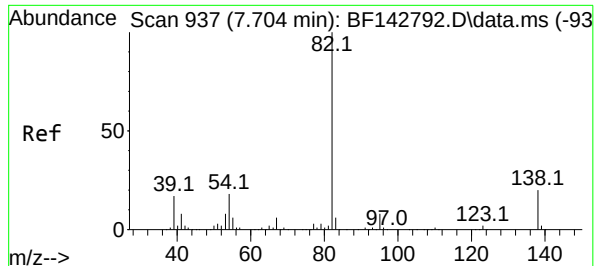
Ion Ratio Lower Upper

77 100

123 49.0 39.2 58.8

65 14.5 11.6 17.4

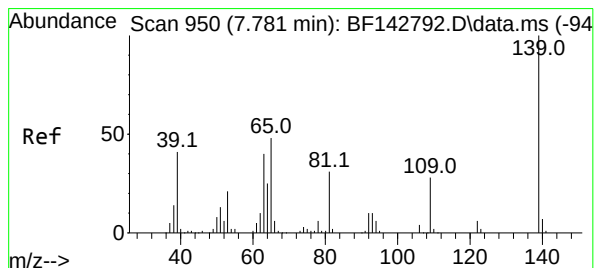
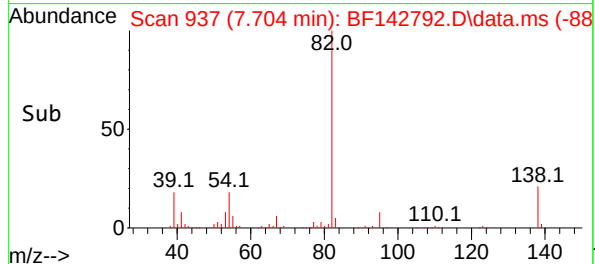
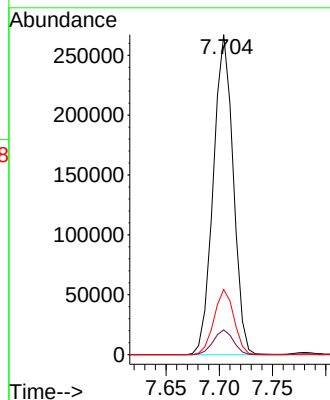
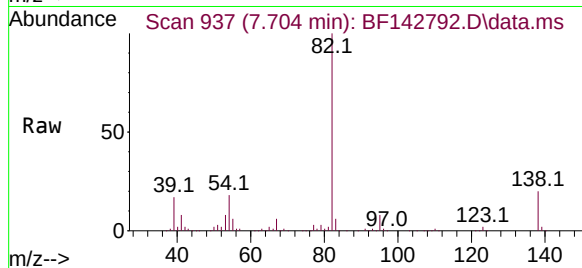




#25
Isophorone
Concen: 36.294 ng
RT: 7.704 min Scan# 937
Delta R.T. 0.000 min
Lab File: BF142792.D
Acq: 19 Jun 2025 19:09

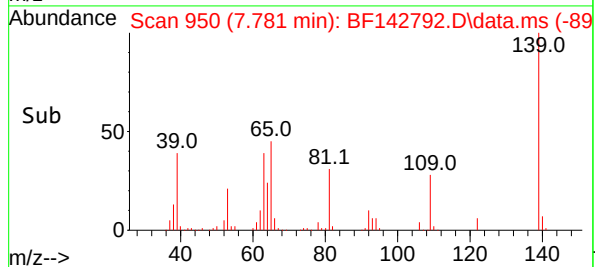
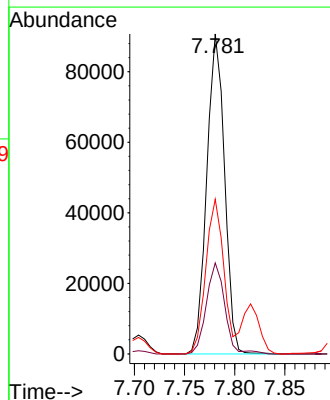
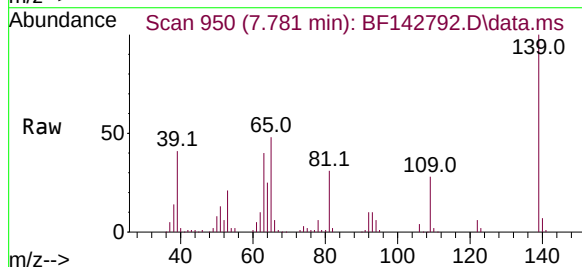
Instrument :
BNA_F
ClientSampleId :
SSTDICCC040

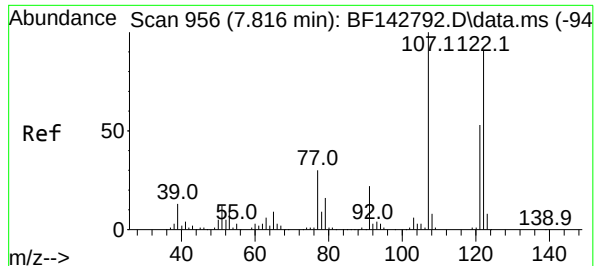
Tgt Ion:	82	Resp:	347894
Ion Ratio	Lower	Upper	
82	100		
95	7.7	6.2	9.2
138	20.3	16.2	24.4



#26
2-Nitrophenol
Concen: 39.497 ng
RT: 7.781 min Scan# 950
Delta R.T. 0.000 min
Lab File: BF142792.D
Acq: 19 Jun 2025 19:09

Tgt Ion:	139	Resp:	111792
Ion Ratio	Lower	Upper	
139	100		
109	28.4	22.7	34.1
65	48.3	38.6	58.0





#27

2,4-Dimethylphenol

Concen: 38.974 ng

RT: 7.816 min Scan# 91

Delta R.T. 0.000 min

Lab File: BF142792.D

Acq: 19 Jun 2025 19:09

Instrument :

BNA_F

ClientSampleId :

SSTDICCC040

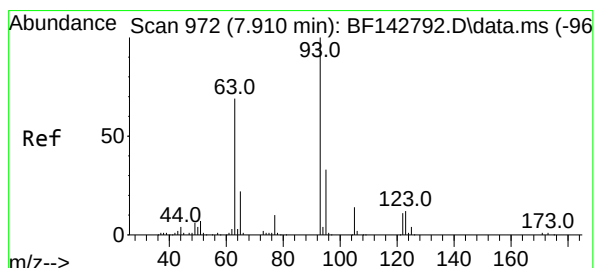
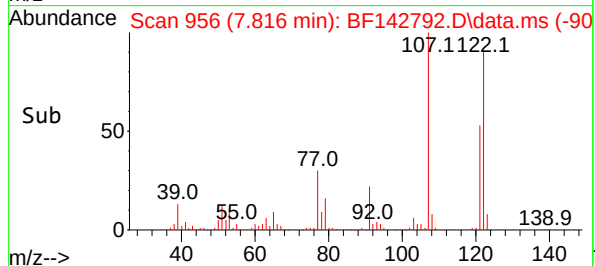
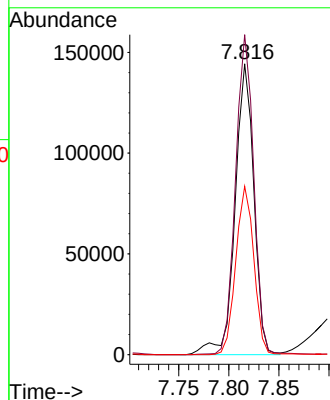
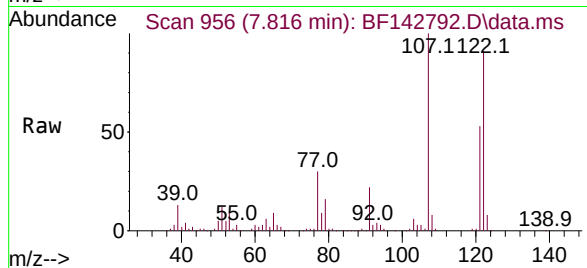
Tgt Ion:122 Resp: 187808

Ion Ratio Lower Upper

122 100

107 110.0 88.0 132.0

121 57.9 46.3 69.5



#28

bis(2-Chloroethoxy)methane

Concen: 37.249 ng

RT: 7.910 min Scan# 972

Delta R.T. 0.000 min

Lab File: BF142792.D

Acq: 19 Jun 2025 19:09

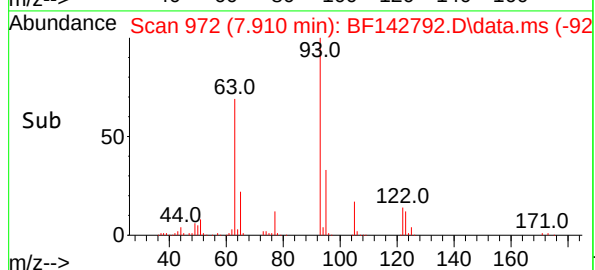
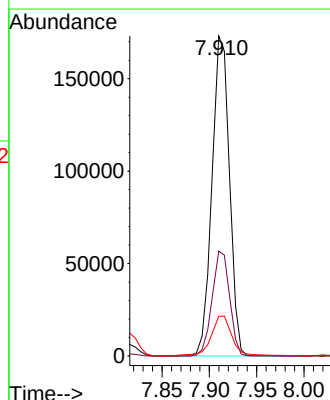
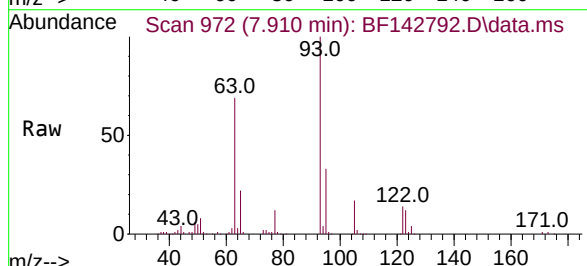
Tgt Ion: 93 Resp: 222264

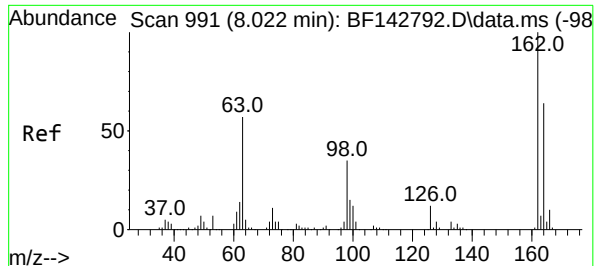
Ion Ratio Lower Upper

93 100

95 32.7 26.2 39.2

123 12.4 9.9 14.9





#29

2,4-Dichlorophenol

Concen: 38.576 ng

RT: 8.022 min Scan# 991

Delta R.T. 0.000 min

Lab File: BF142792.D

Acq: 19 Jun 2025 19:09

Instrument :

BNA_F

ClientSampleId :

SSTDICCC040

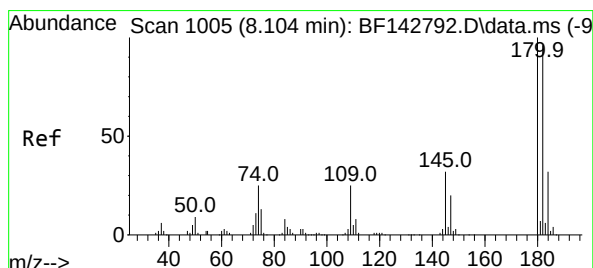
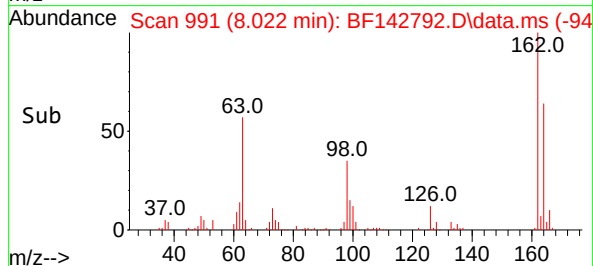
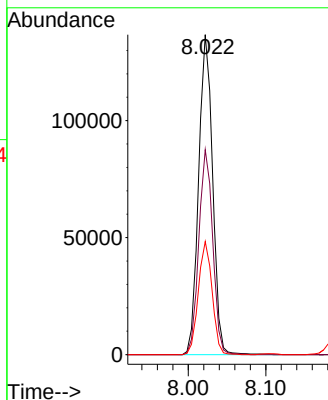
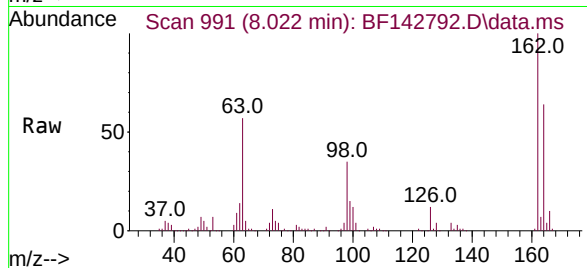
Tgt Ion:162 Resp: 171329

Ion Ratio Lower Upper

162 100

164 64.0 44.0 84.0

98 35.4 15.4 55.4



#30

1,2,4-Trichlorobenzene

Concen: 38.155 ng

RT: 8.104 min Scan# 1005

Delta R.T. 0.000 min

Lab File: BF142792.D

Acq: 19 Jun 2025 19:09

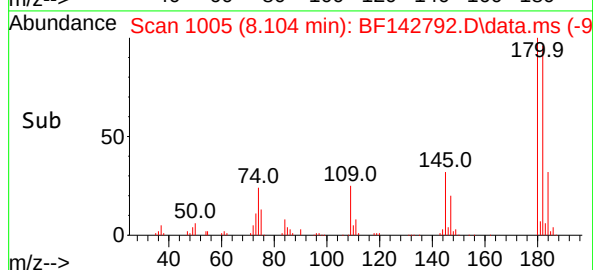
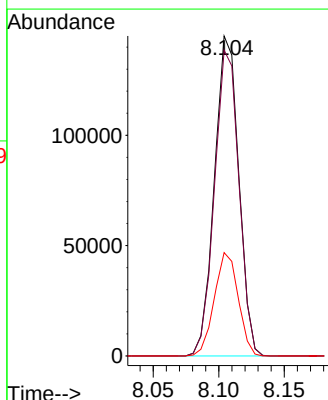
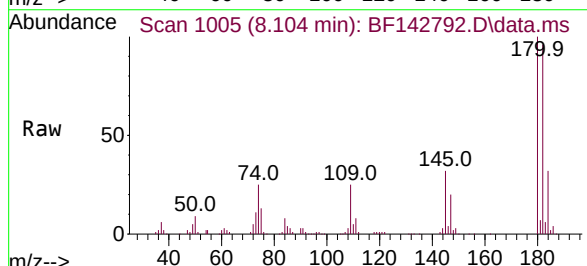
Tgt Ion:180 Resp: 187194

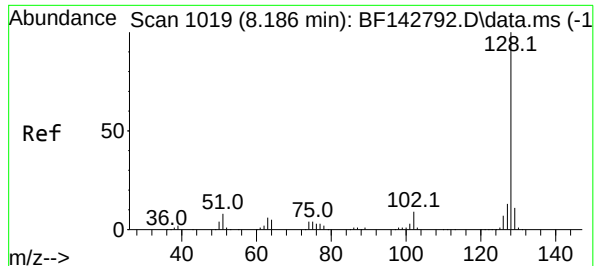
Ion Ratio Lower Upper

180 100

182 95.5 76.4 114.6

145 32.3 25.8 38.8





#31

Naphthalene

Concen: 37.966 ng

RT: 8.186 min Scan# 1019

Delta R.T. 0.000 min

Lab File: BF142792.D

Acq: 19 Jun 2025 19:09

Instrument :

BNA_F

ClientSampleId :

SSTDICCC040

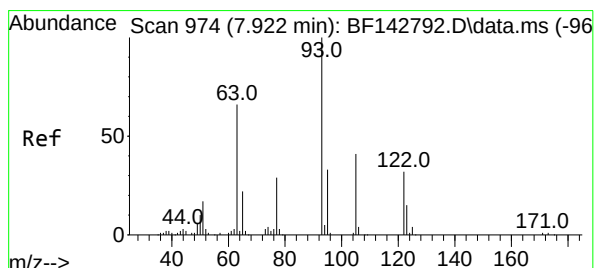
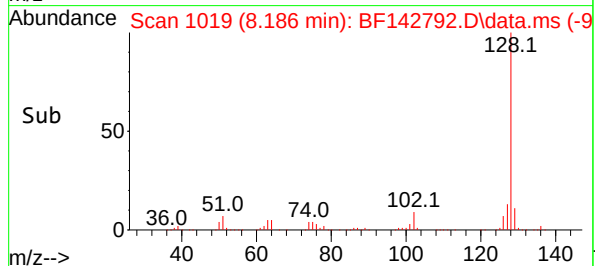
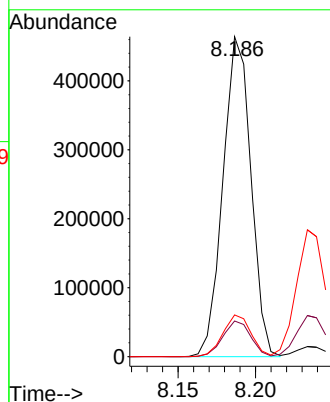
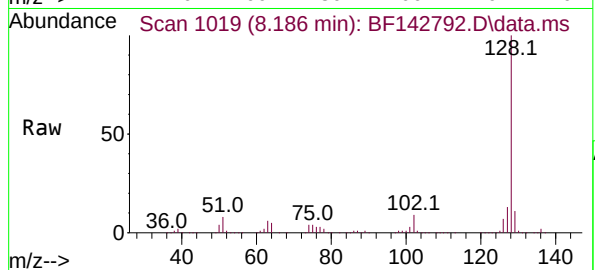
Tgt Ion:128 Resp: 584986

Ion Ratio Lower Upper

128 100

129 11.1 8.9 13.3

127 13.0 10.4 15.6



#32

Benzoic acid

Concen: 36.734 ng

RT: 7.922 min Scan# 974

Delta R.T. 0.000 min

Lab File: BF142792.D

Acq: 19 Jun 2025 19:09

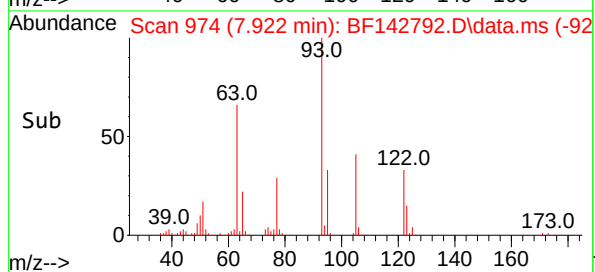
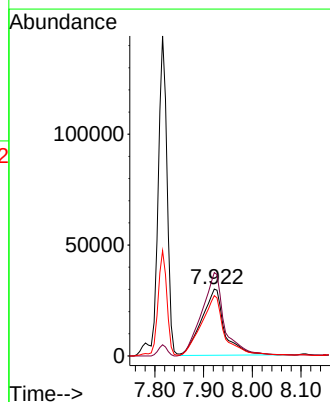
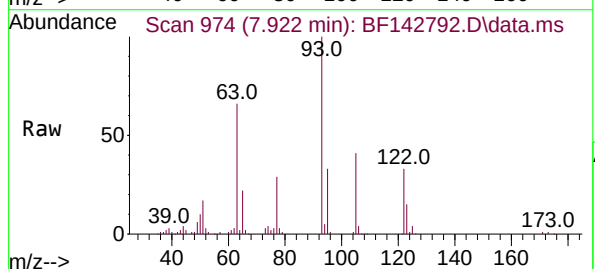
Tgt Ion:122 Resp: 98210

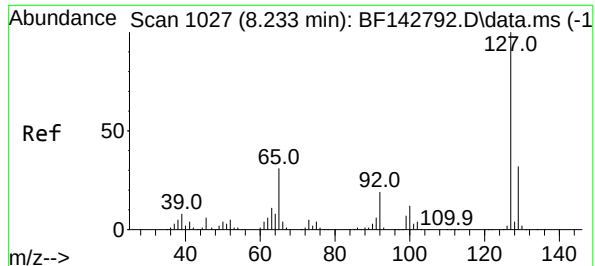
Ion Ratio Lower Upper

122 100

105 124.7 104.7 144.7

77 90.2 70.2 110.2





#33

4-Chloroaniline

Concen: 38.432 ng

RT: 8.233 min Scan# 1027

Delta R.T. 0.000 min

Lab File: BF142792.D

Acq: 19 Jun 2025 19:09

Instrument :

BNA_F

ClientSampleId :

SSTDICCC040

Tgt Ion:127 Resp: 237317

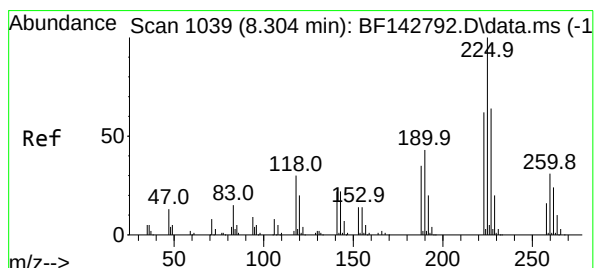
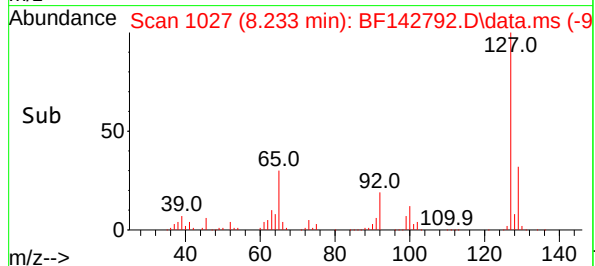
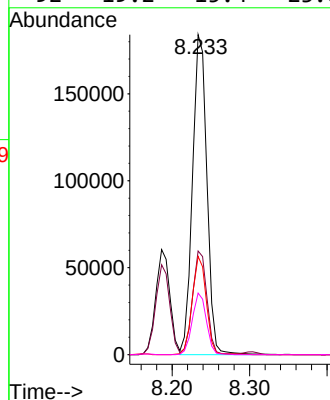
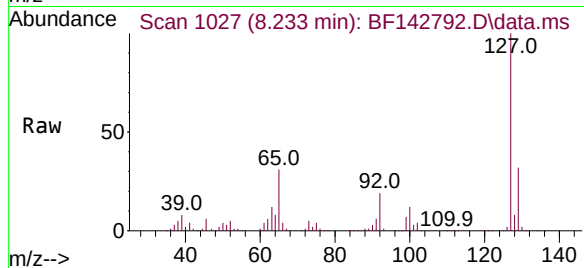
Ion Ratio Lower Upper

127 100

129 32.4 25.9 38.9

65 30.7 24.6 36.8

92 19.2 15.4 23.0



#34

Hexachlorobutadiene

Concen: 37.099 ng

RT: 8.304 min Scan# 1039

Delta R.T. 0.000 min

Lab File: BF142792.D

Acq: 19 Jun 2025 19:09

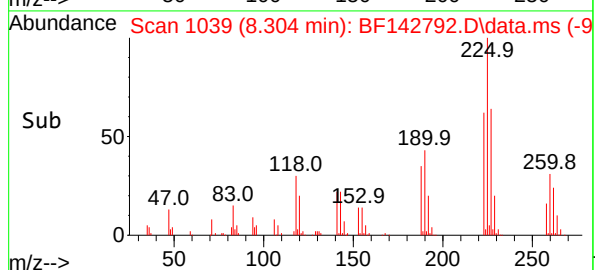
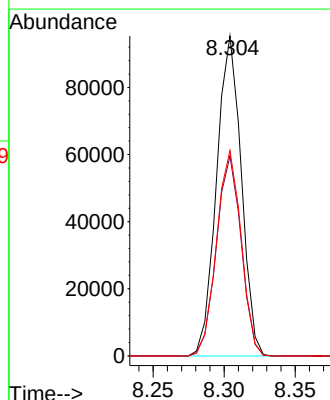
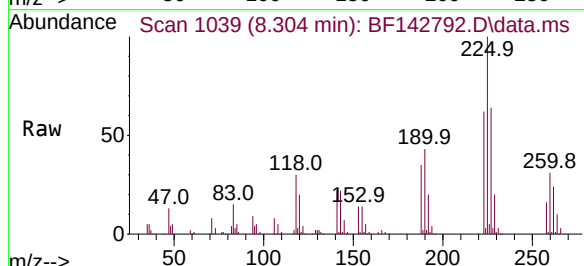
Tgt Ion:225 Resp: 115333

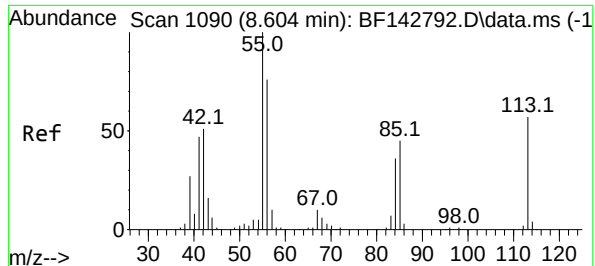
Ion Ratio Lower Upper

225 100

223 62.4 49.9 74.9

227 64.2 51.4 77.0

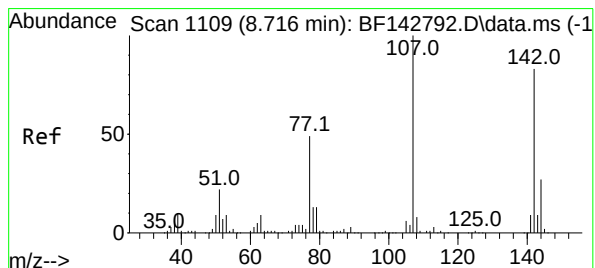
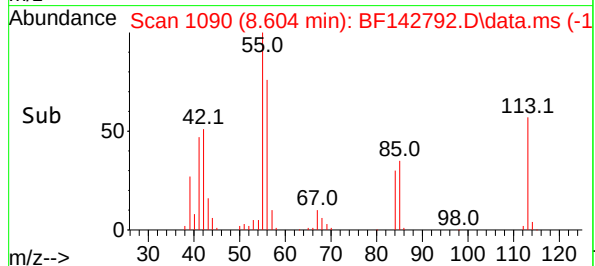
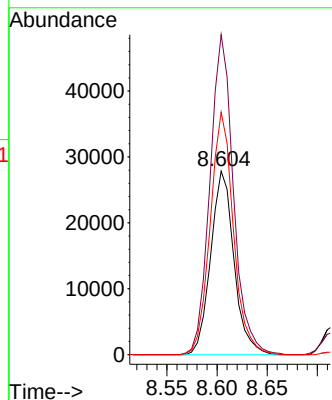
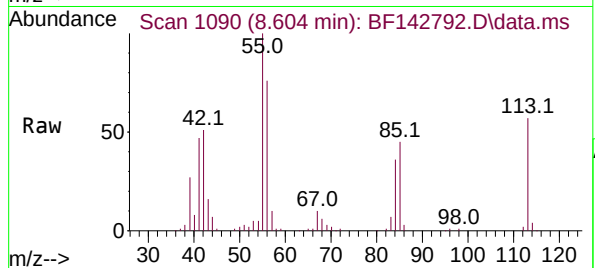




#35
Caprolactam
Concen: 37.583 ng
RT: 8.604 min Scan# 1090
Delta R.T. 0.000 min
Lab File: BF142792.D
Acq: 19 Jun 2025 19:09

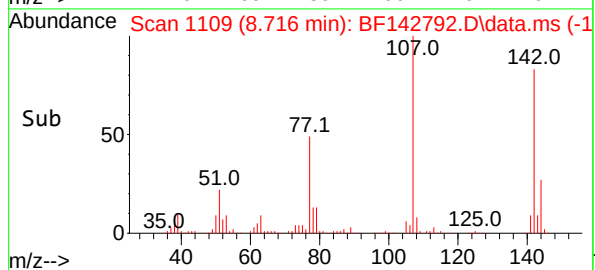
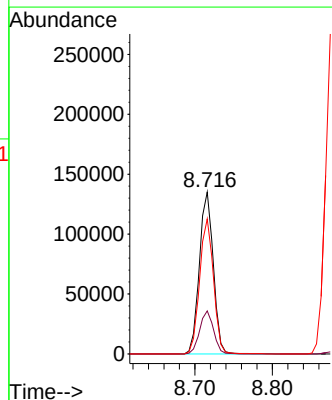
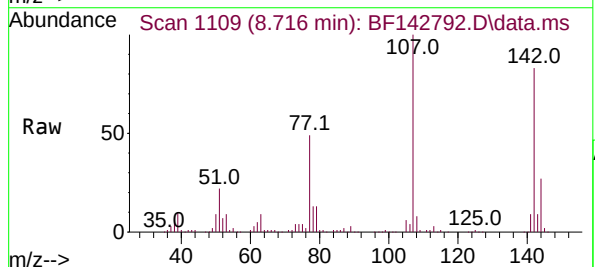
Instrument :
BNA_F
ClientSampleId :
SSTDICCC040

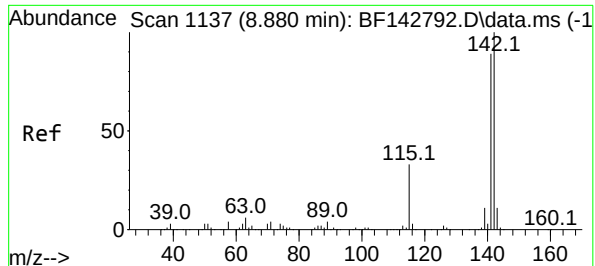
Tgt Ion:113 Resp: 44914
Ion Ratio Lower Upper
113 100
55 174.4 154.4 194.4
56 132.1 112.1 152.1



#36
4-Chloro-3-methylphenol
Concen: 36.695 ng
RT: 8.716 min Scan# 1109
Delta R.T. 0.000 min
Lab File: BF142792.D
Acq: 19 Jun 2025 19:09

Tgt Ion:107 Resp: 168353
Ion Ratio Lower Upper
107 100
144 26.6 21.3 31.9
142 83.3 66.6 100.0





#37

2-Methylnaphthalene

Concen: 37.313 ng

RT: 8.880 min Scan# 1137

Delta R.T. 0.000 min

Lab File: BF142792.D

Acq: 19 Jun 2025 19:09

Instrument :

BNA_F

ClientSampleId :

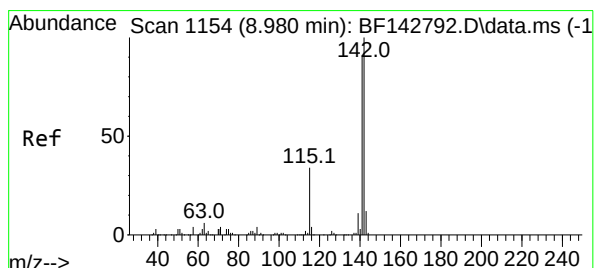
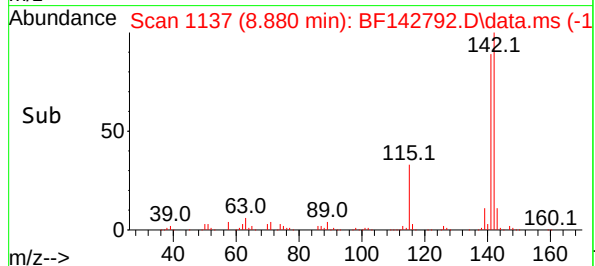
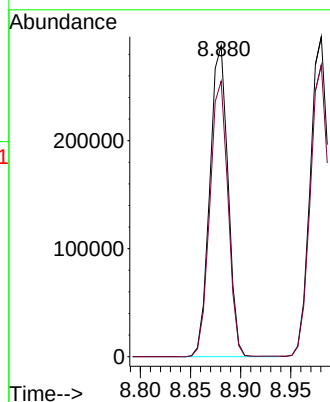
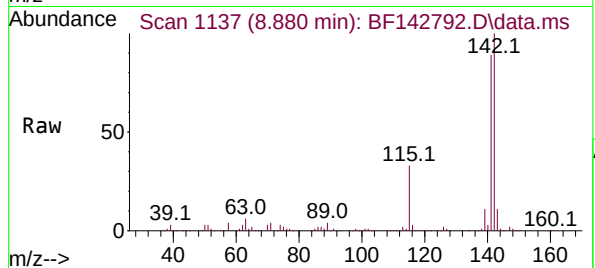
SSTDICCC040

Tgt Ion:142 Resp: 362692

Ion Ratio Lower Upper

142 100

141 88.6 70.9 106.3



#38

1-Methylnaphthalene

Concen: 37.143 ng

RT: 8.980 min Scan# 1154

Delta R.T. 0.000 min

Lab File: BF142792.D

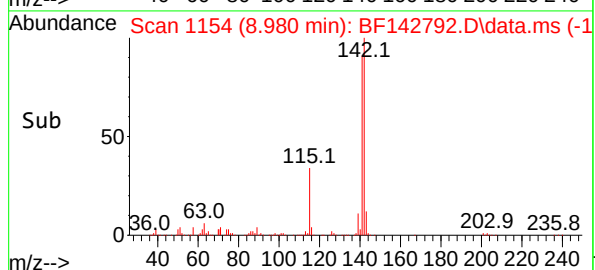
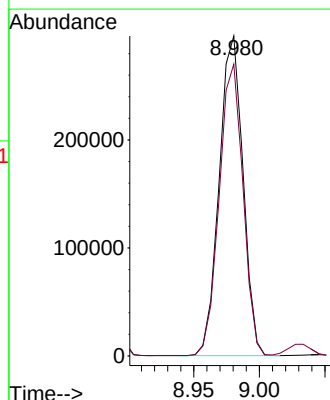
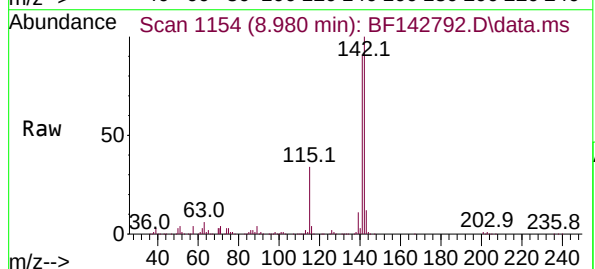
Acq: 19 Jun 2025 19:09

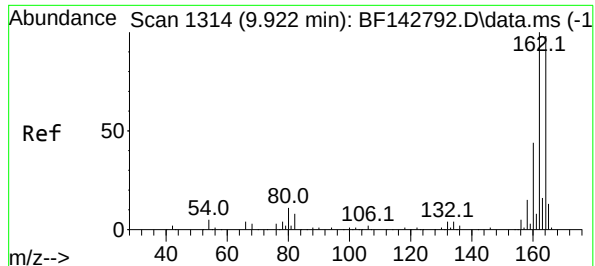
Tgt Ion:142 Resp: 374836

Ion Ratio Lower Upper

142 100

141 91.2 73.0 109.4





#39

Acenaphthene-d10

Concen: 20.000 ng

RT: 9.922 min Scan# 1314

Delta R.T. 0.000 min

Lab File: BF142792.D

Acq: 19 Jun 2025 19:09

Instrument :

BNA_F

ClientSampleId :

SSTDICCC040

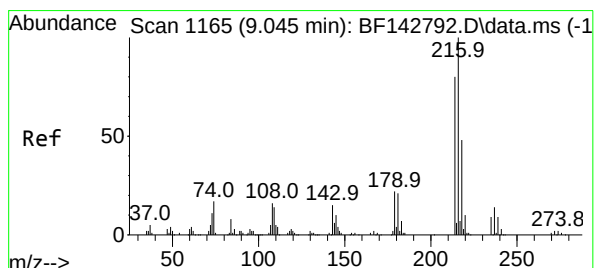
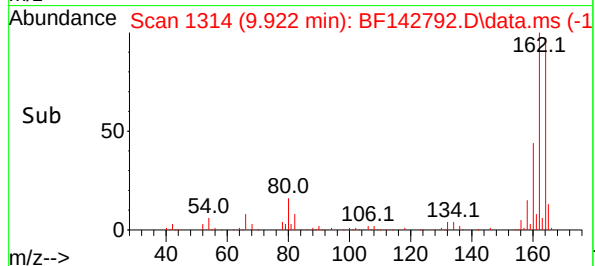
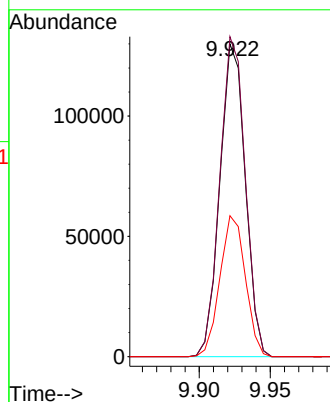
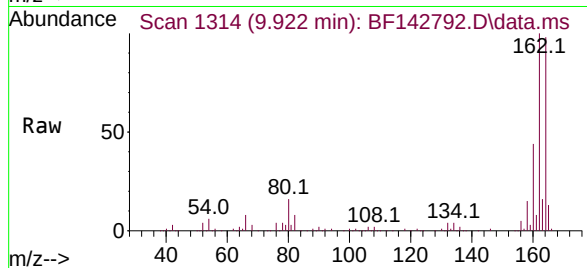
Tgt Ion:164 Resp: 161991

Ion	Ratio	Lower	Upper

164	100		

162	102.3	81.8	122.8

160	45.0	36.0	54.0



#40

1,2,4,5-Tetrachlorobenzene

Concen: 38.596 ng

RT: 9.045 min Scan# 1165

Delta R.T. 0.000 min

Lab File: BF142792.D

Acq: 19 Jun 2025 19:09

Tgt Ion:216 Resp: 180481

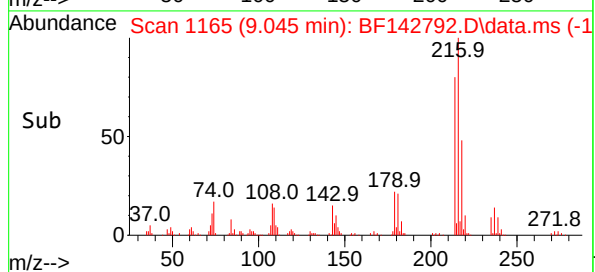
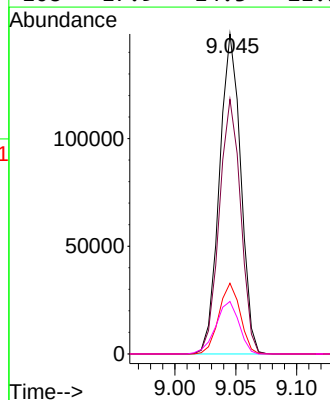
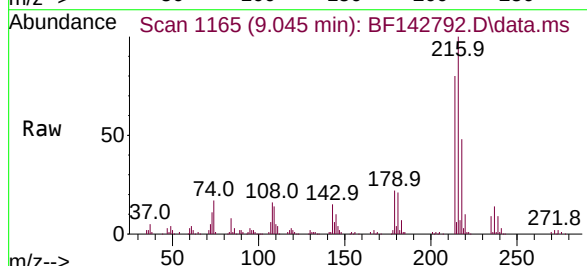
Ion	Ratio	Lower	Upper

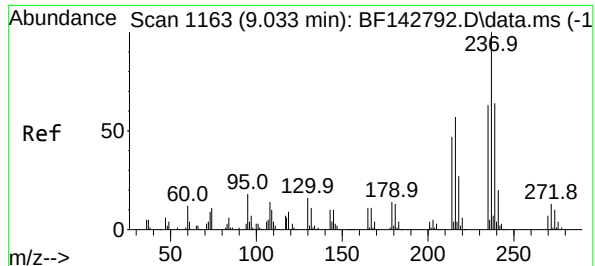
216	100		

214	79.6	63.7	95.5

179	22.0	17.6	26.4

108	17.9	14.3	21.5

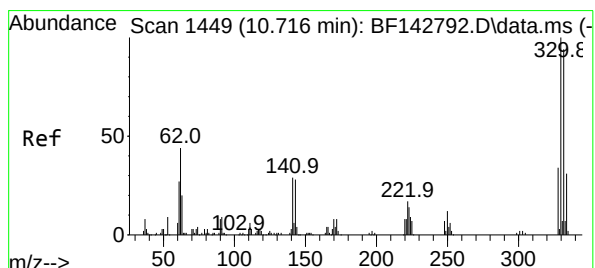
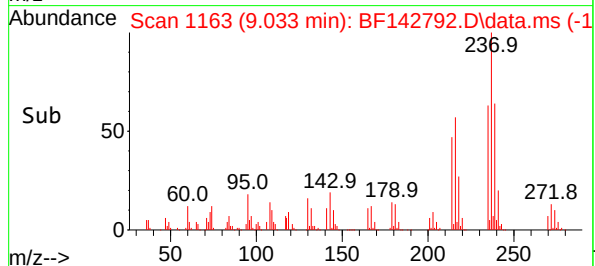
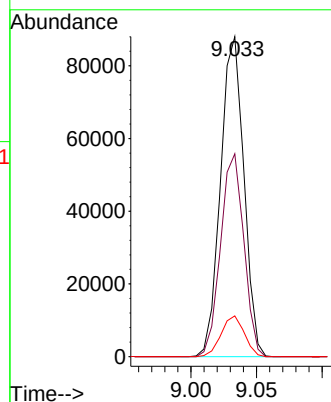
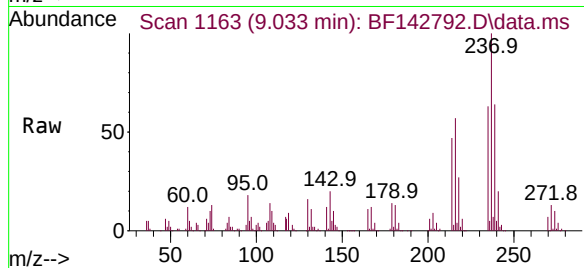




#41
Hexachlorocyclopentadiene
Concen: 36.863 ng
RT: 9.033 min Scan# 1163
Delta R.T. 0.000 min
Lab File: BF142792.D
Acq: 19 Jun 2025 19:09

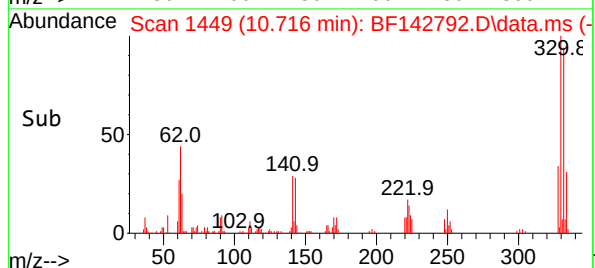
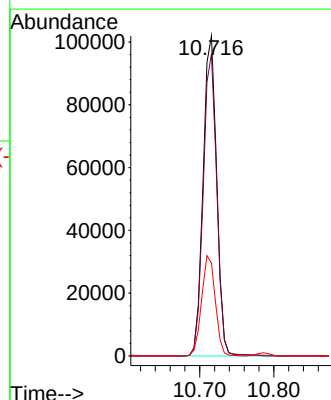
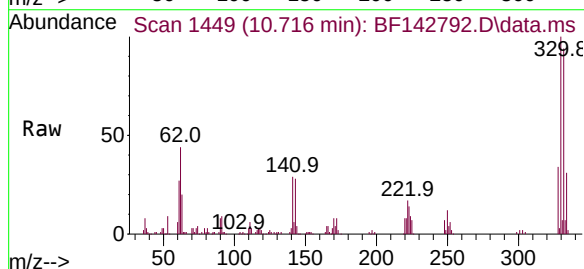
Instrument :
BNA_F
ClientSampleId :
SSTDICCC040

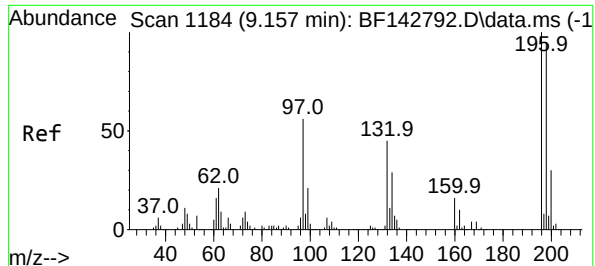
Tgt Ion:237 Resp: 108999
Ion Ratio Lower Upper
237 100
235 63.4 43.4 83.4
272 12.7 0.0 32.7



#42
2,4,6-Tribromophenol
Concen: 73.654 ng
RT: 10.716 min Scan# 1449
Delta R.T. 0.000 min
Lab File: BF142792.D
Acq: 19 Jun 2025 19:09

Tgt Ion:330 Resp: 129669
Ion Ratio Lower Upper
330 100
332 93.8 75.0 112.6
141 31.6 25.3 37.9





#43

2,4,6-Trichlorophenol

Concen: 39.129 ng

RT: 9.157 min Scan# 1184

Delta R.T. 0.000 min

Lab File: BF142792.D

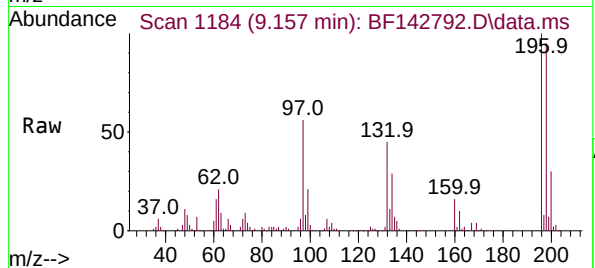
Acq: 19 Jun 2025 19:09

Instrument :

BNA_F

ClientSampleId :

SSTDICCC040



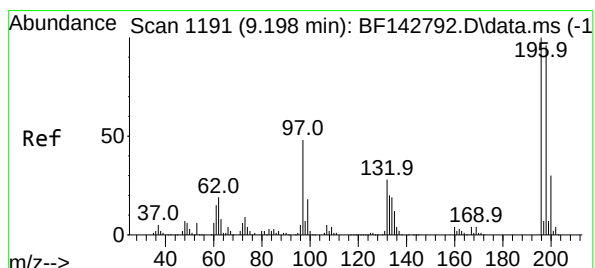
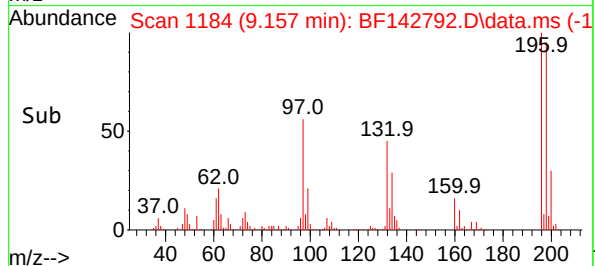
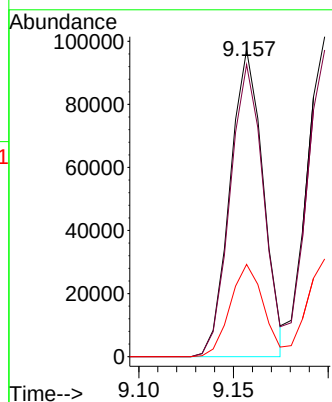
Tgt Ion:196 Resp: 118412

Ion Ratio Lower Upper

196 100

198 95.2 76.2 114.2

200 30.1 24.1 36.1



#44

2,4,5-Trichlorophenol

Concen: 38.774 ng

RT: 9.198 min Scan# 1191

Delta R.T. 0.000 min

Lab File: BF142792.D

Acq: 19 Jun 2025 19:09

Tgt Ion:196 Resp: 126712

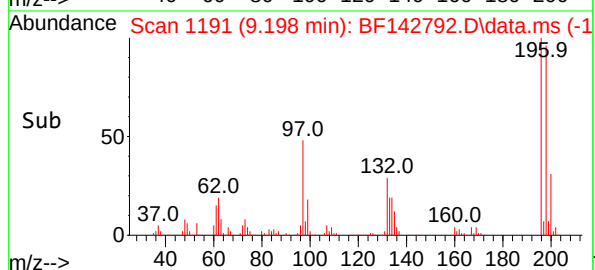
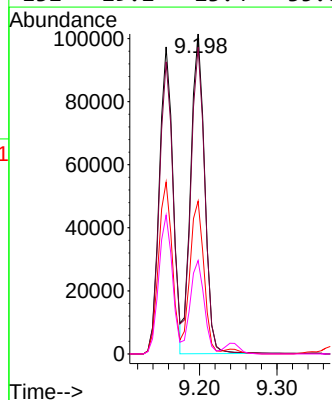
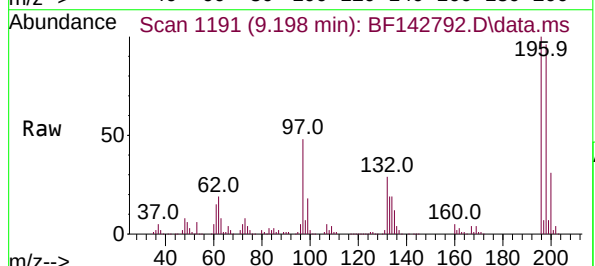
Ion Ratio Lower Upper

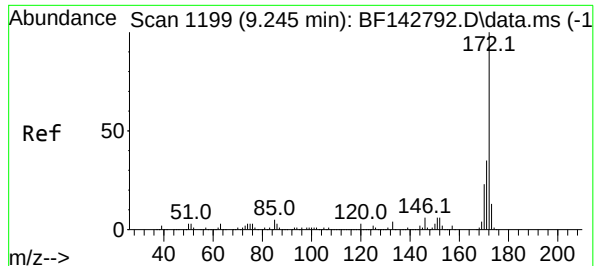
196 100

198 95.8 76.6 115.0

97 47.7 38.2 57.2

132 29.2 23.4 35.0





#45

2-Fluorobiphenyl

Concen: 76.120 ng

RT: 9.245 min Scan# 1199

Delta R.T. 0.000 min

Lab File: BF142792.D

Acq: 19 Jun 2025 19:09

Instrument :

BNA_F

ClientSampleId :

SSTDICCC040

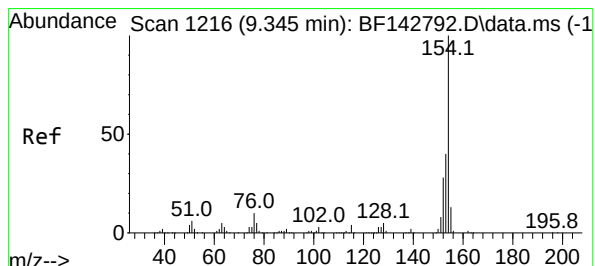
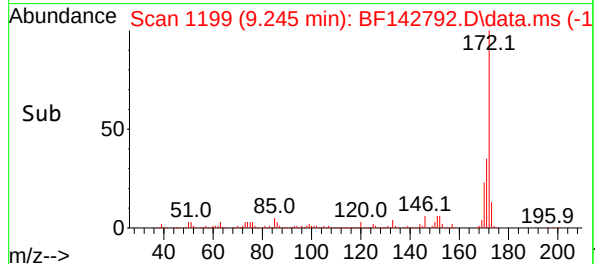
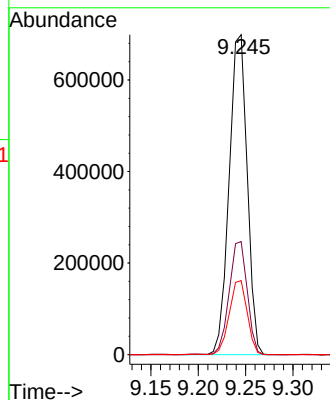
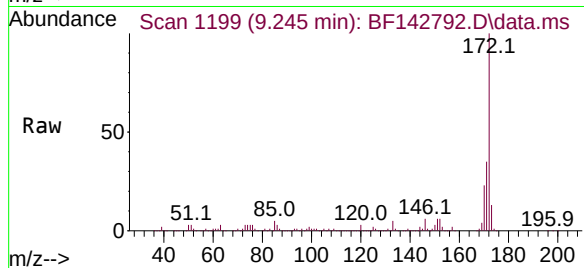
Tgt Ion:172 Resp: 926905

Ion Ratio Lower Upper

172 100

171 35.3 28.2 42.4

170 23.1 18.5 27.7



#46

1,1'-Biphenyl

Concen: 38.765 ng

RT: 9.345 min Scan# 1216

Delta R.T. 0.000 min

Lab File: BF142792.D

Acq: 19 Jun 2025 19:09

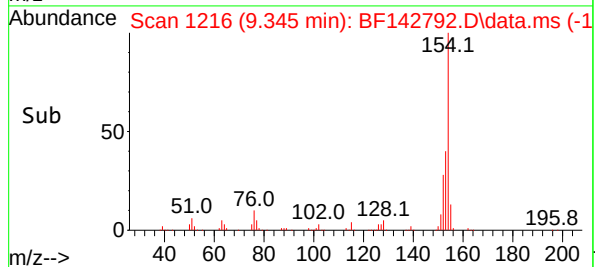
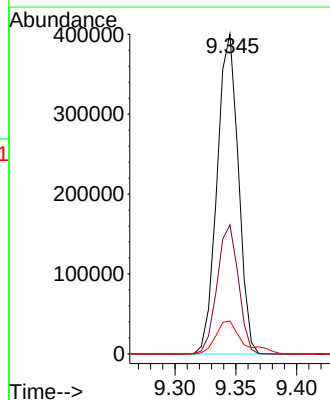
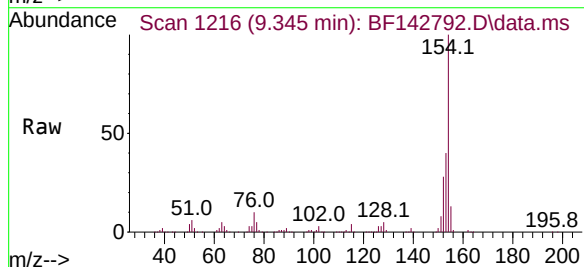
Tgt Ion:154 Resp: 487587

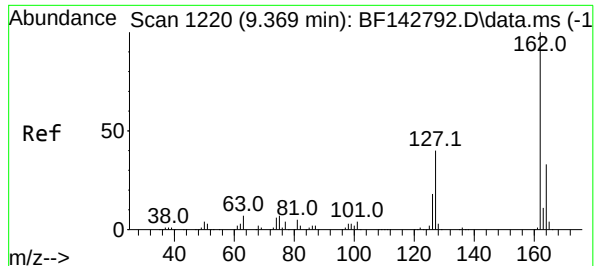
Ion Ratio Lower Upper

154 100

153 40.3 20.3 60.3

76 10.3 0.0 30.3





#47

2-Chloronaphthalene

Concen: 39.408 ng

RT: 9.369 min Scan# 1220

Delta R.T. 0.000 min

Lab File: BF142792.D

Acq: 19 Jun 2025 19:09

Instrument :

BNA_F

ClientSampleId :

SSTDICCC040

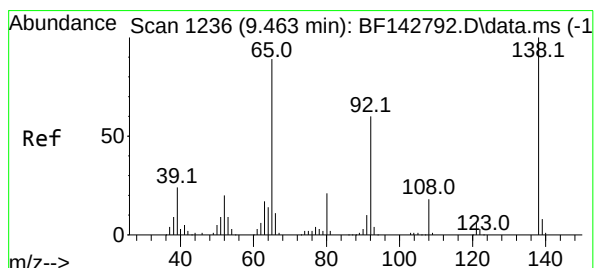
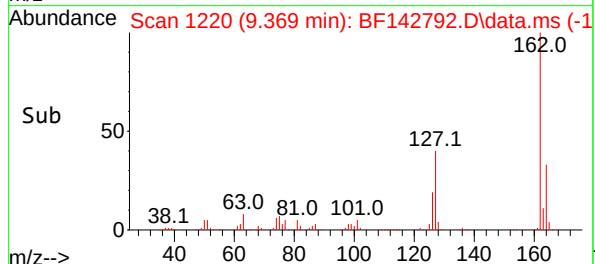
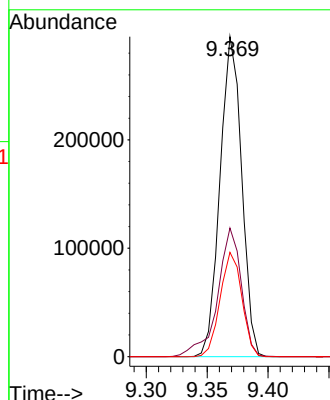
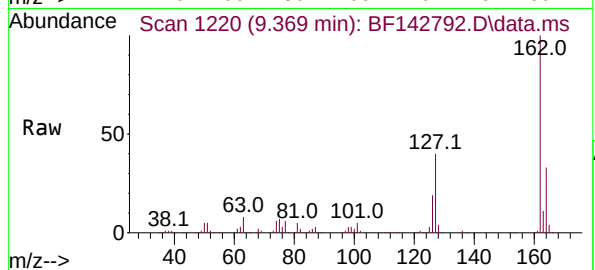
Tgt Ion:162 Resp: 365760

Ion Ratio Lower Upper

162 100

127 40.2 32.2 48.2

164 32.6 26.1 39.1



#48

2-Nitroaniline

Concen: 39.858 ng

RT: 9.463 min Scan# 1236

Delta R.T. 0.000 min

Lab File: BF142792.D

Acq: 19 Jun 2025 19:09

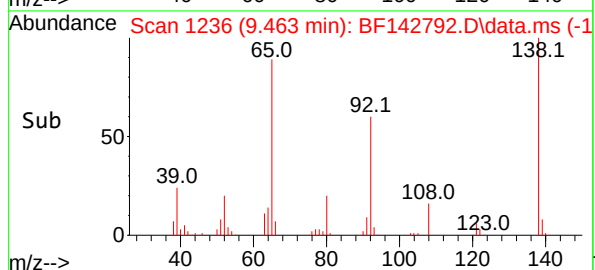
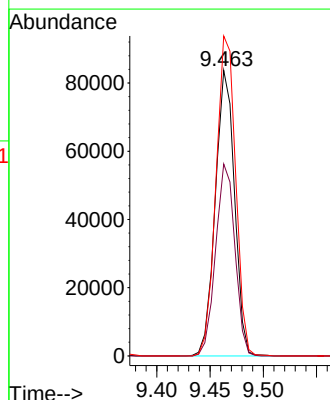
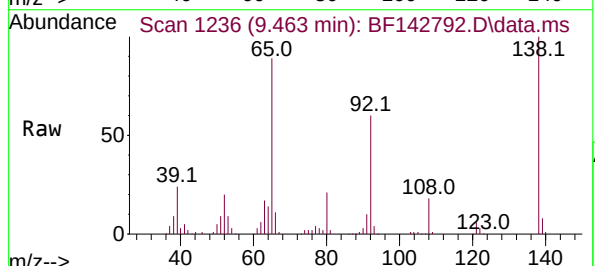
Tgt Ion: 65 Resp: 105098

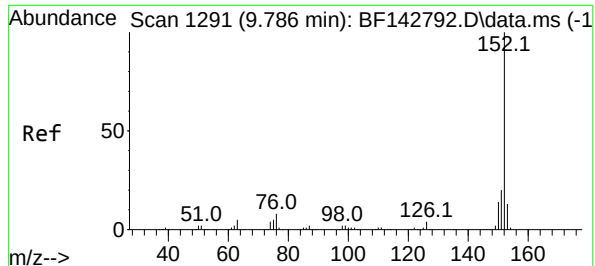
Ion Ratio Lower Upper

65 100

92 67.2 53.8 80.6

138 112.0 89.6 134.4





#49

Acenaphthylene

Concen: 38.649 ng

RT: 9.786 min Scan# 1291

Delta R.T. 0.000 min

Lab File: BF142792.D

Acq: 19 Jun 2025 19:09

Instrument :

BNA_F

ClientSampleId :

SSTDICCC040

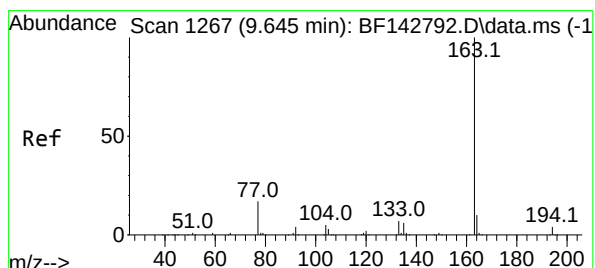
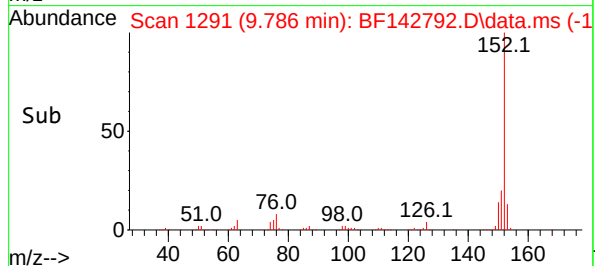
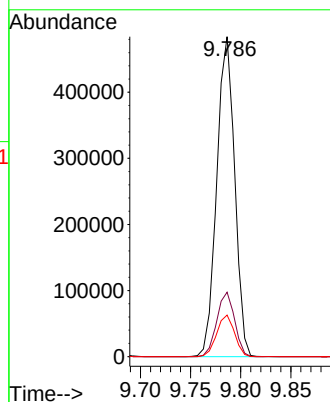
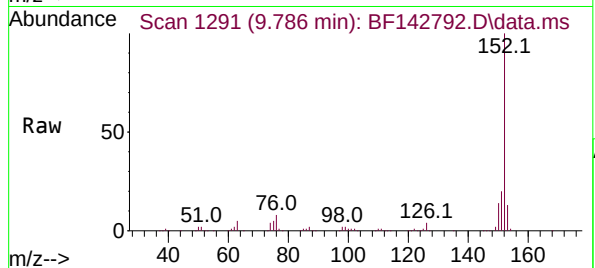
Tgt Ion:152 Resp: 603057

Ion Ratio Lower Upper

152 100

151 20.1 16.1 24.1

153 13.0 10.4 15.6



#50

Dimethylphthalate

Concen: 37.038 ng

RT: 9.645 min Scan# 1267

Delta R.T. 0.000 min

Lab File: BF142792.D

Acq: 19 Jun 2025 19:09

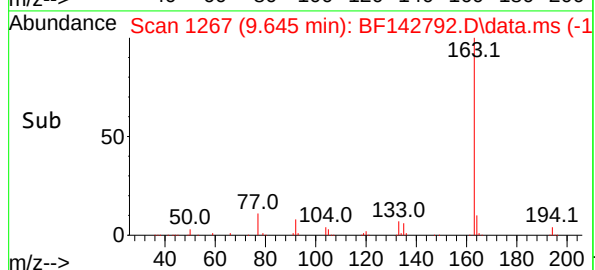
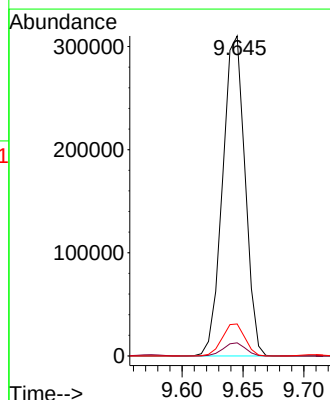
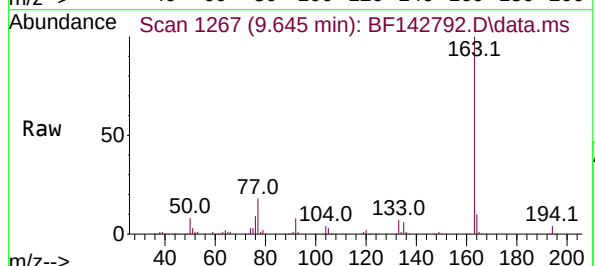
Tgt Ion:163 Resp: 397980

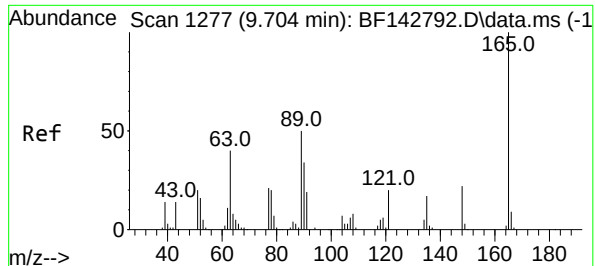
Ion Ratio Lower Upper

163 100

194 4.1 3.3 4.9

164 10.0 8.0 12.0





#51

2,6-Dinitrotoluene

Concen: 38.557 ng

RT: 9.704 min Scan# 1277

Delta R.T. 0.000 min

Lab File: BF142792.D

Acq: 19 Jun 2025 19:09

Instrument :

BNA_F

ClientSampleId :

SSTDICCC040

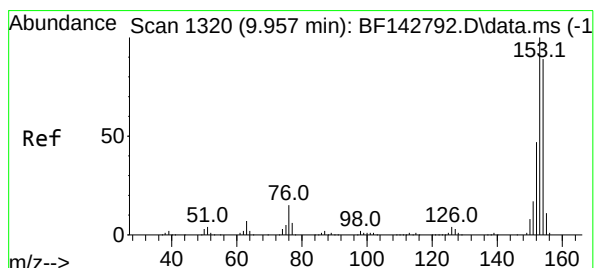
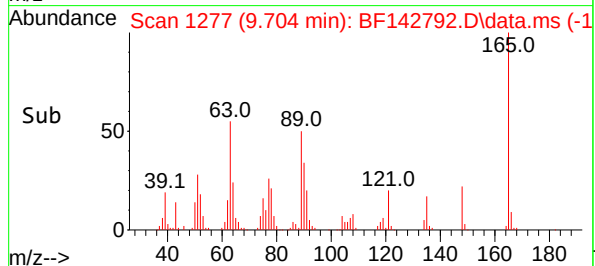
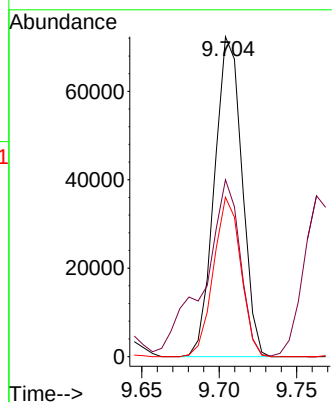
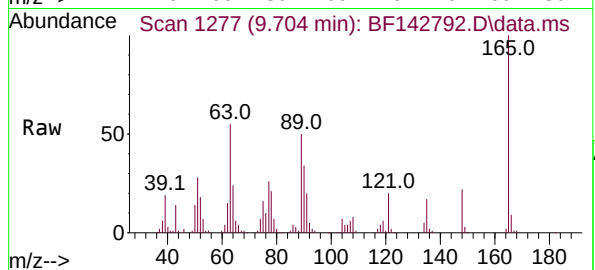
Tgt Ion:165 Resp: 89811

Ion Ratio Lower Upper

165 100

63 55.3 44.2 66.4

89 49.8 39.8 59.8



#52

Acenaphthene

Concen: 38.310 ng

RT: 9.957 min Scan# 1320

Delta R.T. 0.000 min

Lab File: BF142792.D

Acq: 19 Jun 2025 19:09

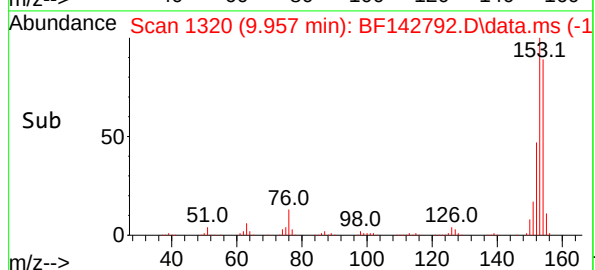
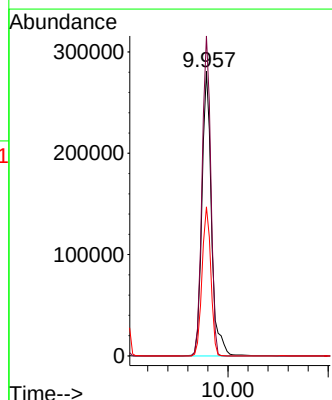
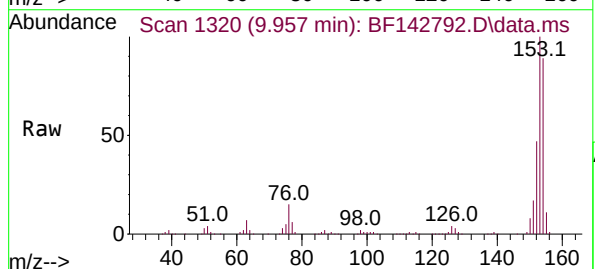
Tgt Ion:154 Resp: 369889

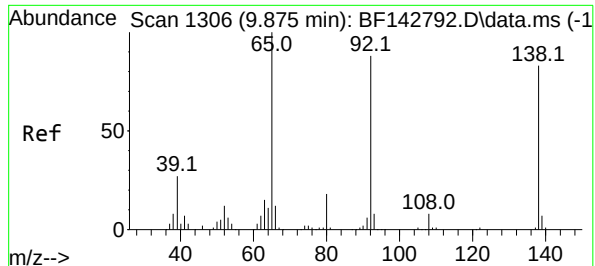
Ion Ratio Lower Upper

154 100

153 112.5 90.0 135.0

152 52.4 41.9 62.9

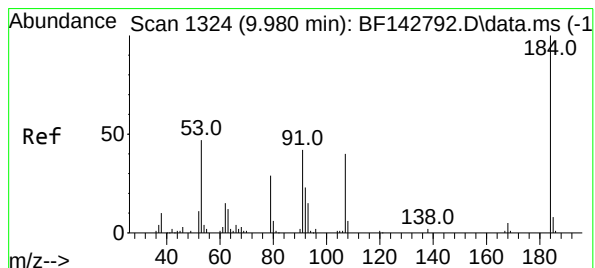
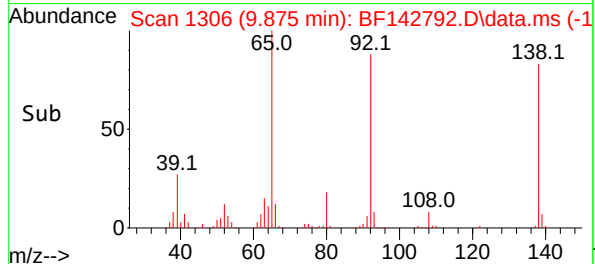
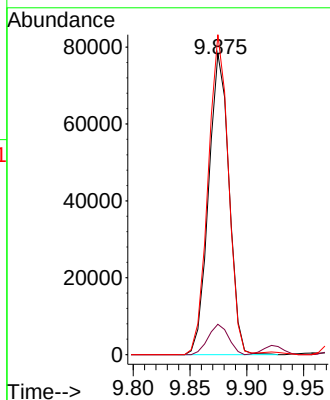
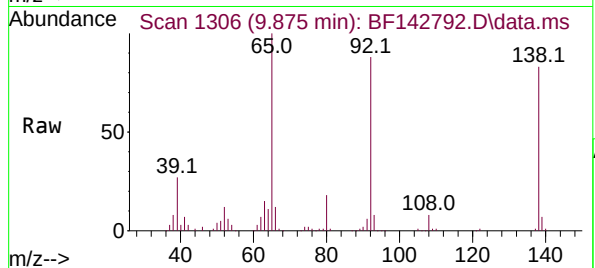




#53
3-Nitroaniline
Concen: 38.714 ng
RT: 9.875 min Scan# 1306
Delta R.T. 0.000 min
Lab File: BF142792.D
Acq: 19 Jun 2025 19:09

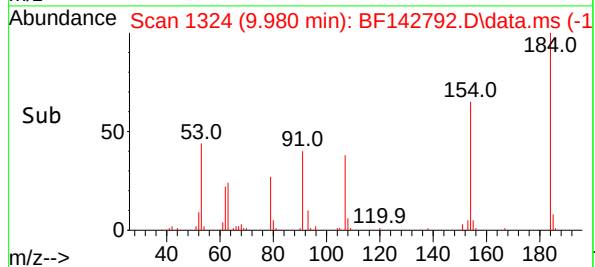
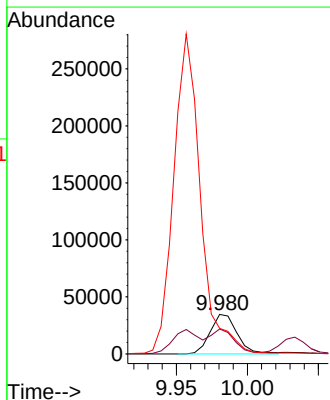
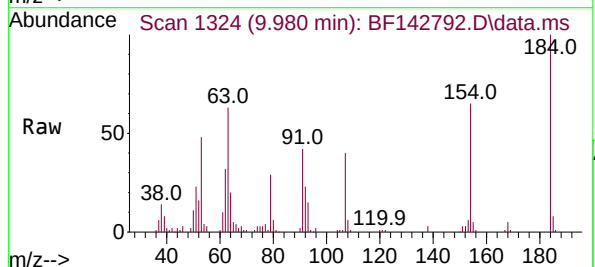
Instrument :
BNA_F
ClientSampleId :
SSTDICCC040

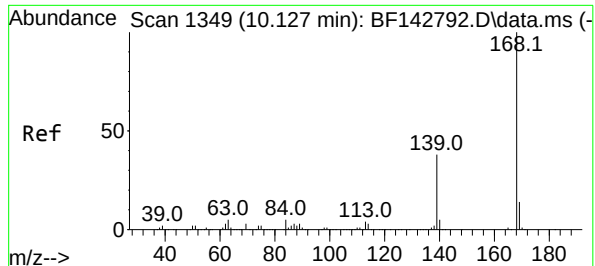
Tgt Ion	Ratio	Lower	Upper
138	100		
108	10.1	8.1	12.1
92	106.4	85.1	127.7



#54
2,4-Dinitrophenol
Concen: 36.494 ng
RT: 9.980 min Scan# 1324
Delta R.T. 0.000 min
Lab File: BF142792.D
Acq: 19 Jun 2025 19:09

Tgt Ion	Ratio	Lower	Upper
184	100		
63	63.2	50.6	75.8
154	64.8	51.8	77.8





#55

Dibenzofuran

Concen: 38.235 ng

RT: 10.127 min Scan# 1349

Delta R.T. 0.000 min

Lab File: BF142792.D

Acq: 19 Jun 2025 19:09

Instrument :

BNA_F

ClientSampleId :

SSTDICCC040

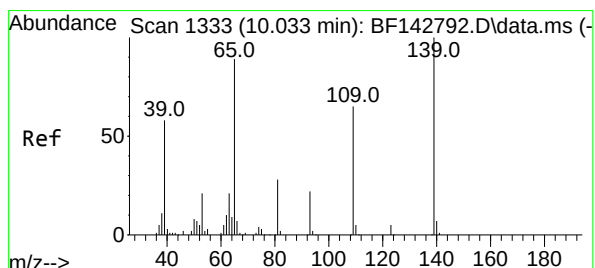
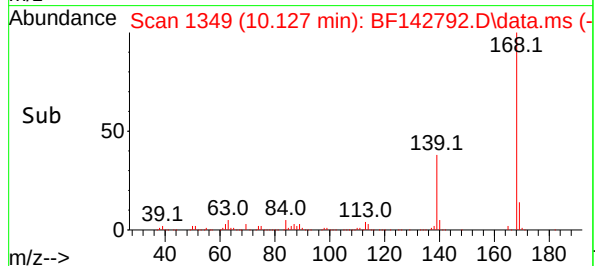
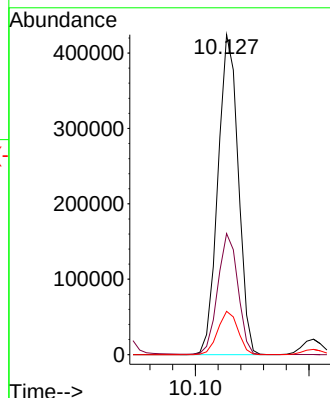
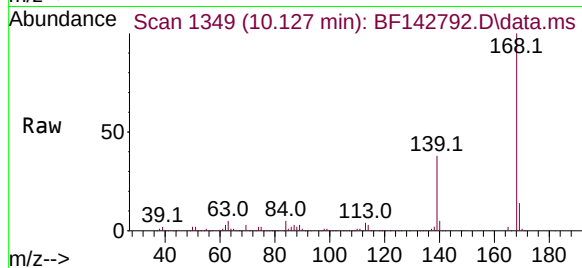
Tgt Ion:168 Resp: 526718

Ion Ratio Lower Upper

168 100

139 37.8 30.2 45.4

169 13.5 10.8 16.2



#56

4-Nitrophenol

Concen: 39.230 ng

RT: 10.033 min Scan# 1333

Delta R.T. 0.000 min

Lab File: BF142792.D

Acq: 19 Jun 2025 19:09

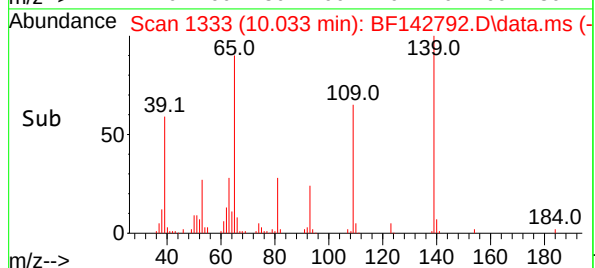
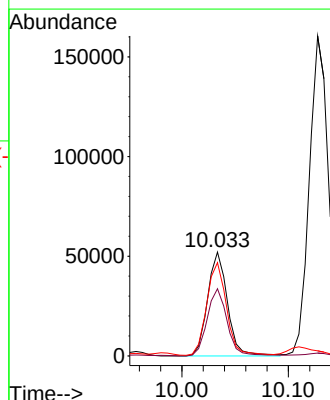
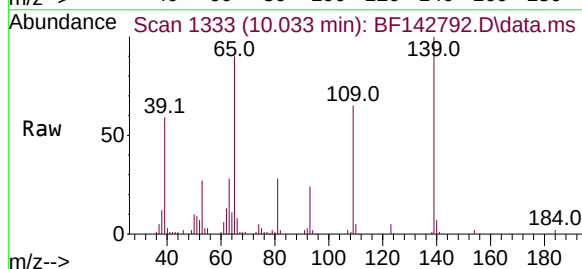
Tgt Ion:139 Resp: 67375

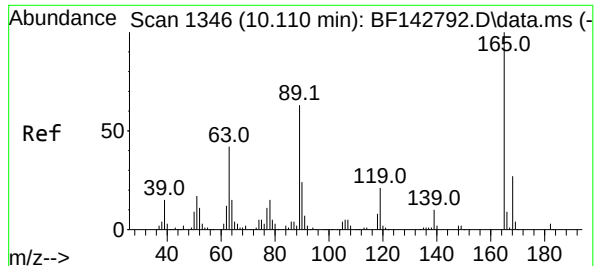
Ion Ratio Lower Upper

139 100

109 64.7 44.7 84.7

65 89.8 69.8 109.8

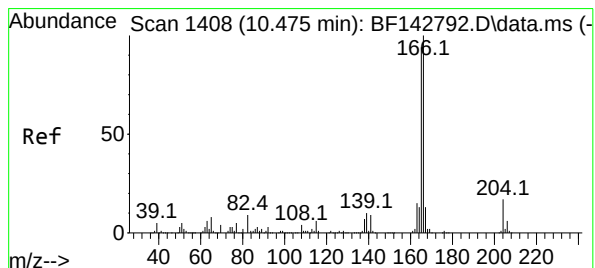
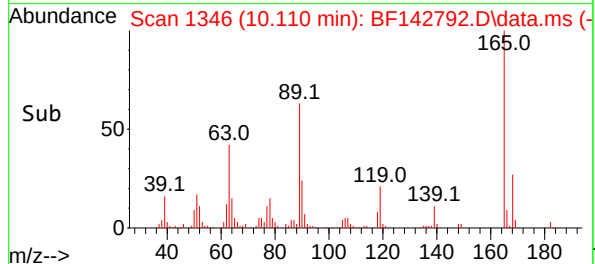
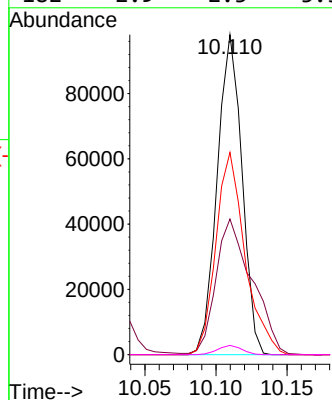
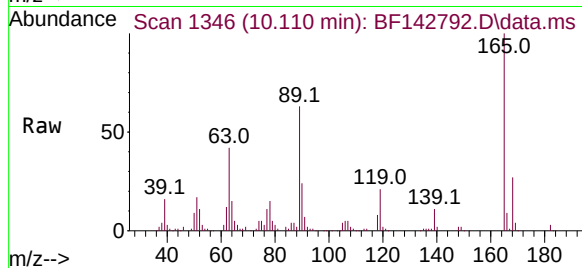




#57
2,4-Dinitrotoluene
Concen: 38.644 ng
RT: 10.110 min Scan# 1346
Delta R.T. 0.000 min
Lab File: BF142792.D
Acq: 19 Jun 2025 19:09

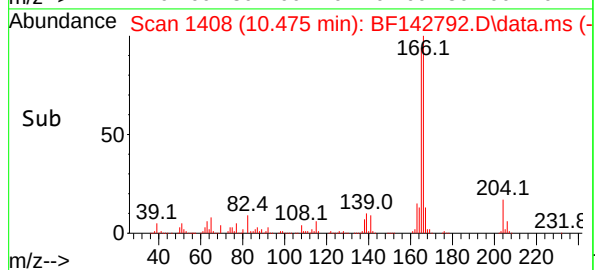
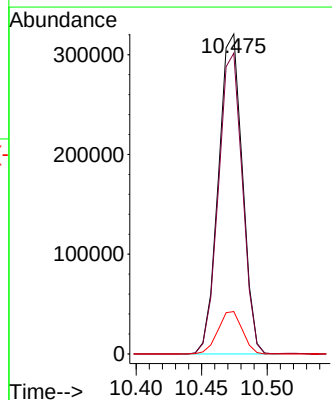
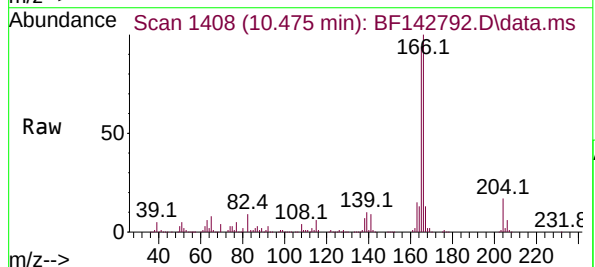
Instrument :
BNA_F
ClientSampleId :
SSTDICCC040

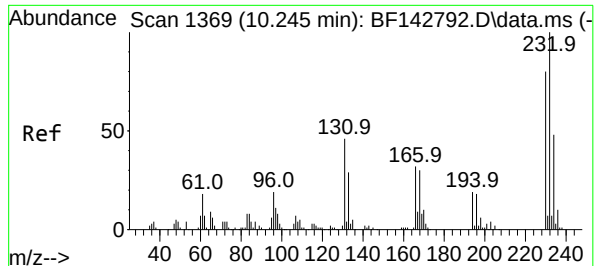
Tgt Ion:165 Resp: 119021
Ion Ratio Lower Upper
165 100
63 42.4 33.9 50.9
89 63.2 50.6 75.8
182 2.9 2.3 3.5



#58
Fluorene
Concen: 37.535 ng
RT: 10.475 min Scan# 1408
Delta R.T. 0.000 min
Lab File: BF142792.D
Acq: 19 Jun 2025 19:09

Tgt Ion:166 Resp: 408102
Ion Ratio Lower Upper
166 100
165 94.0 75.2 112.8
167 13.2 10.6 15.8

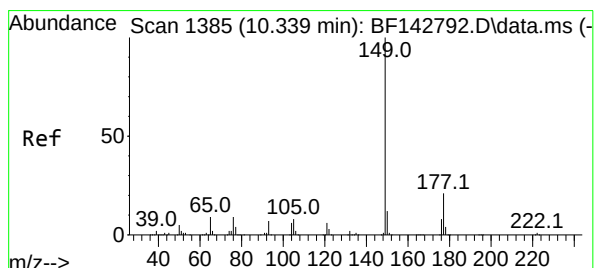
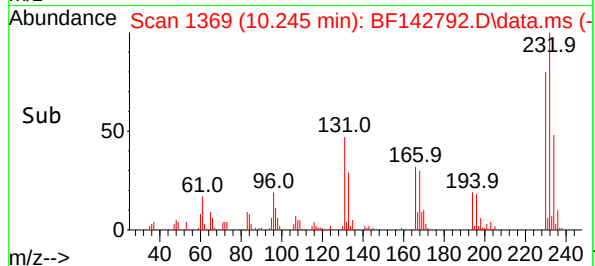
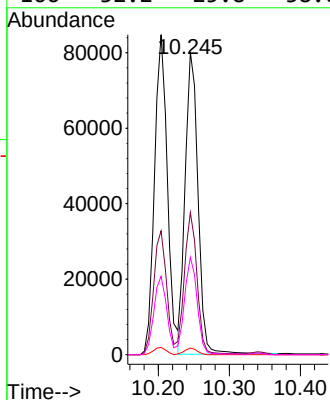
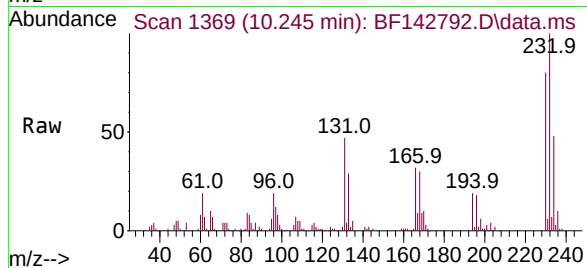




#59
2,3,4,6-Tetrachlorophenol
Concen: 36.847 ng
RT: 10.245 min Scan# 1369
Delta R.T. 0.000 min
Lab File: BF142792.D
Acq: 19 Jun 2025 19:09

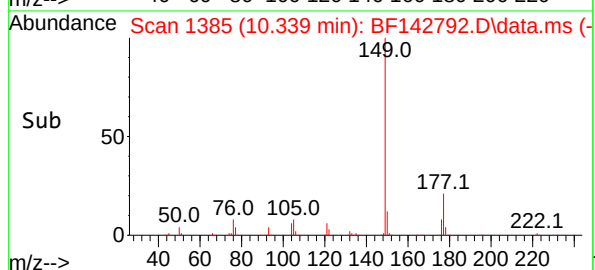
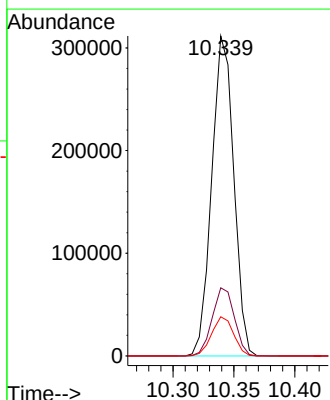
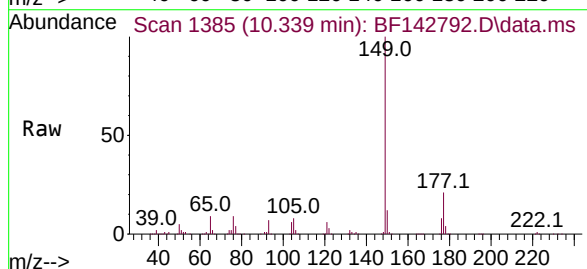
Instrument :
BNA_F
ClientSampleId :
SSTDICCC040

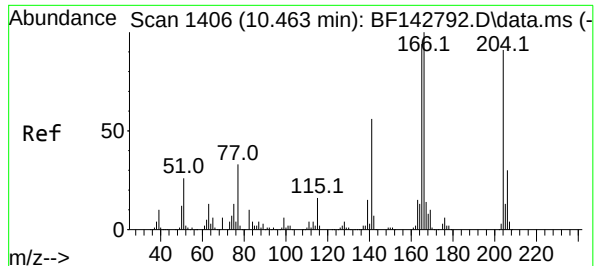
Tgt Ion:232 Resp: 100957
Ion Ratio Lower Upper
232 100
131 47.0 37.6 56.4
130 2.1 1.7 2.5
166 32.2 25.8 38.6



#60
Diethylphthalate
Concen: 36.752 ng
RT: 10.339 min Scan# 1385
Delta R.T. 0.000 min
Lab File: BF142792.D
Acq: 19 Jun 2025 19:09

Tgt Ion:149 Resp: 392278
Ion Ratio Lower Upper
149 100
177 21.3 17.0 25.6
150 12.2 9.8 14.6

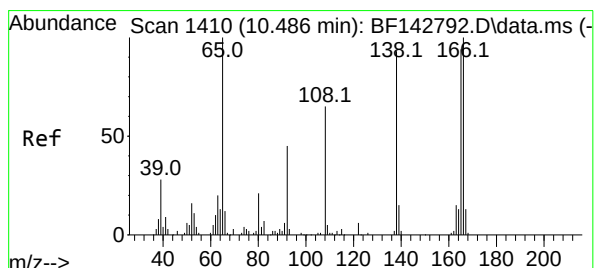
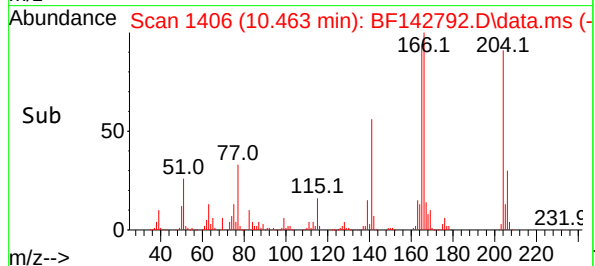
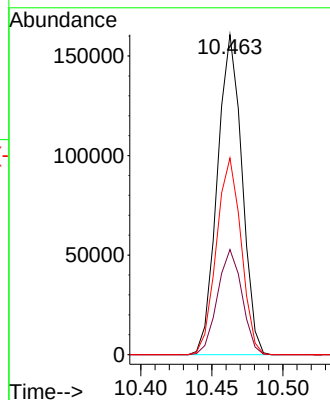
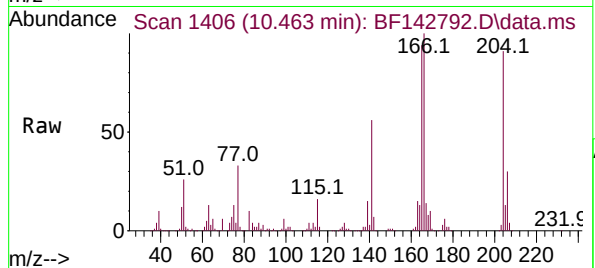




#61
4-Chlorophenyl-phenylether
Concen: 36.726 ng
RT: 10.463 min Scan# 1406
Delta R.T. 0.000 min
Lab File: BF142792.D
Acq: 19 Jun 2025 19:09

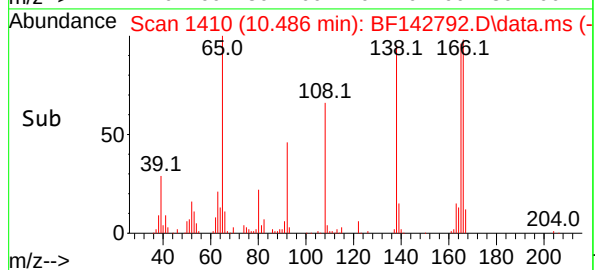
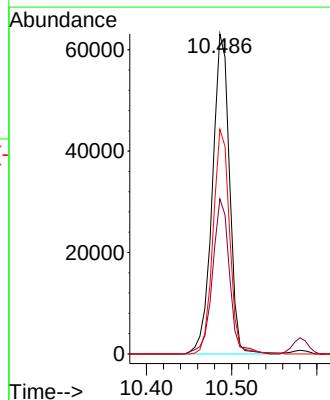
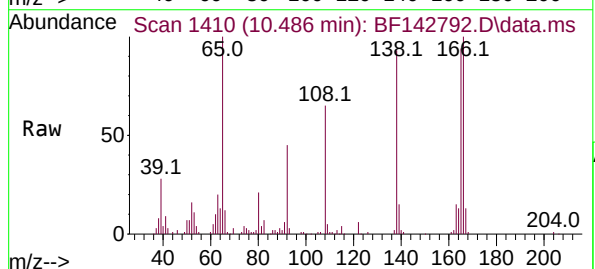
Instrument :
BNA_F
ClientSampleId :
SSTDICCC040

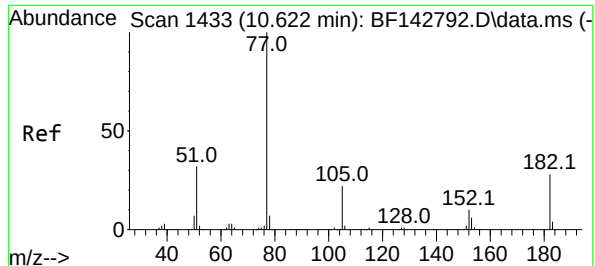
Tgt Ion:204 Resp: 193928
Ion Ratio Lower Upper
204 100
206 32.9 26.3 39.5
141 61.4 49.1 73.7



#62
4-Nitroaniline
Concen: 38.806 ng
RT: 10.486 min Scan# 1410
Delta R.T. 0.000 min
Lab File: BF142792.D
Acq: 19 Jun 2025 19:09

Tgt Ion:138 Resp: 88142
Ion Ratio Lower Upper
138 100
92 48.4 28.4 68.4
108 70.2 50.2 90.2

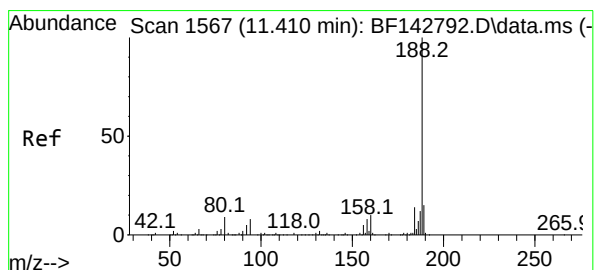
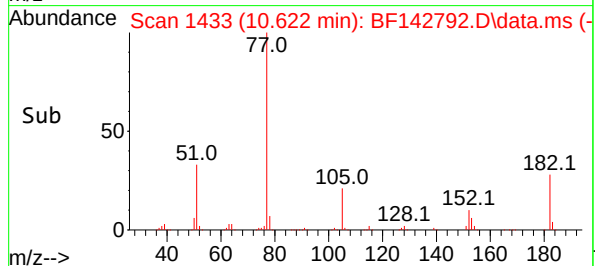
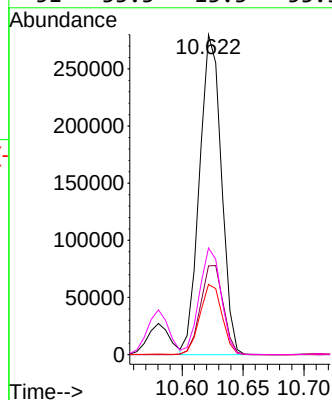
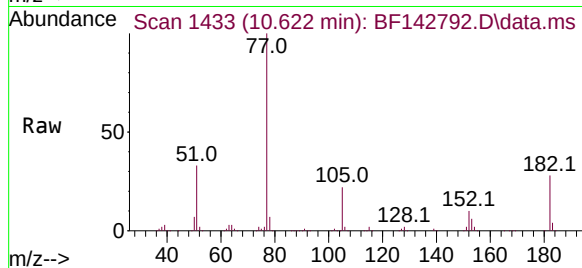




#63
Azobenzene
Concen: 37.534 ng
RT: 10.622 min Scan# 1433
Delta R.T. 0.000 min
Lab File: BF142792.D
Acq: 19 Jun 2025 19:09

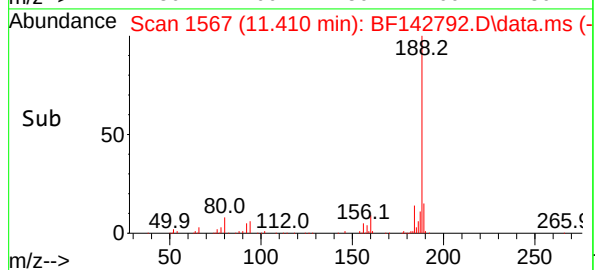
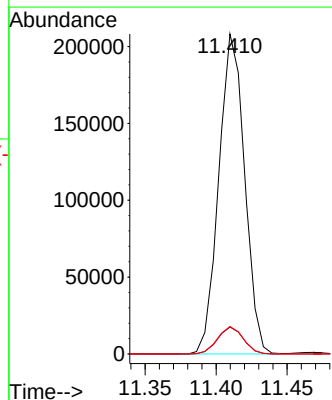
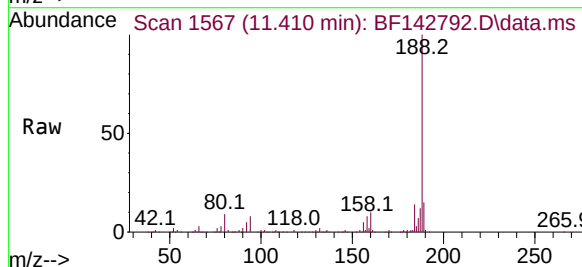
Instrument :
BNA_F
ClientSampleId :
SSTDICCC040

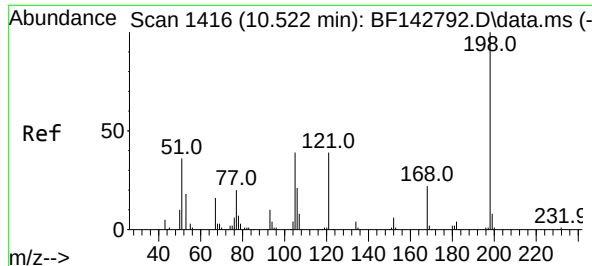
Tgt Ion	Ratio	Lower	Upper
77	100		
182	27.7	7.7	47.7
105	21.9	1.9	41.9
51	33.3	13.3	53.3



#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.410 min Scan# 1567
Delta R.T. 0.000 min
Lab File: BF142792.D
Acq: 19 Jun 2025 19:09

Tgt Ion	Ratio	Lower	Upper
188	100		
94	8.4	6.7	10.1
80	8.6	6.9	10.3

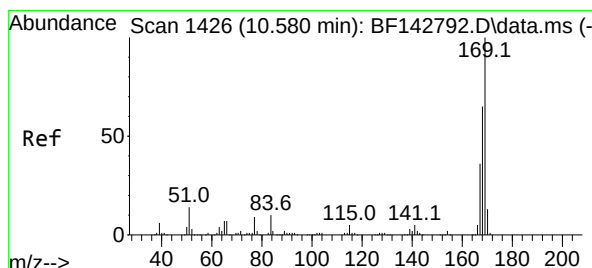
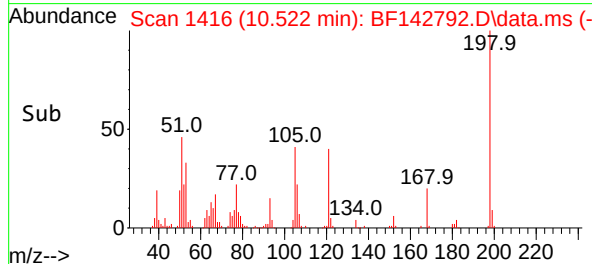
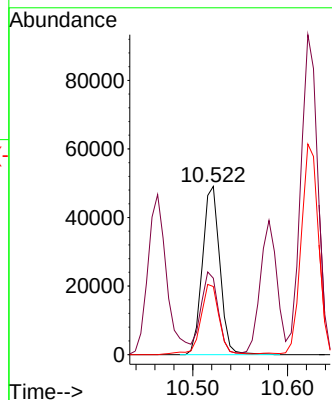
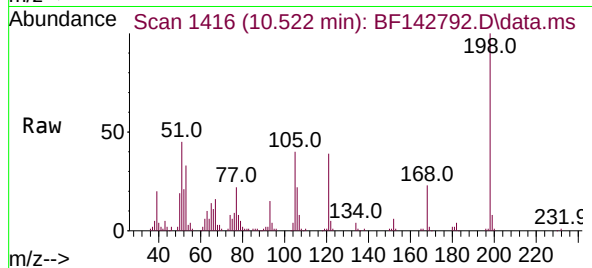




#65
4,6-Dinitro-2-methylphenol
Concen: 38.375 ng
RT: 10.522 min Scan# 1416
Delta R.T. 0.000 min
Lab File: BF142792.D
Acq: 19 Jun 2025 19:09

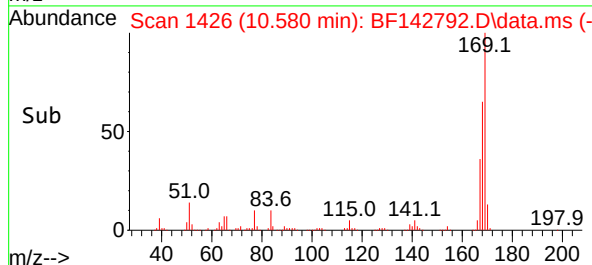
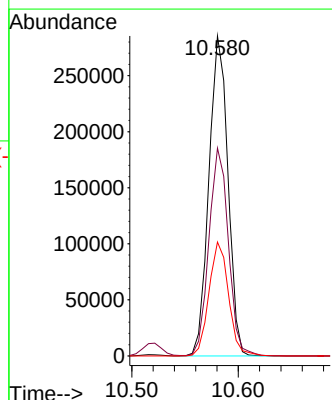
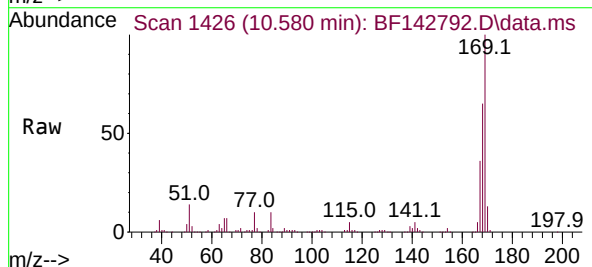
Instrument :
BNA_F
ClientSampleId :
SSTDICCC040

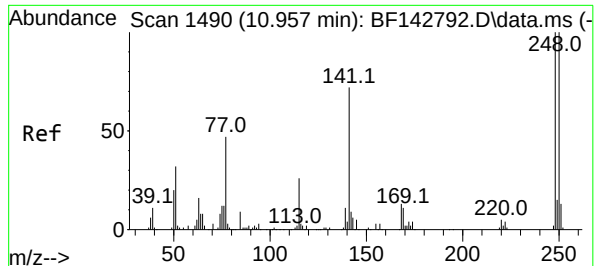
Tgt Ion	Ratio	Lower	Upper
198	100		
51	45.4	25.4	65.4
105	40.4	20.4	60.4



#66
n-Nitrosodiphenylamine
Concen: 39.014 ng
RT: 10.580 min Scan# 1426
Delta R.T. 0.000 min
Lab File: BF142792.D
Acq: 19 Jun 2025 19:09

Tgt Ion	Ratio	Lower	Upper
169	100		
168	64.9	51.9	77.9
167	35.6	28.5	42.7

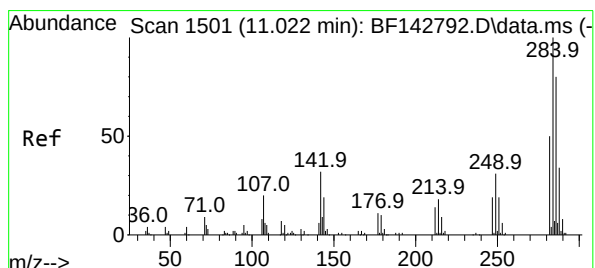
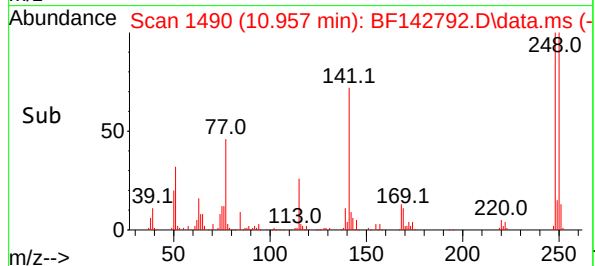
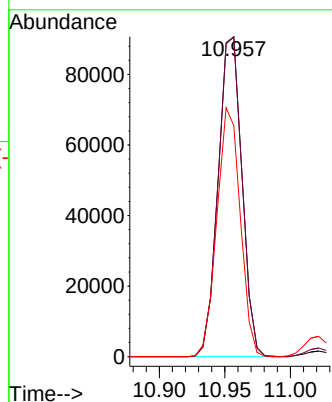
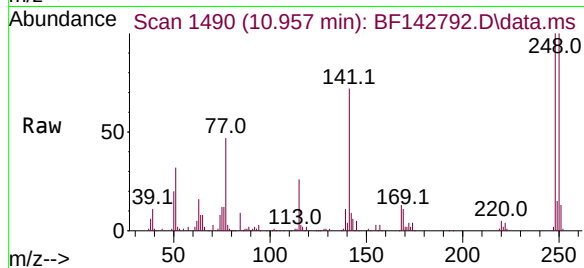




#67
4-Bromophenyl-phenylether
Concen: 37.246 ng
RT: 10.957 min Scan# 1490
Delta R.T. 0.000 min
Lab File: BF142792.D
Acq: 19 Jun 2025 19:09

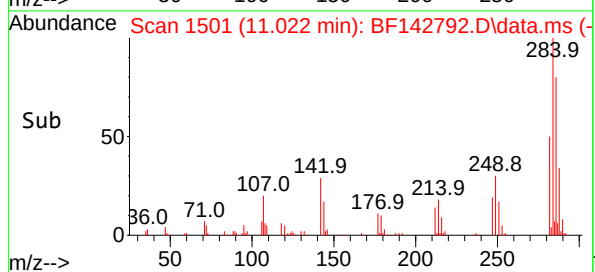
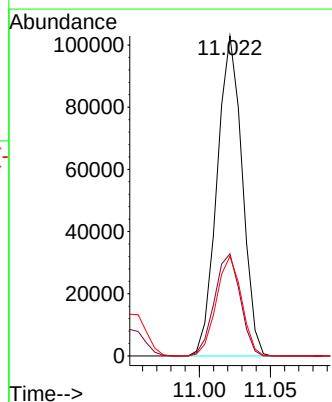
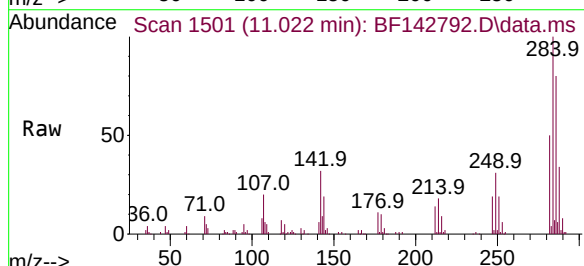
Instrument :
BNA_F
ClientSampleId :
SSTDICCC040

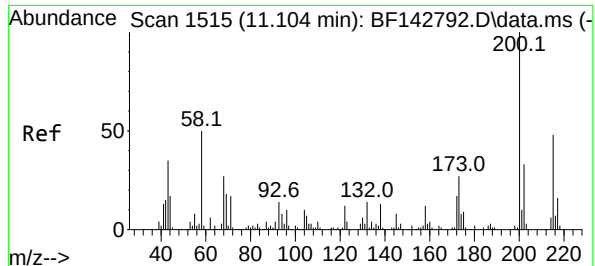
Tgt Ion:248 Resp: 114874
Ion Ratio Lower Upper
248 100
250 99.8 79.8 119.8
141 72.2 57.8 86.6



#68
Hexachlorobenzene
Concen: 37.057 ng
RT: 11.022 min Scan# 1501
Delta R.T. 0.000 min
Lab File: BF142792.D
Acq: 19 Jun 2025 19:09

Tgt Ion:284 Resp: 126882
Ion Ratio Lower Upper
284 100
142 31.9 25.5 38.3
249 31.1 24.9 37.3





#69

Atrazine

Concen: 38.060 ng

RT: 11.104 min Scan# 1515

Delta R.T. 0.000 min

Lab File: BF142792.D

Acq: 19 Jun 2025 19:09

Instrument :

BNA_F

ClientSampleId :

SSTDICCC040

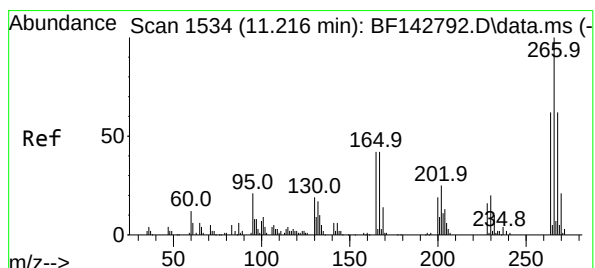
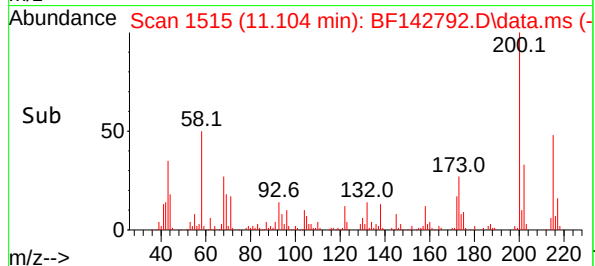
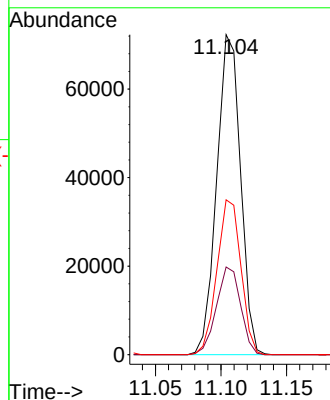
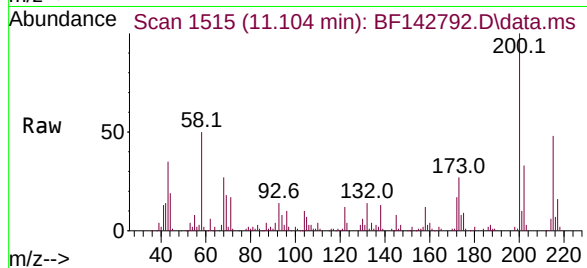
Tgt Ion:200 Resp: 91444

Ion Ratio Lower Upper

200 100

173 27.4 7.4 47.4

215 48.4 28.4 68.4



#70

Pentachlorophenol

Concen: 37.113 ng

RT: 11.216 min Scan# 1534

Delta R.T. 0.000 min

Lab File: BF142792.D

Acq: 19 Jun 2025 19:09

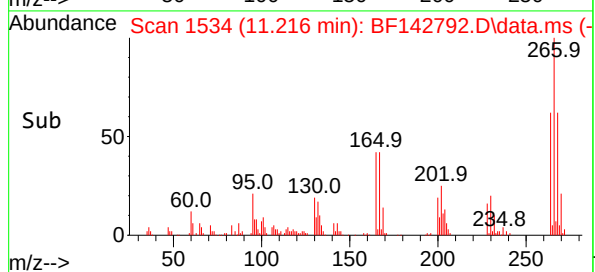
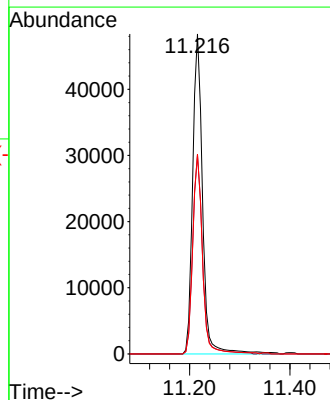
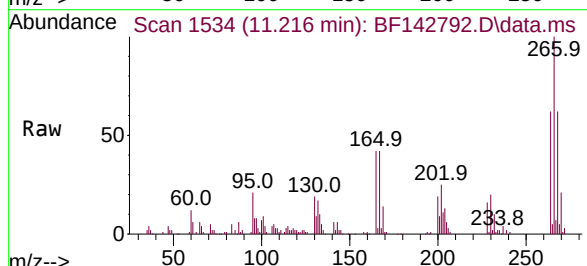
Tgt Ion:266 Resp: 65999

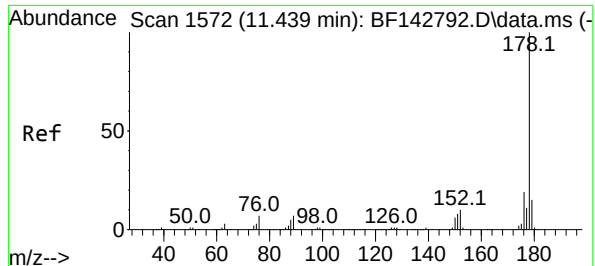
Ion Ratio Lower Upper

266 100

268 62.3 49.8 74.8

264 62.4 49.9 74.9





#71

Phenanthrene

Concen: 38.508 ng

RT: 11.439 min Scan# 1572

Delta R.T. 0.000 min

Lab File: BF142792.D

Acq: 19 Jun 2025 19:09

Instrument :

BNA_F

ClientSampleId :

SSTDICCC040

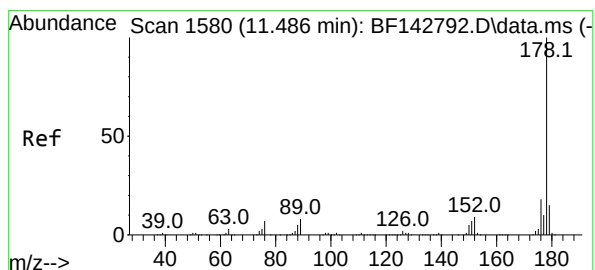
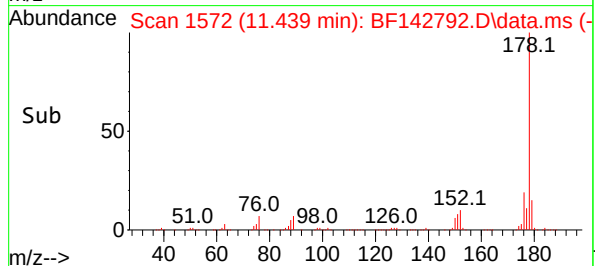
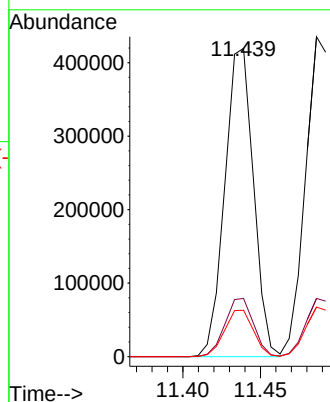
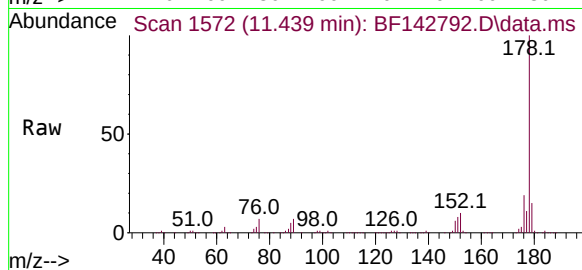
Tgt Ion:178 Resp: 542935

Ion Ratio Lower Upper

178 100

176 18.9 15.1 22.7

179 15.0 12.0 18.0



#72

Anthracene

Concen: 38.384 ng

RT: 11.486 min Scan# 1580

Delta R.T. 0.000 min

Lab File: BF142792.D

Acq: 19 Jun 2025 19:09

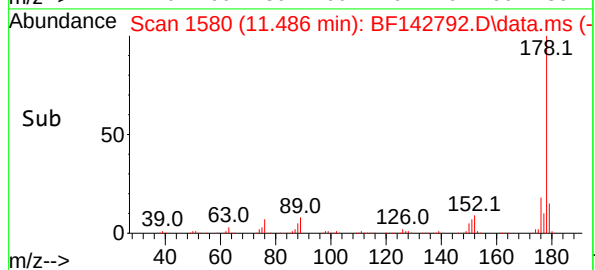
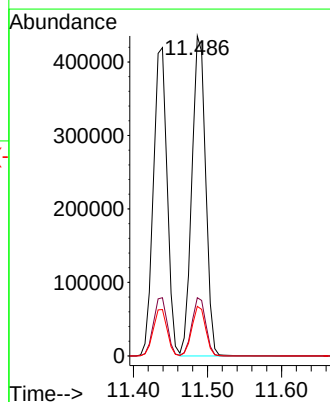
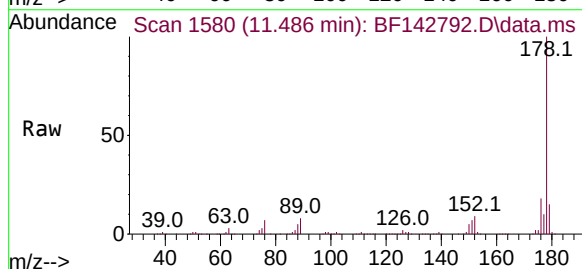
Tgt Ion:178 Resp: 560180

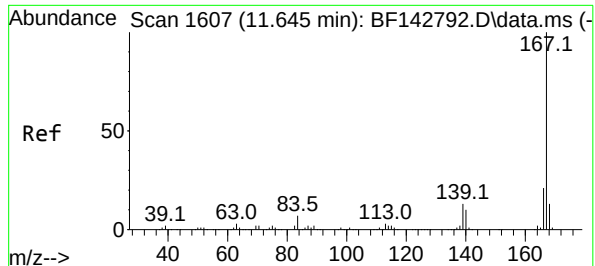
Ion Ratio Lower Upper

178 100

176 18.2 14.6 21.8

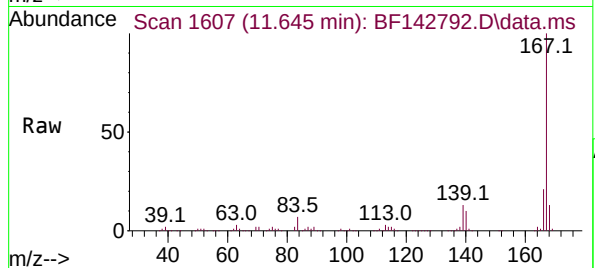
179 15.5 12.4 18.6



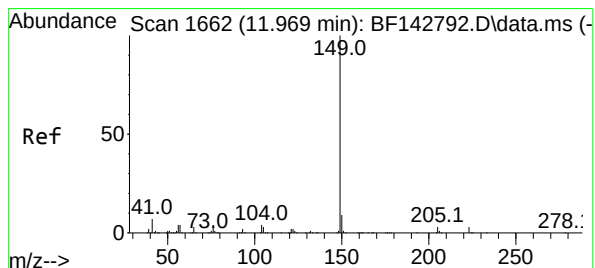
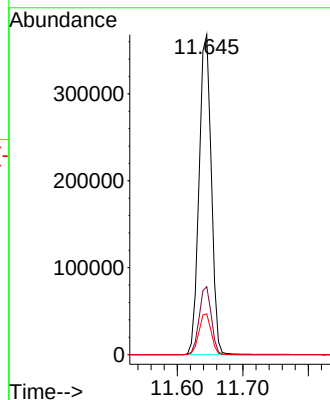
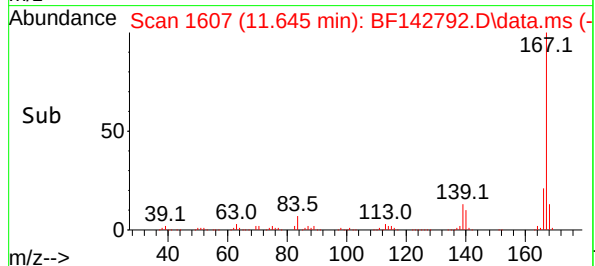


#73
Carbazole
Concen: 38.769 ng
RT: 11.645 min Scan# 1607
Delta R.T. 0.000 min
Lab File: BF142792.D
Acq: 19 Jun 2025 19:09

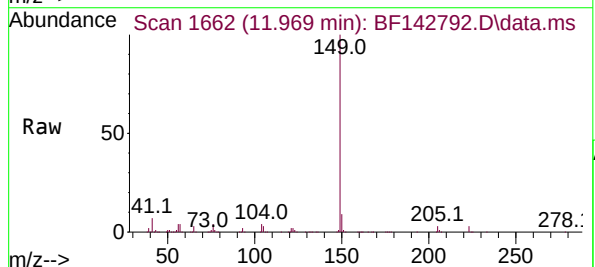
Instrument :
BNA_F
ClientSampleId :
SSTDICCC040



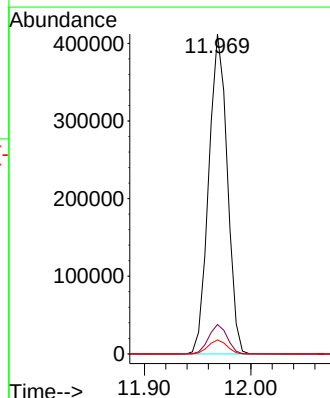
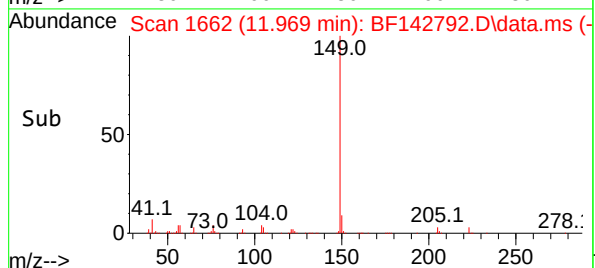
Tgt Ion:167 Resp: 473801
Ion Ratio Lower Upper
167 100
166 21.2 17.0 25.4
139 12.7 10.2 15.2

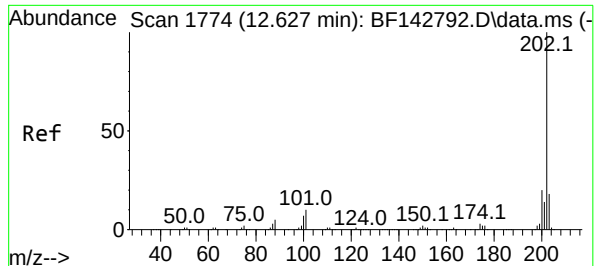


#74
Di-n-butylphthalate
Concen: 36.824 ng
RT: 11.969 min Scan# 1662
Delta R.T. 0.000 min
Lab File: BF142792.D
Acq: 19 Jun 2025 19:09



Tgt Ion:149 Resp: 498285
Ion Ratio Lower Upper
149 100
150 9.2 7.4 11.0
104 4.4 3.5 5.3

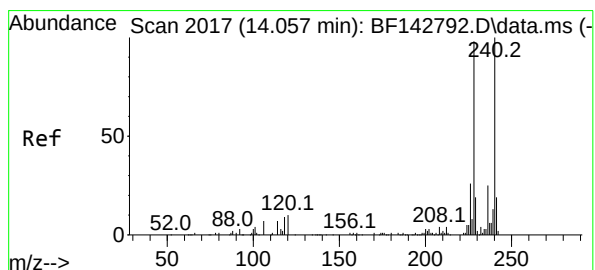
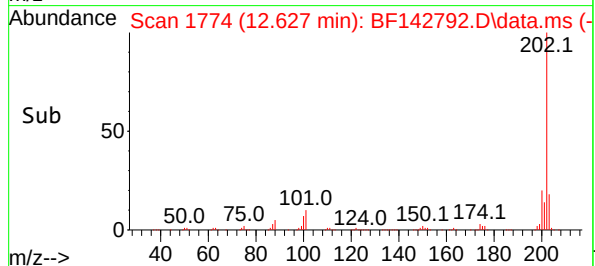
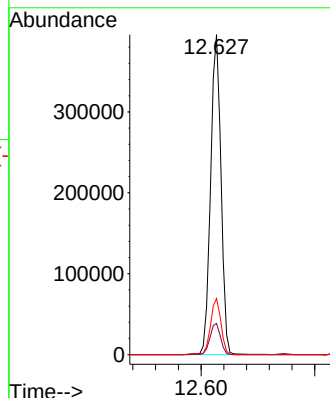
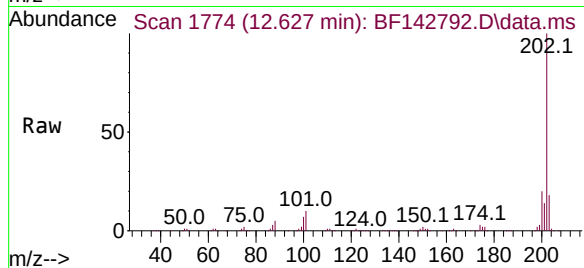




#75
Fluoranthene
Concen: 37.522 ng
RT: 12.627 min Scan# 1774
Delta R.T. 0.000 min
Lab File: BF142792.D
Acq: 19 Jun 2025 19:09

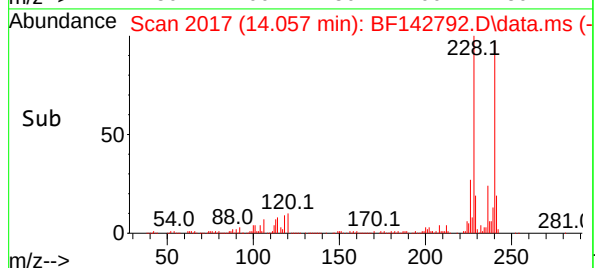
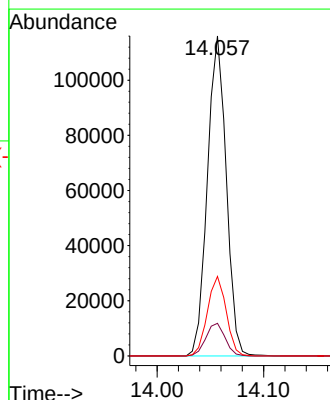
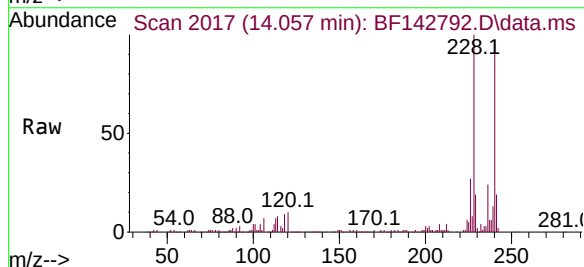
Instrument :
BNA_F
ClientSampleId :
SSTDICCC040

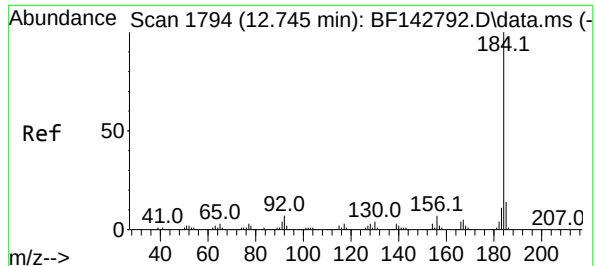
Tgt Ion	Ratio	Lower	Upper
202	100		
101	9.7	0.0	29.7
203	17.5	0.0	37.5



#76
Chrysene-d12
Concen: 20.000 ng
RT: 14.057 min Scan# 2017
Delta R.T. 0.000 min
Lab File: BF142792.D
Acq: 19 Jun 2025 19:09

Tgt Ion	Ratio	Lower	Upper
240	100		
120	10.2	8.2	12.2
236	24.8	19.8	29.8





#77

Benzidine

Concen: 43.691 ng

RT: 12.745 min Scan# 1794

Delta R.T. 0.000 min

Lab File: BF142792.D

Acq: 19 Jun 2025 19:09

Instrument :

BNA_F

ClientSampleId :

SSTDICCC040

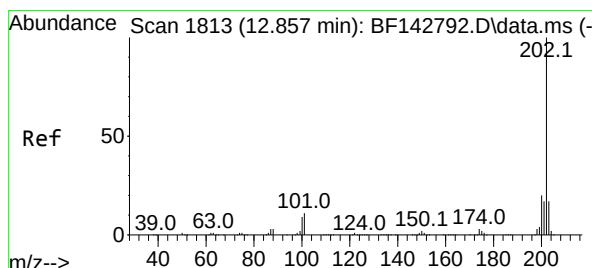
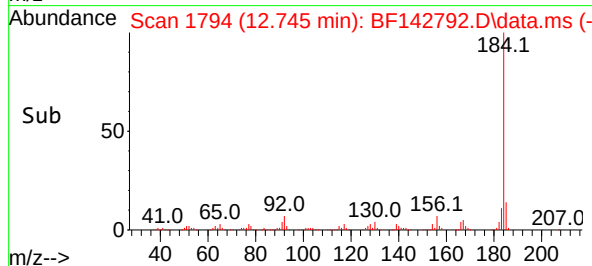
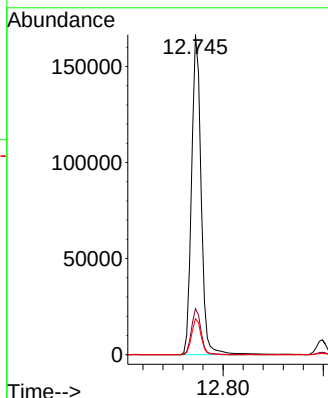
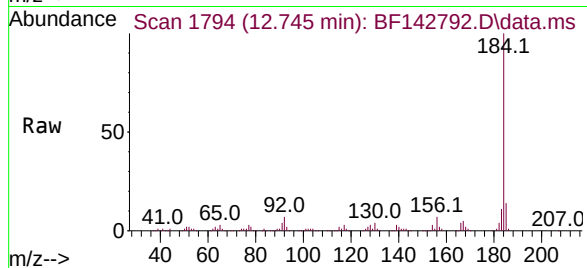
Tgt Ion:184 Resp: 220379

Ion Ratio Lower Upper

184 100

185 14.4 11.5 17.3

183 11.2 9.0 13.4



#78

Pyrene

Concen: 37.911 ng

RT: 12.857 min Scan# 1813

Delta R.T. 0.000 min

Lab File: BF142792.D

Acq: 19 Jun 2025 19:09

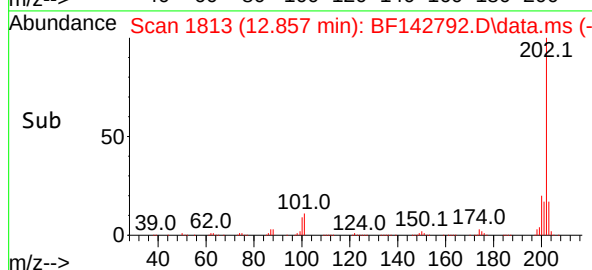
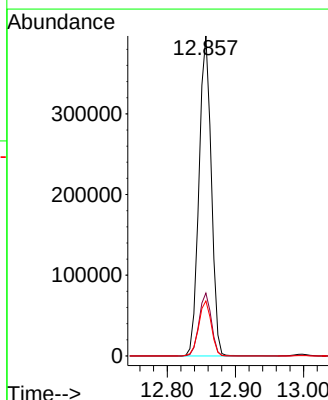
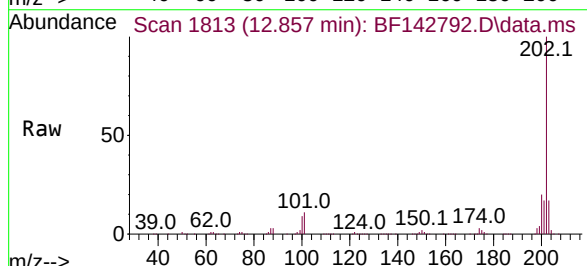
Tgt Ion:202 Resp: 496538

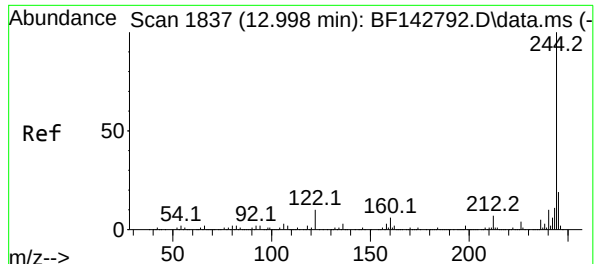
Ion Ratio Lower Upper

202 100

200 19.6 15.7 23.5

203 17.2 13.8 20.6





#79

Terphenyl-d14

Concen: 73.897 ng

RT: 12.998 min Scan# 1837

Delta R.T. 0.000 min

Lab File: BF142792.D

Acq: 19 Jun 2025 19:09

Instrument :

BNA_F

ClientSampleId :

SSTDICCC040

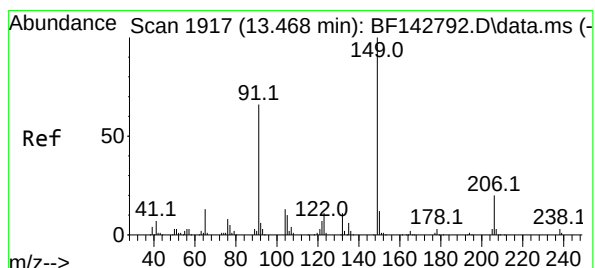
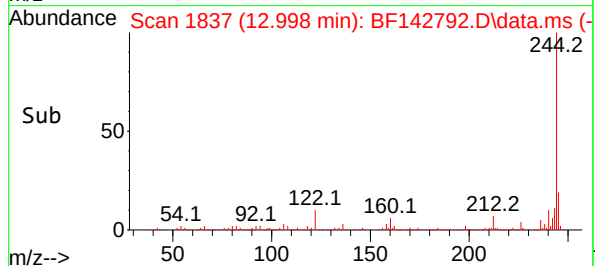
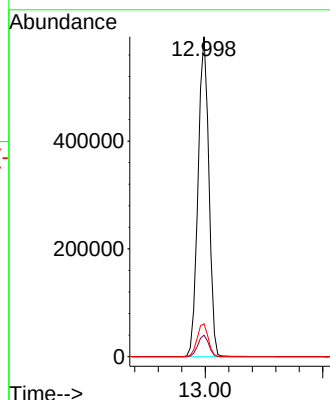
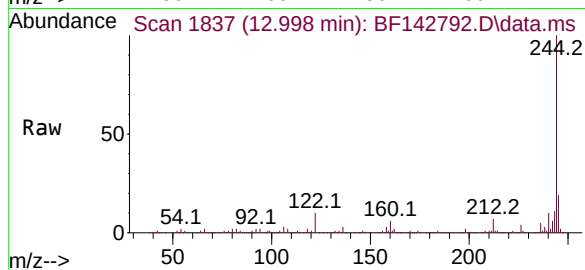
Tgt Ion:244 Resp: 756495

Ion Ratio Lower Upper

244 100

212 6.7 5.4 8.0

122 10.2 8.2 12.2



#80

Butylbenzylphthalate

Concen: 40.172 ng

RT: 13.468 min Scan# 1917

Delta R.T. 0.000 min

Lab File: BF142792.D

Acq: 19 Jun 2025 19:09

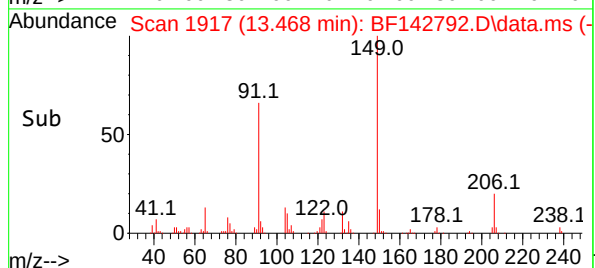
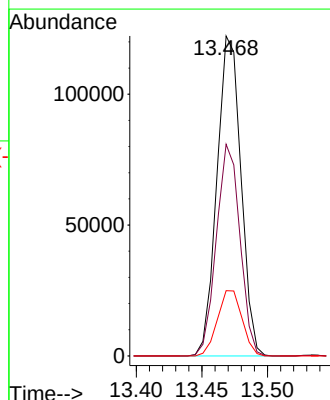
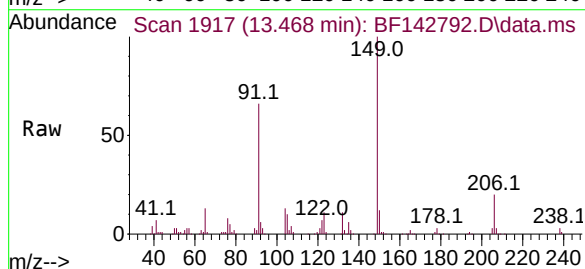
Tgt Ion:149 Resp: 155920

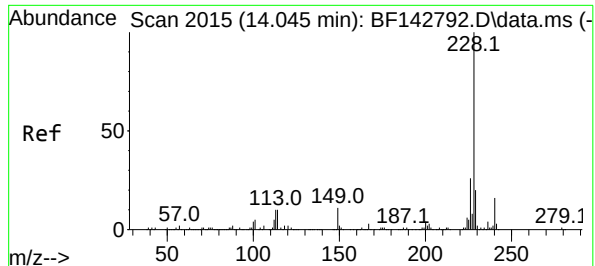
Ion Ratio Lower Upper

149 100

91 66.1 52.9 79.3

206 20.4 16.3 24.5





#81

Benzo(a)anthracene

Concen: 38.522 ng

RT: 14.045 min Scan# 2015

Delta R.T. 0.000 min

Lab File: BF142792.D

Acq: 19 Jun 2025 19:09

Instrument :

BNA_F

ClientSampleId :

SSTDICCC040

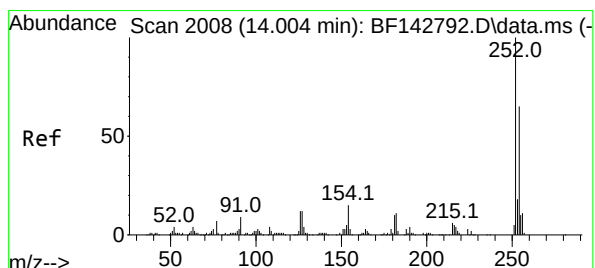
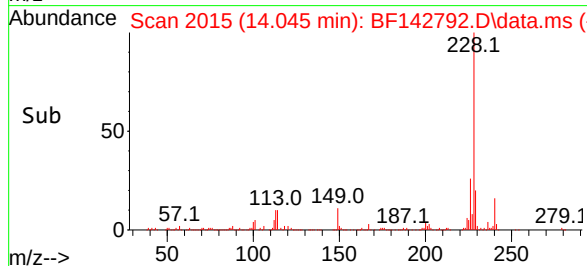
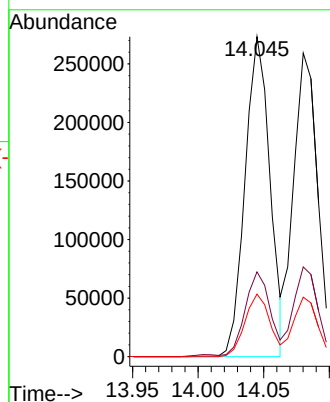
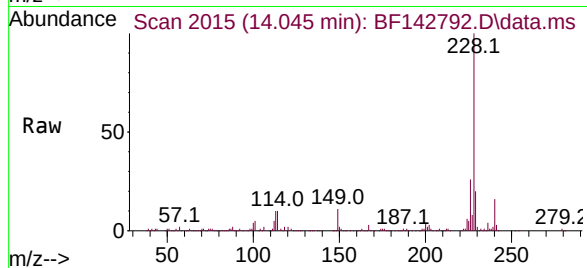
Tgt Ion:228 Resp: 360377

Ion Ratio Lower Upper

228 100

226 26.5 21.2 31.8

229 19.5 15.6 23.4



#82

3,3'-Dichlorobenzidine

Concen: 40.321 ng

RT: 14.004 min Scan# 2008

Delta R.T. 0.000 min

Lab File: BF142792.D

Acq: 19 Jun 2025 19:09

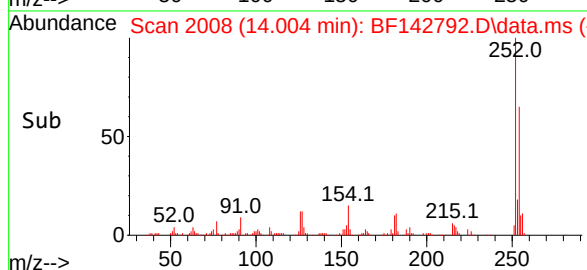
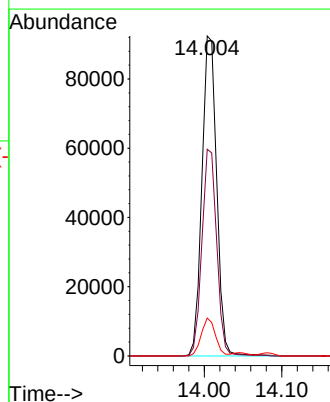
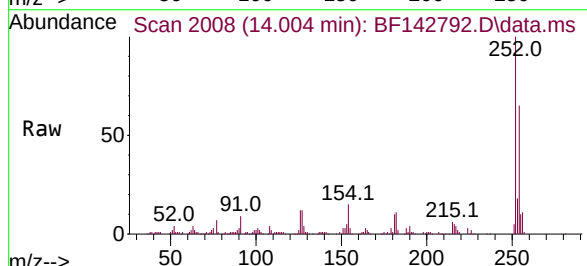
Tgt Ion:252 Resp: 122140

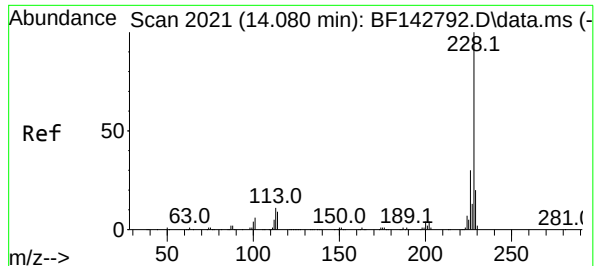
Ion Ratio Lower Upper

252 100

254 64.6 51.7 77.5

126 11.8 9.4 14.2

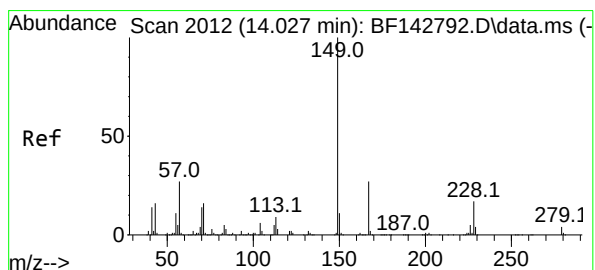
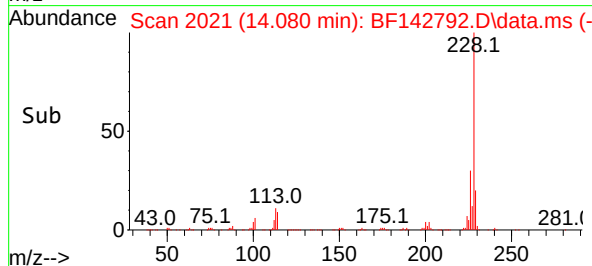
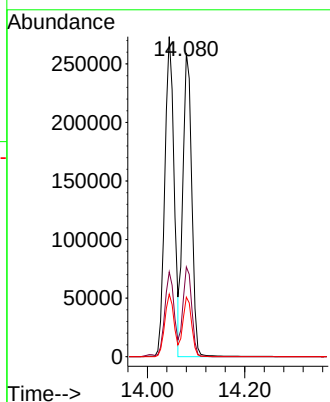
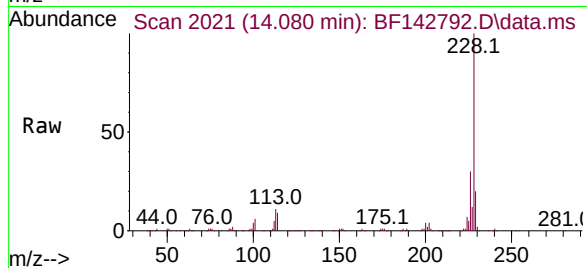




#83
Chrysene
Concen: 38.101 ng
RT: 14.080 min Scan# 2021
Delta R.T. 0.000 min
Lab File: BF142792.D
Acq: 19 Jun 2025 19:09

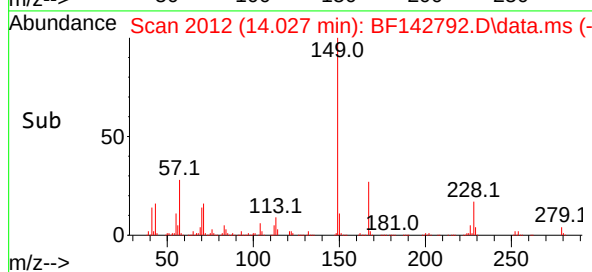
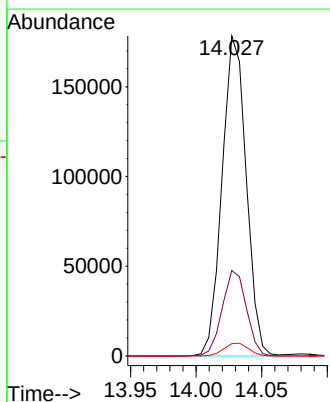
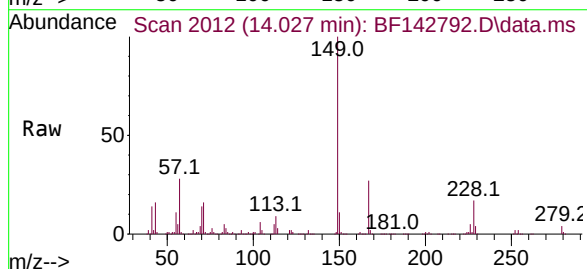
Instrument :
BNA_F
ClientSampleId :
SSTDICCC040

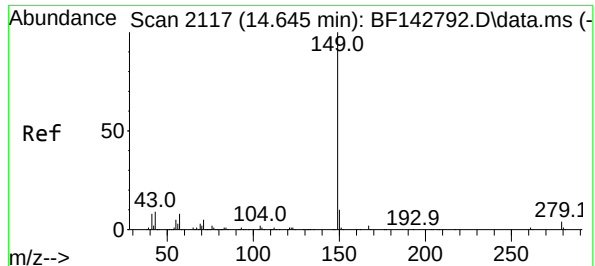
Tgt Ion:228 Resp: 331830
Ion Ratio Lower Upper
228 100
226 29.6 23.7 35.5
229 19.6 15.7 23.5



#84
Bis(2-ethylhexyl)phthalate
Concen: 39.589 ng
RT: 14.027 min Scan# 2012
Delta R.T. 0.000 min
Lab File: BF142792.D
Acq: 19 Jun 2025 19:09

Tgt Ion:149 Resp: 228949
Ion Ratio Lower Upper
149 100
167 26.7 21.4 32.0
279 3.8 3.0 4.6

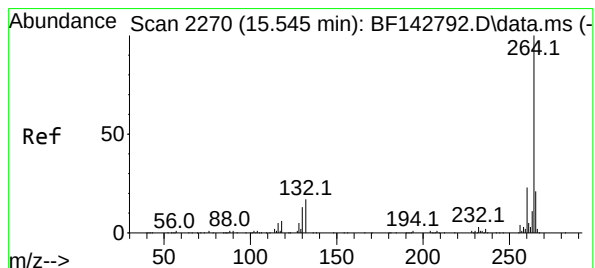
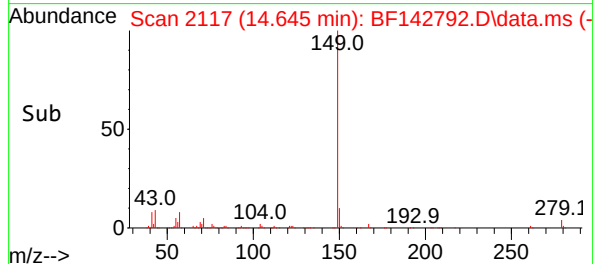
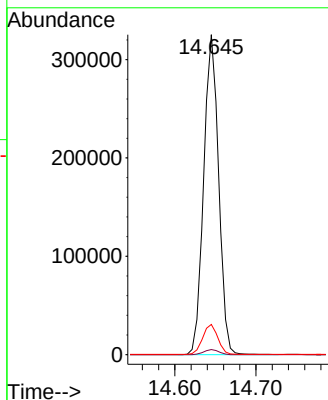
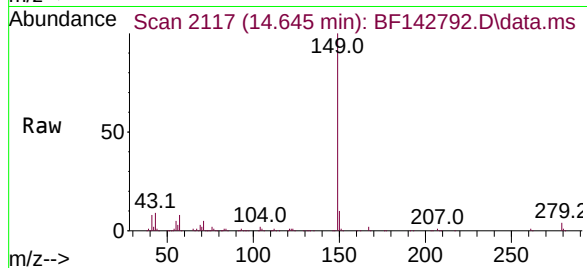




#85
Di-n-octyl phthalate
Concen: 37.837 ng
RT: 14.645 min Scan# 2117
Delta R.T. 0.000 min
Lab File: BF142792.D
Acq: 19 Jun 2025 19:09

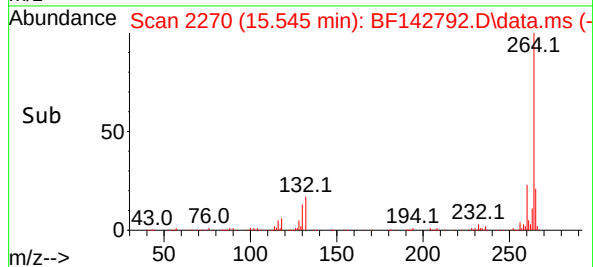
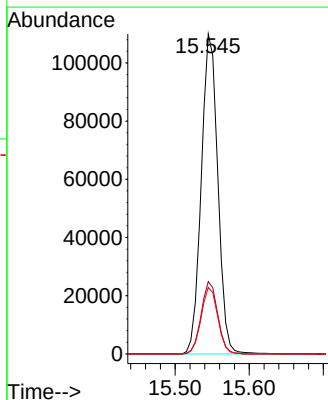
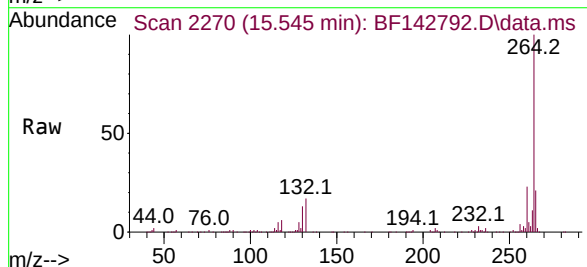
Instrument :
BNA_F
ClientSampleId :
SSTDICCC040

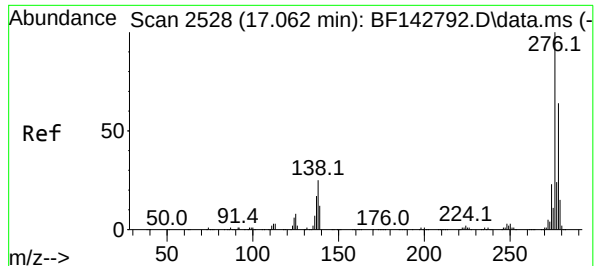
Tgt Ion	Ratio	Lower	Upper
149	100		
167	1.6	1.3	1.9
43	9.5	7.6	11.4



#86
Perylene-d12
Concen: 20.000 ng
RT: 15.545 min Scan# 2270
Delta R.T. 0.000 min
Lab File: BF142792.D
Acq: 19 Jun 2025 19:09

Tgt Ion	Ratio	Lower	Upper
264	100		
260	22.6	18.1	27.1
265	20.8	16.6	25.0





#87

Indeno(1,2,3-cd)pyrene

Concen: 39.863 ng

RT: 17.062 min Scan# 21

Delta R.T. 0.000 min

Lab File: BF142792.D

Acq: 19 Jun 2025 19:09

Instrument :

BNA_F

ClientSampleId :

SSTDICCC040

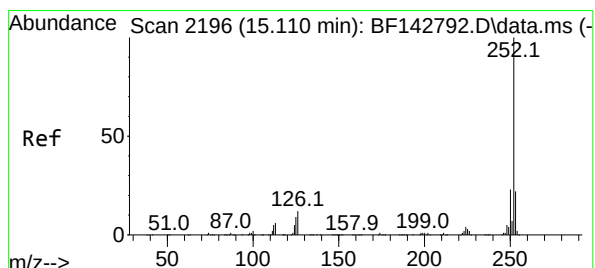
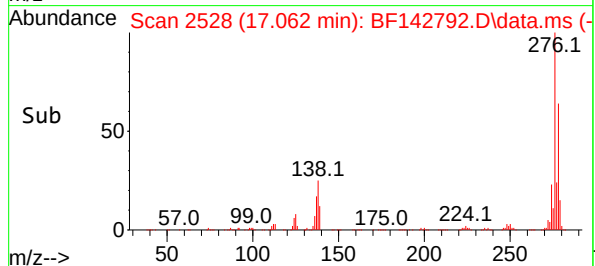
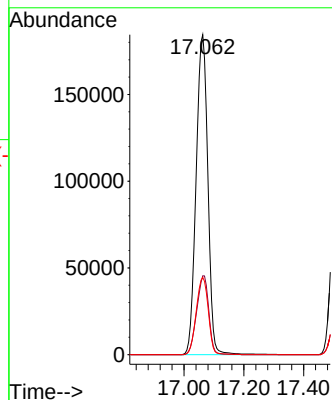
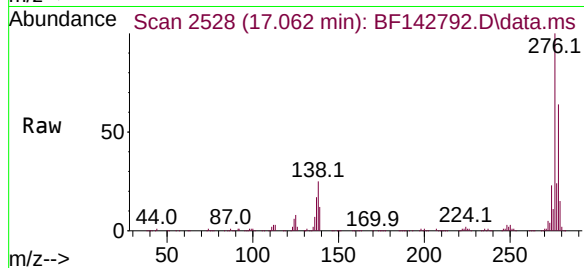
Tgt Ion:276 Resp: 501803

Ion Ratio Lower Upper

276 100

138 25.3 20.2 30.4

277 24.7 19.8 29.6



#88

Benzo(b)fluoranthene

Concen: 36.825 ng

RT: 15.110 min Scan# 2196

Delta R.T. 0.000 min

Lab File: BF142792.D

Acq: 19 Jun 2025 19:09

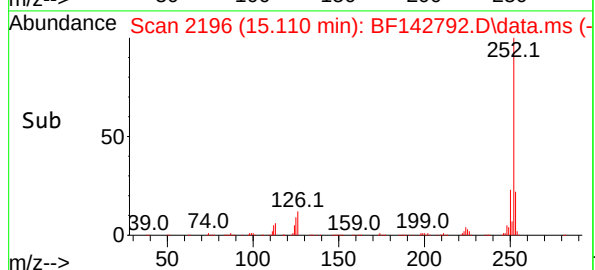
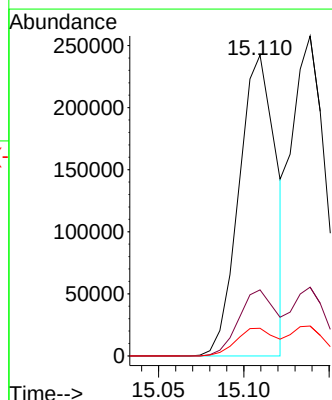
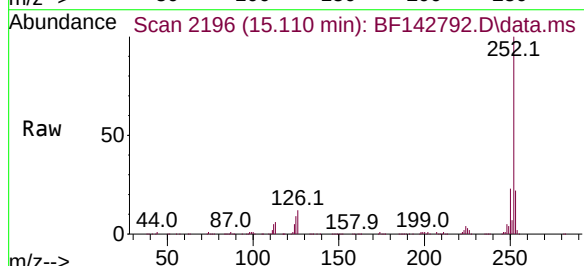
Tgt Ion:252 Resp: 365164

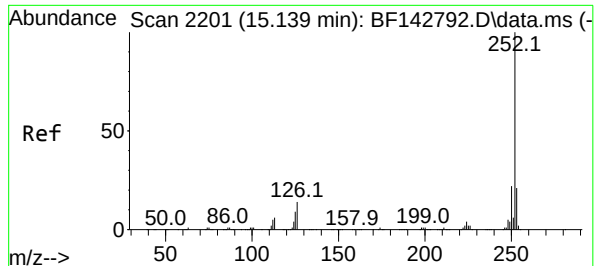
Ion Ratio Lower Upper

252 100

253 21.9 17.5 26.3

125 9.2 7.4 11.0





#89

Benzo(k)fluoranthene

Concen: 36.466 ng

RT: 15.139 min Scan# 2201

Delta R.T. 0.000 min

Lab File: BF142792.D

Acq: 19 Jun 2025 19:09

Instrument :

BNA_F

ClientSampleId :

SSTDICCC040

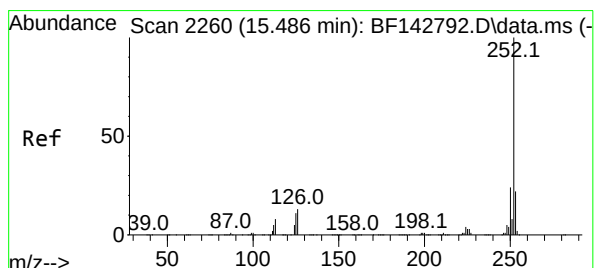
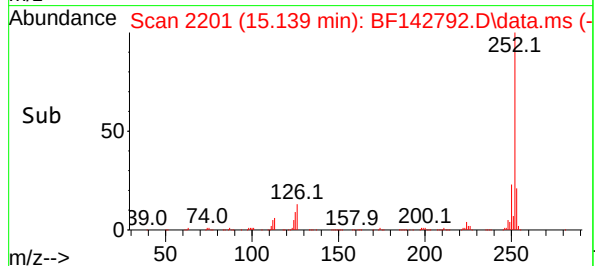
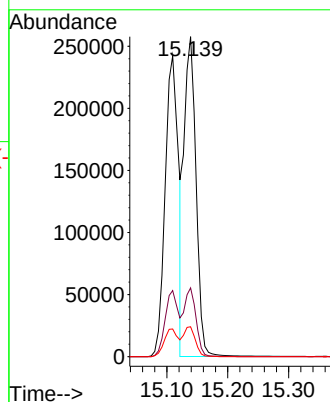
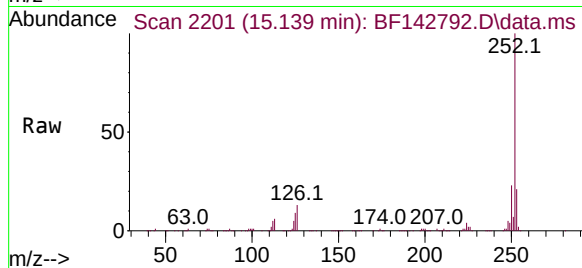
Tgt Ion:252 Resp: 352993

Ion Ratio Lower Upper

252 100

253 21.5 17.2 25.8

125 9.3 7.4 11.2



#90

Benzo(a)pyrene

Concen: 38.357 ng

RT: 15.486 min Scan# 2260

Delta R.T. 0.000 min

Lab File: BF142792.D

Acq: 19 Jun 2025 19:09

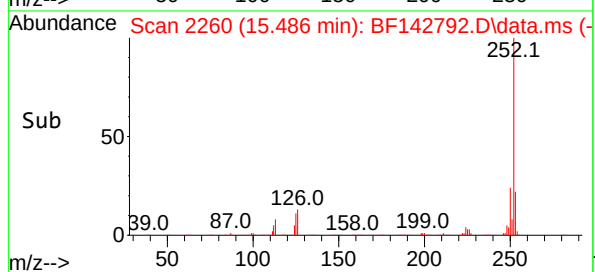
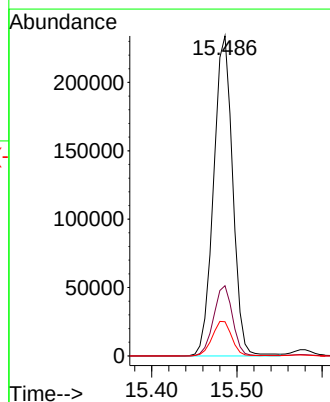
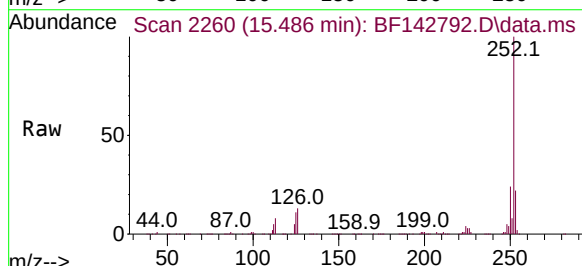
Tgt Ion:252 Resp: 363990

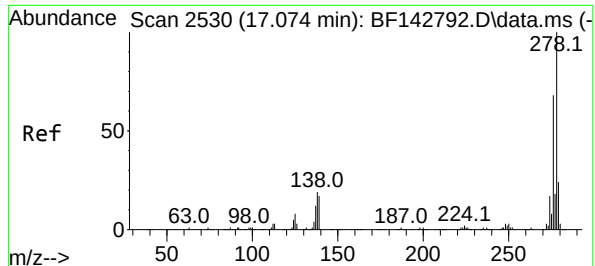
Ion Ratio Lower Upper

252 100

253 21.9 17.5 26.3

125 10.7 8.6 12.8





#91

Dibenzo(a,h)anthracene

Concen: 39.266 ng

RT: 17.074 min Scan# 2530

Delta R.T. 0.000 min

Lab File: BF142792.D

Acq: 19 Jun 2025 19:09

Instrument :

BNA_F

ClientSampleId :

SSTDICCC040

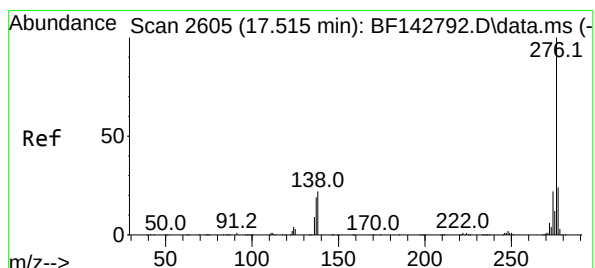
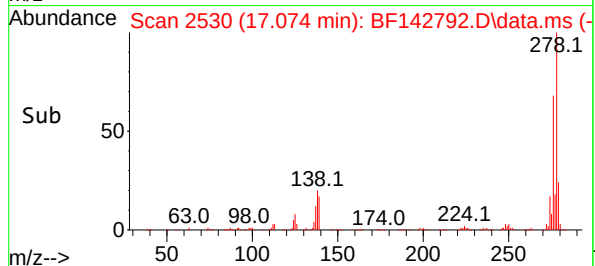
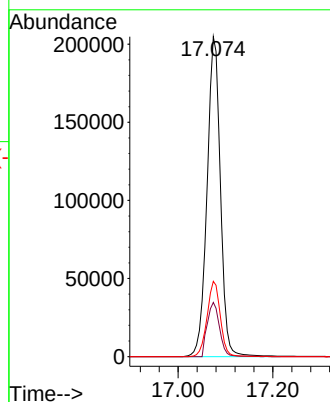
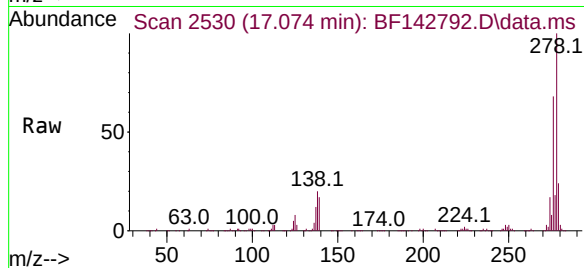
Tgt Ion:278 Resp: 401876

Ion Ratio Lower Upper

278 100

139 16.9 13.5 20.3

279 23.5 18.8 28.2



#92

Benzo(g,h,i)perylene

Concen: 39.635 ng

RT: 17.515 min Scan# 2605

Delta R.T. 0.000 min

Lab File: BF142792.D

Acq: 19 Jun 2025 19:09

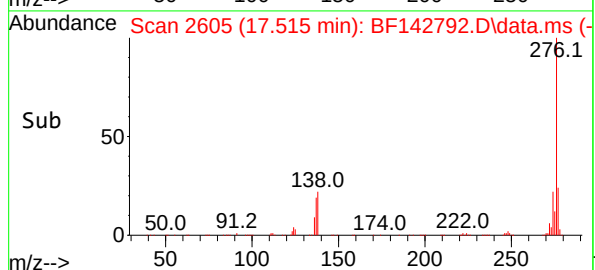
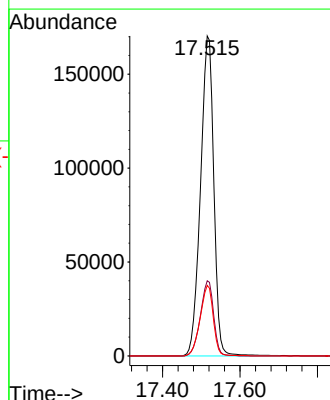
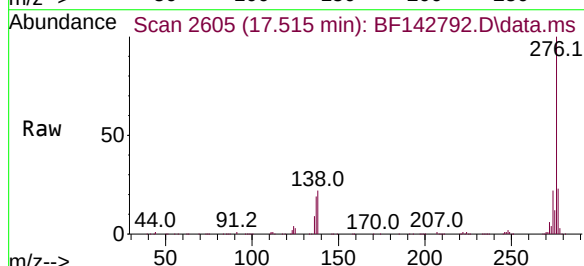
Tgt Ion:276 Resp: 404711

Ion Ratio Lower Upper

276 100

277 23.5 18.8 28.2

138 22.0 17.6 26.4



Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF061925\
 Data File : BF142793.D
 Acq On : 19 Jun 2025 19:40
 Operator : RC/JU
 Sample : SSTDICC050
 Misc :
 ALS Vial : 7 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 SSTDICC050

Quant Time: Jun 20 04:40:40 2025
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF061925.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Fri Jun 20 04:36:38 2025
 Response via : Initial Calibration

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

Internal Standards						
1) 1,4-Dichlorobenzene-d4	6.881	152	69874	20.000	ng	0.00
21) Naphthalene-d8	8.169	136	262911	20.000	ng	0.00
39) Acenaphthene-d10	9.922	164	139156	20.000	ng	0.00
64) Phenanthrene-d10	11.410	188	229780	20.000	ng	0.00
76) Chrysene-d12	14.057	240	117825	20.000	ng	0.00
86) Perylene-d12	15.545	264	139593	20.000	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.492	112	441114	107.674	ng	0.00
7) Phenol-d6	6.510	99	516909	107.451	ng	0.00
23) Nitrobenzene-d5	7.451	82	506846	105.669	ng	0.00
42) 2,4,6-Tribromophenol	10.716	330	152358	100.743	ng	0.00
45) 2-Fluorobiphenyl	9.245	172	1043477	99.755	ng	0.00
79) Terphenyl-d14	12.998	244	904305	106.820	ng	0.00
Target Compounds						
						Qvalue
2) 1,4-Dioxane	2.628	88	88835	54.606	ng	99
3) Pyridine	3.398	79	227576	55.874	ng	99
4) n-Nitrosodimethylamine	3.351	42	116636	55.913	ng	98
6) Aniline	6.545	93	346211	53.700	ng	99
8) 2-Chlorophenol	6.663	128	238691	53.507	ng	99
9) Benzaldehyde	6.434	77	145420	49.583	ng	99
10) Phenol	6.528	94	288461	53.781	ng	95
11) bis(2-Chloroethyl)ether	6.616	93	206661	51.933	ng	100
12) 1,3-Dichlorobenzene	6.822	146	262098	51.598	ng	99
13) 1,4-Dichlorobenzene	6.898	146	266098	51.685	ng	99
14) 1,2-Dichlorobenzene	7.051	146	253411	51.487	ng	99
15) Benzyl Alcohol	7.022	79	193284	53.677	ng	97
16) 2,2'-oxybis(1-Chloropr...	7.157	45	328251	52.354	ng	99
17) 2-Methylphenol	7.133	107	182167	53.415	ng	99
18) Hexachloroethane	7.392	117	94097	51.126	ng	99
19) n-Nitroso-di-n-propyla...	7.298	70	147905	48.753	ng	98
20) 3+4-Methylphenols	7.286	107	229169	53.390	ng	94
22) Acetophenone	7.292	105	303087	52.102	ng	98
24) Nitrobenzene	7.469	77	229219	53.773	ng	98
25) Isophorone	7.704	82	404886	50.334	ng	100
26) 2-Nitrophenol	7.781	139	127773	53.795	ng	99
27) 2,4-Dimethylphenol	7.816	122	216204	53.466	ng	99
28) bis(2-Chloroethoxy)met...	7.916	93	256119	51.148	ng	100
29) 2,4-Dichlorophenol	8.022	162	195589	52.478	ng	100
30) 1,2,4-Trichlorobenzene	8.104	180	213118	51.763	ng	100
31) Naphthalene	8.186	128	668713	51.717	ng	100
32) Benzoic acid	7.933	122	119196	53.128	ng	97
33) 4-Chloroaniline	8.239	127	276441	53.347	ng	99
34) Hexachlorobutadiene	8.304	225	131697	50.481	ng	99
35) Caprolactam	8.610	113	53024	52.873	ng	98
36) 4-Chloro-3-methylphenol	8.716	107	195744	50.843	ng	99
37) 2-Methylnaphthalene	8.880	142	414854	50.859	ng	99
38) 1-Methylnaphthalene	8.980	142	430144	50.792	ng	100
40) 1,2,4,5-Tetrachloroben...	9.045	216	207997	51.779	ng	100
41) Hexachlorocyclopentadiene	9.033	237	127033	50.012	ng	99
43) 2,4,6-Trichlorophenol	9.157	196	141932	54.597	ng	100

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF061925\
 Data File : BF142793.D
 Acq On : 19 Jun 2025 19:40
 Operator : RC/JU
 Sample : SSTDICC050
 Misc :
 ALS Vial : 7 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 SSTDICC050

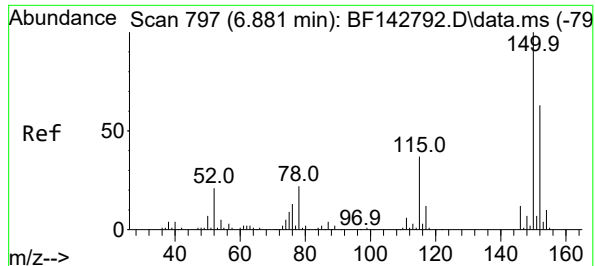
Quant Time: Jun 20 04:40:40 2025
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF061925.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Fri Jun 20 04:36:38 2025
 Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
44) 2,4,5-Trichlorophenol	9.198	196	144717	51.550	ng	100
46) 1,1'-Biphenyl	9.345	154	559765	51.807	ng	99
47) 2-Chloronaphthalene	9.369	162	420603	52.754	ng	100
48) 2-Nitroaniline	9.463	65	124478	54.955	ng	99
49) Acenaphthylene	9.786	152	694098	51.783	ng	100
50) Dimethylphthalate	9.645	163	464372	50.308	ng	100
51) 2,6-Dinitrotoluene	9.710	165	102361	51.156	ng	98
52) Acenaphthene	9.957	154	427135	51.498	ng	100
53) 3-Nitroaniline	9.874	138	117448	54.038	ng	98
54) 2,4-Dinitrophenol	9.986	184	60308	55.696	ng	92
55) Dibenzofuran	10.127	168	609507	51.506	ng	100
56) 4-Nitrophenol	10.033	139	82688	56.047	ng	98
57) 2,4-Dinitrotoluene	10.110	165	141691	53.554	ng	98
58) Fluorene	10.474	166	473968	50.747	ng	99
59) 2,3,4,6-Tetrachlorophenol	10.245	232	120008	50.988	ng	97
60) Diethylphthalate	10.345	149	458546	50.010	ng	100
61) 4-Chlorophenyl-phenyle...	10.463	204	222613	49.076	ng	98
62) 4-Nitroaniline	10.492	138	109973	56.363	ng	97
63) Azobenzene	10.622	77	409164	51.063	ng	100
65) 4,6-Dinitro-2-methylph...	10.522	198	76696	53.713	ng	97
66) n-Nitrosodiphenylamine	10.580	169	411917	52.171	ng	99
67) 4-Bromophenyl-phenylether	10.957	248	135699	50.425	ng	98
68) Hexachlorobenzene	11.021	284	150669	50.432	ng	99
69) Atrazine	11.110	200	111915	53.385	ng	99
70) Pentachlorophenol	11.216	266	81577	52.574	ng	98
71) Phenanthrene	11.439	178	644668	52.403	ng	99
72) Anthracene	11.492	178	654942	51.433	ng	99
73) Carbazole	11.645	167	575784	53.996	ng	100
74) Di-n-butylphthalate	11.968	149	616452	52.211	ng	100
75) Fluoranthene	12.627	202	608190	52.032	ng	100
77) Benzidine	12.745	184	242794	58.208	ng	100
78) Pyrene	12.857	202	597913	55.205	ng	99
80) Butylbenzylphthalate	13.474	149	180565	56.257	ng	97
81) Benzo(a)anthracene	14.045	228	413349	53.431	ng	100
82) 3,3'-Dichlorobenzidine	14.010	252	140152	55.949	ng	99
83) Chrysene	14.080	228	381352	52.950	ng	100
84) Bis(2-ethylhexyl)phtha...	14.027	149	253542	53.016	ng	100
85) Di-n-octyl phthalate	14.645	149	474143	52.029	ng	100
87) Indeno(1,2,3-cd)pyrene	17.062	276	575271	55.741	ng	100
88) Benzo(b)fluoranthene	15.109	252	401915	49.437	ng	100
89) Benzo(k)fluoranthene	15.139	252	416169	52.440	ng	100
90) Benzo(a)pyrene	15.486	252	419030	53.860	ng	99
91) Dibenzo(a,h)anthracene	17.080	278	466485	55.594	ng	99
92) Benzo(g,h,i)perylene	17.521	276	464951	55.540	ng	99

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

Instrument :
BNA_F
ClientSampleId :
SSTDICC050

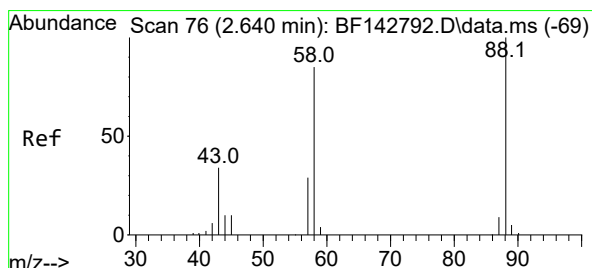
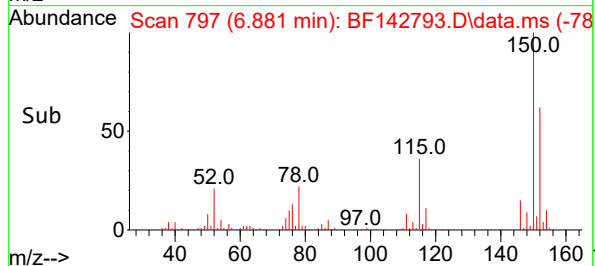
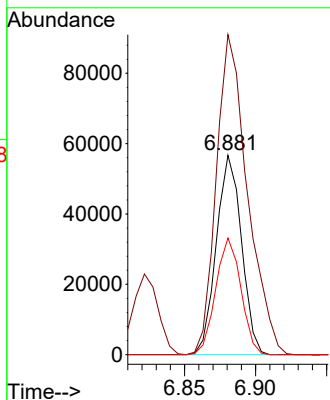
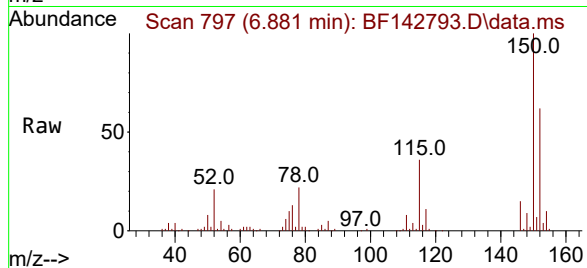
[illegible]



#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.881 min Scan# 79
Delta R.T. -0.000 min
Lab File: BF142793.D
Acq: 19 Jun 2025 19:40

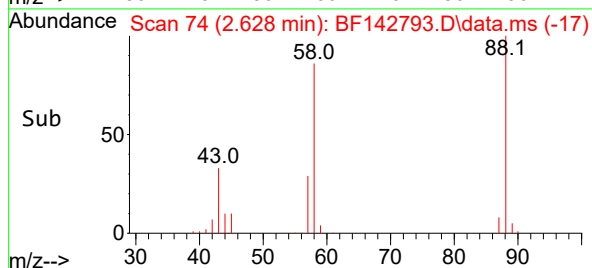
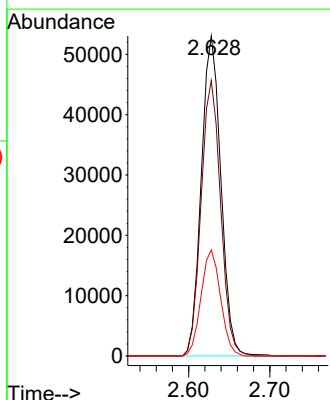
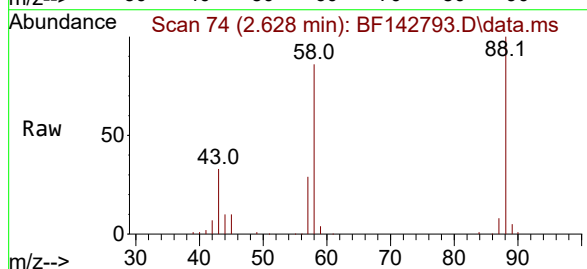
Instrument :
BNA_F
ClientSampleId :
SSTDICC050

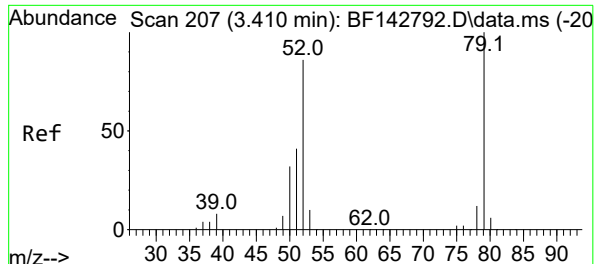
Tgt Ion:152 Resp: 69874
Ion Ratio Lower Upper
152 100
150 160.5 127.2 190.8
115 58.5 46.6 69.8



#2
1,4-Dioxane
Concen: 54.606 ng
RT: 2.628 min Scan# 74
Delta R.T. -0.012 min
Lab File: BF142793.D
Acq: 19 Jun 2025 19:40

Tgt Ion: 88 Resp: 88835
Ion Ratio Lower Upper
88 100
58 85.8 69.1 103.7
43 33.0 27.4 41.2





#3

Pyridine

Concen: 55.874 ng

RT: 3.398 min Scan# 20

Delta R.T. -0.012 min

Lab File: BF142793.D

Acq: 19 Jun 2025 19:40

Instrument :

BNA_F

ClientSampleId :

SSTDICC050

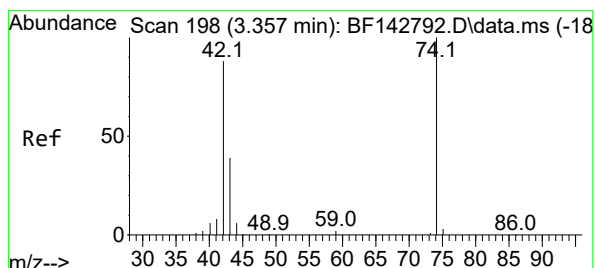
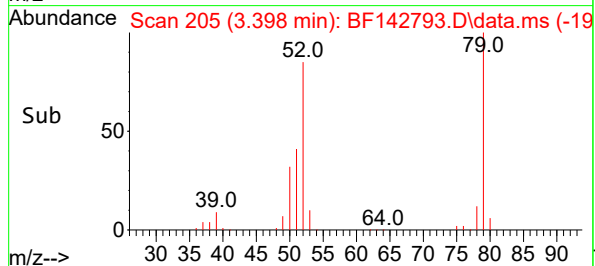
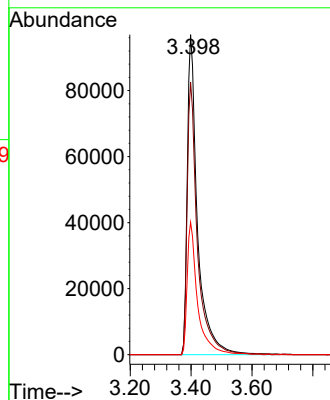
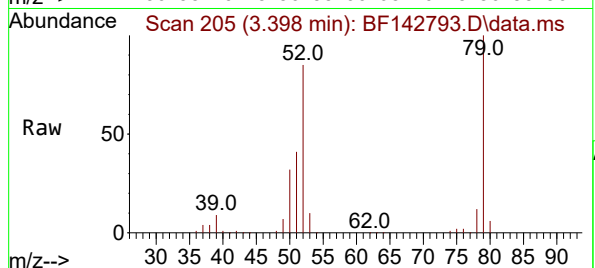
Tgt Ion: 79 Resp: 227576

Ion Ratio Lower Upper

79 100

52 85.2 69.2 103.8

51 41.4 33.2 49.8



#4

n-Nitrosodimethylamine

Concen: 55.913 ng

RT: 3.351 min Scan# 197

Delta R.T. -0.006 min

Lab File: BF142793.D

Acq: 19 Jun 2025 19:40

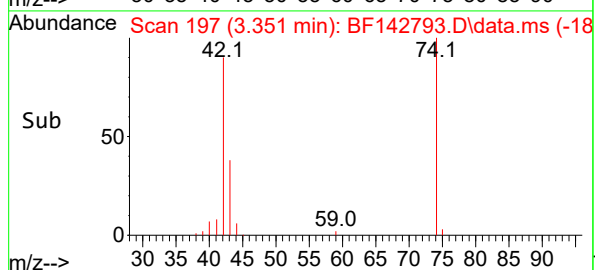
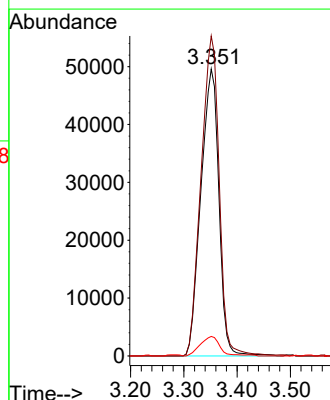
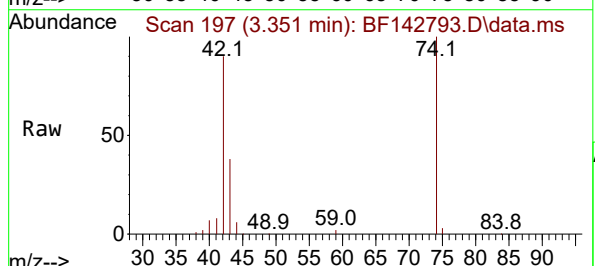
Tgt Ion: 42 Resp: 116636

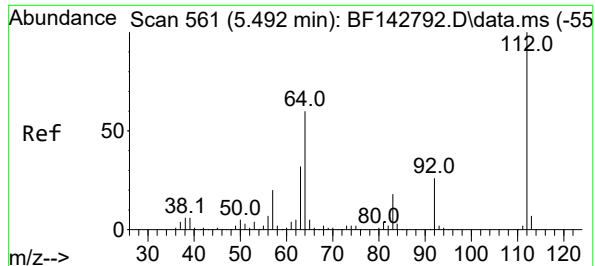
Ion Ratio Lower Upper

42 100

74 111.5 90.9 136.3

44 6.8 5.8 8.6





#5

2-Fluorophenol

Concen: 107.674 ng

RT: 5.492 min Scan# 561

Delta R.T. -0.000 min

Lab File: BF142793.D

Acq: 19 Jun 2025 19:40

Instrument :

BNA_F

ClientSampleId :

SSTDICC050

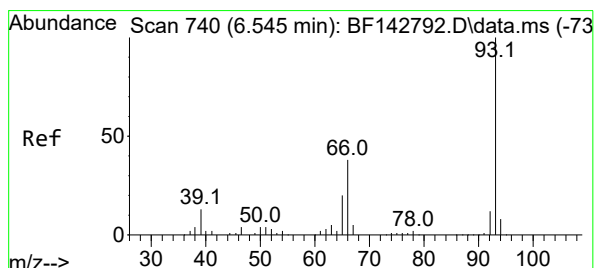
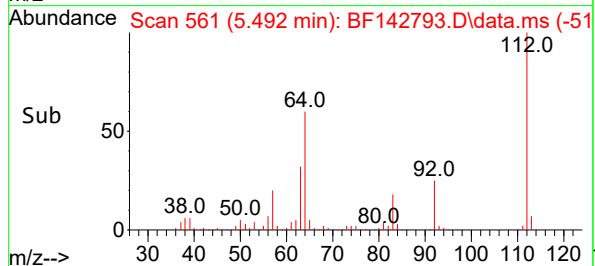
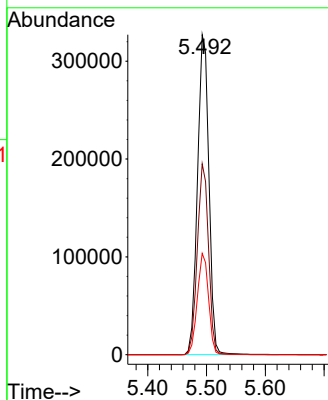
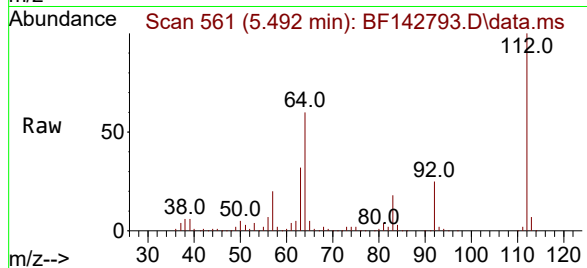
Tgt Ion:112 Resp: 441114

Ion Ratio Lower Upper

112 100

64 59.6 48.2 72.2

63 31.6 25.7 38.5



#6

Aniline

Concen: 53.700 ng

RT: 6.545 min Scan# 740

Delta R.T. -0.000 min

Lab File: BF142793.D

Acq: 19 Jun 2025 19:40

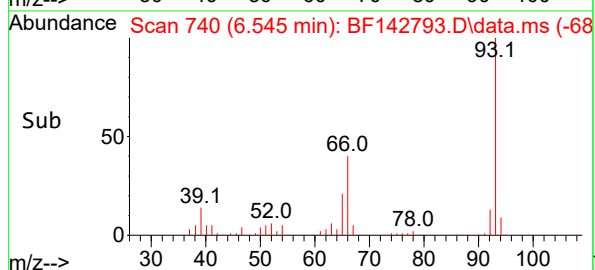
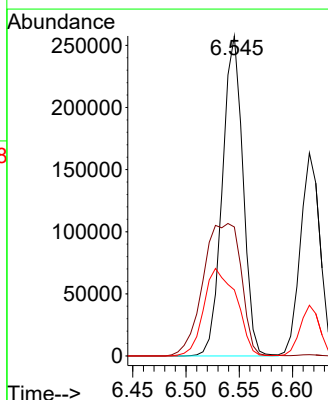
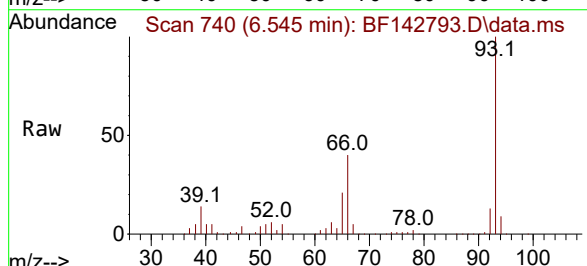
Tgt Ion: 93 Resp: 346211

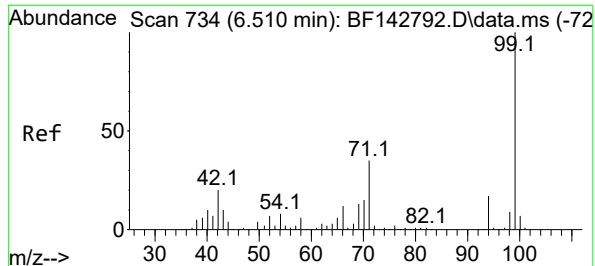
Ion Ratio Lower Upper

93 100

66 40.3 31.8 47.6

65 20.7 16.2 24.2





#7

Phenol-d6

Concen: 107.451 ng

RT: 6.510 min Scan# 71

Delta R.T. -0.000 min

Lab File: BF142793.D

Acq: 19 Jun 2025 19:40

Instrument :

BNA_F

ClientSampleId :

SSTDICC050

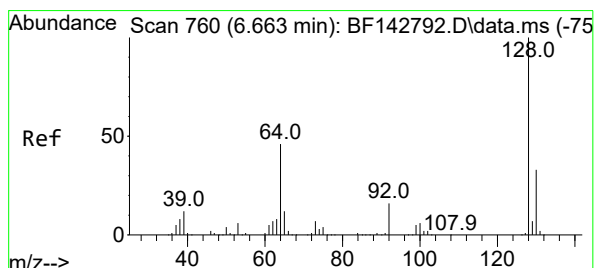
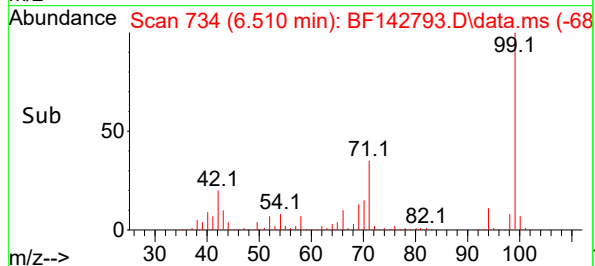
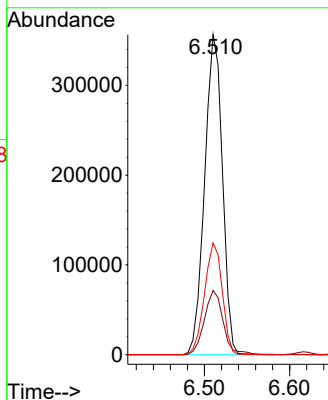
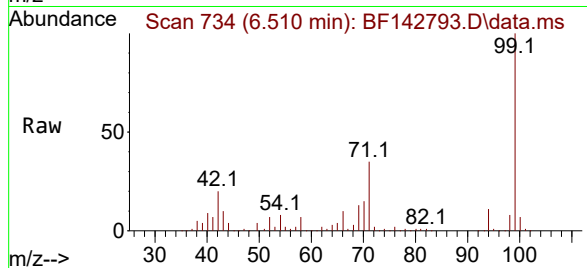
Tgt Ion: 99 Resp: 516909

Ion Ratio Lower Upper

99 100

42 20.1 15.9 23.9

71 34.9 27.8 41.8



#8

2-Chlorophenol

Concen: 53.507 ng

RT: 6.663 min Scan# 760

Delta R.T. -0.000 min

Lab File: BF142793.D

Acq: 19 Jun 2025 19:40

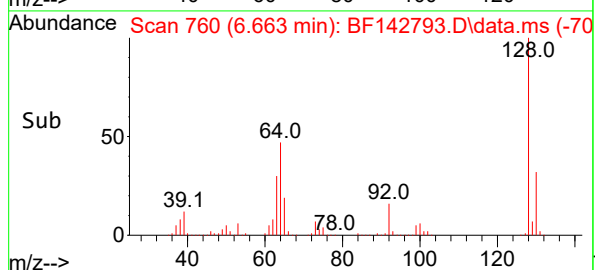
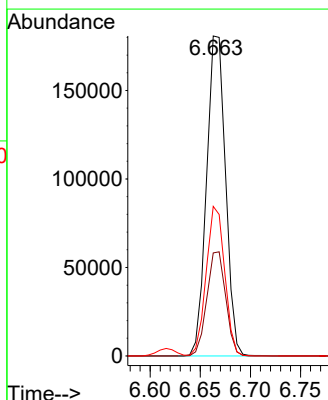
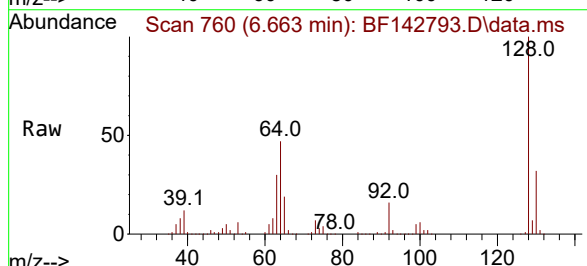
Tgt Ion:128 Resp: 238691

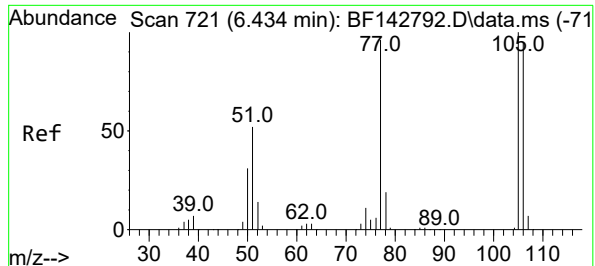
Ion Ratio Lower Upper

128 100

130 32.2 12.7 52.7

64 46.8 26.5 66.5





#9

Benzaldehyde

Concen: 49.583 ng

RT: 6.434 min Scan# 71

Delta R.T. -0.000 min

Lab File: BF142793.D

Acq: 19 Jun 2025 19:40

Instrument :

BNA_F

ClientSampleId :

SSTDICC050

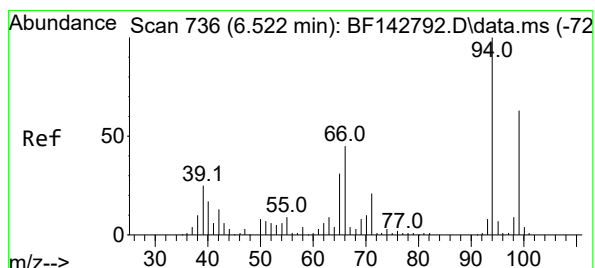
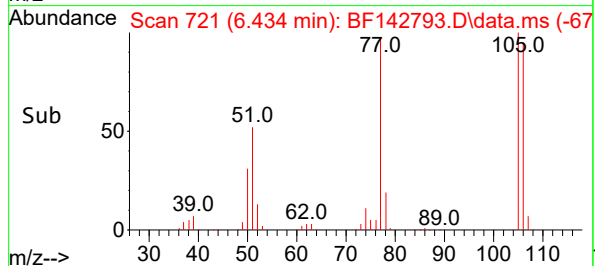
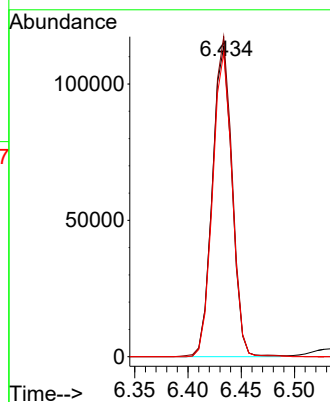
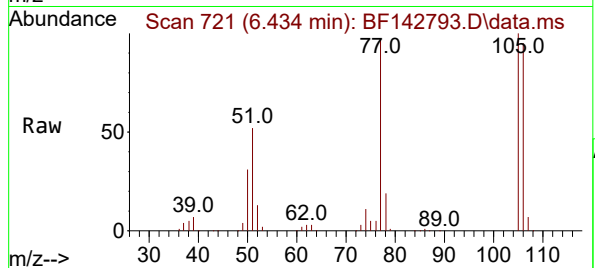
Tgt Ion: 77 Resp: 145420

Ion Ratio Lower Upper

77 100

105 103.2 83.8 123.8

106 98.0 78.7 118.7



#10

Phenol

Concen: 53.781 ng

RT: 6.528 min Scan# 737

Delta R.T. 0.006 min

Lab File: BF142793.D

Acq: 19 Jun 2025 19:40

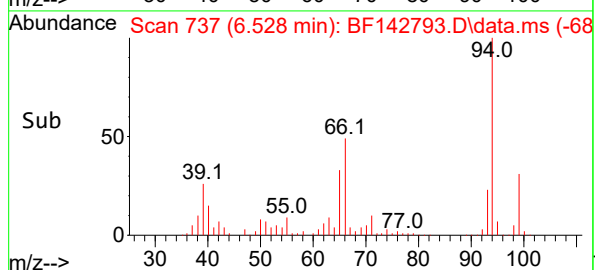
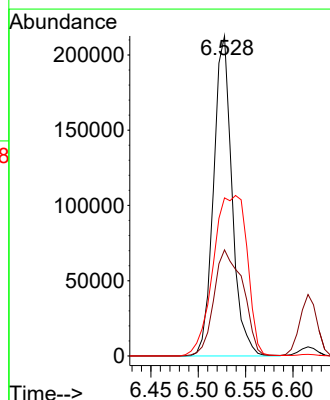
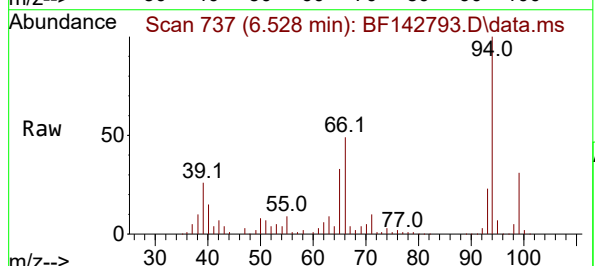
Tgt Ion: 94 Resp: 288461

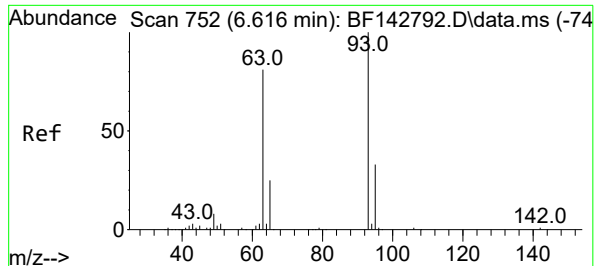
Ion Ratio Lower Upper

94 100

65 33.2 11.3 51.3

66 49.4 24.9 64.9

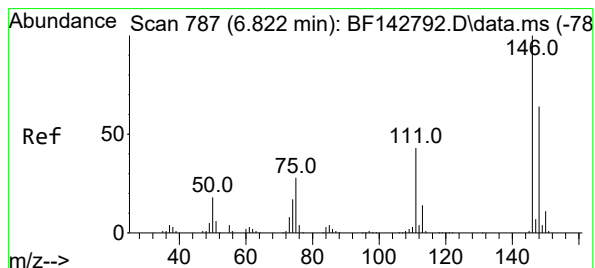
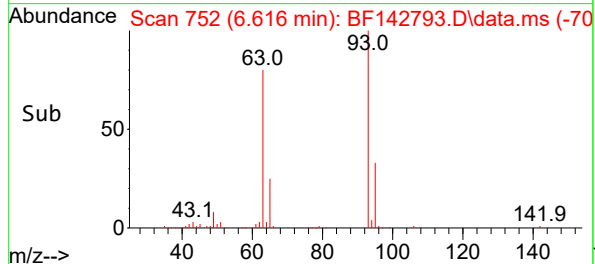
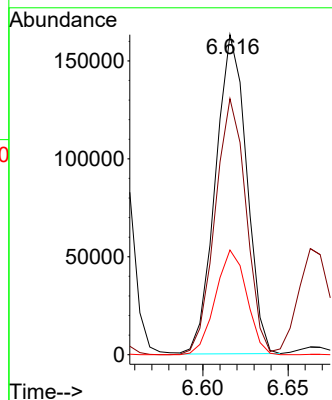
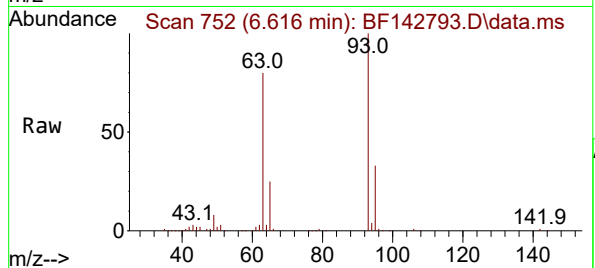




#11
bis(2-Chloroethyl)ether
Concen: 51.933 ng
RT: 6.616 min Scan# 752
Delta R.T. -0.000 min
Lab File: BF142793.D
Acq: 19 Jun 2025 19:40

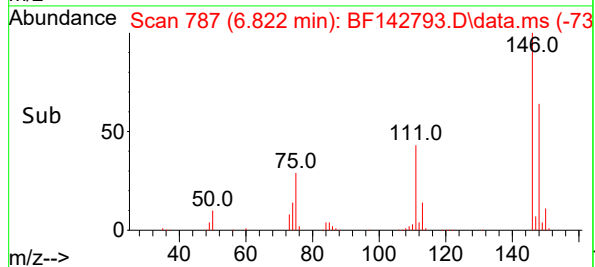
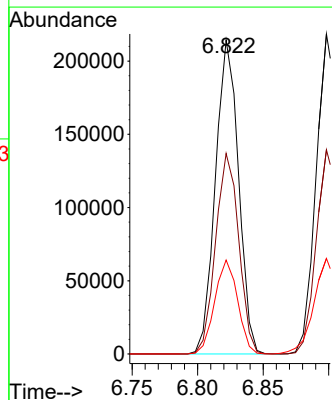
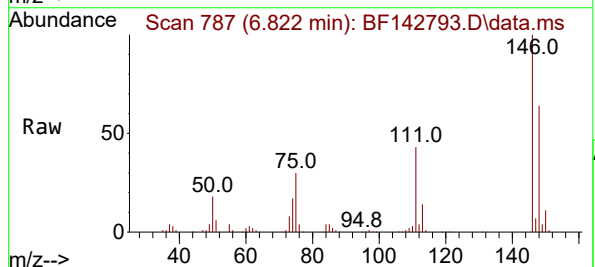
Instrument :
BNA_F
ClientSampleId :
SSTDICC050

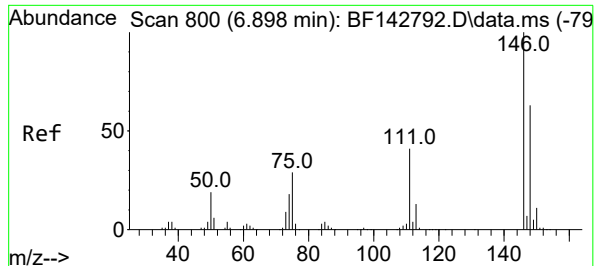
Tgt Ion: 93 Resp: 206661
Ion Ratio Lower Upper
93 100
63 80.0 60.3 100.3
95 32.7 12.5 52.5



#12
1,3-Dichlorobenzene
Concen: 51.598 ng
RT: 6.822 min Scan# 787
Delta R.T. -0.000 min
Lab File: BF142793.D
Acq: 19 Jun 2025 19:40

Tgt Ion: 146 Resp: 262098
Ion Ratio Lower Upper
146 100
148 63.9 51.1 76.7
75 29.9 22.7 34.1





#13

1,4-Dichlorobenzene

Concen: 51.685 ng

RT: 6.898 min Scan# 800

Delta R.T. -0.000 min

Lab File: BF142793.D

Acq: 19 Jun 2025 19:40

Instrument :

BNA_F

ClientSampleId :

SSTDICC050

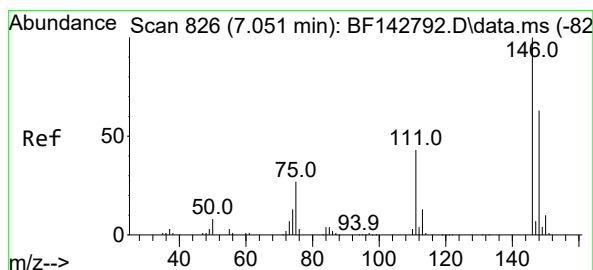
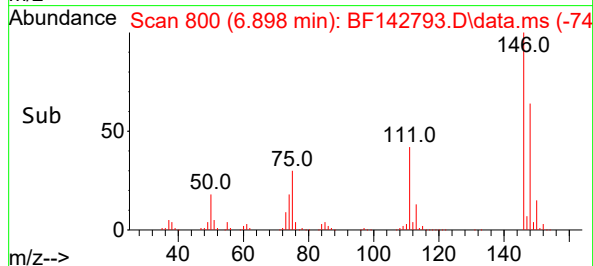
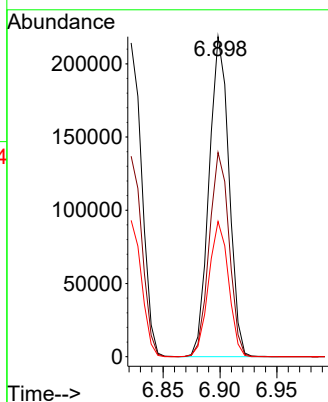
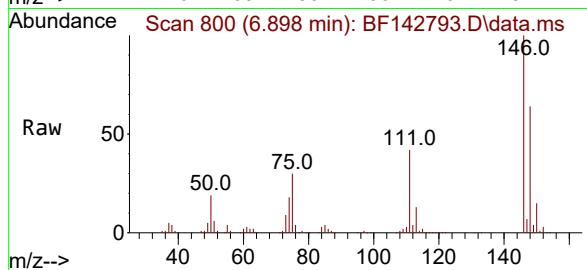
Tgt Ion:146 Resp: 266098

Ion Ratio Lower Upper

146 100

148 63.8 50.2 75.2

111 42.2 33.2 49.8



#14

1,2-Dichlorobenzene

Concen: 51.487 ng

RT: 7.051 min Scan# 826

Delta R.T. -0.000 min

Lab File: BF142793.D

Acq: 19 Jun 2025 19:40

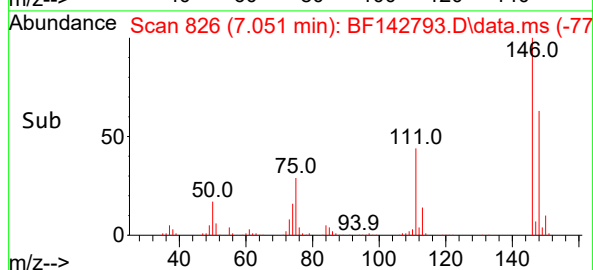
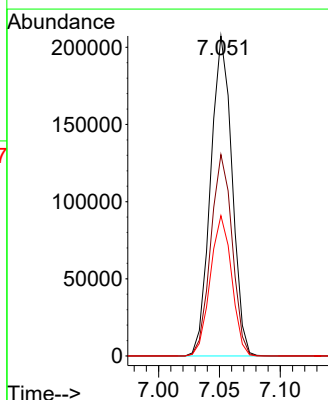
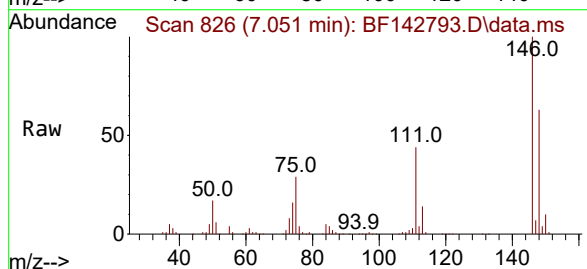
Tgt Ion:146 Resp: 253411

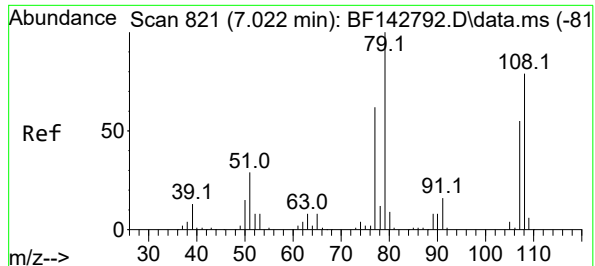
Ion Ratio Lower Upper

146 100

148 62.9 50.4 75.6

111 43.9 34.1 51.1





#15

Benzyl Alcohol

Concen: 53.677 ng

RT: 7.022 min Scan# 81

Delta R.T. -0.000 min

Lab File: BF142793.D

Acq: 19 Jun 2025 19:40

Instrument :

BNA_F

ClientSampleId :

SSTDICC050

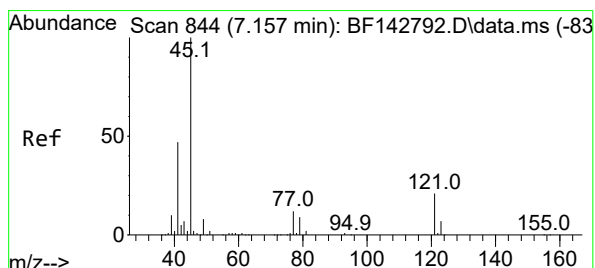
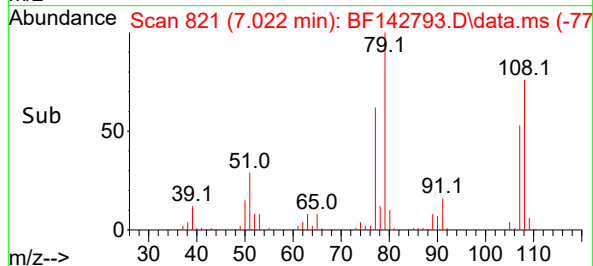
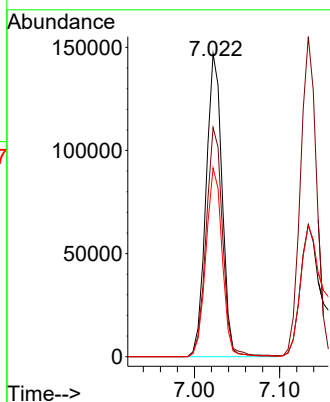
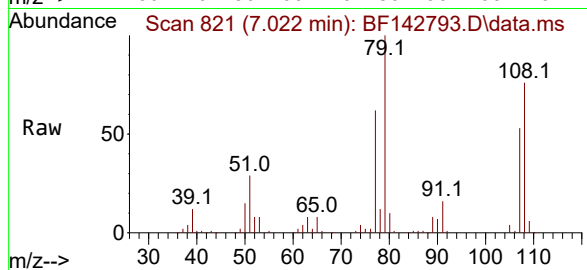
Tgt Ion: 79 Resp: 193284

Ion Ratio Lower Upper

79 100

108 75.6 63.4 95.0

77 62.4 49.5 74.3



#16

2,2'-oxybis(1-Chloropropane)

Concen: 52.354 ng

RT: 7.157 min Scan# 844

Delta R.T. -0.000 min

Lab File: BF142793.D

Acq: 19 Jun 2025 19:40

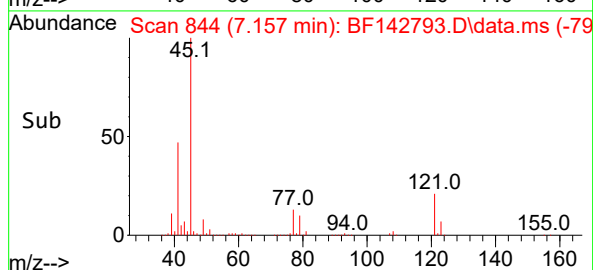
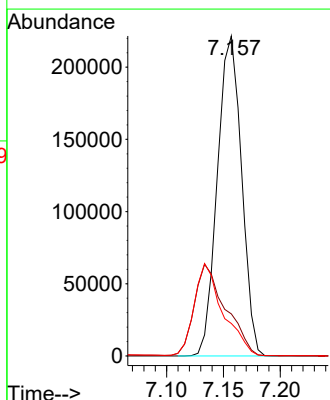
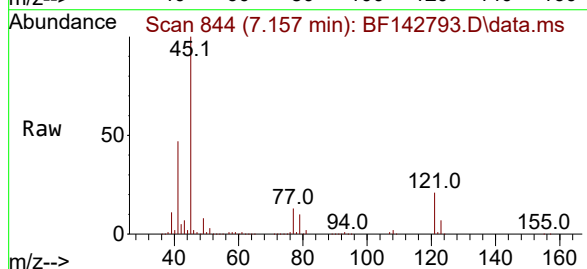
Tgt Ion: 45 Resp: 328251

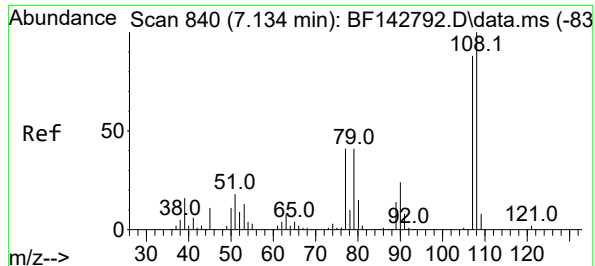
Ion Ratio Lower Upper

45 100

77 13.1 0.0 32.8

79 10.2 0.0 29.8





#17

2-Methylphenol

Concen: 53.415 ng

RT: 7.133 min Scan# 840

Delta R.T. -0.000 min

Lab File: BF142793.D

Acq: 19 Jun 2025 19:40

Instrument :

BNA_F

ClientSampleId :

SSTDICC050

Tgt Ion:107 Resp: 182167

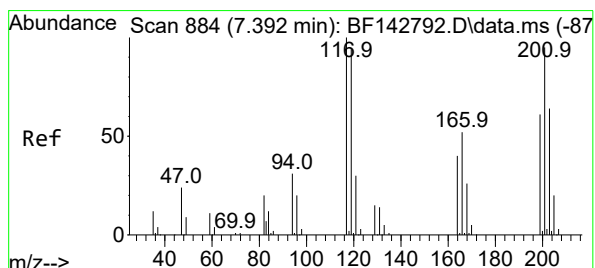
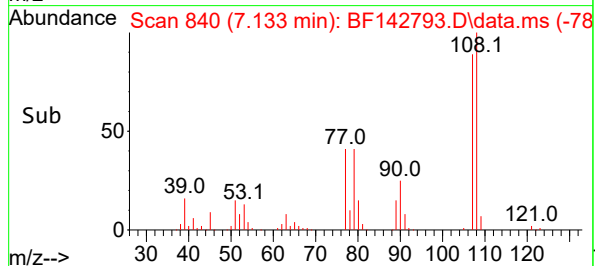
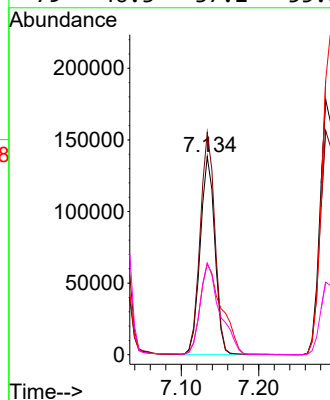
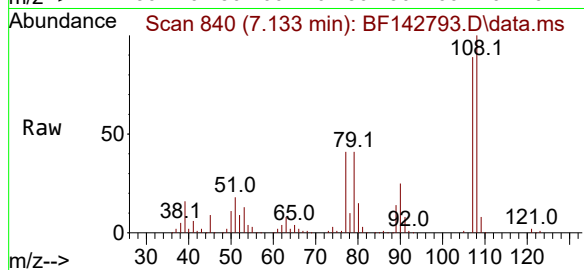
Ion Ratio Lower Upper

107 100

108 112.2 90.9 136.3

77 45.9 37.3 55.9

79 46.3 37.2 55.8



#18

Hexachloroethane

Concen: 51.126 ng

RT: 7.392 min Scan# 884

Delta R.T. -0.000 min

Lab File: BF142793.D

Acq: 19 Jun 2025 19:40

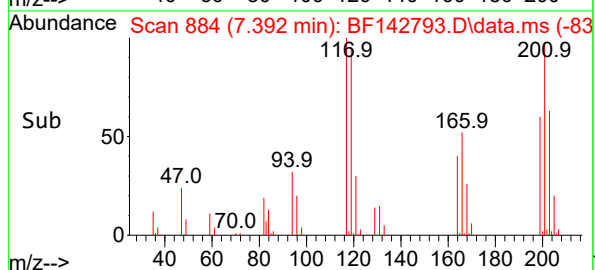
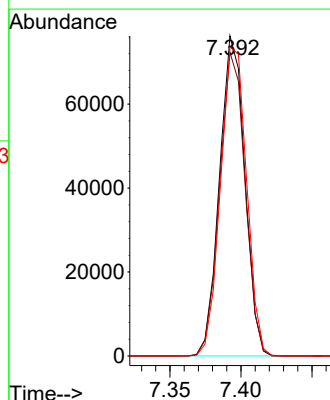
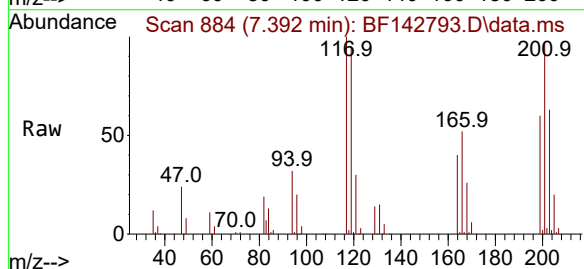
Tgt Ion:117 Resp: 94097

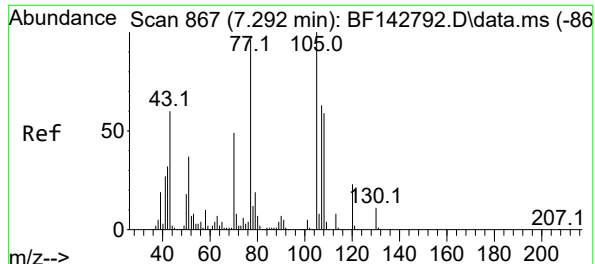
Ion Ratio Lower Upper

117 100

119 94.9 75.4 113.0

201 96.6 75.9 113.9





#19

n-Nitroso-di-n-propylamine

Concen: 48.753 ng

RT: 7.298 min Scan# 868

Delta R.T. 0.006 min

Lab File: BF142793.D

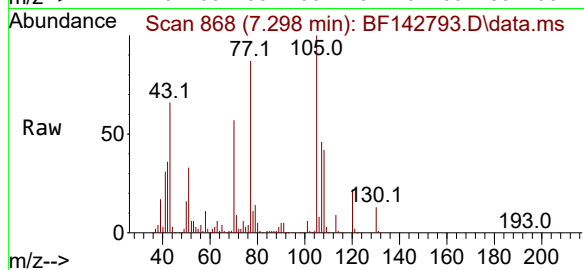
Acq: 19 Jun 2025 19:40

Instrument :

BNA_F

ClientSampleId :

SSTDICC050



Tgt Ion: 70 Resp: 147905

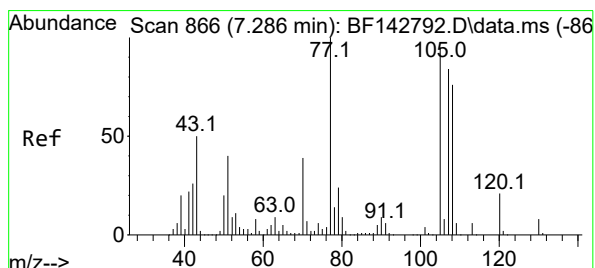
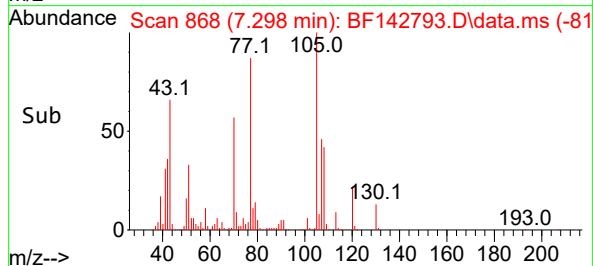
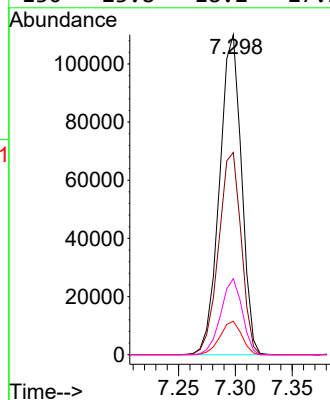
Ion Ratio Lower Upper

70 100

42 63.2 52.1 78.1

101 10.4 8.2 12.2

130 23.8 18.2 27.2



#20

3+4-Methylphenols

Concen: 53.390 ng

RT: 7.286 min Scan# 866

Delta R.T. -0.000 min

Lab File: BF142793.D

Acq: 19 Jun 2025 19:40

Tgt Ion: 107 Resp: 229169

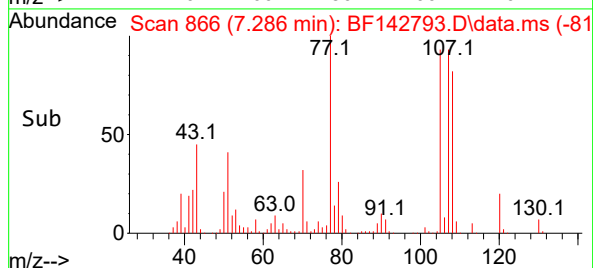
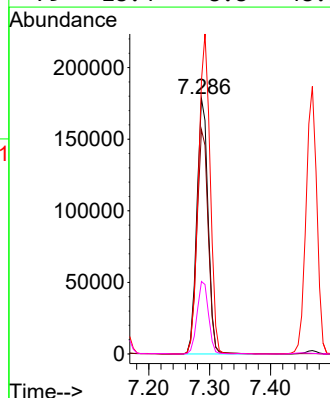
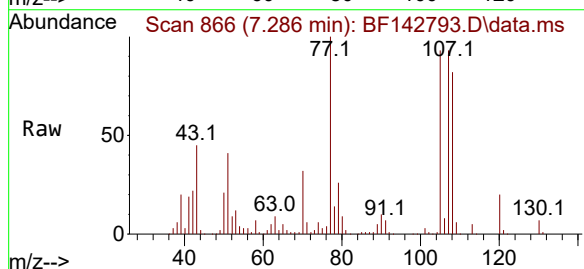
Ion Ratio Lower Upper

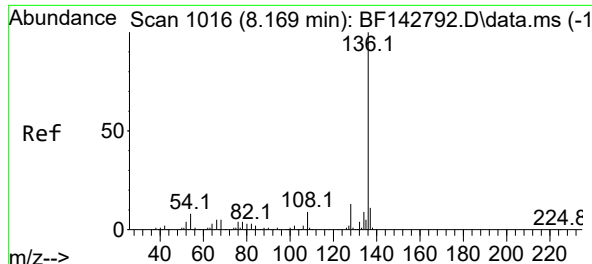
107 100

108 87.9 70.0 110.0

77 107.3 98.5 138.5

79 28.4 8.8 48.8





#21

Naphthalene-d8

Concen: 20.000 ng

RT: 8.169 min Scan# 1016

Delta R.T. -0.000 min

Lab File: BF142793.D

Acq: 19 Jun 2025 19:40

Instrument :

BNA_F

ClientSampleId :

SSTDICC050

Tgt Ion:136 Resp: 262911

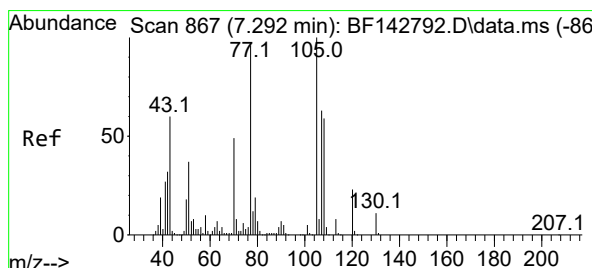
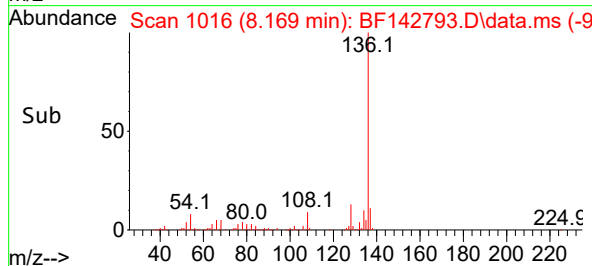
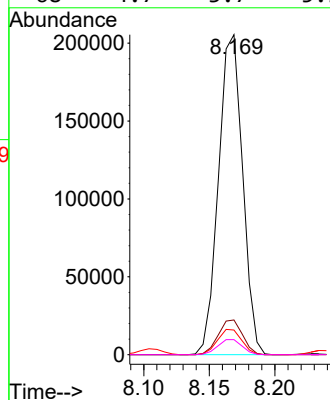
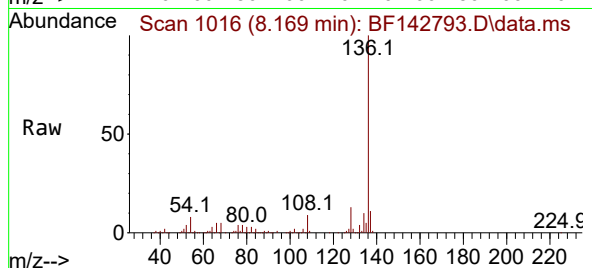
Ion Ratio Lower Upper

136 100

137 10.8 8.4 12.6

54 7.7 6.3 9.5

68 4.7 3.7 5.5



#22

Acetophenone

Concen: 52.102 ng

RT: 7.292 min Scan# 867

Delta R.T. -0.000 min

Lab File: BF142793.D

Acq: 19 Jun 2025 19:40

Tgt Ion:105 Resp: 303087

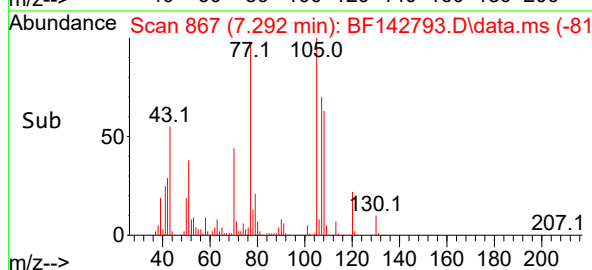
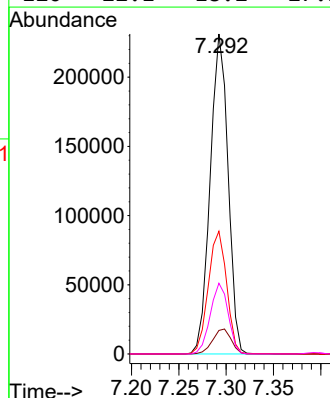
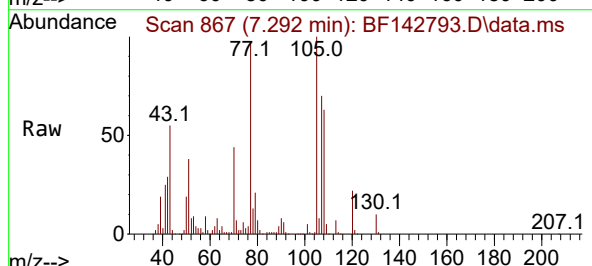
Ion Ratio Lower Upper

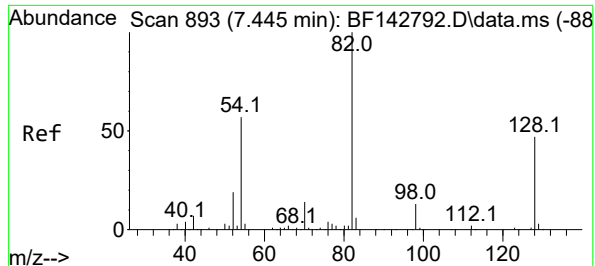
105 100

71 7.4 6.5 9.7

51 38.4 29.8 44.8

120 22.1 18.2 27.2





#23

Nitrobenzene-d5

Concen: 105.669 ng

RT: 7.451 min Scan# 894

Delta R.T. 0.006 min

Lab File: BF142793.D

Acq: 19 Jun 2025 19:40

Instrument :

BNA_F

ClientSampleId :

SSTDICC050

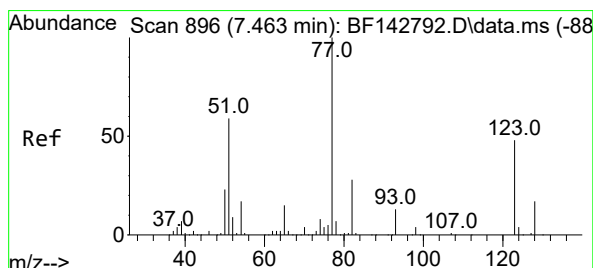
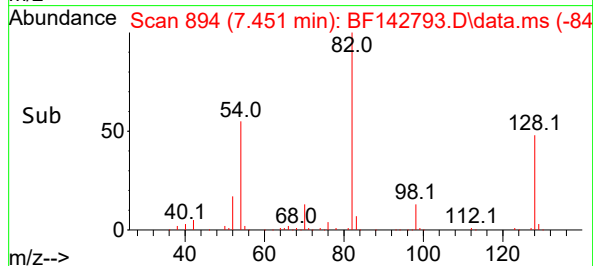
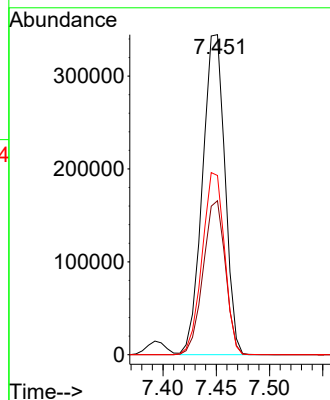
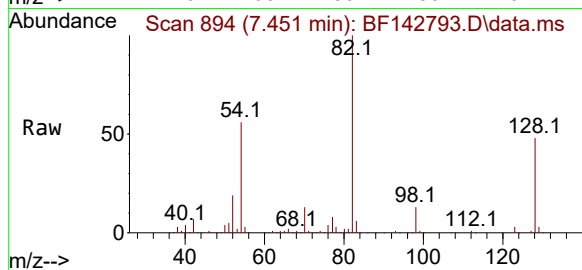
Tgt Ion: 82 Resp: 506846

Ion Ratio Lower Upper

82 100

128 48.1 37.7 56.5

54 56.0 45.7 68.5



#24

Nitrobenzene

Concen: 53.773 ng

RT: 7.469 min Scan# 897

Delta R.T. 0.006 min

Lab File: BF142793.D

Acq: 19 Jun 2025 19:40

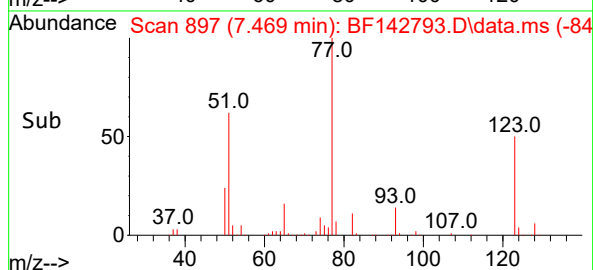
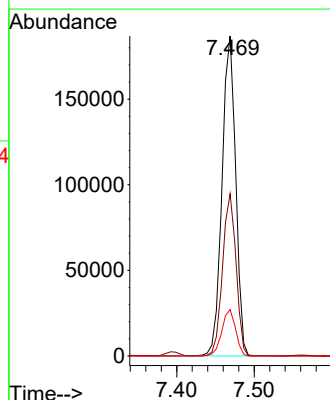
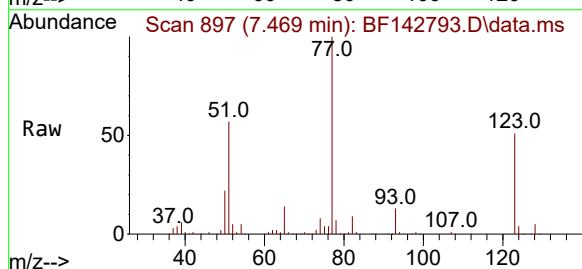
Tgt Ion: 77 Resp: 229219

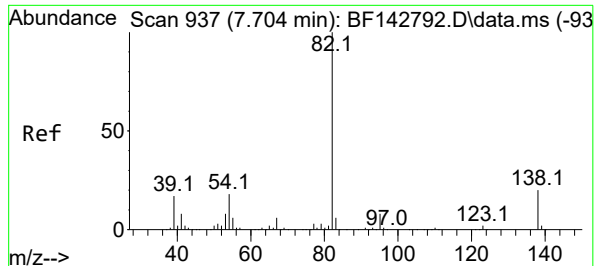
Ion Ratio Lower Upper

77 100

123 50.7 39.2 58.8

65 14.5 11.6 17.4

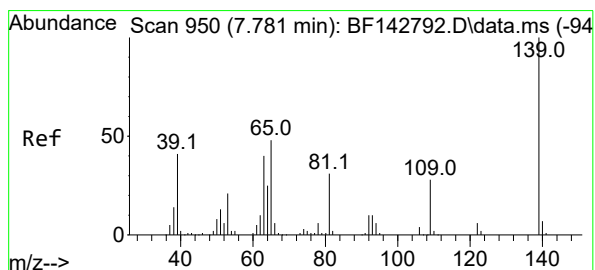
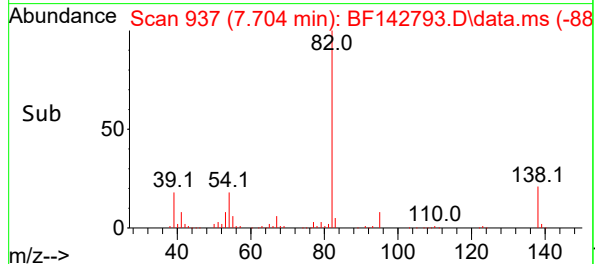
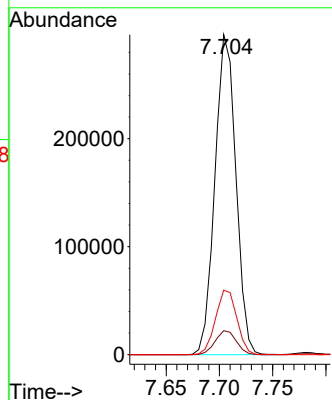
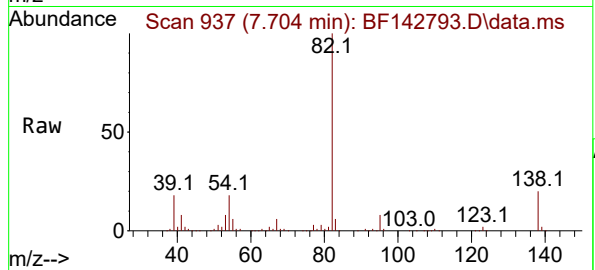




#25
Isophorone
Concen: 50.334 ng
RT: 7.704 min Scan# 91
Delta R.T. -0.000 min
Lab File: BF142793.D
Acq: 19 Jun 2025 19:40

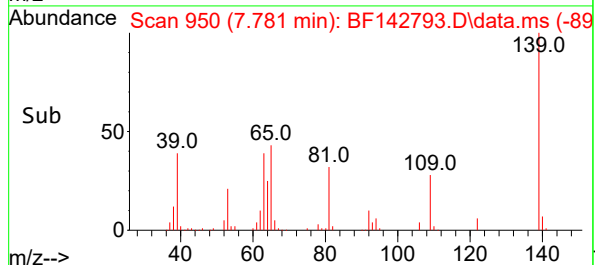
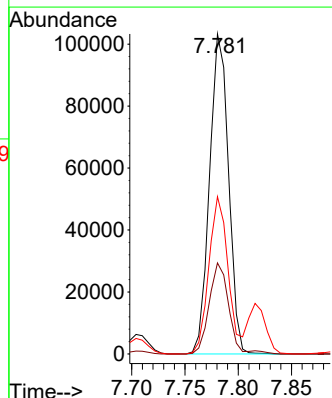
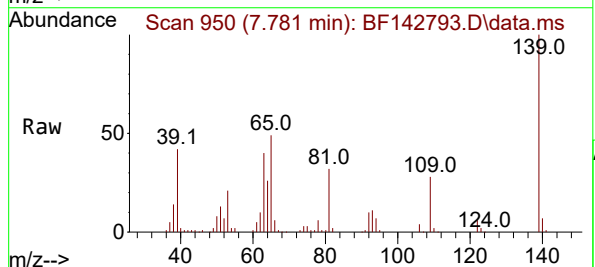
Instrument :
BNA_F
ClientSampleId :
SSTDICC050

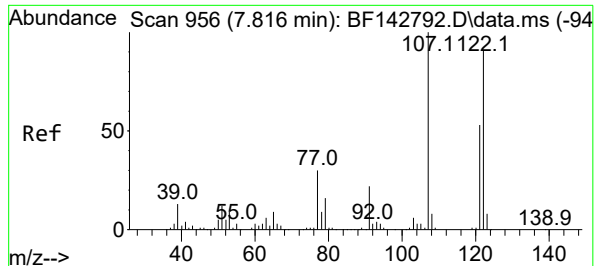
Tgt Ion: 82 Resp: 404886
Ion Ratio Lower Upper
82 100
95 7.5 6.2 9.2
138 20.2 16.2 24.4



#26
2-Nitrophenol
Concen: 53.795 ng
RT: 7.781 min Scan# 950
Delta R.T. -0.000 min
Lab File: BF142793.D
Acq: 19 Jun 2025 19:40

Tgt Ion:139 Resp: 127773
Ion Ratio Lower Upper
139 100
109 28.5 22.7 34.1
65 49.1 38.6 58.0





#27

2,4-Dimethylphenol

Concen: 53.466 ng

RT: 7.816 min Scan# 91

Delta R.T. -0.000 min

Lab File: BF142793.D

Acq: 19 Jun 2025 19:40

Instrument :

BNA_F

ClientSampleId :

SSTDICC050

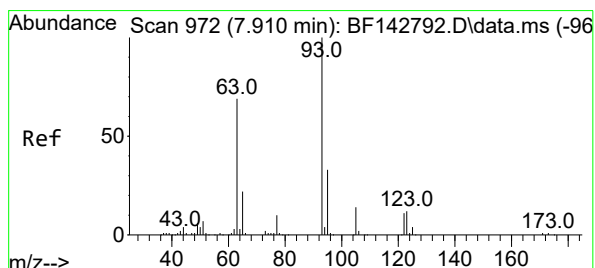
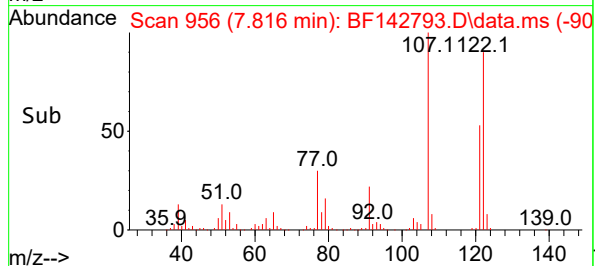
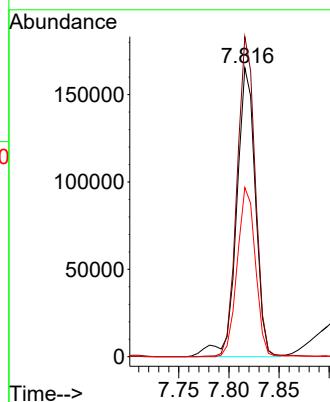
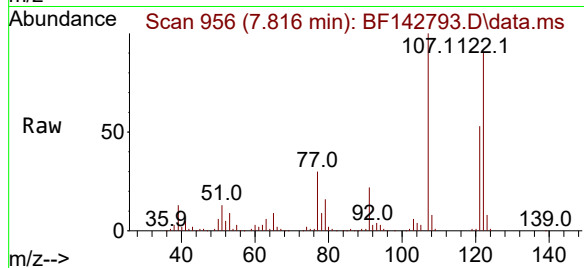
Tgt Ion:122 Resp: 216204

Ion Ratio Lower Upper

122 100

107 110.8 88.0 132.0

121 58.5 46.3 69.5



#28

bis(2-Chloroethoxy)methane

Concen: 51.148 ng

RT: 7.916 min Scan# 973

Delta R.T. 0.006 min

Lab File: BF142793.D

Acq: 19 Jun 2025 19:40

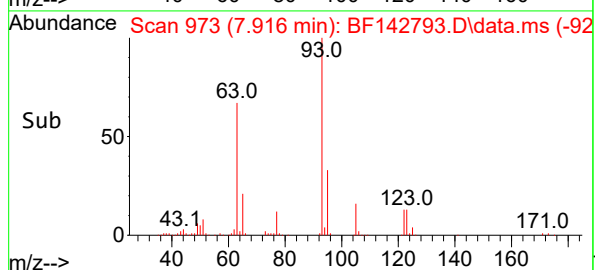
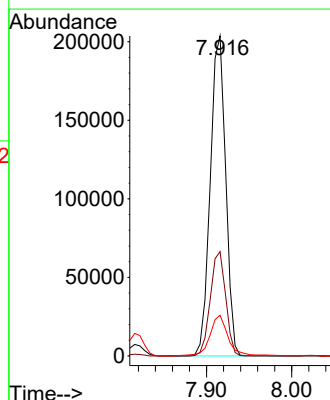
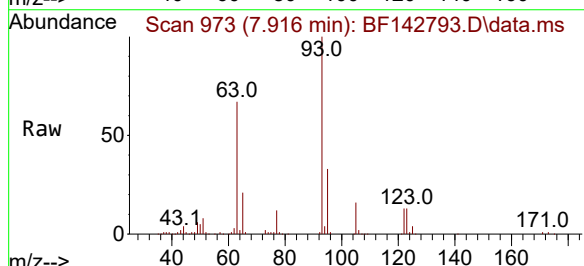
Tgt Ion: 93 Resp: 256119

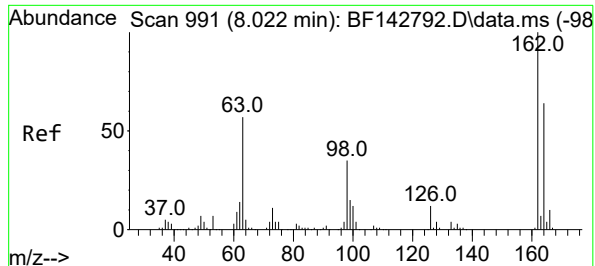
Ion Ratio Lower Upper

93 100

95 32.6 26.2 39.2

123 12.7 9.9 14.9





#29

2,4-Dichlorophenol

Concen: 52.478 ng

RT: 8.022 min Scan# 991

Delta R.T. -0.000 min

Lab File: BF142793.D

Acq: 19 Jun 2025 19:40

Instrument :

BNA_F

ClientSampleId :

SSTDIC050

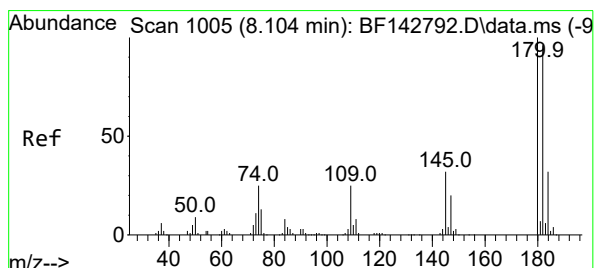
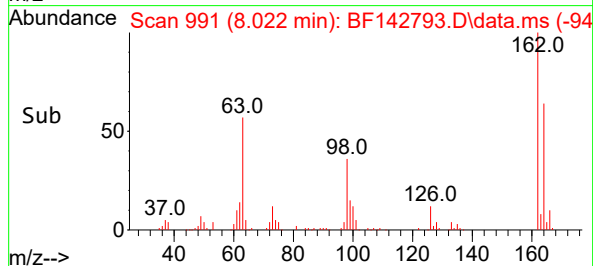
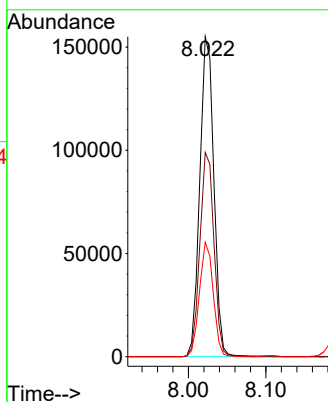
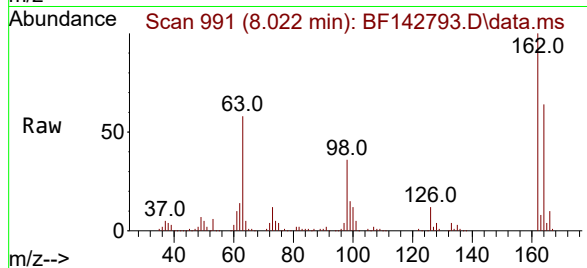
Tgt Ion:162 Resp: 195589

Ion Ratio Lower Upper

162 100

164 63.8 44.0 84.0

98 35.8 15.4 55.4



#30

1,2,4-Trichlorobenzene

Concen: 51.763 ng

RT: 8.104 min Scan# 1005

Delta R.T. -0.000 min

Lab File: BF142793.D

Acq: 19 Jun 2025 19:40

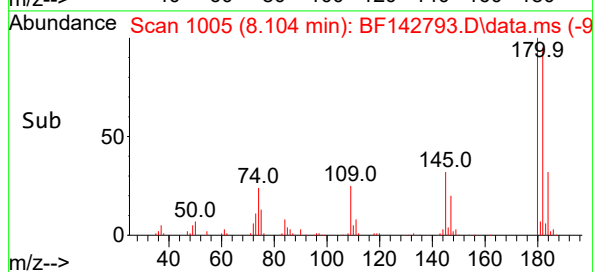
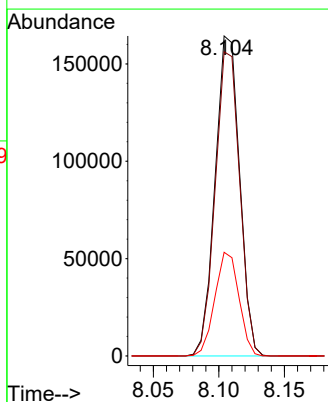
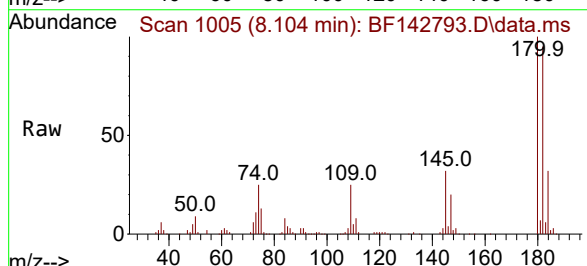
Tgt Ion:180 Resp: 213118

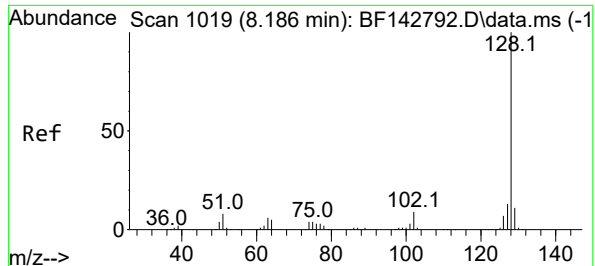
Ion Ratio Lower Upper

180 100

182 95.1 76.4 114.6

145 32.4 25.8 38.8





#31

Naphthalene

Concen: 51.717 ng

RT: 8.186 min Scan# 1019

Delta R.T. -0.000 min

Lab File: BF142793.D

Acq: 19 Jun 2025 19:40

Instrument :

BNA_F

ClientSampleId :

SSTDICC050

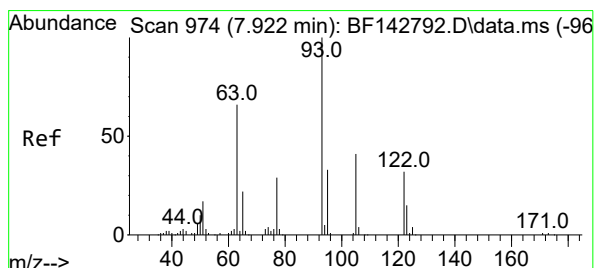
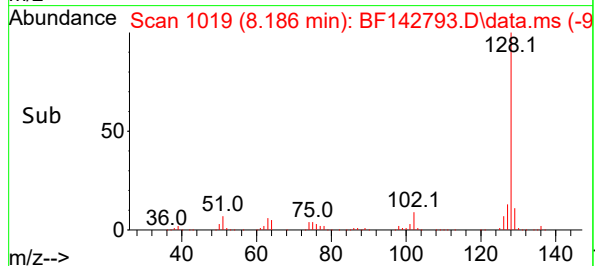
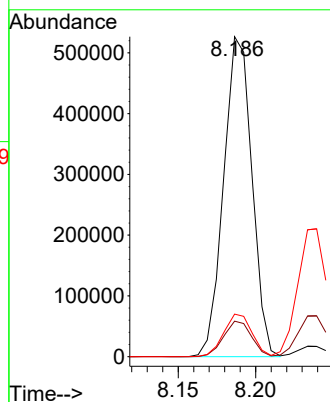
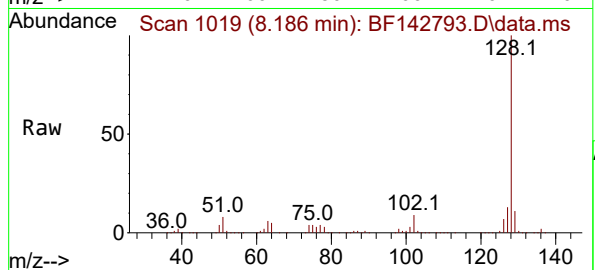
Tgt Ion:128 Resp: 668713

Ion Ratio Lower Upper

128 100

129 11.1 8.9 13.3

127 13.3 10.4 15.6



#32

Benzoic acid

Concen: 53.128 ng

RT: 7.933 min Scan# 976

Delta R.T. 0.012 min

Lab File: BF142793.D

Acq: 19 Jun 2025 19:40

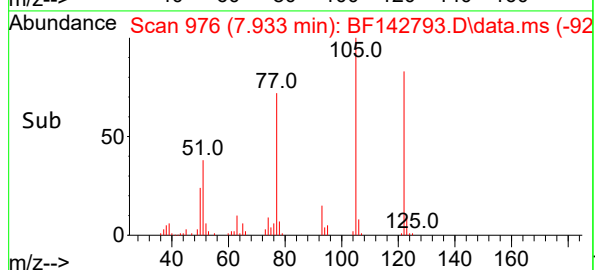
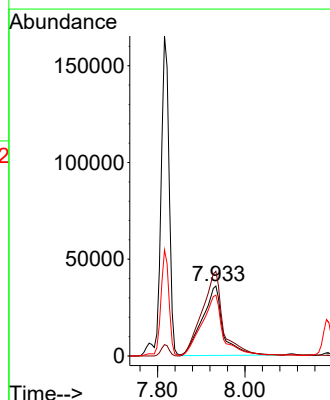
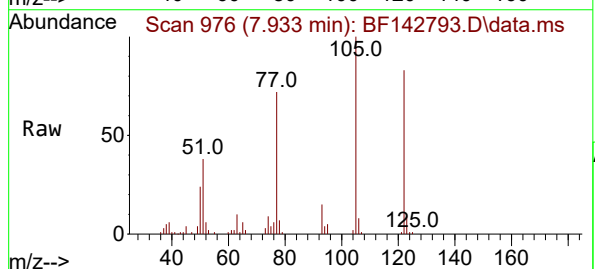
Tgt Ion:122 Resp: 119196

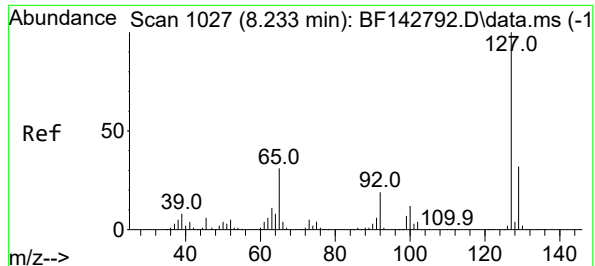
Ion Ratio Lower Upper

122 100

105 121.1 104.7 144.7

77 87.0 70.2 110.2





#33

4-Chloroaniline

Concen: 53.347 ng

RT: 8.239 min Scan# 1027

Delta R.T. 0.006 min

Lab File: BF142793.D

Acq: 19 Jun 2025 19:40

Instrument :

BNA_F

ClientSampleId :

SSTDICC050

Tgt Ion:127 Resp: 276441

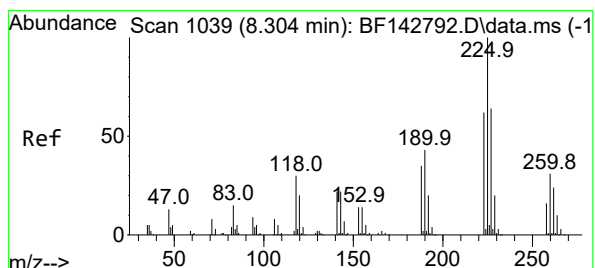
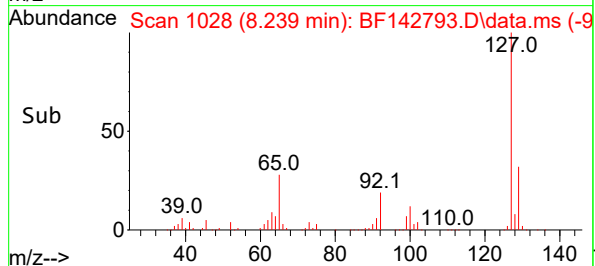
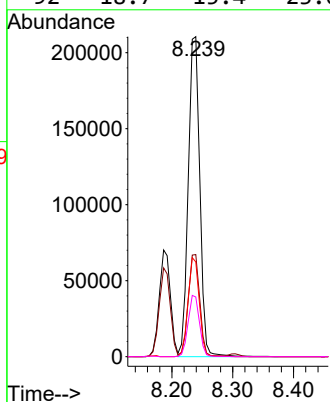
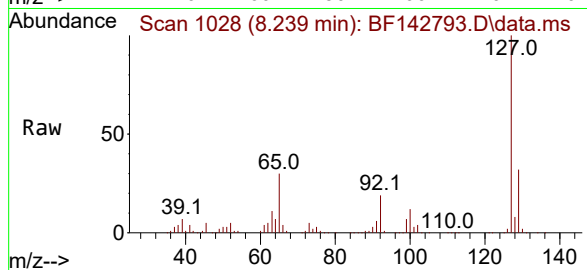
Ion Ratio Lower Upper

127 100

129 31.9 25.9 38.9

65 29.6 24.6 36.8

92 18.7 15.4 23.0



#34

Hexachlorobutadiene

Concen: 50.481 ng

RT: 8.304 min Scan# 1039

Delta R.T. -0.000 min

Lab File: BF142793.D

Acq: 19 Jun 2025 19:40

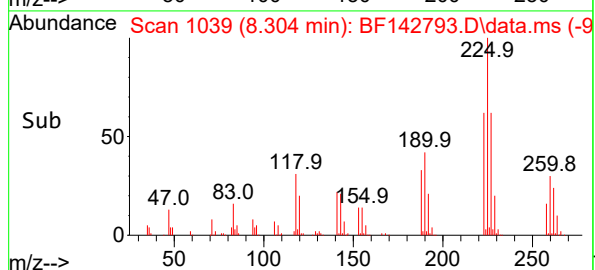
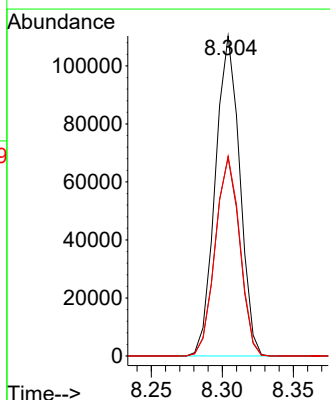
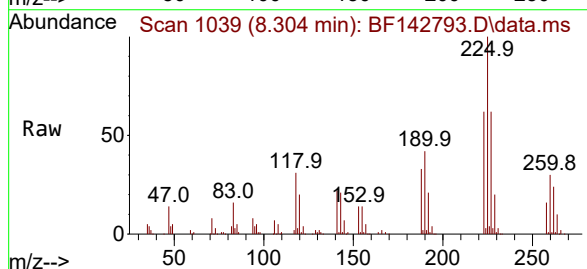
Tgt Ion:225 Resp: 131697

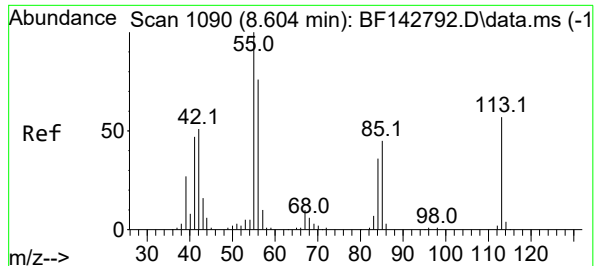
Ion Ratio Lower Upper

225 100

223 62.0 49.9 74.9

227 62.4 51.4 77.0

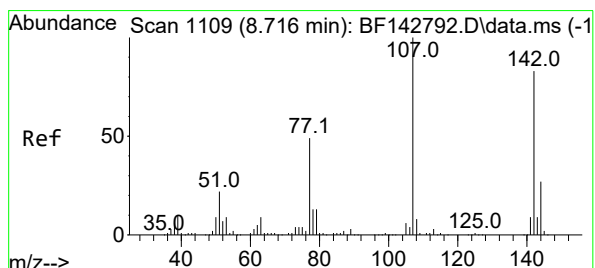
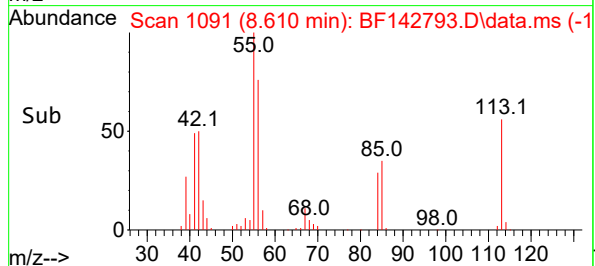
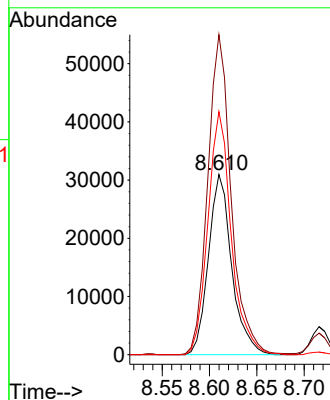
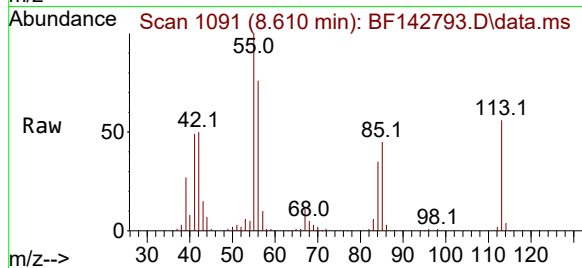




#35
Caprolactam
Concen: 52.873 ng
RT: 8.610 min Scan# 1091
Delta R.T. 0.006 min
Lab File: BF142793.D
Acq: 19 Jun 2025 19:40

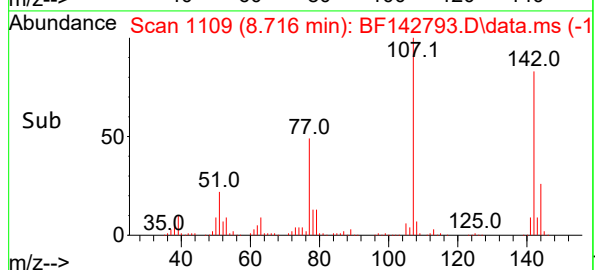
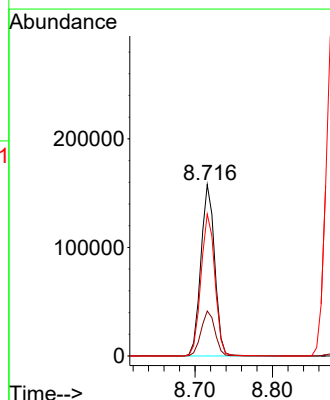
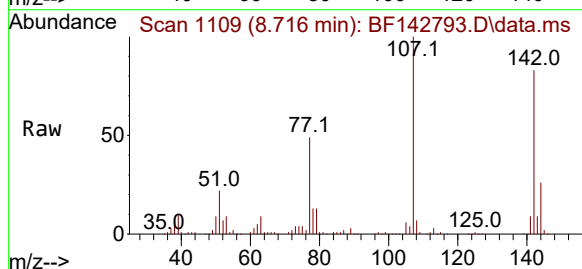
Instrument :
BNA_F
ClientSampleId :
SSTDICC050

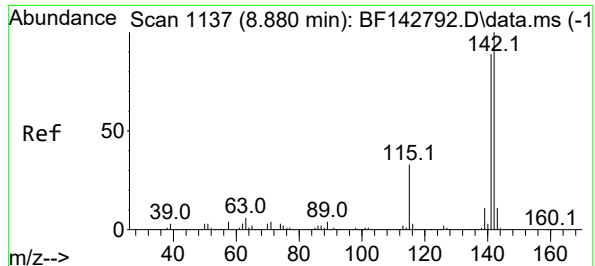
Tgt Ion:113 Resp: 53024
Ion Ratio Lower Upper
113 100
55 177.6 154.4 194.4
56 134.9 112.1 152.1



#36
4-Chloro-3-methylphenol
Concen: 50.843 ng
RT: 8.716 min Scan# 1109
Delta R.T. -0.000 min
Lab File: BF142793.D
Acq: 19 Jun 2025 19:40

Tgt Ion:107 Resp: 195744
Ion Ratio Lower Upper
107 100
144 26.3 21.3 31.9
142 82.9 66.6 100.0

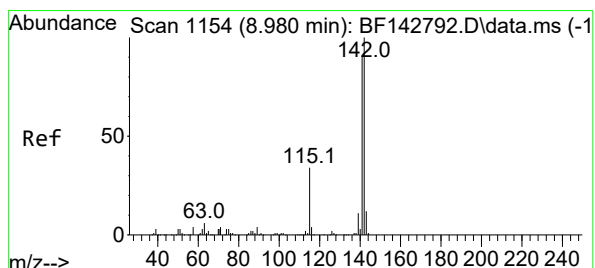
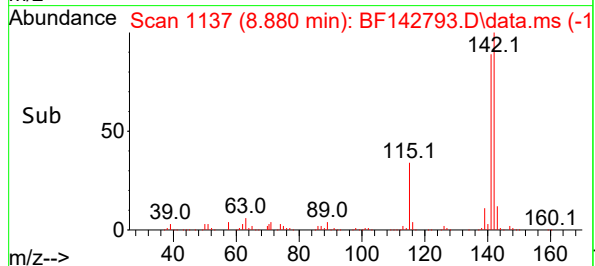
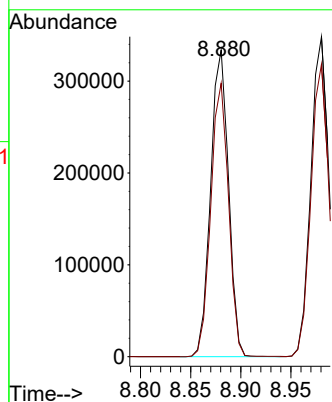
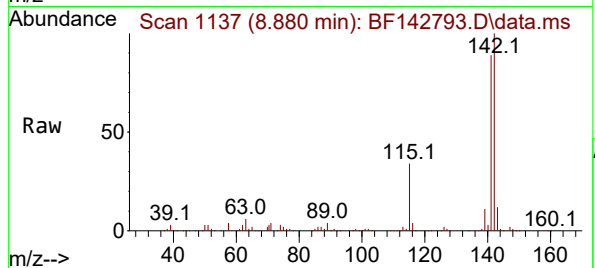




#37
2-Methylnaphthalene
Concen: 50.859 ng
RT: 8.880 min Scan# 1137
Delta R.T. -0.000 min
Lab File: BF142793.D
Acq: 19 Jun 2025 19:40

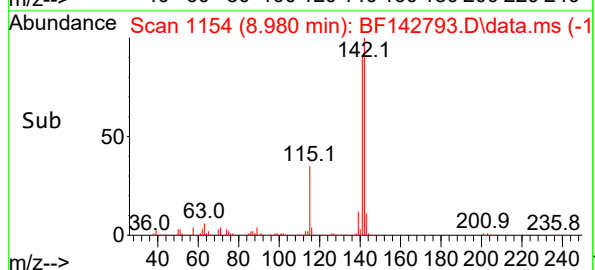
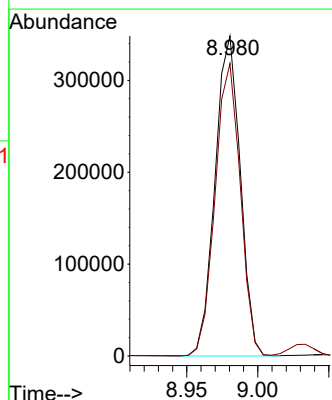
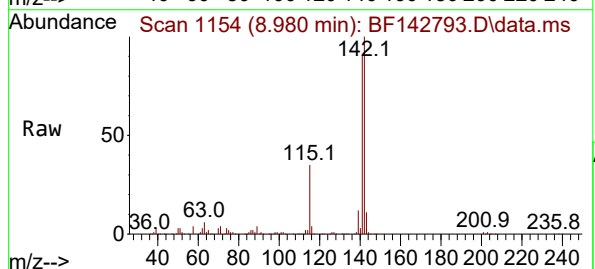
Instrument :
BNA_F
ClientSampleId :
SSTDICC050

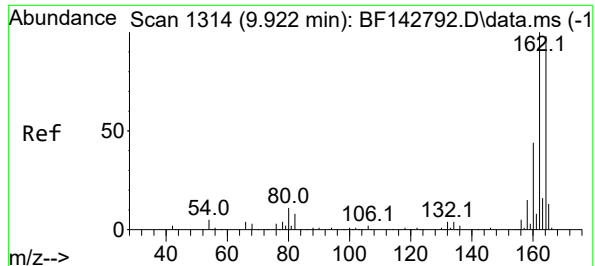
Tgt Ion:142 Resp: 414854
Ion Ratio Lower Upper
142 100
141 89.1 70.9 106.3



#38
1-Methylnaphthalene
Concen: 50.792 ng
RT: 8.980 min Scan# 1154
Delta R.T. -0.000 min
Lab File: BF142793.D
Acq: 19 Jun 2025 19:40

Tgt Ion:142 Resp: 430144
Ion Ratio Lower Upper
142 100
141 91.4 73.0 109.4





#39

Acenaphthene-d10

Concen: 20.000 ng

RT: 9.922 min Scan# 1165

Delta R.T. -0.000 min

Lab File: BF142793.D

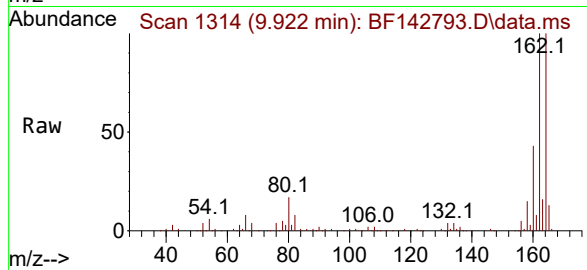
Acq: 19 Jun 2025 19:40

Instrument :

BNA_F

ClientSampleId :

SSTDICC050



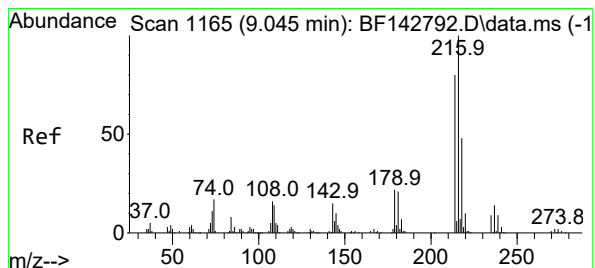
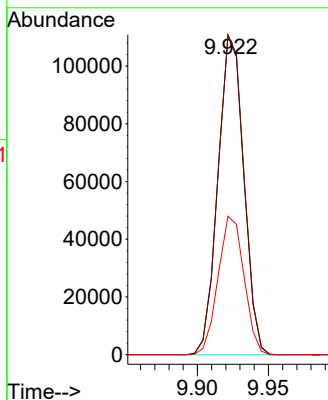
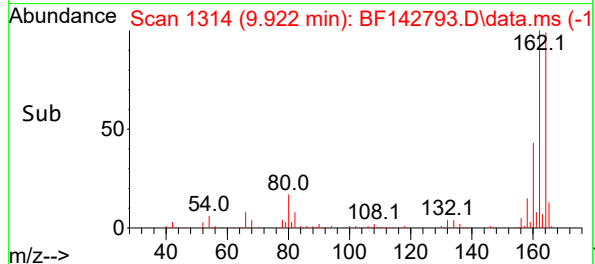
Tgt Ion:164 Resp: 139156

Ion Ratio Lower Upper

164 100

162 100.3 81.8 122.8

160 43.4 36.0 54.0



#40

1,2,4,5-Tetrachlorobenzene

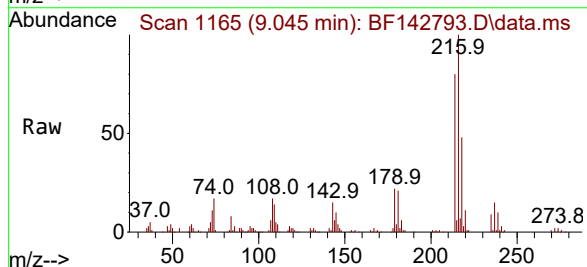
Concen: 51.779 ng

RT: 9.045 min Scan# 1165

Delta R.T. -0.000 min

Lab File: BF142793.D

Acq: 19 Jun 2025 19:40



Tgt Ion:216 Resp: 207997

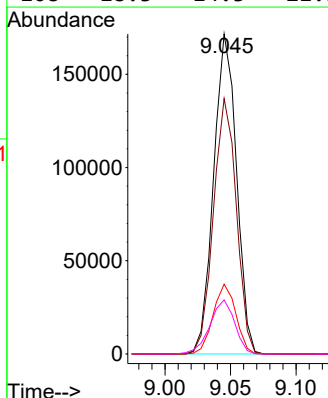
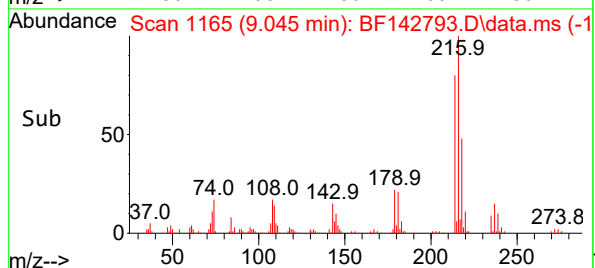
Ion Ratio Lower Upper

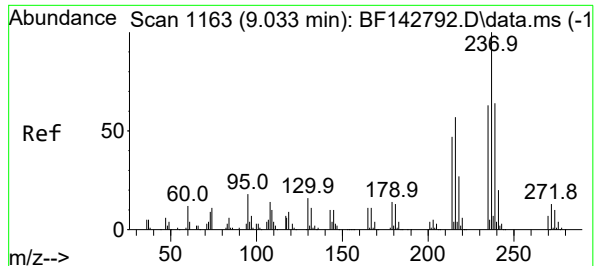
216 100

214 79.7 63.7 95.5

179 21.6 17.6 26.4

108 18.3 14.3 21.5

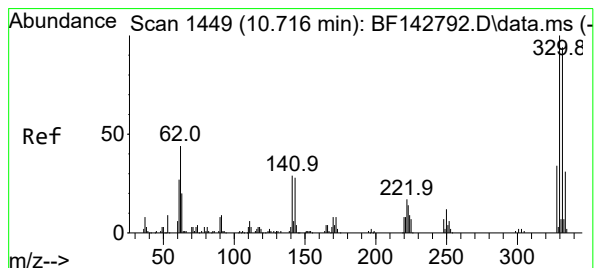
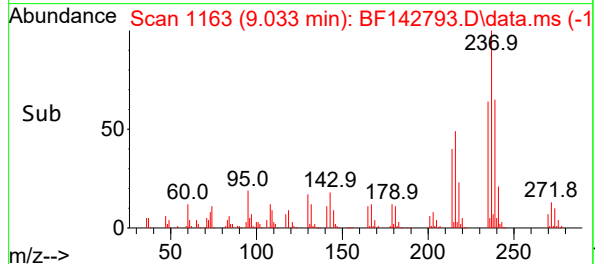
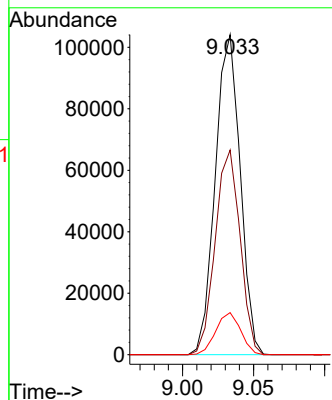
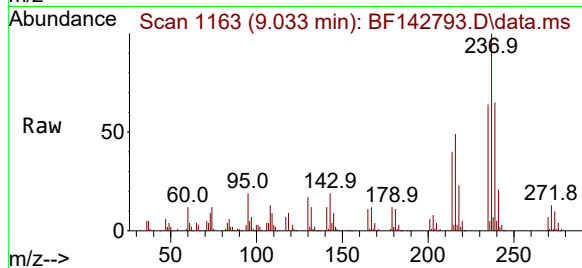




#41
Hexachlorocyclopentadiene
Concen: 50.012 ng
RT: 9.033 min Scan# 1163
Delta R.T. -0.000 min
Lab File: BF142793.D
Acq: 19 Jun 2025 19:40

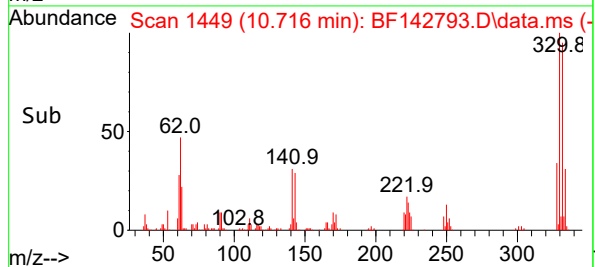
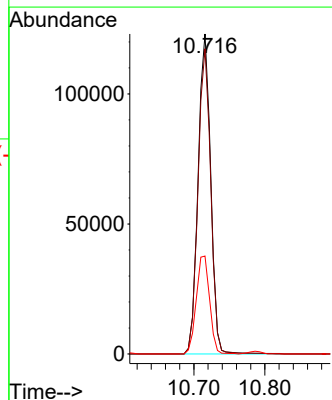
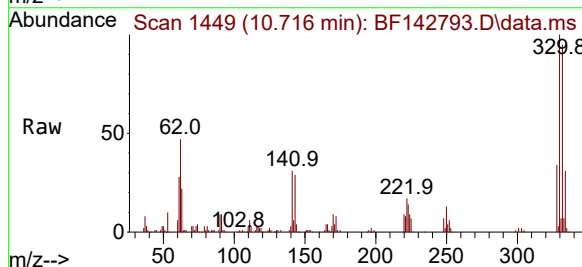
Instrument :
BNA_F
ClientSampleId :
SSTDICC050

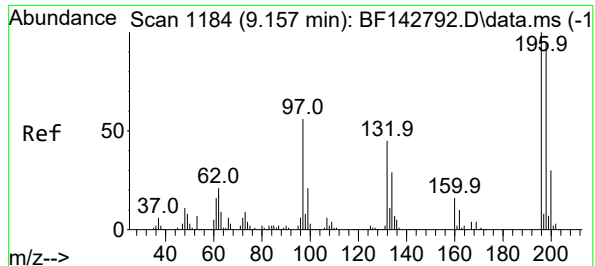
Tgt Ion:237 Resp: 127033
Ion Ratio Lower Upper
237 100
235 64.0 43.4 83.4
272 13.2 0.0 32.7



#42
2,4,6-Tribromophenol
Concen: 100.743 ng
RT: 10.716 min Scan# 1449
Delta R.T. -0.000 min
Lab File: BF142793.D
Acq: 19 Jun 2025 19:40

Tgt Ion:330 Resp: 152358
Ion Ratio Lower Upper
330 100
332 96.1 75.0 112.6
141 32.3 25.3 37.9





#43

2,4,6-Trichlorophenol

Concen: 54.597 ng

RT: 9.157 min Scan# 1184

Delta R.T. -0.000 min

Lab File: BF142793.D

Acq: 19 Jun 2025 19:40

Instrument :

BNA_F

ClientSampleId :

SSTDICC050

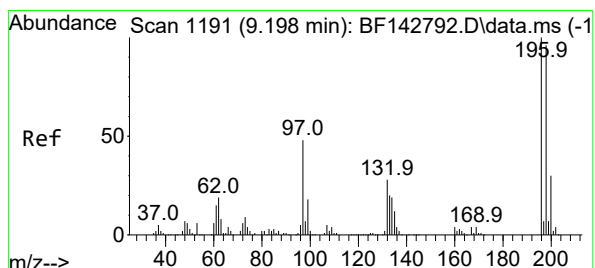
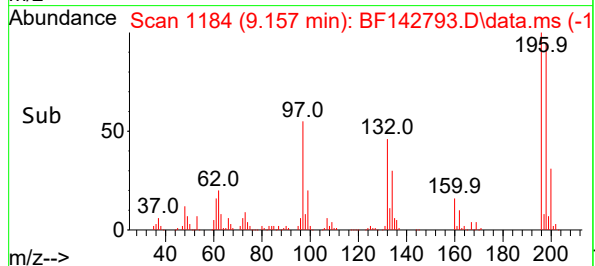
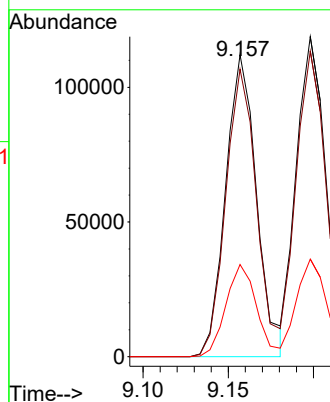
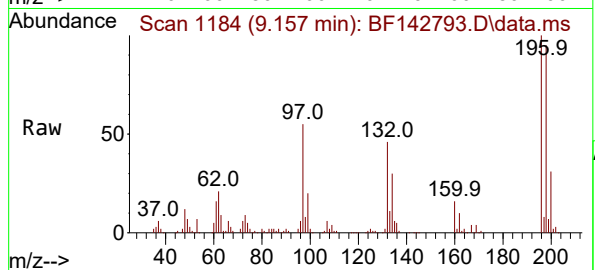
Tgt Ion:196 Resp: 141932

Ion Ratio Lower Upper

196 100

198 95.2 76.2 114.2

200 30.5 24.1 36.1



#44

2,4,5-Trichlorophenol

Concen: 51.550 ng

RT: 9.198 min Scan# 1191

Delta R.T. -0.000 min

Lab File: BF142793.D

Acq: 19 Jun 2025 19:40

Tgt Ion:196 Resp: 144717

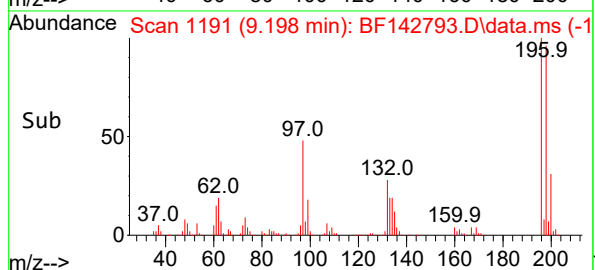
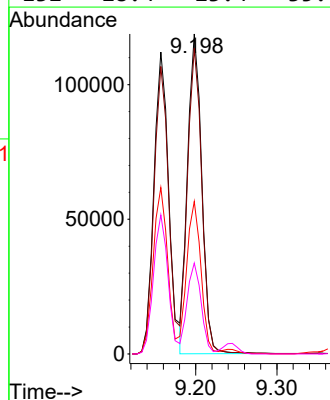
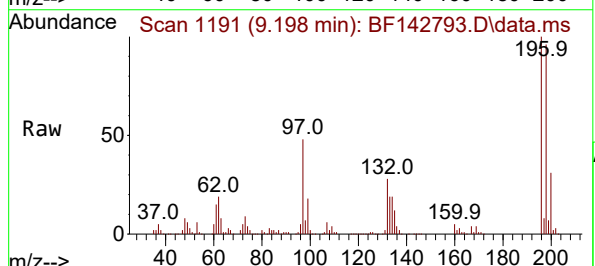
Ion Ratio Lower Upper

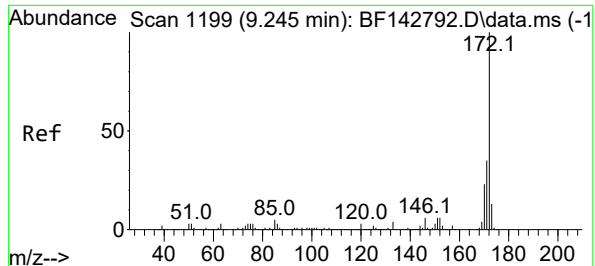
196 100

198 95.5 76.6 115.0

97 47.7 38.2 57.2

132 28.4 23.4 35.0





#45

2-Fluorobiphenyl

Concen: 99.755 ng

RT: 9.245 min Scan# 1199

Delta R.T. -0.000 min

Lab File: BF142793.D

Acq: 19 Jun 2025 19:40

Instrument :

BNA_F

ClientSampleId :

SSTDICC050

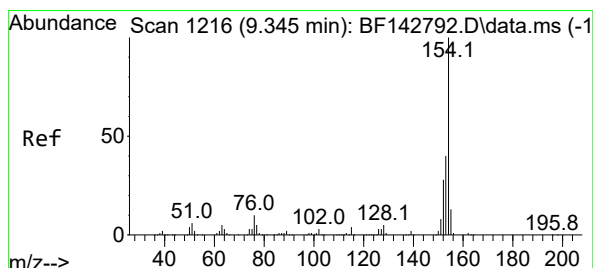
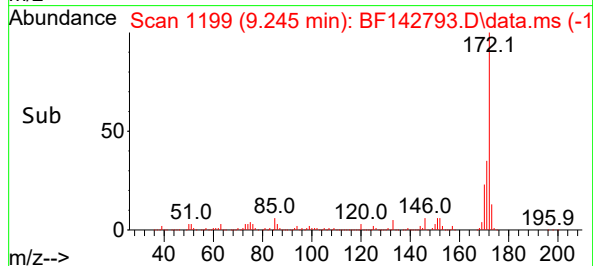
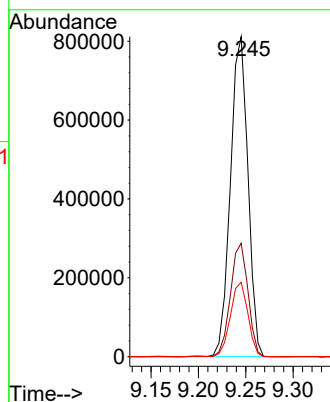
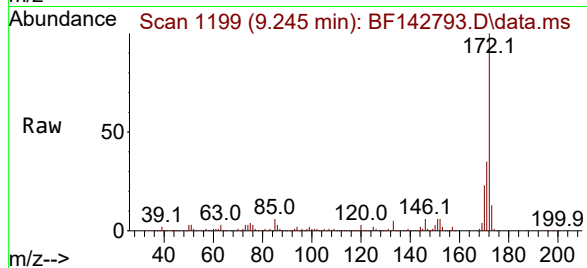
Tgt Ion:172 Resp: 1043477

Ion Ratio Lower Upper

172 100

171 35.5 28.2 42.4

170 23.3 18.5 27.7



#46

1,1'-Biphenyl

Concen: 51.807 ng

RT: 9.345 min Scan# 1216

Delta R.T. -0.000 min

Lab File: BF142793.D

Acq: 19 Jun 2025 19:40

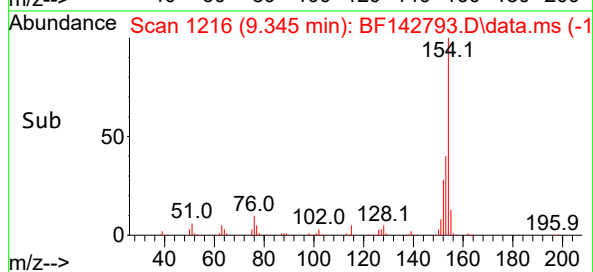
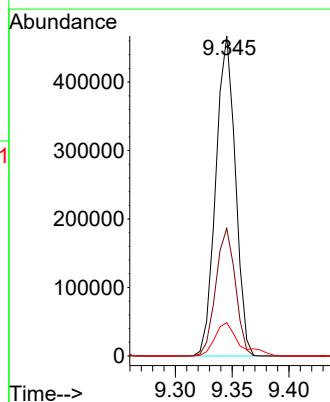
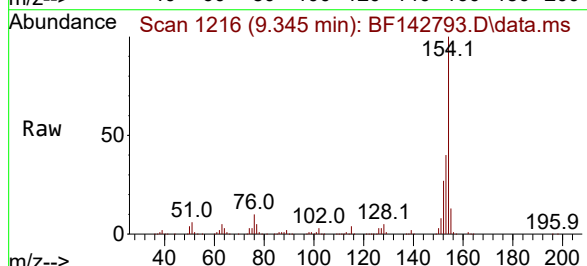
Tgt Ion:154 Resp: 559765

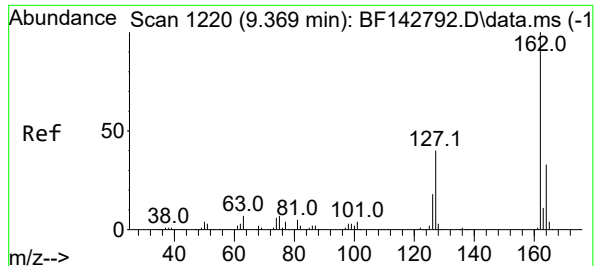
Ion Ratio Lower Upper

154 100

153 39.8 20.3 60.3

76 10.4 0.0 30.3





#47

2-Chloronaphthalene

Concen: 52.754 ng

RT: 9.369 min Scan# 11

Delta R.T. -0.000 min

Lab File: BF142793.D

Acq: 19 Jun 2025 19:40

Instrument :

BNA_F

ClientSampleId :

SSTDICC050

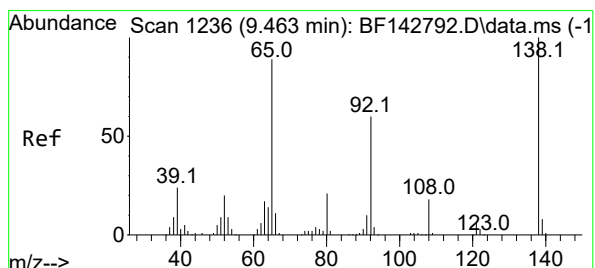
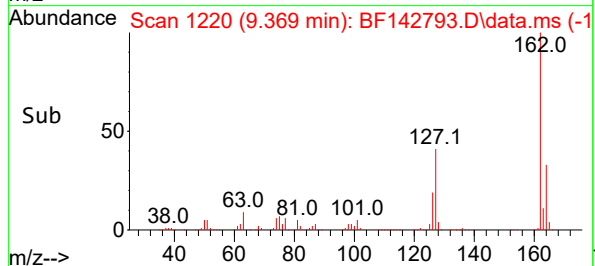
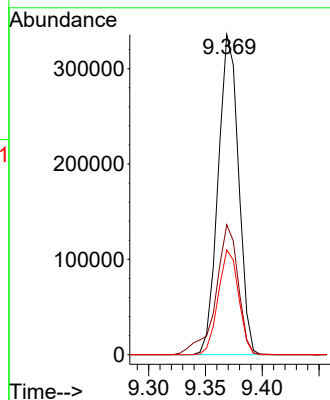
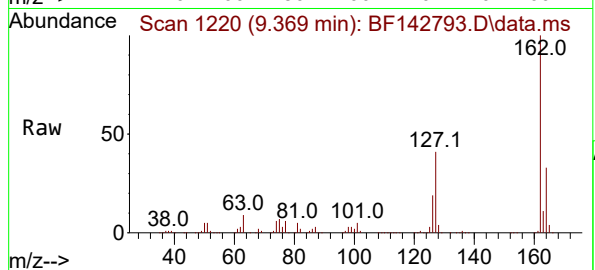
Tgt Ion:162 Resp: 420603

Ion Ratio Lower Upper

162 100

127 40.6 32.2 48.2

164 32.7 26.1 39.1



#48

2-Nitroaniline

Concen: 54.955 ng

RT: 9.463 min Scan# 1236

Delta R.T. -0.000 min

Lab File: BF142793.D

Acq: 19 Jun 2025 19:40

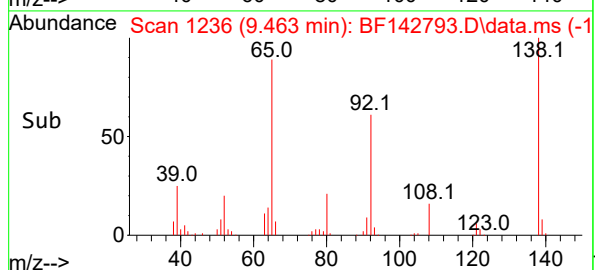
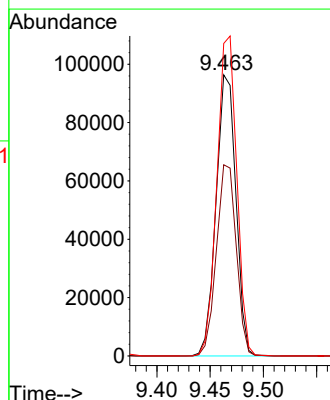
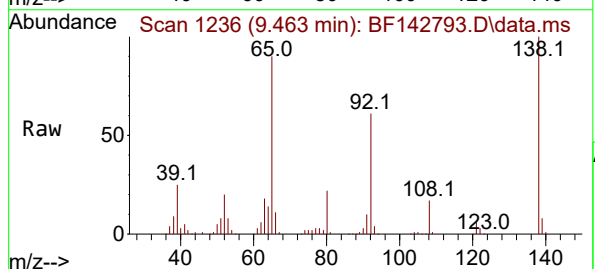
Tgt Ion: 65 Resp: 124478

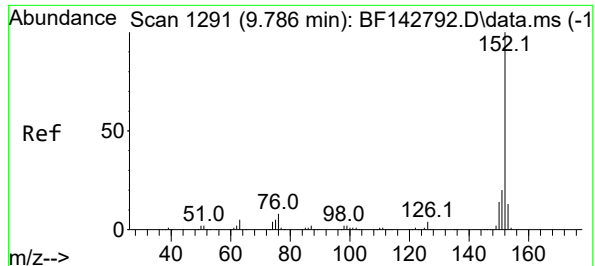
Ion Ratio Lower Upper

65 100

92 68.0 53.8 80.6

138 111.1 89.6 134.4





#49

Acenaphthylene

Concen: 51.783 ng

RT: 9.786 min Scan# 1291

Delta R.T. -0.000 min

Lab File: BF142793.D

Acq: 19 Jun 2025 19:40

Instrument :

BNA_F

ClientSampleId :

SSTDICC050

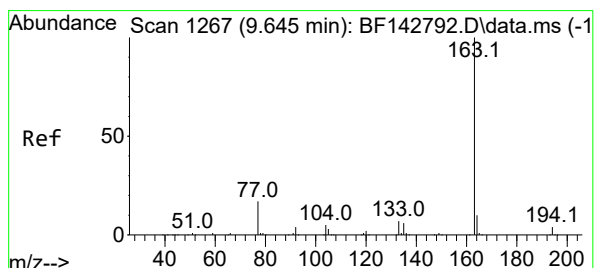
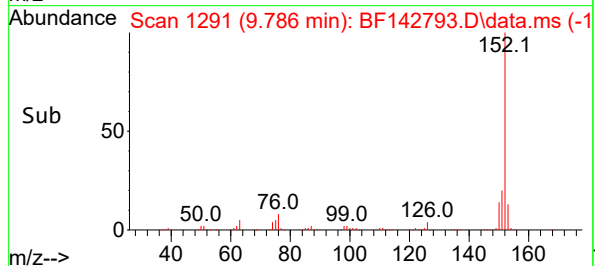
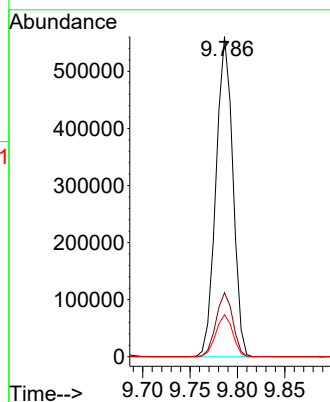
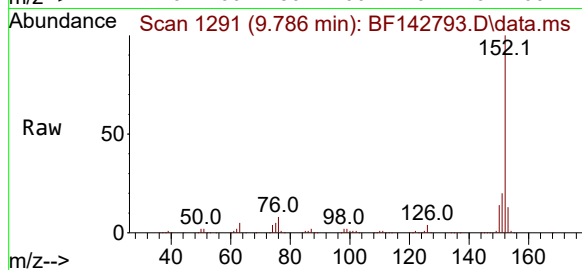
Tgt Ion:152 Resp: 694098

Ion Ratio Lower Upper

152 100

151 20.0 16.1 24.1

153 13.1 10.4 15.6



#50

Dimethylphthalate

Concen: 50.308 ng

RT: 9.645 min Scan# 1267

Delta R.T. -0.000 min

Lab File: BF142793.D

Acq: 19 Jun 2025 19:40

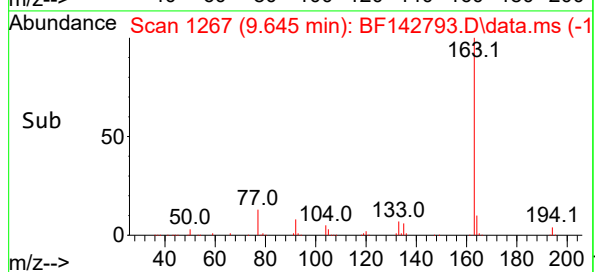
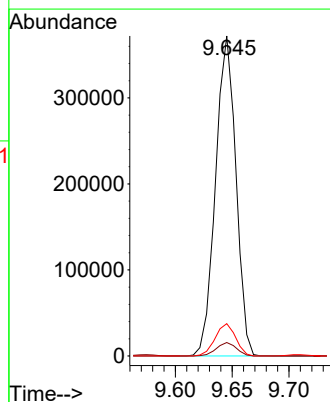
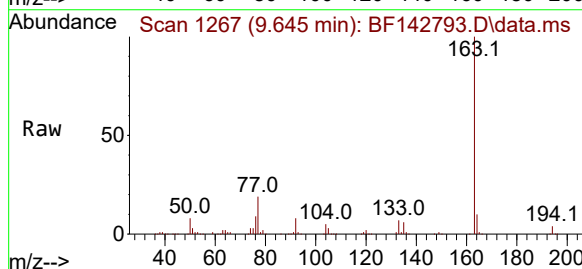
Tgt Ion:163 Resp: 464372

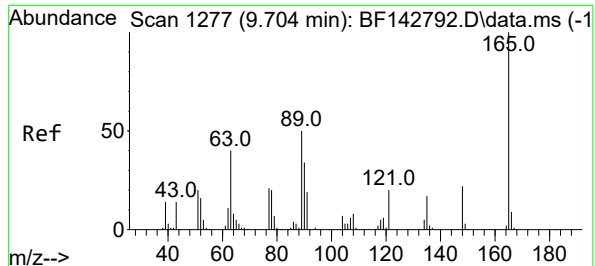
Ion Ratio Lower Upper

163 100

194 4.2 3.3 4.9

164 10.1 8.0 12.0

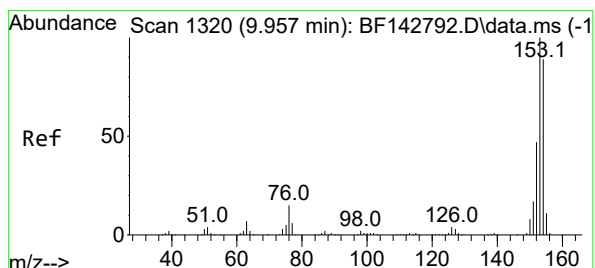
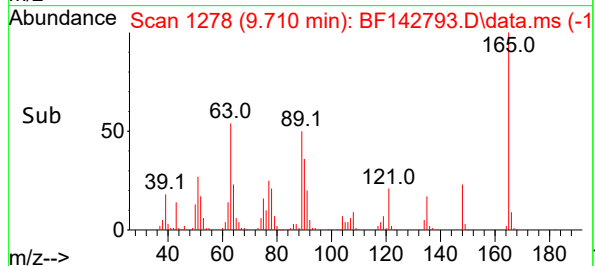
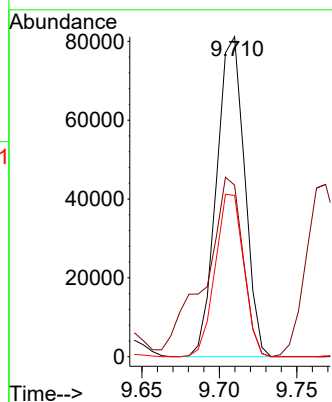
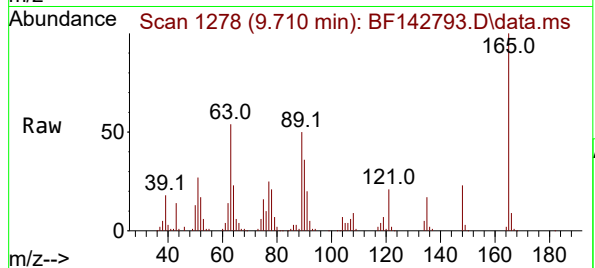




#51
2,6-Dinitrotoluene
Concen: 51.156 ng
RT: 9.710 min Scan# 1277
Delta R.T. 0.006 min
Lab File: BF142793.D
Acq: 19 Jun 2025 19:40

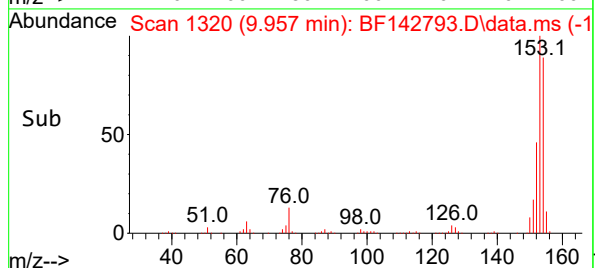
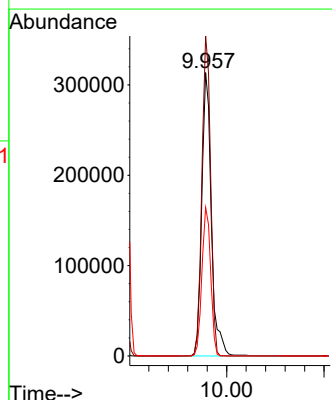
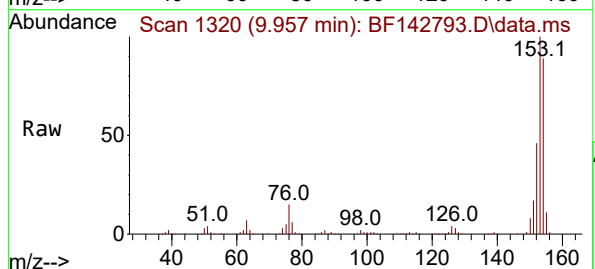
Instrument :
BNA_F
ClientSampleId :
SSTDICC050

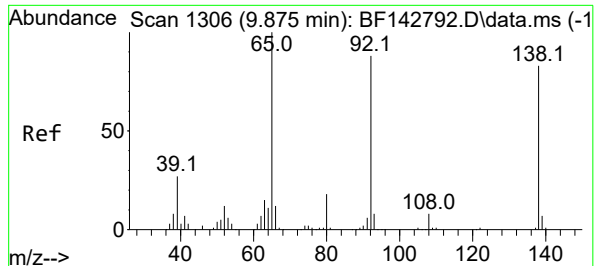
Tgt Ion:165 Resp: 102361
Ion Ratio Lower Upper
165 100
63 53.6 44.2 66.4
89 50.4 39.8 59.8



#52
Acenaphthene
Concen: 51.498 ng
RT: 9.957 min Scan# 1320
Delta R.T. -0.000 min
Lab File: BF142793.D
Acq: 19 Jun 2025 19:40

Tgt Ion:154 Resp: 427135
Ion Ratio Lower Upper
154 100
153 112.9 90.0 135.0
152 52.4 41.9 62.9





#53

3-Nitroaniline

Concen: 54.038 ng

RT: 9.874 min Scan# 11

Delta R.T. -0.000 min

Lab File: BF142793.D

Acq: 19 Jun 2025 19:40

Instrument :

BNA_F

ClientSampleId :

SSTDICC050

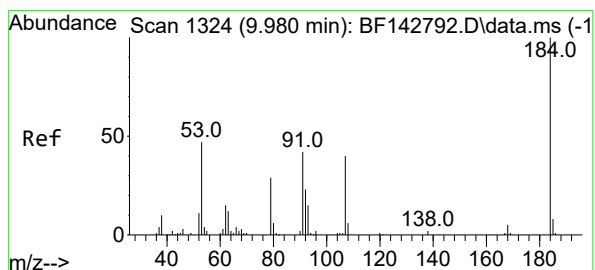
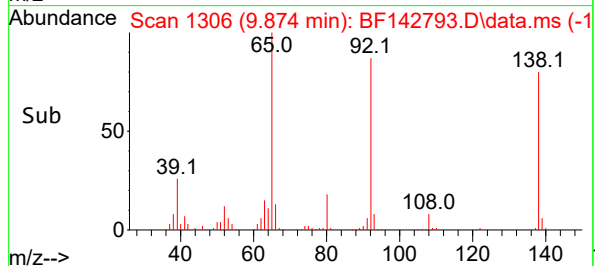
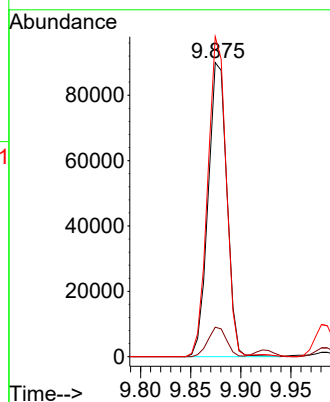
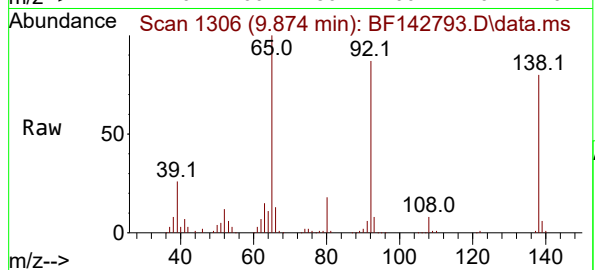
Tgt Ion:138 Resp: 117448

Ion Ratio Lower Upper

138 100

108 10.0 8.1 12.1

92 108.8 85.1 127.7



#54

2,4-Dinitrophenol

Concen: 55.696 ng

RT: 9.986 min Scan# 1325

Delta R.T. 0.006 min

Lab File: BF142793.D

Acq: 19 Jun 2025 19:40

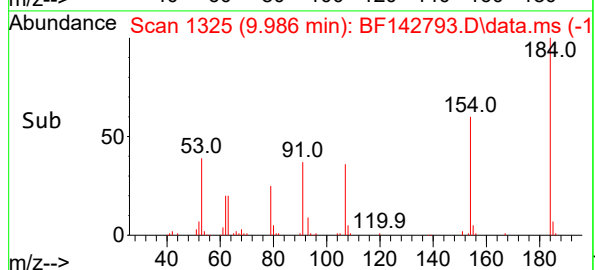
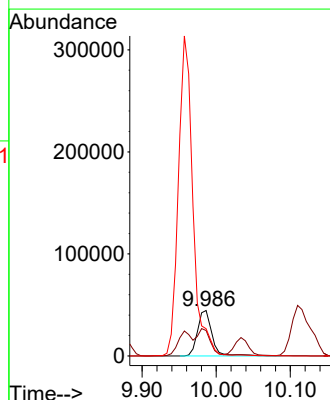
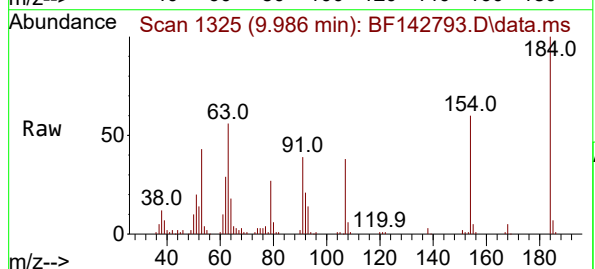
Tgt Ion:184 Resp: 60308

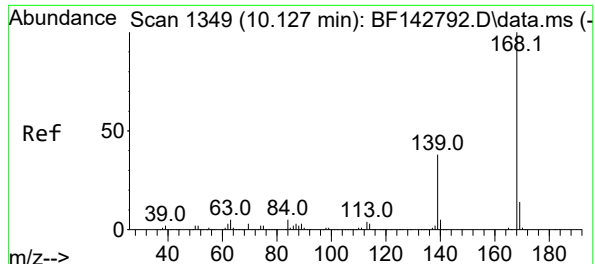
Ion Ratio Lower Upper

184 100

63 56.0 50.6 75.8

154 59.9 51.8 77.8

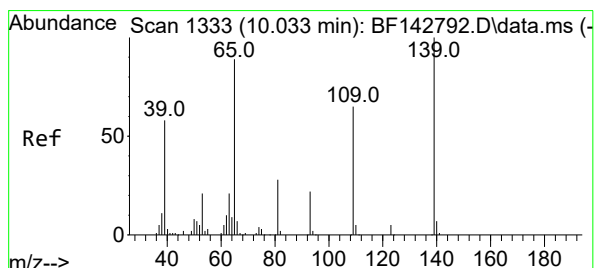
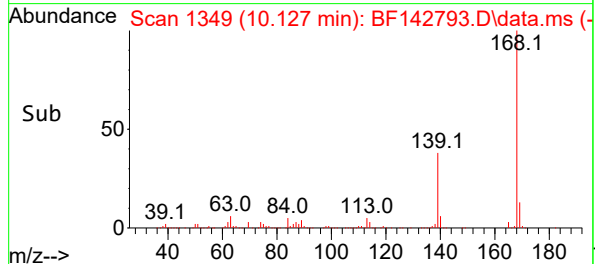
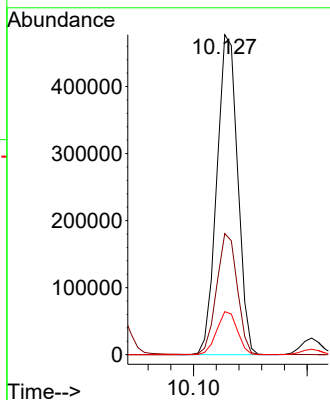
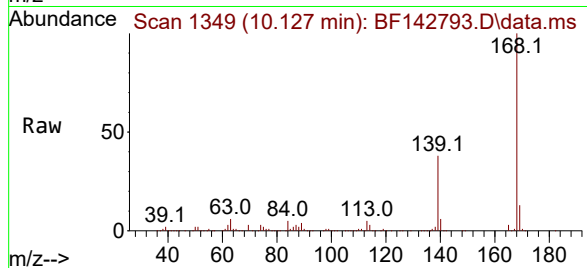




#55
Dibenzofuran
Concen: 51.506 ng
RT: 10.127 min Scan# 1349
Delta R.T. -0.000 min
Lab File: BF142793.D
Acq: 19 Jun 2025 19:40

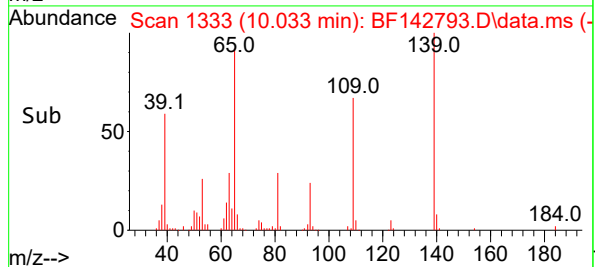
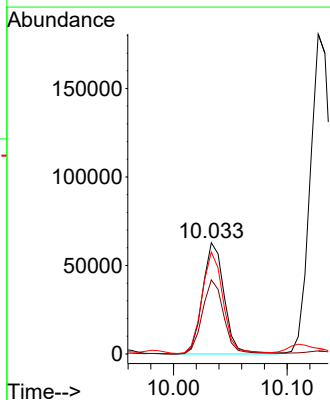
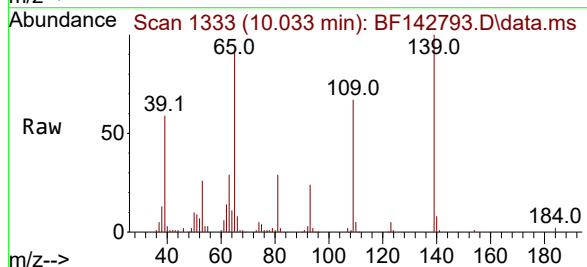
Instrument :
BNA_F
ClientSampleId :
SSTDICC050

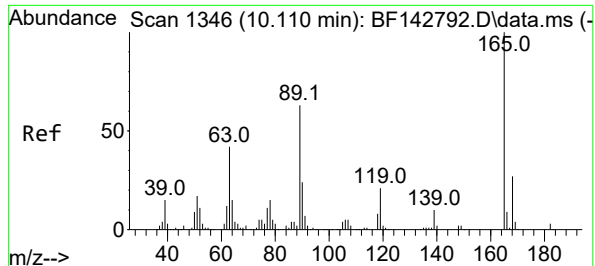
Tgt Ion:168 Resp: 609507
Ion Ratio Lower Upper
168 100
139 37.9 30.2 45.4
169 13.4 10.8 16.2



#56
4-Nitrophenol
Concen: 56.047 ng
RT: 10.033 min Scan# 1333
Delta R.T. -0.000 min
Lab File: BF142793.D
Acq: 19 Jun 2025 19:40

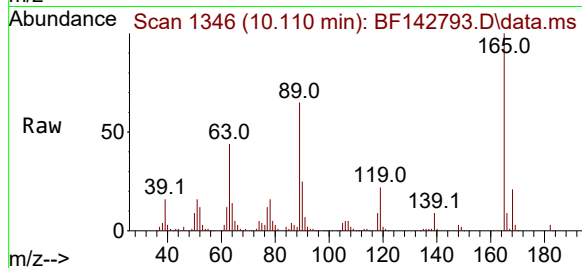
Tgt Ion:139 Resp: 82688
Ion Ratio Lower Upper
139 100
109 66.5 44.7 84.7
65 91.6 69.8 109.8



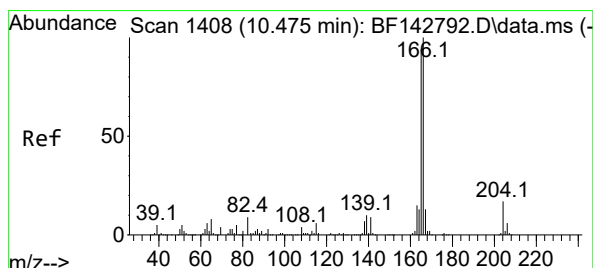
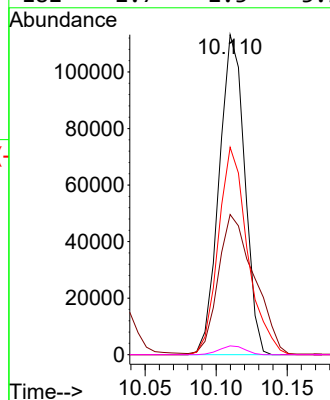
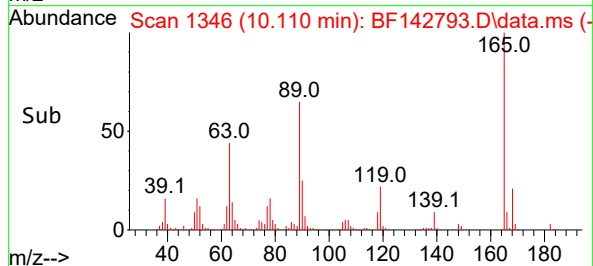


#57
2,4-Dinitrotoluene
Concen: 53.554 ng
RT: 10.110 min Scan# 11
Delta R.T. -0.000 min
Lab File: BF142793.D
Acq: 19 Jun 2025 19:40

Instrument :
BNA_F
ClientSampleId :
SSTDICC050

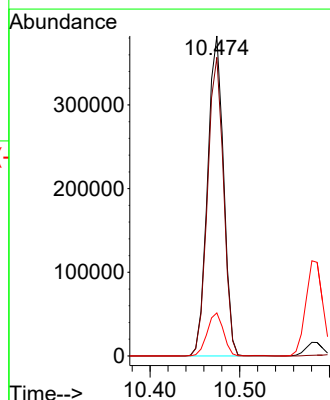
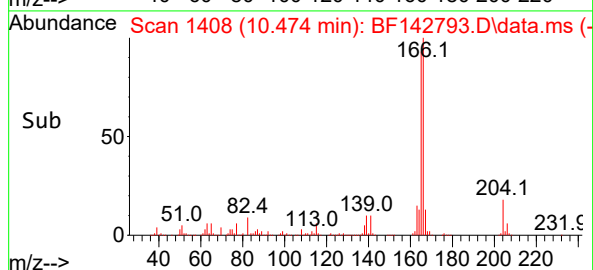
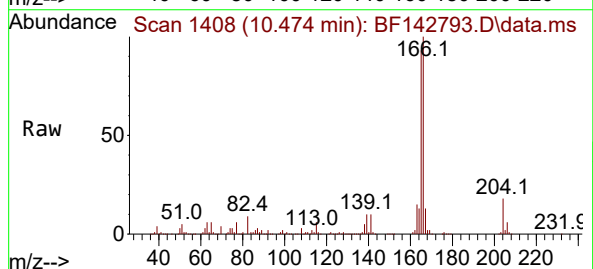


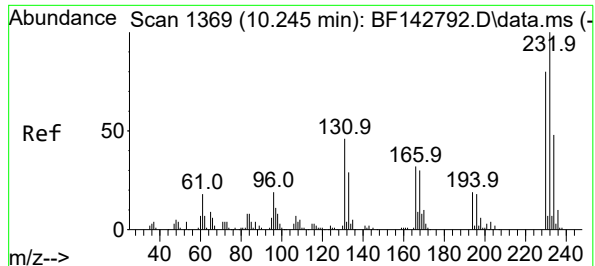
Tgt Ion:165 Resp: 141691
Ion Ratio Lower Upper
165 100
63 43.8 33.9 50.9
89 64.8 50.6 75.8
182 2.7 2.3 3.5



#58
Fluorene
Concen: 50.747 ng
RT: 10.474 min Scan# 1408
Delta R.T. -0.000 min
Lab File: BF142793.D
Acq: 19 Jun 2025 19:40

Tgt Ion:166 Resp: 473968
Ion Ratio Lower Upper
166 100
165 93.3 75.2 112.8
167 13.5 10.6 15.8

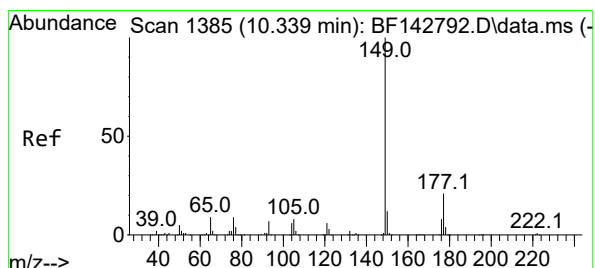
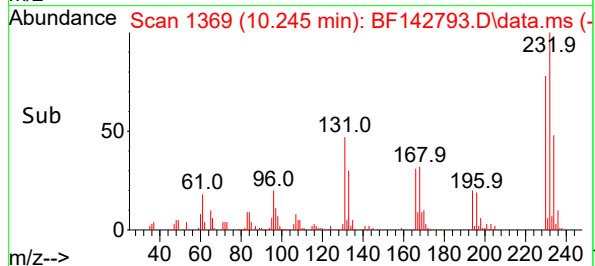
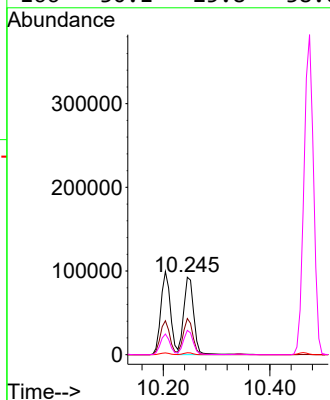
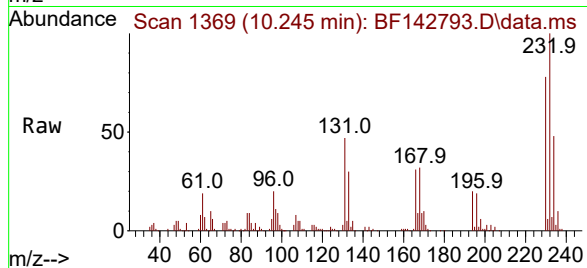




#59
2,3,4,6-Tetrachlorophenol
Concen: 50.988 ng
RT: 10.245 min Scan# 1369
Delta R.T. -0.000 min
Lab File: BF142793.D
Acq: 19 Jun 2025 19:40

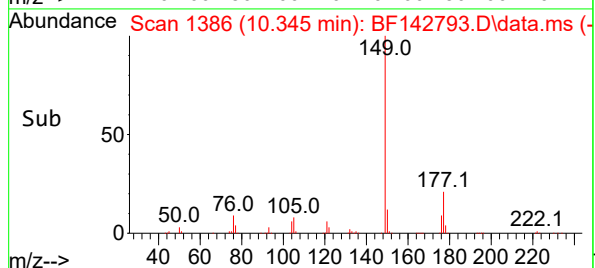
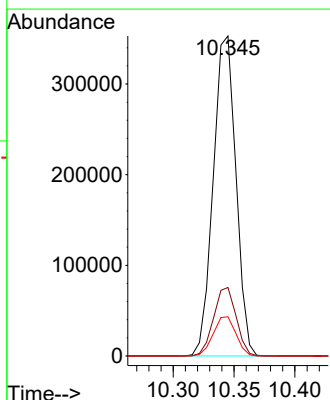
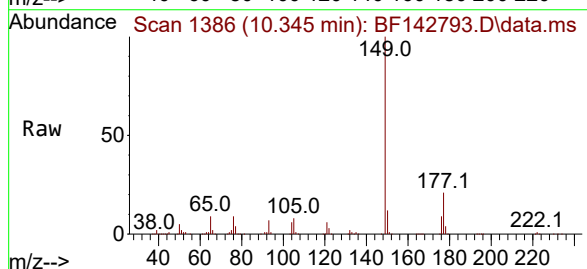
Instrument :
BNA_F
ClientSampleId :
SSTDICC050

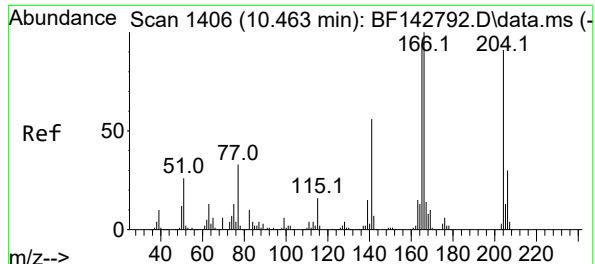
Tgt Ion:232 Resp: 120008
Ion Ratio Lower Upper
232 100
131 44.8 37.6 56.4
130 2.3 1.7 2.5
166 30.1 25.8 38.6



#60
Diethylphthalate
Concen: 50.010 ng
RT: 10.345 min Scan# 1386
Delta R.T. 0.006 min
Lab File: BF142793.D
Acq: 19 Jun 2025 19:40

Tgt Ion:149 Resp: 458546
Ion Ratio Lower Upper
149 100
177 21.4 17.0 25.6
150 12.3 9.8 14.6

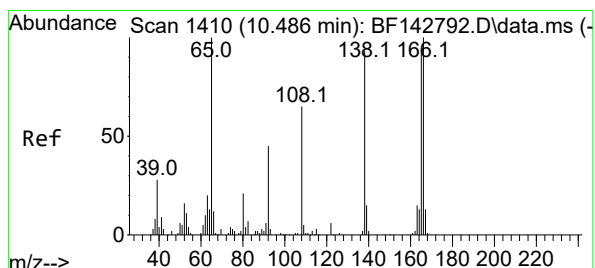
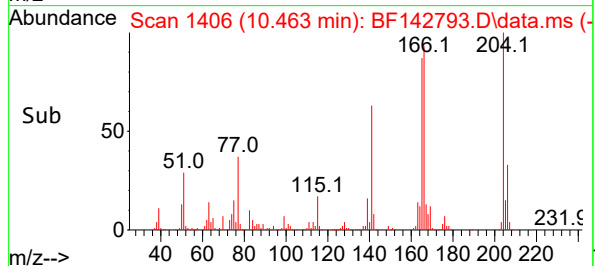
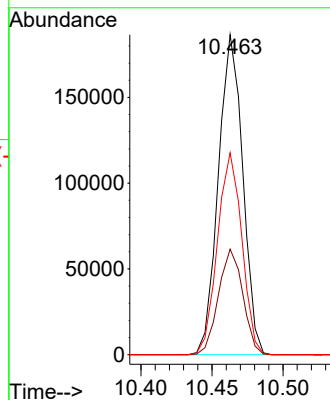
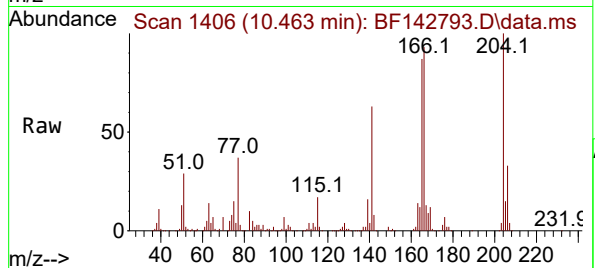




#61
4-Chlorophenyl-phenylether
Concen: 49.076 ng
RT: 10.463 min Scan# 1406
Delta R.T. -0.000 min
Lab File: BF142793.D
Acq: 19 Jun 2025 19:40

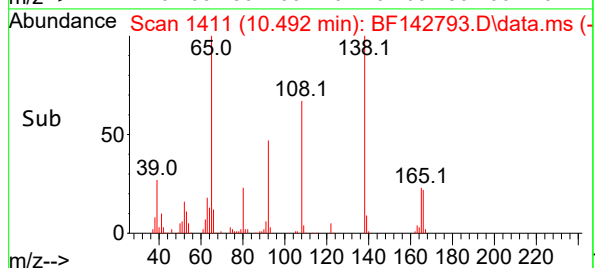
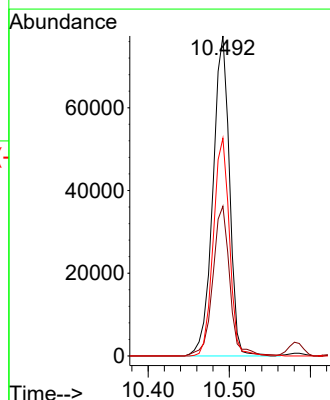
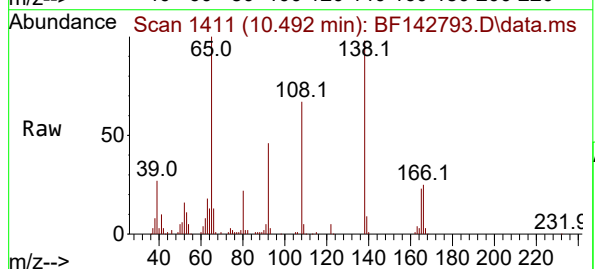
Instrument :
BNA_F
ClientSampleId :
SSTDICC050

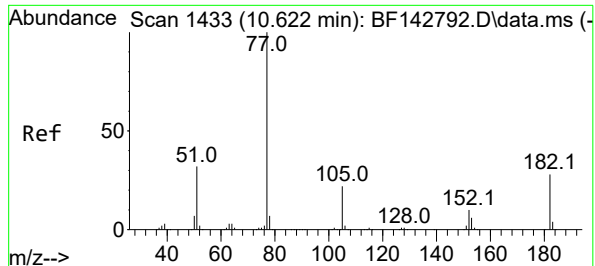
Tgt Ion:204 Resp: 222613
Ion Ratio Lower Upper
204 100
206 33.0 26.3 39.5
141 63.1 49.1 73.7



#62
4-Nitroaniline
Concen: 56.363 ng
RT: 10.492 min Scan# 1411
Delta R.T. 0.006 min
Lab File: BF142793.D
Acq: 19 Jun 2025 19:40

Tgt Ion:138 Resp: 109973
Ion Ratio Lower Upper
138 100
92 46.8 28.4 68.4
108 68.1 50.2 90.2

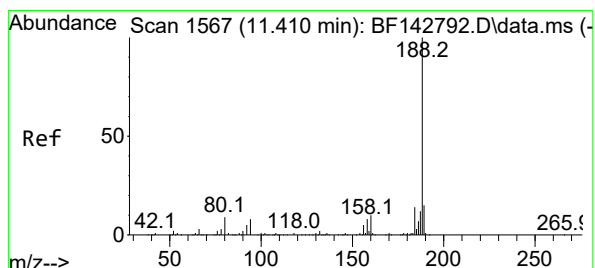
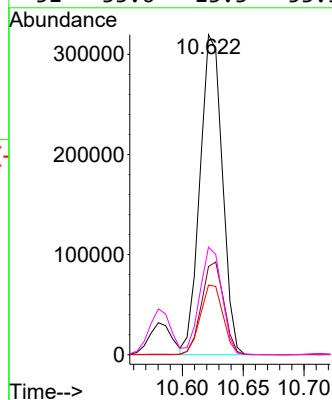
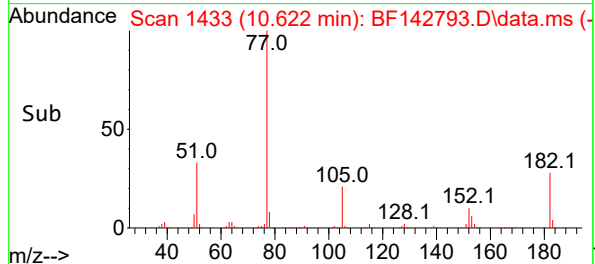
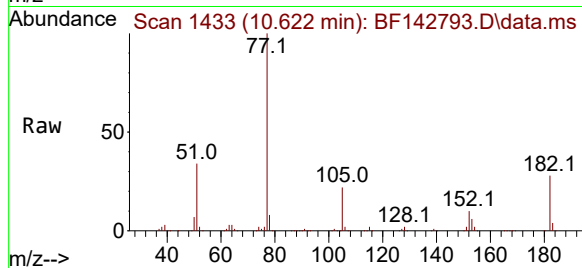




#63
Azobenzene
Concen: 51.063 ng
RT: 10.622 min Scan# 1433
Delta R.T. -0.000 min
Lab File: BF142793.D
Acq: 19 Jun 2025 19:40

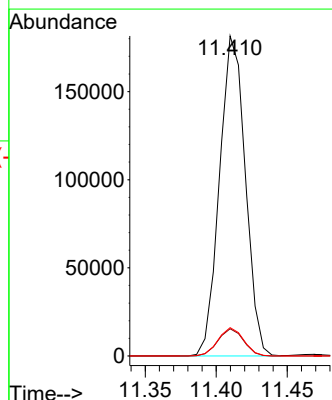
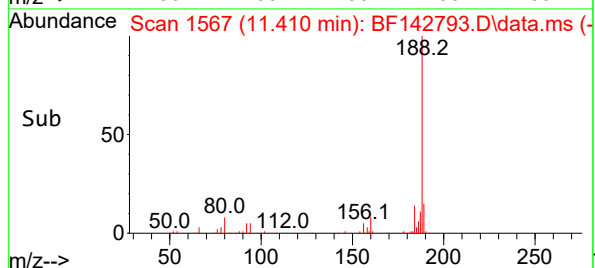
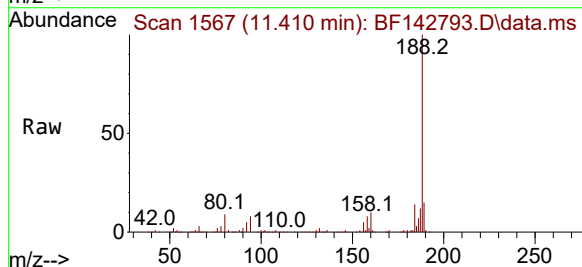
Instrument :
BNA_F
ClientSampleId :
SSTDICC050

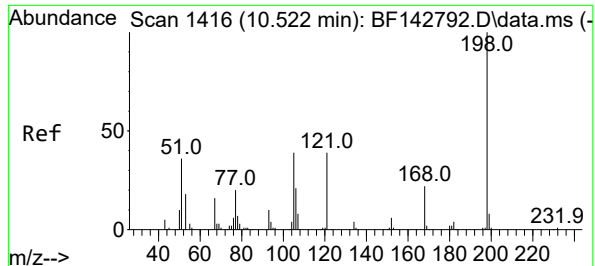
Tgt Ion	Ratio	Lower	Upper
77	100		
182	27.5	7.7	47.7
105	21.8	1.9	41.9
51	33.6	13.3	53.3



#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.410 min Scan# 1567
Delta R.T. -0.000 min
Lab File: BF142793.D
Acq: 19 Jun 2025 19:40

Tgt Ion	Ratio	Lower	Upper
188	100		
94	8.5	6.7	10.1
80	8.9	6.9	10.3

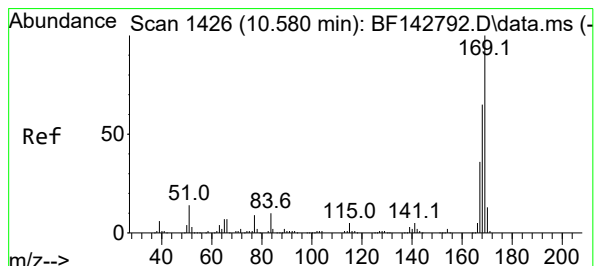
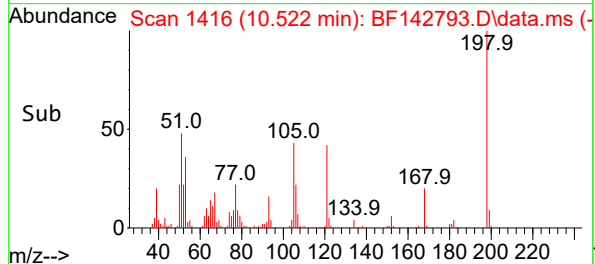
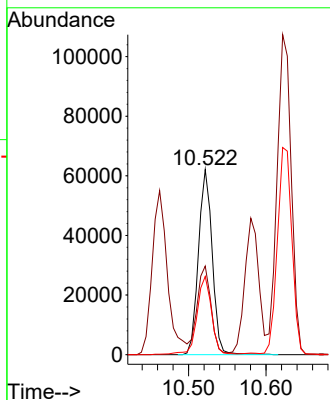
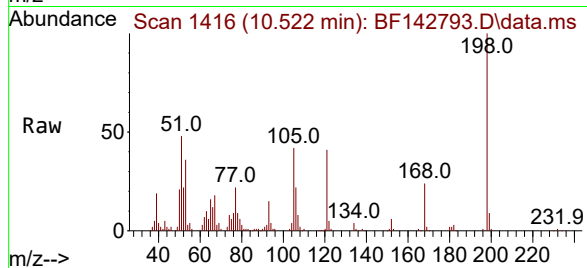




#65
4,6-Dinitro-2-methylphenol
Concen: 53.713 ng
RT: 10.522 min Scan# 1416
Delta R.T. -0.000 min
Lab File: BF142793.D
Acq: 19 Jun 2025 19:40

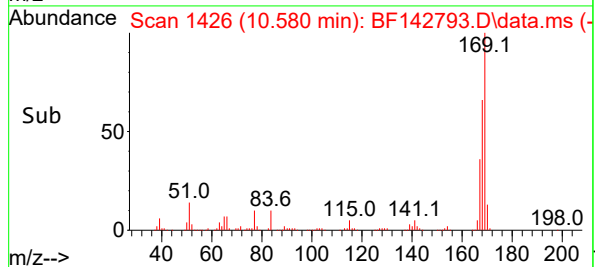
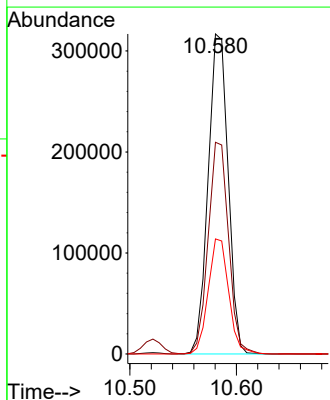
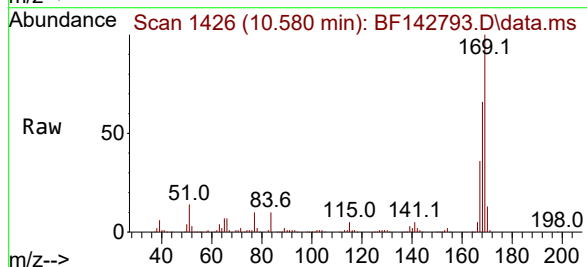
Instrument :
BNA_F
ClientSampleId :
SSTDICC050

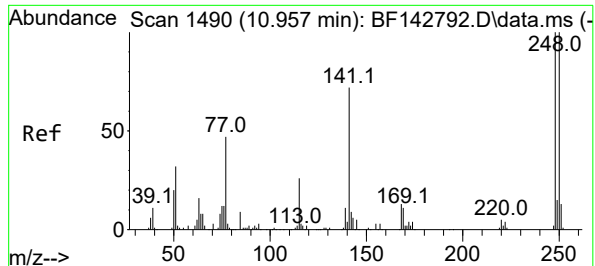
Tgt Ion:198 Resp: 76696
Ion Ratio Lower Upper
198 100
51 47.9 25.4 65.4
105 42.3 20.4 60.4



#66
n-Nitrosodiphenylamine
Concen: 52.171 ng
RT: 10.580 min Scan# 1426
Delta R.T. -0.000 min
Lab File: BF142793.D
Acq: 19 Jun 2025 19:40

Tgt Ion:169 Resp: 411917
Ion Ratio Lower Upper
169 100
168 66.1 51.9 77.9
167 35.9 28.5 42.7





#67

4-Bromophenyl-phenylether

Concen: 50.425 ng

RT: 10.957 min Scan# 1490

Delta R.T. -0.000 min

Lab File: BF142793.D

Acq: 19 Jun 2025 19:40

Instrument :

BNA_F

ClientSampleId :

SSTDICC050

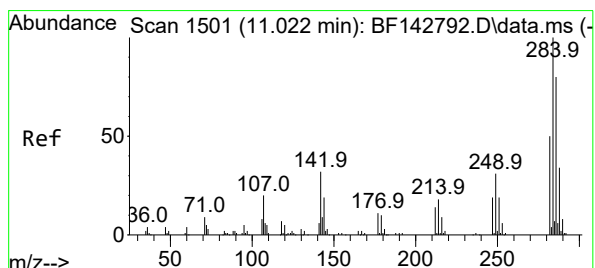
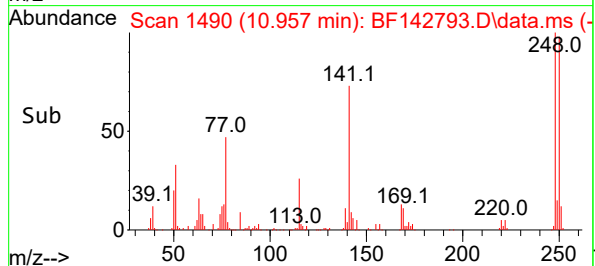
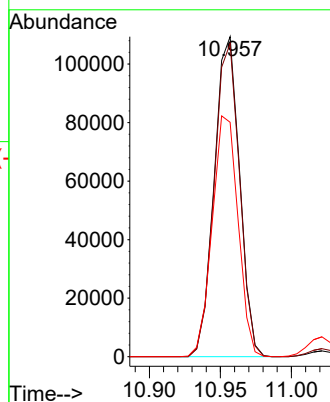
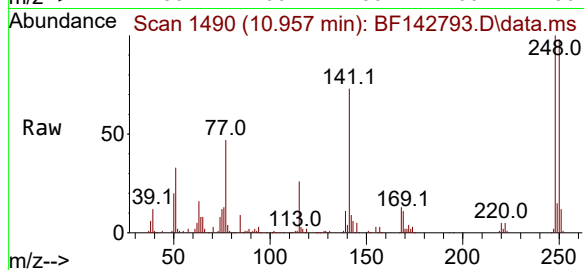
Tgt Ion:248 Resp: 135699

Ion Ratio Lower Upper

248 100

250 97.8 79.8 119.8

141 73.3 57.8 86.6



#68

Hexachlorobenzene

Concen: 50.432 ng

RT: 11.021 min Scan# 1501

Delta R.T. -0.000 min

Lab File: BF142793.D

Acq: 19 Jun 2025 19:40

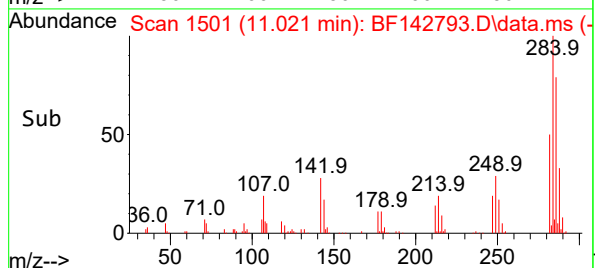
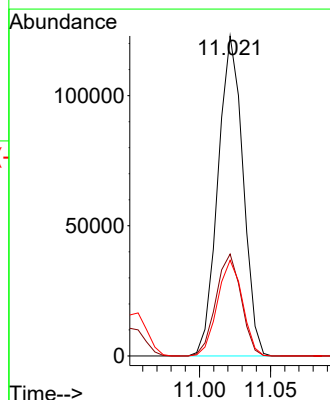
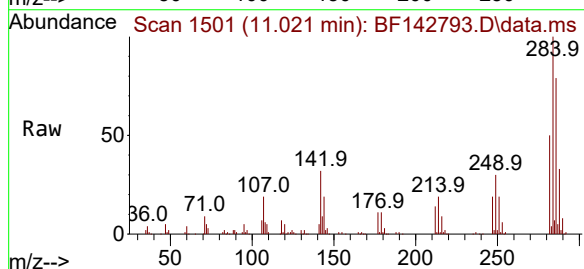
Tgt Ion:284 Resp: 150669

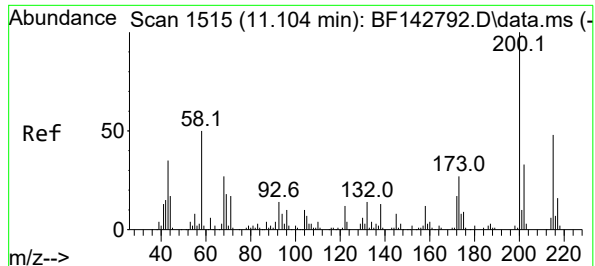
Ion Ratio Lower Upper

284 100

142 31.9 25.5 38.3

249 29.9 24.9 37.3

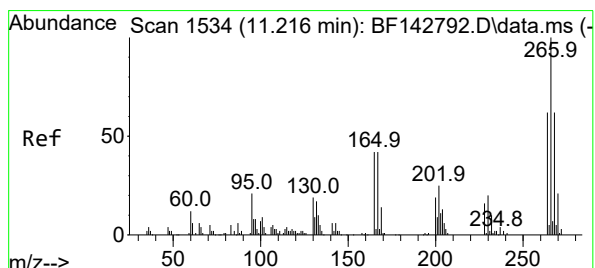
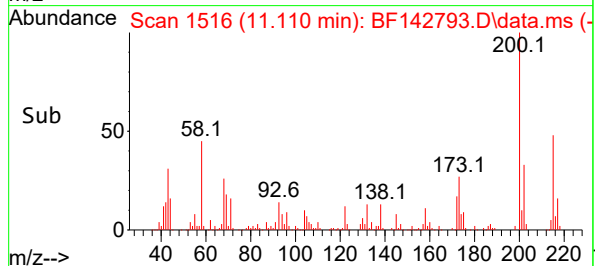
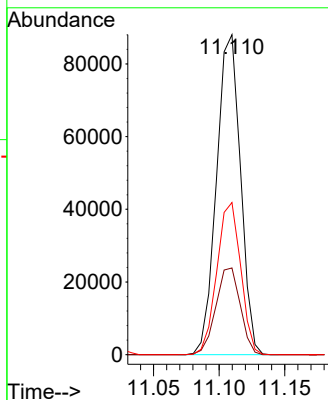
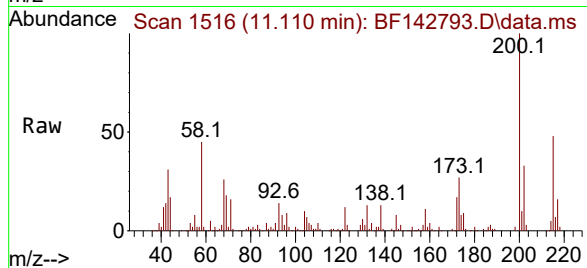




#69
Atrazine
Concen: 53.385 ng
RT: 11.110 min Scan# 1516
Delta R.T. 0.006 min
Lab File: BF142793.D
Acq: 19 Jun 2025 19:40

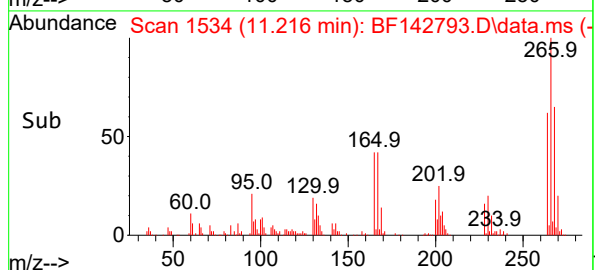
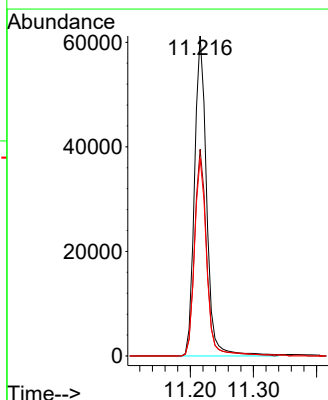
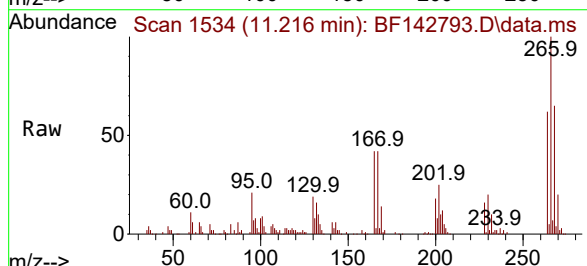
Instrument :
BNA_F
ClientSampleId :
SSTDIC050

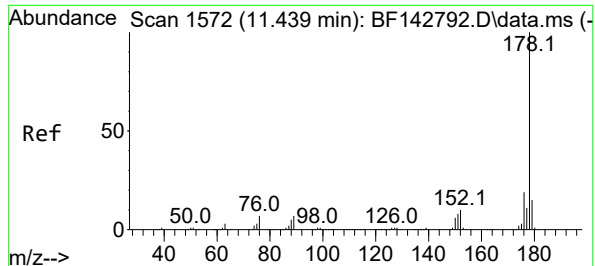
Tgt Ion:200 Resp: 111915
Ion Ratio Lower Upper
200 100
173 27.1 7.4 47.4
215 47.5 28.4 68.4



#70
Pentachlorophenol
Concen: 52.574 ng
RT: 11.216 min Scan# 1534
Delta R.T. -0.000 min
Lab File: BF142793.D
Acq: 19 Jun 2025 19:40

Tgt Ion:266 Resp: 81577
Ion Ratio Lower Upper
266 100
268 64.6 49.8 74.8
264 61.7 49.9 74.9

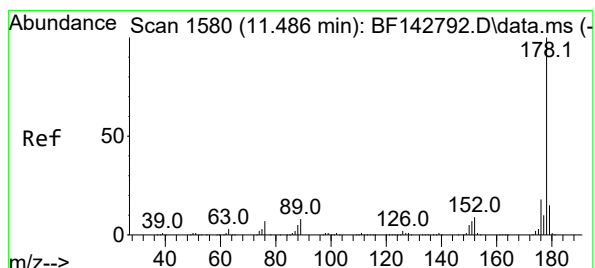
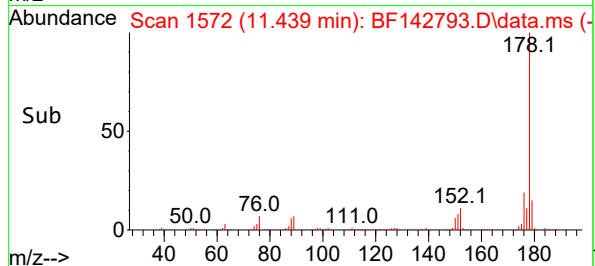
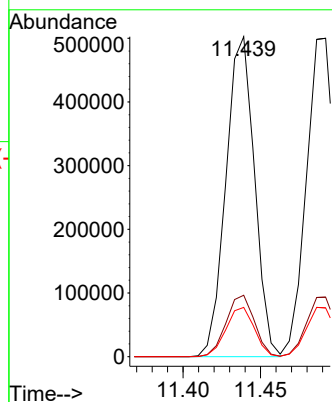
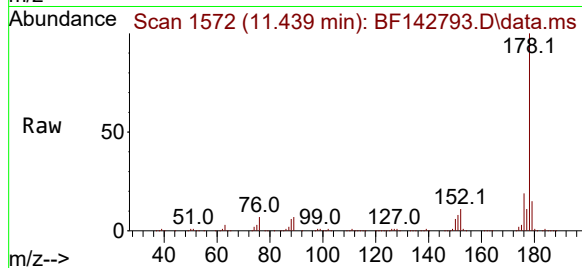




#71
Phenanthrene
Concen: 52.403 ng
RT: 11.439 min Scan# 1572
Delta R.T. -0.000 min
Lab File: BF142793.D
Acq: 19 Jun 2025 19:40

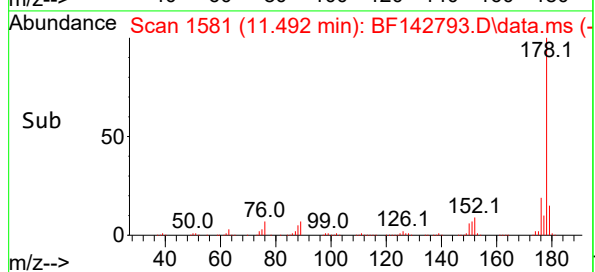
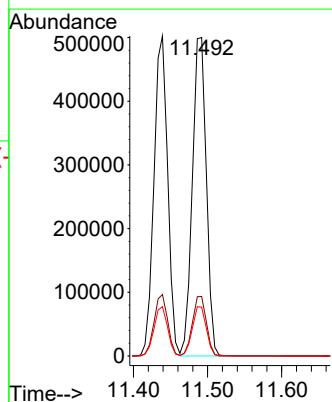
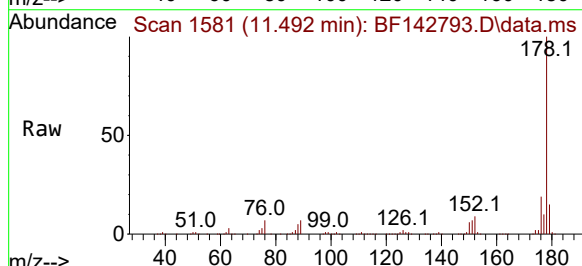
Instrument :
BNA_F
ClientSampleId :
SSTDICC050

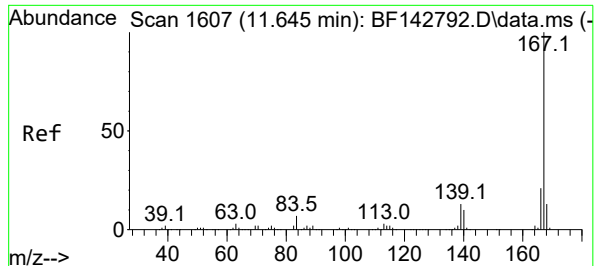
Tgt Ion:178 Resp: 644668
Ion Ratio Lower Upper
178 100
176 19.2 15.1 22.7
179 15.4 12.0 18.0



#72
Anthracene
Concen: 51.433 ng
RT: 11.492 min Scan# 1581
Delta R.T. 0.006 min
Lab File: BF142793.D
Acq: 19 Jun 2025 19:40

Tgt Ion:178 Resp: 654942
Ion Ratio Lower Upper
178 100
176 18.7 14.6 21.8
179 15.4 12.4 18.6

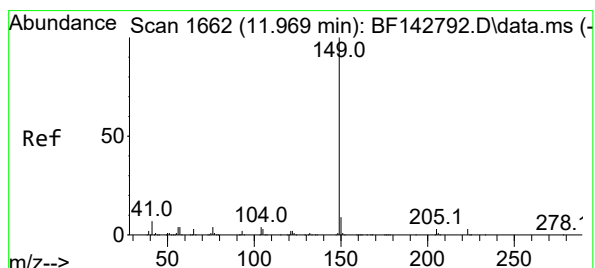
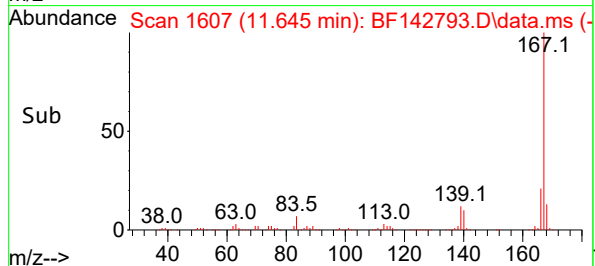
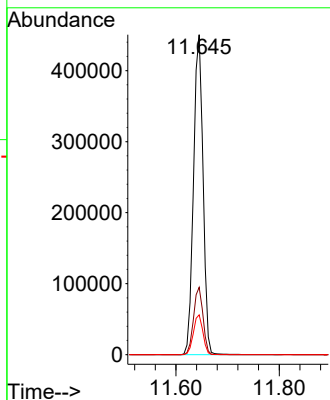
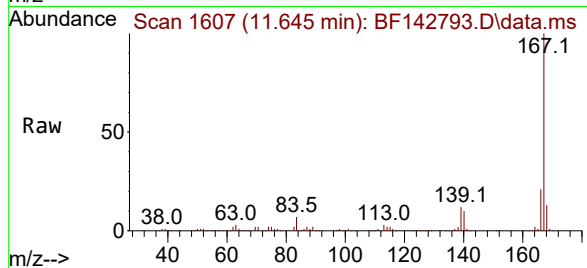




#73
Carbazole
Concen: 53.996 ng
RT: 11.645 min Scan# 1607
Delta R.T. -0.000 min
Lab File: BF142793.D
Acq: 19 Jun 2025 19:40

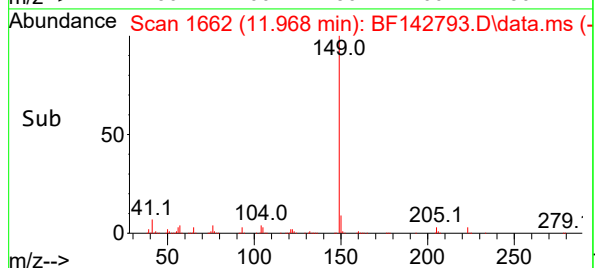
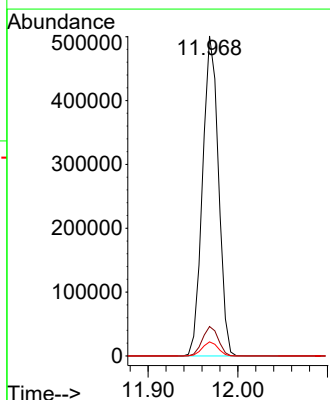
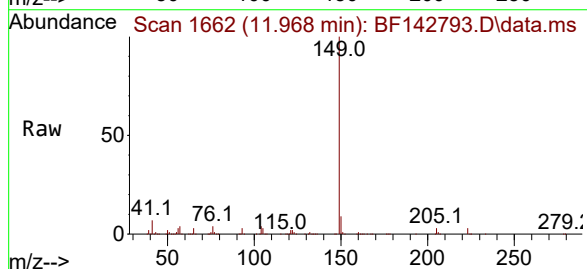
Instrument :
BNA_F
ClientSampleId :
SSTDICC050

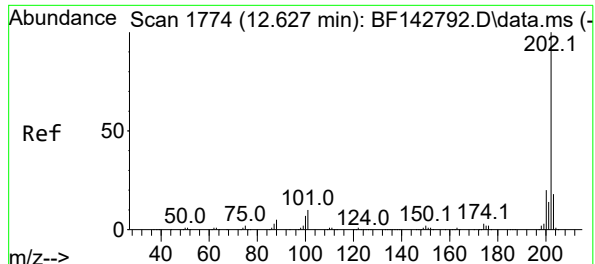
Tgt Ion:167 Resp: 575784
Ion Ratio Lower Upper
167 100
166 21.0 17.0 25.4
139 12.5 10.2 15.2



#74
Di-n-butylphthalate
Concen: 52.211 ng
RT: 11.968 min Scan# 1662
Delta R.T. -0.000 min
Lab File: BF142793.D
Acq: 19 Jun 2025 19:40

Tgt Ion:149 Resp: 616452
Ion Ratio Lower Upper
149 100
150 9.2 7.4 11.0
104 4.4 3.5 5.3

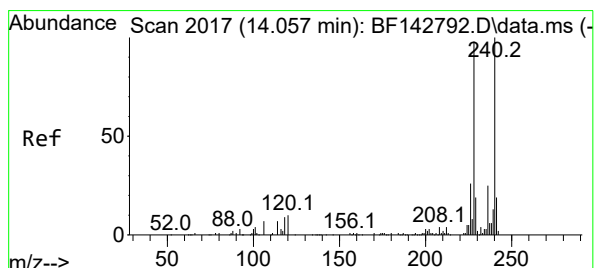
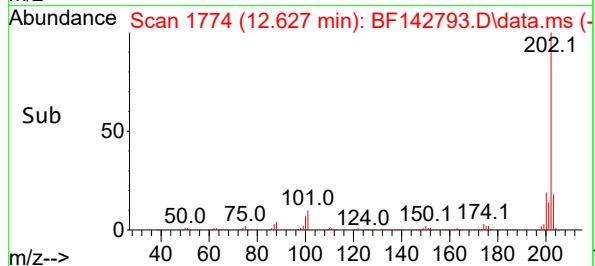
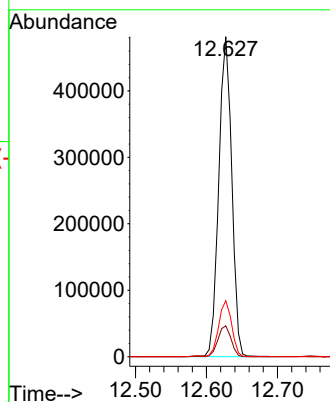
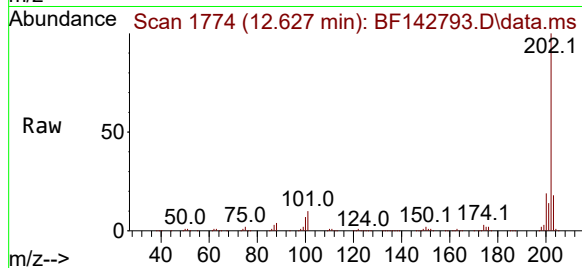




#75
Fluoranthene
Concen: 52.032 ng
RT: 12.627 min Scan# 11
Delta R.T. -0.000 min
Lab File: BF142793.D
Acq: 19 Jun 2025 19:40

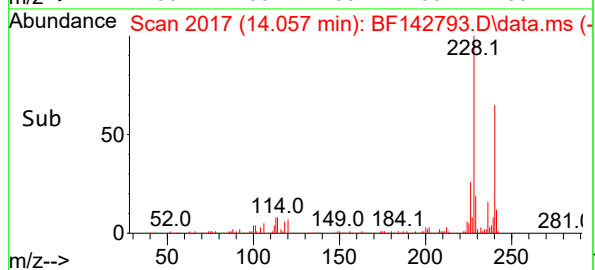
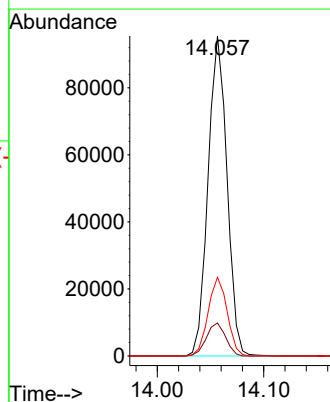
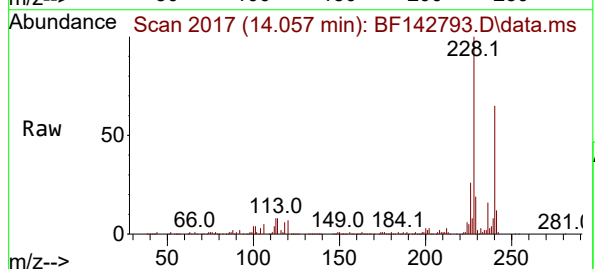
Instrument :
BNA_F
ClientSampleId :
SSTDICC050

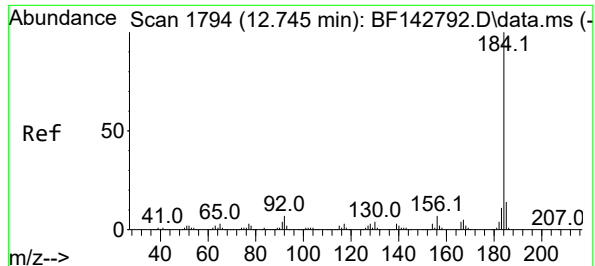
Tgt Ion	Ratio	Lower	Upper
202	100		
101	9.6	0.0	29.7
203	17.5	0.0	37.5



#76
Chrysene-d12
Concen: 20.000 ng
RT: 14.057 min Scan# 2017
Delta R.T. -0.000 min
Lab File: BF142793.D
Acq: 19 Jun 2025 19:40

Tgt Ion	Ratio	Lower	Upper
240	100		
120	10.3	8.2	12.2
236	24.6	19.8	29.8





#77

Benzidine

Concen: 58.208 ng

RT: 12.745 min Scan# 1

Delta R.T. -0.000 min

Lab File: BF142793.D

Acq: 19 Jun 2025 19:40

Instrument :

BNA_F

ClientSampleId :

SSTDICC050

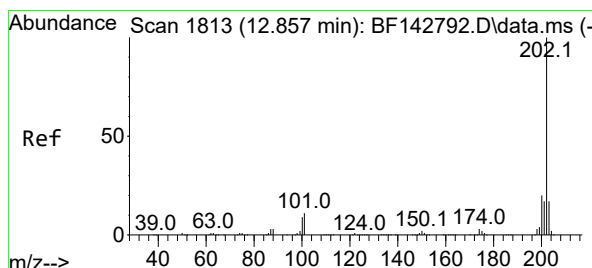
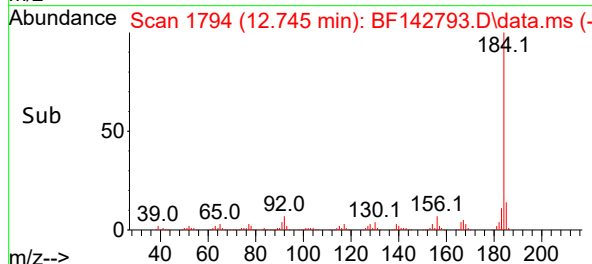
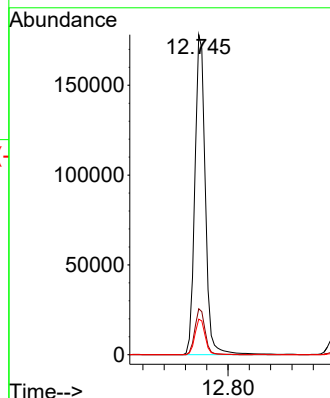
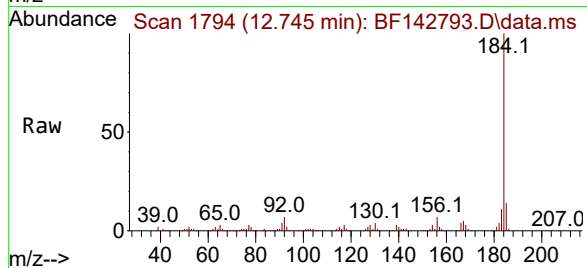
Tgt Ion:184 Resp: 242794

Ion Ratio Lower Upper

184 100

185 14.4 11.5 17.3

183 11.1 9.0 13.4



#78

Pyrene

Concen: 55.205 ng

RT: 12.857 min Scan# 1813

Delta R.T. -0.000 min

Lab File: BF142793.D

Acq: 19 Jun 2025 19:40

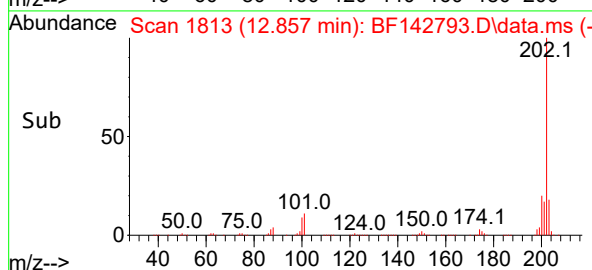
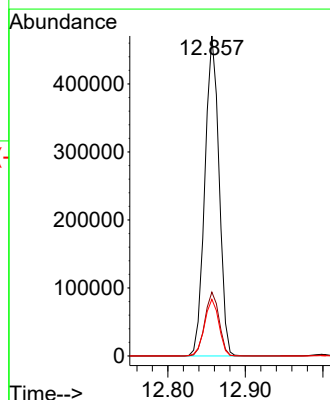
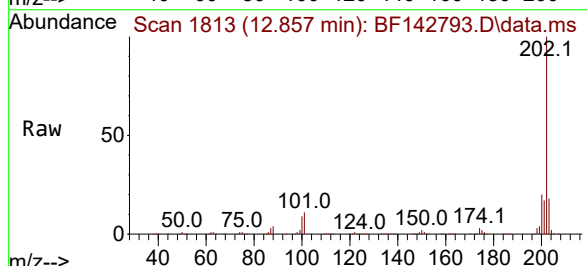
Tgt Ion:202 Resp: 597913

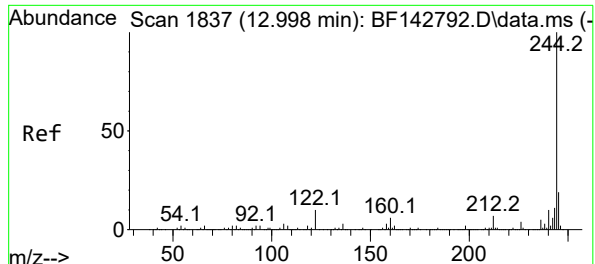
Ion Ratio Lower Upper

202 100

200 20.0 15.7 23.5

203 17.7 13.8 20.6





#79

Terphenyl-d14

Concen: 106.820 ng

RT: 12.998 min Scan# 1837

Delta R.T. -0.000 min

Lab File: BF142793.D

Acq: 19 Jun 2025 19:40

Instrument :

BNA_F

ClientSampleId :

SSTDICC050

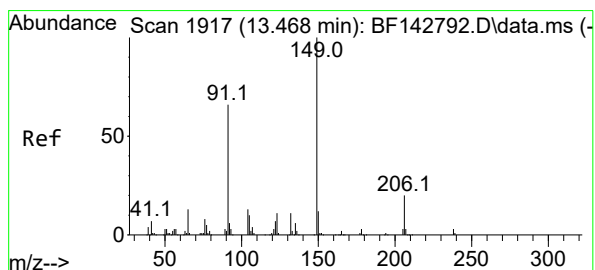
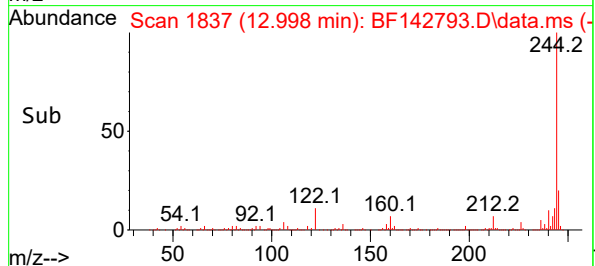
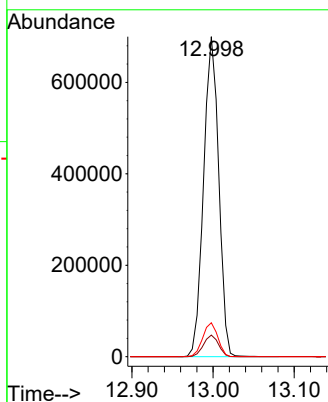
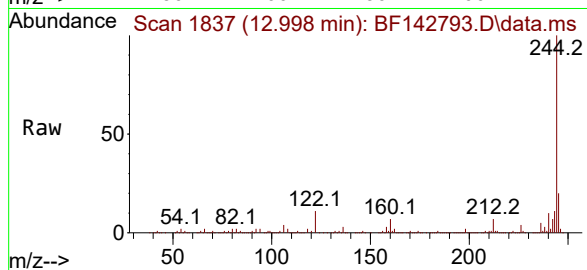
Tgt Ion:244 Resp: 904305

Ion Ratio Lower Upper

244 100

212 6.8 5.4 8.0

122 10.6 8.2 12.2



#80

Butylbenzylphthalate

Concen: 56.257 ng

RT: 13.474 min Scan# 1918

Delta R.T. 0.006 min

Lab File: BF142793.D

Acq: 19 Jun 2025 19:40

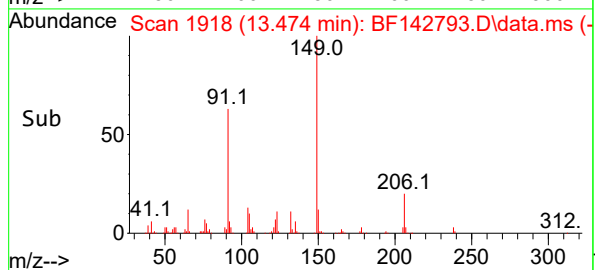
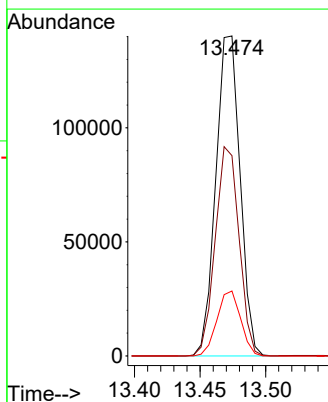
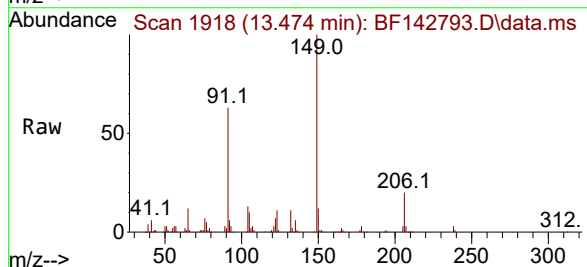
Tgt Ion:149 Resp: 180565

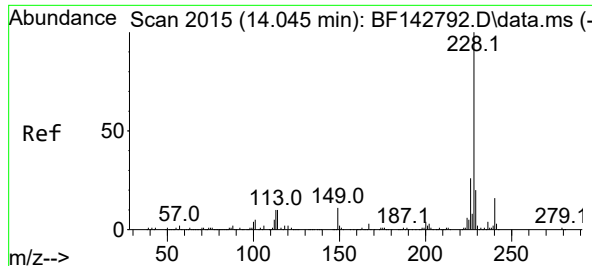
Ion Ratio Lower Upper

149 100

91 62.6 52.9 79.3

206 20.3 16.3 24.5

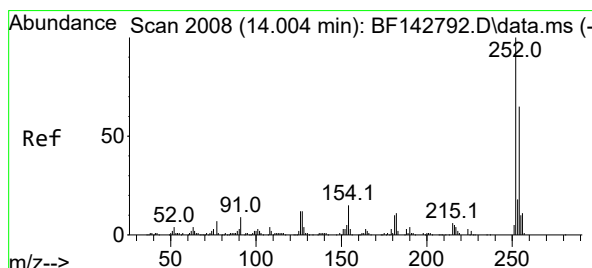
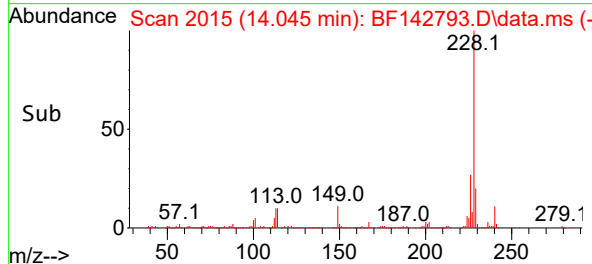
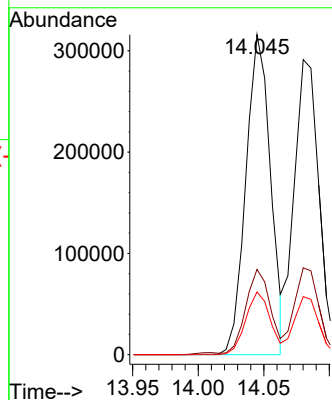
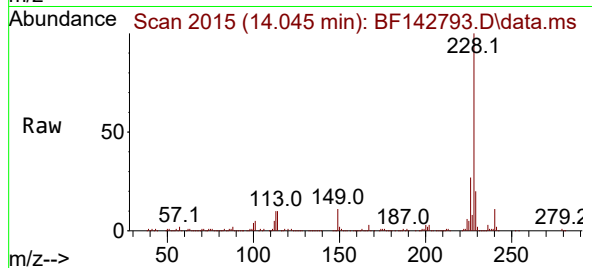




#81
Benzo(a)anthracene
Concen: 53.431 ng
RT: 14.045 min Scan# 2015
Delta R.T. -0.000 min
Lab File: BF142793.D
Acq: 19 Jun 2025 19:40

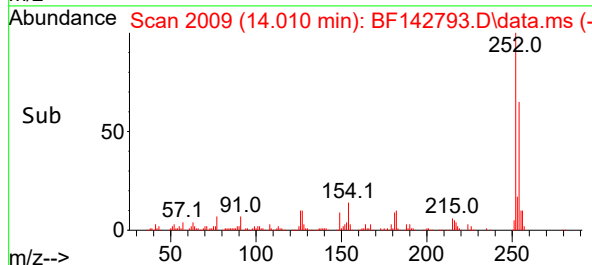
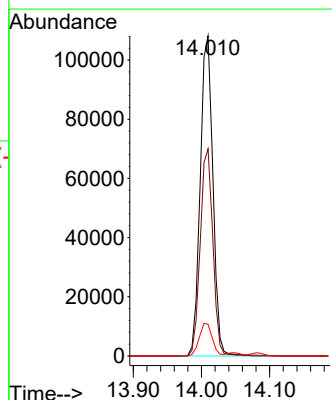
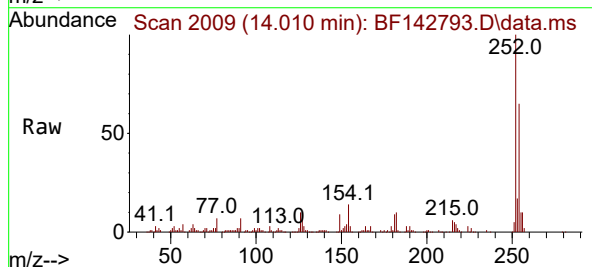
Instrument :
BNA_F
ClientSampleId :
SSTDICC050

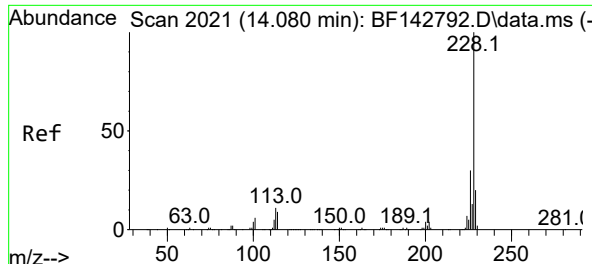
Tgt Ion:228 Resp: 413349
Ion Ratio Lower Upper
228 100
226 26.7 21.2 31.8
229 19.6 15.6 23.4



#82
3,3'-Dichlorobenzidine
Concen: 55.949 ng
RT: 14.010 min Scan# 2009
Delta R.T. 0.006 min
Lab File: BF142793.D
Acq: 19 Jun 2025 19:40

Tgt Ion:252 Resp: 140152
Ion Ratio Lower Upper
252 100
254 64.7 51.7 77.5
126 9.9 9.4 14.2





#83

Chrysene

Concen: 52.950 ng

RT: 14.080 min Scan# 20

Delta R.T. -0.000 min

Lab File: BF142793.D

Acq: 19 Jun 2025 19:40

Instrument :

BNA_F

ClientSampleId :

SSTDICC050

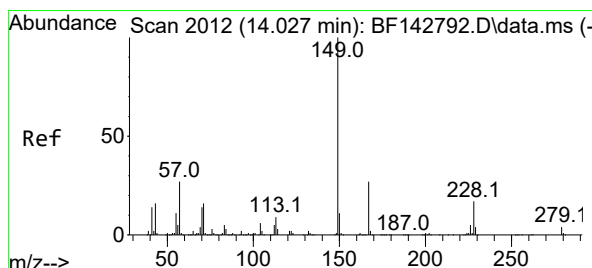
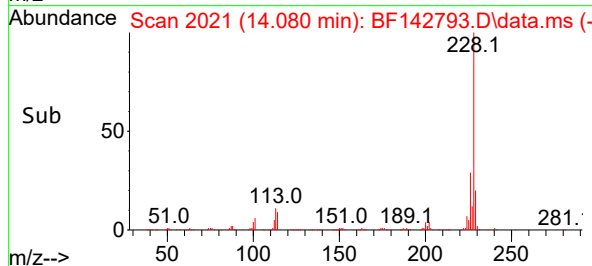
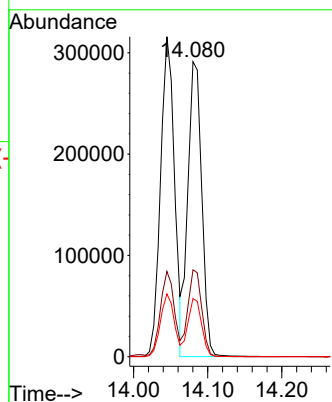
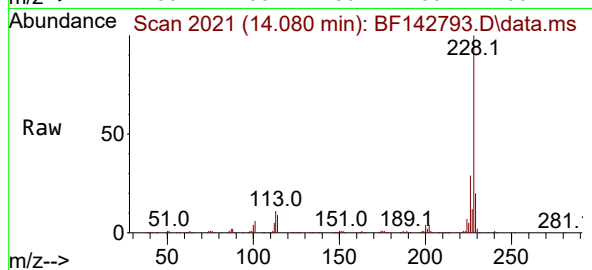
Tgt Ion:228 Resp: 381352

Ion Ratio Lower Upper

228 100

226 29.5 23.7 35.5

229 19.7 15.7 23.5



#84

Bis(2-ethylhexyl)phthalate

Concen: 53.016 ng

RT: 14.027 min Scan# 2012

Delta R.T. -0.000 min

Lab File: BF142793.D

Acq: 19 Jun 2025 19:40

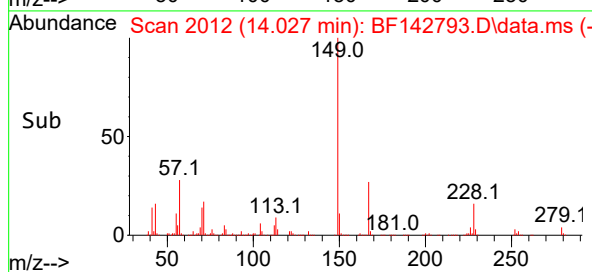
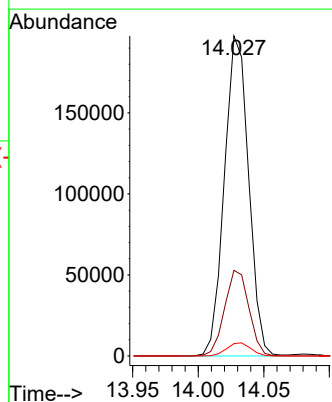
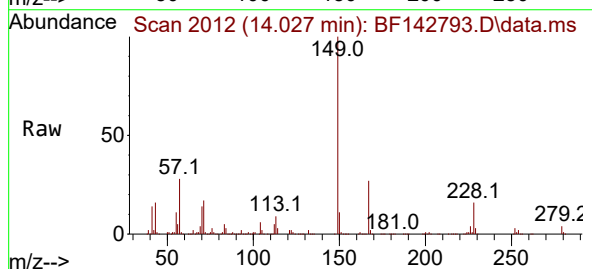
Tgt Ion:149 Resp: 253542

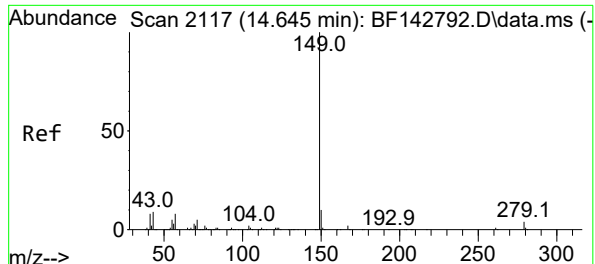
Ion Ratio Lower Upper

149 100

167 26.8 21.4 32.0

279 3.8 3.0 4.6

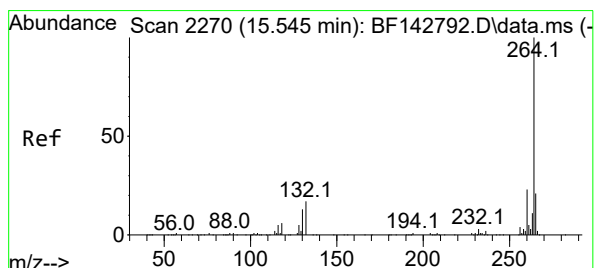
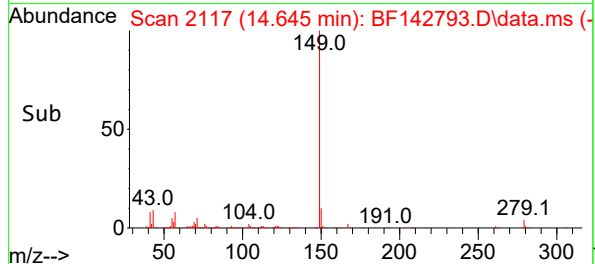
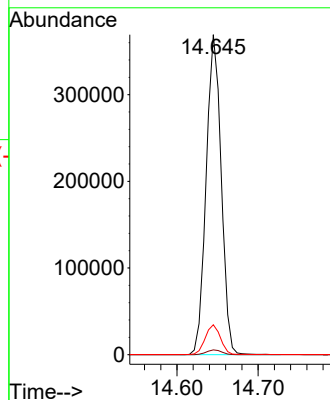
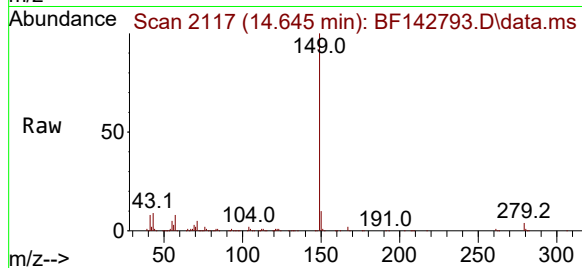




#85
Di-n-octyl phthalate
Concen: 52.029 ng
RT: 14.645 min Scan# 2117
Delta R.T. -0.000 min
Lab File: BF142793.D
Acq: 19 Jun 2025 19:40

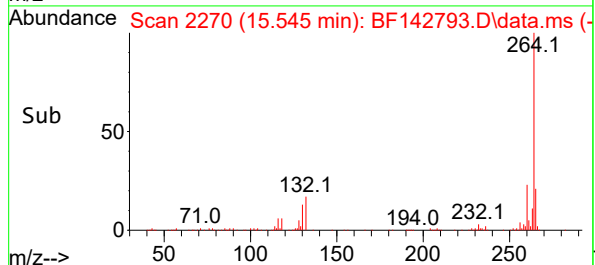
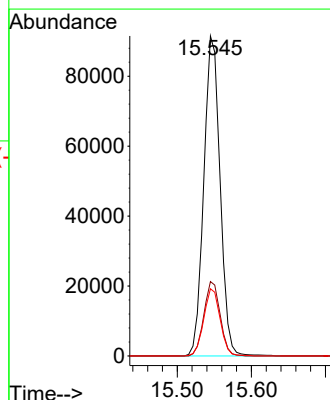
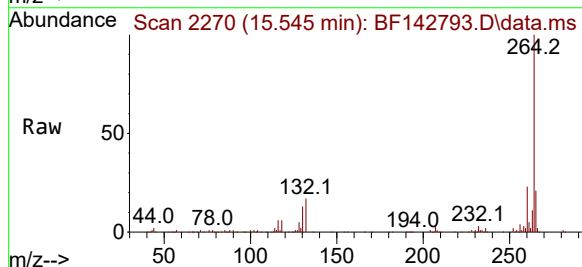
Instrument :
BNA_F
ClientSampleId :
SSTDICC050

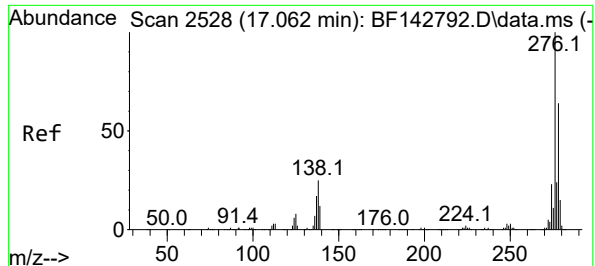
Tgt Ion	Ratio	Lower	Upper
149	100		
167	1.5	1.3	1.9
43	9.4	7.6	11.4



#86
Perylene-d12
Concen: 20.000 ng
RT: 15.545 min Scan# 2270
Delta R.T. -0.000 min
Lab File: BF142793.D
Acq: 19 Jun 2025 19:40

Tgt Ion	Ratio	Lower	Upper
264	100		
260	23.3	18.1	27.1
265	21.0	16.6	25.0





#87

Indeno(1,2,3-cd)pyrene

Concen: 55.741 ng

RT: 17.062 min Scan# 2196

Delta R.T. -0.000 min

Lab File: BF142793.D

Acq: 19 Jun 2025 19:40

Instrument :

BNA_F

ClientSampleId :

SSTDICC050

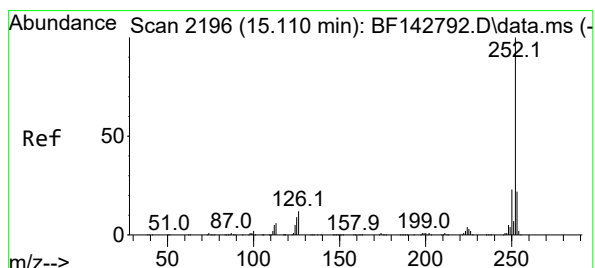
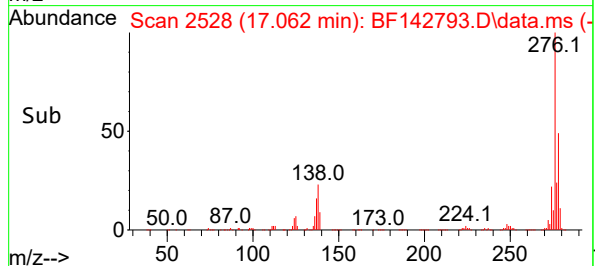
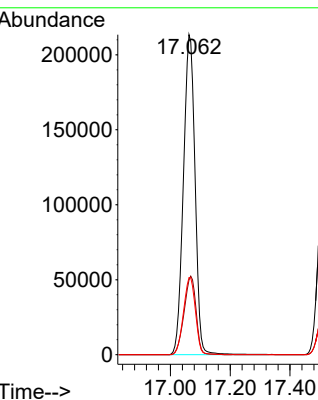
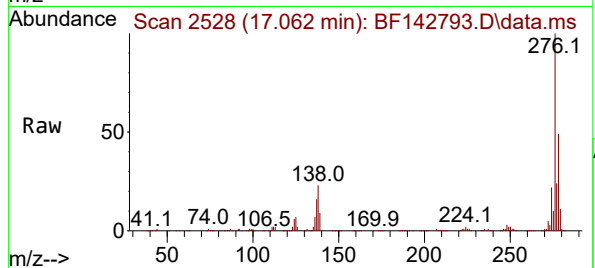
Tgt Ion:276 Resp: 575271

Ion Ratio Lower Upper

276 100

138 25.3 20.2 30.4

277 24.7 19.8 29.6



#88

Benzo(b)fluoranthene

Concen: 49.437 ng

RT: 15.109 min Scan# 2196

Delta R.T. -0.000 min

Lab File: BF142793.D

Acq: 19 Jun 2025 19:40

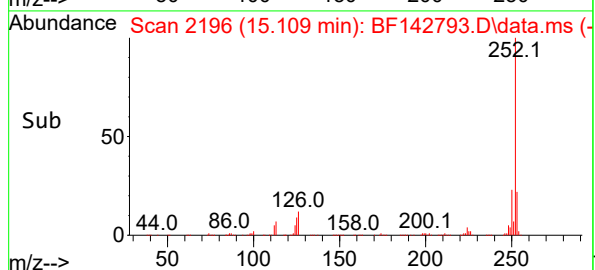
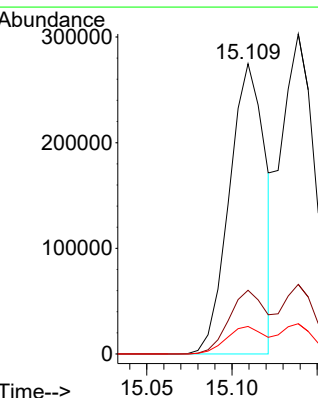
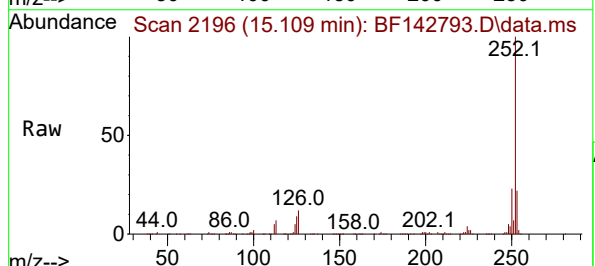
Tgt Ion:252 Resp: 401915

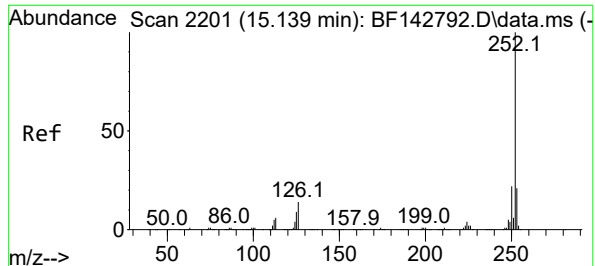
Ion Ratio Lower Upper

252 100

253 21.9 17.5 26.3

125 9.5 7.4 11.0





#89

Benzo(k)fluoranthene

Concen: 52.440 ng

RT: 15.139 min Scan# 21

Delta R.T. -0.000 min

Lab File: BF142793.D

Acq: 19 Jun 2025 19:40

Instrument :

BNA_F

ClientSampleId :

SSTDICC050

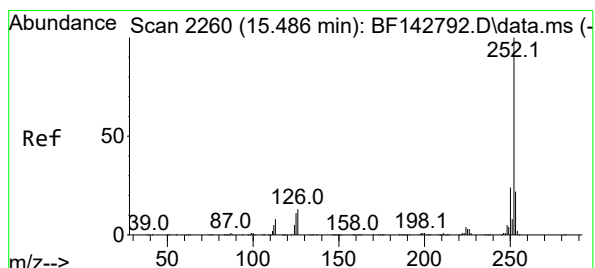
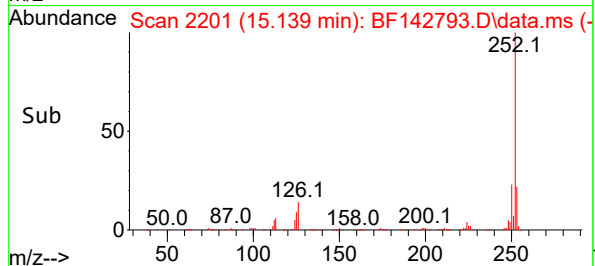
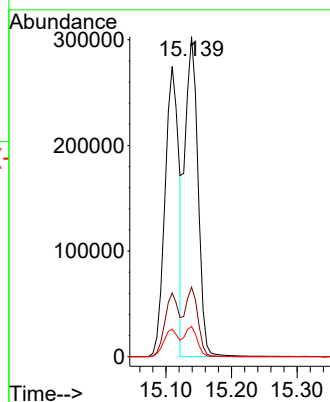
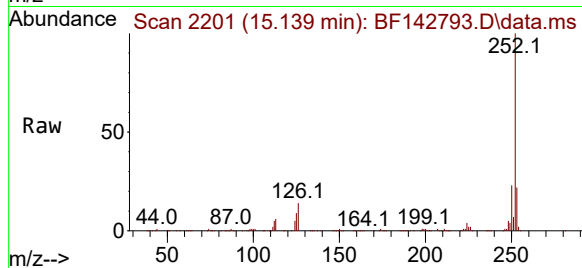
Tgt Ion:252 Resp: 416169

Ion Ratio Lower Upper

252 100

253 21.7 17.2 25.8

125 9.5 7.4 11.2



#90

Benzo(a)pyrene

Concen: 53.860 ng

RT: 15.486 min Scan# 2260

Delta R.T. -0.000 min

Lab File: BF142793.D

Acq: 19 Jun 2025 19:40

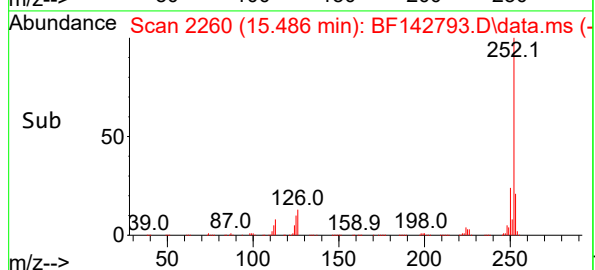
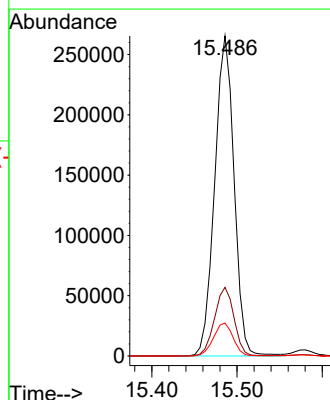
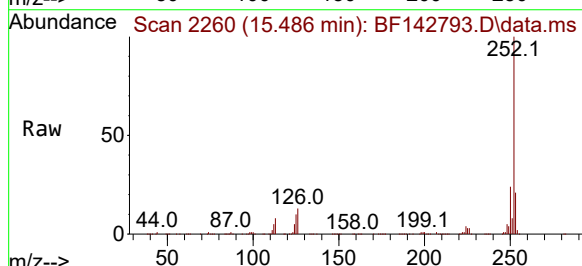
Tgt Ion:252 Resp: 419030

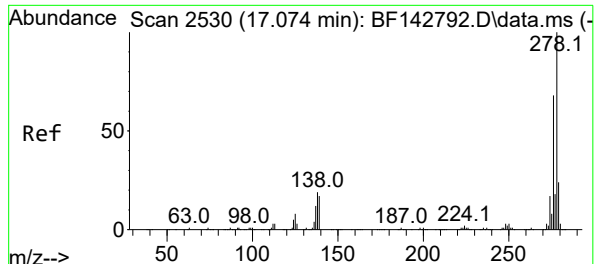
Ion Ratio Lower Upper

252 100

253 21.4 17.5 26.3

125 10.3 8.6 12.8





#91

Dibenzo(a,h)anthracene

Concen: 55.594 ng

RT: 17.080 min Scan# 21

Delta R.T. 0.006 min

Lab File: BF142793.D

Acq: 19 Jun 2025 19:40

Instrument :

BNA_F

ClientSampleId :

SSTDICC050

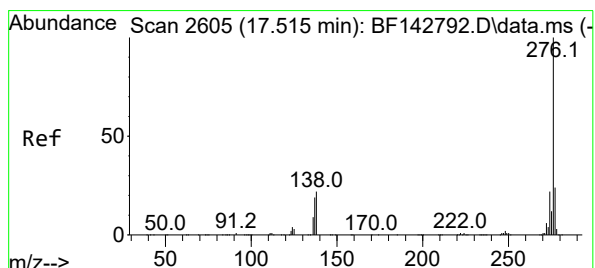
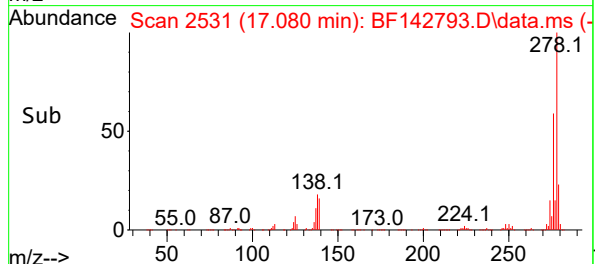
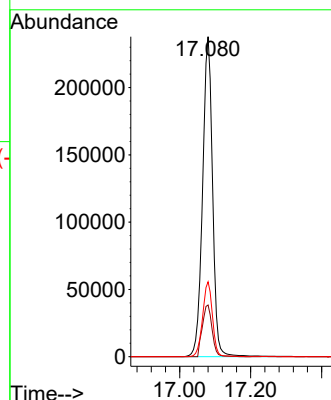
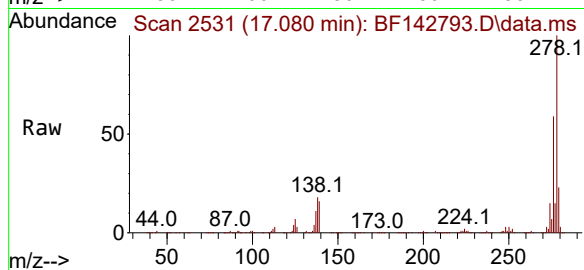
Tgt Ion:278 Resp: 466485

Ion Ratio Lower Upper

278 100

139 16.2 13.5 20.3

279 23.4 18.8 28.2



#92

Benzo(g,h,i)perylene

Concen: 55.540 ng

RT: 17.521 min Scan# 2606

Delta R.T. 0.006 min

Lab File: BF142793.D

Acq: 19 Jun 2025 19:40

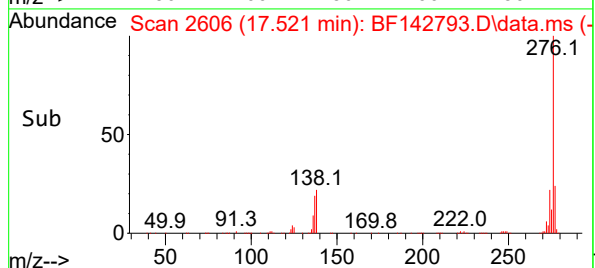
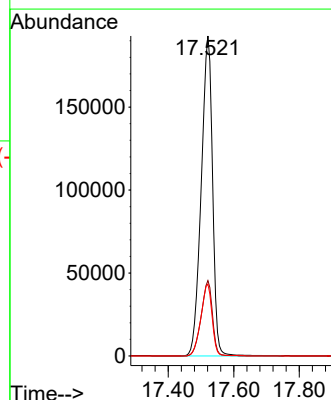
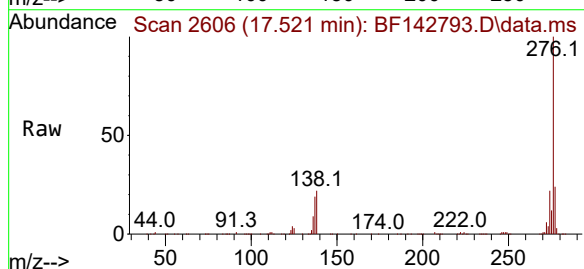
Tgt Ion:276 Resp: 464951

Ion Ratio Lower Upper

276 100

277 23.5 18.8 28.2

138 22.4 17.6 26.4



Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF061925\
 Data File : BF142794.D
 Acq On : 19 Jun 2025 20:10
 Operator : RC/JU
 Sample : SSTDICC060
 Misc :
 ALS Vial : 8 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 SSTDICC060

Quant Time: Jun 20 04:41:29 2025
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF061925.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Fri Jun 20 04:36:38 2025
 Response via : Initial Calibration

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

Internal Standards						
1) 1,4-Dichlorobenzene-d4	6.881	152	83273	20.000	ng	0.00
21) Naphthalene-d8	8.169	136	313390	20.000	ng	0.00
39) Acenaphthene-d10	9.928	164	161044	20.000	ng	0.00
64) Phenanthrene-d10	11.410	188	264336	20.000	ng	0.00
76) Chrysene-d12	14.057	240	133196	20.000	ng	0.00
86) Perylene-d12	15.551	264	166457	20.000	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.498	112	585158	119.852	ng	0.00
7) Phenol-d6	6.516	99	689436	120.255	ng	0.00
23) Nitrobenzene-d5	7.451	82	680402	119.003	ng	0.00
42) 2,4,6-Tribromophenol	10.716	330	198721	113.541	ng	0.00
45) 2-Fluorobiphenyl	9.245	172	1360586	112.392	ng	0.00
79) Terphenyl-d14	12.998	244	1107704	115.747	ng	0.00
Target Compounds						Qvalue
2) 1,4-Dioxane	2.640	88	119634	61.705	ng	99
3) Pyridine	3.410	79	302137	62.244	ng	99
4) n-Nitrosodimethylamine	3.375	42	157914	63.520	ng	99
6) Aniline	6.545	93	466855	60.761	ng	93
8) 2-Chlorophenol	6.669	128	317743	59.767	ng	99
9) Benzaldehyde	6.434	77	170843	48.878	ng	100
10) Phenol	6.528	94	382126	59.780	ng	92
11) bis(2-Chloroethyl)ether	6.622	93	278869	58.802	ng	98
12) 1,3-Dichlorobenzene	6.822	146	353155	58.337	ng	98
13) 1,4-Dichlorobenzene	6.898	146	356089	58.035	ng	99
14) 1,2-Dichlorobenzene	7.051	146	338121	57.645	ng	99
15) Benzyl Alcohol	7.028	79	257749	60.062	ng	99
16) 2,2'-oxybis(1-Chloropr...	7.157	45	439082	58.763	ng	97
17) 2-Methylphenol	7.134	107	242711	59.716	ng	100
18) Hexachloroethane	7.392	117	124457	56.741	ng	98
19) n-Nitroso-di-n-propyla...	7.304	70	202914	56.123	ng	97
20) 3+4-Methylphenols	7.292	107	298960	58.442	ng	99
22) Acetophenone	7.298	105	402615	58.063	ng	99
24) Nitrobenzene	7.469	77	306032	60.229	ng	99
25) Isophorone	7.710	82	548612	57.216	ng	100
26) 2-Nitrophenol	7.786	139	175072	61.836	ng	98
27) 2,4-Dimethylphenol	7.822	122	288532	59.859	ng	99
28) bis(2-Chloroethoxy)met...	7.916	93	343925	57.620	ng	100
29) 2,4-Dichlorophenol	8.028	162	260228	58.574	ng	99
30) 1,2,4-Trichlorobenzene	8.110	180	282721	57.608	ng	99
31) Naphthalene	8.192	128	886614	57.524	ng	100
32) Benzoic acid	7.945	122	169471	63.369	ng	96
33) 4-Chloroaniline	8.239	127	369911	59.887	ng	99
34) Hexachlorobutadiene	8.304	225	173425	55.768	ng	99
35) Caprolactam	8.622	113	73108	61.157	ng	98
36) 4-Chloro-3-methylphenol	8.722	107	261249	56.927	ng	99
37) 2-Methylnaphthalene	8.881	142	548439	56.406	ng	100
38) 1-Methylnaphthalene	8.980	142	567801	56.247	ng	99
40) 1,2,4,5-Tetrachloroben...	9.045	216	278551	59.918	ng	99
41) Hexachlorocyclopentadiene	9.033	237	181771	61.835	ng	99
43) 2,4,6-Trichlorophenol	9.157	196	187708	62.392	ng	100

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF061925\
 Data File : BF142794.D
 Acq On : 19 Jun 2025 20:10
 Operator : RC/JU
 Sample : SSTDICC060
 Misc :
 ALS Vial : 8 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 SSTDICC060

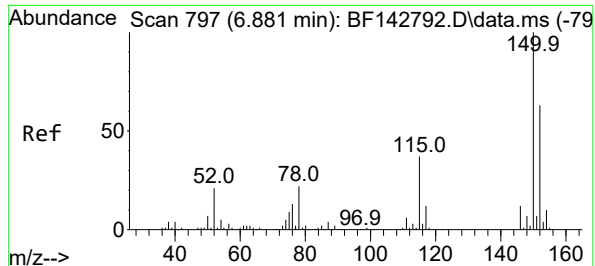
Quant Time: Jun 20 04:41:29 2025
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF061925.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Fri Jun 20 04:36:38 2025
 Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
44) 2,4,5-Trichlorophenol	9.204	196	196769	60.565	ng	99
46) 1,1'-Biphenyl	9.345	154	736970	58.937	ng	99
47) 2-Chloronaphthalene	9.375	162	553304	59.966	ng	99
48) 2-Nitroaniline	9.469	65	162701	62.067	ng	96
49) Acenaphthylene	9.786	152	913540	58.892	ng	100
50) Dimethylphthalate	9.651	163	617097	57.767	ng	100
51) 2,6-Dinitrotoluene	9.710	165	137318	59.299	ng	99
52) Acenaphthene	9.963	154	566138	58.980	ng	100
53) 3-Nitroaniline	9.880	138	154402	61.386	ng	99
54) 2,4-Dinitrophenol	9.986	184	78750	62.843	ng	99
55) Dibenzofuran	10.133	168	802087	58.567	ng	99
56) 4-Nitrophenol	10.039	139	110658	64.811	ng	100
57) 2,4-Dinitrotoluene	10.116	165	184840	60.367	ng	97
58) Fluorene	10.475	166	608786	56.322	ng	99
59) 2,3,4,6-Tetrachlorophenol	10.251	232	159997	58.739	ng	97
60) Diethylphthalate	10.345	149	611873	57.662	ng	100
61) 4-Chlorophenyl-phenyle...	10.463	204	294444	56.089	ng	98
62) 4-Nitroaniline	10.498	138	144821	64.135	ng	98
63) Azobenzene	10.627	77	542118	58.460	ng	98
65) 4,6-Dinitro-2-methylph...	10.527	198	103180	62.814	ng	100
66) n-Nitrosodiphenylamine	10.586	169	531713	58.540	ng	98
67) 4-Bromophenyl-phenylether	10.957	248	180519	58.311	ng	97
68) Hexachlorobenzene	11.022	284	199479	58.041	ng	99
69) Atrazine	11.110	200	144880	60.075	ng	98
70) Pentachlorophenol	11.216	266	107141	60.023	ng	98
71) Phenanthrene	11.439	178	815330	57.611	ng	99
72) Anthracene	11.492	178	844549	57.653	ng	100
73) Carbazole	11.645	167	729372	59.457	ng	100
74) Di-n-butylphthalate	11.969	149	784514	57.759	ng	100
75) Fluoranthene	12.627	202	770481	57.300	ng	99
77) Benzidine	12.751	184	287238	60.916	ng	100
78) Pyrene	12.857	202	744567	60.812	ng	99
80) Butylbenzylphthalate	13.474	149	238584	65.755	ng	97
81) Benzo(a)anthracene	14.045	228	550008	62.892	ng	99
82) 3,3'-Dichlorobenzidine	14.010	252	177798	62.787	ng	100
83) Chrysene	14.086	228	470124	57.743	ng	100
84) Bis(2-ethylhexyl)phtha...	14.027	149	336951	62.326	ng	99
85) Di-n-octyl phthalate	14.645	149	627090	60.871	ng	100
87) Indeno(1,2,3-cd)pyrene	17.068	276	768324	62.432	ng	99
88) Benzo(b)fluoranthene	15.110	252	597533	61.638	ng	100
89) Benzo(k)fluoranthene	15.139	252	518514	54.792	ng	99
90) Benzo(a)pyrene	15.486	252	569694	61.408	ng	99
91) Dibenzo(a,h)anthracene	17.086	278	619236	61.889	ng	99
92) Benzo(g,h,i)perylene	17.527	276	626847	62.795	ng	100

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

Instrument :
BNA_F
ClientSampleId :
SSTDICC060

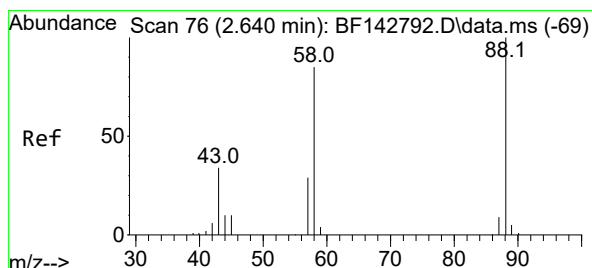
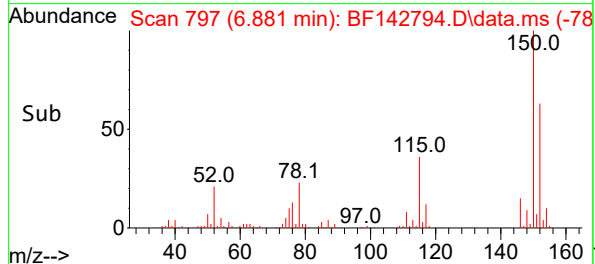
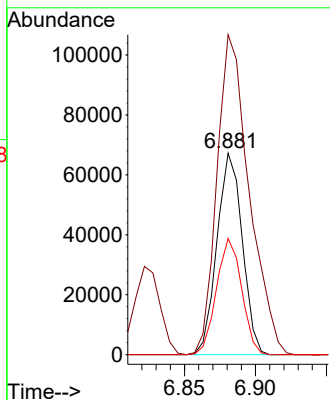
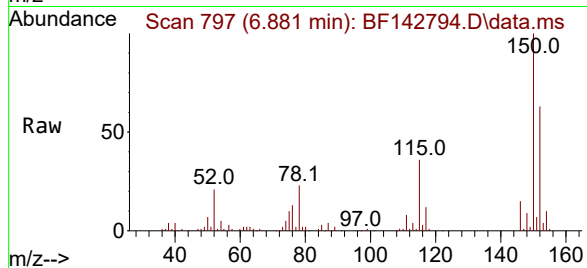
[illegible]



#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.881 min Scan# 79
Delta R.T. -0.000 min
Lab File: BF142794.D
Acq: 19 Jun 2025 20:10

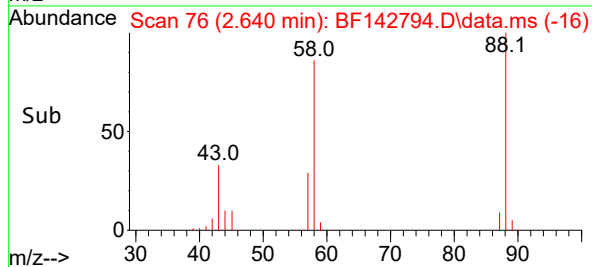
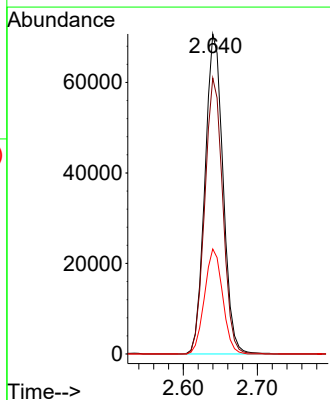
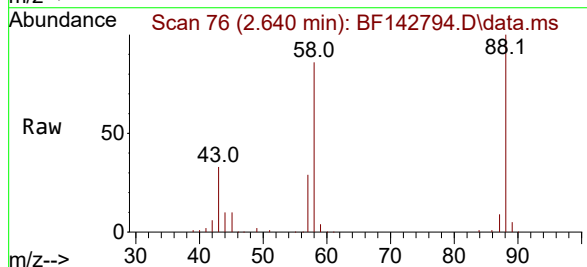
Instrument :
BNA_F
ClientSampleId :
SSTDICC060

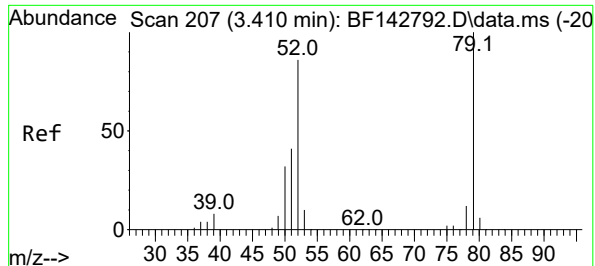
Tgt Ion:152 Resp: 83273
Ion Ratio Lower Upper
152 100
150 158.8 127.2 190.8
115 57.7 46.6 69.8



#2
1,4-Dioxane
Concen: 61.705 ng
RT: 2.640 min Scan# 76
Delta R.T. 0.000 min
Lab File: BF142794.D
Acq: 19 Jun 2025 20:10

Tgt Ion: 88 Resp: 119634
Ion Ratio Lower Upper
88 100
58 85.7 69.1 103.7
43 32.8 27.4 41.2

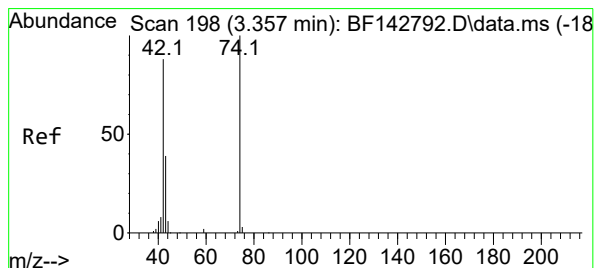
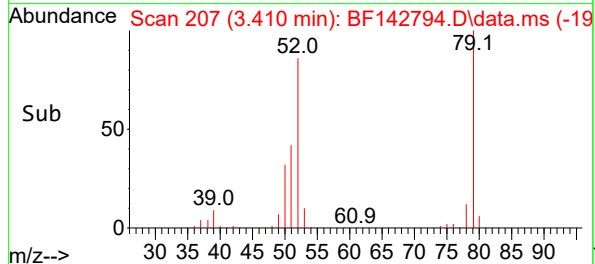
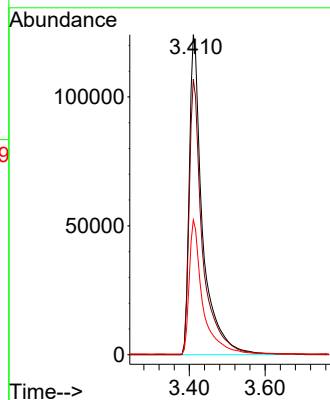
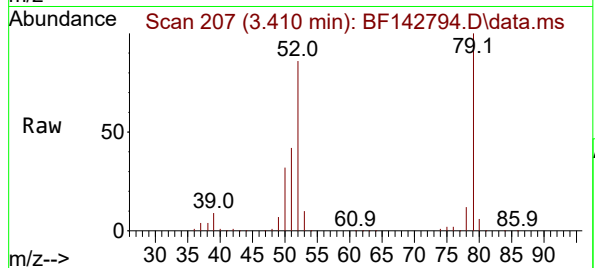




#3
Pyridine
Concen: 62.244 ng
RT: 3.410 min Scan# 207
Delta R.T. 0.000 min
Lab File: BF142794.D
Acq: 19 Jun 2025 20:10

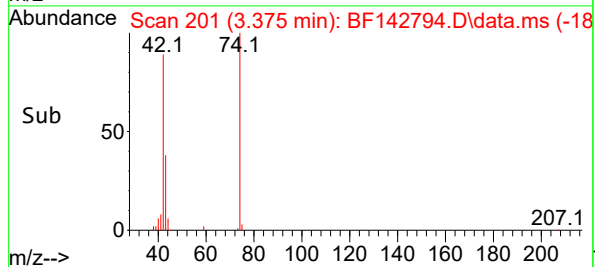
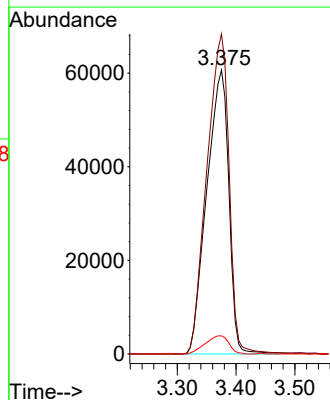
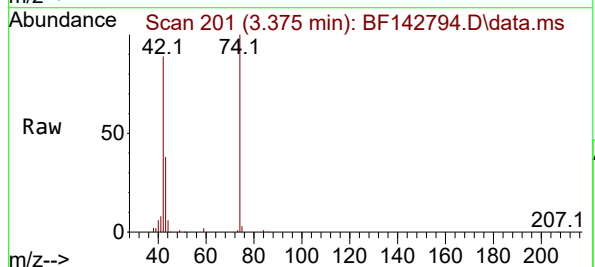
Instrument :
BNA_F
ClientSampleId :
SSTDICC060

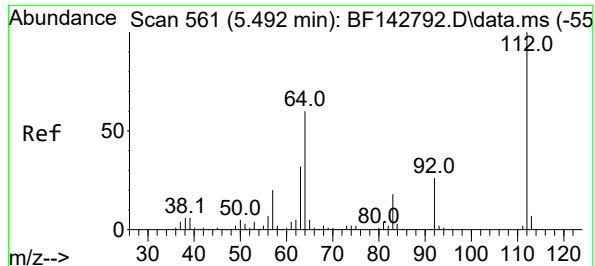
Tgt Ion: 79 Resp: 302137
Ion Ratio Lower Upper
79 100
52 86.1 69.2 103.8
51 42.1 33.2 49.8



#4
n-Nitrosodimethylamine
Concen: 63.520 ng
RT: 3.375 min Scan# 201
Delta R.T. 0.018 min
Lab File: BF142794.D
Acq: 19 Jun 2025 20:10

Tgt Ion: 42 Resp: 157914
Ion Ratio Lower Upper
42 100
74 112.7 90.9 136.3
44 6.4 5.8 8.6





#5

2-Fluorophenol

Concen: 119.852 ng

RT: 5.498 min Scan# 5

Delta R.T. 0.006 min

Lab File: BF142794.D

Acq: 19 Jun 2025 20:10

Instrument :

BNA_F

ClientSampleId :

SSTDICC060

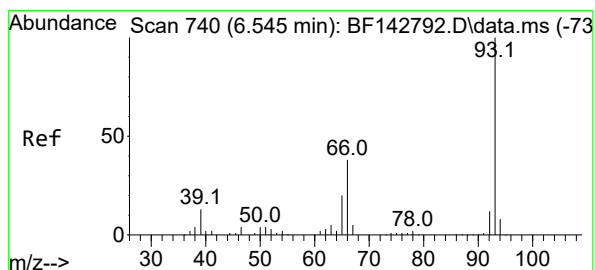
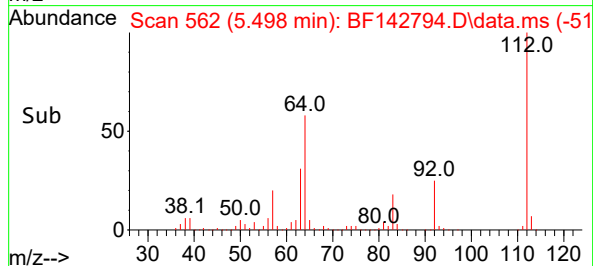
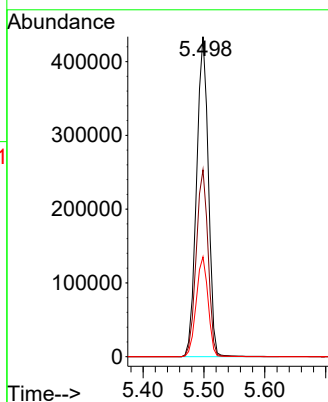
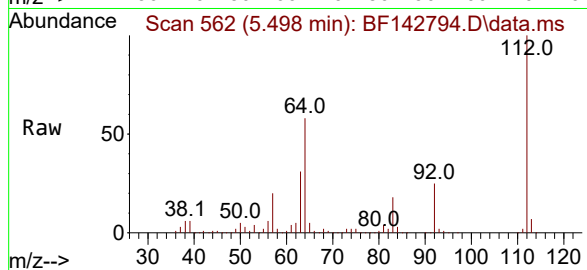
Tgt Ion:112 Resp: 585158

Ion Ratio Lower Upper

112 100

64 58.4 48.2 72.2

63 31.2 25.7 38.5



#6

Aniline

Concen: 60.761 ng

RT: 6.545 min Scan# 740

Delta R.T. 0.000 min

Lab File: BF142794.D

Acq: 19 Jun 2025 20:10

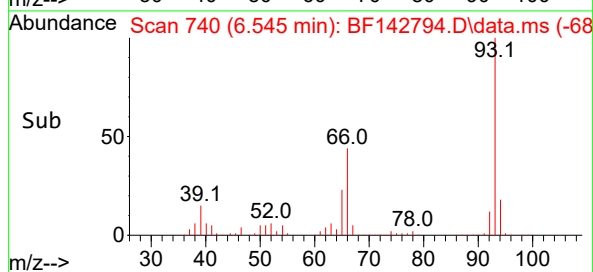
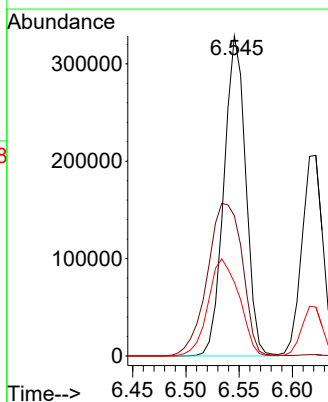
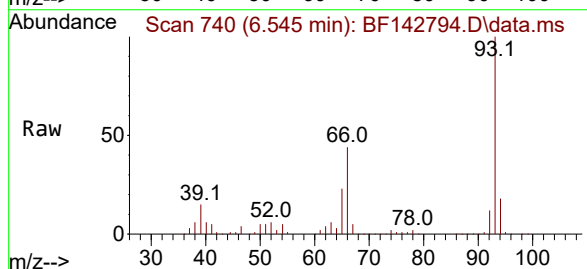
Tgt Ion: 93 Resp: 466855

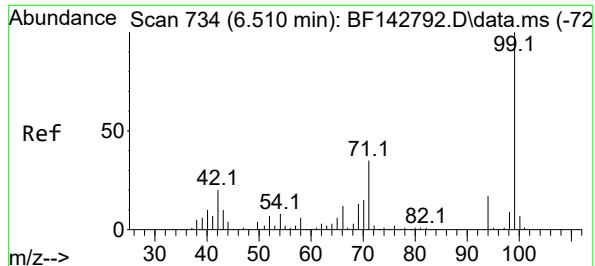
Ion Ratio Lower Upper

93 100

66 43.9 31.8 47.6

65 23.0 16.2 24.2





#7

Phenol-d6

Concen: 120.255 ng

RT: 6.516 min Scan# 71

Delta R.T. 0.006 min

Lab File: BF142794.D

Acq: 19 Jun 2025 20:10

Instrument :

BNA_F

ClientSampleId :

SSTDICC060

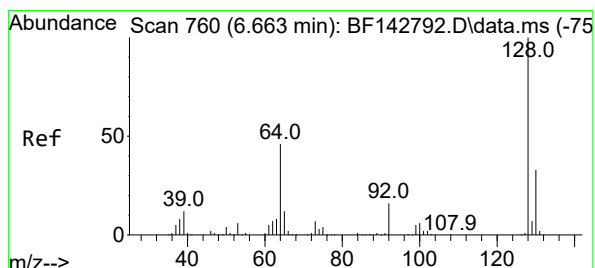
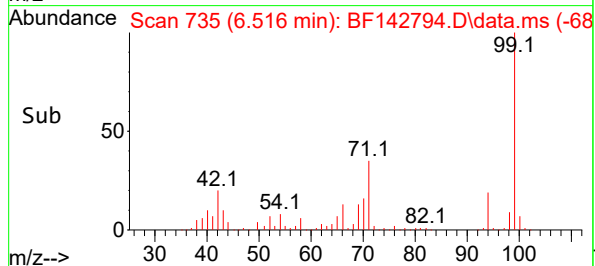
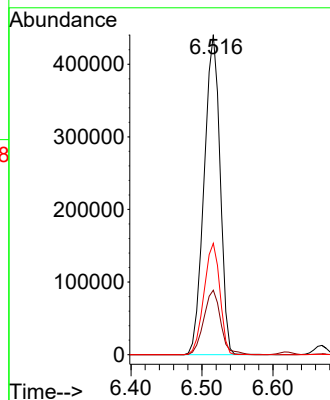
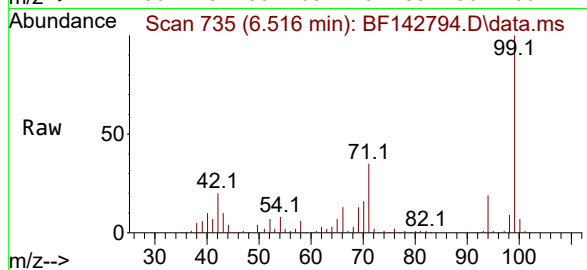
Tgt Ion: 99 Resp: 689436

Ion Ratio Lower Upper

99 100

42 20.2 15.9 23.9

71 34.8 27.8 41.8



#8

2-Chlorophenol

Concen: 59.767 ng

RT: 6.669 min Scan# 761

Delta R.T. 0.006 min

Lab File: BF142794.D

Acq: 19 Jun 2025 20:10

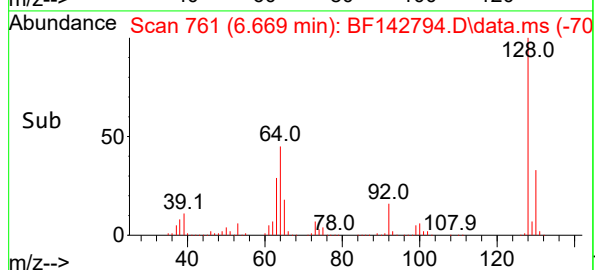
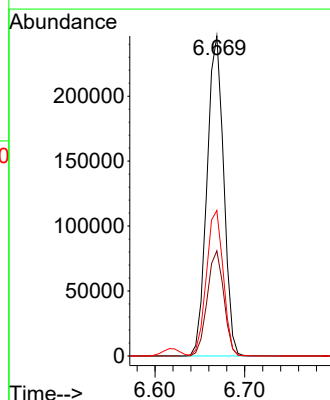
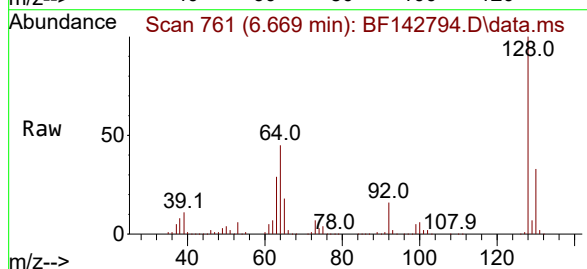
Tgt Ion:128 Resp: 317743

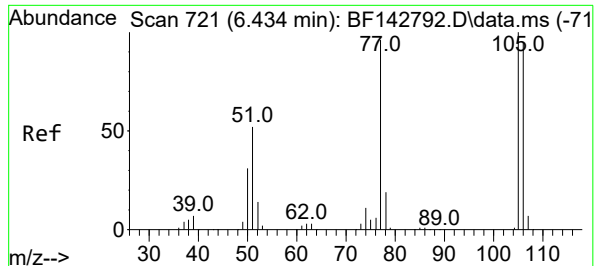
Ion Ratio Lower Upper

128 100

130 32.9 12.7 52.7

64 45.5 26.5 66.5

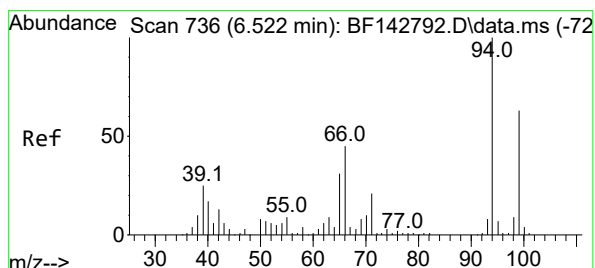
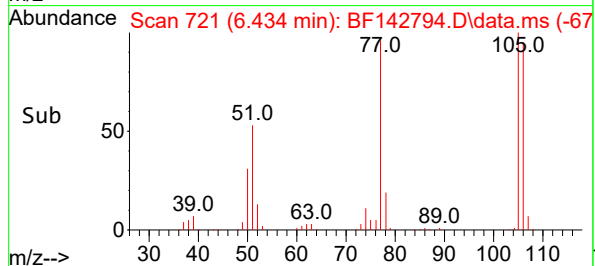
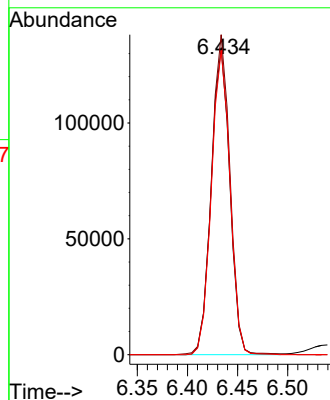
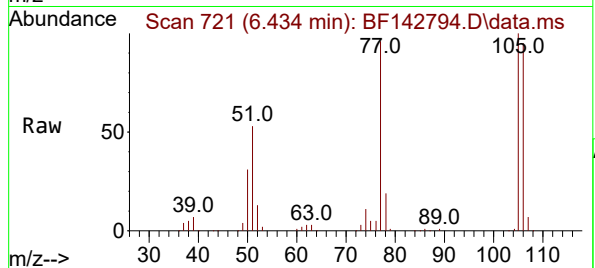




#9
Benzaldehyde
Concen: 48.878 ng
RT: 6.434 min Scan# 71
Delta R.T. 0.000 min
Lab File: BF142794.D
Acq: 19 Jun 2025 20:10

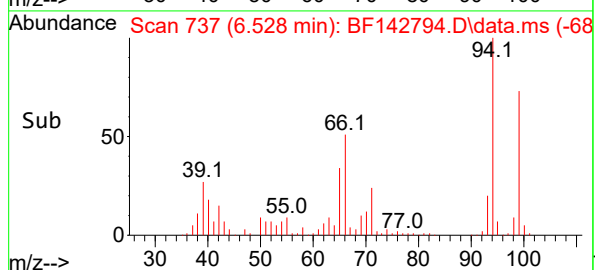
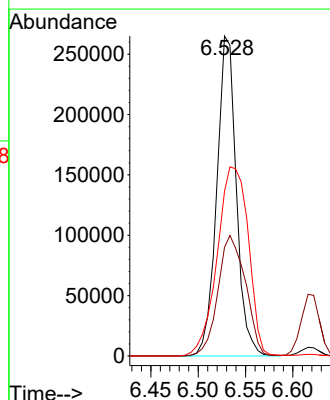
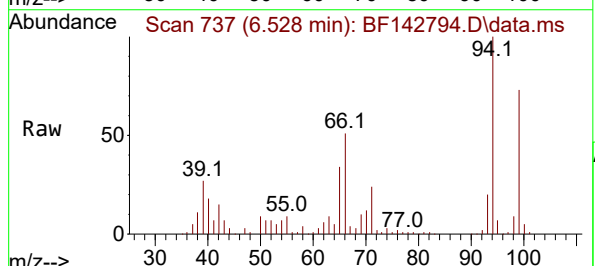
Instrument :
BNA_F
ClientSampleId :
SSTDICC060

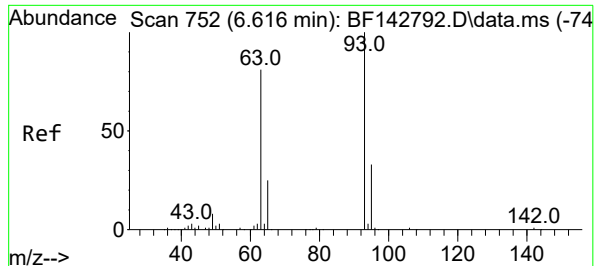
Tgt Ion: 77 Resp: 170843
Ion Ratio Lower Upper
77 100
105 104.2 83.8 123.8
106 99.1 78.7 118.7



#10
Phenol
Concen: 59.780 ng
RT: 6.528 min Scan# 737
Delta R.T. 0.006 min
Lab File: BF142794.D
Acq: 19 Jun 2025 20:10

Tgt Ion: 94 Resp: 382126
Ion Ratio Lower Upper
94 100
65 34.0 11.3 51.3
66 51.4 24.9 64.9

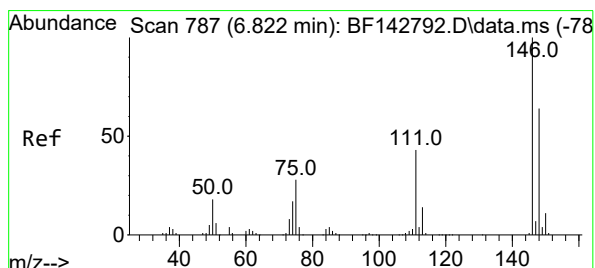
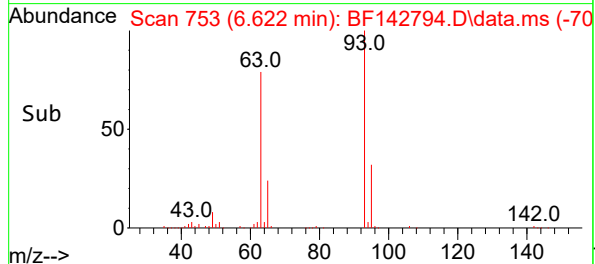
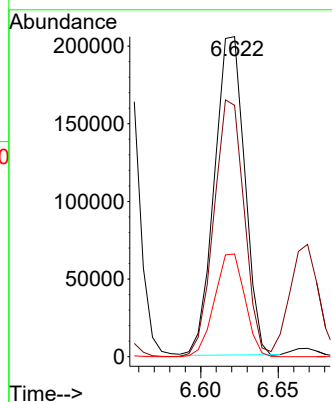
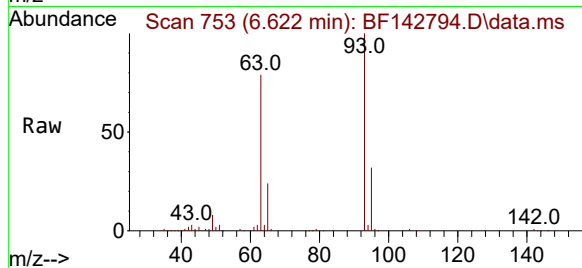




#11
bis(2-Chloroethyl)ether
Concen: 58.802 ng
RT: 6.622 min Scan# 753
Delta R.T. 0.006 min
Lab File: BF142794.D
Acq: 19 Jun 2025 20:10

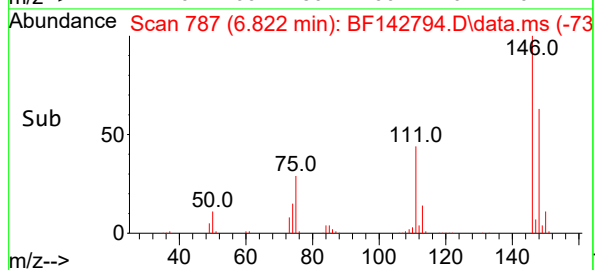
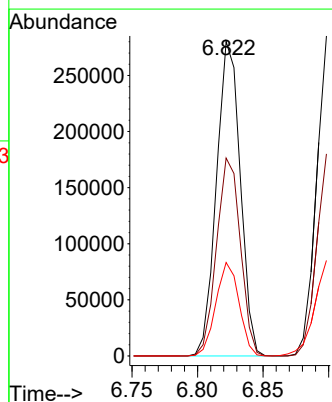
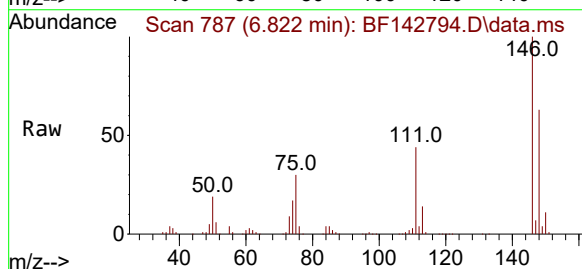
Instrument :
BNA_F
ClientSampleId :
SSTDICC060

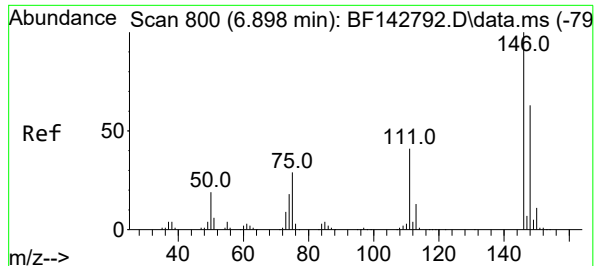
Tgt Ion: 93 Resp: 278869
Ion Ratio Lower Upper
93 100
63 78.5 60.3 100.3
95 32.1 12.5 52.5



#12
1,3-Dichlorobenzene
Concen: 58.337 ng
RT: 6.822 min Scan# 787
Delta R.T. 0.000 min
Lab File: BF142794.D
Acq: 19 Jun 2025 20:10

Tgt Ion: 146 Resp: 353155
Ion Ratio Lower Upper
146 100
148 63.0 51.1 76.7
75 29.7 22.7 34.1





#13

1,4-Dichlorobenzene

Concen: 58.035 ng

RT: 6.898 min Scan# 800

Delta R.T. 0.000 min

Lab File: BF142794.D

Acq: 19 Jun 2025 20:10

Instrument :

BNA_F

ClientSampleId :

SSTDICC060

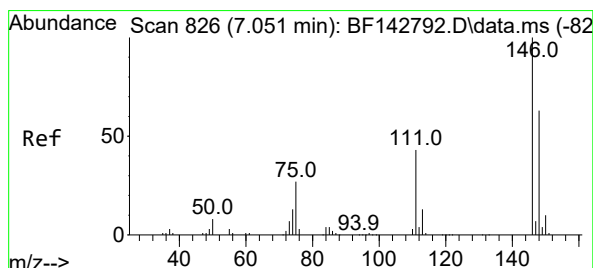
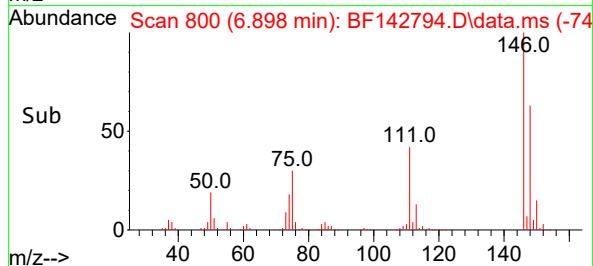
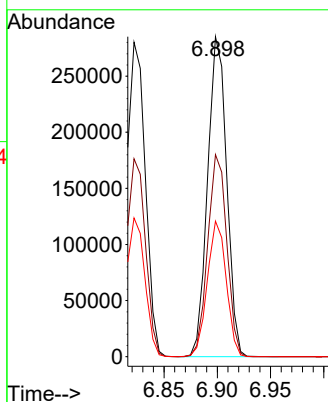
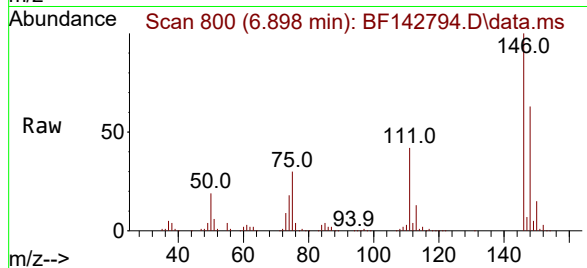
Tgt Ion:146 Resp: 356089

Ion Ratio Lower Upper

146 100

148 63.1 50.2 75.2

111 42.4 33.2 49.8



#14

1,2-Dichlorobenzene

Concen: 57.645 ng

RT: 7.051 min Scan# 826

Delta R.T. 0.000 min

Lab File: BF142794.D

Acq: 19 Jun 2025 20:10

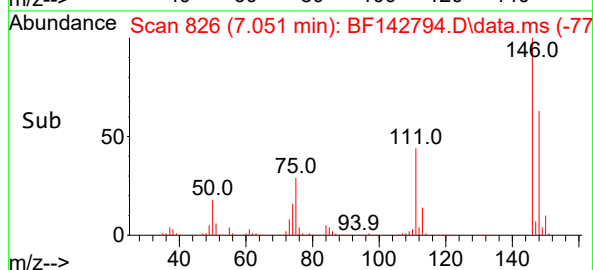
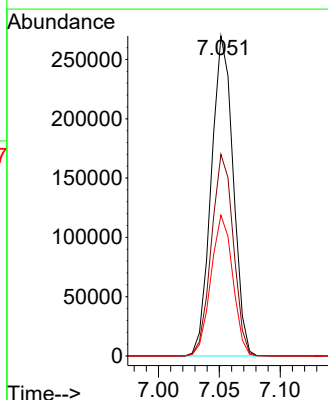
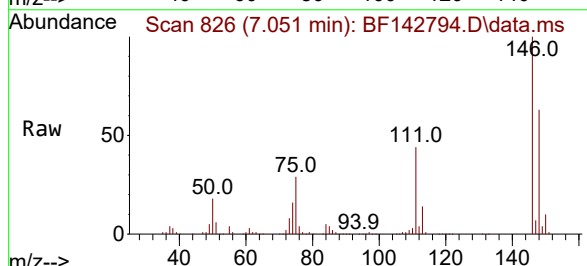
Tgt Ion:146 Resp: 338121

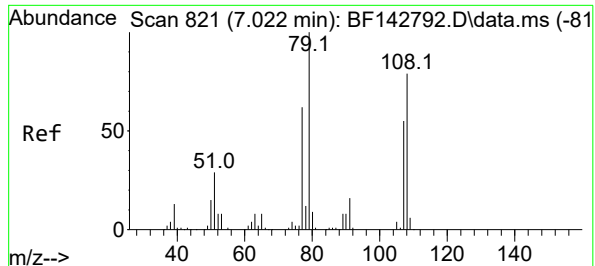
Ion Ratio Lower Upper

146 100

148 63.0 50.4 75.6

111 44.0 34.1 51.1





#15

Benzyl Alcohol

Concen: 60.062 ng

RT: 7.028 min Scan# 81

Delta R.T. 0.006 min

Lab File: BF142794.D

Acq: 19 Jun 2025 20:10

Instrument :

BNA_F

ClientSampleId :

SSTDICC060

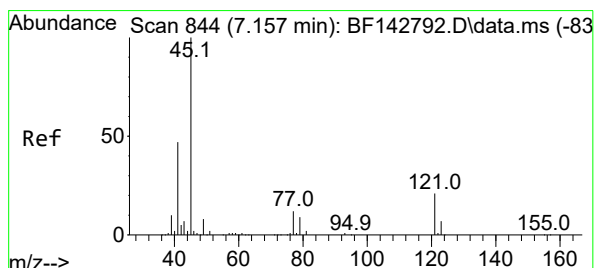
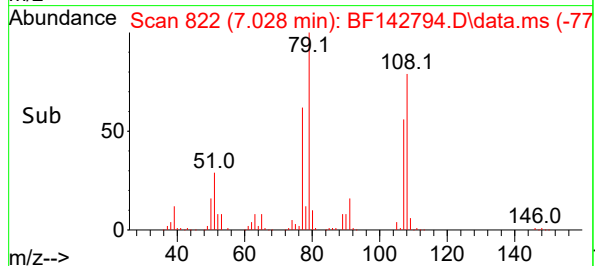
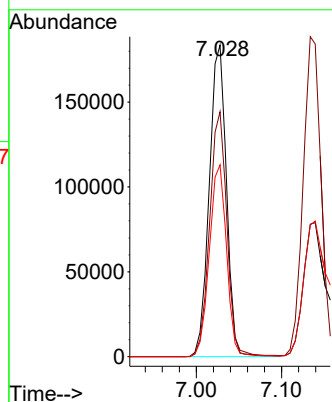
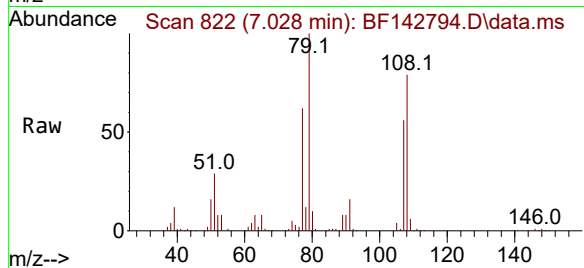
Tgt Ion: 79 Resp: 257749

Ion Ratio Lower Upper

79 100

108 78.6 63.4 95.0

77 61.5 49.5 74.3



#16

2,2'-oxybis(1-Chloropropane)

Concen: 58.763 ng

RT: 7.157 min Scan# 844

Delta R.T. 0.000 min

Lab File: BF142794.D

Acq: 19 Jun 2025 20:10

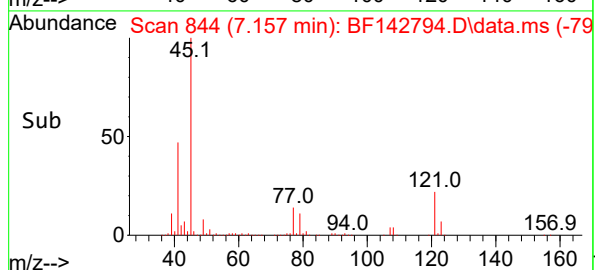
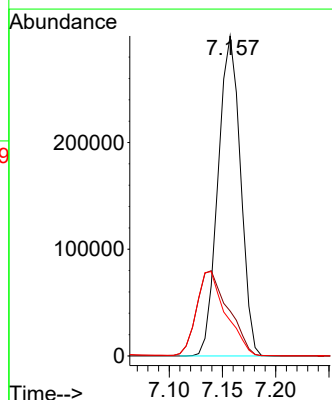
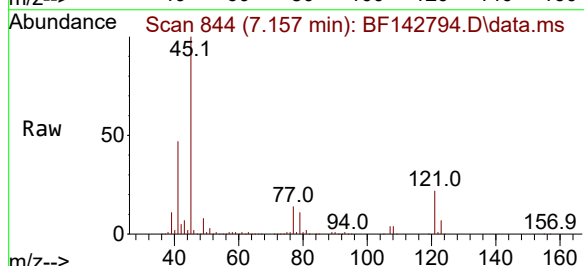
Tgt Ion: 45 Resp: 439082

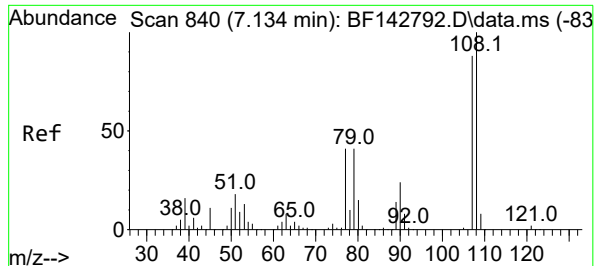
Ion Ratio Lower Upper

45 100

77 14.0 0.0 32.8

79 11.1 0.0 29.8

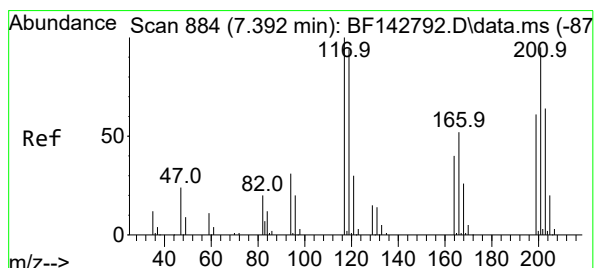
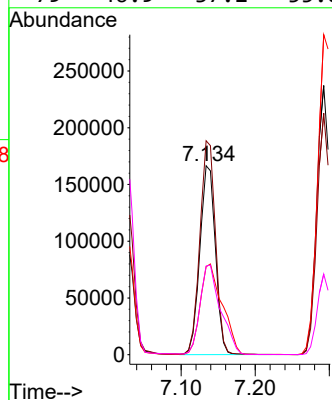
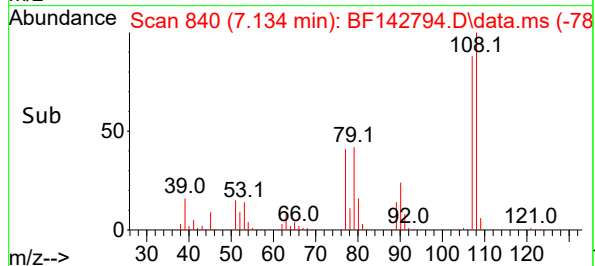
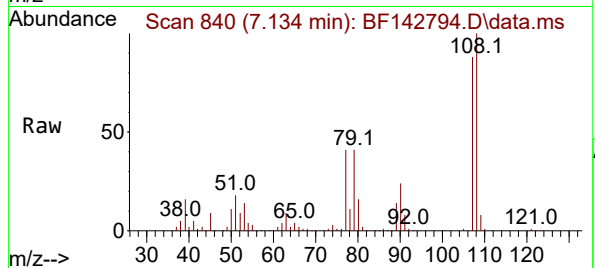




#17
2-Methylphenol
Concen: 59.716 ng
RT: 7.134 min Scan# 840
Delta R.T. 0.000 min
Lab File: BF142794.D
Acq: 19 Jun 2025 20:10

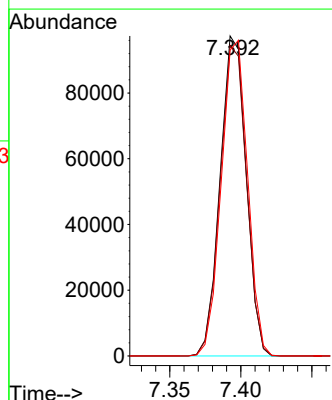
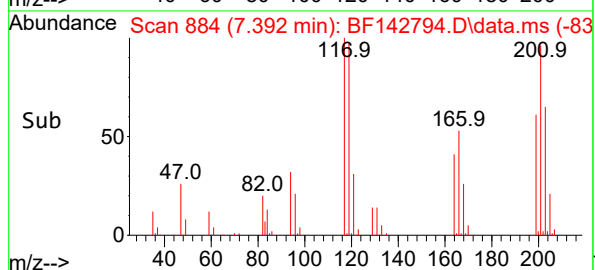
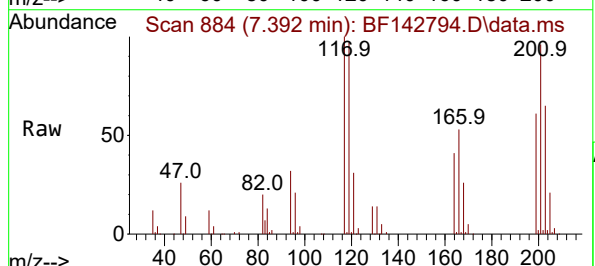
Instrument :
BNA_F
ClientSampleId :
SSTDICC060

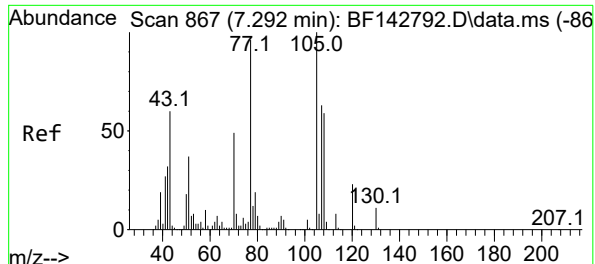
Tgt Ion:107 Resp: 242711
Ion Ratio Lower Upper
107 100
108 113.2 90.9 136.3
77 46.6 37.3 55.9
79 46.9 37.2 55.8



#18
Hexachloroethane
Concen: 56.741 ng
RT: 7.392 min Scan# 884
Delta R.T. 0.000 min
Lab File: BF142794.D
Acq: 19 Jun 2025 20:10

Tgt Ion:117 Resp: 124457
Ion Ratio Lower Upper
117 100
119 97.0 75.4 113.0
201 95.6 75.9 113.9





#19

n-Nitroso-di-n-propylamine

Concen: 56.123 ng

RT: 7.304 min Scan# 869

Delta R.T. 0.012 min

Lab File: BF142794.D

Acq: 19 Jun 2025 20:10

Instrument :

BNA_F

ClientSampleId :

SSTDICC060

Tgt Ion: 70 Resp: 202914

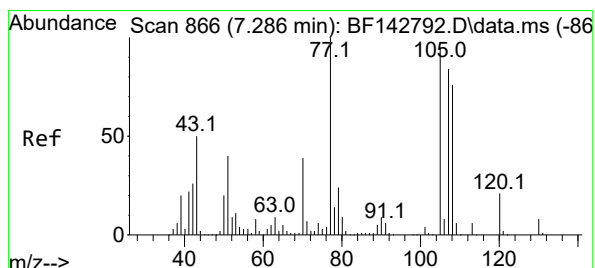
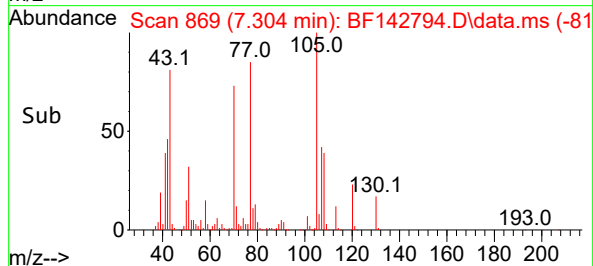
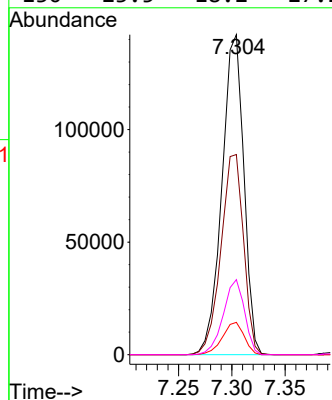
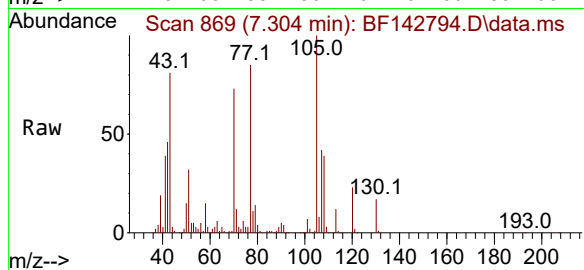
Ion Ratio Lower Upper

70 100

42 62.6 52.1 78.1

101 10.1 8.2 12.2

130 23.5 18.2 27.2



#20

3+4-Methylphenols

Concen: 58.442 ng

RT: 7.292 min Scan# 867

Delta R.T. 0.006 min

Lab File: BF142794.D

Acq: 19 Jun 2025 20:10

Tgt Ion:107 Resp: 298960

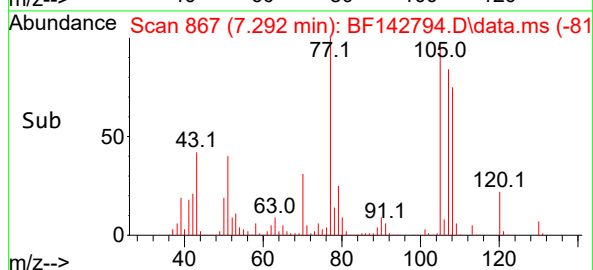
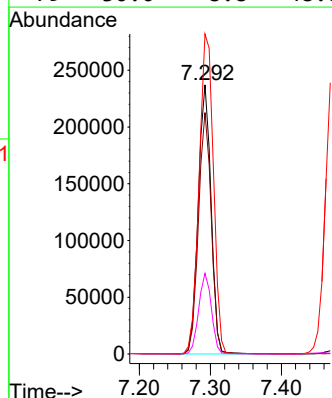
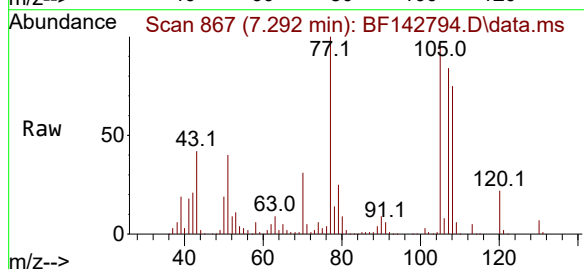
Ion Ratio Lower Upper

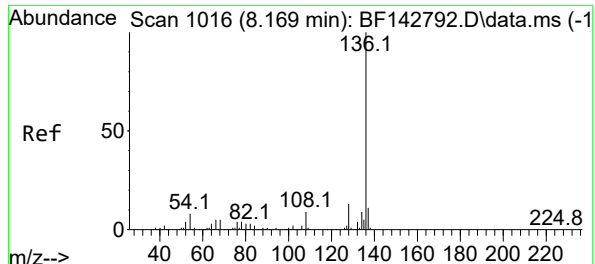
107 100

108 89.7 70.0 110.0

77 118.9 98.5 138.5

79 30.0 8.8 48.8





#21

Naphthalene-d8

Concen: 20.000 ng

RT: 8.169 min Scan# 1016

Delta R.T. 0.000 min

Lab File: BF142794.D

Acq: 19 Jun 2025 20:10

Instrument :

BNA_F

ClientSampleId :

SSTDICC060

Tgt Ion:136 Resp: 313390

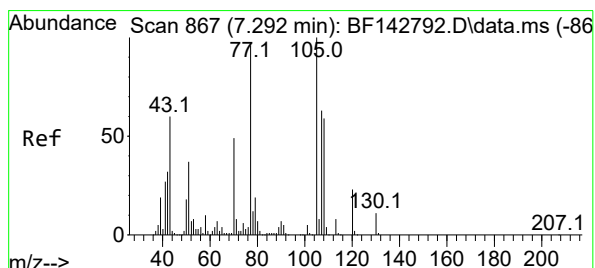
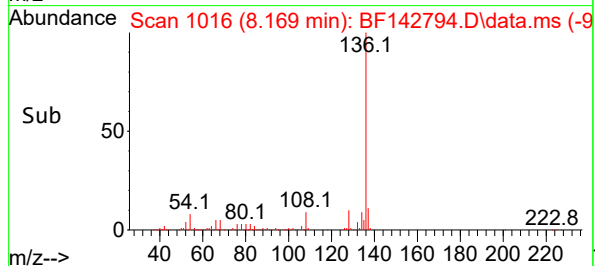
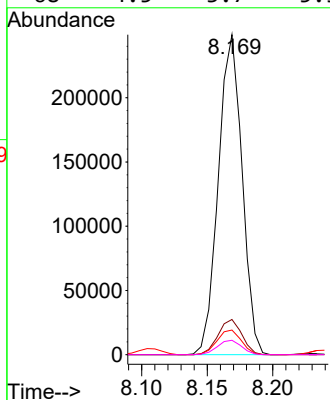
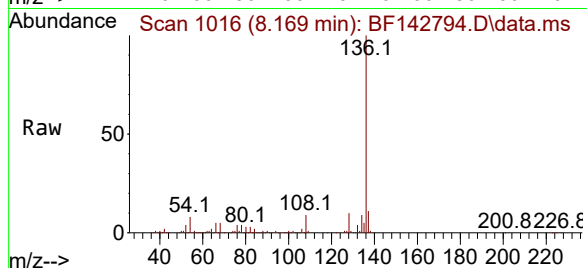
Ion Ratio Lower Upper

136 100

137 11.0 8.4 12.6

54 7.7 6.3 9.5

68 4.5 3.7 5.5



#22

Acetophenone

Concen: 58.063 ng

RT: 7.298 min Scan# 868

Delta R.T. 0.006 min

Lab File: BF142794.D

Acq: 19 Jun 2025 20:10

Tgt Ion:105 Resp: 402615

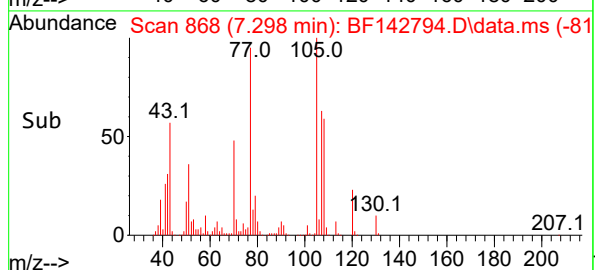
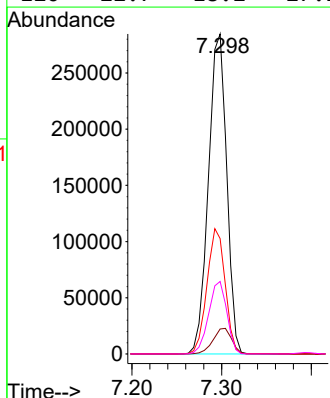
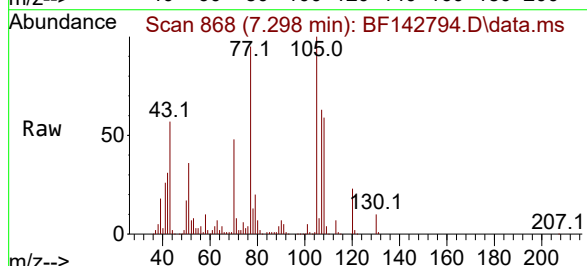
Ion Ratio Lower Upper

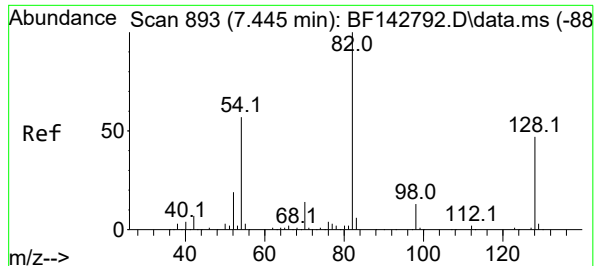
105 100

71 7.8 6.5 9.7

51 36.1 29.8 44.8

120 22.7 18.2 27.2





#23

Nitrobenzene-d5

Concen: 119.003 ng

RT: 7.451 min Scan# 894

Delta R.T. 0.006 min

Lab File: BF142794.D

Acq: 19 Jun 2025 20:10

Instrument :

BNA_F

ClientSampleId :

SSTDICC060

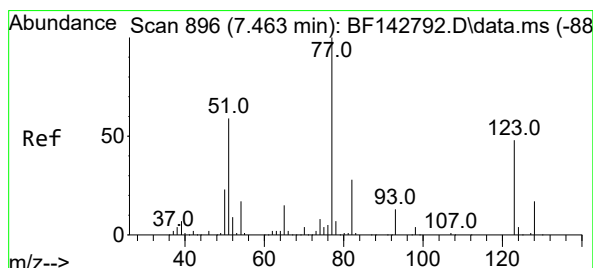
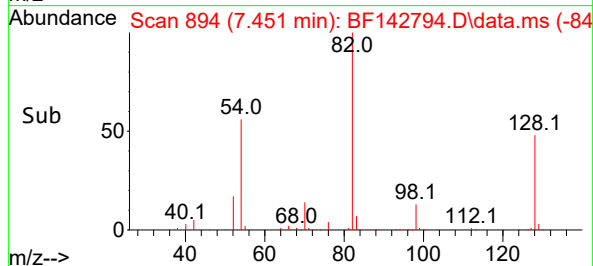
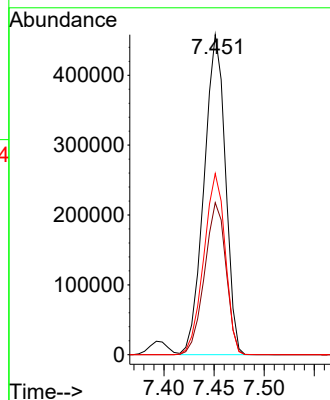
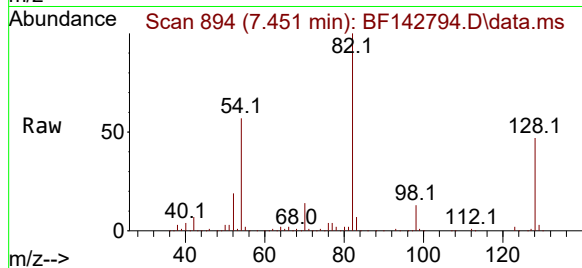
Tgt Ion: 82 Resp: 680402

Ion Ratio Lower Upper

82 100

128 47.5 37.7 56.5

54 56.6 45.7 68.5



#24

Nitrobenzene

Concen: 60.229 ng

RT: 7.469 min Scan# 897

Delta R.T. 0.006 min

Lab File: BF142794.D

Acq: 19 Jun 2025 20:10

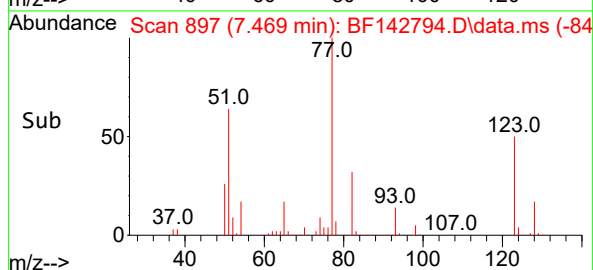
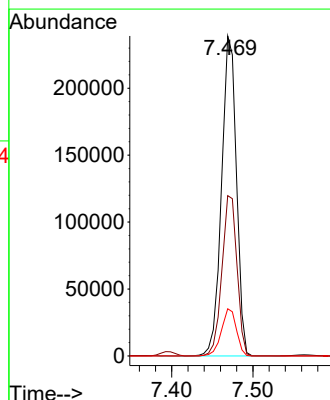
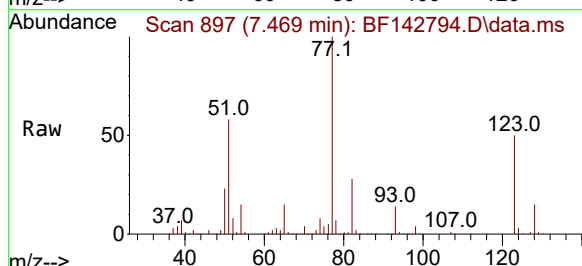
Tgt Ion: 77 Resp: 306032

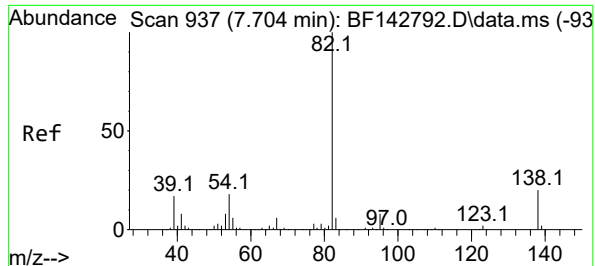
Ion Ratio Lower Upper

77 100

123 50.1 39.2 58.8

65 14.7 11.6 17.4





#25

Isophorone

Concen: 57.216 ng

RT: 7.710 min Scan# 91

Delta R.T. 0.006 min

Lab File: BF142794.D

Acq: 19 Jun 2025 20:10

Instrument :

BNA_F

ClientSampleId :

SSTDIC060

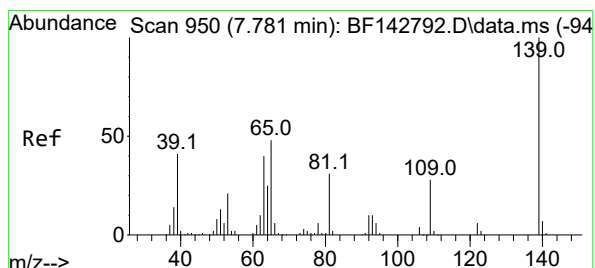
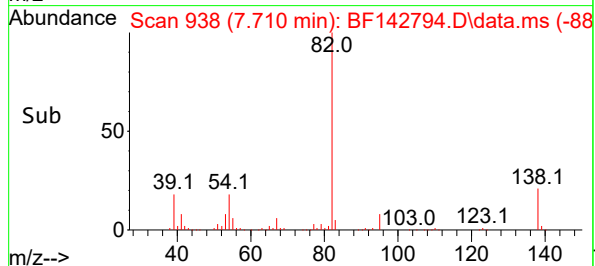
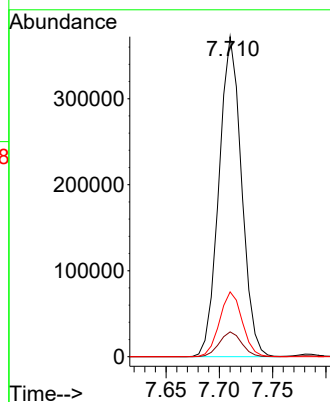
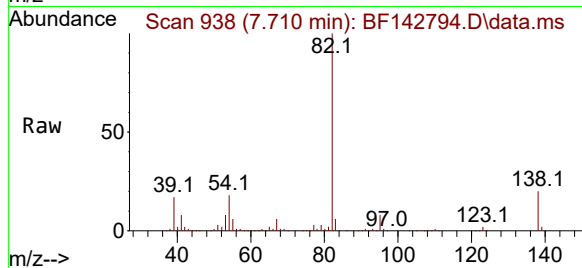
Tgt Ion: 82 Resp: 548612

Ion Ratio Lower Upper

82 100

95 7.8 6.2 9.2

138 20.3 16.2 24.4



#26

2-Nitrophenol

Concen: 61.836 ng

RT: 7.786 min Scan# 951

Delta R.T. 0.006 min

Lab File: BF142794.D

Acq: 19 Jun 2025 20:10

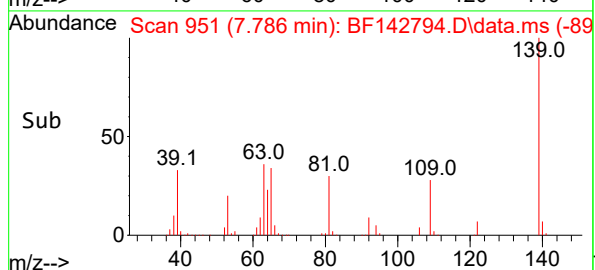
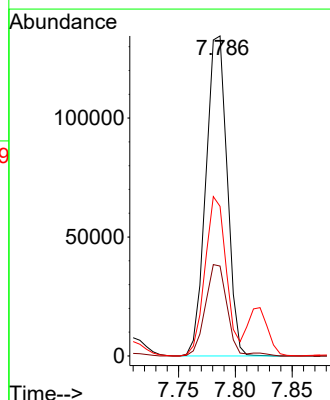
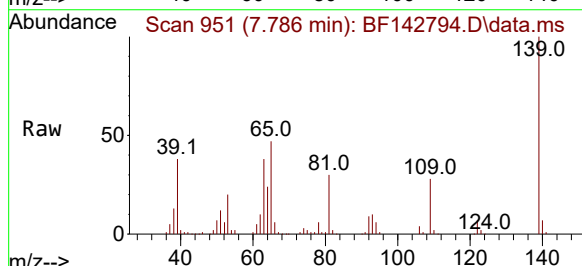
Tgt Ion: 139 Resp: 175072

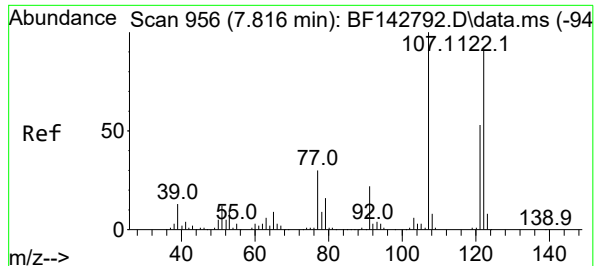
Ion Ratio Lower Upper

139 100

109 28.1 22.7 34.1

65 46.8 38.6 58.0





#27

2,4-Dimethylphenol

Concen: 59.859 ng

RT: 7.822 min Scan# 91

Delta R.T. 0.006 min

Lab File: BF142794.D

Acq: 19 Jun 2025 20:10

Instrument :

BNA_F

ClientSampleId :

SSTDICC060

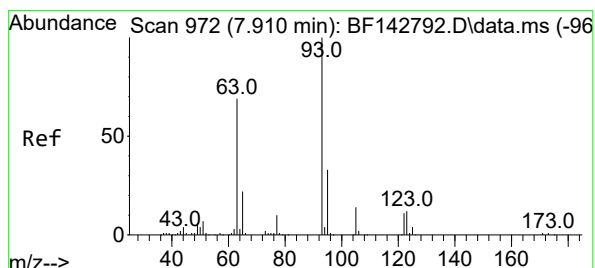
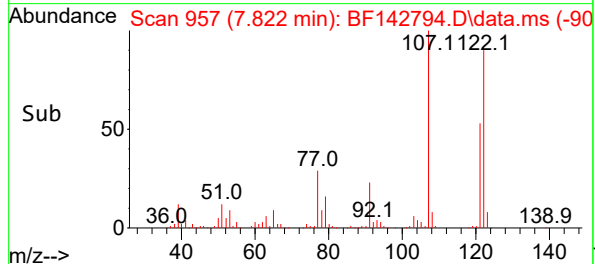
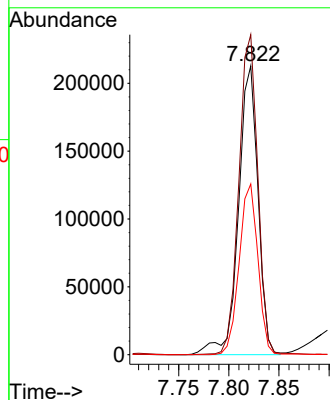
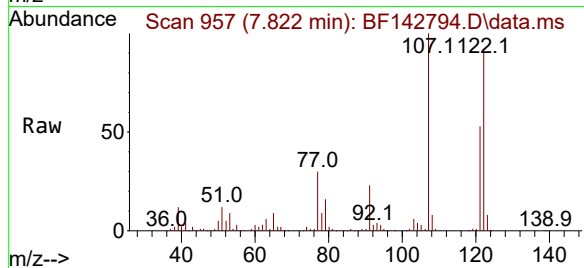
Tgt Ion:122 Resp: 288532

Ion Ratio Lower Upper

122 100

107 110.8 88.0 132.0

121 59.1 46.3 69.5



#28

bis(2-Chloroethoxy)methane

Concen: 57.620 ng

RT: 7.916 min Scan# 973

Delta R.T. 0.006 min

Lab File: BF142794.D

Acq: 19 Jun 2025 20:10

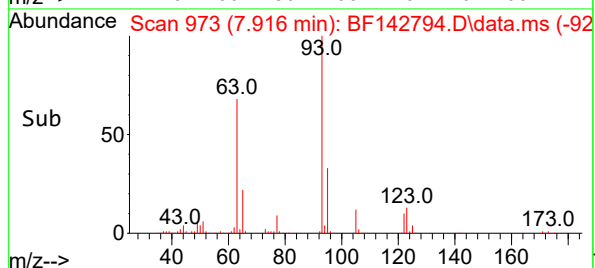
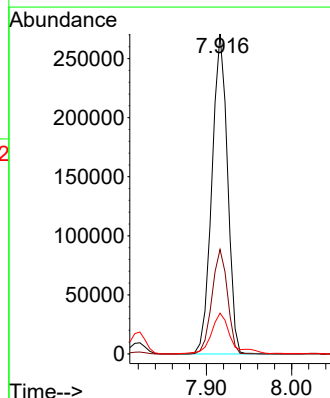
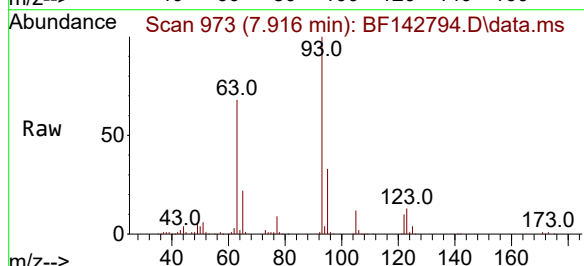
Tgt Ion: 93 Resp: 343925

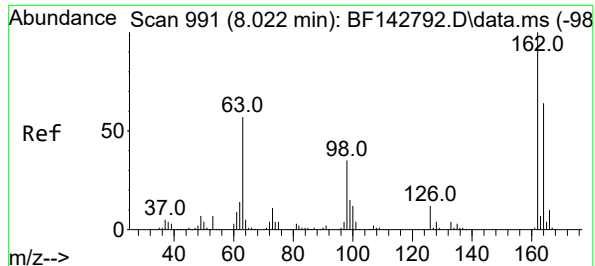
Ion Ratio Lower Upper

93 100

95 32.6 26.2 39.2

123 12.8 9.9 14.9





#29

2,4-Dichlorophenol

Concen: 58.574 ng

RT: 8.028 min Scan# 991

Delta R.T. 0.006 min

Lab File: BF142794.D

Acq: 19 Jun 2025 20:10

Instrument :

BNA_F

ClientSampleId :

SSTDICC060

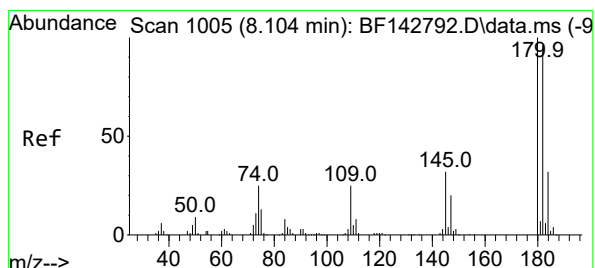
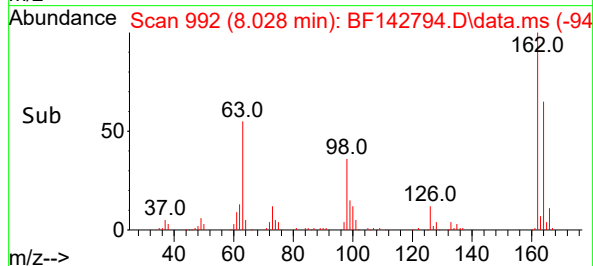
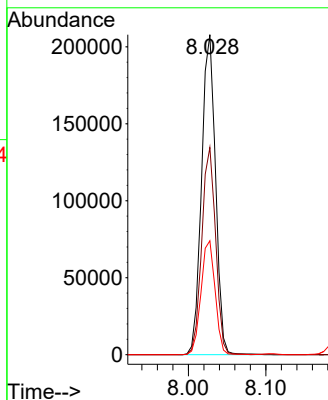
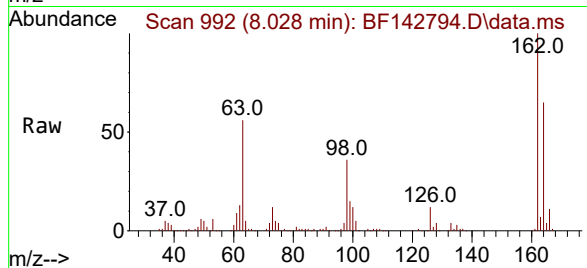
Tgt Ion:162 Resp: 260228

Ion Ratio Lower Upper

162 100

164 64.7 44.0 84.0

98 35.6 15.4 55.4



#30

1,2,4-Trichlorobenzene

Concen: 57.608 ng

RT: 8.110 min Scan# 1006

Delta R.T. 0.006 min

Lab File: BF142794.D

Acq: 19 Jun 2025 20:10

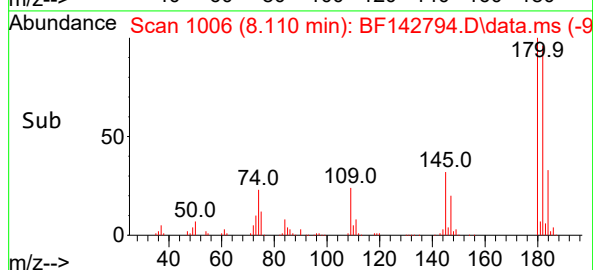
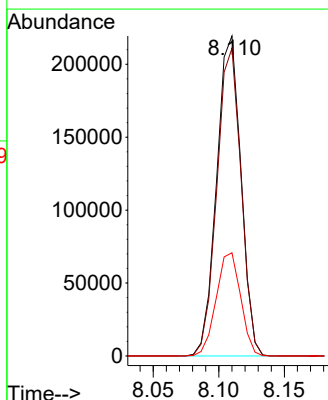
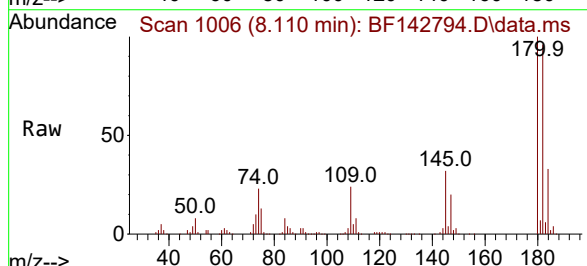
Tgt Ion:180 Resp: 282721

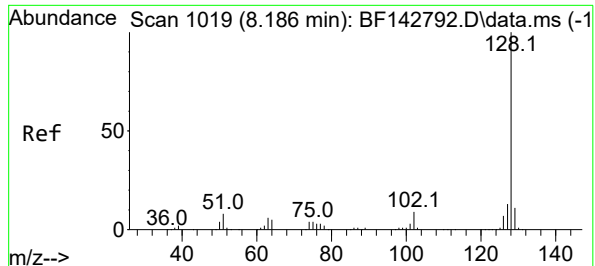
Ion Ratio Lower Upper

180 100

182 96.2 76.4 114.6

145 32.2 25.8 38.8





#31

Naphthalene

Concen: 57.524 ng

RT: 8.192 min Scan# 1

Delta R.T. 0.006 min

Lab File: BF142794.D

Acq: 19 Jun 2025 20:10

Instrument :

BNA_F

ClientSampleId :

SSTDICC060

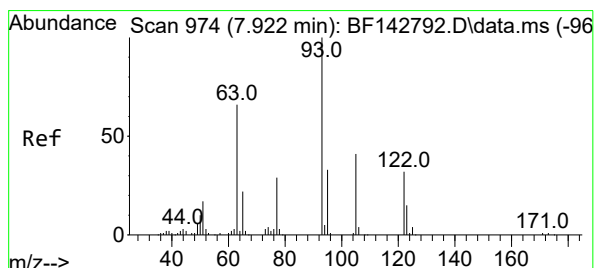
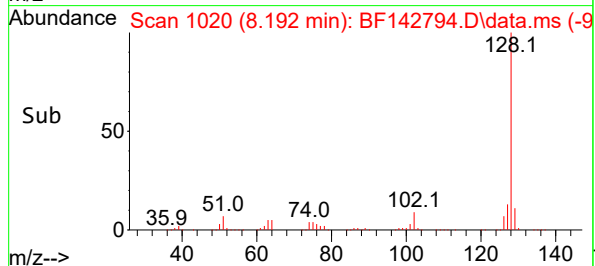
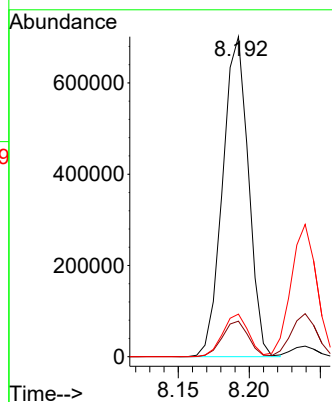
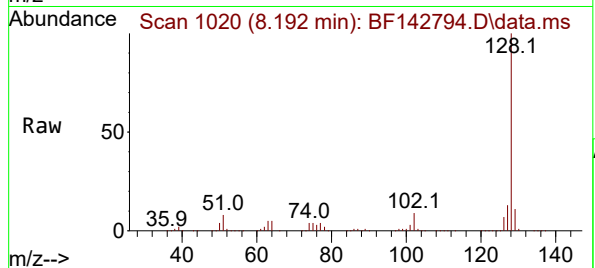
Tgt Ion:128 Resp: 886614

Ion Ratio Lower Upper

128 100

129 11.1 8.9 13.3

127 13.3 10.4 15.6



#32

Benzoic acid

Concen: 63.369 ng

RT: 7.945 min Scan# 978

Delta R.T. 0.024 min

Lab File: BF142794.D

Acq: 19 Jun 2025 20:10

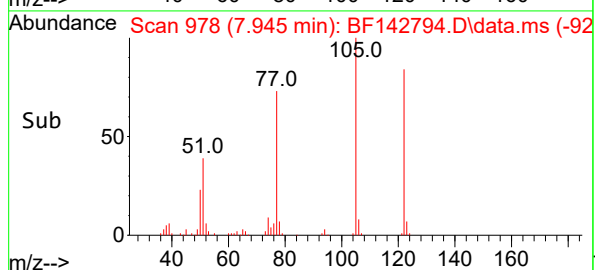
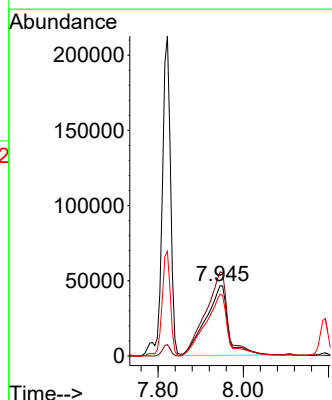
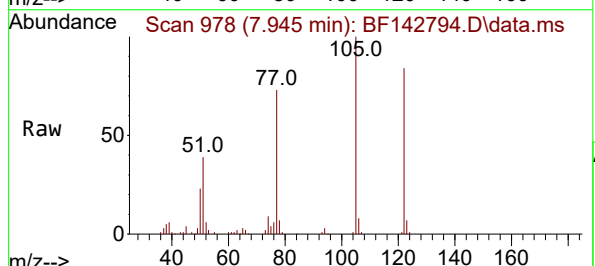
Tgt Ion:122 Resp: 169471

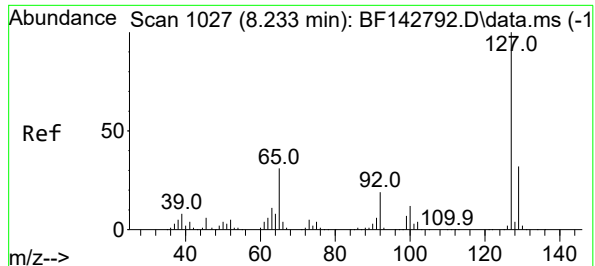
Ion Ratio Lower Upper

122 100

105 119.7 104.7 144.7

77 87.9 70.2 110.2





#33

4-Chloroaniline

Concen: 59.887 ng

RT: 8.239 min Scan# 1028

Delta R.T. 0.006 min

Lab File: BF142794.D

Acq: 19 Jun 2025 20:10

Instrument :

BNA_F

ClientSampleId :

SSTDICC060

Tgt Ion:127 Resp: 369911

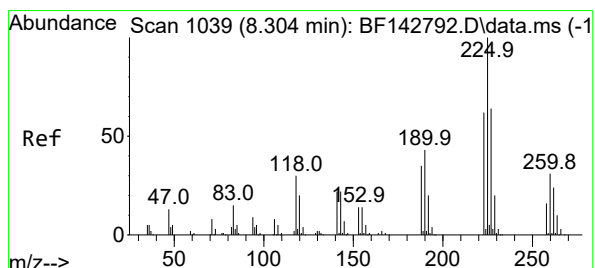
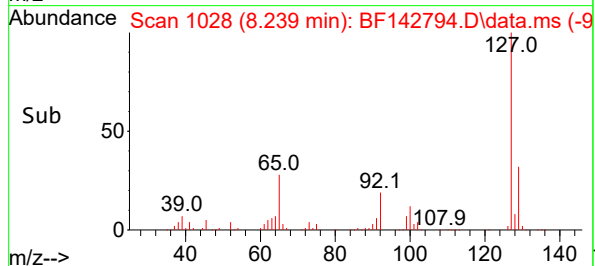
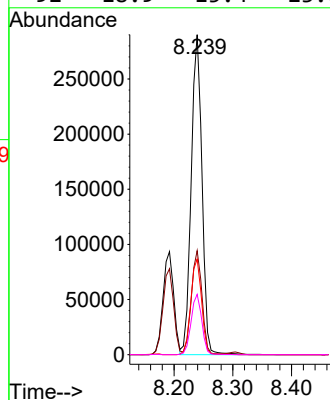
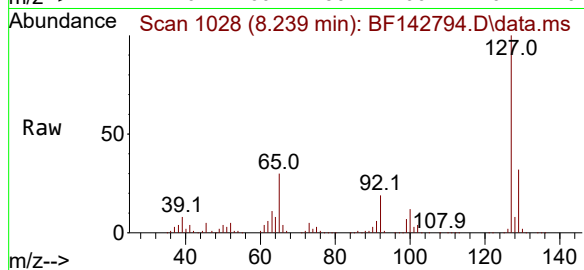
Ion Ratio Lower Upper

127 100

129 32.5 25.9 38.9

65 29.9 24.6 36.8

92 18.9 15.4 23.0



#34

Hexachlorobutadiene

Concen: 55.768 ng

RT: 8.304 min Scan# 1039

Delta R.T. 0.000 min

Lab File: BF142794.D

Acq: 19 Jun 2025 20:10

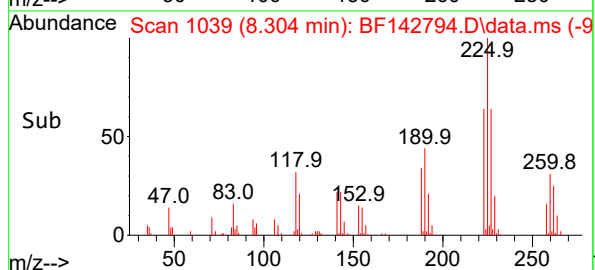
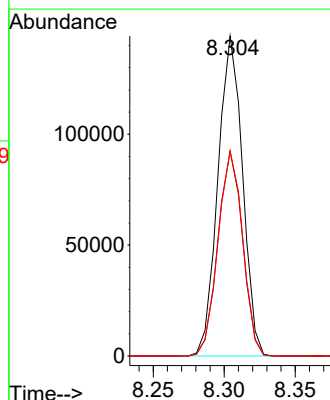
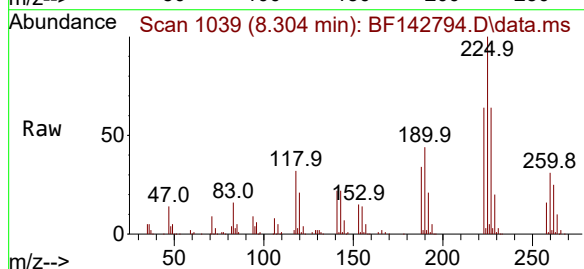
Tgt Ion:225 Resp: 173425

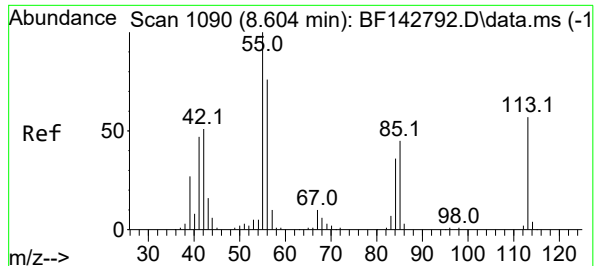
Ion Ratio Lower Upper

225 100

223 64.0 49.9 74.9

227 64.0 51.4 77.0





#35

Caprolactam

Concen: 61.157 ng

RT: 8.622 min Scan# 1109

Delta R.T. 0.018 min

Lab File: BF142794.D

Acq: 19 Jun 2025 20:10

Instrument :

BNA_F

ClientSampleId :

SSTDICC060

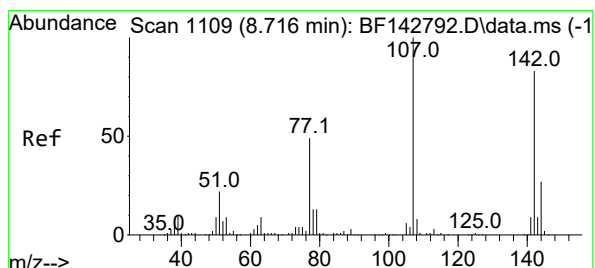
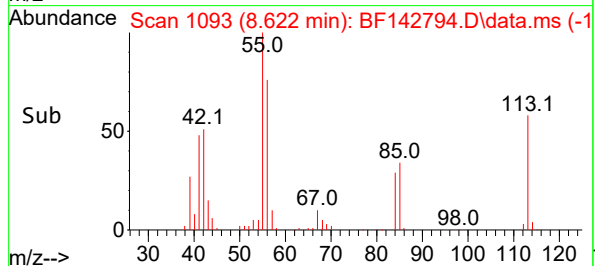
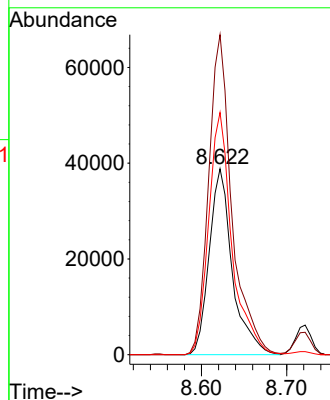
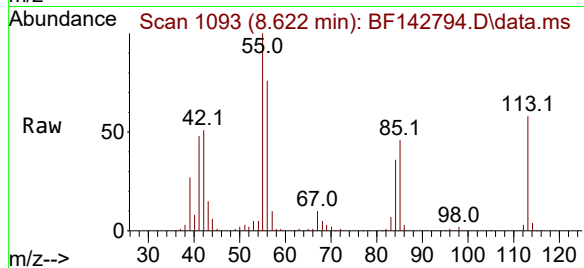
Tgt Ion:113 Resp: 73108

Ion Ratio Lower Upper

113 100

55 172.2 154.4 194.4

56 130.3 112.1 152.1



#36

4-Chloro-3-methylphenol

Concen: 56.927 ng

RT: 8.722 min Scan# 1110

Delta R.T. 0.006 min

Lab File: BF142794.D

Acq: 19 Jun 2025 20:10

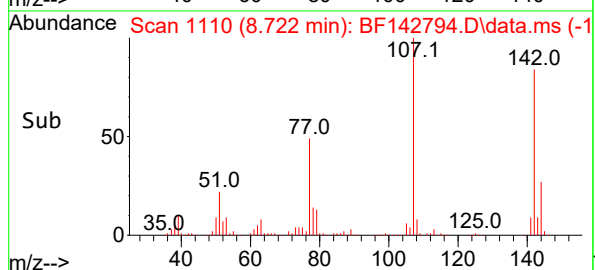
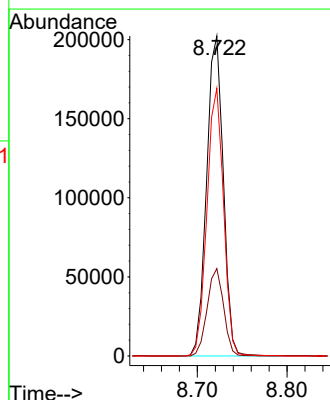
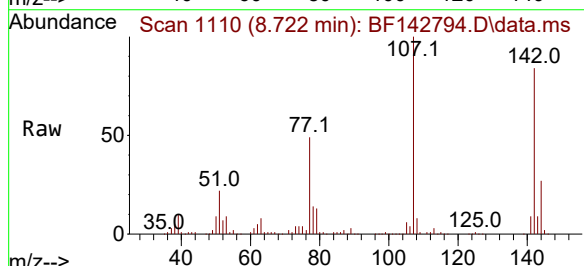
Tgt Ion:107 Resp: 261249

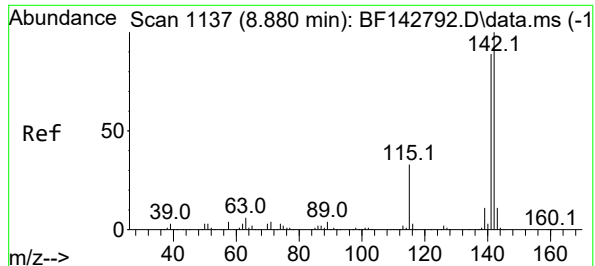
Ion Ratio Lower Upper

107 100

144 27.3 21.3 31.9

142 83.6 66.6 100.0

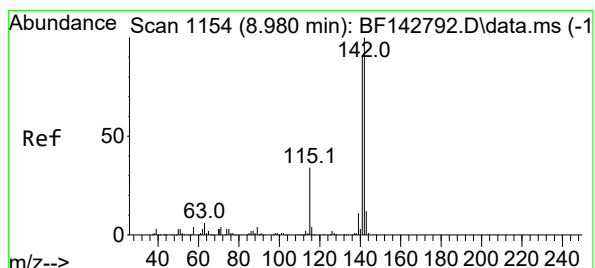
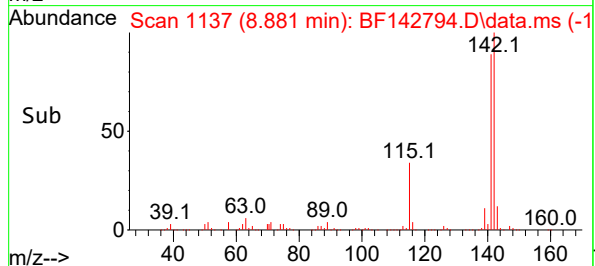
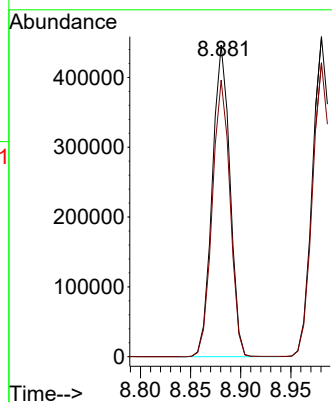
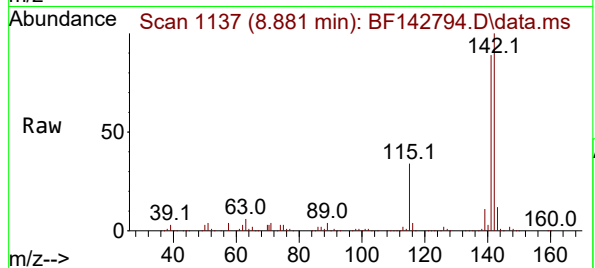




#37
2-Methylnaphthalene
Concen: 56.406 ng
RT: 8.881 min Scan# 1137
Delta R.T. 0.000 min
Lab File: BF142794.D
Acq: 19 Jun 2025 20:10

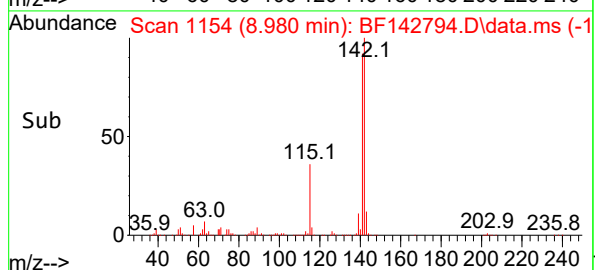
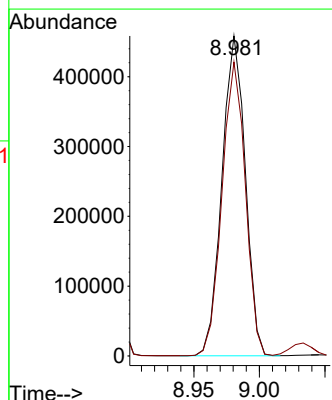
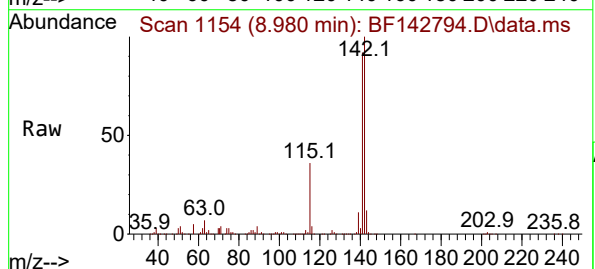
Instrument :
BNA_F
ClientSampleId :
SSTDICC060

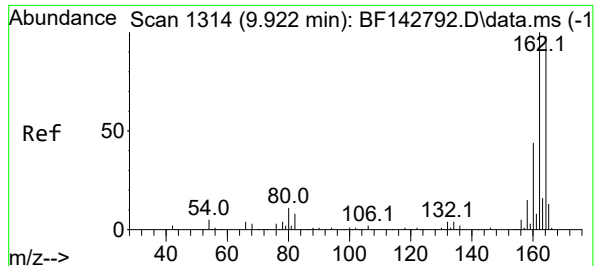
Tgt Ion:142 Resp: 548439
Ion Ratio Lower Upper
142 100
141 88.7 70.9 106.3



#38
1-Methylnaphthalene
Concen: 56.247 ng
RT: 8.980 min Scan# 1154
Delta R.T. 0.000 min
Lab File: BF142794.D
Acq: 19 Jun 2025 20:10

Tgt Ion:142 Resp: 567801
Ion Ratio Lower Upper
142 100
141 91.8 73.0 109.4





#39

Acenaphthene-d10

Concen: 20.000 ng

RT: 9.928 min Scan# 1115

Delta R.T. 0.006 min

Lab File: BF142794.D

Acq: 19 Jun 2025 20:10

Instrument :

BNA_F

ClientSampleId :

SSTDICC060

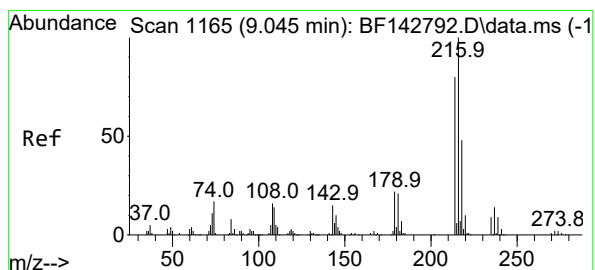
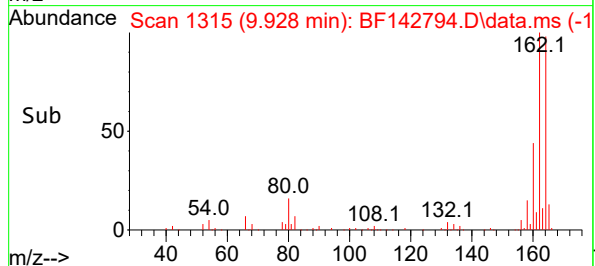
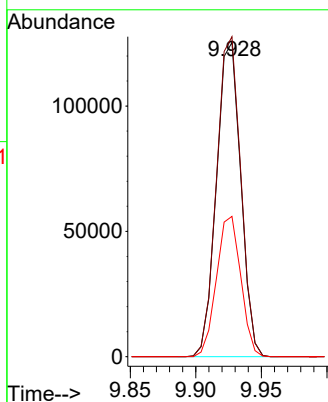
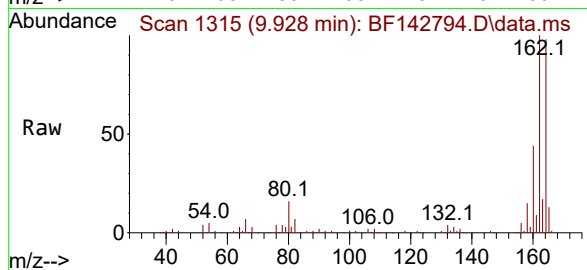
Tgt Ion:164 Resp: 161044

Ion Ratio Lower Upper

164 100

162 101.9 81.8 122.8

160 44.7 36.0 54.0



#40

1,2,4,5-Tetrachlorobenzene

Concen: 59.918 ng

RT: 9.045 min Scan# 1165

Delta R.T. 0.000 min

Lab File: BF142794.D

Acq: 19 Jun 2025 20:10

Tgt Ion:216 Resp: 278551

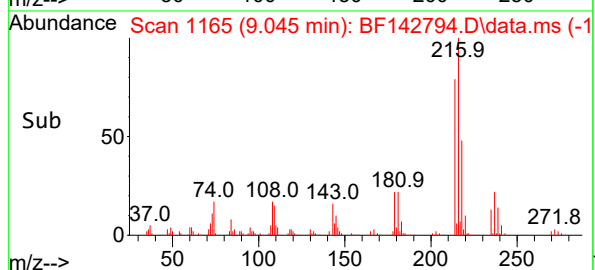
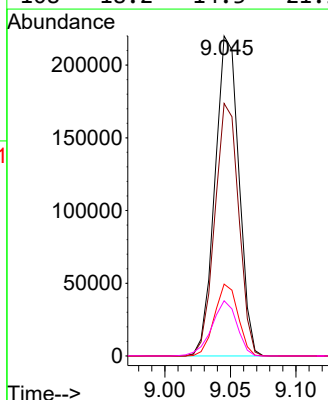
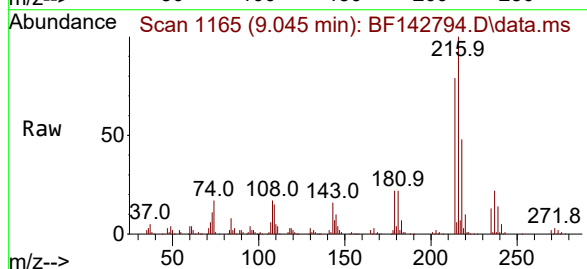
Ion Ratio Lower Upper

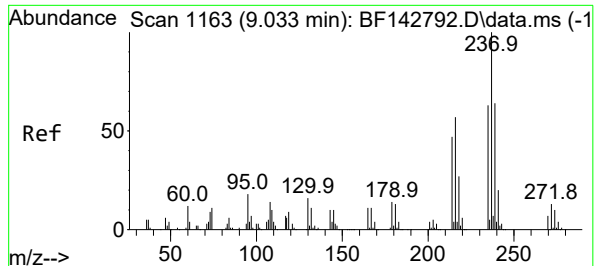
216 100

214 78.8 63.7 95.5

179 22.1 17.6 26.4

108 18.2 14.3 21.5

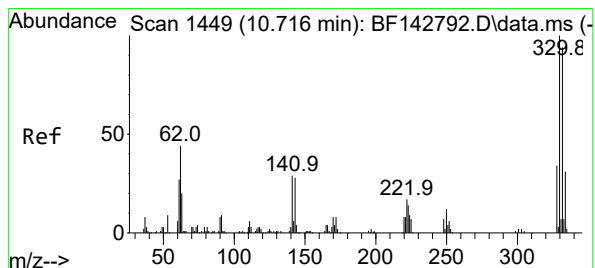
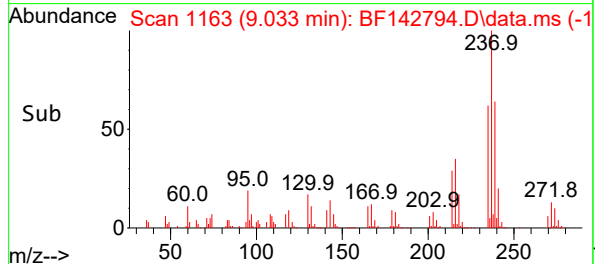
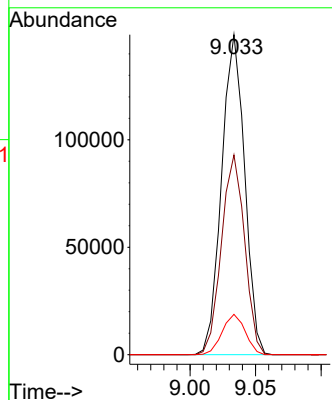
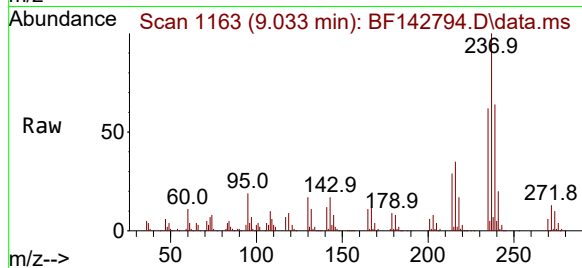




#41
Hexachlorocyclopentadiene
Concen: 61.835 ng
RT: 9.033 min Scan# 1163
Delta R.T. 0.000 min
Lab File: BF142794.D
Acq: 19 Jun 2025 20:10

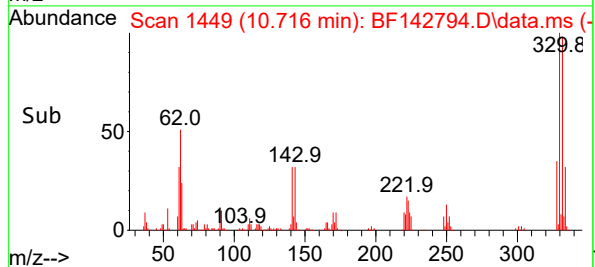
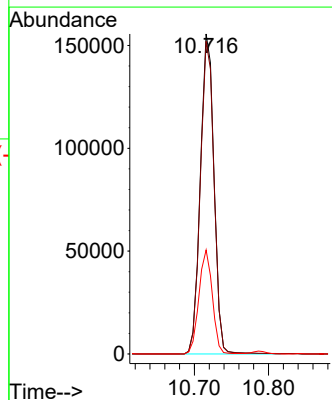
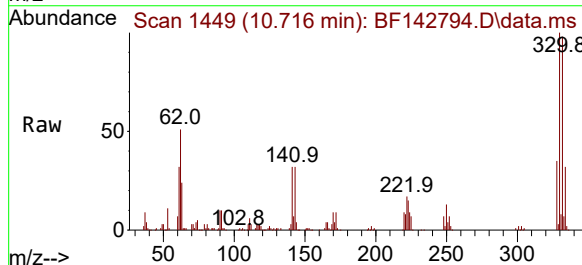
Instrument :
BNA_F
ClientSampleId :
SSTDICC060

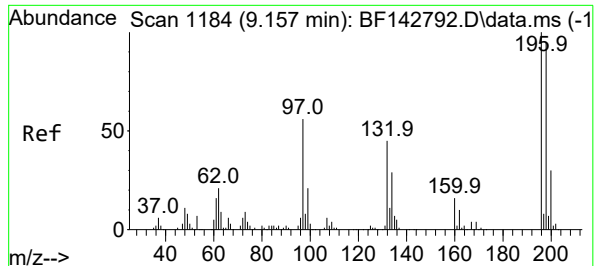
Tgt Ion:237 Resp: 181771
Ion Ratio Lower Upper
237 100
235 62.4 43.4 83.4
272 12.6 0.0 32.7



#42
2,4,6-Tribromophenol
Concen: 113.541 ng
RT: 10.716 min Scan# 1449
Delta R.T. 0.000 min
Lab File: BF142794.D
Acq: 19 Jun 2025 20:10

Tgt Ion:330 Resp: 198721
Ion Ratio Lower Upper
330 100
332 98.3 75.0 112.6
141 32.0 25.3 37.9





#43

2,4,6-Trichlorophenol

Concen: 62.392 ng

RT: 9.157 min Scan# 1184

Delta R.T. 0.000 min

Lab File: BF142794.D

Acq: 19 Jun 2025 20:10

Instrument :

BNA_F

ClientSampleId :

SSTDICC060

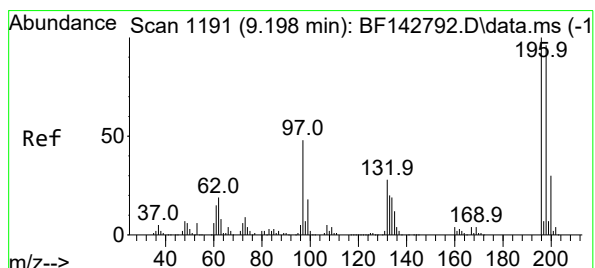
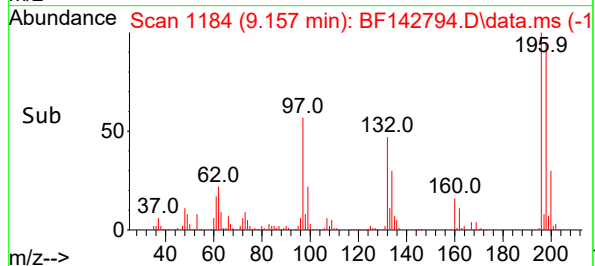
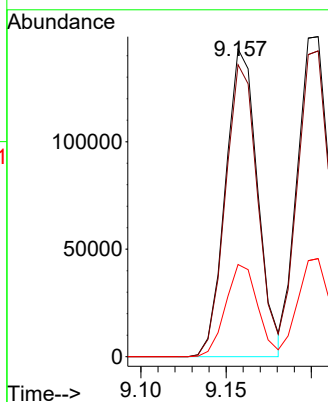
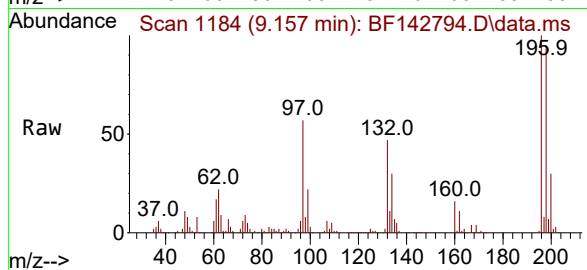
Tgt Ion:196 Resp: 187708

Ion Ratio Lower Upper

196 100

198 94.9 76.2 114.2

200 29.9 24.1 36.1



#44

2,4,5-Trichlorophenol

Concen: 60.565 ng

RT: 9.204 min Scan# 1192

Delta R.T. 0.006 min

Lab File: BF142794.D

Acq: 19 Jun 2025 20:10

Tgt Ion:196 Resp: 196769

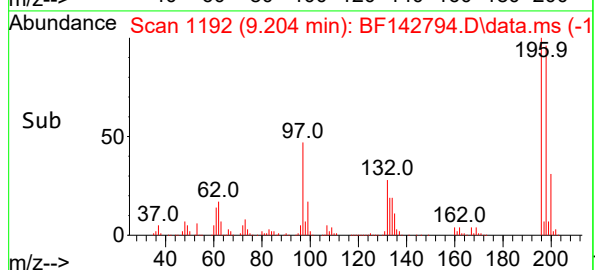
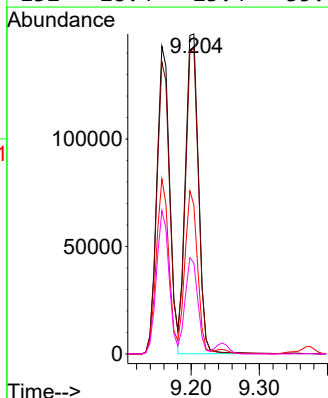
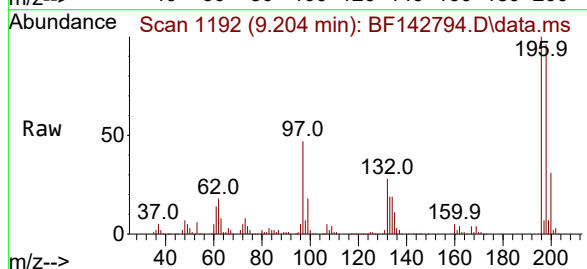
Ion Ratio Lower Upper

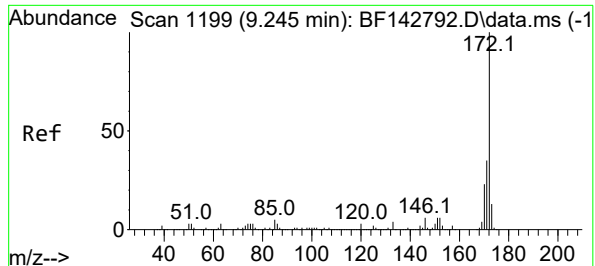
196 100

198 95.6 76.6 115.0

97 46.6 38.2 57.2

132 28.4 23.4 35.0





#45

2-Fluorobiphenyl

Concen: 112.392 ng

RT: 9.245 min Scan# 1199

Delta R.T. 0.000 min

Lab File: BF142794.D

Acq: 19 Jun 2025 20:10

Instrument :

BNA_F

ClientSampleId :

SSTDICC060

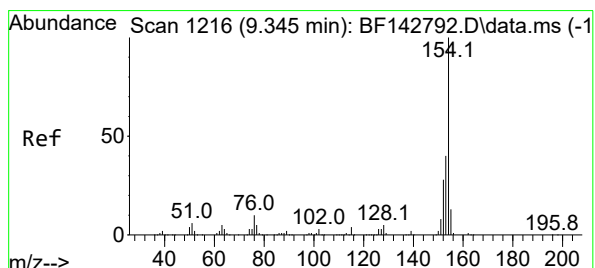
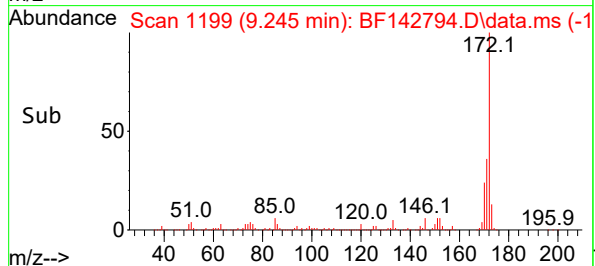
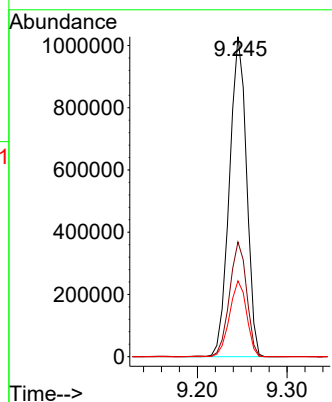
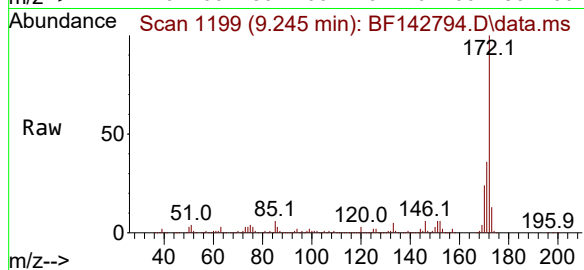
Tgt Ion:172 Resp: 1360586

Ion Ratio Lower Upper

172 100

171 35.9 28.2 42.4

170 23.7 18.5 27.7



#46

1,1'-Biphenyl

Concen: 58.937 ng

RT: 9.345 min Scan# 1216

Delta R.T. 0.000 min

Lab File: BF142794.D

Acq: 19 Jun 2025 20:10

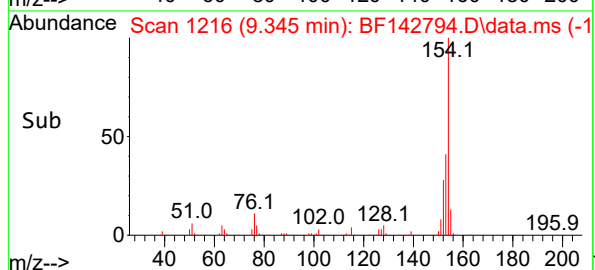
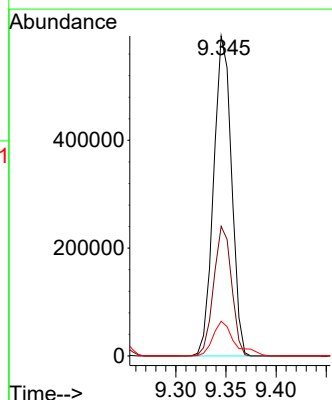
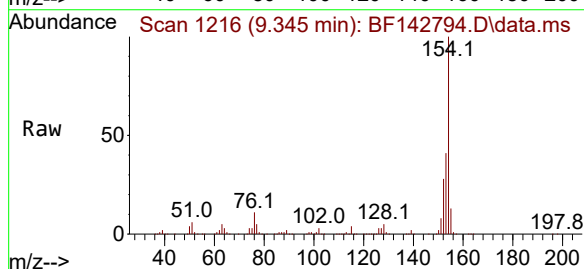
Tgt Ion:154 Resp: 736970

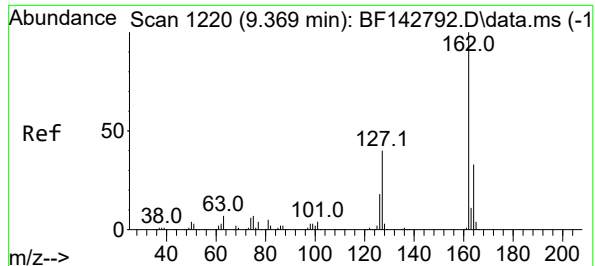
Ion Ratio Lower Upper

154 100

153 40.5 20.3 60.3

76 10.9 0.0 30.3





#47

2-Chloronaphthalene

Concen: 59.966 ng

RT: 9.375 min Scan# 11

Delta R.T. 0.006 min

Lab File: BF142794.D

Acq: 19 Jun 2025 20:10

Instrument :

BNA_F

ClientSampleId :

SSTDICC060

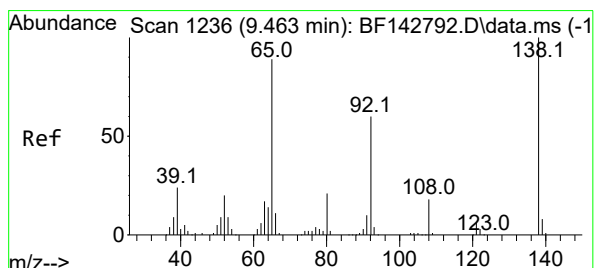
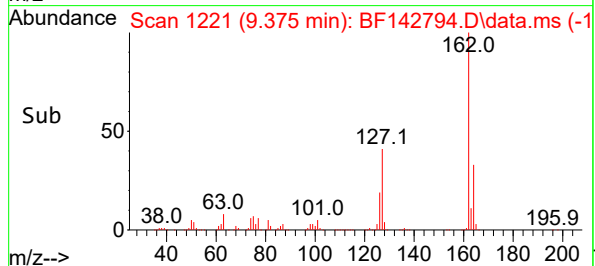
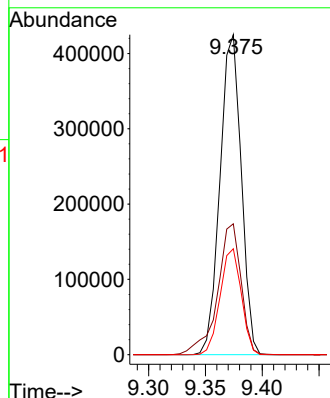
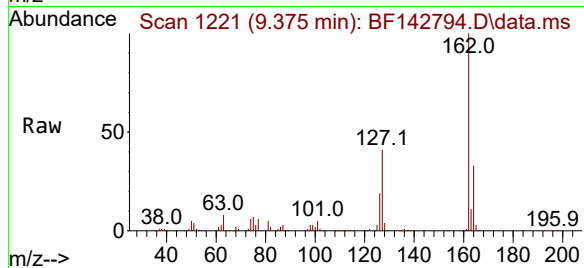
Tgt Ion:162 Resp: 553304

Ion Ratio Lower Upper

162 100

127 40.9 32.2 48.2

164 33.1 26.1 39.1



#48

2-Nitroaniline

Concen: 62.067 ng

RT: 9.469 min Scan# 1237

Delta R.T. 0.006 min

Lab File: BF142794.D

Acq: 19 Jun 2025 20:10

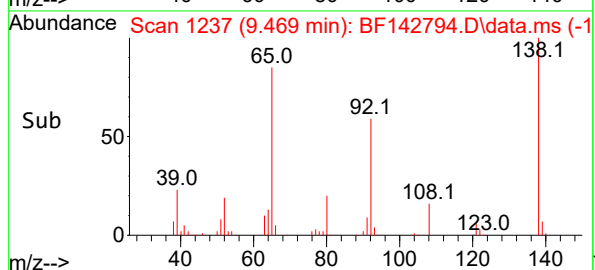
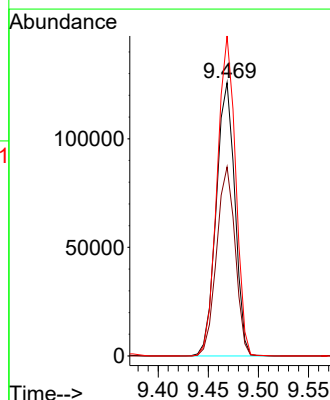
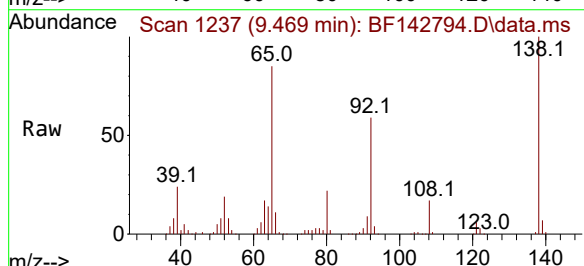
Tgt Ion: 65 Resp: 162701

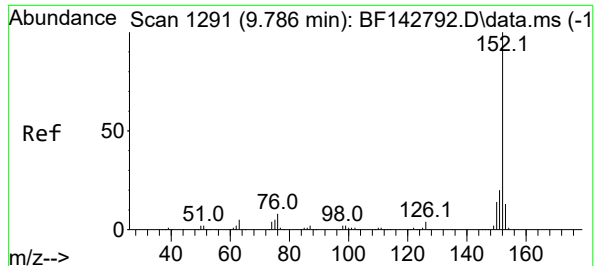
Ion Ratio Lower Upper

65 100

92 69.2 53.8 80.6

138 117.1 89.6 134.4





#49

Acenaphthylene

Concen: 58.892 ng

RT: 9.786 min Scan# 1291

Delta R.T. 0.000 min

Lab File: BF142794.D

Acq: 19 Jun 2025 20:10

Instrument :

BNA_F

ClientSampleId :

SSTDICC060

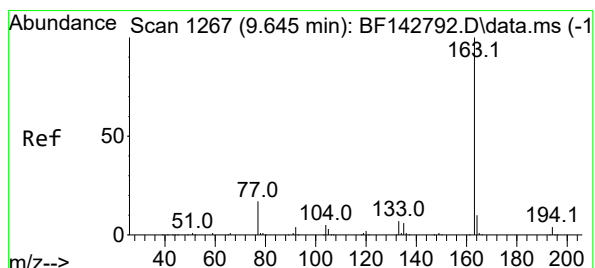
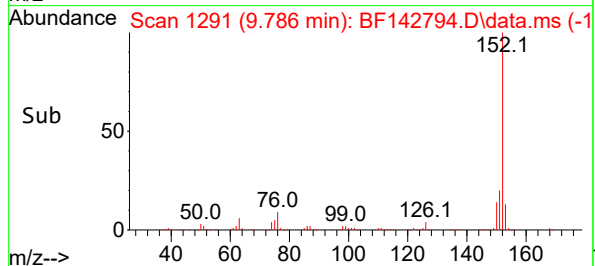
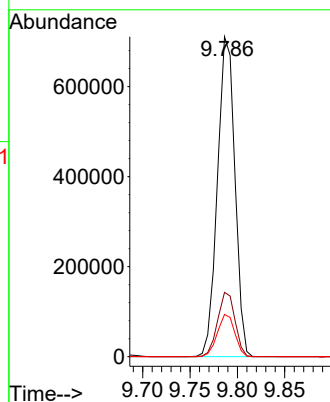
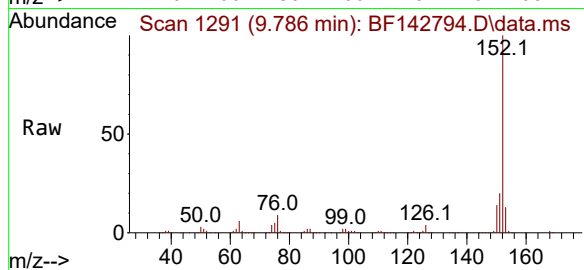
Tgt Ion:152 Resp: 913540

Ion Ratio Lower Upper

152 100

151 20.1 16.1 24.1

153 13.2 10.4 15.6



#50

Dimethylphthalate

Concen: 57.767 ng

RT: 9.651 min Scan# 1268

Delta R.T. 0.006 min

Lab File: BF142794.D

Acq: 19 Jun 2025 20:10

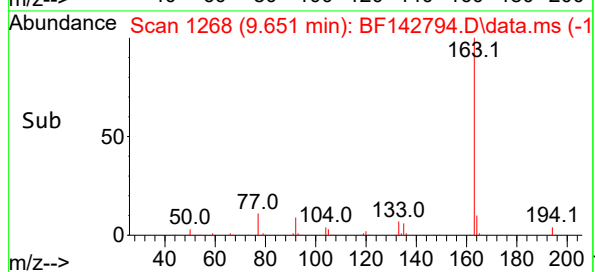
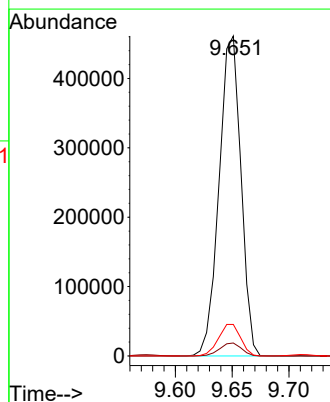
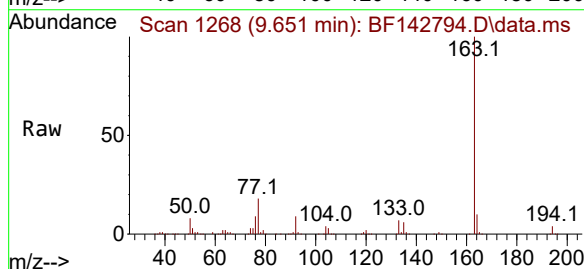
Tgt Ion:163 Resp: 617097

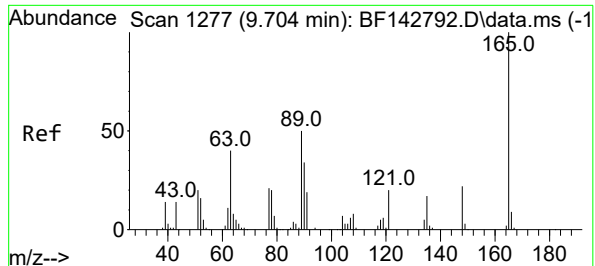
Ion Ratio Lower Upper

163 100

194 4.1 3.3 4.9

164 9.9 8.0 12.0

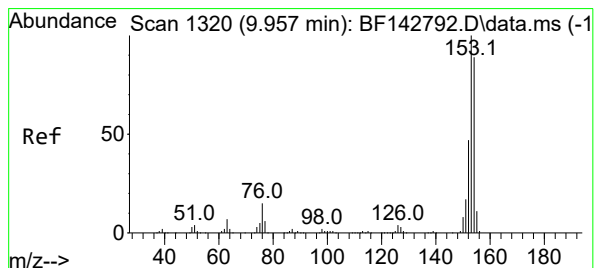
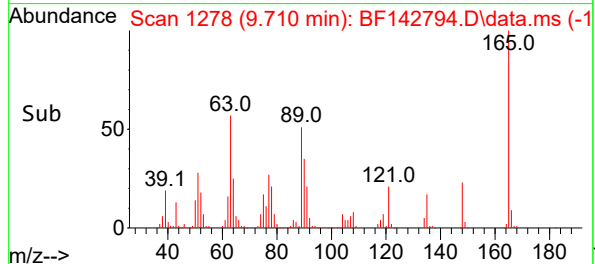
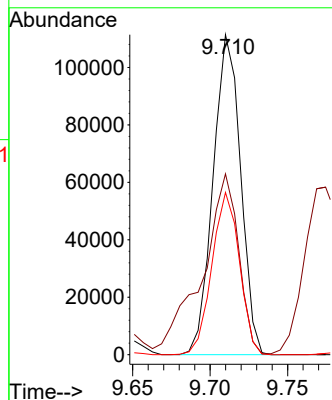
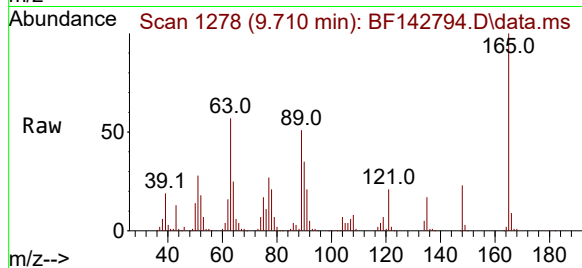




#51
2,6-Dinitrotoluene
Concen: 59.299 ng
RT: 9.710 min Scan# 1278
Delta R.T. 0.006 min
Lab File: BF142794.D
Acq: 19 Jun 2025 20:10

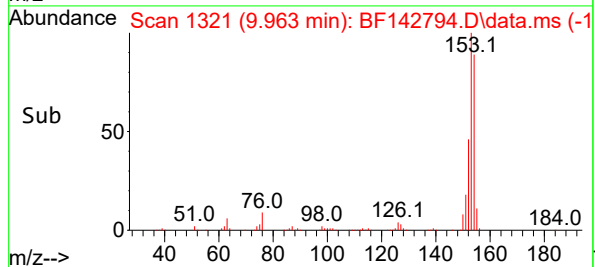
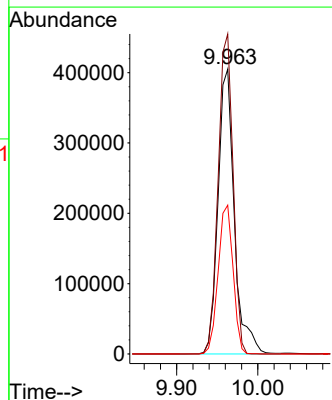
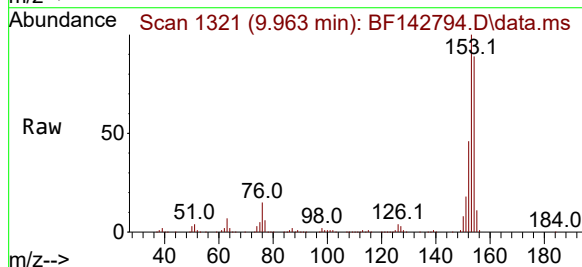
Instrument :
BNA_F
ClientSampleId :
SSTDICC060

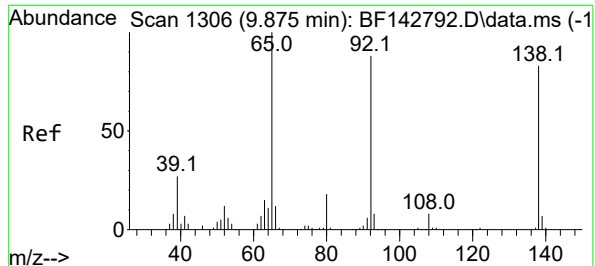
Tgt Ion:165 Resp: 137318
Ion Ratio Lower Upper
165 100
63 56.5 44.2 66.4
89 50.7 39.8 59.8



#52
Acenaphthene
Concen: 58.980 ng
RT: 9.963 min Scan# 1321
Delta R.T. 0.006 min
Lab File: BF142794.D
Acq: 19 Jun 2025 20:10

Tgt Ion:154 Resp: 566138
Ion Ratio Lower Upper
154 100
153 112.4 90.0 135.0
152 52.2 41.9 62.9





#53

3-Nitroaniline

Concen: 61.386 ng

RT: 9.880 min Scan# 11

Delta R.T. 0.006 min

Lab File: BF142794.D

Acq: 19 Jun 2025 20:10

Instrument :

BNA_F

ClientSampleId :

SSTDICC060

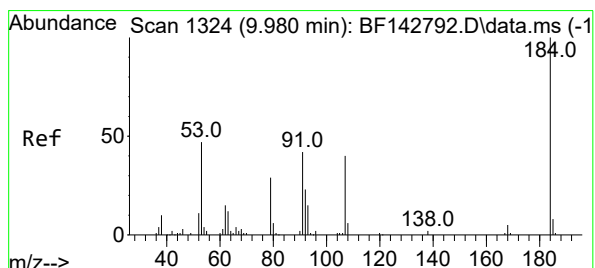
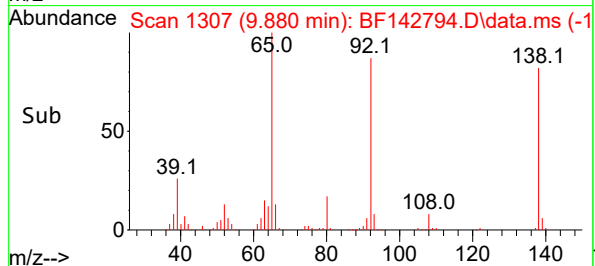
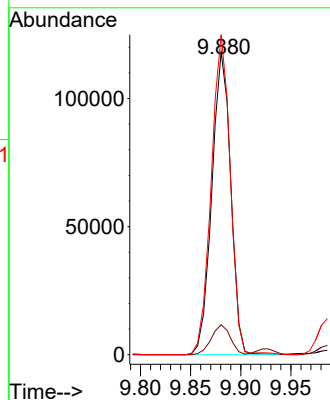
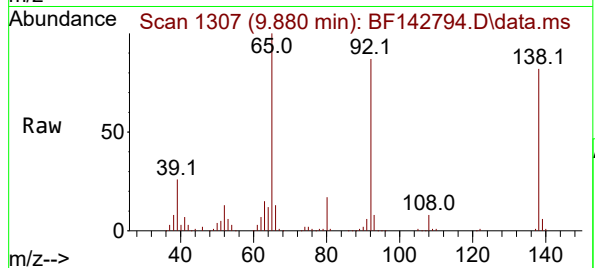
Tgt Ion:138 Resp: 154402

Ion Ratio Lower Upper

138 100

108 9.9 8.1 12.1

92 105.7 85.1 127.7



#54

2,4-Dinitrophenol

Concen: 62.843 ng

RT: 9.986 min Scan# 1325

Delta R.T. 0.006 min

Lab File: BF142794.D

Acq: 19 Jun 2025 20:10

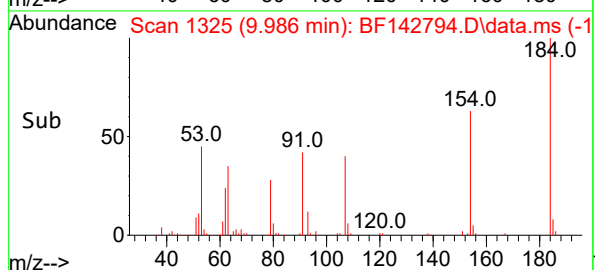
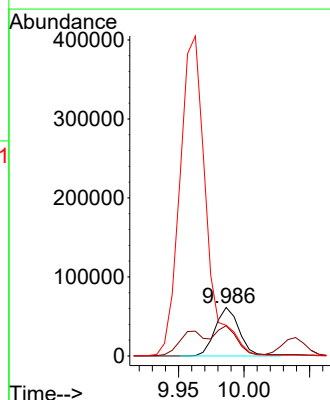
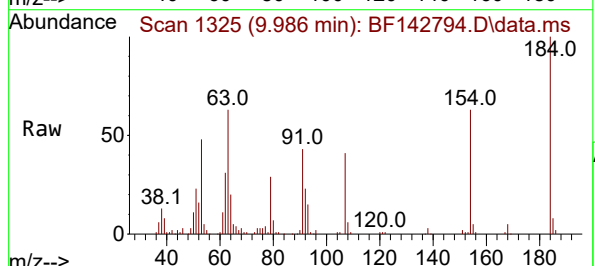
Tgt Ion:184 Resp: 78750

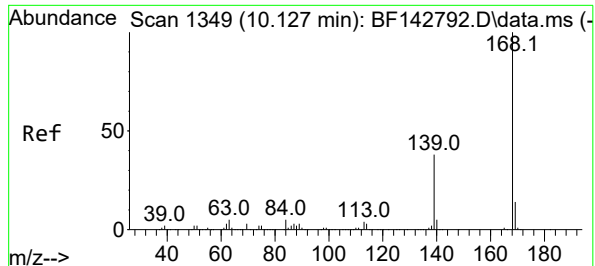
Ion Ratio Lower Upper

184 100

63 62.6 50.6 75.8

154 63.4 51.8 77.8





#55

Dibenzenofuran

Concen: 58.567 ng

RT: 10.133 min Scan# 11

Delta R.T. 0.006 min

Lab File: BF142794.D

Acq: 19 Jun 2025 20:10

Instrument :

BNA_F

ClientSampleId :

SSTDICC060

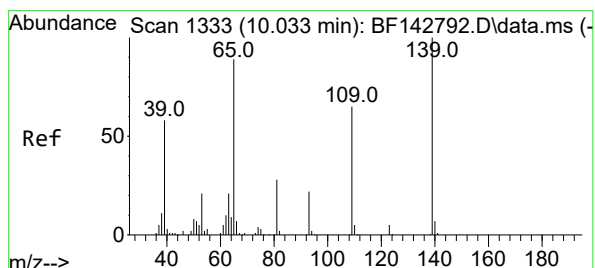
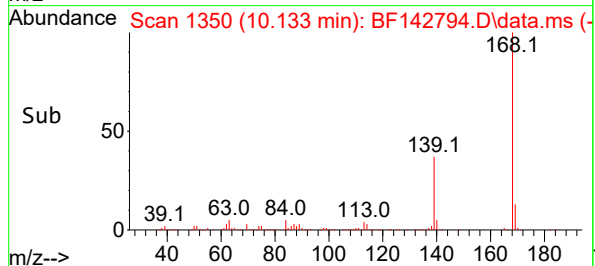
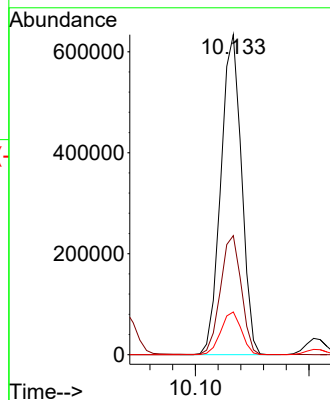
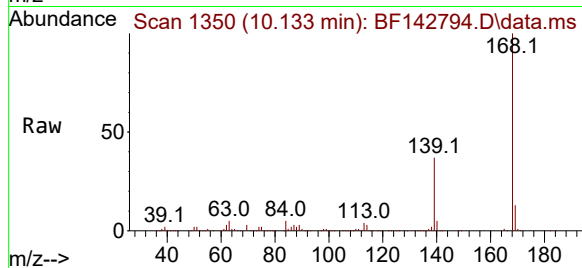
Tgt Ion:168 Resp: 802087

Ion Ratio Lower Upper

168 100

139 37.2 30.2 45.4

169 13.3 10.8 16.2



#56

4-Nitrophenol

Concen: 64.811 ng

RT: 10.039 min Scan# 1334

Delta R.T. 0.006 min

Lab File: BF142794.D

Acq: 19 Jun 2025 20:10

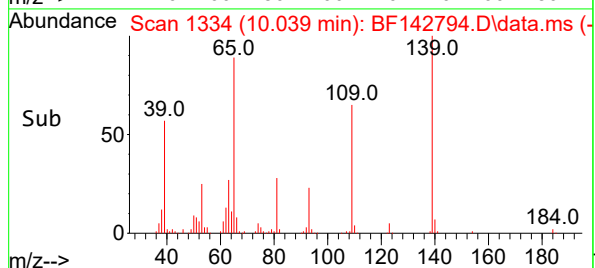
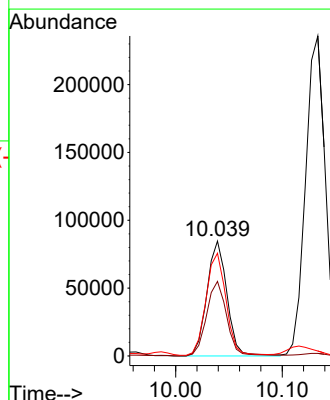
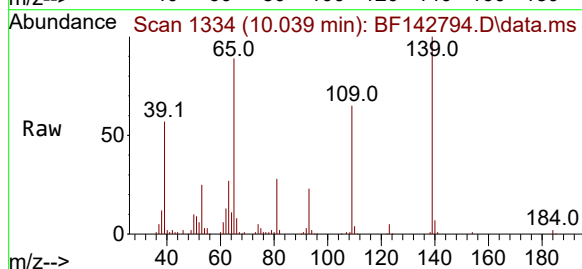
Tgt Ion:139 Resp: 110658

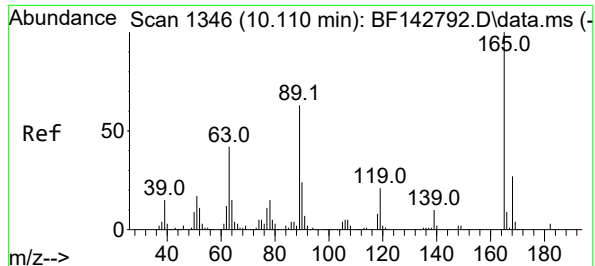
Ion Ratio Lower Upper

139 100

109 64.8 44.7 84.7

65 89.3 69.8 109.8

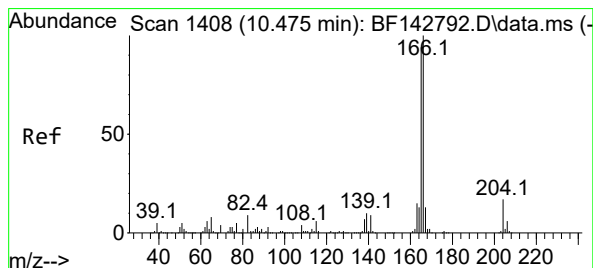
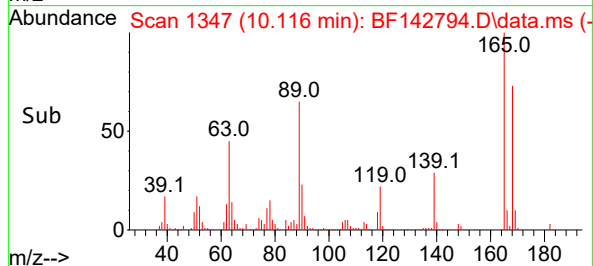
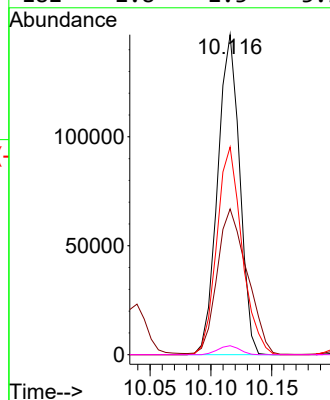
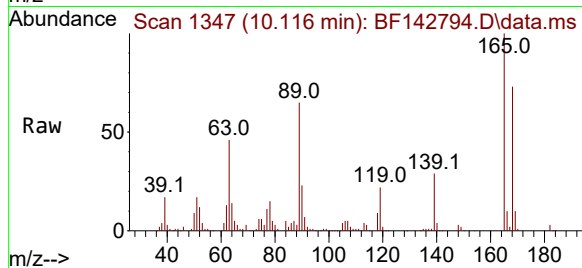




#57
2,4-Dinitrotoluene
Concen: 60.367 ng
RT: 10.116 min Scan# 1346
Delta R.T. 0.006 min
Lab File: BF142794.D
Acq: 19 Jun 2025 20:10

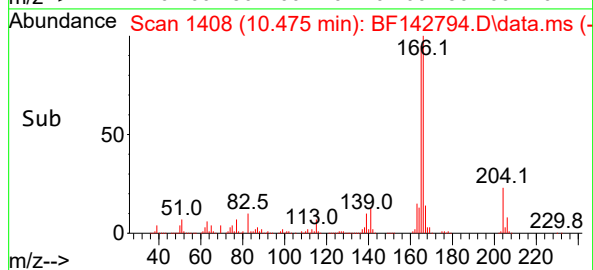
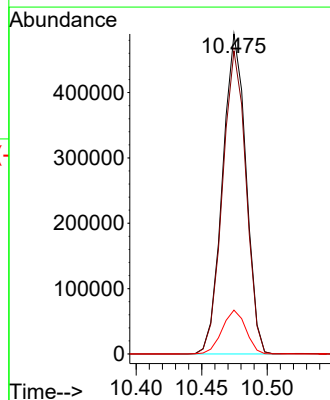
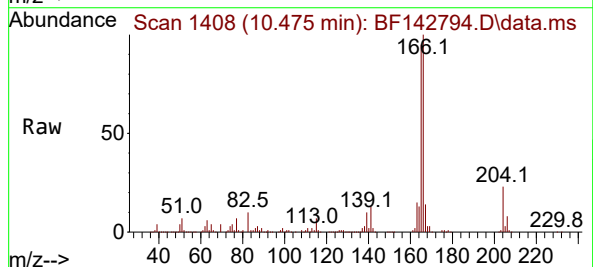
Instrument :
BNA_F
ClientSampleId :
SSTDICC060

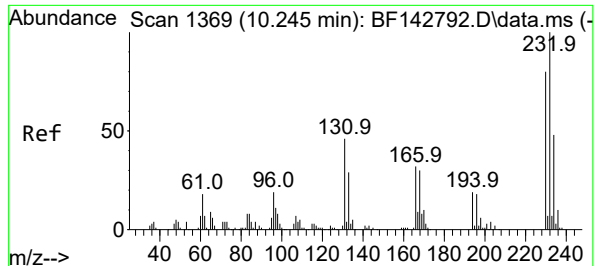
Tgt Ion:165 Resp: 184840
Ion Ratio Lower Upper
165 100
63 45.6 33.9 50.9
89 64.9 50.6 75.8
182 2.8 2.3 3.5



#58
Fluorene
Concen: 56.322 ng
RT: 10.475 min Scan# 1408
Delta R.T. 0.000 min
Lab File: BF142794.D
Acq: 19 Jun 2025 20:10

Tgt Ion:166 Resp: 608786
Ion Ratio Lower Upper
166 100
165 94.7 75.2 112.8
167 13.7 10.6 15.8

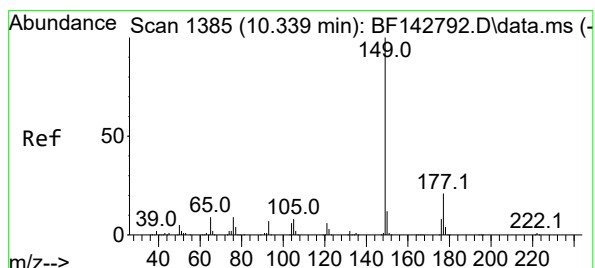
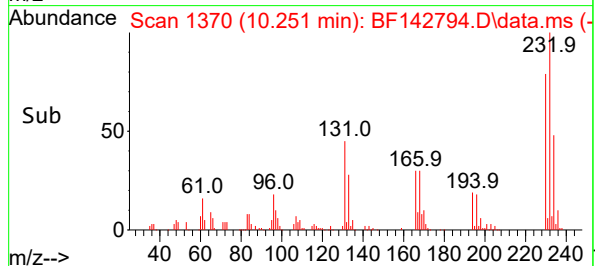
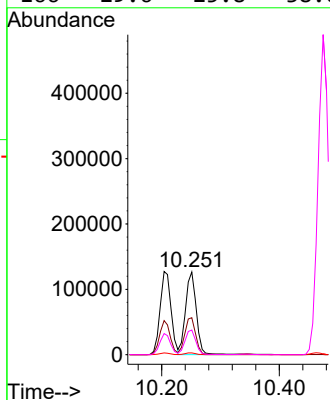
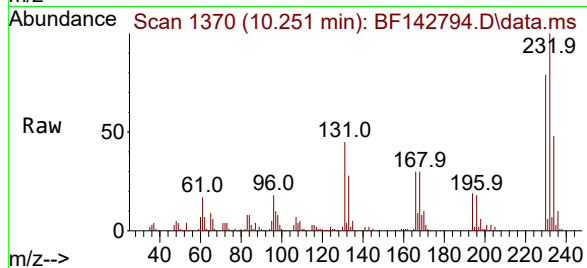




#59
2,3,4,6-Tetrachlorophenol
Concen: 58.739 ng
RT: 10.251 min Scan# 1370
Delta R.T. 0.006 min
Lab File: BF142794.D
Acq: 19 Jun 2025 20:10

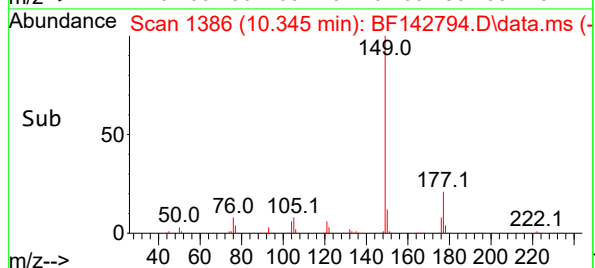
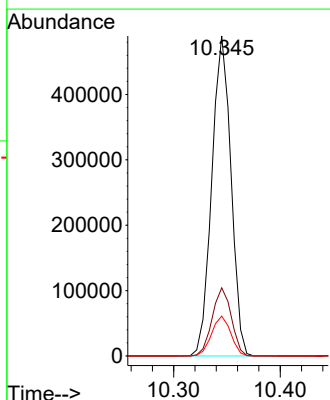
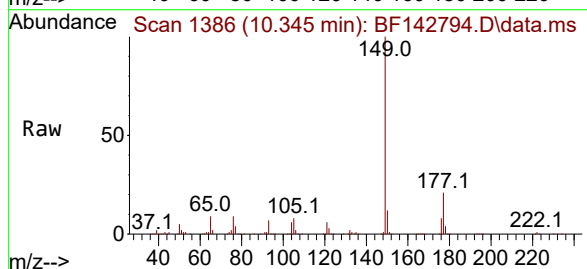
Instrument :
BNA_F
ClientSampleId :
SSTDICC060

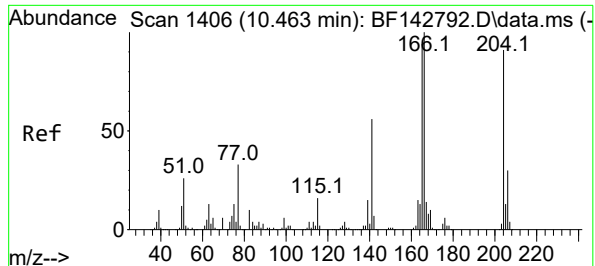
Tgt Ion:232 Resp: 159997
Ion Ratio Lower Upper
232 100
131 45.6 37.6 56.4
130 2.2 1.7 2.5
166 29.6 25.8 38.6



#60
Diethylphthalate
Concen: 57.662 ng
RT: 10.345 min Scan# 1386
Delta R.T. 0.006 min
Lab File: BF142794.D
Acq: 19 Jun 2025 20:10

Tgt Ion:149 Resp: 611873
Ion Ratio Lower Upper
149 100
177 21.3 17.0 25.6
150 12.5 9.8 14.6

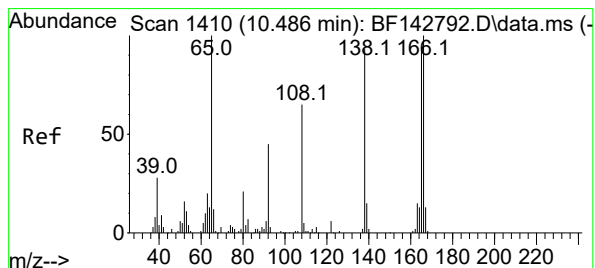
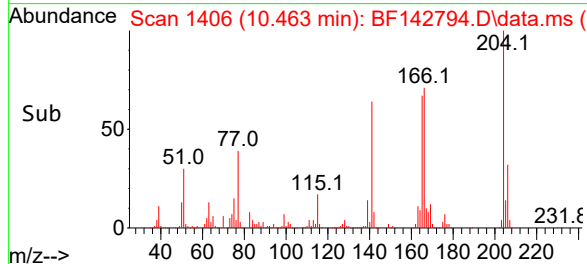
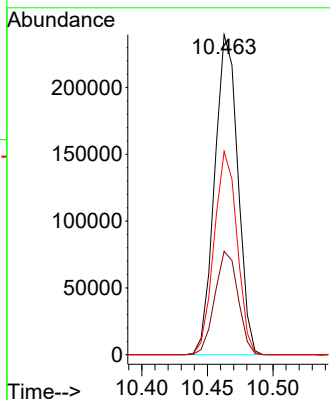
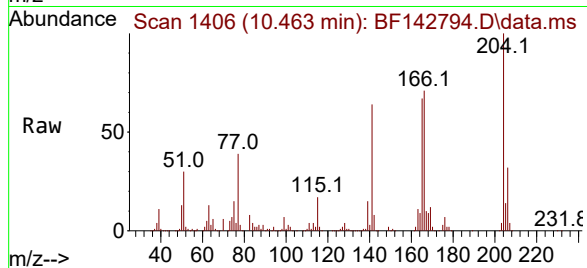




#61
4-Chlorophenyl-phenylether
Concen: 56.089 ng
RT: 10.463 min Scan# 1406
Delta R.T. 0.000 min
Lab File: BF142794.D
Acq: 19 Jun 2025 20:10

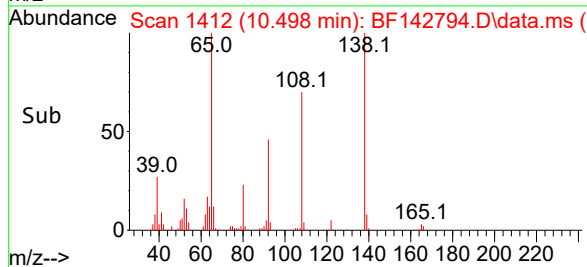
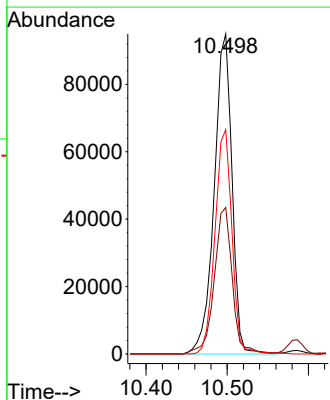
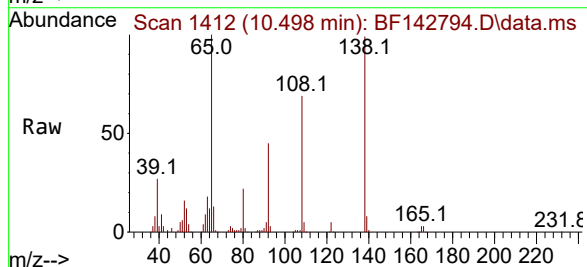
Instrument :
BNA_F
ClientSampleId :
SSTDICC060

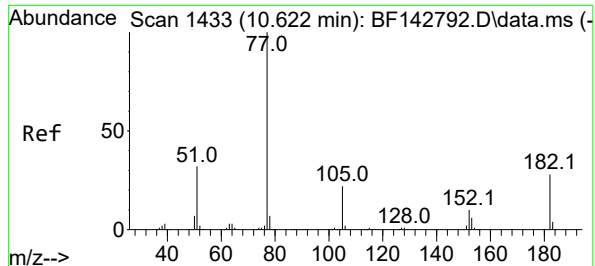
Tgt Ion:204 Resp: 294444
Ion Ratio Lower Upper
204 100
206 32.3 26.3 39.5
141 63.5 49.1 73.7



#62
4-Nitroaniline
Concen: 64.135 ng
RT: 10.498 min Scan# 1412
Delta R.T. 0.012 min
Lab File: BF142794.D
Acq: 19 Jun 2025 20:10

Tgt Ion:138 Resp: 144821
Ion Ratio Lower Upper
138 100
92 45.7 28.4 68.4
108 70.1 50.2 90.2

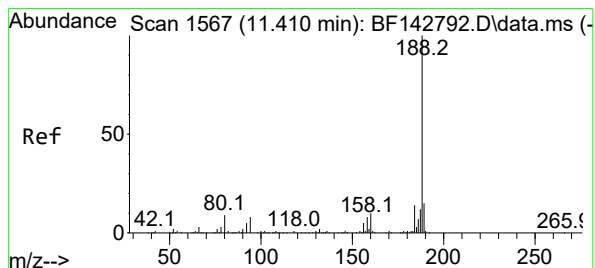
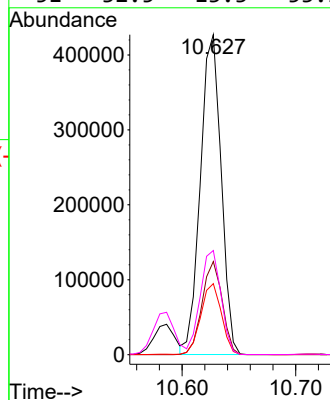
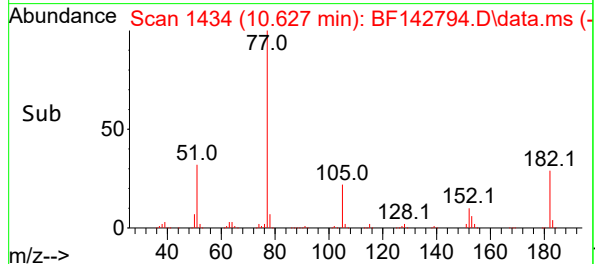
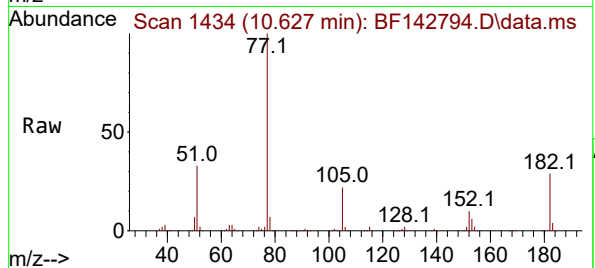




#63
Azobenzene
Concen: 58.460 ng
RT: 10.627 min Scan# 1433
Delta R.T. 0.006 min
Lab File: BF142794.D
Acq: 19 Jun 2025 20:10

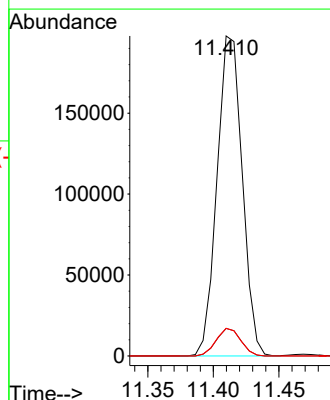
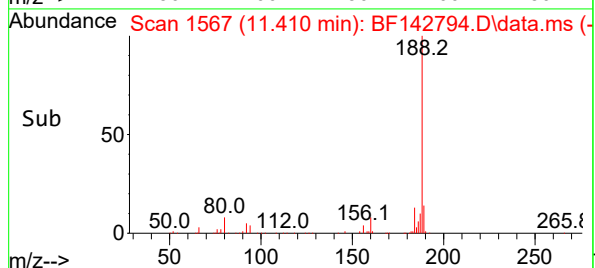
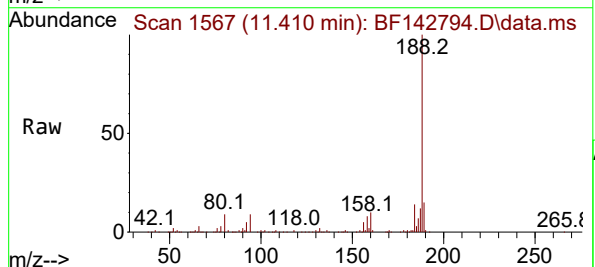
Instrument :
BNA_F
ClientSampleId :
SSTDICC060

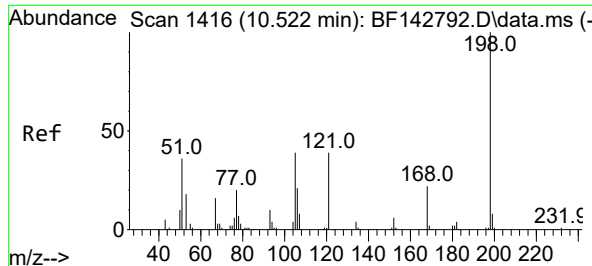
Tgt Ion: 77 Resp: 542118
Ion Ratio Lower Upper
77 100
182 29.1 7.7 47.7
105 22.2 1.9 41.9
51 32.5 13.3 53.3



#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.410 min Scan# 1567
Delta R.T. 0.000 min
Lab File: BF142794.D
Acq: 19 Jun 2025 20:10

Tgt Ion: 188 Resp: 264336
Ion Ratio Lower Upper
188 100
94 8.6 6.7 10.1
80 8.6 6.9 10.3





#65

4,6-Dinitro-2-methylphenol

Concen: 62.814 ng

RT: 10.527 min Scan# 1416

Delta R.T. 0.006 min

Lab File: BF142794.D

Acq: 19 Jun 2025 20:10

Instrument :

BNA_F

ClientSampleId :

SSTDIC060

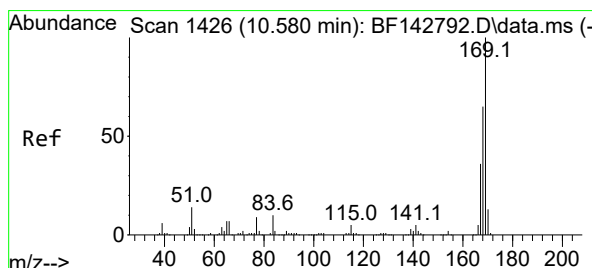
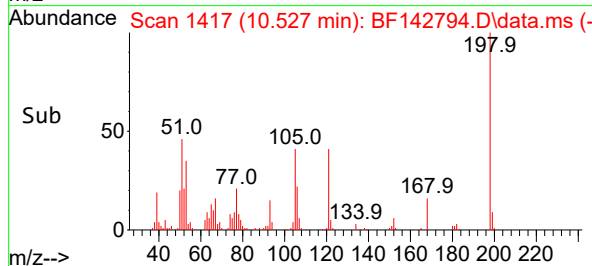
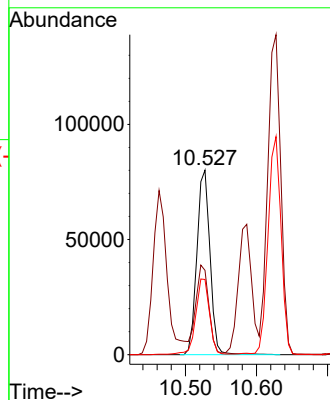
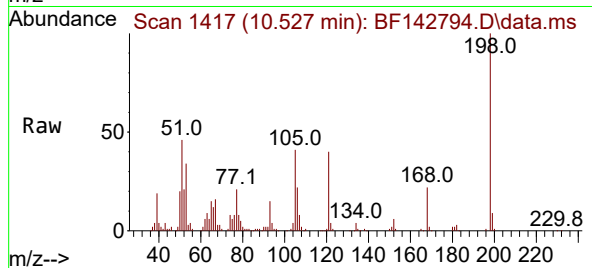
Tgt Ion:198 Resp: 103180

Ion Ratio Lower Upper

198 100

51 45.7 25.4 65.4

105 40.7 20.4 60.4



#66

n-Nitrosodiphenylamine

Concen: 58.540 ng

RT: 10.586 min Scan# 1427

Delta R.T. 0.006 min

Lab File: BF142794.D

Acq: 19 Jun 2025 20:10

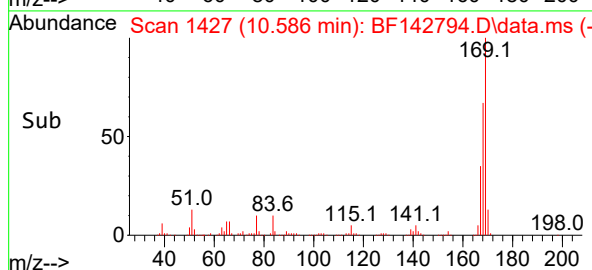
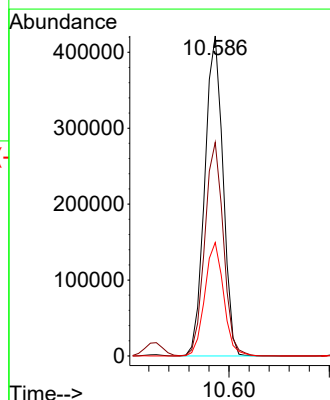
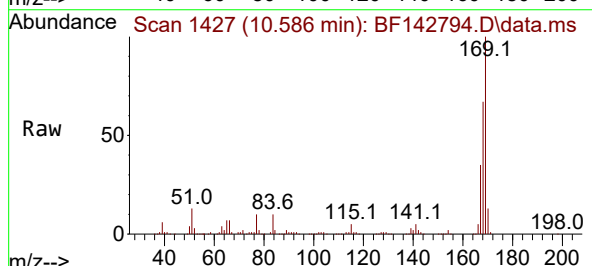
Tgt Ion:169 Resp: 531713

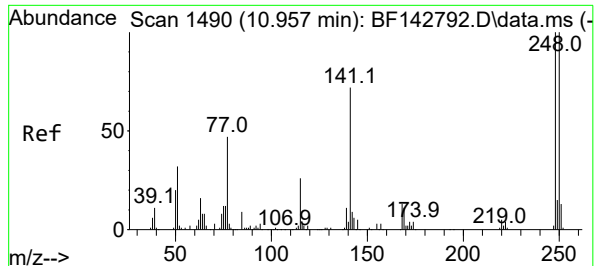
Ion Ratio Lower Upper

169 100

168 66.7 51.9 77.9

167 35.4 28.5 42.7

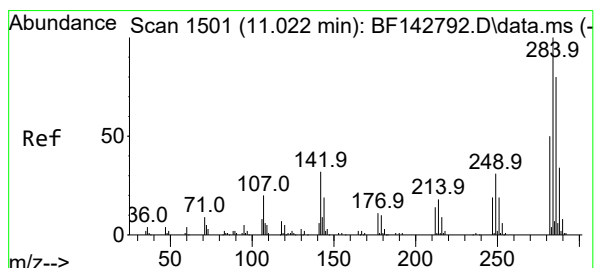
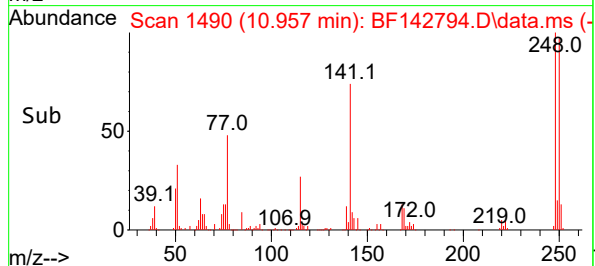
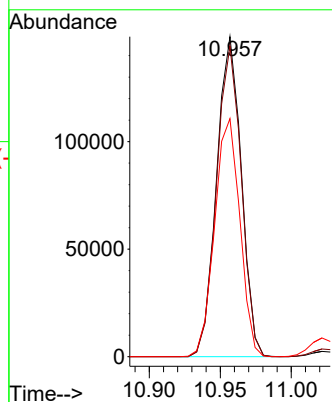
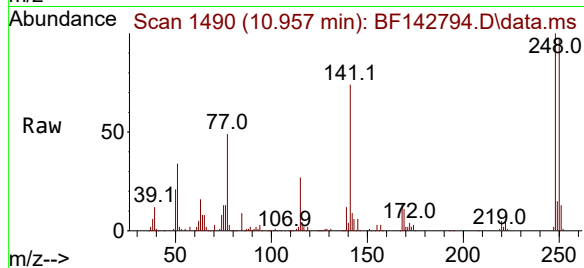




#67
4-Bromophenyl-phenylether
Concen: 58.311 ng
RT: 10.957 min Scan# 1490
Delta R.T. 0.000 min
Lab File: BF142794.D
Acq: 19 Jun 2025 20:10

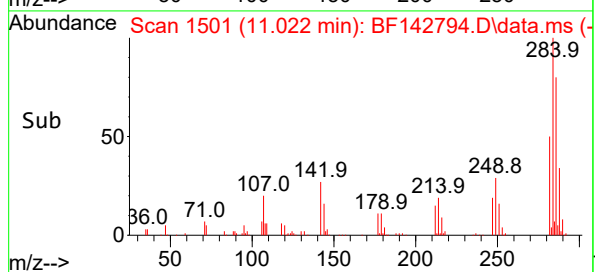
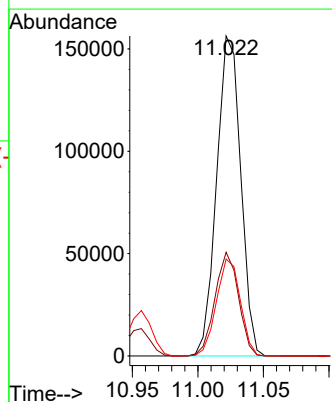
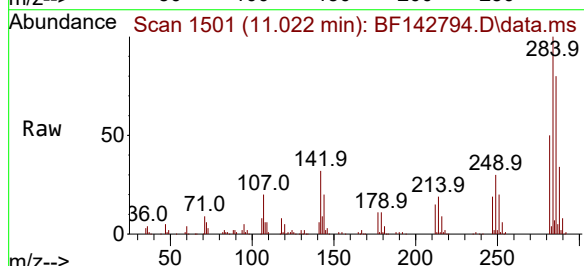
Instrument :
BNA_F
ClientSampleId :
SSTDICC060

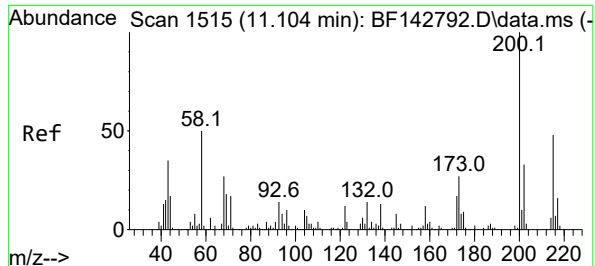
Tgt Ion:248 Resp: 180519
Ion Ratio Lower Upper
248 100
250 97.1 79.8 119.8
141 74.4 57.8 86.6



#68
Hexachlorobenzene
Concen: 58.041 ng
RT: 11.022 min Scan# 1501
Delta R.T. 0.000 min
Lab File: BF142794.D
Acq: 19 Jun 2025 20:10

Tgt Ion:284 Resp: 199479
Ion Ratio Lower Upper
284 100
142 32.4 25.5 38.3
249 30.3 24.9 37.3





#69

Atrazine

Concen: 60.075 ng

RT: 11.110 min Scan# 1516

Delta R.T. 0.006 min

Lab File: BF142794.D

Acq: 19 Jun 2025 20:10

Instrument :

BNA_F

ClientSampleId :

SSTDICC060

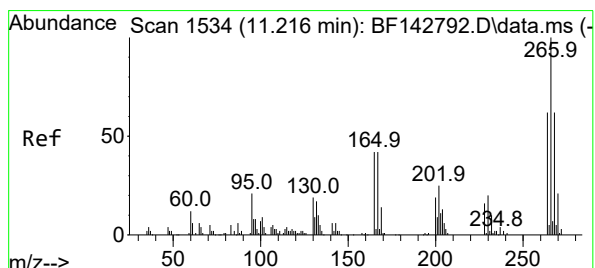
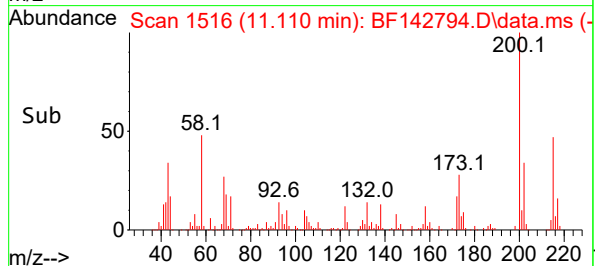
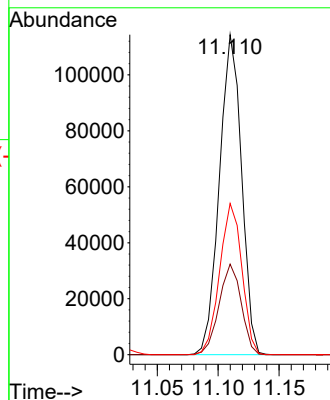
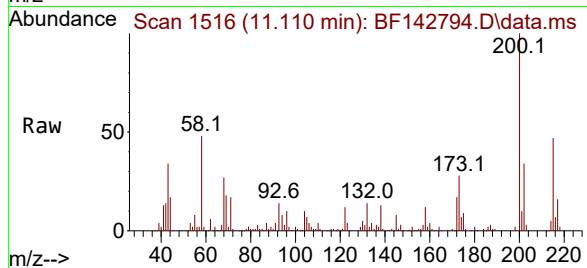
Tgt Ion:200 Resp: 144880

Ion Ratio Lower Upper

200 100

173 28.3 7.4 47.4

215 47.2 28.4 68.4



#70

Pentachlorophenol

Concen: 60.023 ng

RT: 11.216 min Scan# 1534

Delta R.T. 0.000 min

Lab File: BF142794.D

Acq: 19 Jun 2025 20:10

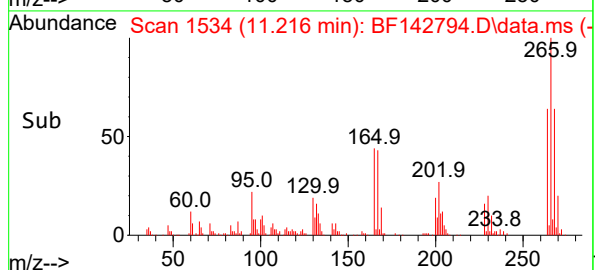
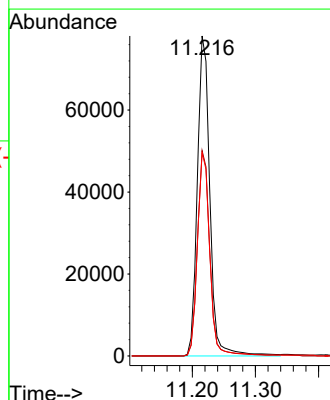
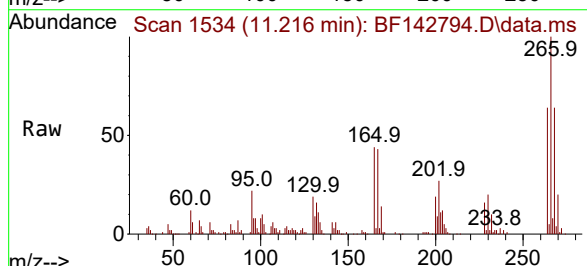
Tgt Ion:266 Resp: 107141

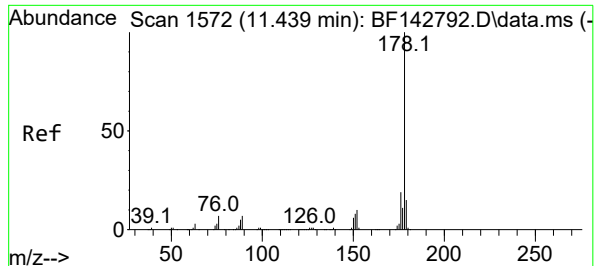
Ion Ratio Lower Upper

266 100

268 64.2 49.8 74.8

264 63.5 49.9 74.9

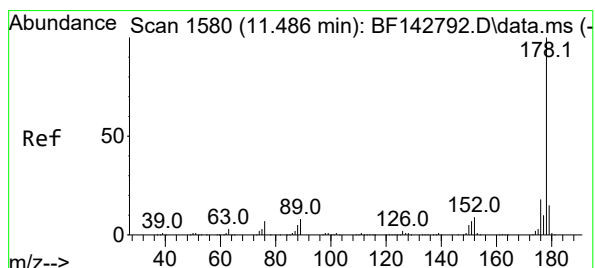
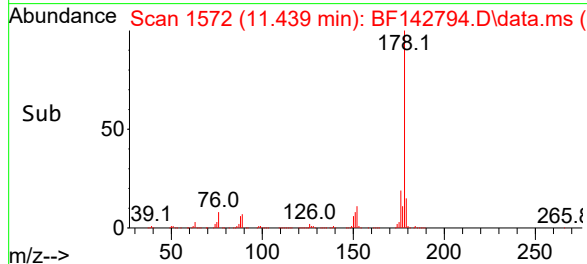
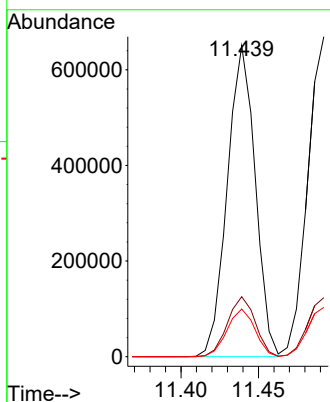
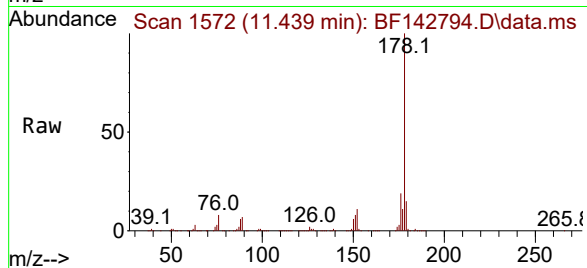




#71
Phenanthrene
Concen: 57.611 ng
RT: 11.439 min Scan# 1572
Delta R.T. 0.000 min
Lab File: BF142794.D
Acq: 19 Jun 2025 20:10

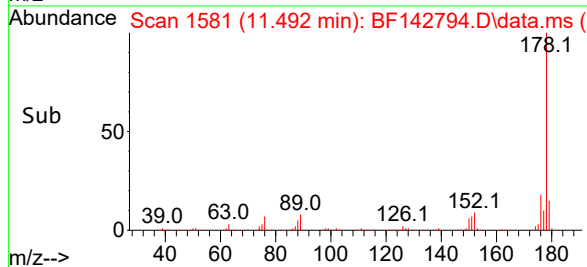
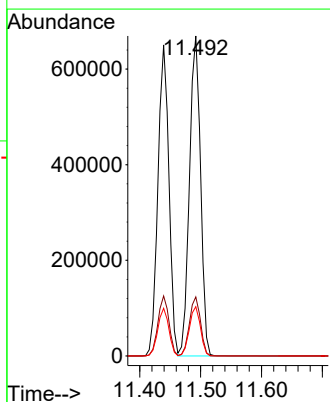
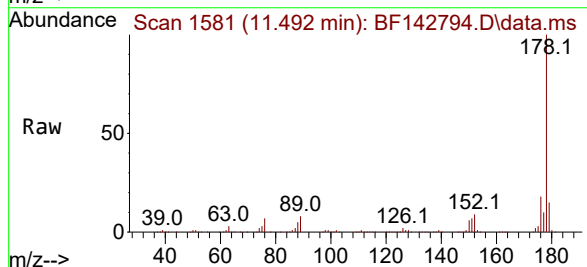
Instrument :
BNA_F
ClientSampleId :
SSTDICC060

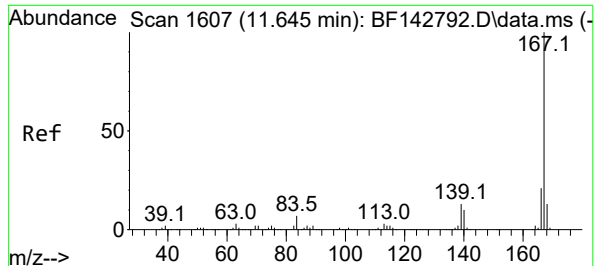
Tgt Ion:178 Resp: 815330
Ion Ratio Lower Upper
178 100
176 19.3 15.1 22.7
179 15.4 12.0 18.0



#72
Anthracene
Concen: 57.653 ng
RT: 11.492 min Scan# 1581
Delta R.T. 0.006 min
Lab File: BF142794.D
Acq: 19 Jun 2025 20:10

Tgt Ion:178 Resp: 844549
Ion Ratio Lower Upper
178 100
176 18.5 14.6 21.8
179 15.4 12.4 18.6

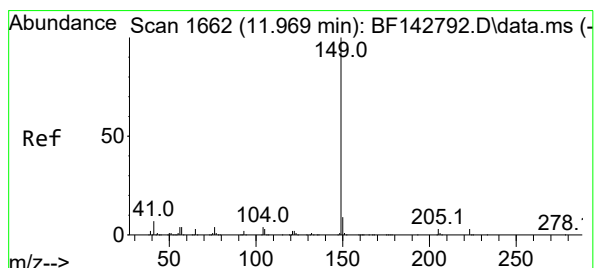
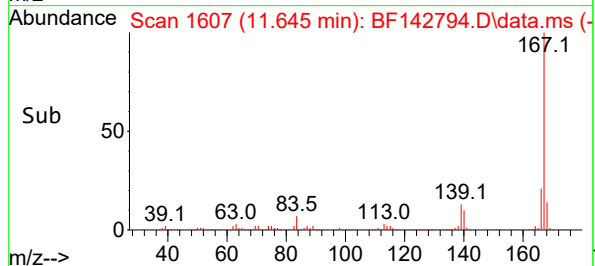
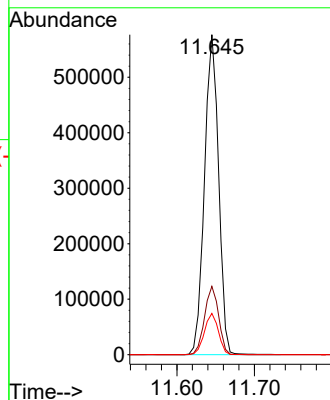
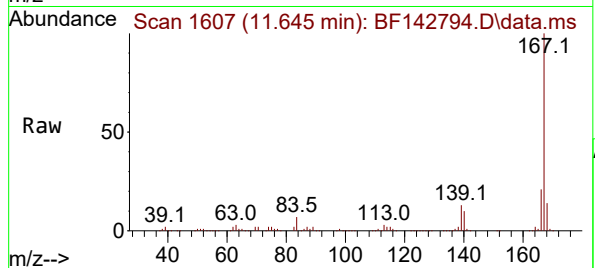




#73
Carbazole
Concen: 59.457 ng
RT: 11.645 min Scan# 1607
Delta R.T. 0.000 min
Lab File: BF142794.D
Acq: 19 Jun 2025 20:10

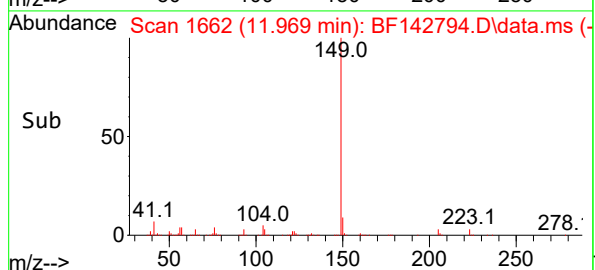
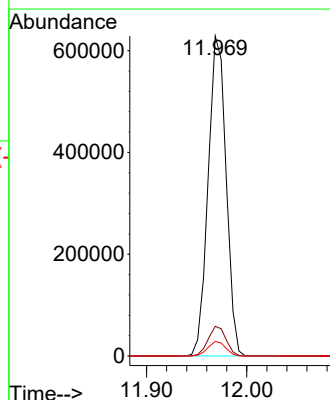
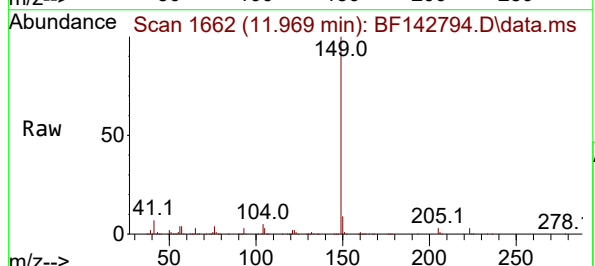
Instrument :
BNA_F
ClientSampleId :
SSTDICC060

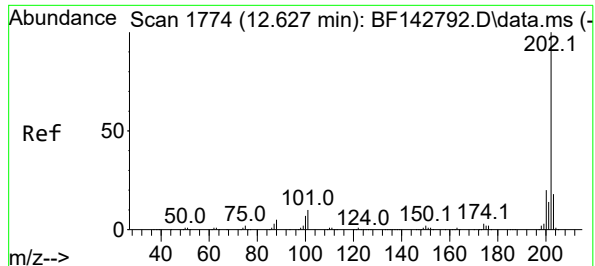
Tgt Ion:167 Resp: 729372
Ion Ratio Lower Upper
167 100
166 21.4 17.0 25.4
139 12.9 10.2 15.2



#74
Di-n-butylphthalate
Concen: 57.759 ng
RT: 11.969 min Scan# 1662
Delta R.T. 0.000 min
Lab File: BF142794.D
Acq: 19 Jun 2025 20:10

Tgt Ion:149 Resp: 784514
Ion Ratio Lower Upper
149 100
150 9.3 7.4 11.0
104 4.6 3.5 5.3

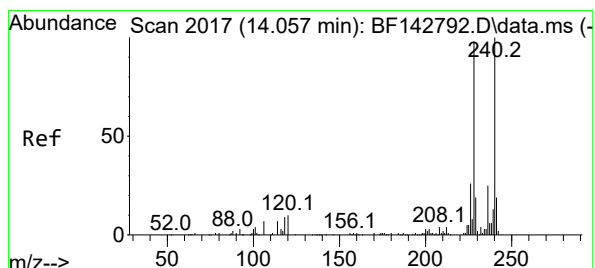
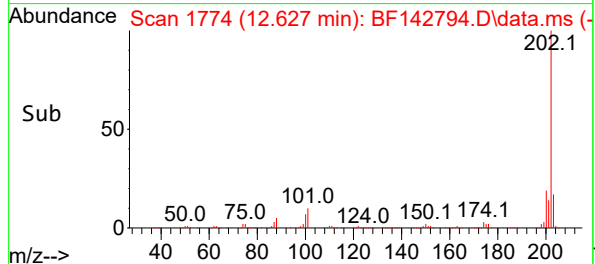
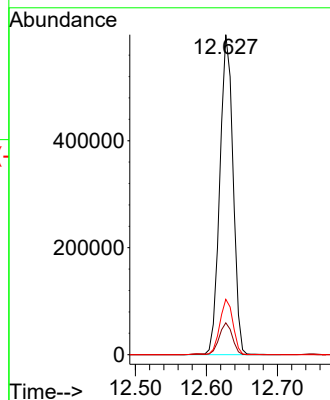
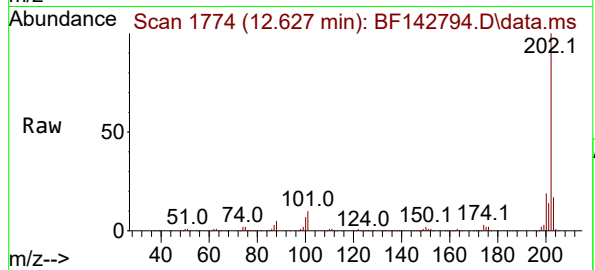




#75
Fluoranthene
Concen: 57.300 ng
RT: 12.627 min Scan# 1774
Delta R.T. 0.000 min
Lab File: BF142794.D
Acq: 19 Jun 2025 20:10

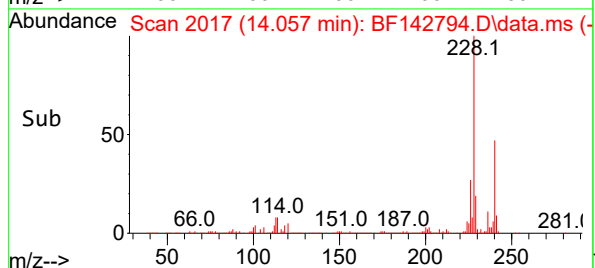
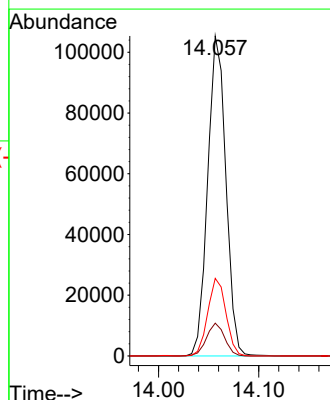
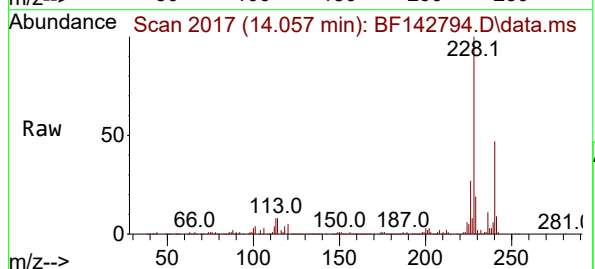
Instrument :
BNA_F
ClientSampleId :
SSTDICC060

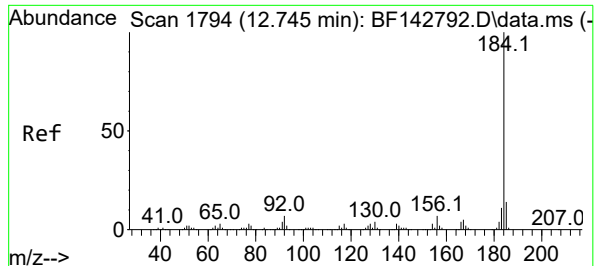
Tgt Ion:202 Resp: 770481
Ion Ratio Lower Upper
202 100
101 10.0 0.0 29.7
203 17.3 0.0 37.5



#76
Chrysene-d12
Concen: 20.000 ng
RT: 14.057 min Scan# 2017
Delta R.T. 0.000 min
Lab File: BF142794.D
Acq: 19 Jun 2025 20:10

Tgt Ion:240 Resp: 133196
Ion Ratio Lower Upper
240 100
120 10.3 8.2 12.2
236 24.2 19.8 29.8





#77

Benzidine

Concen: 60.916 ng

RT: 12.751 min Scan# 1

Delta R.T. 0.006 min

Lab File: BF142794.D

Acq: 19 Jun 2025 20:10

Instrument :

BNA_F

ClientSampleId :

SSTDICC060

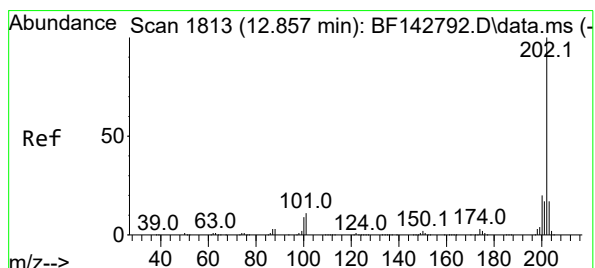
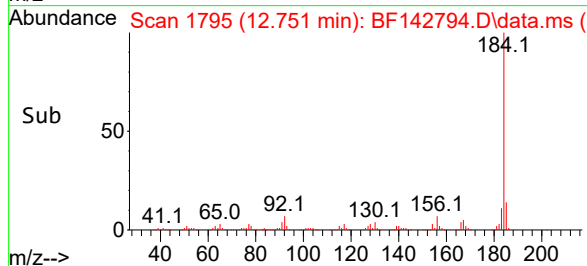
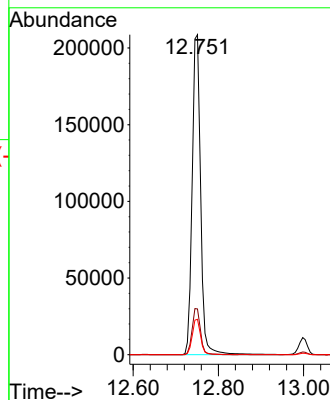
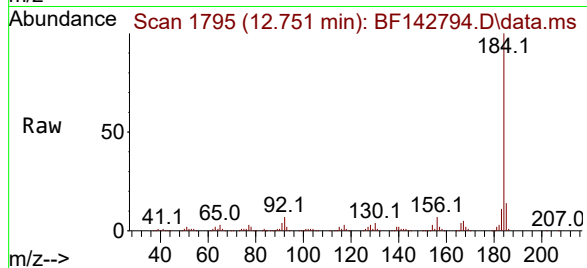
Tgt Ion:184 Resp: 287238

Ion Ratio Lower Upper

184 100

185 14.3 11.5 17.3

183 11.1 9.0 13.4



#78

Pyrene

Concen: 60.812 ng

RT: 12.857 min Scan# 1813

Delta R.T. 0.000 min

Lab File: BF142794.D

Acq: 19 Jun 2025 20:10

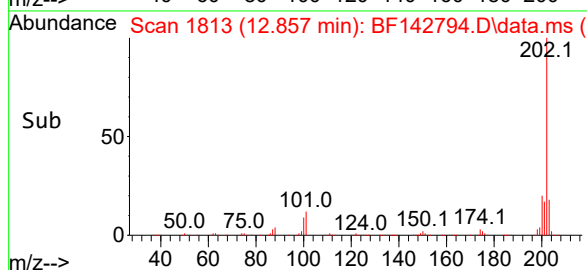
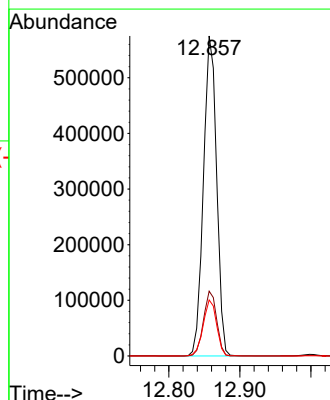
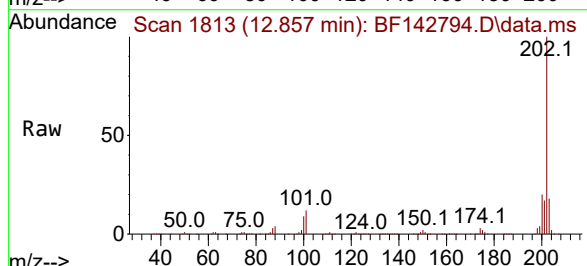
Tgt Ion:202 Resp: 744567

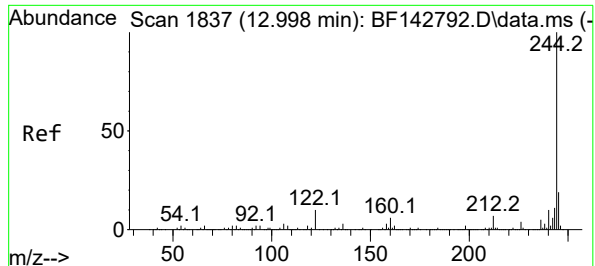
Ion Ratio Lower Upper

202 100

200 20.2 15.7 23.5

203 17.5 13.8 20.6





#79

Terphenyl-d14

Concen: 115.747 ng

RT: 12.998 min Scan# 1837

Delta R.T. 0.000 min

Lab File: BF142794.D

Acq: 19 Jun 2025 20:10

Instrument :

BNA_F

ClientSampleId :

SSTDICC060

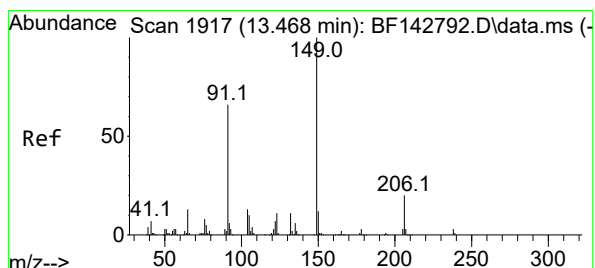
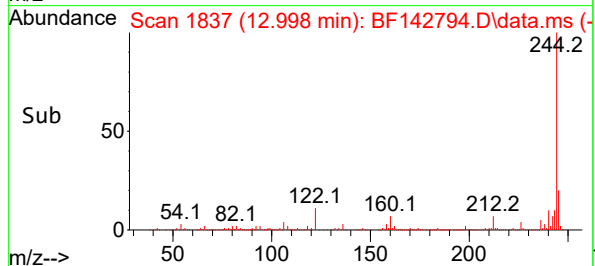
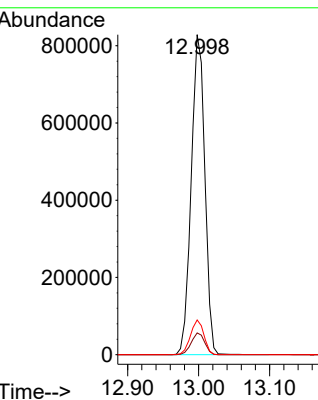
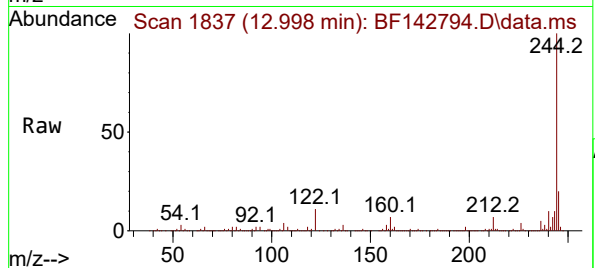
Tgt Ion:244 Resp: 1107704

Ion Ratio Lower Upper

244 100

212 6.8 5.4 8.0

122 10.9 8.2 12.2



#80

Butylbenzylphthalate

Concen: 65.755 ng

RT: 13.474 min Scan# 1918

Delta R.T. 0.006 min

Lab File: BF142794.D

Acq: 19 Jun 2025 20:10

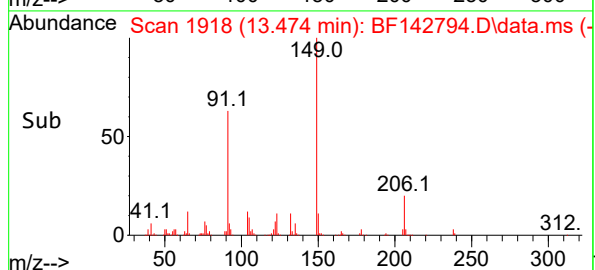
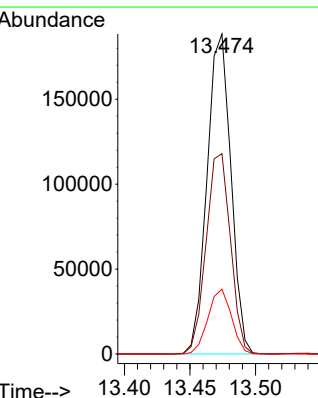
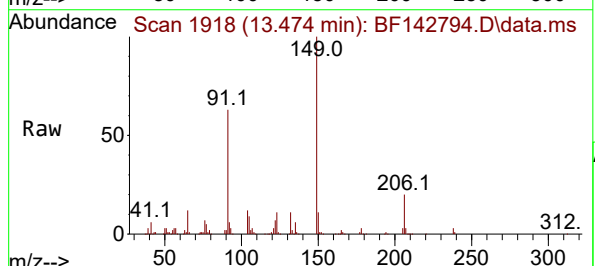
Tgt Ion:149 Resp: 238584

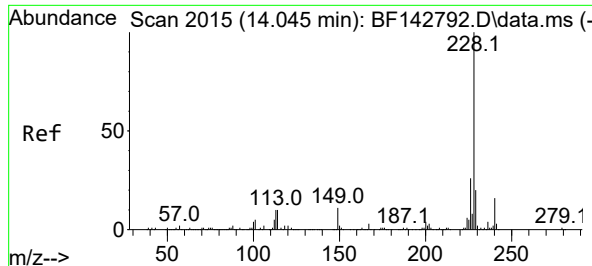
Ion Ratio Lower Upper

149 100

91 62.6 52.9 79.3

206 20.2 16.3 24.5

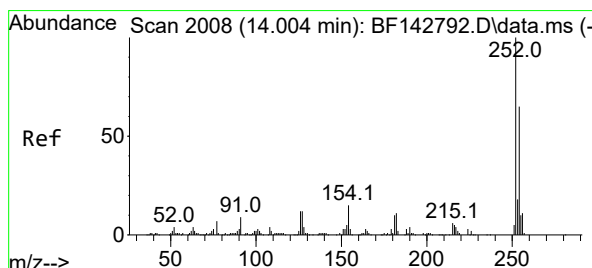
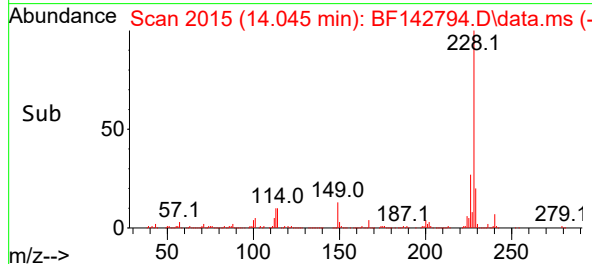
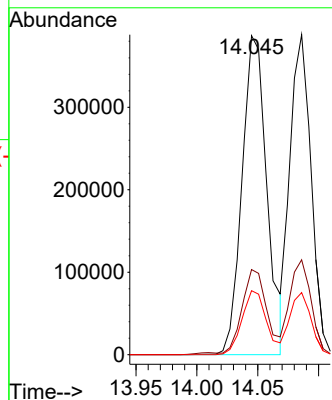
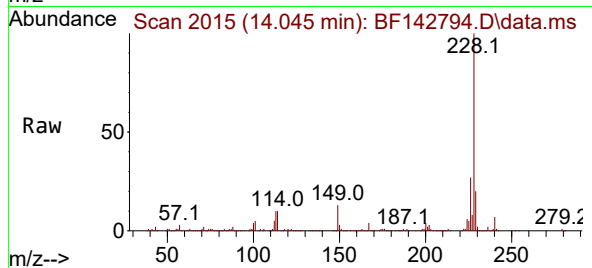




#81
Benzo(a)anthracene
Concen: 62.892 ng
RT: 14.045 min Scan# 2015
Delta R.T. 0.000 min
Lab File: BF142794.D
Acq: 19 Jun 2025 20:10

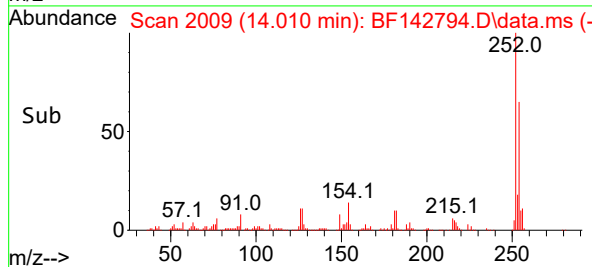
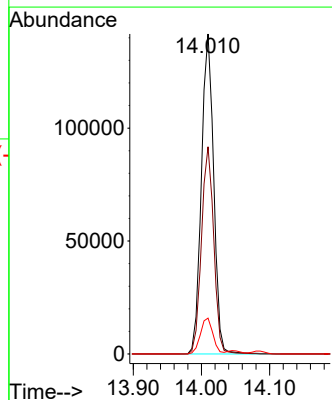
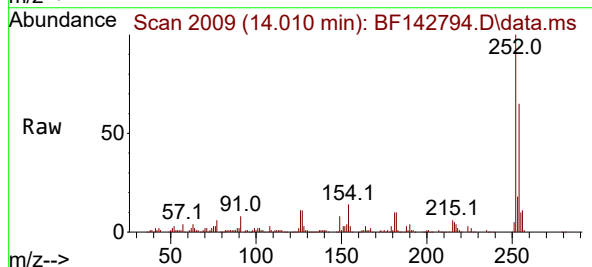
Instrument :
BNA_F
ClientSampleId :
SSTDICC060

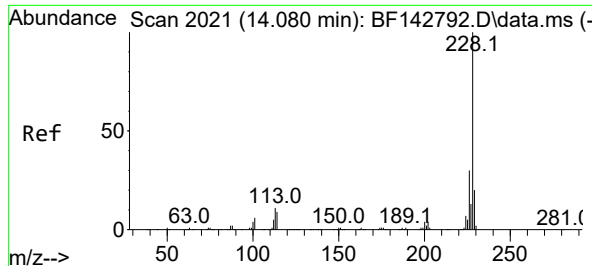
Tgt Ion:228 Resp: 550008
Ion Ratio Lower Upper
228 100
226 26.7 21.2 31.8
229 20.0 15.6 23.4



#82
3,3'-Dichlorobenzidine
Concen: 62.787 ng
RT: 14.010 min Scan# 2009
Delta R.T. 0.006 min
Lab File: BF142794.D
Acq: 19 Jun 2025 20:10

Tgt Ion:252 Resp: 177798
Ion Ratio Lower Upper
252 100
254 64.8 51.7 77.5
126 11.2 9.4 14.2





#83

Chrysene

Concen: 57.743 ng

RT: 14.086 min Scan# 20

Delta R.T. 0.006 min

Lab File: BF142794.D

Acq: 19 Jun 2025 20:10

Instrument :

BNA_F

ClientSampleId :

SSTDICC060

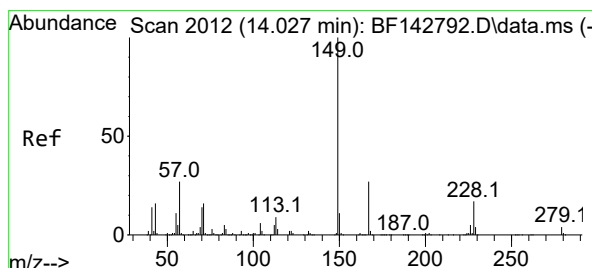
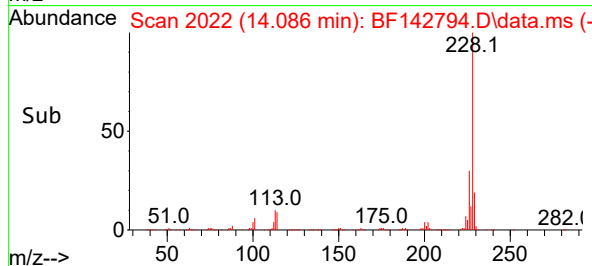
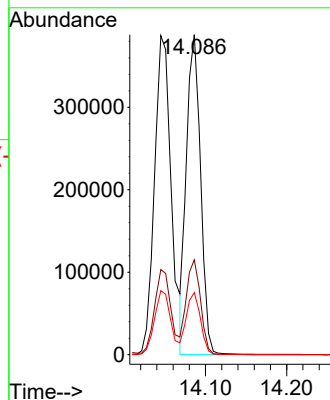
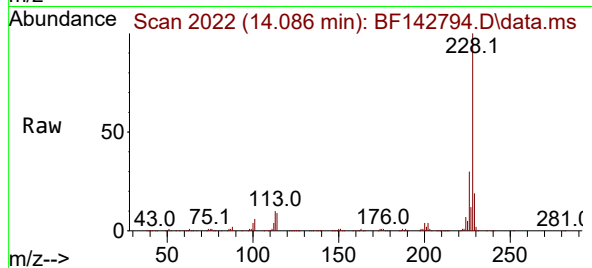
Tgt Ion:228 Resp: 470124

Ion Ratio Lower Upper

228 100

226 29.7 23.7 35.5

229 19.4 15.7 23.5



#84

Bis(2-ethylhexyl)phthalate

Concen: 62.326 ng

RT: 14.027 min Scan# 2012

Delta R.T. 0.000 min

Lab File: BF142794.D

Acq: 19 Jun 2025 20:10

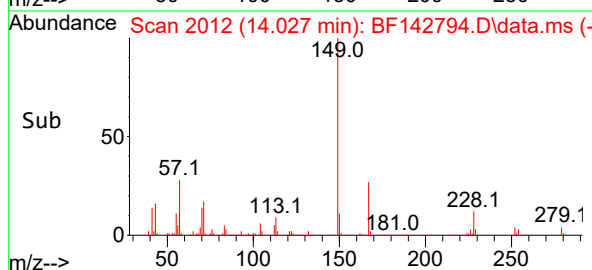
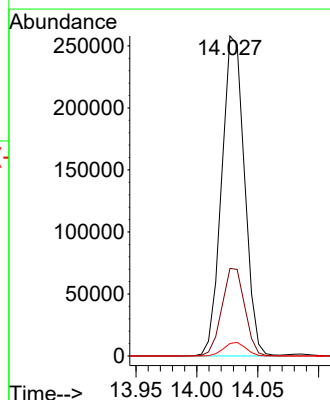
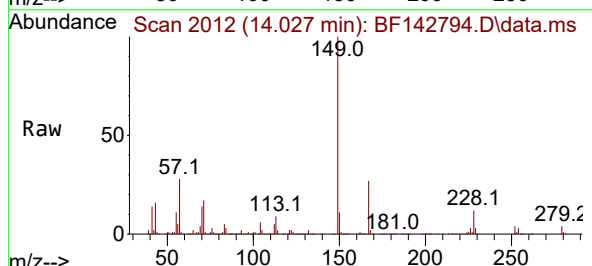
Tgt Ion:149 Resp: 336951

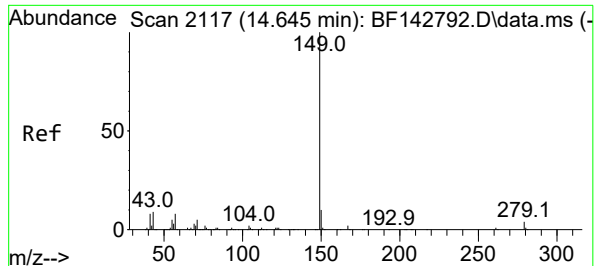
Ion Ratio Lower Upper

149 100

167 27.4 21.4 32.0

279 3.9 3.0 4.6

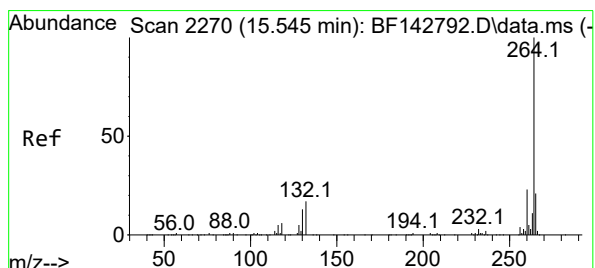
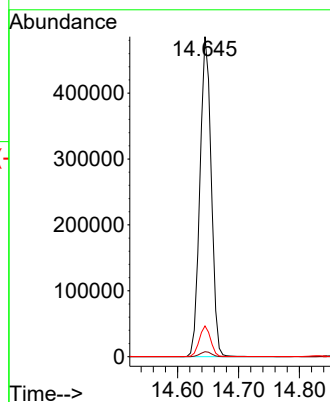
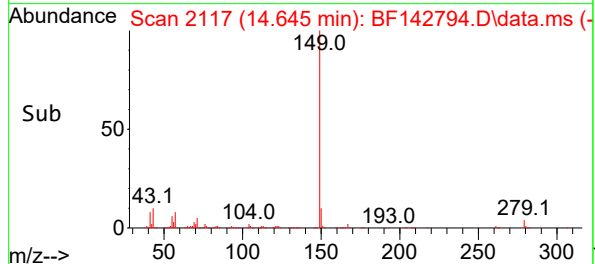
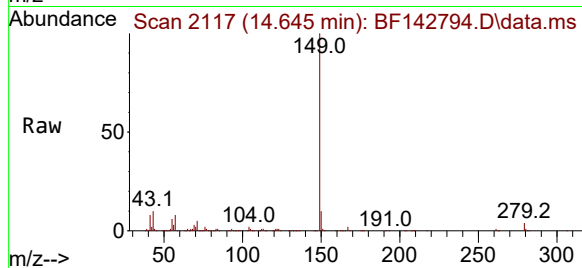




#85
Di-n-octyl phthalate
Concen: 60.871 ng
RT: 14.645 min Scan# 2117
Delta R.T. 0.000 min
Lab File: BF142794.D
Acq: 19 Jun 2025 20:10

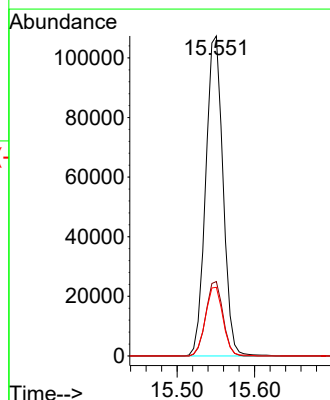
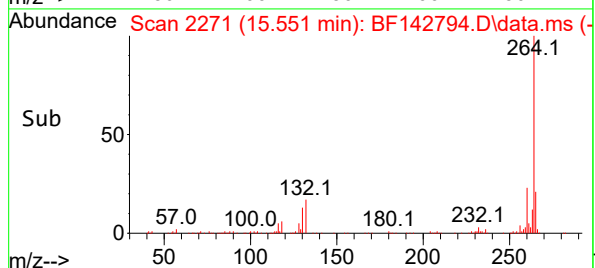
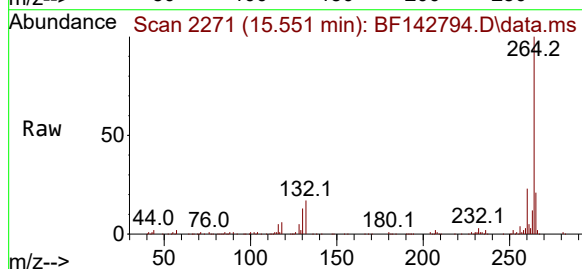
Instrument :
BNA_F
ClientSampleId :
SSTDICC060

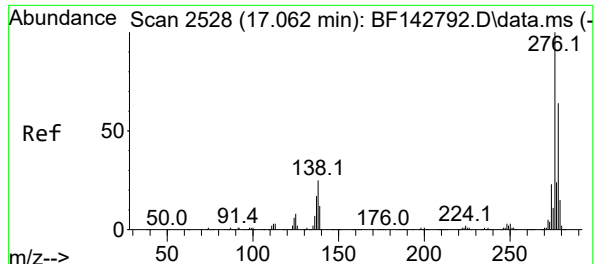
Tgt Ion:149 Resp: 627090
Ion Ratio Lower Upper
149 100
167 1.6 1.3 1.9
43 9.6 7.6 11.4



#86
Perylene-d12
Concen: 20.000 ng
RT: 15.551 min Scan# 2271
Delta R.T. 0.006 min
Lab File: BF142794.D
Acq: 19 Jun 2025 20:10

Tgt Ion:264 Resp: 166457
Ion Ratio Lower Upper
264 100
260 23.3 18.1 27.1
265 21.4 16.6 25.0





#87

Indeno(1,2,3-cd)pyrene

Concen: 62.432 ng

RT: 17.068 min Scan# 2196

Delta R.T. 0.006 min

Lab File: BF142794.D

Acq: 19 Jun 2025 20:10

Instrument :

BNA_F

ClientSampleId :

SSTDICC060

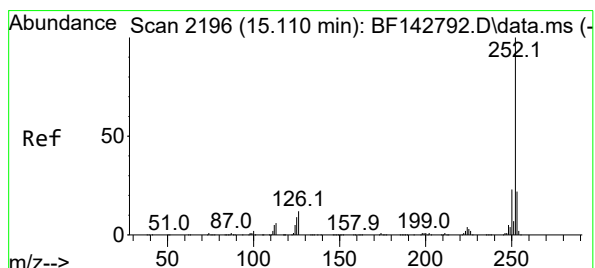
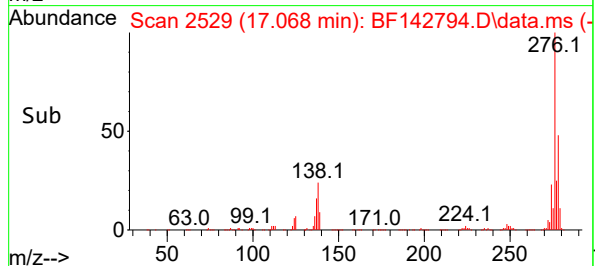
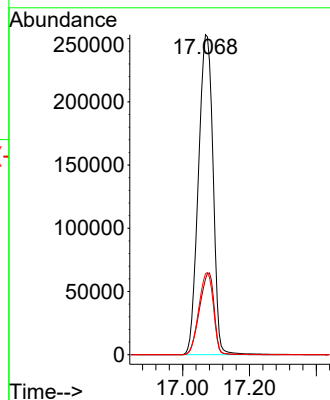
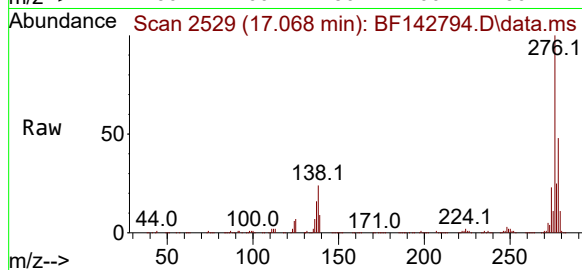
Tgt Ion:276 Resp: 768324

Ion Ratio Lower Upper

276 100

138 25.4 20.2 30.4

277 25.6 19.8 29.6



#88

Benzo(b)fluoranthene

Concen: 61.638 ng

RT: 15.110 min Scan# 2196

Delta R.T. 0.000 min

Lab File: BF142794.D

Acq: 19 Jun 2025 20:10

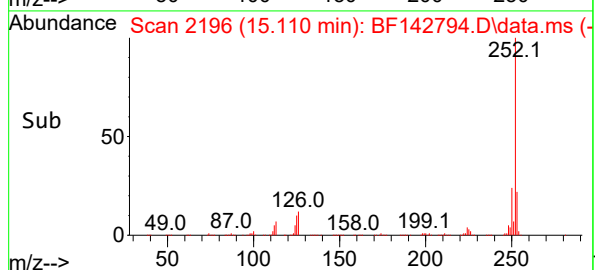
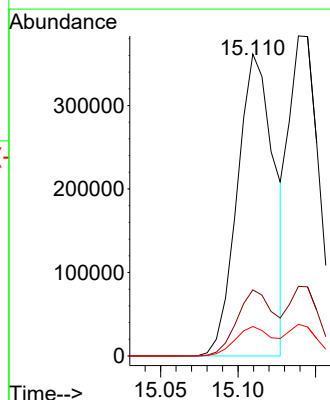
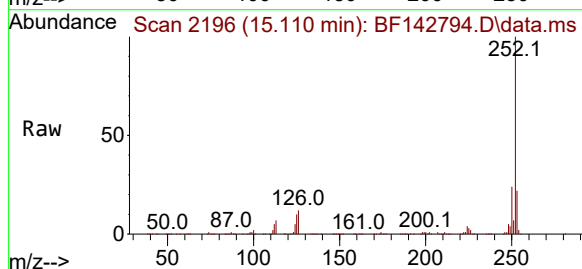
Tgt Ion:252 Resp: 597533

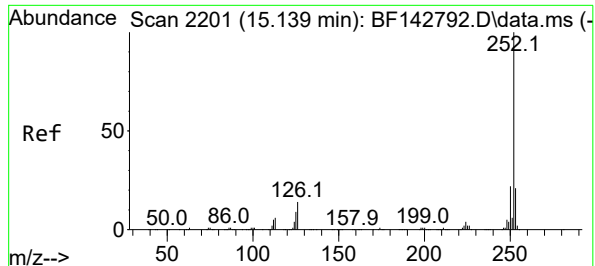
Ion Ratio Lower Upper

252 100

253 21.9 17.5 26.3

125 9.7 7.4 11.0





#89

Benzo(k)fluoranthene

Concen: 54.792 ng

RT: 15.139 min Scan# 2201

Delta R.T. 0.000 min

Lab File: BF142794.D

Acq: 19 Jun 2025 20:10

Instrument :

BNA_F

ClientSampleId :

SSTDICC060

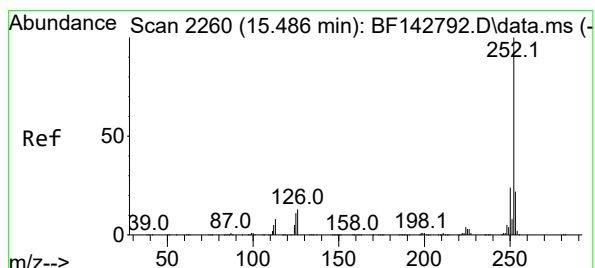
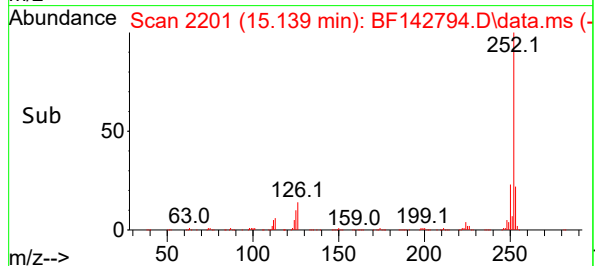
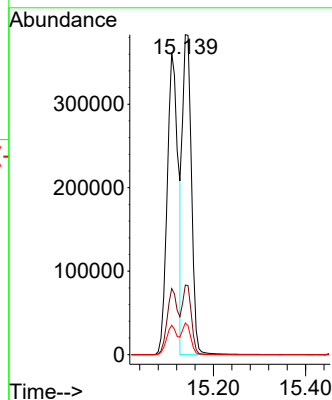
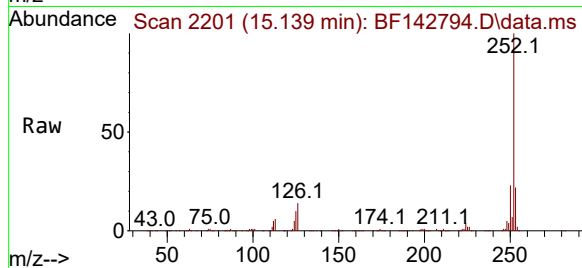
Tgt Ion:252 Resp: 518514

Ion Ratio Lower Upper

252 100

253 21.7 17.2 25.8

125 9.9 7.4 11.2



#90

Benzo(a)pyrene

Concen: 61.408 ng

RT: 15.486 min Scan# 2260

Delta R.T. 0.000 min

Lab File: BF142794.D

Acq: 19 Jun 2025 20:10

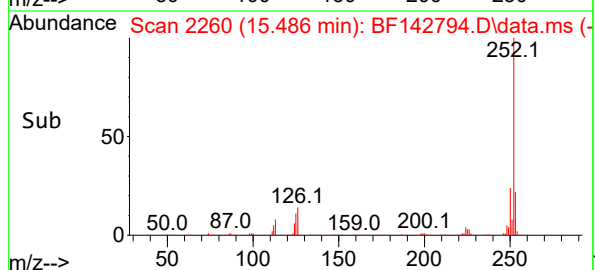
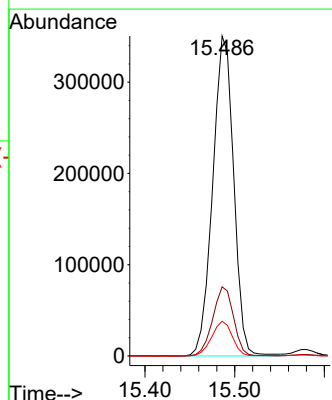
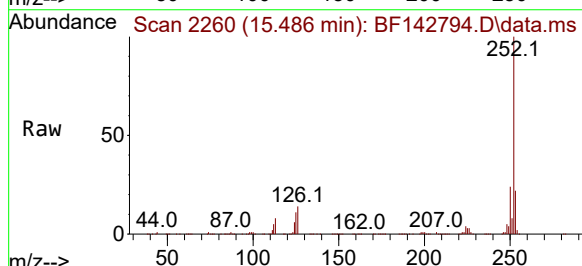
Tgt Ion:252 Resp: 569694

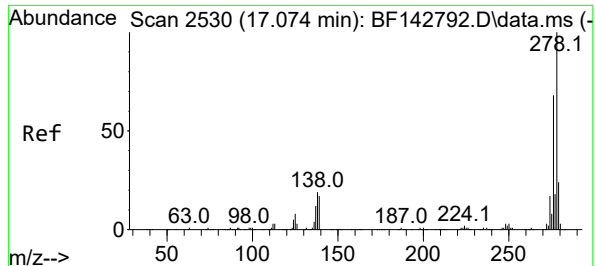
Ion Ratio Lower Upper

252 100

253 21.6 17.5 26.3

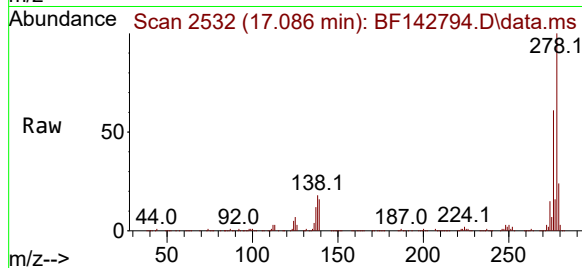
125 10.9 8.6 12.8



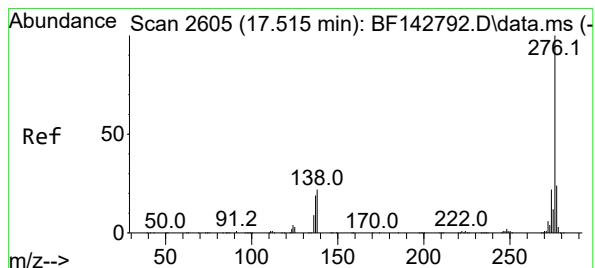
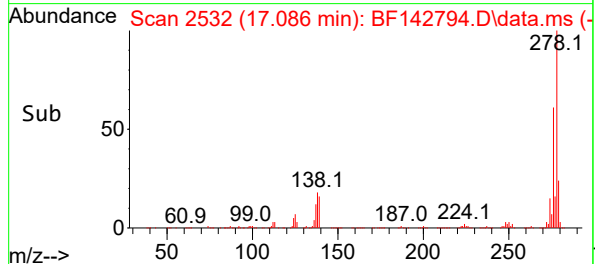
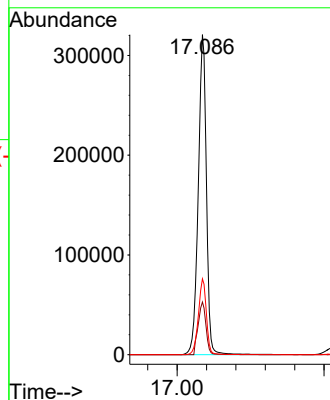


#91
Dibenzo(a,h)anthracene
Concen: 61.889 ng
RT: 17.086 min Scan# 21
Delta R.T. 0.012 min
Lab File: BF142794.D
Acq: 19 Jun 2025 20:10

Instrument :
BNA_F
ClientSampleId :
SSTDICC060

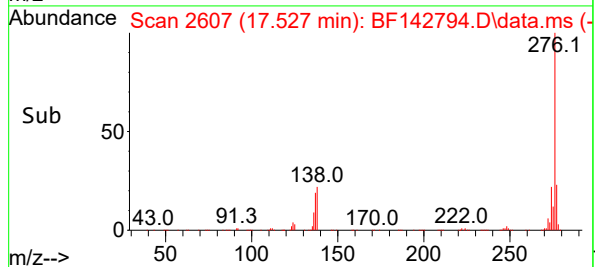
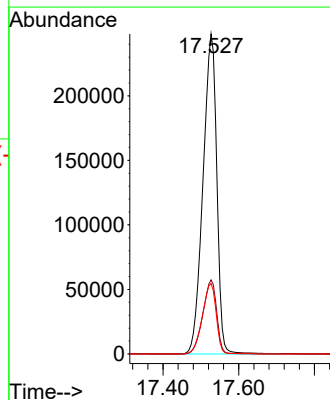
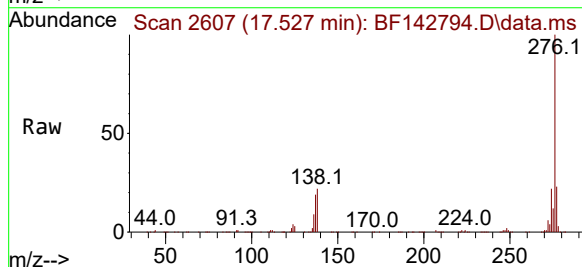


Tgt Ion:278 Resp: 619236
Ion Ratio Lower Upper
278 100
139 16.5 13.5 20.3
279 23.7 18.8 28.2



#92
Benzo(g,h,i)perylene
Concen: 62.795 ng
RT: 17.527 min Scan# 2607
Delta R.T. 0.012 min
Lab File: BF142794.D
Acq: 19 Jun 2025 20:10

Tgt Ion:276 Resp: 626847
Ion Ratio Lower Upper
276 100
277 23.2 18.8 28.2
138 22.0 17.6 26.4



Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF061925\
 Data File : BF142795.D
 Acq On : 19 Jun 2025 20:40
 Operator : RC/JU
 Sample : SSTDICC080
 Misc :
 ALS Vial : 9 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 SSTDICC080

Quant Time: Jun 20 04:42:16 2025
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF061925.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Fri Jun 20 04:36:38 2025
 Response via : Initial Calibration

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

Internal Standards						
1) 1,4-Dichlorobenzene-d4	6.881	152	77938	20.000	ng	0.00
21) Naphthalene-d8	8.169	136	285299	20.000	ng	0.00
39) Acenaphthene-d10	9.928	164	140262	20.000	ng	0.00
64) Phenanthrene-d10	11.410	188	213216	20.000	ng	0.00
76) Chrysene-d12	14.063	240	127713	20.000	ng	0.00
86) Perylene-d12	15.551	264	175125	20.000	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.498	112	703164	153.880	ng	0.00
7) Phenol-d6	6.516	99	813626	151.631	ng	0.00
23) Nitrobenzene-d5	7.457	82	792380	152.234	ng	0.01
42) 2,4,6-Tribromophenol	10.722	330	210092	137.823	ng	0.00
45) 2-Fluorobiphenyl	9.245	172	1515847	143.770	ng	0.00
79) Terphenyl-d14	12.998	244	1127781	122.904	ng	0.00
Target Compounds						
						Qvalue
2) 1,4-Dioxane	2.634	88	145434	80.147	ng	99
3) Pyridine	3.410	79	368129	81.031	ng	99
4) n-Nitrosodimethylamine	3.375	42	191412	82.265	ng	98
6) Aniline	6.545	93	544167	75.672	ng	# 83
8) 2-Chlorophenol	6.669	128	383707	77.116	ng	99
10) Phenol	6.534	94	448139	74.906	ng	84
11) bis(2-Chloroethyl)ether	6.622	93	335736	75.639	ng	98
12) 1,3-Dichlorobenzene	6.822	146	420352	74.190	ng	99
13) 1,4-Dichlorobenzene	6.898	146	419873	73.115	ng	99
14) 1,2-Dichlorobenzene	7.051	146	400191	72.897	ng	98
15) Benzyl Alcohol	7.028	79	307100	76.460	ng	98
16) 2,2'-oxybis(1-Chloropr...	7.157	45	512514	73.285	ng	94
17) 2-Methylphenol	7.140	107	289573	76.123	ng	98
18) Hexachloroethane	7.392	117	150991	73.550	ng	99
19) n-Nitroso-di-n-propyla...	7.304	70	238778	70.563	ng	98
20) 3+4-Methylphenols	7.292	107	345456	72.154	ng	96
22) Acetophenone	7.298	105	463019	73.349	ng	# 98
24) Nitrobenzene	7.475	77	358834	77.574	ng	98
25) Isophorone	7.716	82	632390	72.447	ng	99
26) 2-Nitrophenol	7.787	139	201064	78.009	ng	99
27) 2,4-Dimethylphenol	7.822	122	335771	76.518	ng	99
28) bis(2-Chloroethoxy)met...	7.916	93	400973	73.793	ng	100
29) 2,4-Dichlorophenol	8.028	162	306123	75.689	ng	99
30) 1,2,4-Trichlorobenzene	8.110	180	332721	74.472	ng	100
31) Naphthalene	8.192	128	1029082	73.342	ng	100
32) Benzoic acid	7.957	122	192536	79.082	ng	96
33) 4-Chloroaniline	8.239	127	413911	73.608	ng	100
34) Hexachlorobutadiene	8.304	225	204081	72.088	ng	99
35) Caprolactam	8.628	113	78302	71.952	ng	98
36) 4-Chloro-3-methylphenol	8.722	107	296520	70.974	ng	98
37) 2-Methylnaphthalene	8.881	142	627195	70.857	ng	100
38) 1-Methylnaphthalene	8.981	142	642853	69.952	ng	100
40) 1,2,4,5-Tetrachloroben...	9.051	216	315930	78.028	ng	99
41) Hexachlorocyclopentadiene	9.034	237	218091	85.183	ng	98
43) 2,4,6-Trichlorophenol	9.163	196	207984	79.375	ng	98
44) 2,4,5-Trichlorophenol	9.204	196	217860	76.993	ng	99

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF061925\
 Data File : BF142795.D
 Acq On : 19 Jun 2025 20:40
 Operator : RC/JU
 Sample : SSTDICC080
 Misc :
 ALS Vial : 9 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 SSTDICC080

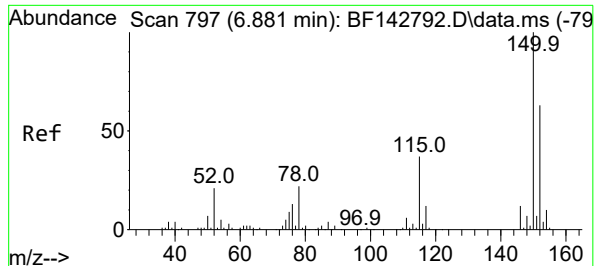
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 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Fri Jun 20 04:36:38 2025
 Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
46) 1,1'-Biphenyl	9.345	154	822529	75.525	ng	99
47) 2-Chloronaphthalene	9.375	162	620399	77.199	ng	99
48) 2-Nitroaniline	9.469	65	179718	78.716	ng	97
49) Acenaphthylene	9.786	152	1002569	74.207	ng	100
50) Dimethylphthalate	9.651	163	665322	71.510	ng	100
51) 2,6-Dinitrotoluene	9.710	165	150567	74.654	ng	99
52) Acenaphthene	9.963	154	621336	74.322	ng	100
53) 3-Nitroaniline	9.881	138	164090	74.903	ng	99
54) 2,4-Dinitrophenol	9.986	184	85185	78.050	ng	97
55) Dibenzofuran	10.133	168	862110	72.277	ng	99
56) 4-Nitrophenol	10.039	139	114163	76.771	ng	98
57) 2,4-Dinitrotoluene	10.116	165	189684	71.128	ng	95
58) Fluorene	10.475	166	663463	70.475	ng	100
59) 2,3,4,6-Tetrachlorophenol	10.251	232	170453	71.850	ng	97
60) Diethylphthalate	10.345	149	640148	69.265	ng	99
61) 4-Chlorophenyl-phenyle...	10.463	204	318782	69.722	ng	98
62) 4-Nitroaniline	10.498	138	147879	75.193	ng	98
63) Azobenzene	10.628	77	578765	71.659	ng	99
65) 4,6-Dinitro-2-methylph...	10.528	198	106528	80.401	ng	98
66) n-Nitrosodiphenylamine	10.586	169	564677	77.075	ng	99
67) 4-Bromophenyl-phenylether	10.957	248	191698	76.768	ng	97
68) Hexachlorobenzene	11.022	284	210925	76.086	ng	98
69) Atrazine	11.110	200	148117	76.143	ng	100
70) Pentachlorophenol	11.216	266	113104	78.555	ng	99
71) Phenanthrene	11.439	178	845899	74.102	ng	99
72) Anthracene	11.492	178	862662	73.008	ng	99
73) Carbazole	11.645	167	738174	74.602	ng	100
74) Di-n-butylphthalate	11.969	149	798500	72.884	ng	100
75) Fluoranthene	12.627	202	766933	70.711	ng	99
77) Benzidine	12.751	184	299985	66.350	ng	100
78) Pyrene	12.857	202	750100	63.894	ng	98
80) Butylbenzylphthalate	13.474	149	287568	82.658	ng	97
81) Benzo(a)anthracene	14.051	228	655753	78.202	ng	99
82) 3,3'-Dichlorobenzidine	14.010	252	223571	82.340	ng	100
83) Chrysene	14.086	228	587658	75.278	ng	99
84) Bis(2-ethylhexyl)phtha...	14.033	149	448387	86.499	ng	99
85) Di-n-octyl phthalate	14.651	149	843227	85.366	ng	100
87) Indeno(1,2,3-cd)pyrene	17.074	276	1010374	78.036	ng	99
88) Benzo(b)fluoranthene	15.115	252	749341	73.471	ng	100
89) Benzo(k)fluoranthene	15.145	252	747789	75.108	ng	99
90) Benzo(a)pyrene	15.492	252	759483	77.813	ng	100
91) Dibenzo(a,h)anthracene	17.092	278	806991	76.662	ng	99
92) Benzo(g,h,i)perylene	17.539	276	813177	77.429	ng	99

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

Instrument :
BNA_F
ClientSampleId :
SSTDICC080

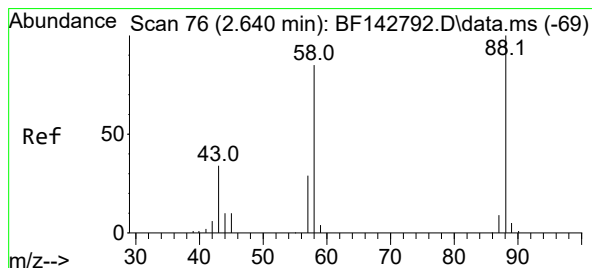
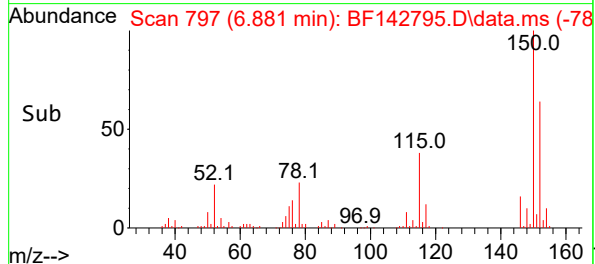
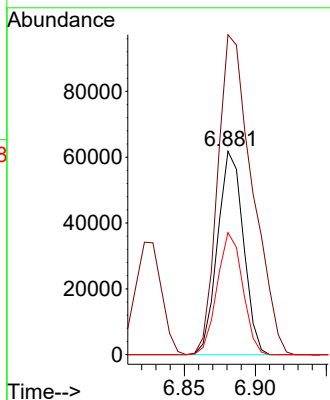
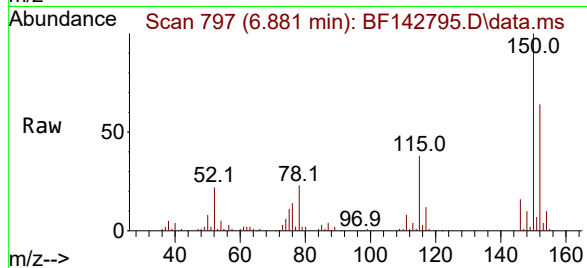
[illegible]



#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.881 min Scan# 79
Delta R.T. -0.000 min
Lab File: BF142795.D
Acq: 19 Jun 2025 20:40

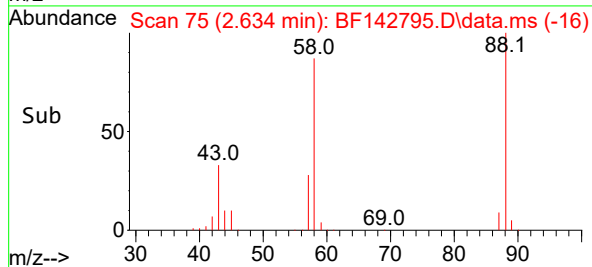
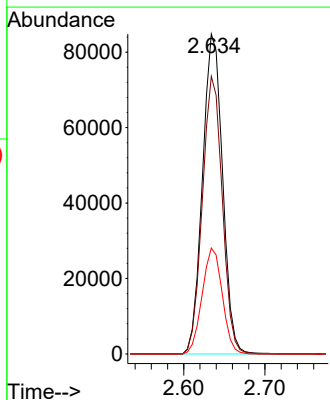
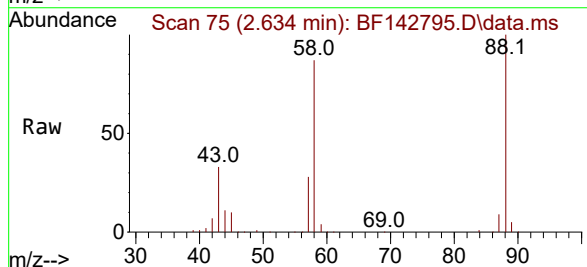
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ClientSampleId :
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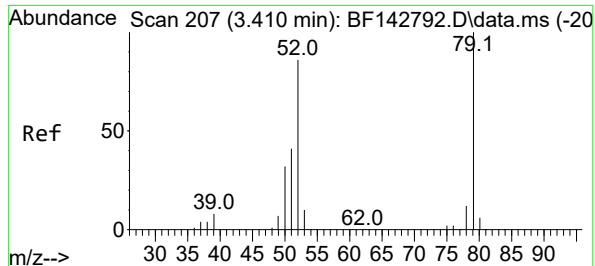
Tgt Ion:152 Resp: 77938
Ion Ratio Lower Upper
152 100
150 157.3 127.2 190.8
115 60.0 46.6 69.8



#2
1,4-Dioxane
Concen: 80.147 ng
RT: 2.634 min Scan# 75
Delta R.T. -0.006 min
Lab File: BF142795.D
Acq: 19 Jun 2025 20:40

Tgt Ion: 88 Resp: 145434
Ion Ratio Lower Upper
88 100
58 86.0 69.1 103.7
43 33.2 27.4 41.2

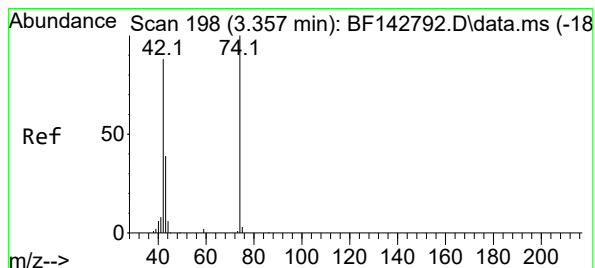
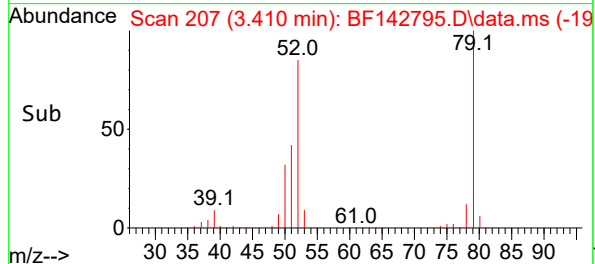
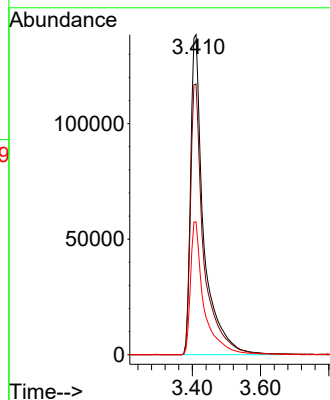
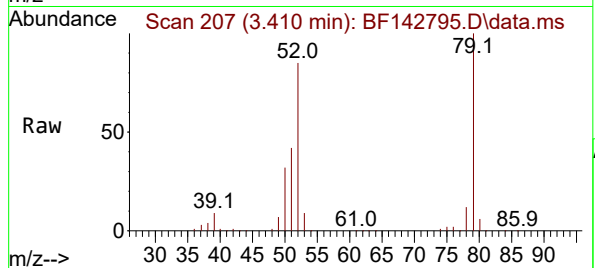




#3
Pyridine
Concen: 81.031 ng
RT: 3.410 min Scan# 20
Delta R.T. 0.000 min
Lab File: BF142795.D
Acq: 19 Jun 2025 20:40

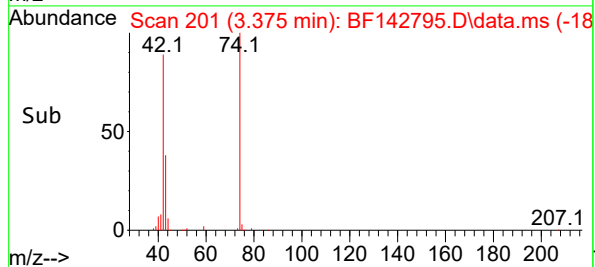
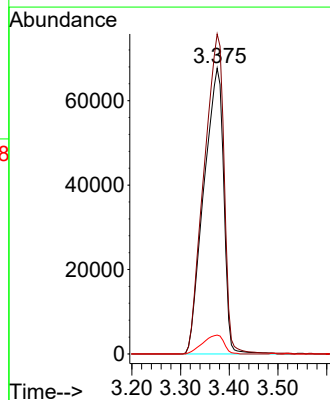
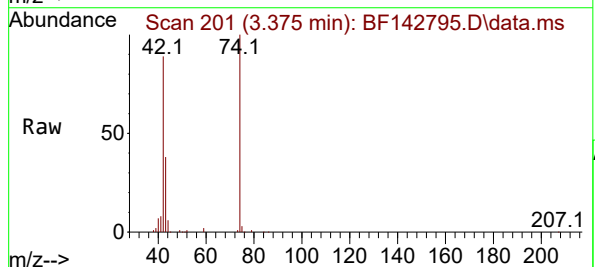
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ClientSampleId :
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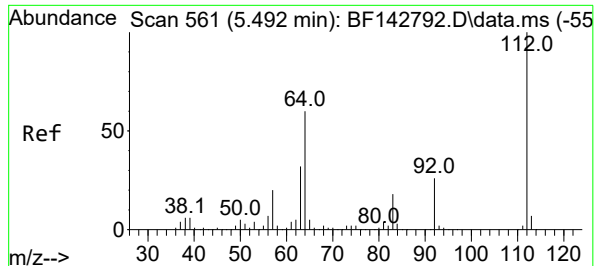
Tgt Ion: 79 Resp: 368129
Ion Ratio Lower Upper
79 100
52 84.6 69.2 103.8
51 41.5 33.2 49.8



#4
n-Nitrosodimethylamine
Concen: 82.265 ng
RT: 3.375 min Scan# 201
Delta R.T. 0.018 min
Lab File: BF142795.D
Acq: 19 Jun 2025 20:40

Tgt Ion: 42 Resp: 191412
Ion Ratio Lower Upper
42 100
74 112.0 90.9 136.3
44 6.6 5.8 8.6

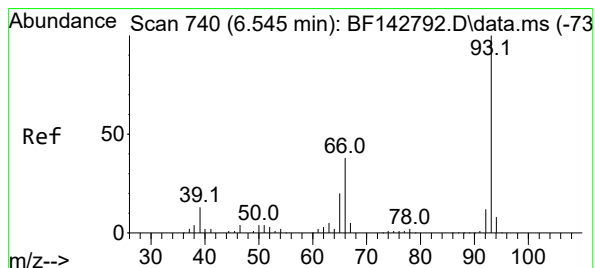
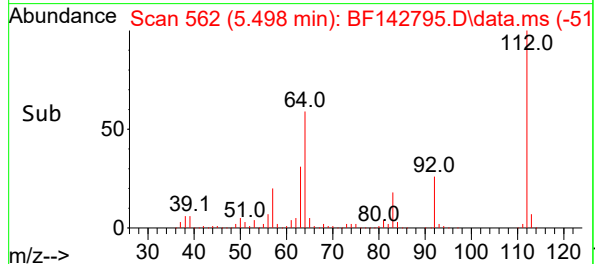
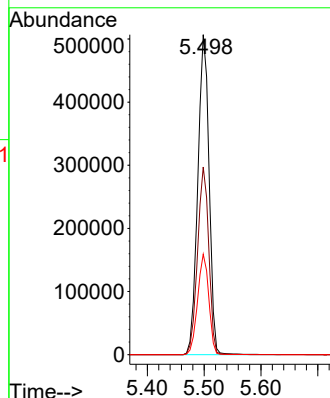
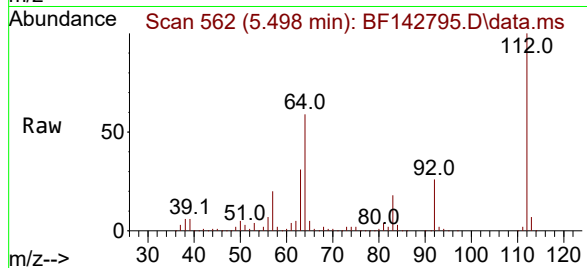




#5
2-Fluorophenol
Concen: 153.880 ng
RT: 5.498 min Scan# 501
Delta R.T. 0.006 min
Lab File: BF142795.D
Acq: 19 Jun 2025 20:40

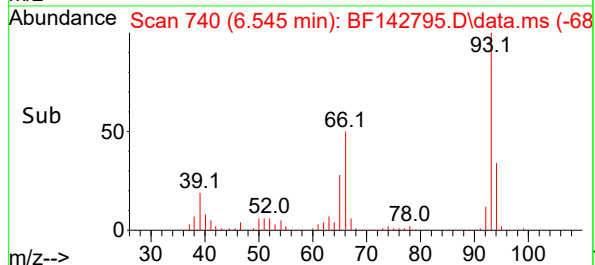
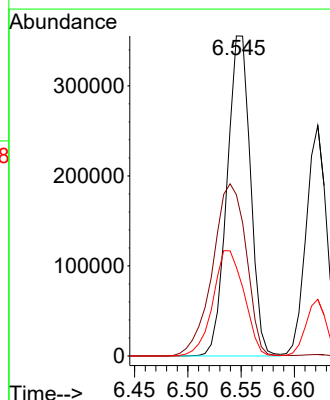
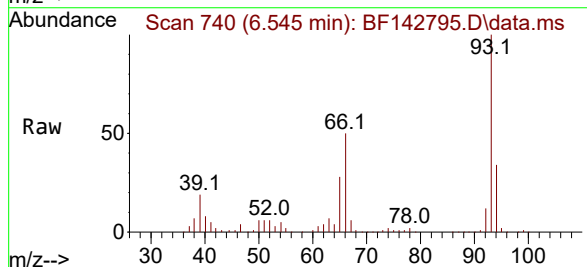
Instrument :
BNA_F
ClientSampleId :
SSTDICC080

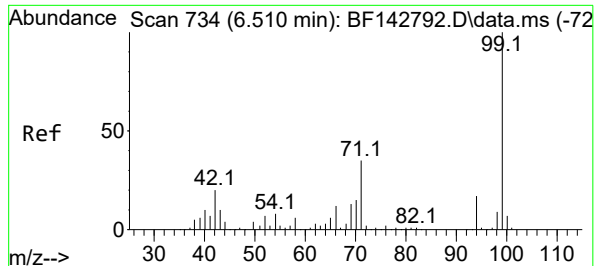
Tgt Ion:112 Resp: 703164
Ion Ratio Lower Upper
112 100
64 58.7 48.2 72.2
63 31.4 25.7 38.5



#6
Aniline
Concen: 75.672 ng
RT: 6.545 min Scan# 740
Delta R.T. 0.000 min
Lab File: BF142795.D
Acq: 19 Jun 2025 20:40

Tgt Ion: 93 Resp: 544167
Ion Ratio Lower Upper
93 100
66 50.4 31.8 47.6#
65 27.8 16.2 24.2#





#7

Phenol-d6

Concen: 151.631 ng

RT: 6.516 min Scan# 71

Delta R.T. 0.006 min

Lab File: BF142795.D

Acq: 19 Jun 2025 20:40

Instrument :

BNA_F

ClientSampleId :

SSTDICC080

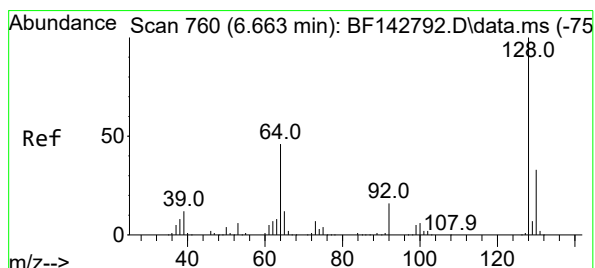
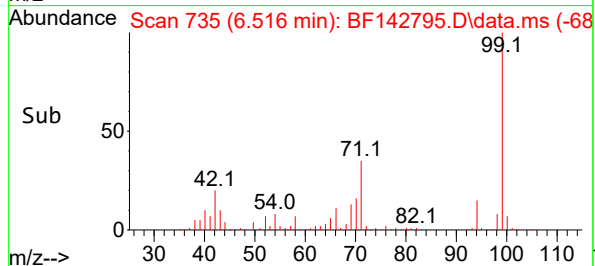
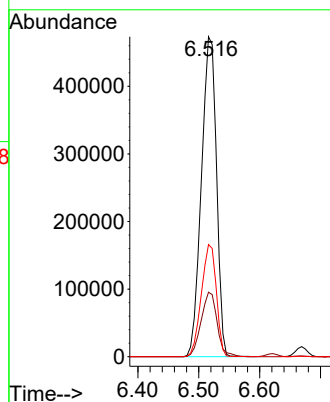
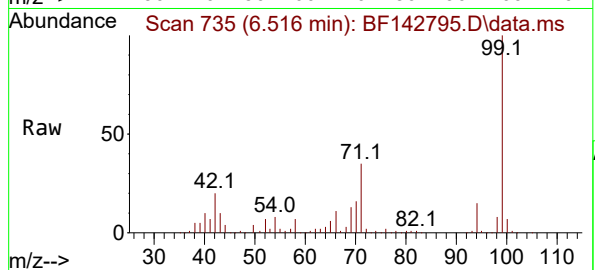
Tgt Ion: 99 Resp: 813626

Ion Ratio Lower Upper

99 100

42 20.1 15.9 23.9

71 35.1 27.8 41.8



#8

2-Chlorophenol

Concen: 77.116 ng

RT: 6.669 min Scan# 761

Delta R.T. 0.006 min

Lab File: BF142795.D

Acq: 19 Jun 2025 20:40

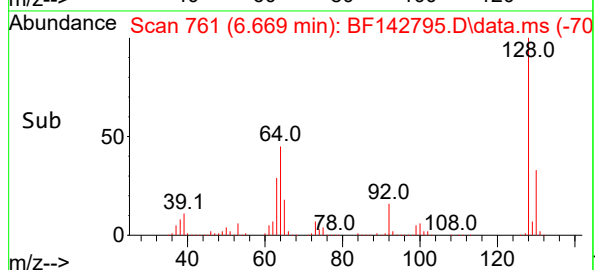
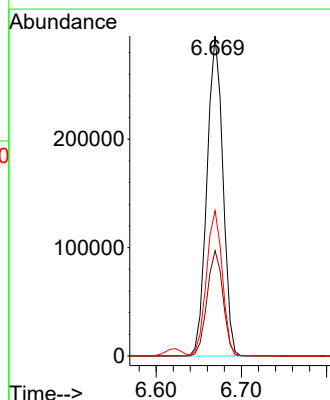
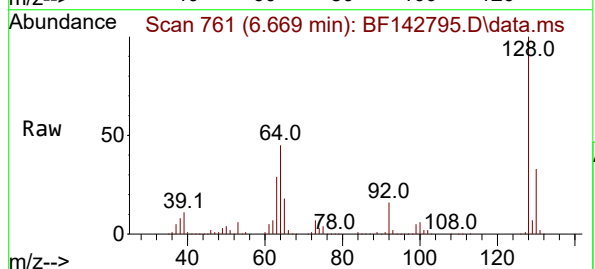
Tgt Ion:128 Resp: 383707

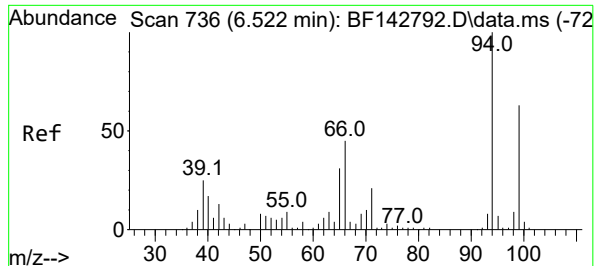
Ion Ratio Lower Upper

128 100

130 32.9 12.7 52.7

64 45.4 26.5 66.5

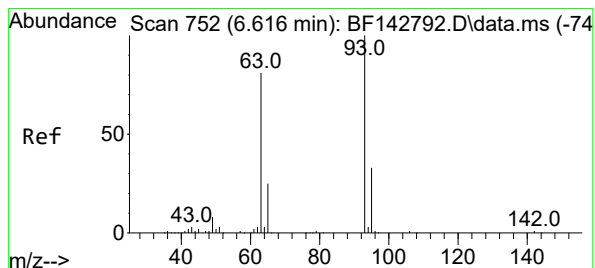
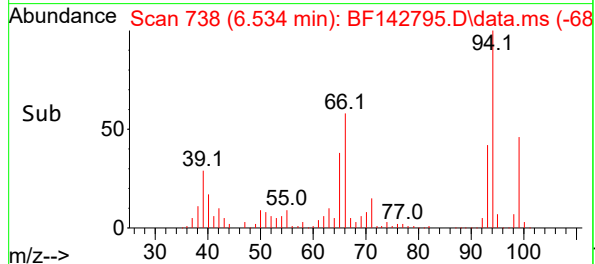
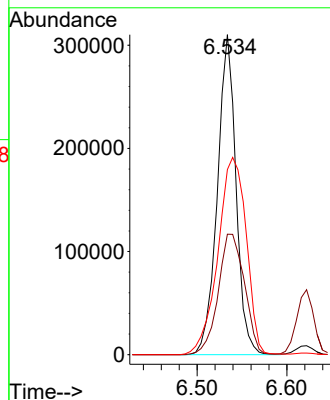
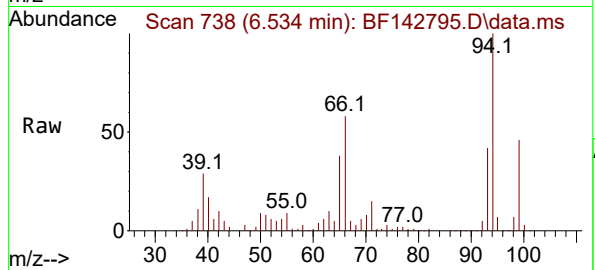




#10
Phenol
Concen: 74.906 ng
RT: 6.534 min Scan# 71
Delta R.T. 0.012 min
Lab File: BF142795.D
Acq: 19 Jun 2025 20:40

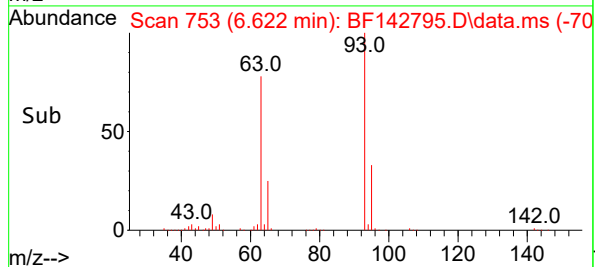
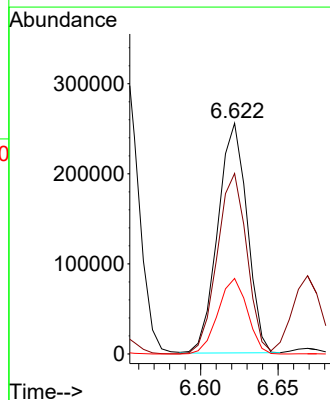
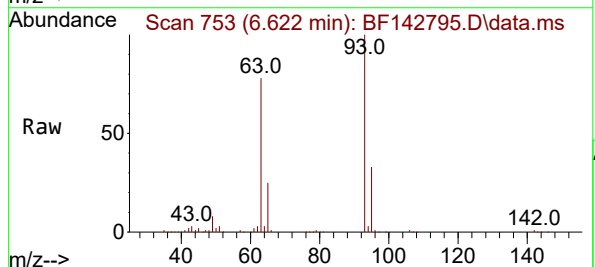
Instrument :
BNA_F
ClientSampleId :
SSTDICC080

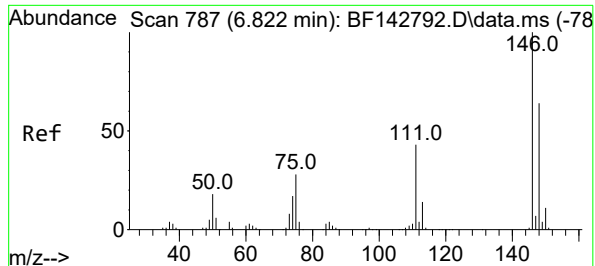
Tgt Ion: 94 Resp: 448139
Ion Ratio Lower Upper
94 100
65 37.7 11.3 51.3
66 57.8 24.9 64.9



#11
bis(2-Chloroethyl)ether
Concen: 75.639 ng
RT: 6.622 min Scan# 753
Delta R.T. 0.006 min
Lab File: BF142795.D
Acq: 19 Jun 2025 20:40

Tgt Ion: 93 Resp: 335736
Ion Ratio Lower Upper
93 100
63 78.2 60.3 100.3
95 32.8 12.5 52.5





#12

1,3-Dichlorobenzene

Concen: 74.190 ng

RT: 6.822 min Scan# 787

Delta R.T. 0.000 min

Lab File: BF142795.D

Acq: 19 Jun 2025 20:40

Instrument :

BNA_F

ClientSampleId :

SSTDICC080

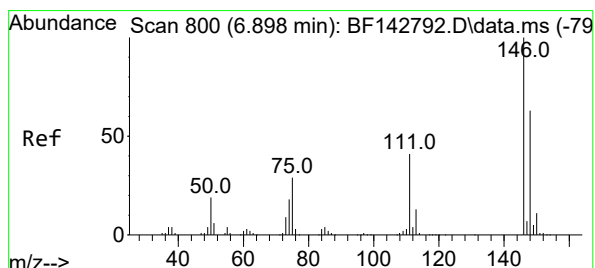
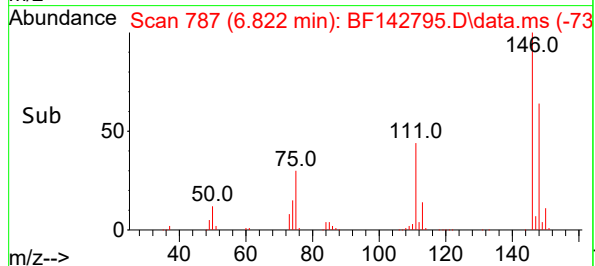
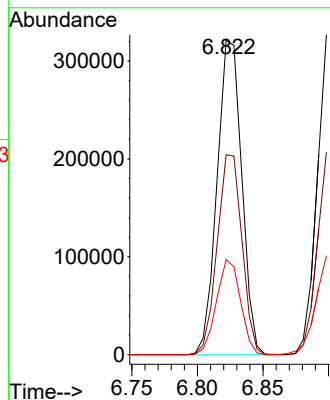
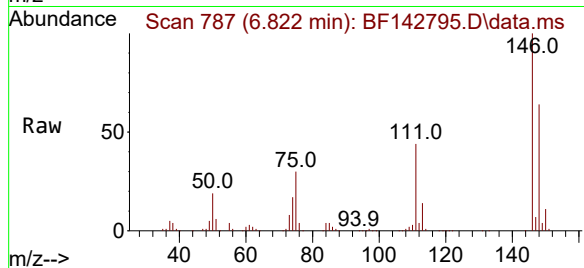
Tgt Ion:146 Resp: 420352

Ion Ratio Lower Upper

146 100

148 63.6 51.1 76.7

75 30.2 22.7 34.1



#13

1,4-Dichlorobenzene

Concen: 73.115 ng

RT: 6.898 min Scan# 800

Delta R.T. 0.000 min

Lab File: BF142795.D

Acq: 19 Jun 2025 20:40

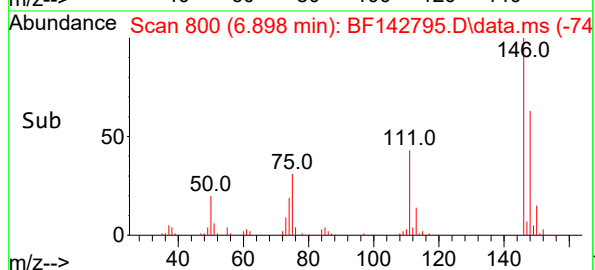
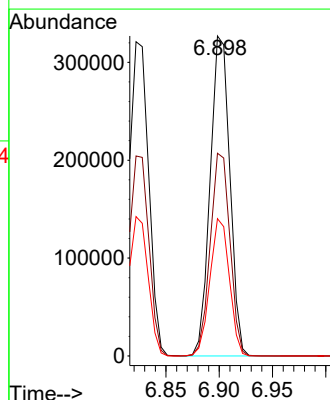
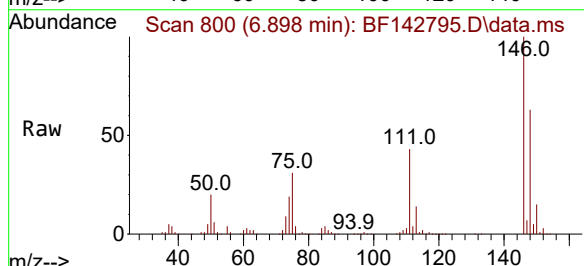
Tgt Ion:146 Resp: 419873

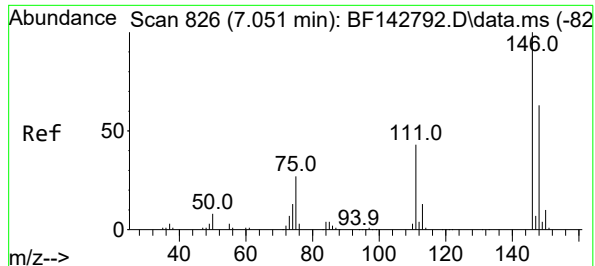
Ion Ratio Lower Upper

146 100

148 63.4 50.2 75.2

111 42.9 33.2 49.8

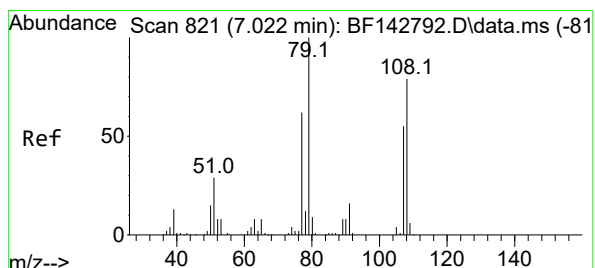
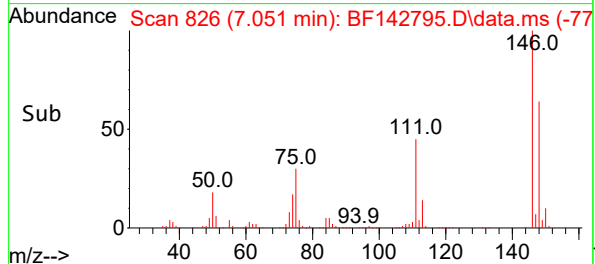
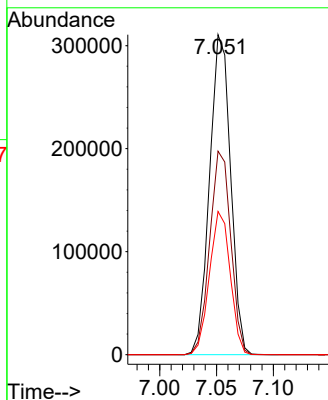
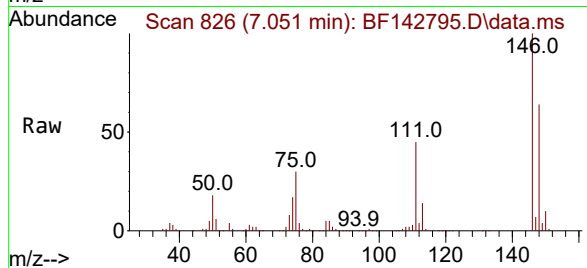




#14
1,2-Dichlorobenzene
Concen: 72.897 ng
RT: 7.051 min Scan# 81
Delta R.T. 0.000 min
Lab File: BF142795.D
Acq: 19 Jun 2025 20:40

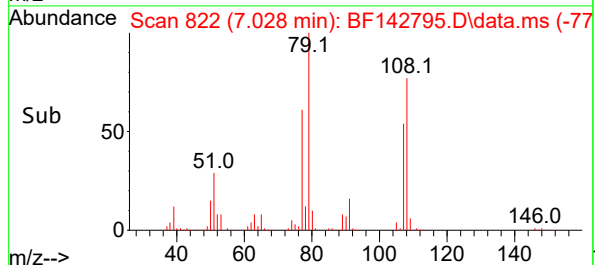
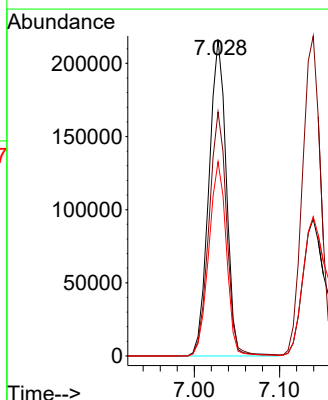
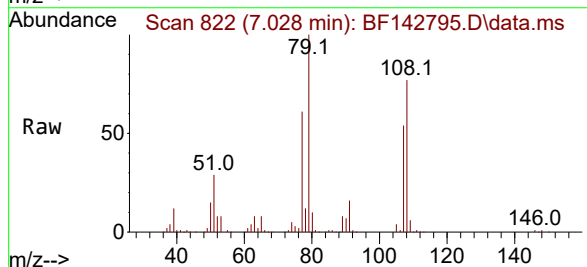
Instrument :
BNA_F
ClientSampleId :
SSTDICC080

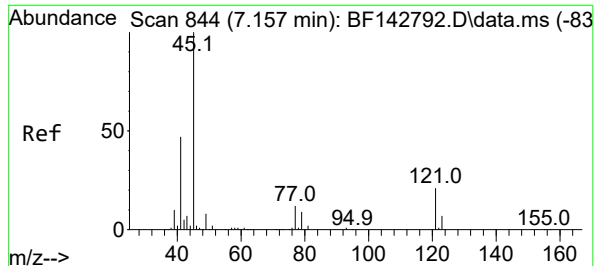
Tgt Ion:146 Resp: 400191
Ion Ratio Lower Upper
146 100
148 63.6 50.4 75.6
111 44.8 34.1 51.1



#15
Benzyl Alcohol
Concen: 76.460 ng
RT: 7.028 min Scan# 822
Delta R.T. 0.006 min
Lab File: BF142795.D
Acq: 19 Jun 2025 20:40

Tgt Ion: 79 Resp: 307100
Ion Ratio Lower Upper
79 100
108 77.2 63.4 95.0
77 61.4 49.5 74.3





#16

2,2'-oxybis(1-Chloropropane)

Concen: 73.285 ng

RT: 7.157 min Scan# 84

Delta R.T. 0.000 min

Lab File: BF142795.D

Acq: 19 Jun 2025 20:40

Instrument :

BNA_F

ClientSampleId :

SSTDICC080

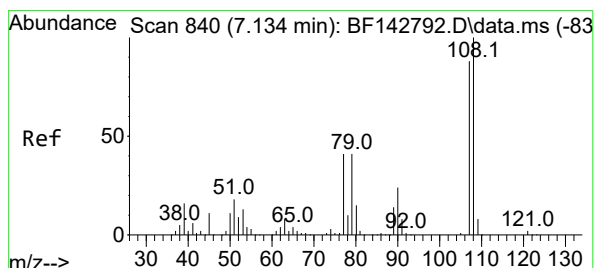
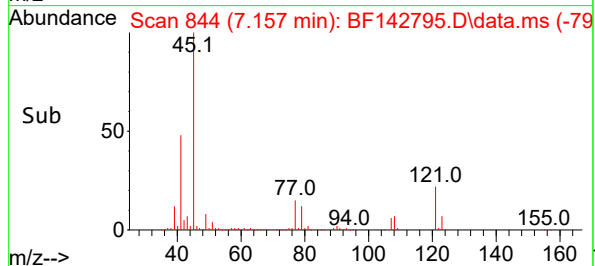
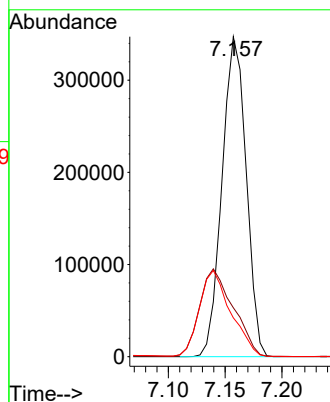
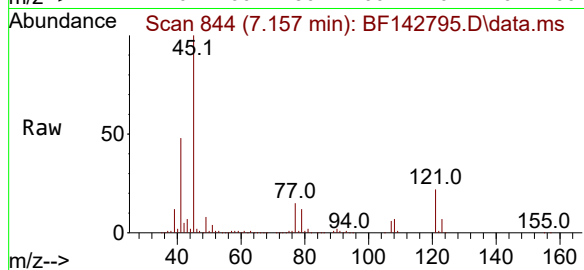
Tgt Ion: 45 Resp: 512514

Ion Ratio Lower Upper

45 100

77 15.3 0.0 32.8

79 12.1 0.0 29.8



#17

2-Methylphenol

Concen: 76.123 ng

RT: 7.140 min Scan# 841

Delta R.T. 0.006 min

Lab File: BF142795.D

Acq: 19 Jun 2025 20:40

Tgt Ion:107 Resp: 289573

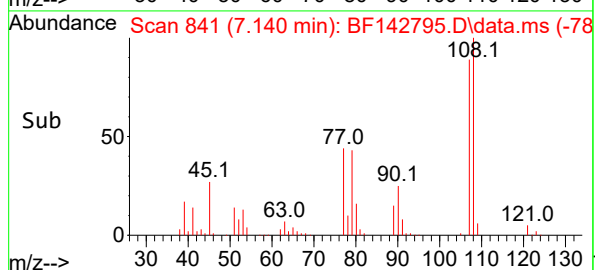
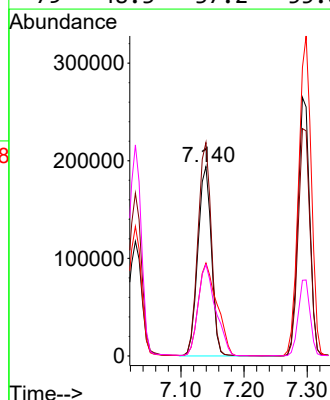
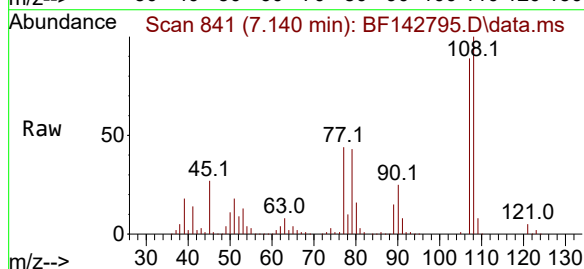
Ion Ratio Lower Upper

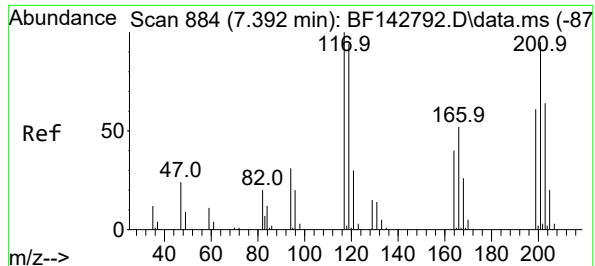
107 100

108 112.7 90.9 136.3

77 49.1 37.3 55.9

79 48.3 37.2 55.8

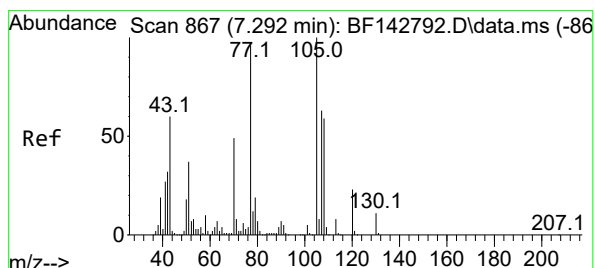
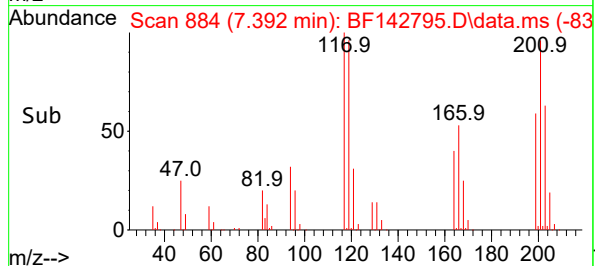
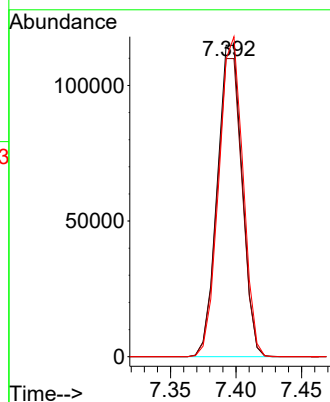
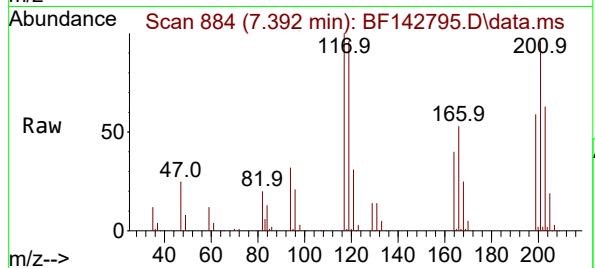




#18
Hexachloroethane
Concen: 73.550 ng
RT: 7.392 min Scan# 884
Delta R.T. 0.000 min
Lab File: BF142795.D
Acq: 19 Jun 2025 20:40

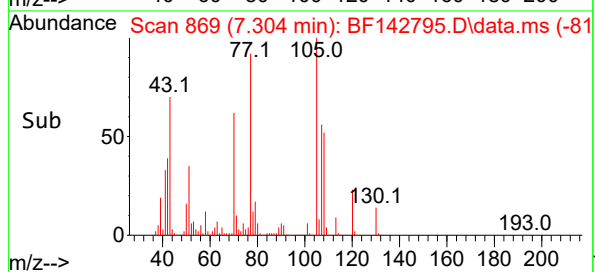
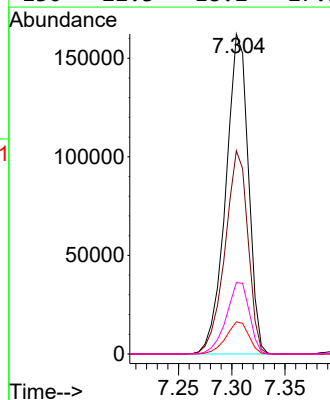
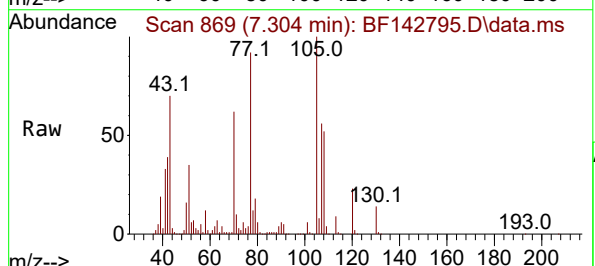
Instrument :
BNA_F
ClientSampleId :
SSTDICC080

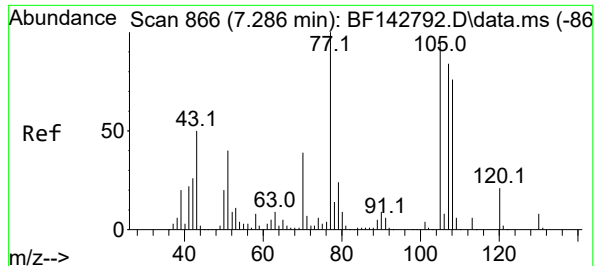
Tgt Ion:117 Resp: 150991
Ion Ratio Lower Upper
117 100
119 95.7 75.4 113.0
201 95.5 75.9 113.9



#19
n-Nitroso-di-n-propylamine
Concen: 70.563 ng
RT: 7.304 min Scan# 869
Delta R.T. 0.012 min
Lab File: BF142795.D
Acq: 19 Jun 2025 20:40

Tgt Ion: 70 Resp: 238778
Ion Ratio Lower Upper
70 100
42 63.5 52.1 78.1
101 10.0 8.2 12.2
130 22.3 18.2 27.2





#20

3+4-Methylphenols

Concen: 72.154 ng

RT: 7.292 min Scan# 8

Delta R.T. 0.006 min

Lab File: BF142795.D

Acq: 19 Jun 2025 20:40

Instrument :

BNA_F

ClientSampleId :

SSTDICC080

Tgt Ion:107 Resp: 345456

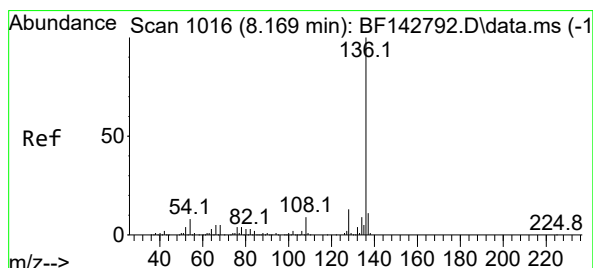
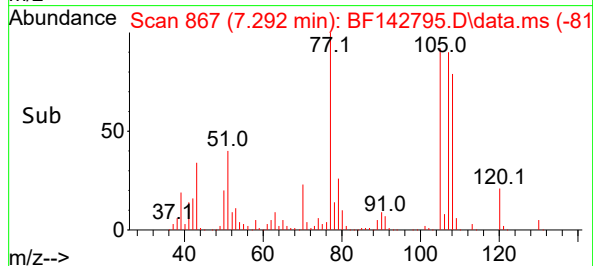
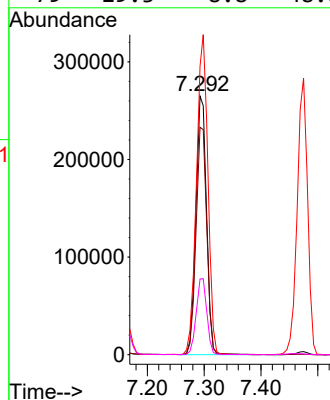
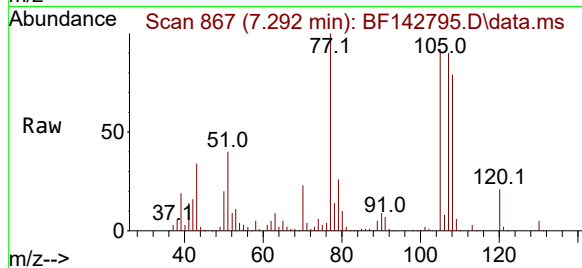
Ion Ratio Lower Upper

107 100

108 87.9 70.0 110.0

77 111.5 98.5 138.5

79 29.3 8.8 48.8



#21

Naphthalene-d8

Concen: 20.000 ng

RT: 8.169 min Scan# 1016

Delta R.T. 0.000 min

Lab File: BF142795.D

Acq: 19 Jun 2025 20:40

Tgt Ion:136 Resp: 285299

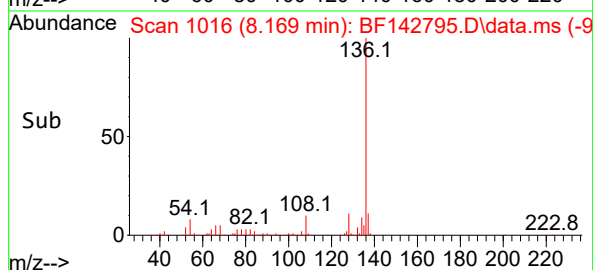
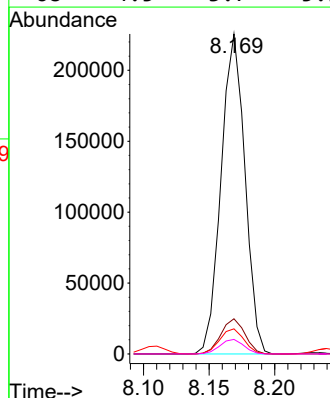
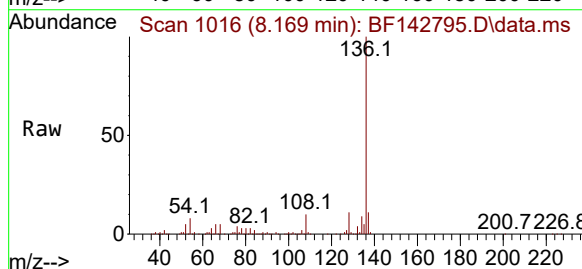
Ion Ratio Lower Upper

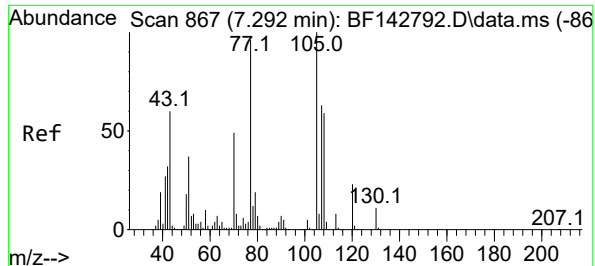
136 100

137 11.0 8.4 12.6

54 7.9 6.3 9.5

68 4.5 3.7 5.5

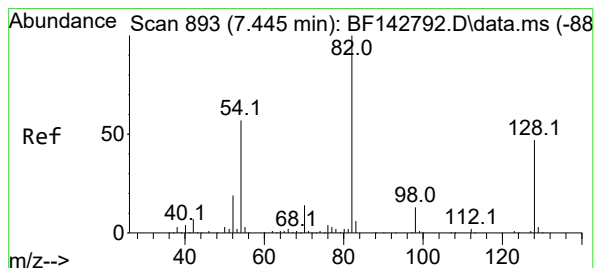
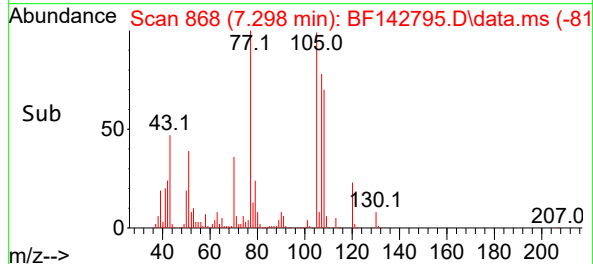
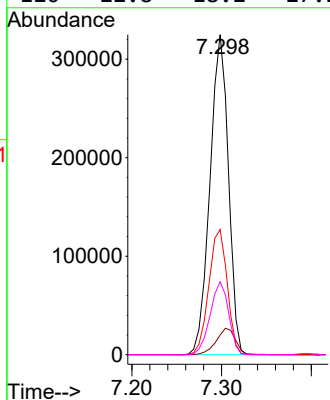
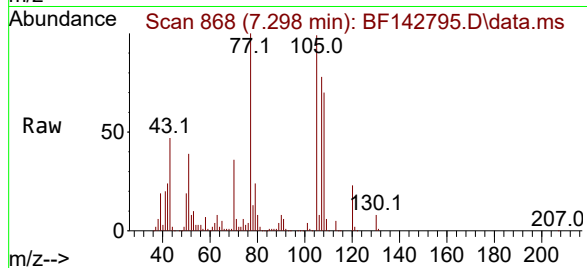




#22
Acetophenone
Concen: 73.349 ng
RT: 7.298 min Scan# 867
Delta R.T. 0.006 min
Lab File: BF142795.D
Acq: 19 Jun 2025 20:40

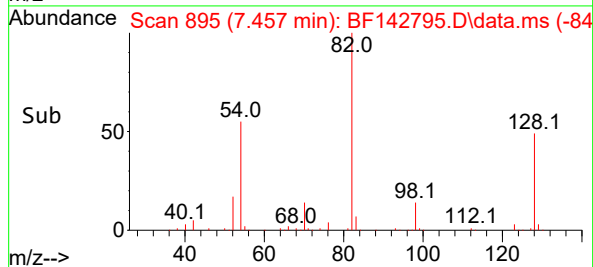
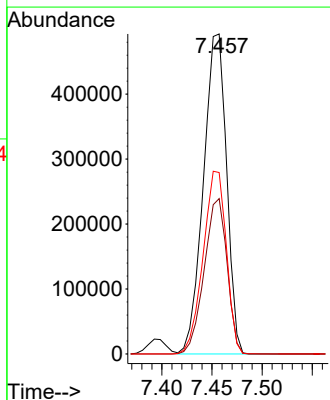
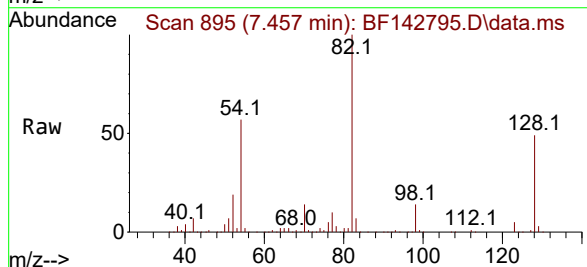
Instrument :
BNA_F
ClientSampleId :
SSTDICC080

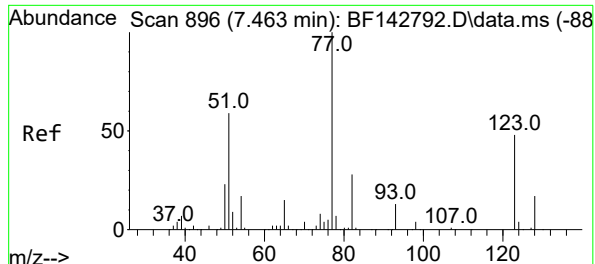
Tgt Ion:105 Resp: 463019
Ion Ratio Lower Upper
105 100
71 6.2 6.5 9.7#
51 39.1 29.8 44.8
120 22.8 18.2 27.2



#23
Nitrobenzene-d5
Concen: 152.234 ng
RT: 7.457 min Scan# 895
Delta R.T. 0.012 min
Lab File: BF142795.D
Acq: 19 Jun 2025 20:40

Tgt Ion: 82 Resp: 792380
Ion Ratio Lower Upper
82 100
128 48.5 37.7 56.5
54 56.7 45.7 68.5





#24

Nitrobenzene

Concen: 77.574 ng

RT: 7.475 min Scan# 896

Delta R.T. 0.012 min

Lab File: BF142795.D

Acq: 19 Jun 2025 20:40

Instrument :

BNA_F

ClientSampleId :

SSTDICC080

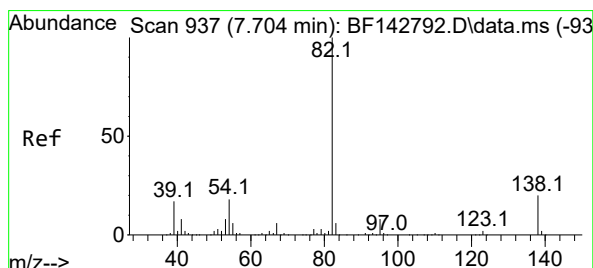
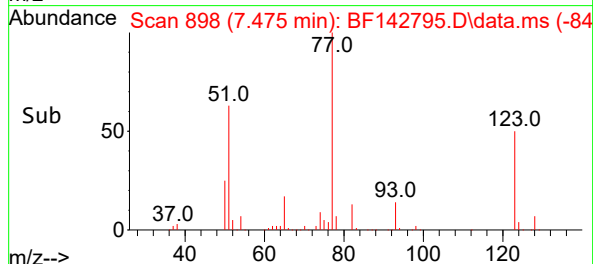
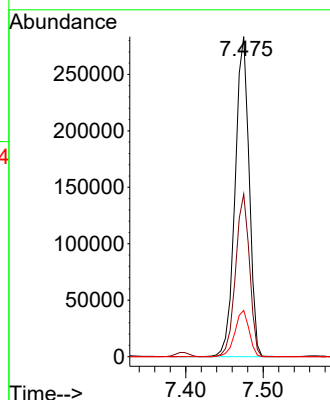
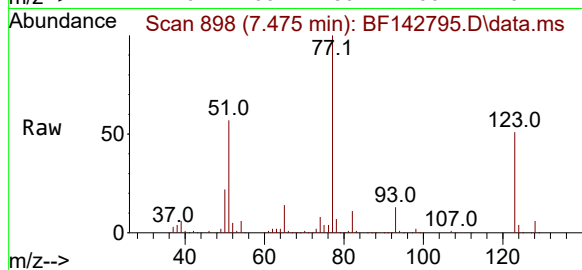
Tgt Ion: 77 Resp: 358834

Ion Ratio Lower Upper

77 100

123 50.8 39.2 58.8

65 14.4 11.6 17.4



#25

Isophorone

Concen: 72.447 ng

RT: 7.716 min Scan# 939

Delta R.T. 0.012 min

Lab File: BF142795.D

Acq: 19 Jun 2025 20:40

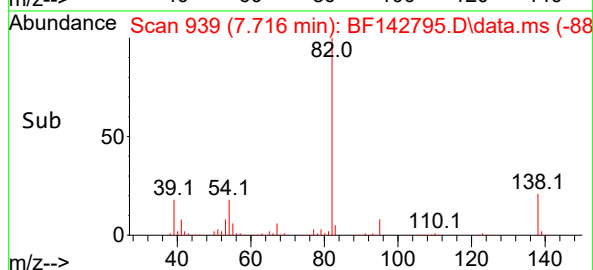
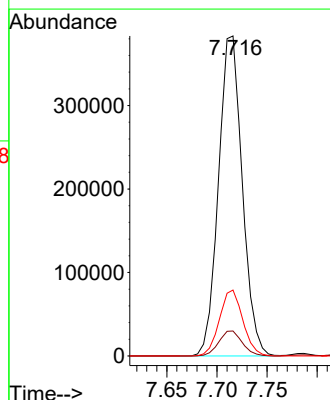
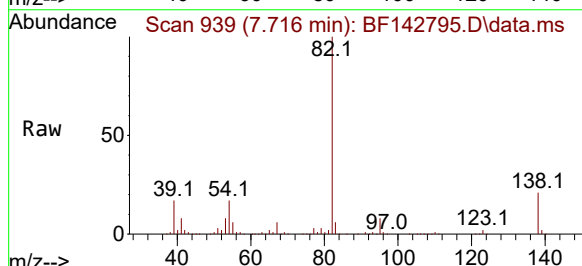
Tgt Ion: 82 Resp: 632390

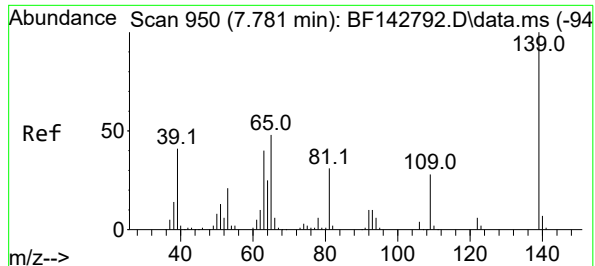
Ion Ratio Lower Upper

82 100

95 7.8 6.2 9.2

138 20.6 16.2 24.4

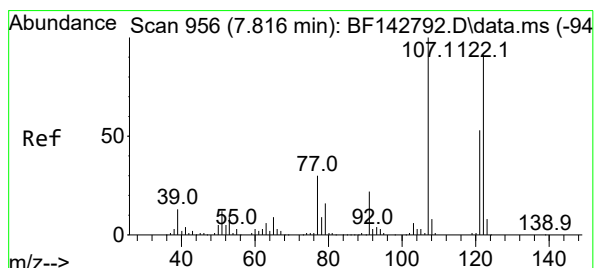
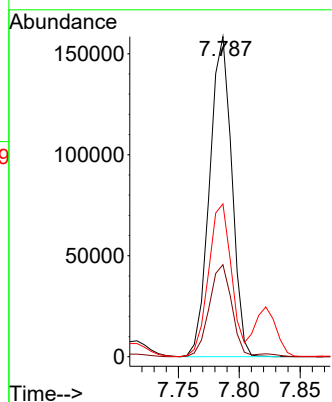
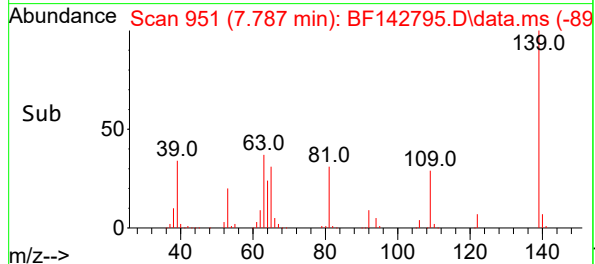
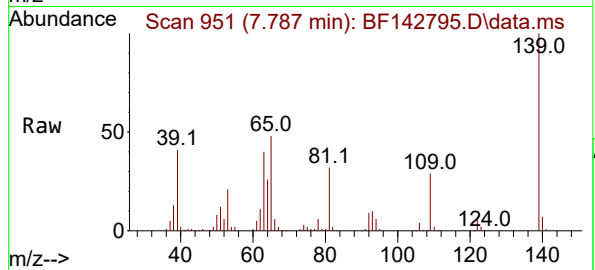




#26
2-Nitrophenol
Concen: 78.009 ng
RT: 7.787 min Scan# 91
Delta R.T. 0.006 min
Lab File: BF142795.D
Acq: 19 Jun 2025 20:40

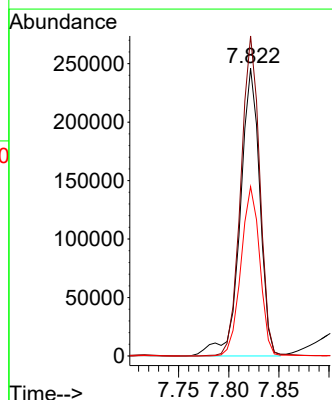
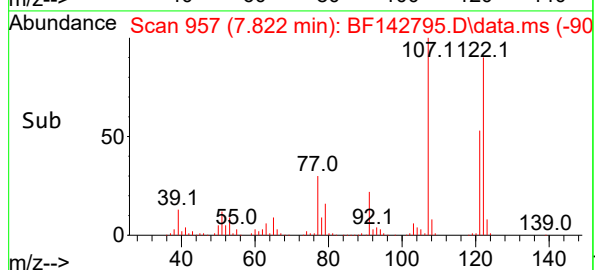
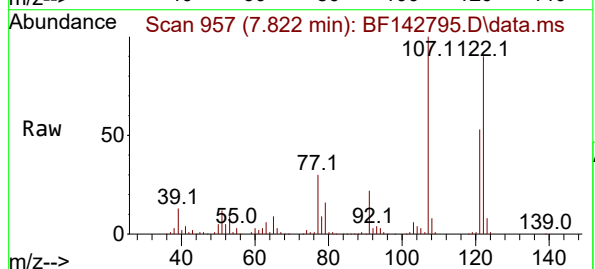
Instrument :
BNA_F
ClientSampleId :
SSTDICC080

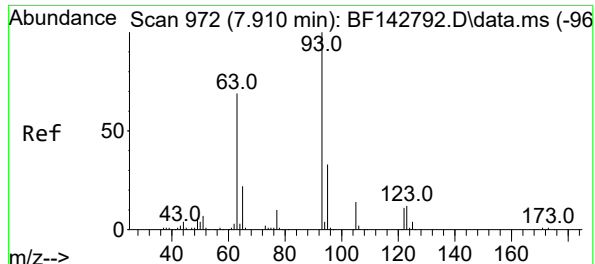
Tgt Ion:139 Resp: 201064
Ion Ratio Lower Upper
139 100
109 28.8 22.7 34.1
65 47.8 38.6 58.0



#27
2,4-Dimethylphenol
Concen: 76.518 ng
RT: 7.822 min Scan# 957
Delta R.T. 0.006 min
Lab File: BF142795.D
Acq: 19 Jun 2025 20:40

Tgt Ion:122 Resp: 335771
Ion Ratio Lower Upper
122 100
107 111.2 88.0 132.0
121 58.9 46.3 69.5





#28

bis(2-Chloroethoxy)methane

Concen: 73.793 ng

RT: 7.916 min Scan# 91

Delta R.T. 0.006 min

Lab File: BF142795.D

Acq: 19 Jun 2025 20:40

Instrument :

BNA_F

ClientSampleId :

SSTDICC080

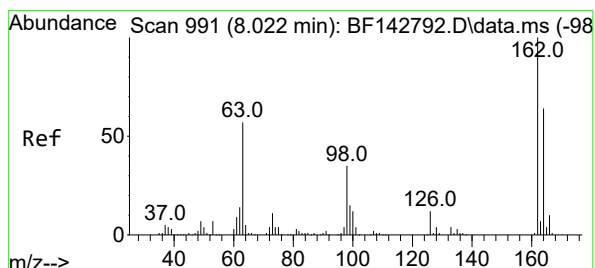
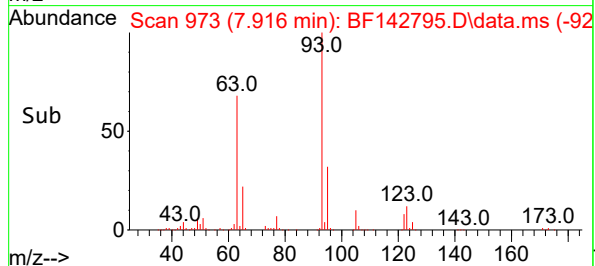
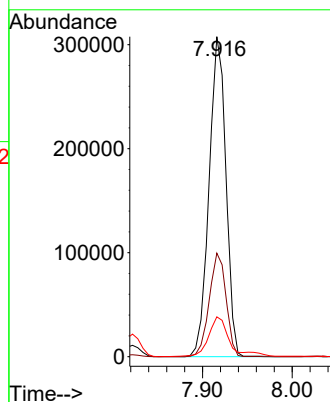
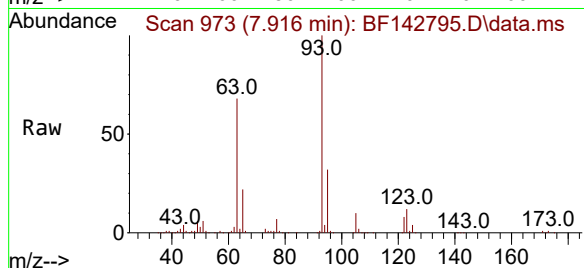
Tgt Ion: 93 Resp: 400973

Ion Ratio Lower Upper

93 100

95 32.3 26.2 39.2

123 12.4 9.9 14.9



#29

2,4-Dichlorophenol

Concen: 75.689 ng

RT: 8.028 min Scan# 992

Delta R.T. 0.006 min

Lab File: BF142795.D

Acq: 19 Jun 2025 20:40

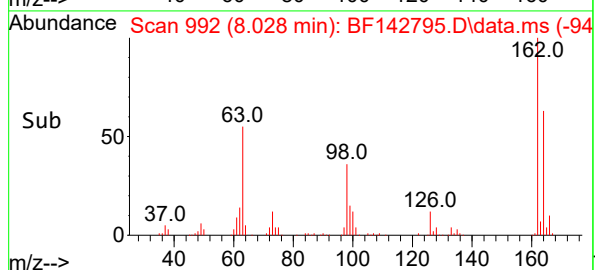
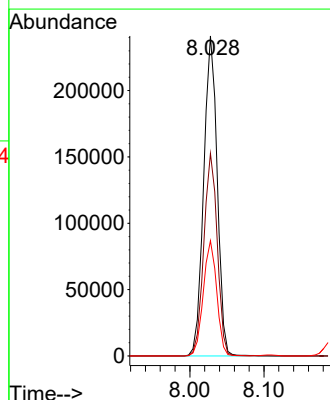
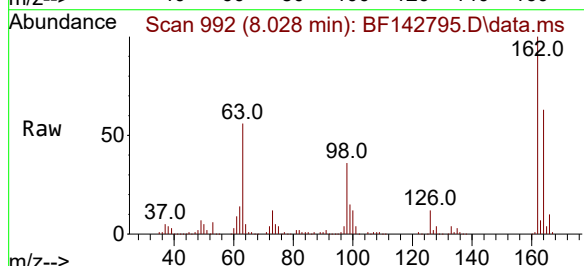
Tgt Ion:162 Resp: 306123

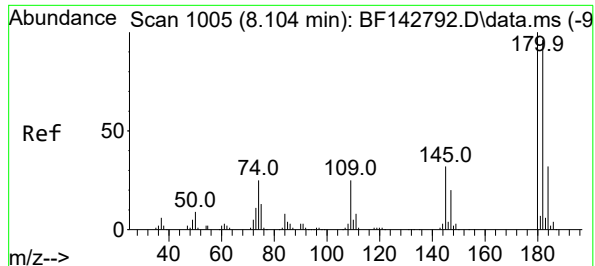
Ion Ratio Lower Upper

162 100

164 63.3 44.0 84.0

98 36.0 15.4 55.4





#30

1,2,4-Trichlorobenzene

Concen: 74.472 ng

RT: 8.110 min Scan# 1006

Delta R.T. 0.006 min

Lab File: BF142795.D

Acq: 19 Jun 2025 20:40

Instrument :

BNA_F

ClientSampleId :

SSTDICC080

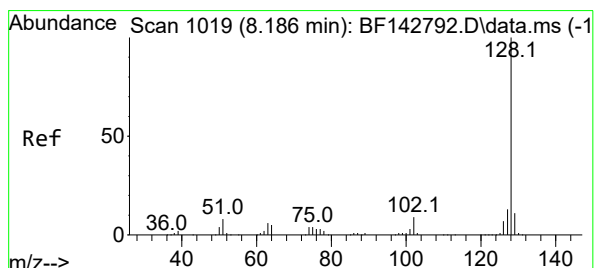
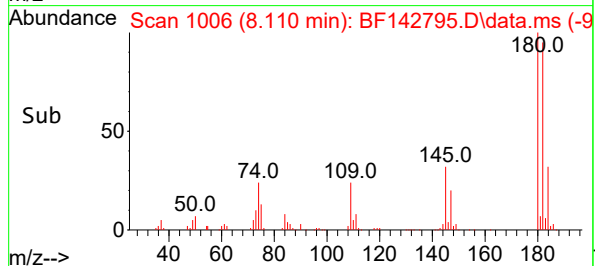
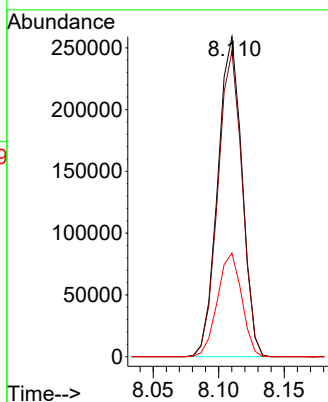
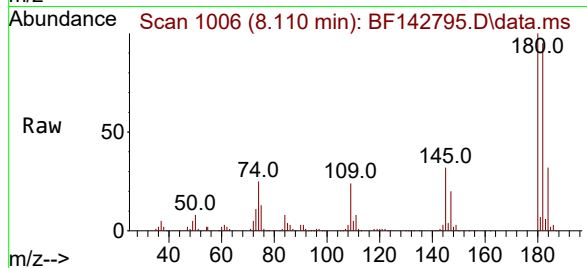
Tgt Ion:180 Resp: 332721

Ion Ratio Lower Upper

180 100

182 95.4 76.4 114.6

145 32.3 25.8 38.8



#31

Naphthalene

Concen: 73.342 ng

RT: 8.192 min Scan# 1020

Delta R.T. 0.006 min

Lab File: BF142795.D

Acq: 19 Jun 2025 20:40

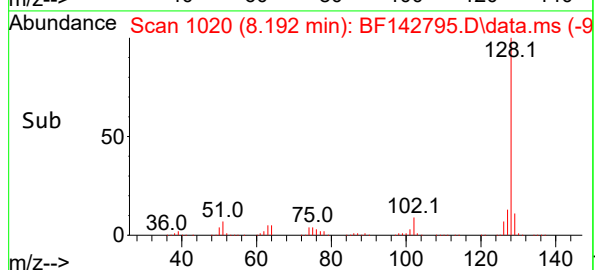
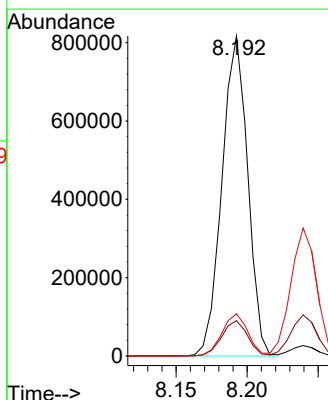
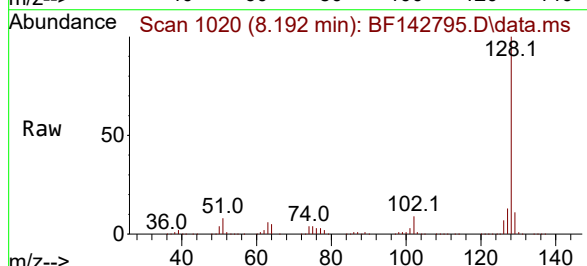
Tgt Ion:128 Resp: 1029082

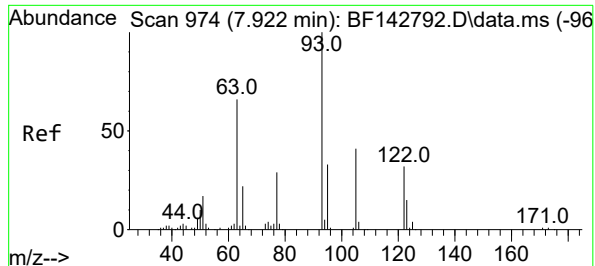
Ion Ratio Lower Upper

128 100

129 11.1 8.9 13.3

127 13.2 10.4 15.6

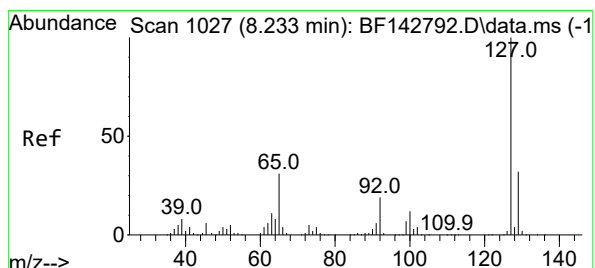
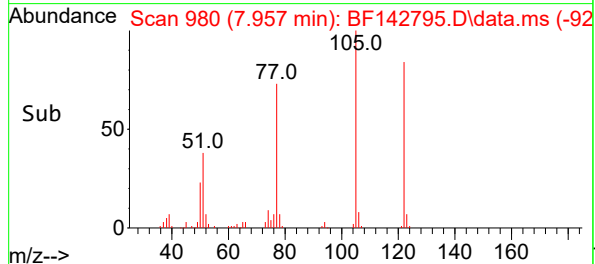
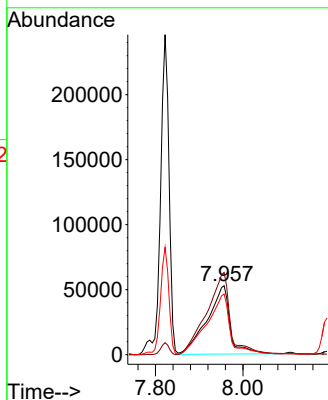
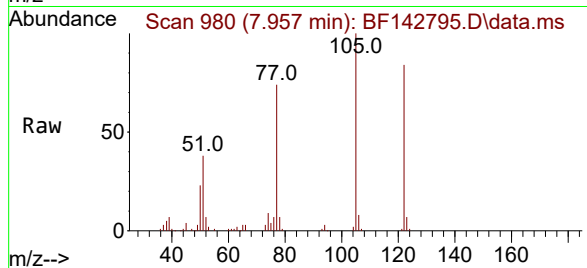




#32
Benzoic acid
Concen: 79.082 ng
RT: 7.957 min Scan# 91
Delta R.T. 0.035 min
Lab File: BF142795.D
Acq: 19 Jun 2025 20:40

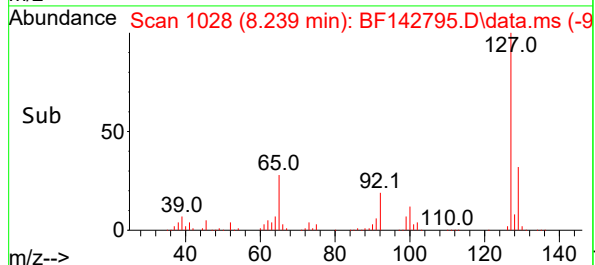
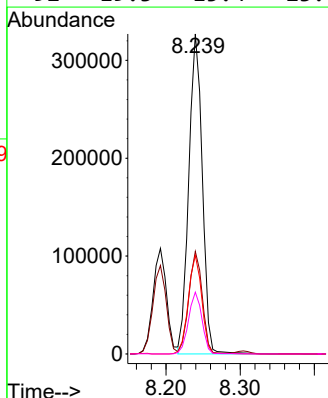
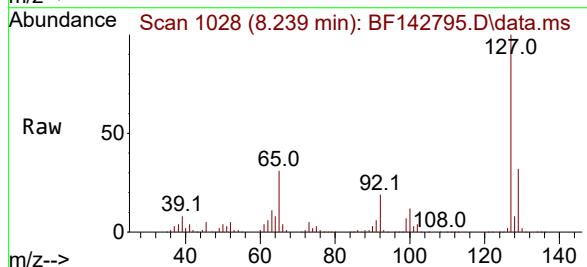
Instrument :
BNA_F
ClientSampleId :
SSTDICC080

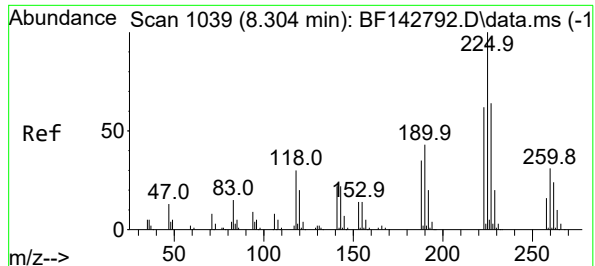
Tgt Ion:122 Resp: 192536
Ion Ratio Lower Upper
122 100
105 119.5 104.7 144.7
77 88.0 70.2 110.2



#33
4-Chloroaniline
Concen: 73.608 ng
RT: 8.239 min Scan# 1028
Delta R.T. 0.006 min
Lab File: BF142795.D
Acq: 19 Jun 2025 20:40

Tgt Ion:127 Resp: 413911
Ion Ratio Lower Upper
127 100
129 32.1 25.9 38.9
65 30.8 24.6 36.8
92 19.3 15.4 23.0





#34

Hexachlorobutadiene

Concen: 72.088 ng

RT: 8.304 min Scan# 1039

Delta R.T. 0.000 min

Lab File: BF142795.D

Acq: 19 Jun 2025 20:40

Instrument :

BNA_F

ClientSampleId :

SSTDICC080

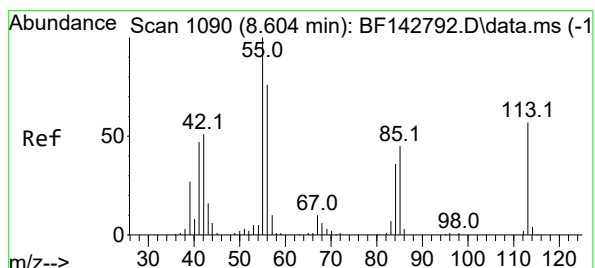
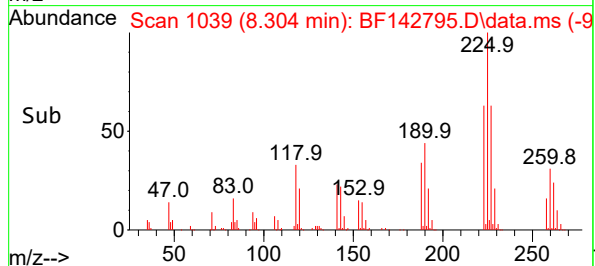
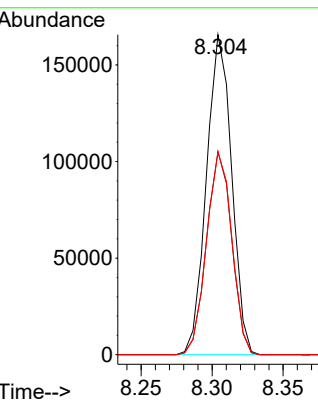
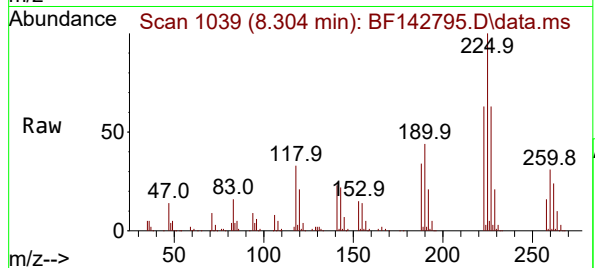
Tgt Ion:225 Resp: 204081

Ion Ratio Lower Upper

225 100

223 63.4 49.9 74.9

227 63.5 51.4 77.0



#35

Caprolactam

Concen: 71.952 ng

RT: 8.628 min Scan# 1094

Delta R.T. 0.024 min

Lab File: BF142795.D

Acq: 19 Jun 2025 20:40

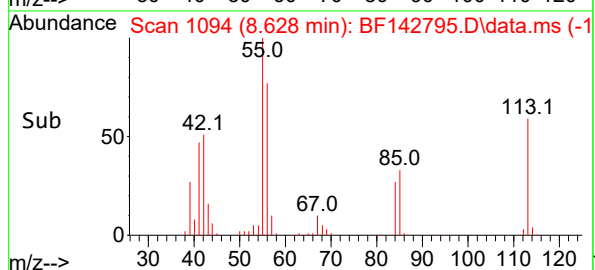
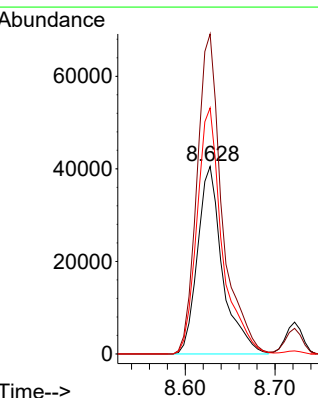
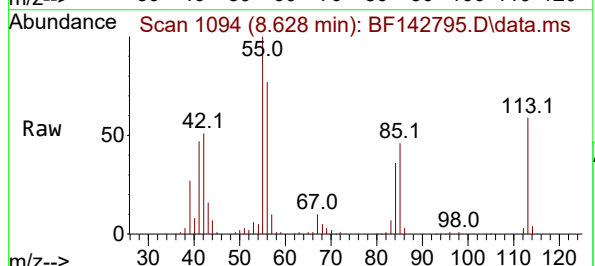
Tgt Ion:113 Resp: 78302

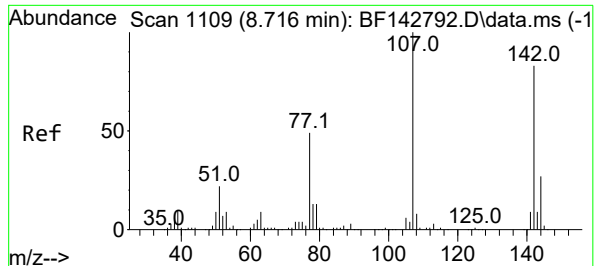
Ion Ratio Lower Upper

113 100

55 170.6 154.4 194.4

56 131.2 112.1 152.1

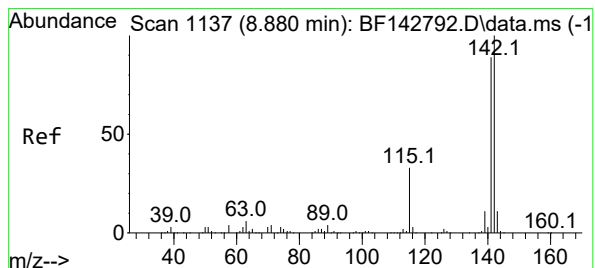
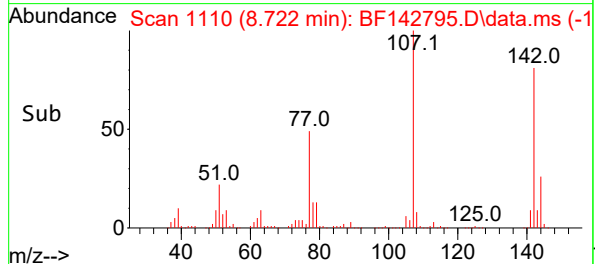
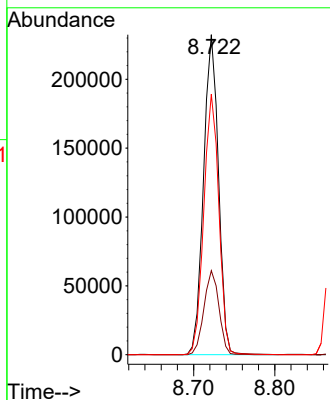
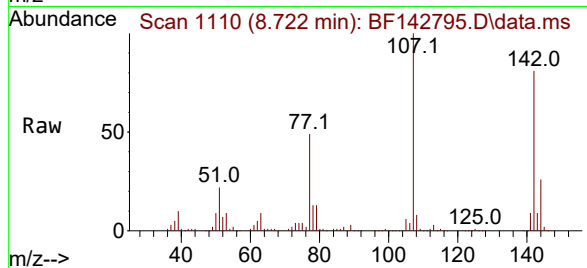




#36
4-Chloro-3-methylphenol
Concen: 70.974 ng
RT: 8.722 min Scan# 1110
Delta R.T. 0.006 min
Lab File: BF142795.D
Acq: 19 Jun 2025 20:40

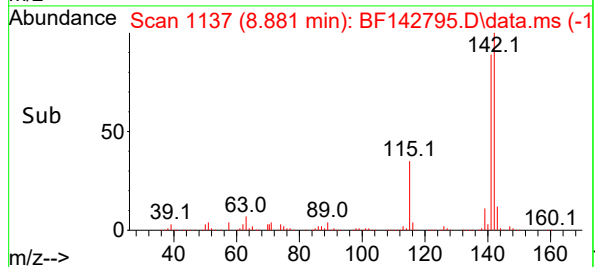
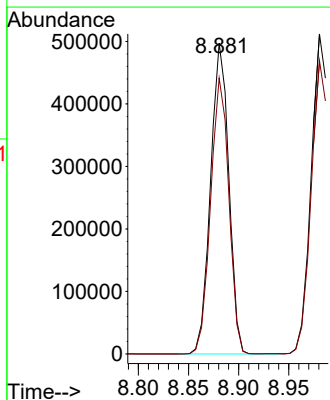
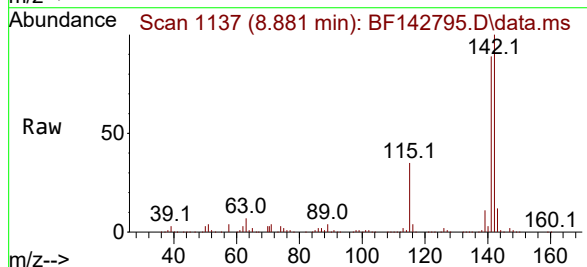
Instrument :
BNA_F
ClientSampleId :
SSTDICC080

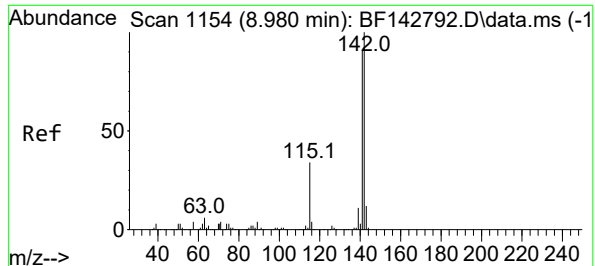
Tgt Ion:107 Resp: 296520
Ion Ratio Lower Upper
107 100
144 26.2 21.3 31.9
142 81.4 66.6 100.0



#37
2-Methylnaphthalene
Concen: 70.857 ng
RT: 8.881 min Scan# 1137
Delta R.T. 0.000 min
Lab File: BF142795.D
Acq: 19 Jun 2025 20:40

Tgt Ion:142 Resp: 627195
Ion Ratio Lower Upper
142 100
141 88.8 70.9 106.3





#38

1-Methylnaphthalene

Concen: 69.952 ng

RT: 8.981 min Scan# 1154

Delta R.T. 0.000 min

Lab File: BF142795.D

Acq: 19 Jun 2025 20:40

Instrument :

BNA_F

ClientSampleId :

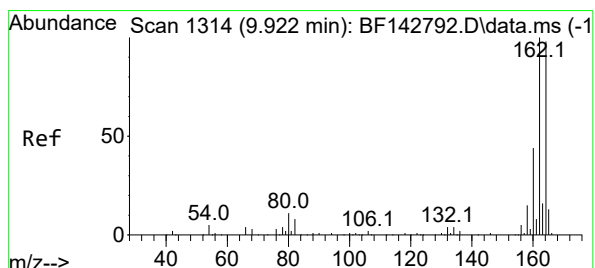
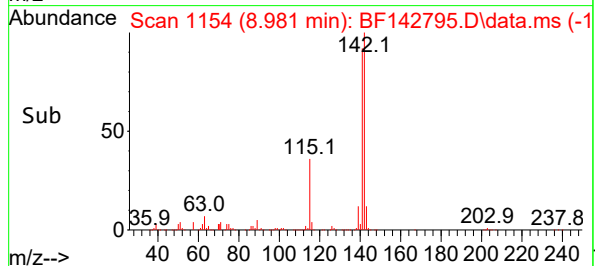
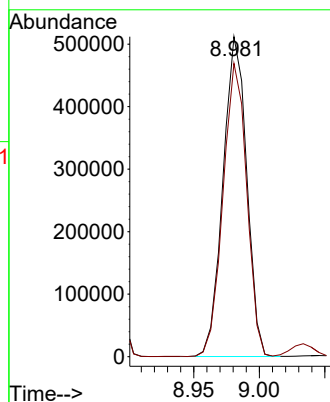
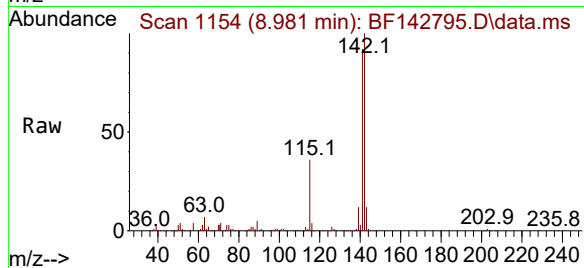
SSTDICC080

Tgt Ion:142 Resp: 642853

Ion Ratio Lower Upper

142 100

141 91.7 73.0 109.4



#39

Acenaphthene-d10

Concen: 20.000 ng

RT: 9.928 min Scan# 1315

Delta R.T. 0.006 min

Lab File: BF142795.D

Acq: 19 Jun 2025 20:40

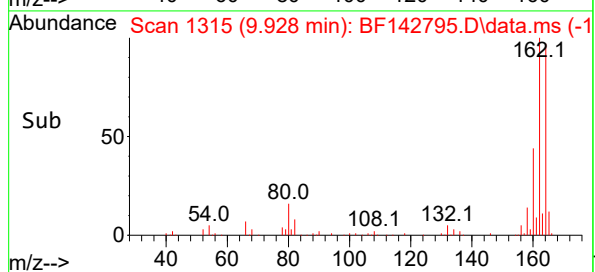
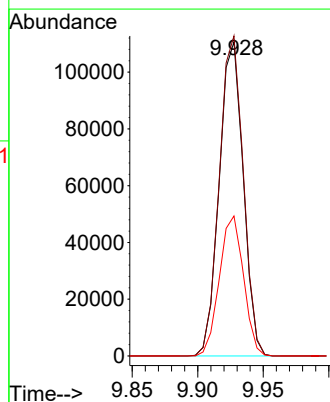
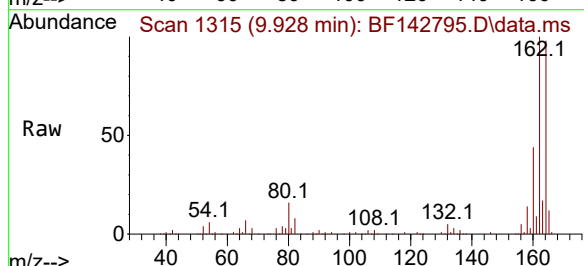
Tgt Ion:164 Resp: 140262

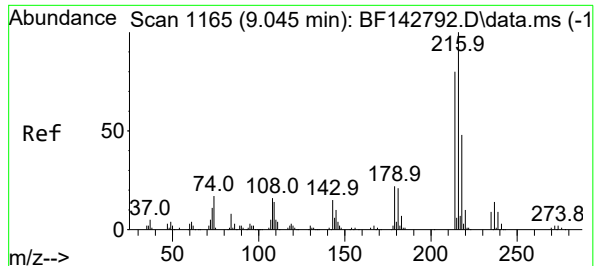
Ion Ratio Lower Upper

164 100

162 101.9 81.8 122.8

160 44.6 36.0 54.0

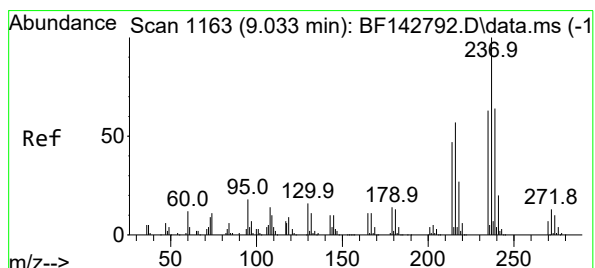
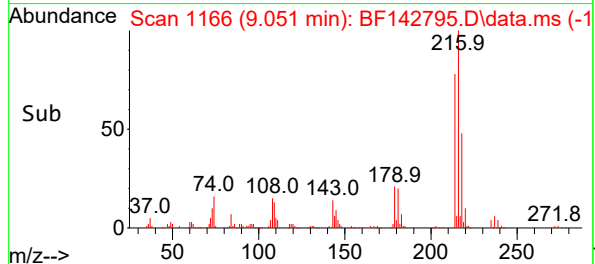
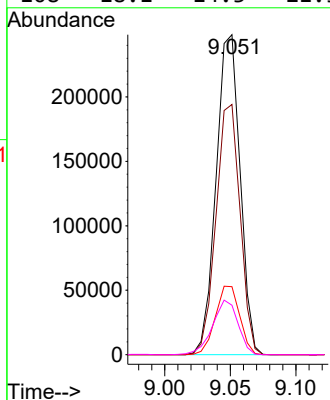
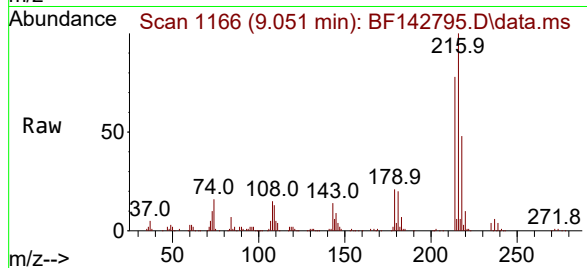




#40
1,2,4,5-Tetrachlorobenzene
Concen: 78.028 ng
RT: 9.051 min Scan# 1166
Delta R.T. 0.006 min
Lab File: BF142795.D
Acq: 19 Jun 2025 20:40

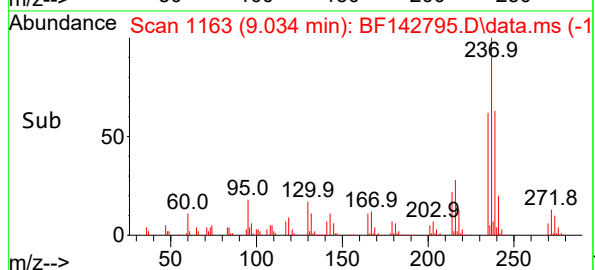
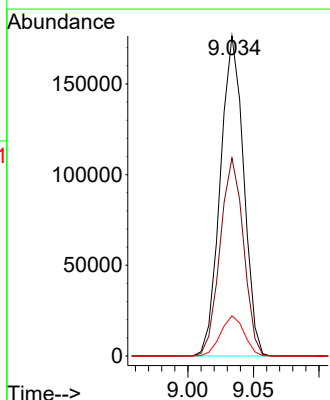
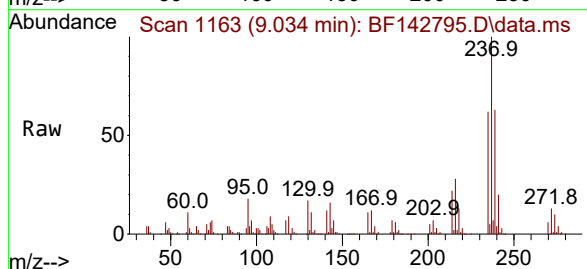
Instrument :
BNA_F
ClientSampleId :
SSTDICC080

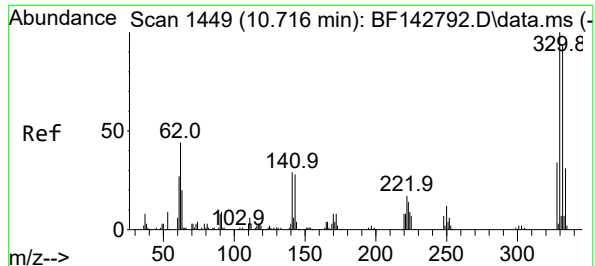
Tgt Ion:216 Resp: 315930
Ion Ratio Lower Upper
216 100
214 78.5 63.7 95.5
179 21.7 17.6 26.4
108 18.1 14.3 21.5



#41
Hexachlorocyclopentadiene
Concen: 85.183 ng
RT: 9.034 min Scan# 1163
Delta R.T. 0.000 min
Lab File: BF142795.D
Acq: 19 Jun 2025 20:40

Tgt Ion:237 Resp: 218091
Ion Ratio Lower Upper
237 100
235 61.9 43.4 83.4
272 12.6 0.0 32.7





#42

2,4,6-Tribromophenol

Concen: 137.823 ng

RT: 10.722 min Scan# 1449

Delta R.T. 0.006 min

Lab File: BF142795.D

Acq: 19 Jun 2025 20:40

Instrument :

BNA_F

ClientSampleId :

SSTDICC080

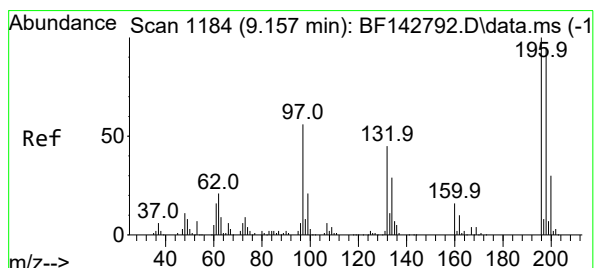
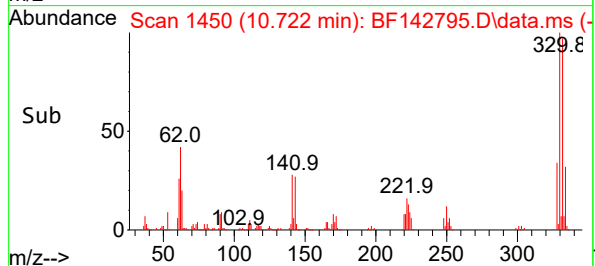
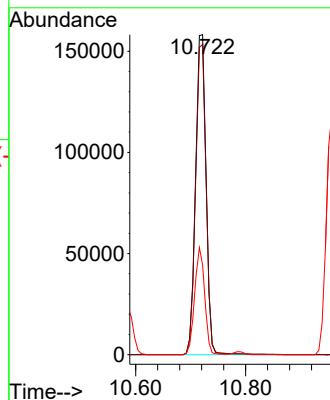
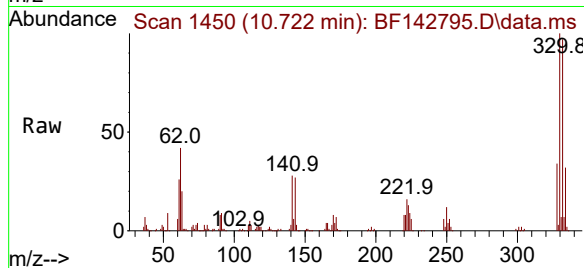
Tgt Ion:330 Resp: 210092

Ion Ratio Lower Upper

330 100

332 96.7 75.0 112.6

141 31.9 25.3 37.9



#43

2,4,6-Trichlorophenol

Concen: 79.375 ng

RT: 9.163 min Scan# 1185

Delta R.T. 0.006 min

Lab File: BF142795.D

Acq: 19 Jun 2025 20:40

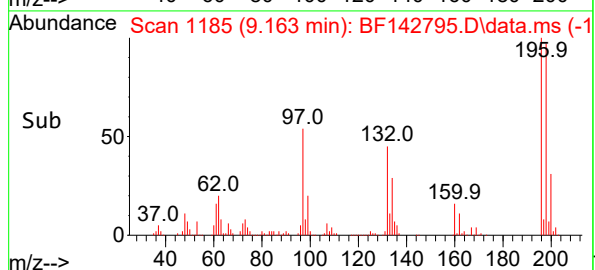
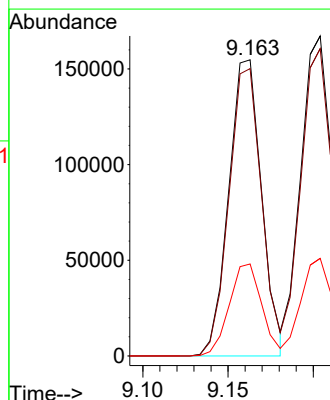
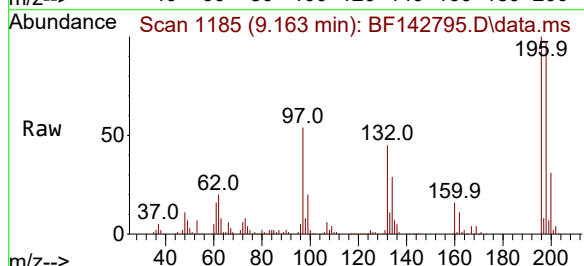
Tgt Ion:196 Resp: 207984

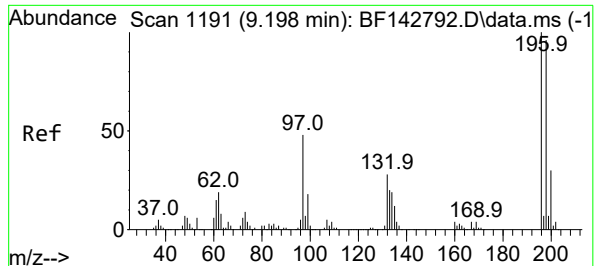
Ion Ratio Lower Upper

196 100

198 97.1 76.2 114.2

200 31.1 24.1 36.1





#44

2,4,5-Trichlorophenol

Concen: 76.993 ng

RT: 9.204 min Scan# 1191

Delta R.T. 0.006 min

Lab File: BF142795.D

Acq: 19 Jun 2025 20:40

Instrument :

BNA_F

ClientSampleId :

SSTDICC080

Tgt Ion:196 Resp: 217860

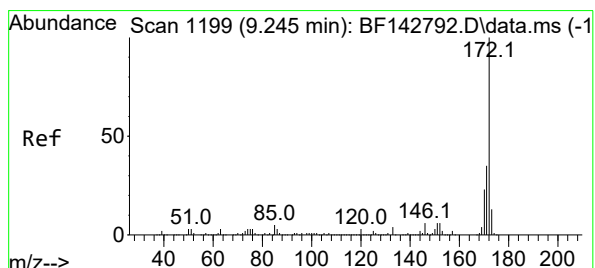
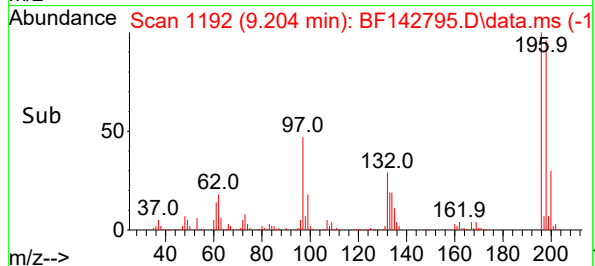
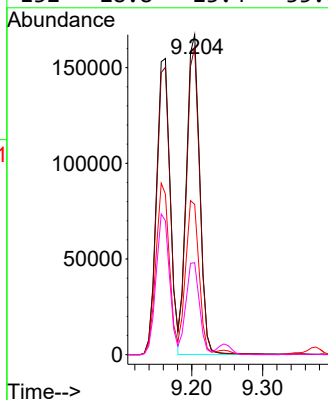
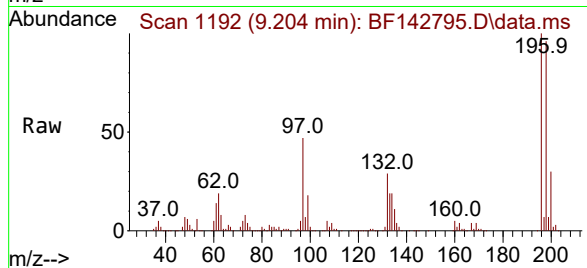
Ion Ratio Lower Upper

196 100

198 96.1 76.6 115.0

97 47.0 38.2 57.2

132 28.8 23.4 35.0



#45

2-Fluorobiphenyl

Concen: 143.770 ng

RT: 9.245 min Scan# 1199

Delta R.T. 0.000 min

Lab File: BF142795.D

Acq: 19 Jun 2025 20:40

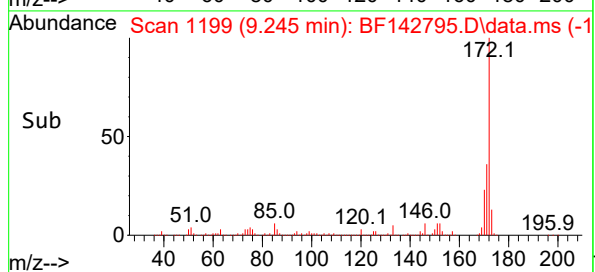
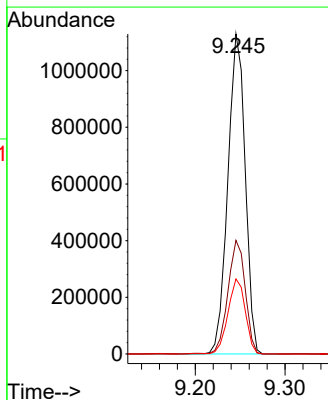
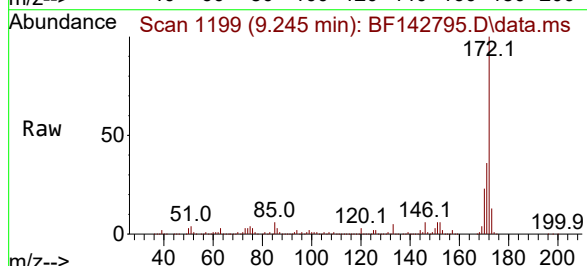
Tgt Ion:172 Resp: 1515847

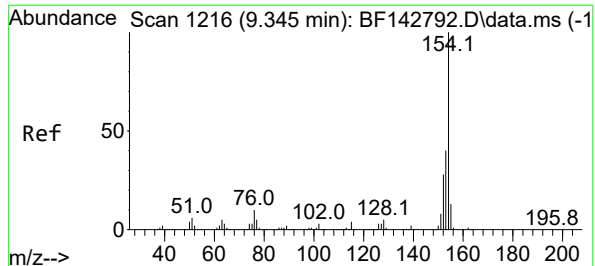
Ion Ratio Lower Upper

172 100

171 35.5 28.2 42.4

170 23.5 18.5 27.7





#46

1,1'-Biphenyl

Concen: 75.525 ng

RT: 9.345 min Scan# 11

Delta R.T. 0.000 min

Lab File: BF142795.D

Acq: 19 Jun 2025 20:40

Instrument :

BNA_F

ClientSampleId :

SSTDICC080

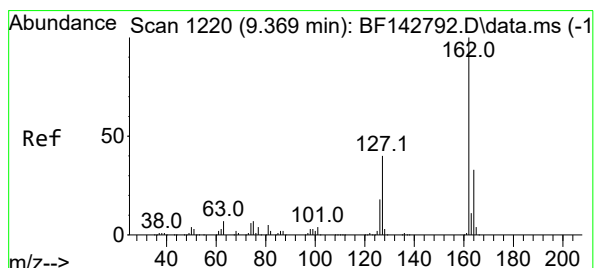
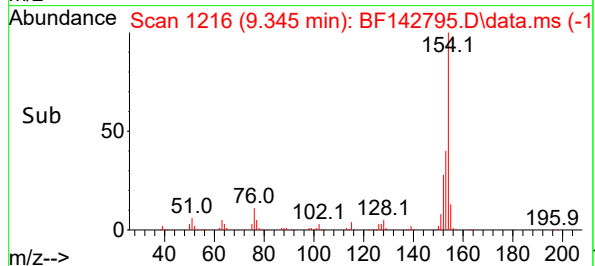
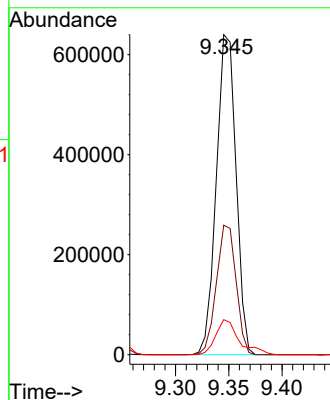
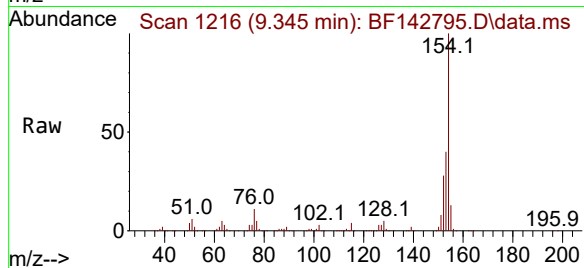
Tgt Ion:154 Resp: 822529

Ion Ratio Lower Upper

154 100

153 40.4 20.3 60.3

76 10.9 0.0 30.3



#47

2-Chloronaphthalene

Concen: 77.199 ng

RT: 9.375 min Scan# 1221

Delta R.T. 0.006 min

Lab File: BF142795.D

Acq: 19 Jun 2025 20:40

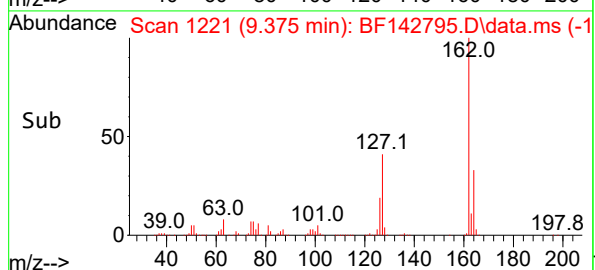
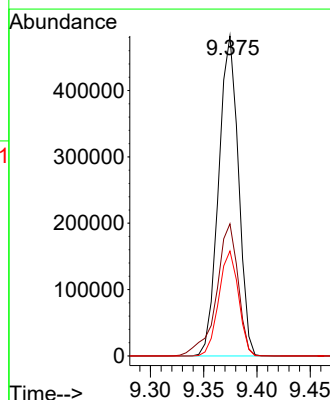
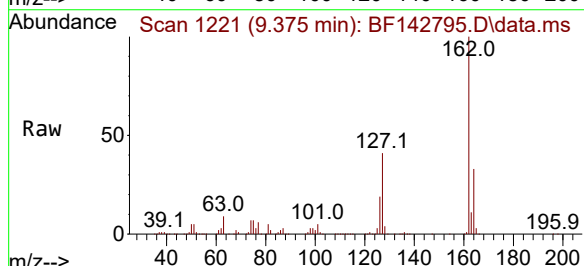
Tgt Ion:162 Resp: 620399

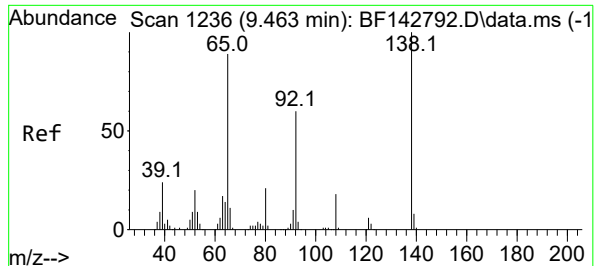
Ion Ratio Lower Upper

162 100

127 41.3 32.2 48.2

164 32.8 26.1 39.1

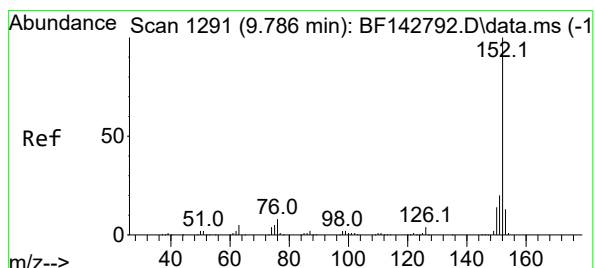
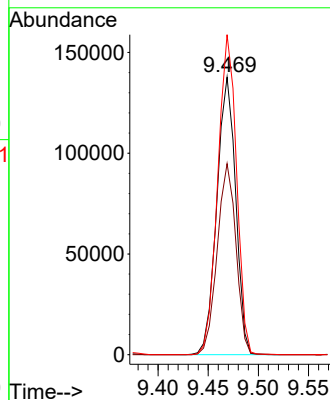
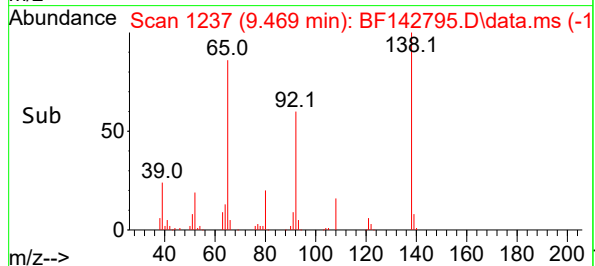
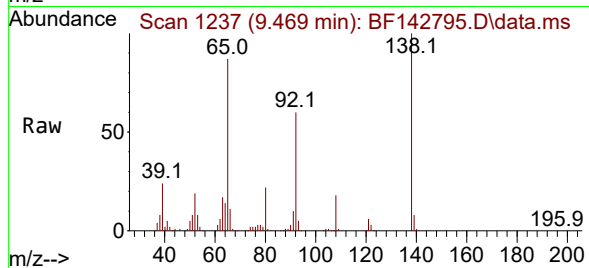




#48
2-Nitroaniline
Concen: 78.716 ng
RT: 9.469 min Scan# 1236
Delta R.T. 0.006 min
Lab File: BF142795.D
Acq: 19 Jun 2025 20:40

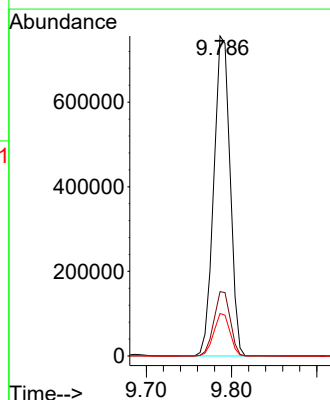
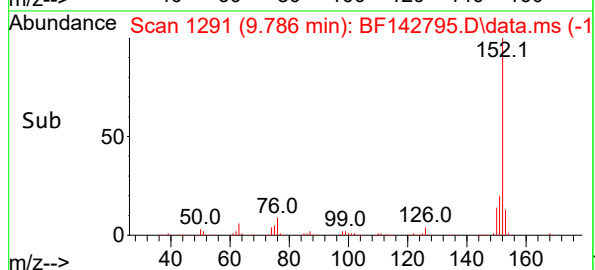
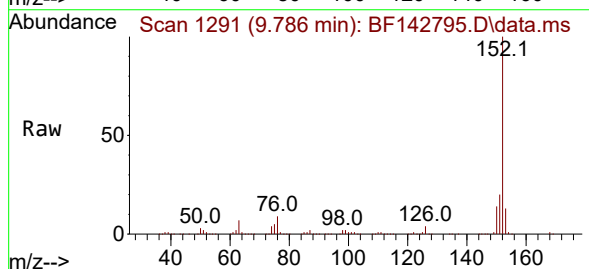
Instrument :
BNA_F
ClientSampleId :
SSTDICC080

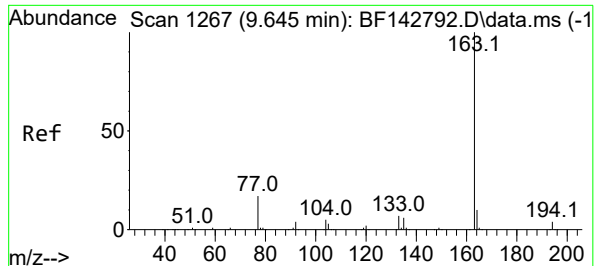
Tgt Ion: 65 Resp: 179718
Ion Ratio Lower Upper
65 100
92 68.8 53.8 80.6
138 115.3 89.6 134.4



#49
Acenaphthylene
Concen: 74.207 ng
RT: 9.786 min Scan# 1291
Delta R.T. 0.000 min
Lab File: BF142795.D
Acq: 19 Jun 2025 20:40

Tgt Ion: 152 Resp: 1002569
Ion Ratio Lower Upper
152 100
151 20.1 16.1 24.1
153 13.2 10.4 15.6





#50

Dimethylphthalate

Concen: 71.510 ng

RT: 9.651 min Scan# 1268

Delta R.T. 0.006 min

Lab File: BF142795.D

Acq: 19 Jun 2025 20:40

Instrument :

BNA_F

ClientSampleId :

SSTDICC080

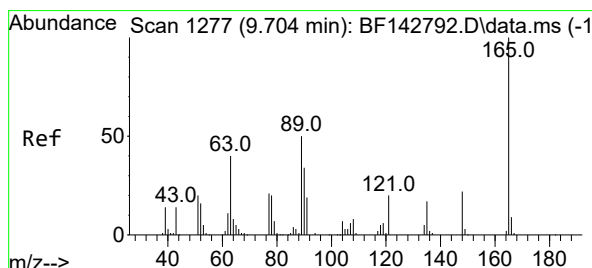
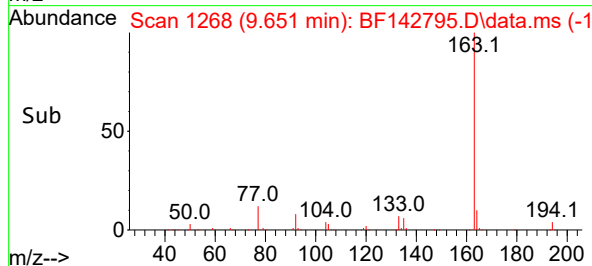
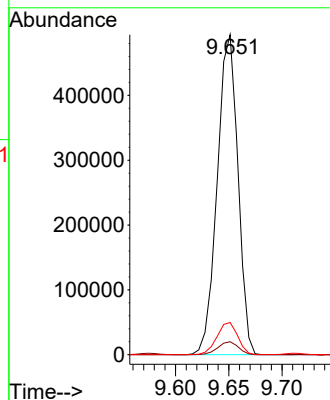
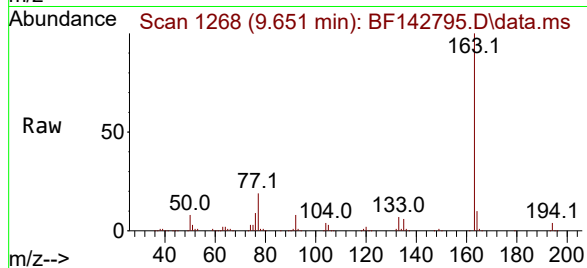
Tgt Ion:163 Resp: 665322

Ion Ratio Lower Upper

163 100

194 4.1 3.3 4.9

164 10.1 8.0 12.0



#51

2,6-Dinitrotoluene

Concen: 74.654 ng

RT: 9.710 min Scan# 1278

Delta R.T. 0.006 min

Lab File: BF142795.D

Acq: 19 Jun 2025 20:40

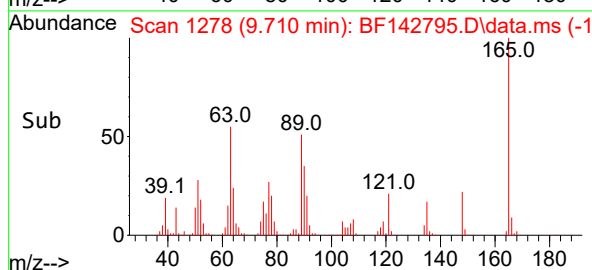
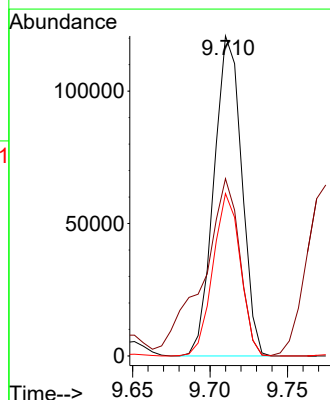
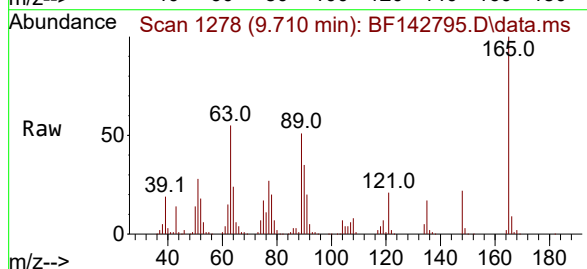
Tgt Ion:165 Resp: 150567

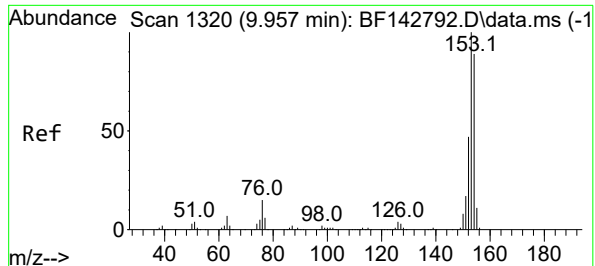
Ion Ratio Lower Upper

165 100

63 55.4 44.2 66.4

89 50.8 39.8 59.8

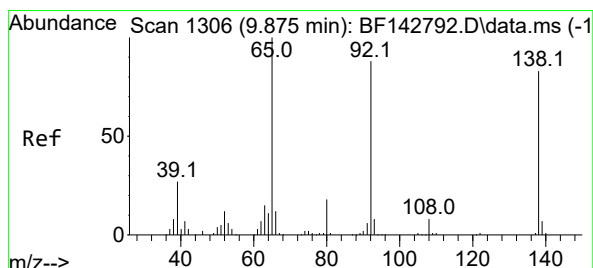
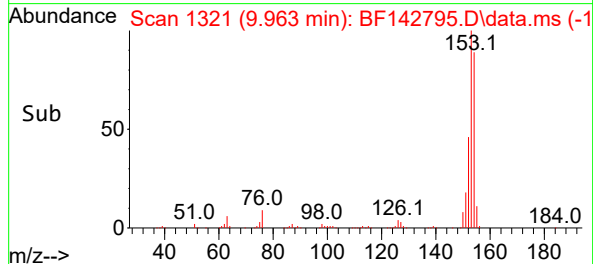
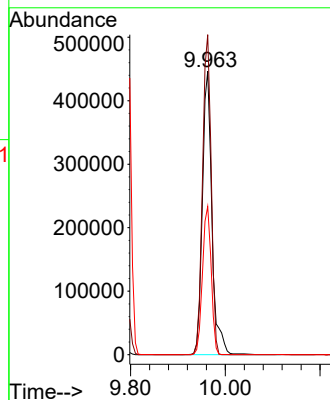
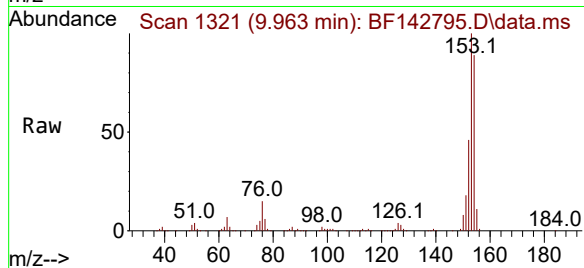




#52
Acenaphthene
Concen: 74.322 ng
RT: 9.963 min Scan# 1321
Delta R.T. 0.006 min
Lab File: BF142795.D
Acq: 19 Jun 2025 20:40

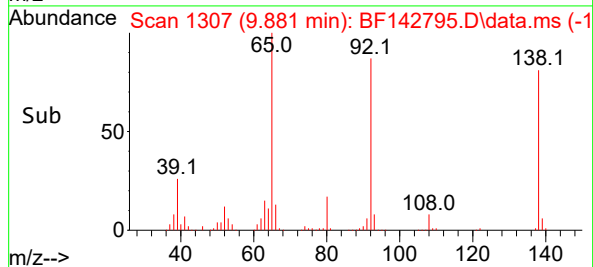
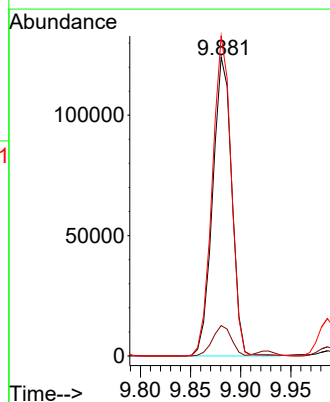
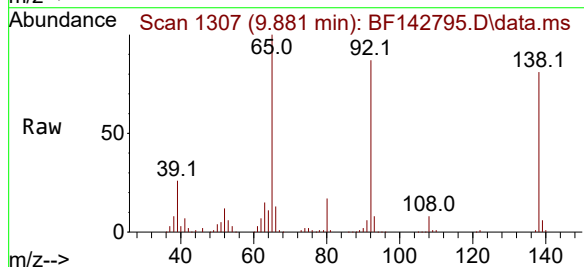
Instrument :
BNA_F
ClientSampleId :
SSTDICC080

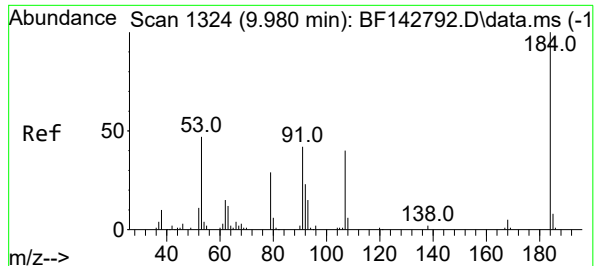
Tgt Ion:154 Resp: 621336
Ion Ratio Lower Upper
154 100
153 112.9 90.0 135.0
152 52.3 41.9 62.9



#53
3-Nitroaniline
Concen: 74.903 ng
RT: 9.881 min Scan# 1307
Delta R.T. 0.006 min
Lab File: BF142795.D
Acq: 19 Jun 2025 20:40

Tgt Ion:138 Resp: 164090
Ion Ratio Lower Upper
138 100
108 10.2 8.1 12.1
92 107.1 85.1 127.7





#54

2,4-Dinitrophenol

Concen: 78.050 ng

RT: 9.986 min Scan# 1

Delta R.T. 0.006 min

Lab File: BF142795.D

Acq: 19 Jun 2025 20:40

Instrument :

BNA_F

ClientSampleId :

SSTDICC080

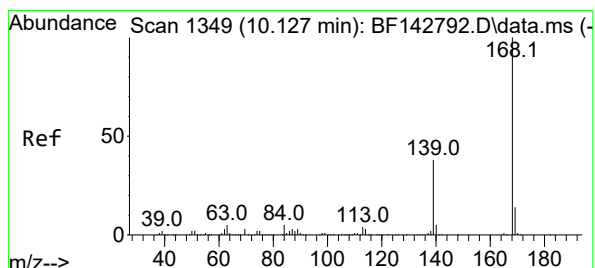
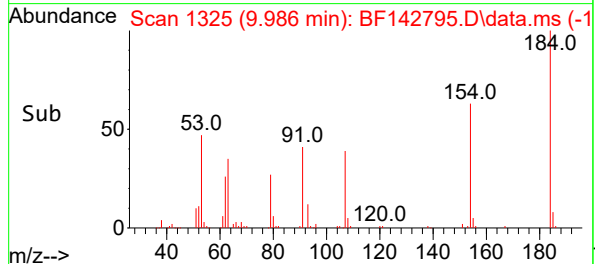
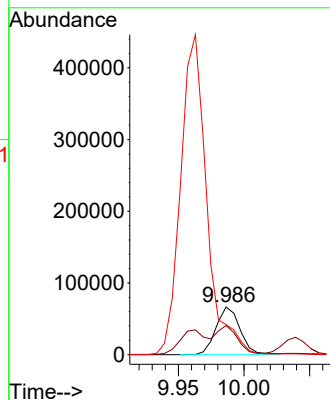
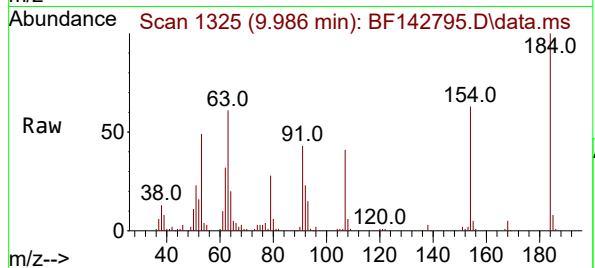
Tgt Ion:184 Resp: 85185

Ion Ratio Lower Upper

184 100

63 61.0 50.6 75.8

154 63.1 51.8 77.8



#55

Dibenzofuran

Concen: 72.277 ng

RT: 10.133 min Scan# 1350

Delta R.T. 0.006 min

Lab File: BF142795.D

Acq: 19 Jun 2025 20:40

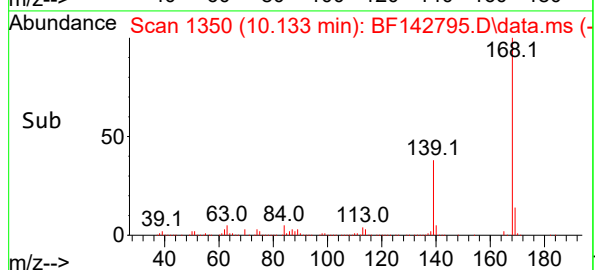
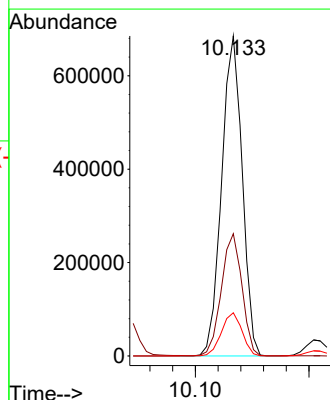
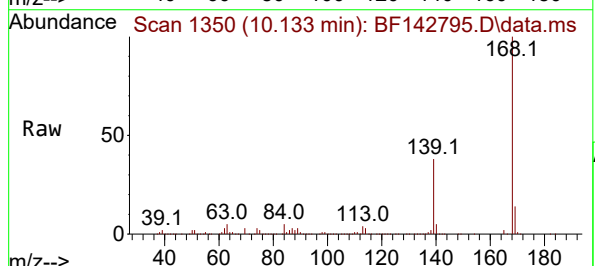
Tgt Ion:168 Resp: 862110

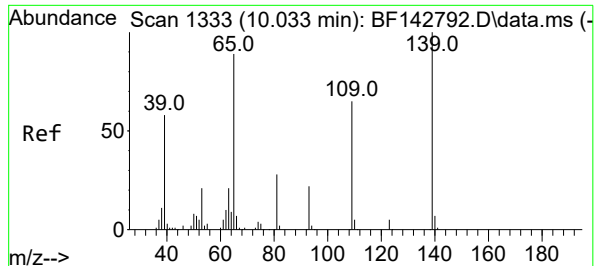
Ion Ratio Lower Upper

168 100

139 38.2 30.2 45.4

169 13.5 10.8 16.2

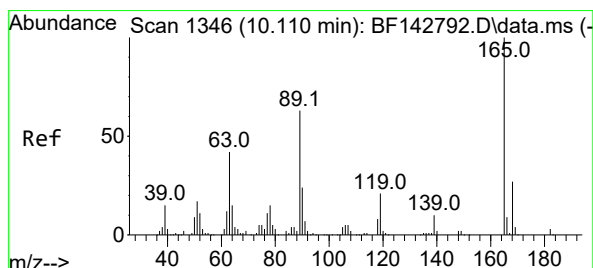
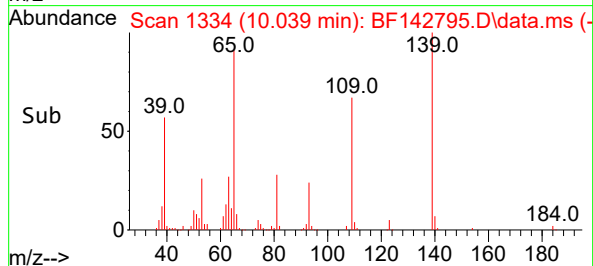
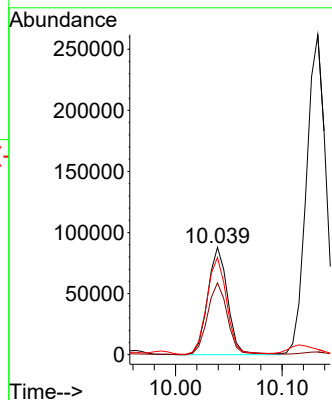
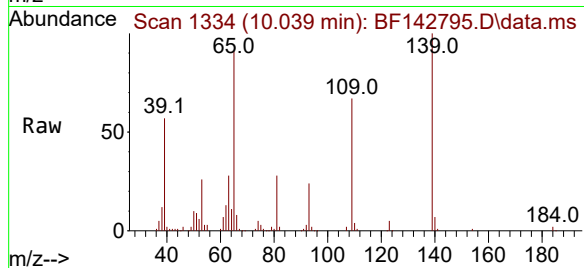




#56
4-Nitrophenol
Concen: 76.771 ng
RT: 10.039 min Scan# 11
Delta R.T. 0.006 min
Lab File: BF142795.D
Acq: 19 Jun 2025 20:40

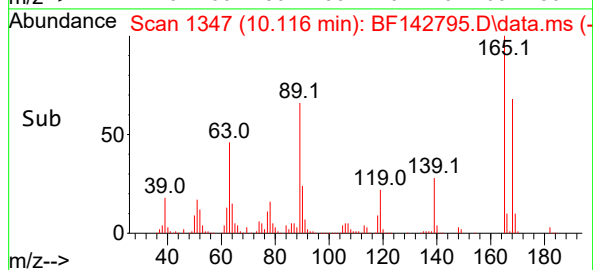
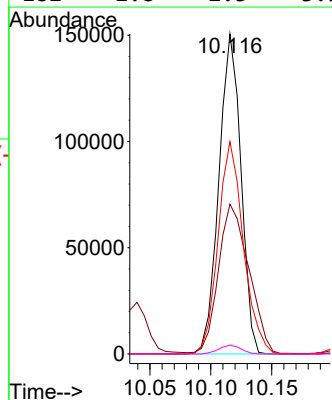
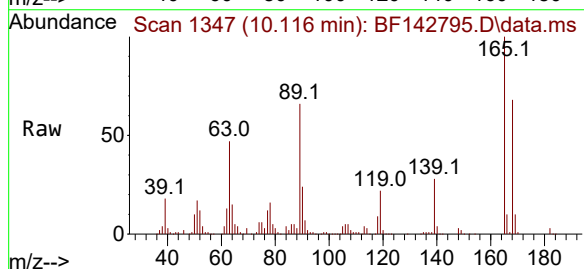
Instrument :
BNA_F
ClientSampleId :
SSTDICC080

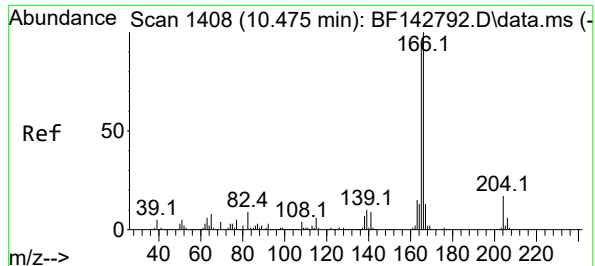
Tgt Ion:139 Resp: 114163
Ion Ratio Lower Upper
139 100
109 67.0 44.7 84.7
65 90.7 69.8 109.8



#57
2,4-Dinitrotoluene
Concen: 71.128 ng
RT: 10.116 min Scan# 1347
Delta R.T. 0.006 min
Lab File: BF142795.D
Acq: 19 Jun 2025 20:40

Tgt Ion:165 Resp: 189684
Ion Ratio Lower Upper
165 100
63 46.8 33.9 50.9
89 66.3 50.6 75.8
182 2.8 2.3 3.5

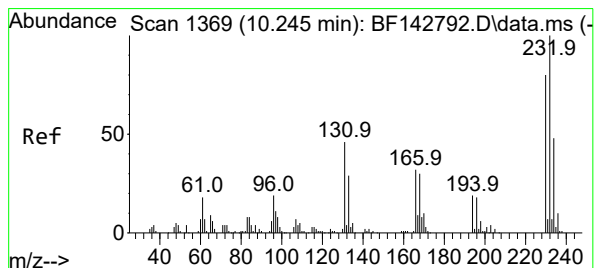
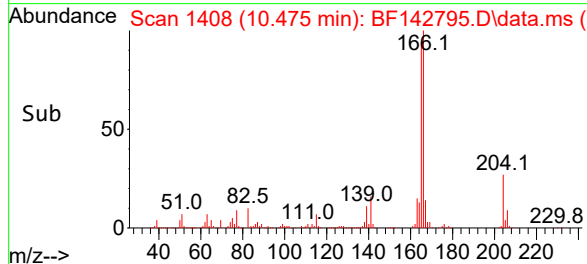
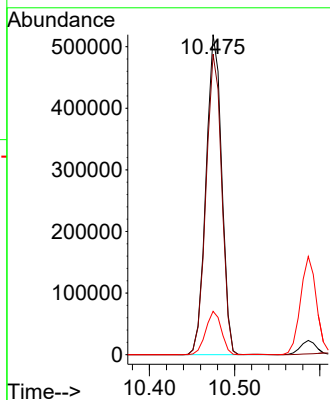
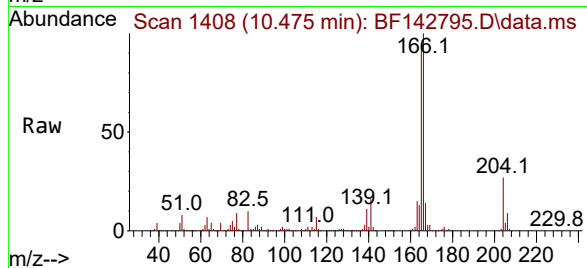




#58
Fluorene
Concen: 70.475 ng
RT: 10.475 min Scan# 1408
Delta R.T. 0.000 min
Lab File: BF142795.D
Acq: 19 Jun 2025 20:40

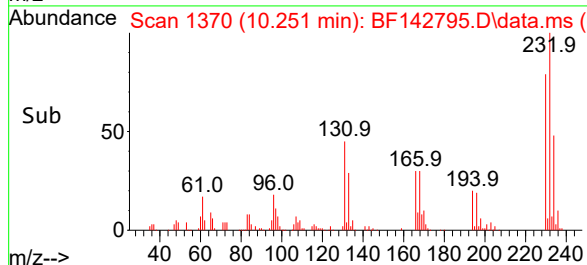
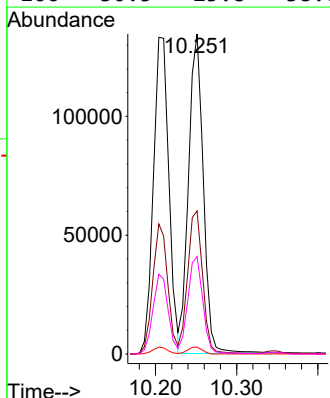
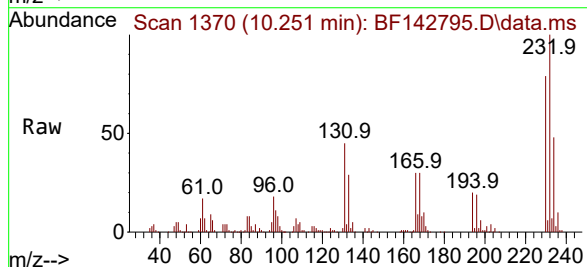
Instrument :
BNA_F
ClientSampleId :
SSTDICC080

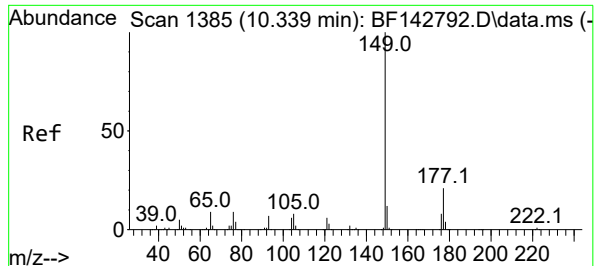
Tgt Ion:	166	Resp:	663463
Ion Ratio	Lower	Upper	
166	100		
165	93.9	75.2	112.8
167	13.5	10.6	15.8



#59
2,3,4,6-Tetrachlorophenol
Concen: 71.850 ng
RT: 10.251 min Scan# 1370
Delta R.T. 0.006 min
Lab File: BF142795.D
Acq: 19 Jun 2025 20:40

Tgt Ion:	232	Resp:	170453
Ion Ratio	Lower	Upper	
232	100		
131	45.0	37.6	56.4
130	2.1	1.7	2.5
166	30.5	25.8	38.6

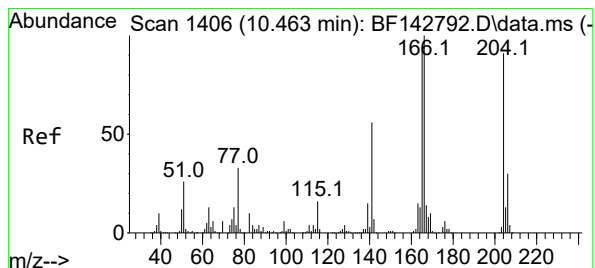
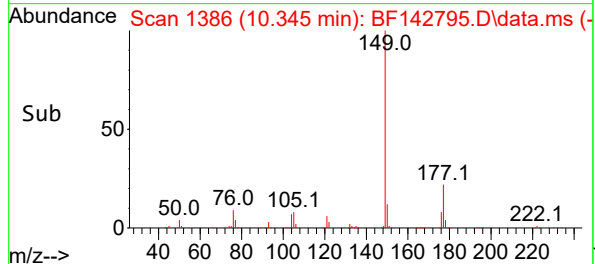
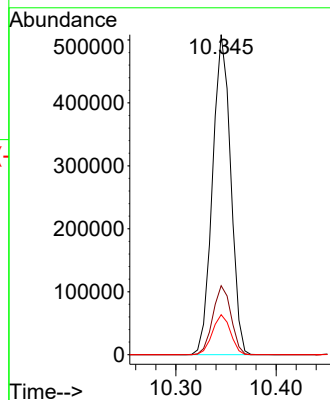
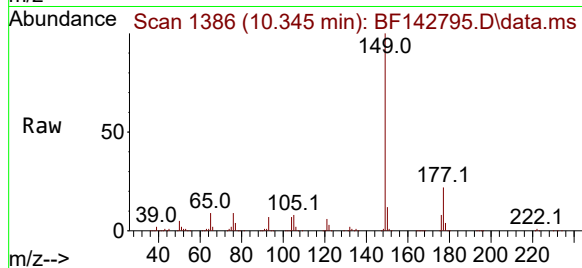




#60
Diethylphthalate
Concen: 69.265 ng
RT: 10.345 min Scan# 1386
Delta R.T. 0.006 min
Lab File: BF142795.D
Acq: 19 Jun 2025 20:40

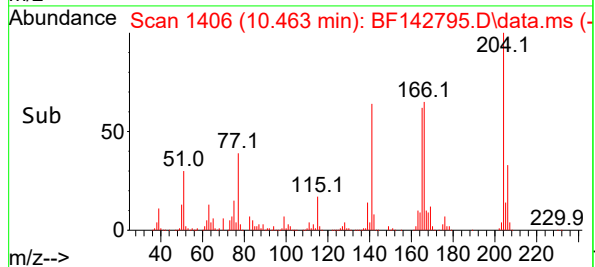
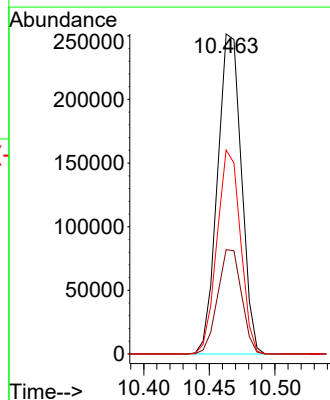
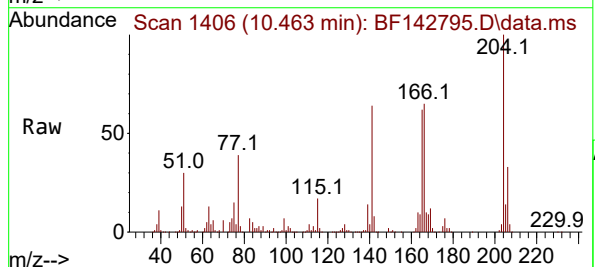
Instrument :
BNA_F
ClientSampleId :
SSTDICC080

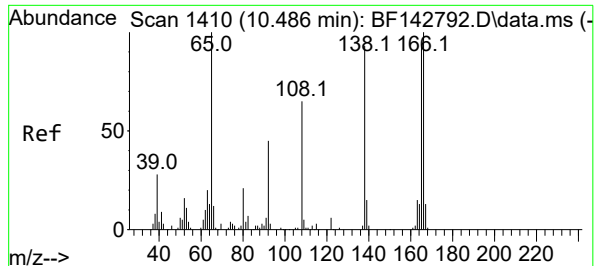
Tgt Ion:149 Resp: 640148
Ion Ratio Lower Upper
149 100
177 21.6 17.0 25.6
150 12.5 9.8 14.6



#61
4-Chlorophenyl-phenylether
Concen: 69.722 ng
RT: 10.463 min Scan# 1406
Delta R.T. 0.000 min
Lab File: BF142795.D
Acq: 19 Jun 2025 20:40

Tgt Ion:204 Resp: 318782
Ion Ratio Lower Upper
204 100
206 32.6 26.3 39.5
141 63.8 49.1 73.7





#62

4-Nitroaniline

Concen: 75.193 ng

RT: 10.498 min Scan# 1410

Delta R.T. 0.012 min

Lab File: BF142795.D

Acq: 19 Jun 2025 20:40

Instrument :

BNA_F

ClientSampleId :

SSTDICC080

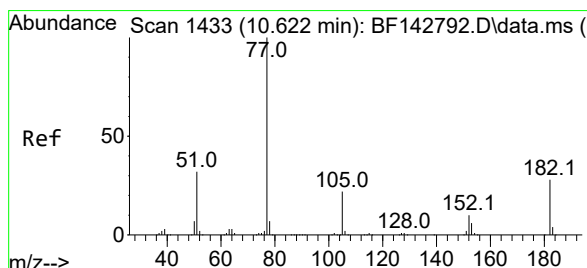
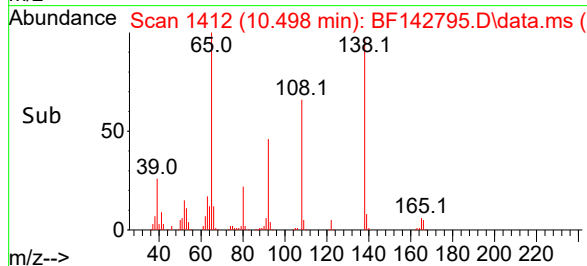
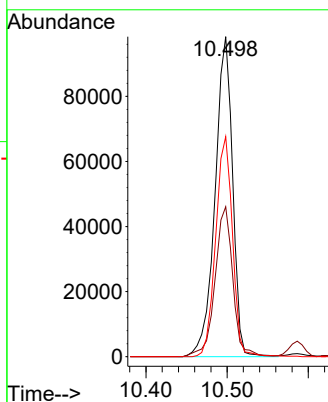
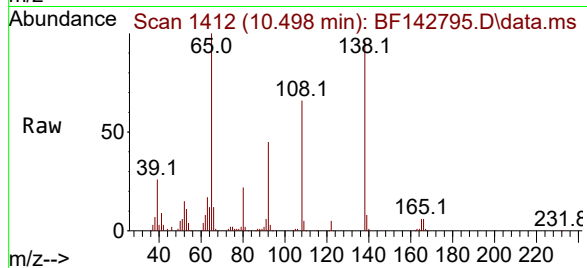
Tgt Ion:138 Resp: 147879

Ion Ratio Lower Upper

138 100

92 46.8 28.4 68.4

108 68.8 50.2 90.2



#63

Azobenzene

Concen: 71.659 ng

RT: 10.628 min Scan# 1434

Delta R.T. 0.006 min

Lab File: BF142795.D

Acq: 19 Jun 2025 20:40

Tgt Ion: 77 Resp: 578765

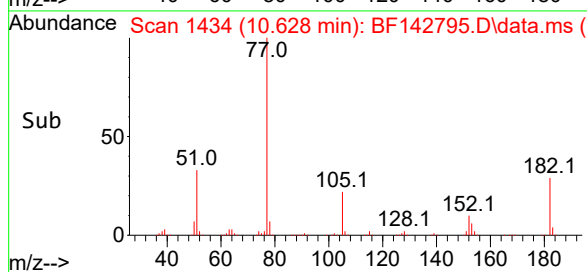
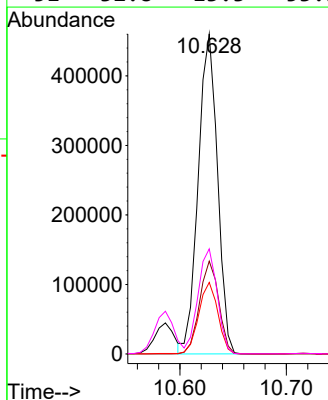
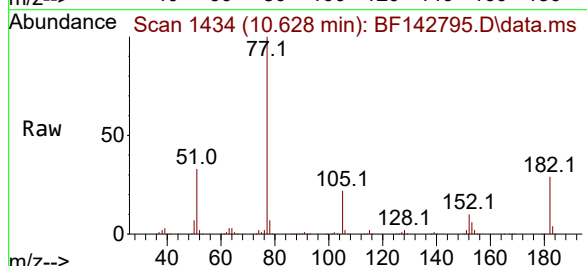
Ion Ratio Lower Upper

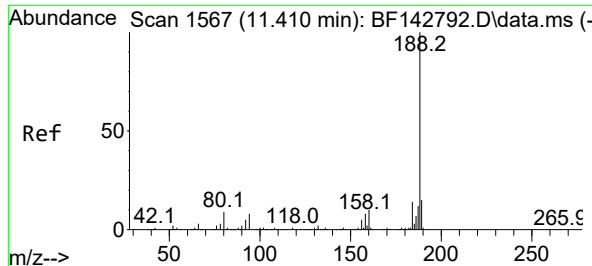
77 100

182 29.0 7.7 47.7

105 22.4 1.9 41.9

51 32.8 13.3 53.3

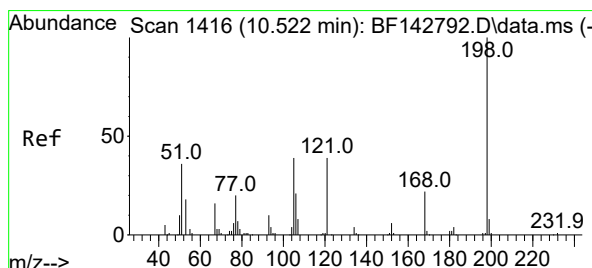
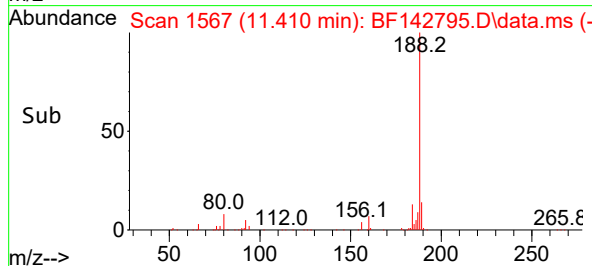
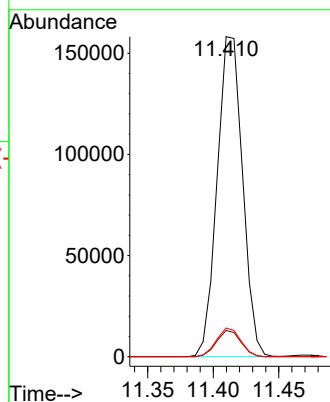
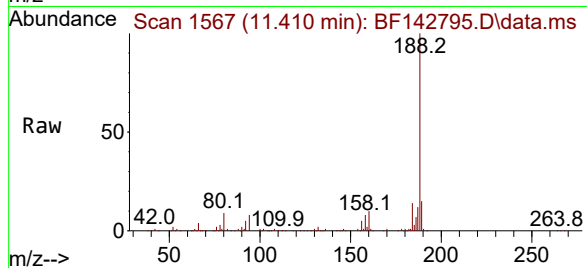




#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.410 min Scan# 11
Delta R.T. 0.000 min
Lab File: BF142795.D
Acq: 19 Jun 2025 20:40

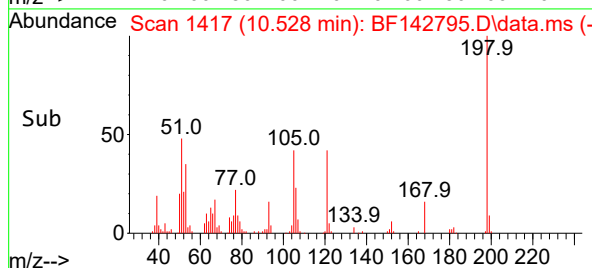
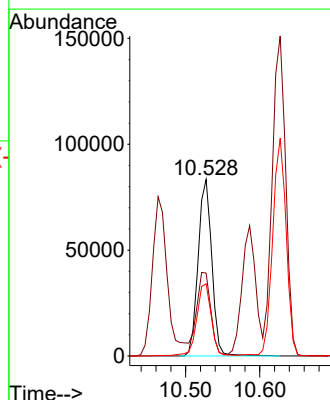
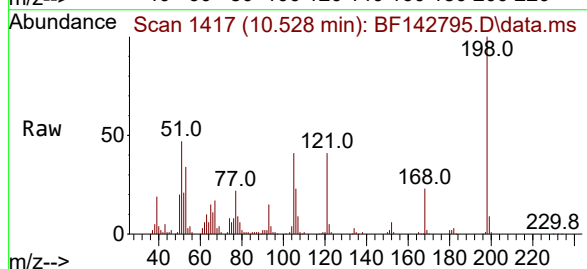
Instrument :
BNA_F
ClientSampleId :
SSTDICC080

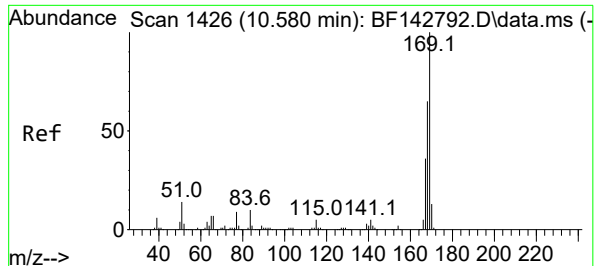
Tgt Ion	Ratio	Lower	Upper
188	100		
94	8.2	6.7	10.1
80	9.0	6.9	10.3



#65
4,6-Dinitro-2-methylphenol
Concen: 80.401 ng
RT: 10.528 min Scan# 1417
Delta R.T. 0.006 min
Lab File: BF142795.D
Acq: 19 Jun 2025 20:40

Tgt Ion	Ratio	Lower	Upper
198	100		
51	47.0	25.4	65.4
105	40.9	20.4	60.4

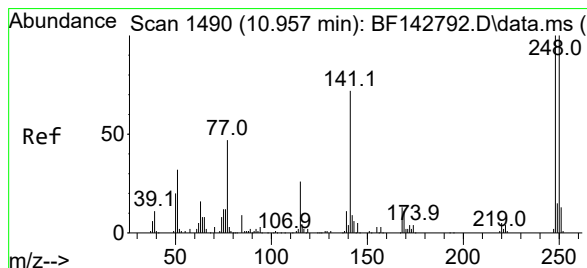
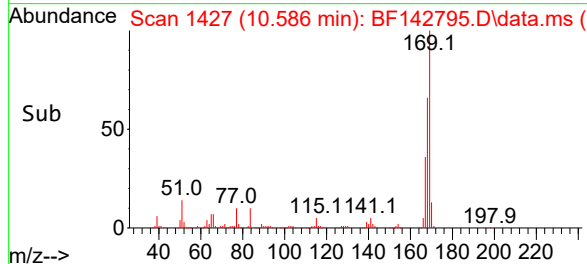
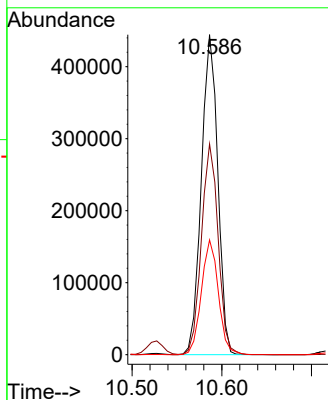
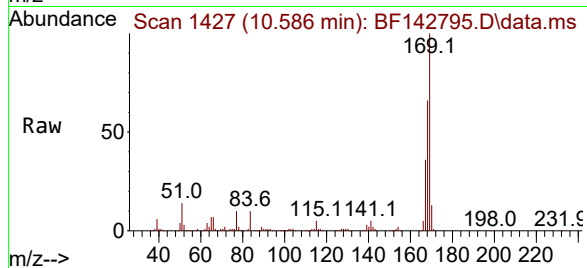




#66
n-Nitrosodiphenylamine
Concen: 77.075 ng
RT: 10.586 min Scan# 1426
Delta R.T. 0.006 min
Lab File: BF142795.D
Acq: 19 Jun 2025 20:40

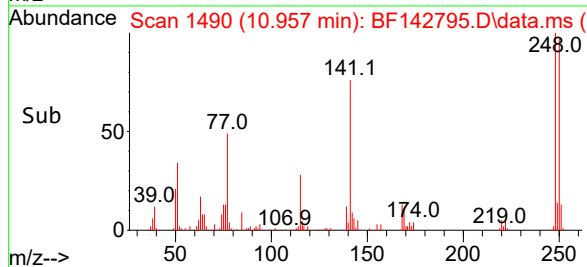
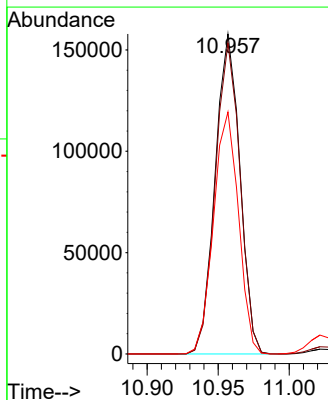
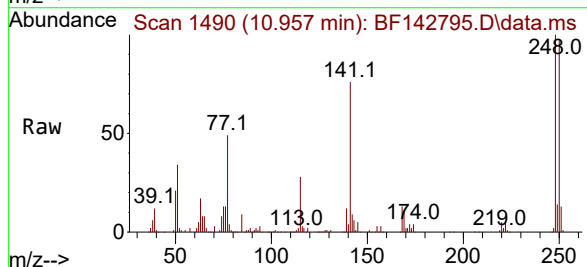
Instrument :
BNA_F
ClientSampleId :
SSTDICC080

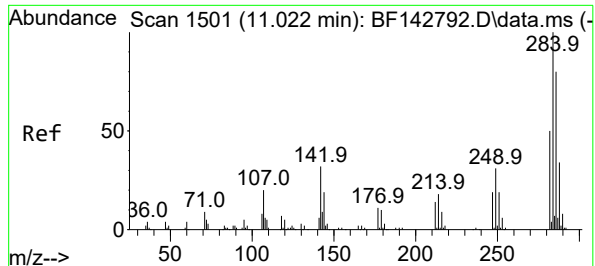
Tgt Ion:169 Resp: 564677
Ion Ratio Lower Upper
169 100
168 65.9 51.9 77.9
167 35.9 28.5 42.7



#67
4-Bromophenyl-phenylether
Concen: 76.768 ng
RT: 10.957 min Scan# 1490
Delta R.T. 0.000 min
Lab File: BF142795.D
Acq: 19 Jun 2025 20:40

Tgt Ion:248 Resp: 191698
Ion Ratio Lower Upper
248 100
250 97.2 79.8 119.8
141 75.6 57.8 86.6

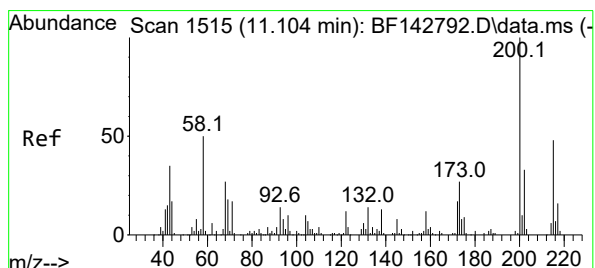
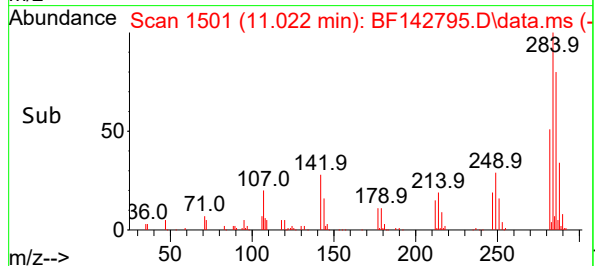
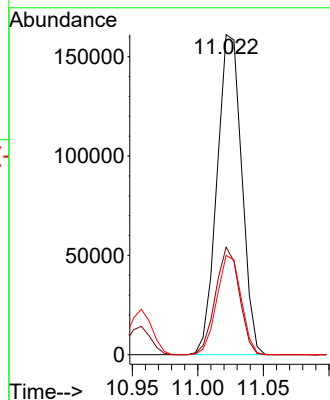
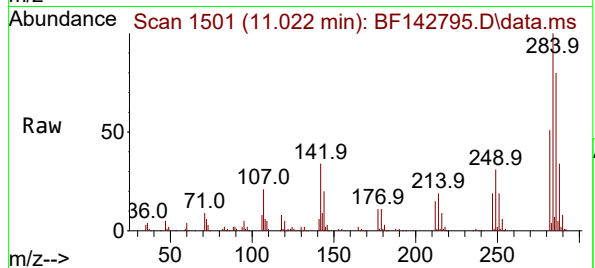




#68
Hexachlorobenzene
Concen: 76.086 ng
RT: 11.022 min Scan# 1501
Delta R.T. 0.000 min
Lab File: BF142795.D
Acq: 19 Jun 2025 20:40

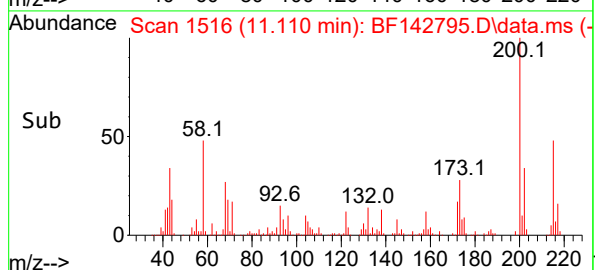
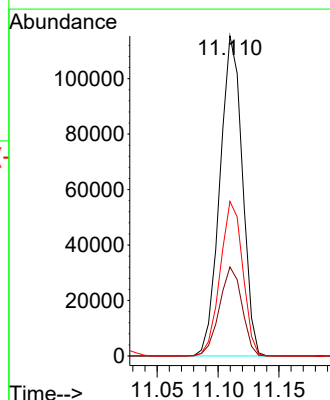
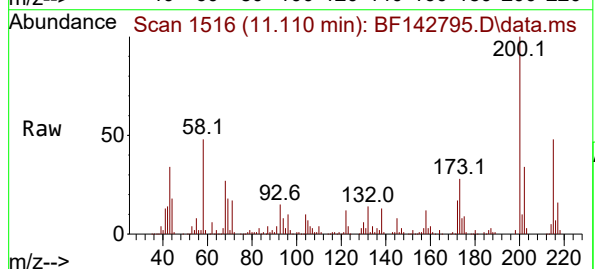
Instrument :
BNA_F
ClientSampleId :
SSTDICC080

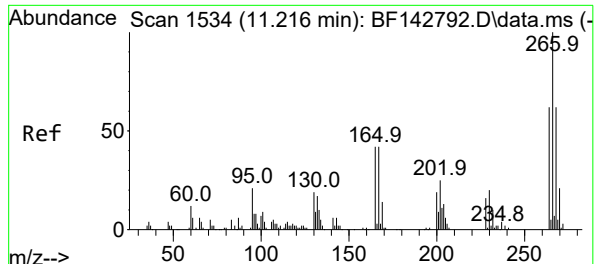
Tgt Ion:284 Resp: 210925
Ion Ratio Lower Upper
284 100
142 33.6 25.5 38.3
249 31.0 24.9 37.3



#69
Atrazine
Concen: 76.143 ng
RT: 11.110 min Scan# 1516
Delta R.T. 0.006 min
Lab File: BF142795.D
Acq: 19 Jun 2025 20:40

Tgt Ion:200 Resp: 148117
Ion Ratio Lower Upper
200 100
173 27.8 7.4 47.4
215 48.3 28.4 68.4

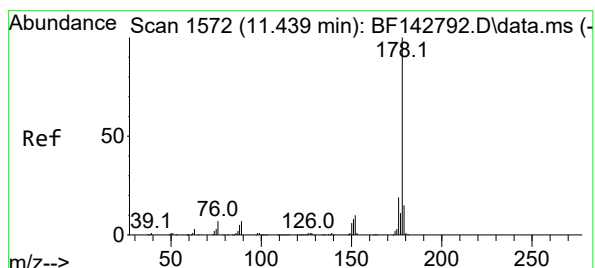
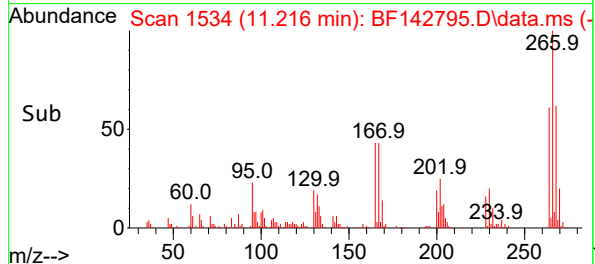
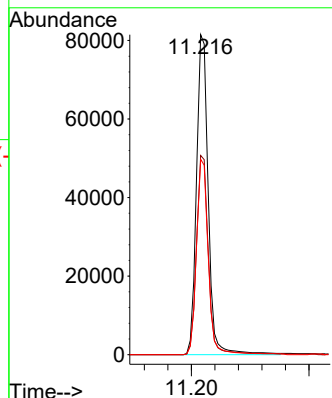
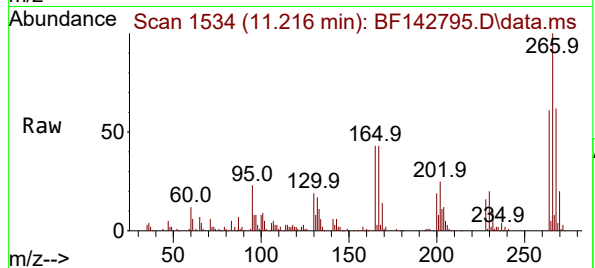




#70
Pentachlorophenol
Concen: 78.555 ng
RT: 11.216 min Scan# 1534
Delta R.T. 0.000 min
Lab File: BF142795.D
Acq: 19 Jun 2025 20:40

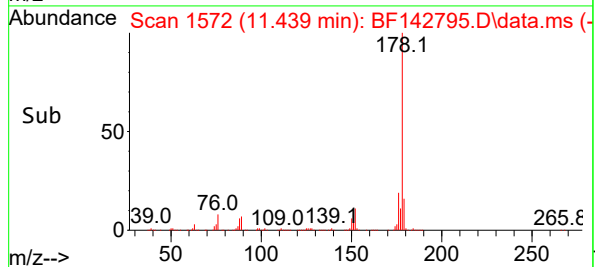
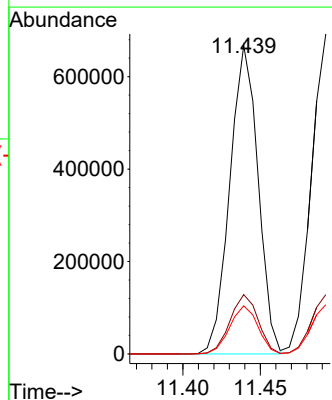
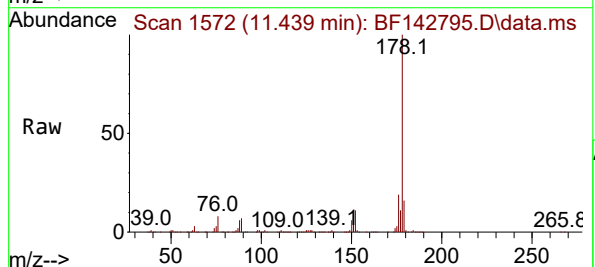
Instrument :
BNA_F
ClientSampleId :
SSTDICC080

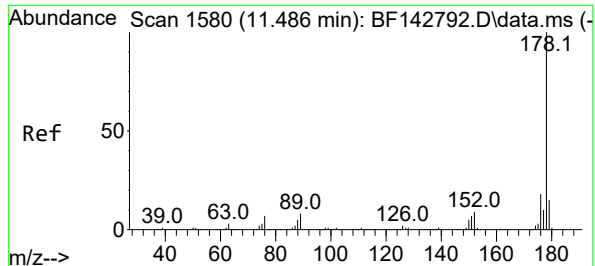
Tgt Ion:266 Resp: 113104
Ion Ratio Lower Upper
266 100
268 62.2 49.8 74.8
264 61.0 49.9 74.9



#71
Phenanthrene
Concen: 74.102 ng
RT: 11.439 min Scan# 1572
Delta R.T. 0.000 min
Lab File: BF142795.D
Acq: 19 Jun 2025 20:40

Tgt Ion:178 Resp: 845899
Ion Ratio Lower Upper
178 100
176 19.3 15.1 22.7
179 15.6 12.0 18.0

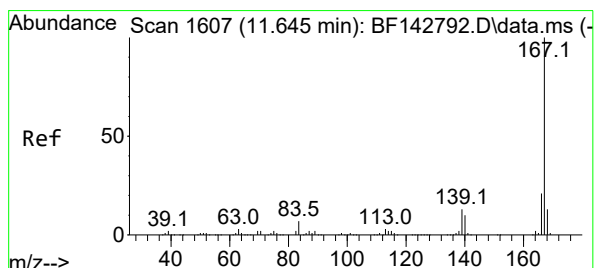
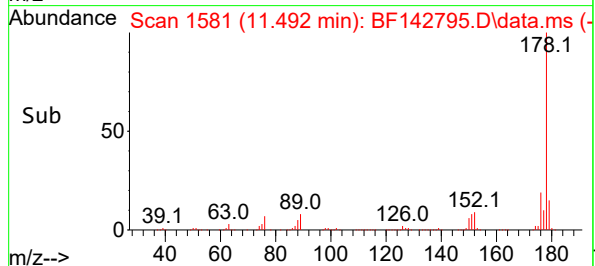
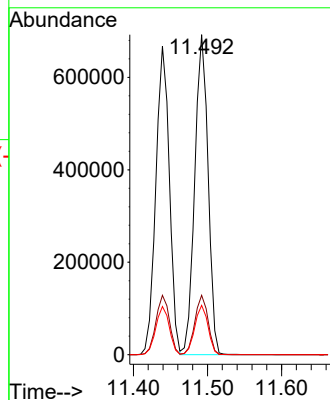
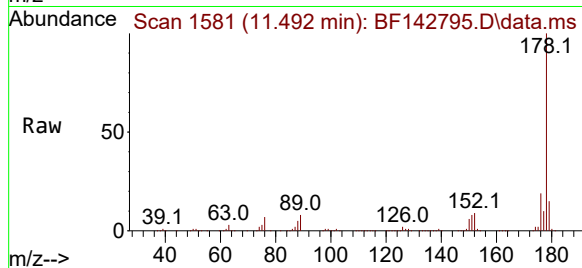




#72
Anthracene
Concen: 73.008 ng
RT: 11.492 min Scan# 1581
Delta R.T. 0.006 min
Lab File: BF142795.D
Acq: 19 Jun 2025 20:40

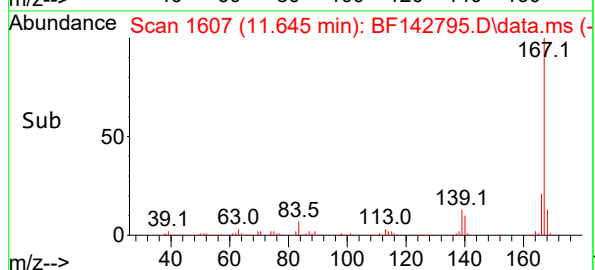
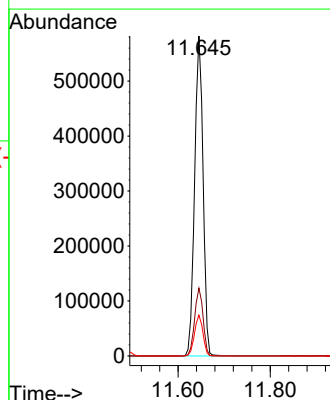
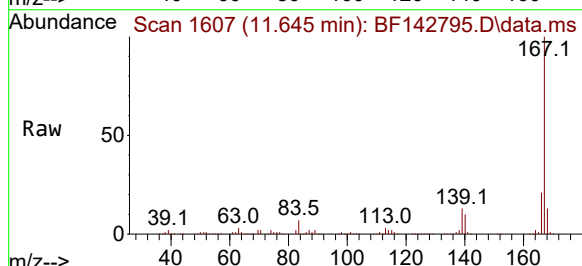
Instrument :
BNA_F
ClientSampleId :
SSTDICC080

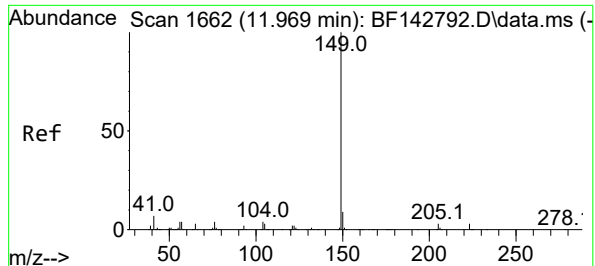
Tgt Ion:178 Resp: 862662
Ion Ratio Lower Upper
178 100
176 18.6 14.6 21.8
179 15.4 12.4 18.6



#73
Carbazole
Concen: 74.602 ng
RT: 11.645 min Scan# 1607
Delta R.T. 0.000 min
Lab File: BF142795.D
Acq: 19 Jun 2025 20:40

Tgt Ion:167 Resp: 738174
Ion Ratio Lower Upper
167 100
166 21.2 17.0 25.4
139 12.7 10.2 15.2

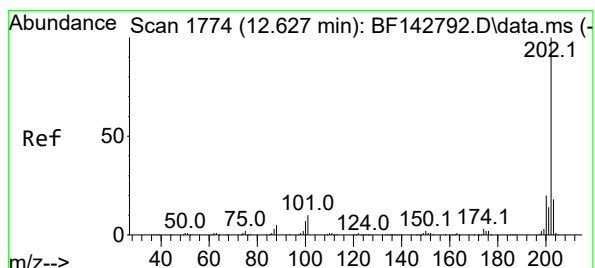
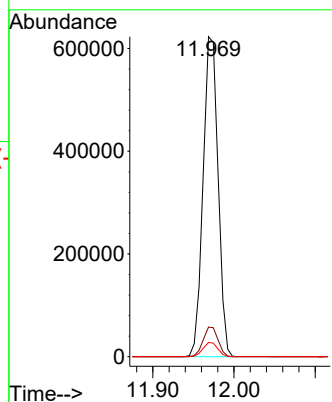
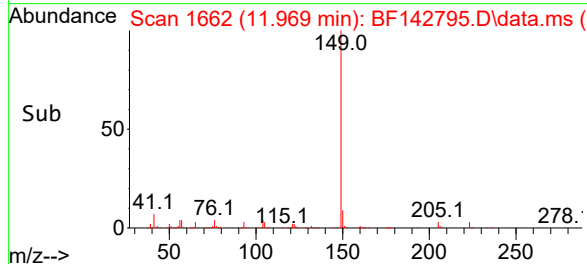
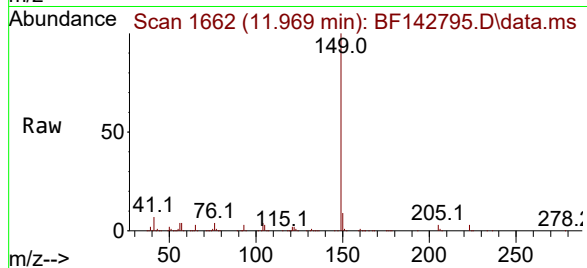




#74
Di-n-butylphthalate
Concen: 72.884 ng
RT: 11.969 min Scan# 1662
Delta R.T. 0.000 min
Lab File: BF142795.D
Acq: 19 Jun 2025 20:40

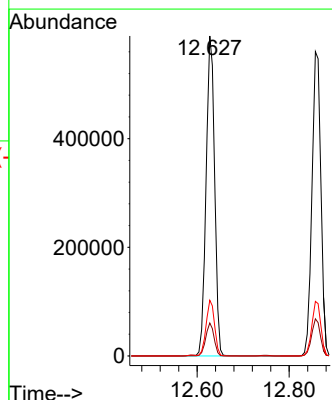
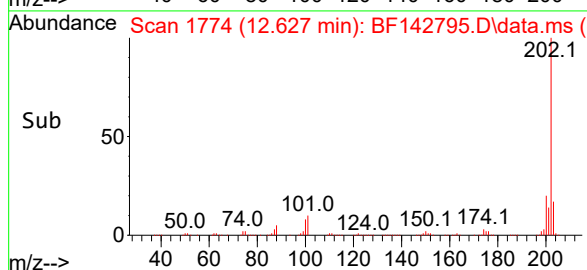
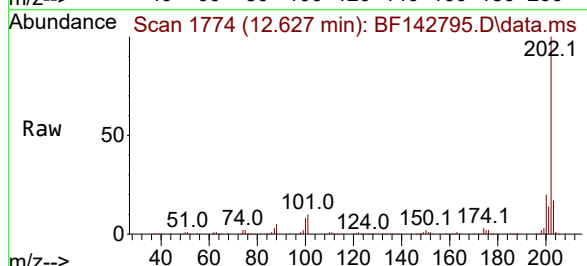
Instrument :
BNA_F
ClientSampleId :
SSTDICC080

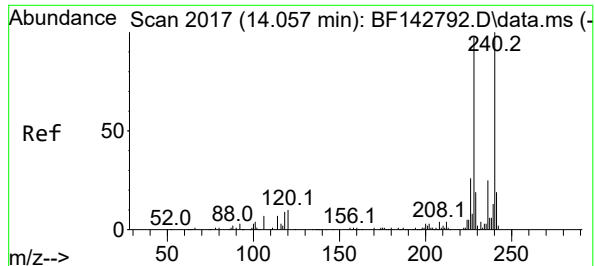
Tgt Ion:149 Resp: 798500
Ion Ratio Lower Upper
149 100
150 9.3 7.4 11.0
104 4.5 3.5 5.3



#75
Fluoranthene
Concen: 70.711 ng
RT: 12.627 min Scan# 1774
Delta R.T. 0.000 min
Lab File: BF142795.D
Acq: 19 Jun 2025 20:40

Tgt Ion:202 Resp: 766933
Ion Ratio Lower Upper
202 100
101 10.3 0.0 29.7
203 17.4 0.0 37.5

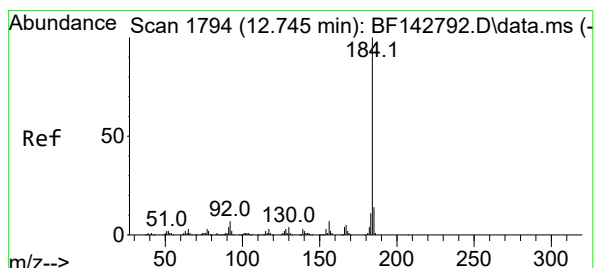
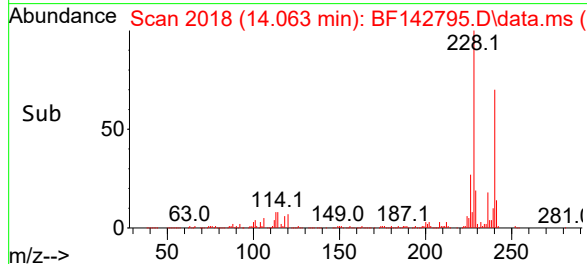
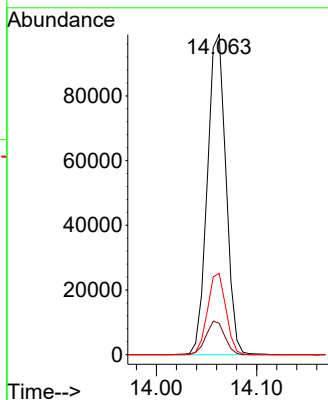
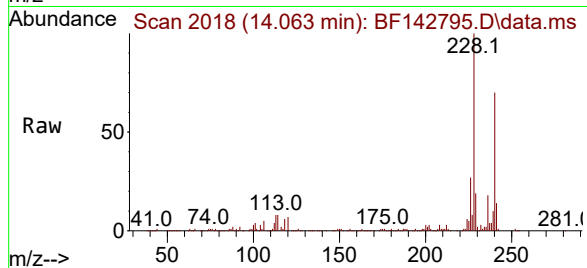




#76
Chrysene-d12
Concen: 20.000 ng
RT: 14.063 min Scan# 2017
Delta R.T. 0.006 min
Lab File: BF142795.D
Acq: 19 Jun 2025 20:40

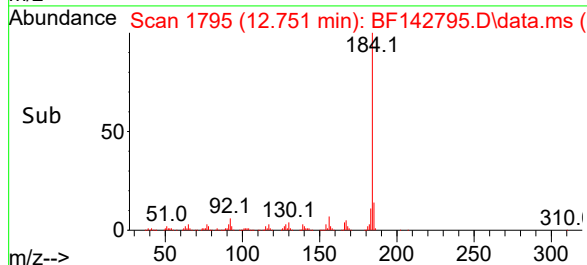
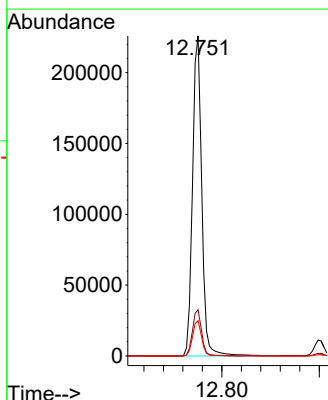
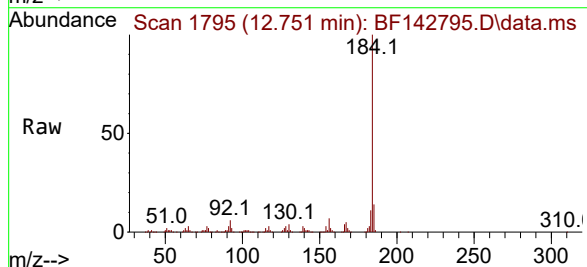
Instrument :
BNA_F
ClientSampleId :
SSTDICC080

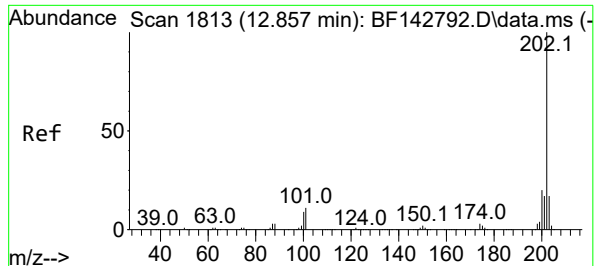
Tgt Ion:240 Resp: 127713
Ion Ratio Lower Upper
240 100
120 9.8 8.2 12.2
236 25.4 19.8 29.8



#77
Benzidine
Concen: 66.350 ng
RT: 12.751 min Scan# 1795
Delta R.T. 0.006 min
Lab File: BF142795.D
Acq: 19 Jun 2025 20:40

Tgt Ion:184 Resp: 299985
Ion Ratio Lower Upper
184 100
185 14.4 11.5 17.3
183 11.0 9.0 13.4

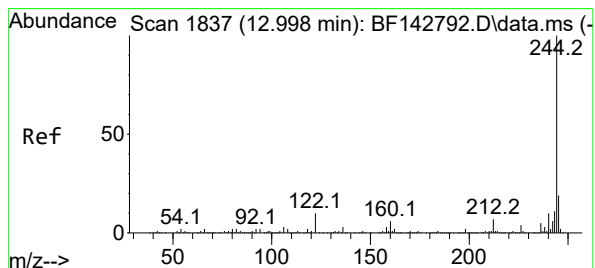
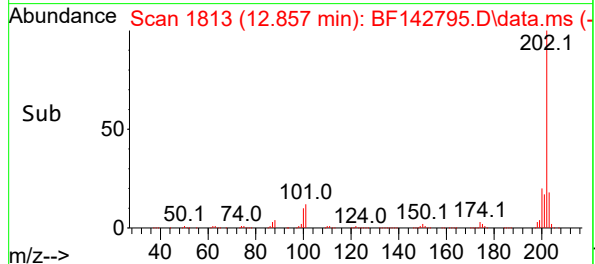
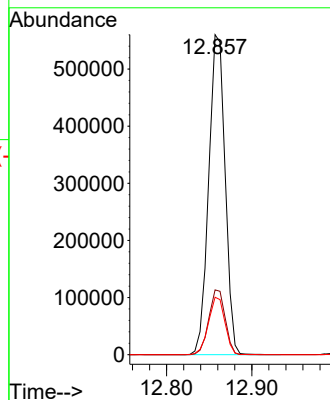
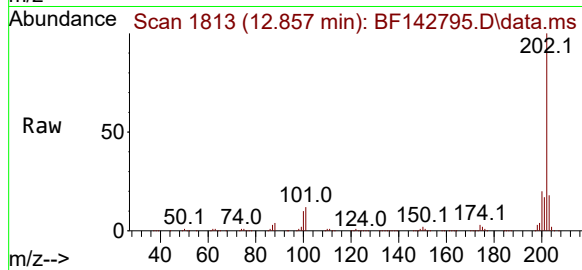




#78
Pyrene
Concen: 63.894 ng
RT: 12.857 min Scan# 1813
Delta R.T. 0.000 min
Lab File: BF142795.D
Acq: 19 Jun 2025 20:40

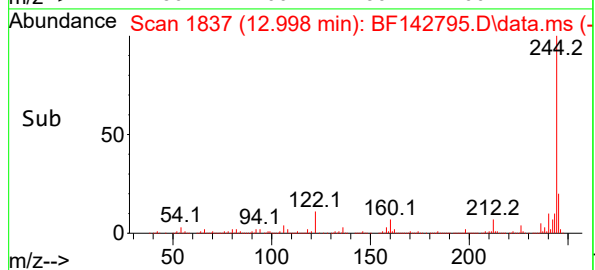
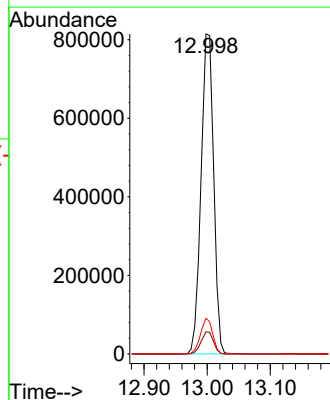
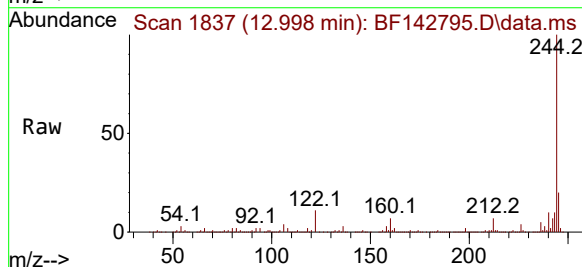
Instrument :
BNA_F
ClientSampleId :
SSTDICC080

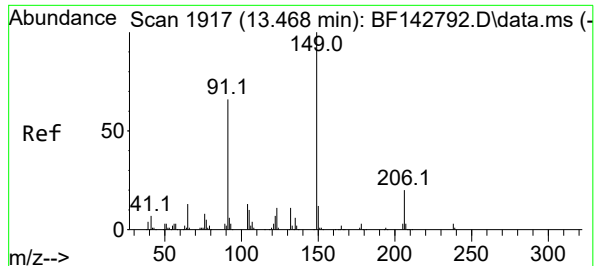
Tgt Ion:202 Resp: 750100
Ion Ratio Lower Upper
202 100
200 20.2 15.7 23.5
203 17.9 13.8 20.6



#79
Terphenyl-d14
Concen: 122.904 ng
RT: 12.998 min Scan# 1837
Delta R.T. 0.000 min
Lab File: BF142795.D
Acq: 19 Jun 2025 20:40

Tgt Ion:244 Resp: 1127781
Ion Ratio Lower Upper
244 100
212 6.9 5.4 8.0
122 11.1 8.2 12.2





#80

Butylbenzylphthalate

Concen: 82.658 ng

RT: 13.474 min Scan# 1917

Delta R.T. 0.006 min

Lab File: BF142795.D

Acq: 19 Jun 2025 20:40

Instrument :

BNA_F

ClientSampleId :

SSTDICC080

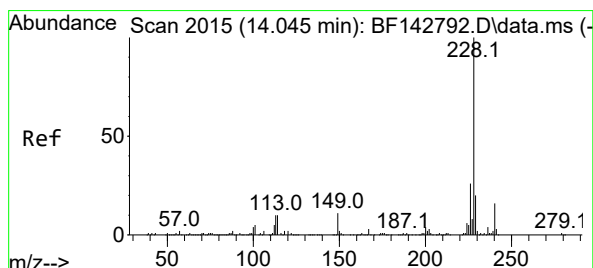
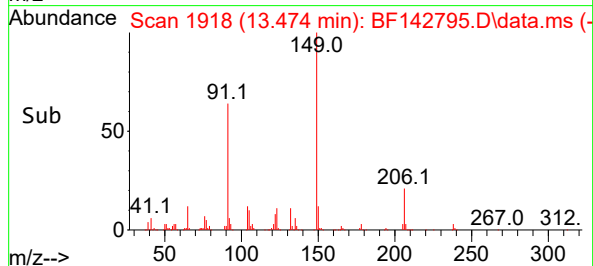
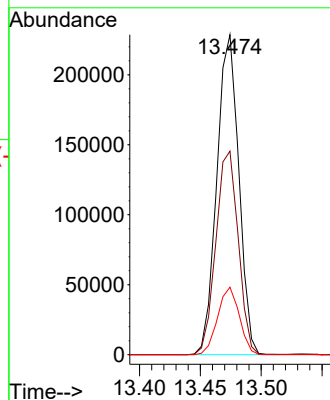
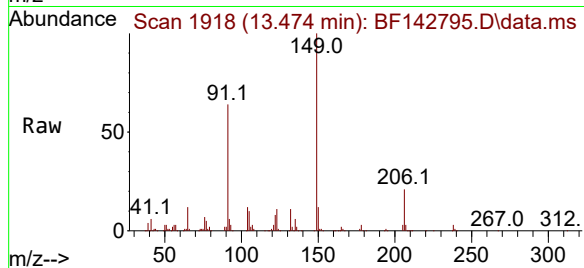
Tgt Ion:149 Resp: 287568

Ion Ratio Lower Upper

149 100

91 63.6 52.9 79.3

206 21.1 16.3 24.5



#81

Benzo(a)anthracene

Concen: 78.202 ng

RT: 14.051 min Scan# 2016

Delta R.T. 0.006 min

Lab File: BF142795.D

Acq: 19 Jun 2025 20:40

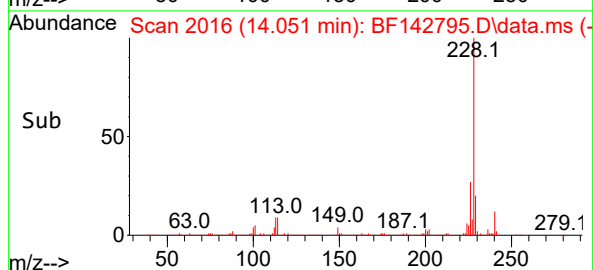
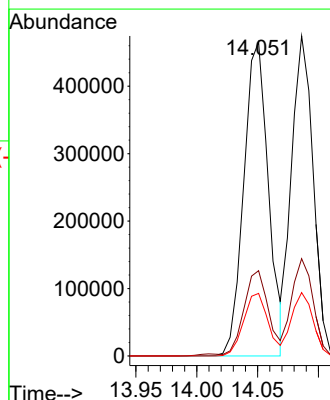
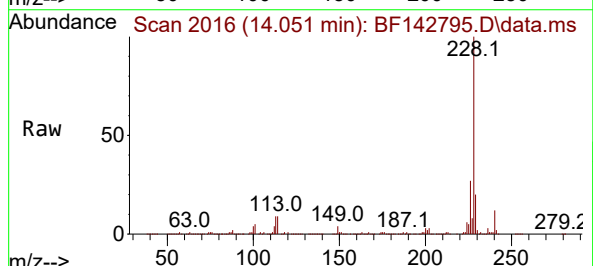
Tgt Ion:228 Resp: 655753

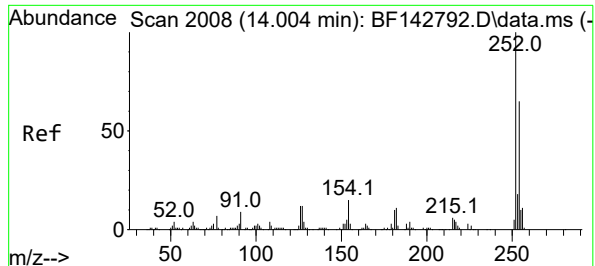
Ion Ratio Lower Upper

228 100

226 27.1 21.2 31.8

229 19.9 15.6 23.4





#82

3,3'-Dichlorobenzidine

Concen: 82.340 ng

RT: 14.010 min Scan# 2008

Delta R.T. 0.006 min

Lab File: BF142795.D

Acq: 19 Jun 2025 20:40

Instrument :

BNA_F

ClientSampleId :

SSTDICC080

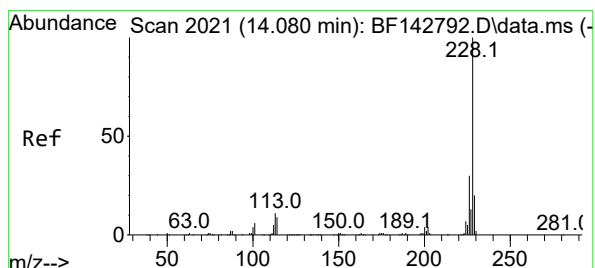
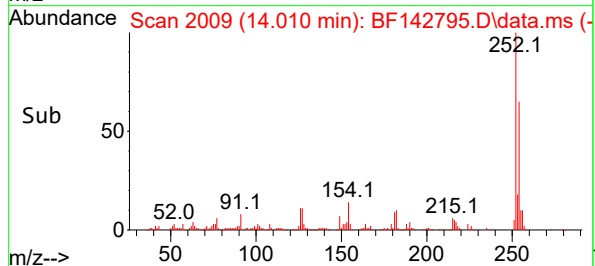
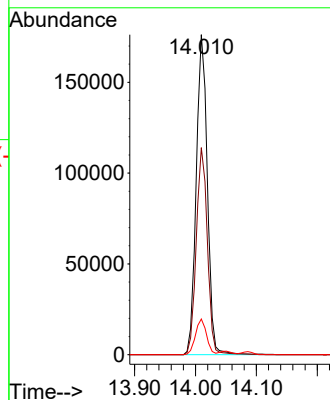
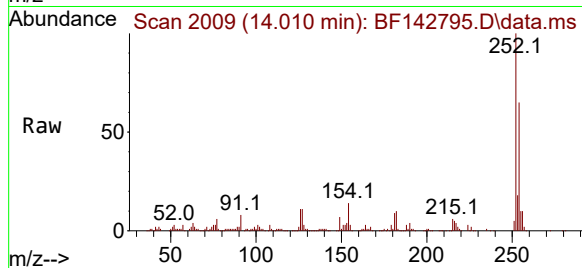
Tgt Ion:252 Resp: 223571

Ion Ratio Lower Upper

252 100

254 64.7 51.7 77.5

126 11.1 9.4 14.2



#83

Chrysene

Concen: 75.278 ng

RT: 14.086 min Scan# 2022

Delta R.T. 0.006 min

Lab File: BF142795.D

Acq: 19 Jun 2025 20:40

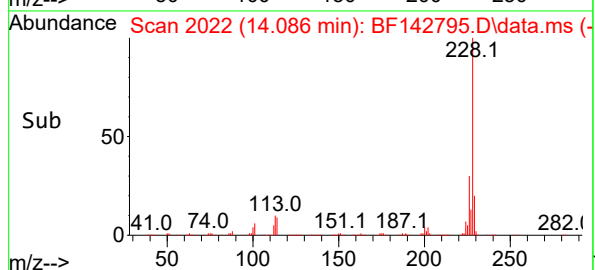
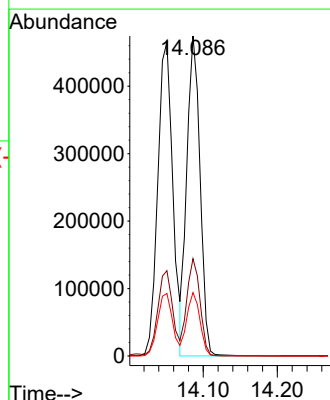
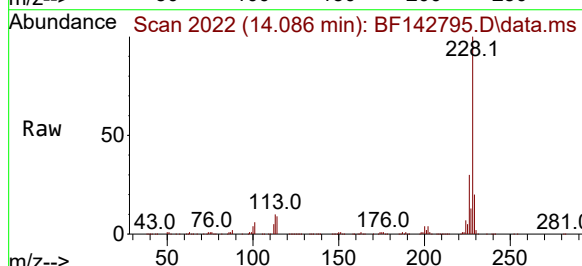
Tgt Ion:228 Resp: 587658

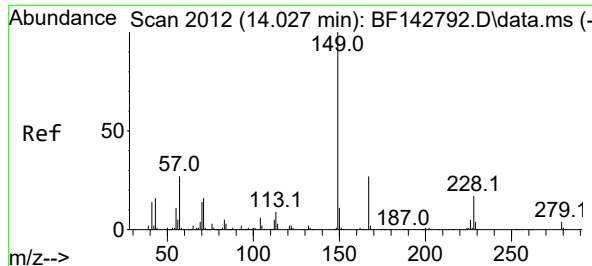
Ion Ratio Lower Upper

228 100

226 30.4 23.7 35.5

229 19.8 15.7 23.5

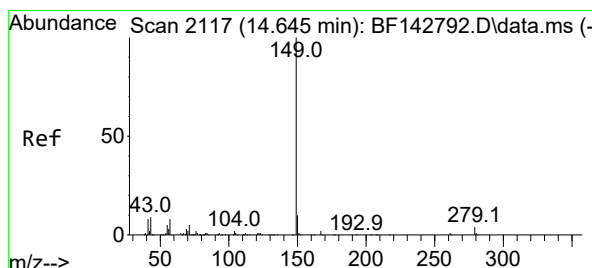
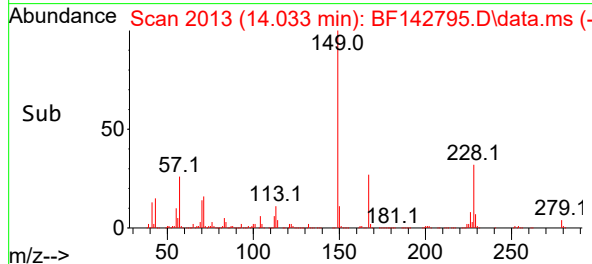
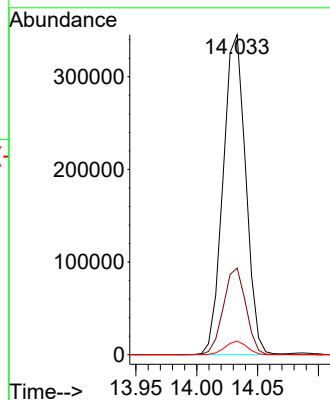
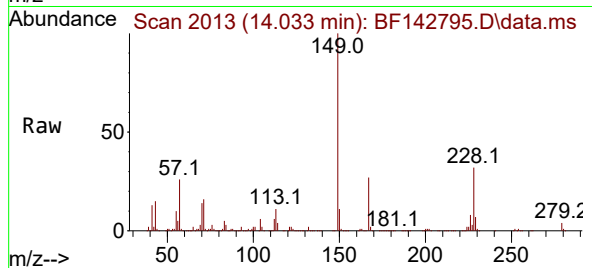




#84
Bis(2-ethylhexyl)phthalate
Concen: 86.499 ng
RT: 14.033 min Scan# 2013
Delta R.T. 0.006 min
Lab File: BF142795.D
Acq: 19 Jun 2025 20:40

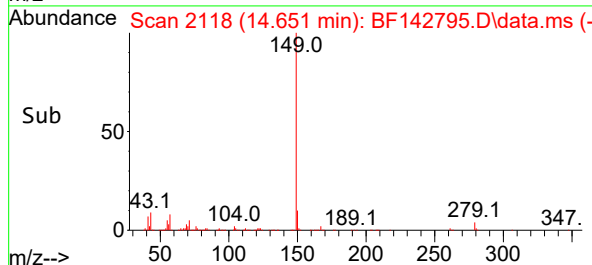
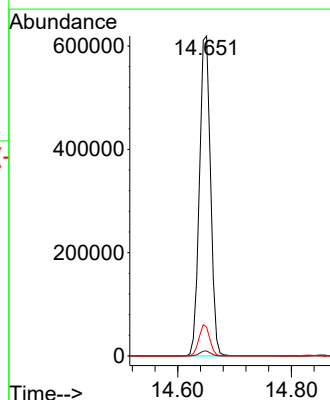
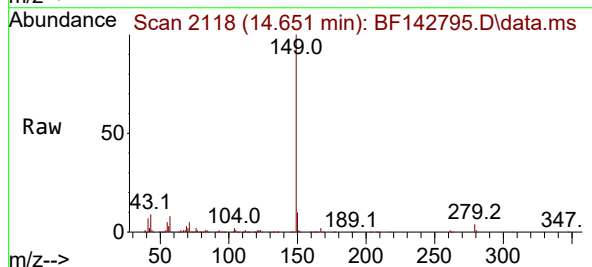
Instrument :
BNA_F
ClientSampleId :
SSTDICC080

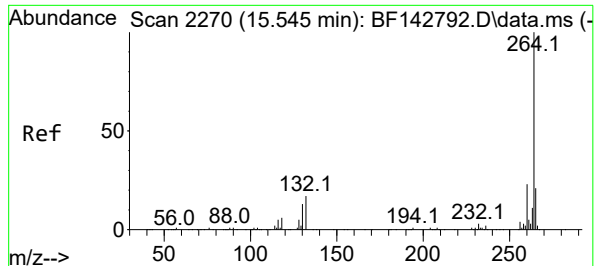
Tgt Ion:149 Resp: 448387
Ion Ratio Lower Upper
149 100
167 27.0 21.4 32.0
279 4.3 3.0 4.6



#85
Di-n-octyl phthalate
Concen: 85.366 ng
RT: 14.651 min Scan# 2118
Delta R.T. 0.006 min
Lab File: BF142795.D
Acq: 19 Jun 2025 20:40

Tgt Ion:149 Resp: 843227
Ion Ratio Lower Upper
149 100
167 1.5 1.3 1.9
43 9.5 7.6 11.4

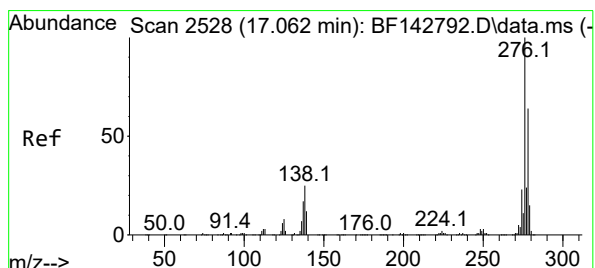
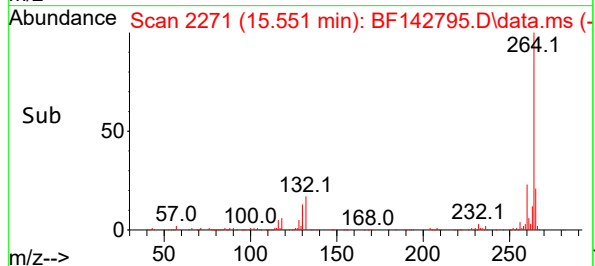
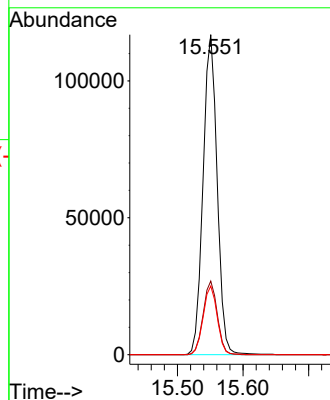
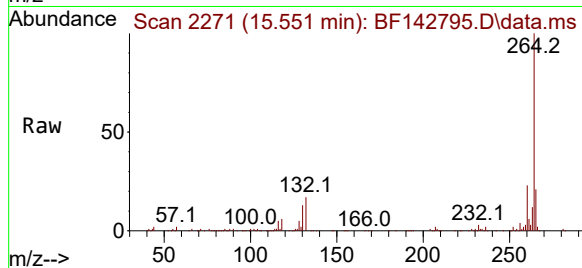




#86
Perylene-d12
Concen: 20.000 ng
RT: 15.551 min Scan# 21
Delta R.T. 0.006 min
Lab File: BF142795.D
Acq: 19 Jun 2025 20:40

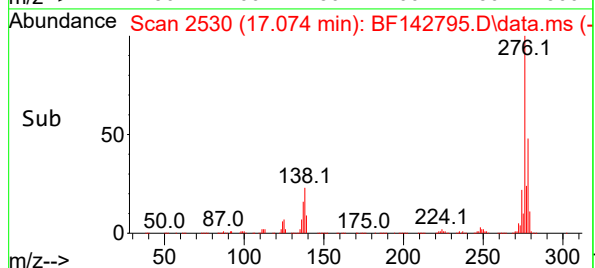
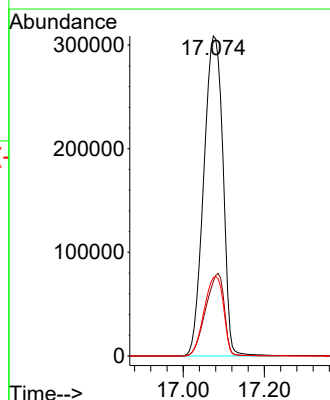
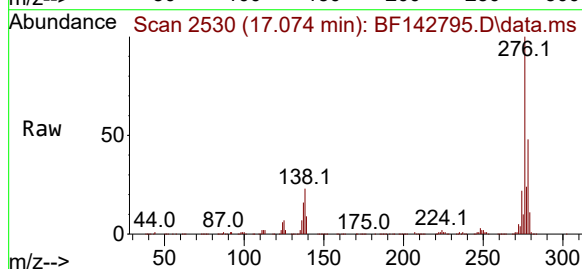
Instrument :
BNA_F
ClientSampleId :
SSTDICC080

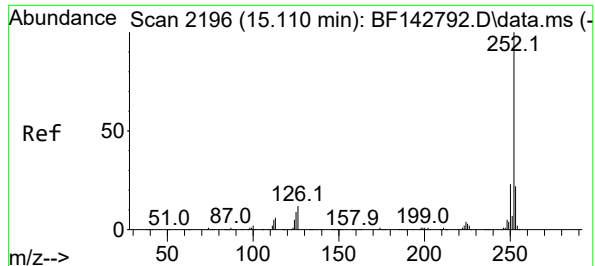
Tgt Ion:264 Resp: 175125
Ion Ratio Lower Upper
264 100
260 23.0 18.1 27.1
265 21.5 16.6 25.0



#87
Indeno(1,2,3-cd)pyrene
Concen: 78.036 ng
RT: 17.074 min Scan# 2530
Delta R.T. 0.012 min
Lab File: BF142795.D
Acq: 19 Jun 2025 20:40

Tgt Ion:276 Resp: 1010374
Ion Ratio Lower Upper
276 100
138 25.0 20.2 30.4
277 25.2 19.8 29.6





#88

Benzo(b)fluoranthene

Concen: 73.471 ng

RT: 15.115 min Scan# 2197

Delta R.T. 0.006 min

Lab File: BF142795.D

Acq: 19 Jun 2025 20:40

Instrument :

BNA_F

ClientSampleId :

SSTDICC080

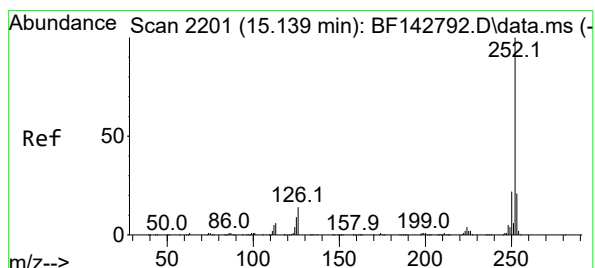
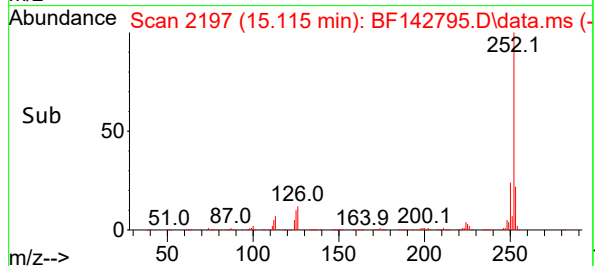
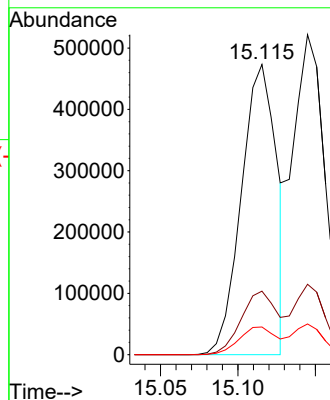
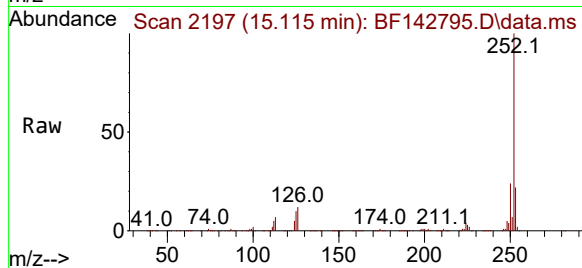
Tgt Ion:252 Resp: 749341

Ion Ratio Lower Upper

252 100

253 21.9 17.5 26.3

125 9.5 7.4 11.0



#89

Benzo(k)fluoranthene

Concen: 75.108 ng

RT: 15.145 min Scan# 2202

Delta R.T. 0.006 min

Lab File: BF142795.D

Acq: 19 Jun 2025 20:40

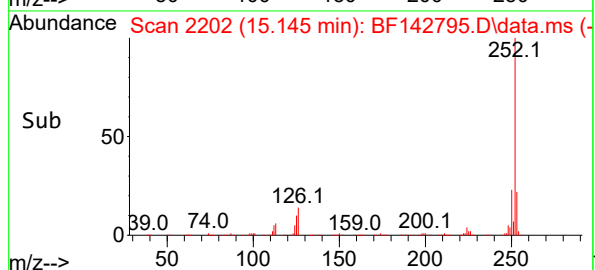
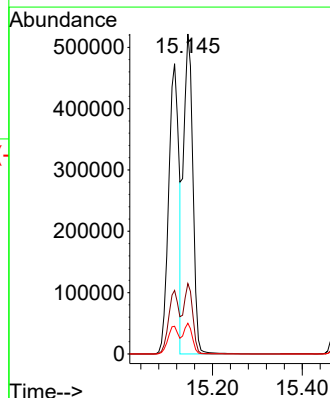
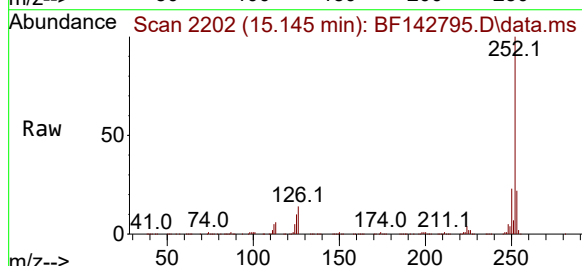
Tgt Ion:252 Resp: 747789

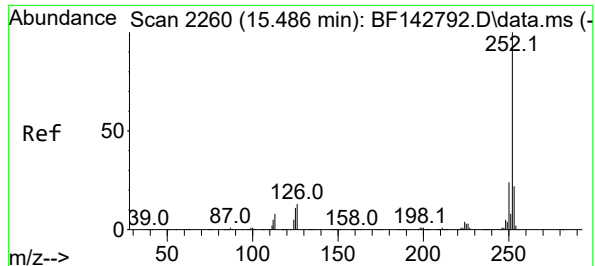
Ion Ratio Lower Upper

252 100

253 22.0 17.2 25.8

125 9.6 7.4 11.2





#90

Benzo(a)pyrene

Concen: 77.813 ng

RT: 15.492 min Scan# 21

Delta R.T. 0.006 min

Lab File: BF142795.D

Acq: 19 Jun 2025 20:40

Instrument :

BNA_F

ClientSampleId :

SSTDICC080

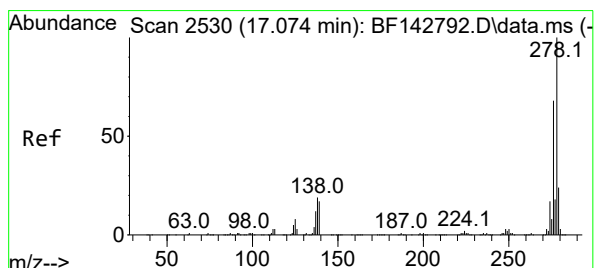
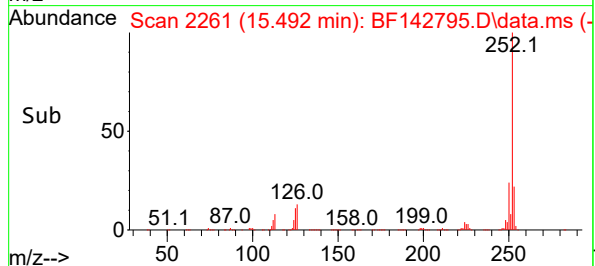
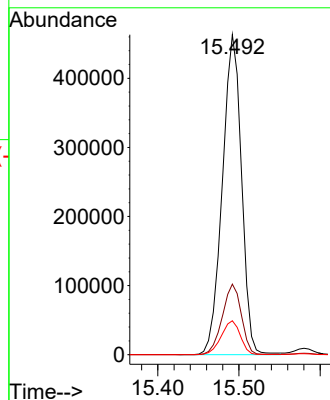
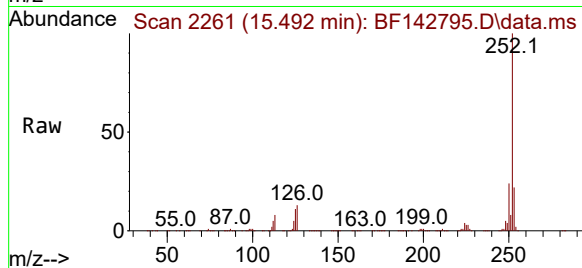
Tgt Ion:252 Resp: 759483

Ion Ratio Lower Upper

252 100

253 22.1 17.5 26.3

125 10.6 8.6 12.8



#91

Dibenzo(a,h)anthracene

Concen: 76.662 ng

RT: 17.092 min Scan# 2533

Delta R.T. 0.018 min

Lab File: BF142795.D

Acq: 19 Jun 2025 20:40

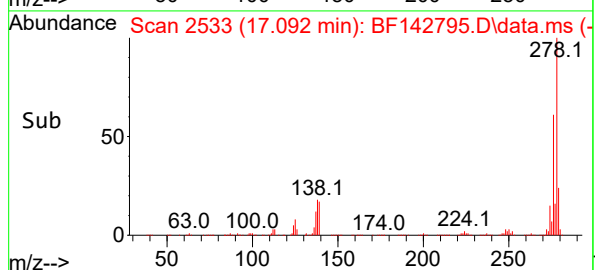
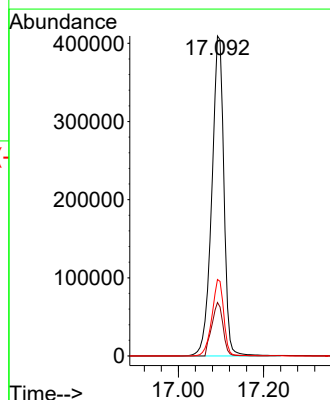
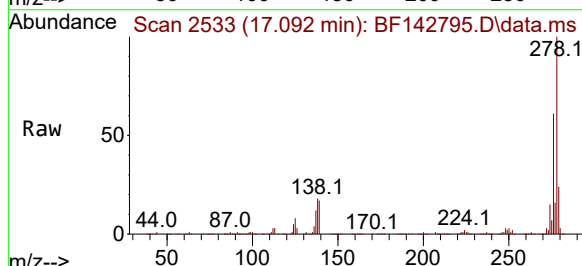
Tgt Ion:278 Resp: 806991

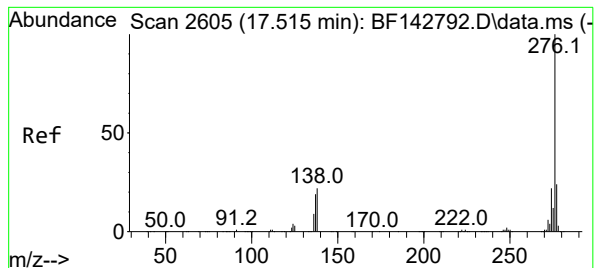
Ion Ratio Lower Upper

278 100

139 16.7 13.5 20.3

279 23.9 18.8 28.2





#92

Benzo(g,h,i)perylene

Concen: 77.429 ng

RT: 17.539 min Scan# 20

Delta R.T. 0.024 min

Lab File: BF142795.D

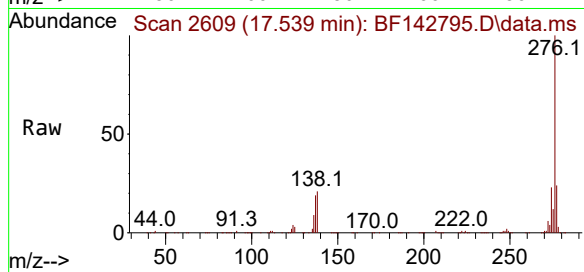
Acq: 19 Jun 2025 20:40

Instrument :

BNA_F

ClientSampleId :

SSTDICC080



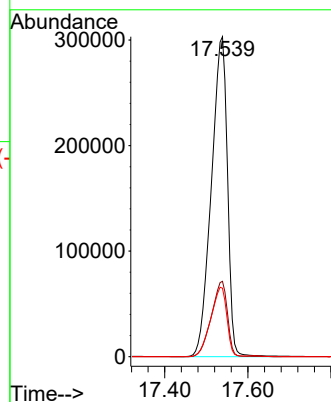
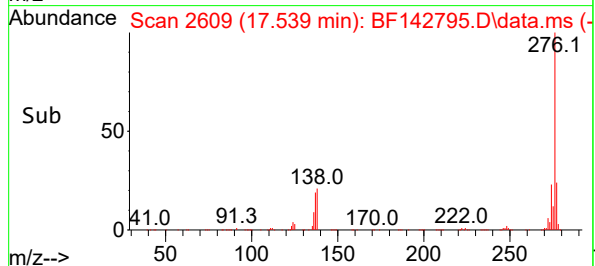
Tgt Ion:276 Resp: 813177

Ion Ratio Lower Upper

276 100

277 23.6 18.8 28.2

138 21.4 17.6 26.4



Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF061925\
 Data File : BF142796.D
 Acq On : 19 Jun 2025 21:10
 Operator : RC/JU
 Sample : SSTDICV040
 Misc :
 ALS Vial : 10 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 ICVBF061925

Quant Time: Jun 24 15:59:56 2025
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF061925.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Tue Jun 24 05:28:21 2025
 Response via : Initial Calibration

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

Internal Standards						
1) 1,4-Dichlorobenzene-d4	6.881	152	74183	20.000	ng	0.00
21) Naphthalene-d8	8.163	136	279139	20.000	ng	0.00
39) Acenaphthene-d10	9.922	164	142968	20.000	ng	0.00
64) Phenanthrene-d10	11.410	188	228099	20.000	ng	0.00
76) Chrysene-d12	14.057	240	122573	20.000	ng	0.00
86) Perylene-d12	15.545	264	153363	20.000	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.493	112	361762	81.192	ng	0.00
7) Phenol-d6	6.510	99	421918	80.262	ng	0.00
23) Nitrobenzene-d5	7.445	82	373199	73.334	ng	0.00
42) 2,4,6-Tribromophenol	10.716	330	117795	80.065	ng	0.00
45) 2-Fluorobiphenyl	9.239	172	785440	72.171	ng	0.00
79) Terphenyl-d14	12.998	244	628420	70.839	ng	0.00
Target Compounds						Qvalue
2) 1,4-Dioxane	2.634	88	70139	39.357	ng	100
3) Pyridine	3.404	79	185173	41.446	ng	99
4) n-Nitrosodimethylamine	3.357	42	96831	41.912	ng	99
6) Aniline	6.545	93	296519	42.392	ng	99
8) 2-Chlorophenol	6.663	128	202041	42.036	ng	100
9) Benzaldehyde	6.434	77	148174	47.511	ng	99
10) Phenol	6.522	94	244839	41.901	ng	99
11) bis(2-Chloroethyl)ether	6.616	93	176058	42.157	ng	99
12) 1,3-Dichlorobenzene	6.822	146	228820	42.568	ng	99
13) 1,4-Dichlorobenzene	6.898	146	229234	42.268	ng	99
14) 1,2-Dichlorobenzene	7.051	146	218720	42.520	ng	99
15) Benzyl Alcohol	7.022	79	160044	42.114	ng	100
16) 2,2'-oxybis(1-Chloropr...	7.157	45	284352	42.379	ng	100
17) 2-Methylphenol	7.134	107	154746	42.485	ng	98
18) Hexachloroethane	7.392	117	80788	42.589	ng	97
19) n-Nitroso-di-n-propyla...	7.292	70	127308	41.640	ng	99
20) 3+4-Methylphenols	7.287	107	194841	42.904	ng	98
22) Acetophenone	7.292	105	261474	42.478	ng	99
24) Nitrobenzene	7.463	77	193310	41.968	ng	99
25) Isophorone	7.704	82	338001	41.403	ng	99
26) 2-Nitrophenol	7.781	139	108455	43.224	ng	100
27) 2,4-Dimethylphenol	7.816	122	183273	42.168	ng	99
28) bis(2-Chloroethoxy)met...	7.910	93	217774	41.960	ng	99
29) 2,4-Dichlorophenol	8.022	162	166286	42.196	ng	99
30) 1,2,4-Trichlorobenzene	8.104	180	182768	42.177	ng	100
31) Naphthalene	8.187	128	576847	42.218	ng	100
32) Benzoic acid	7.922	122	101203	45.685	ng	95
33) 4-Chloroaniline	8.234	127	232045	41.766	ng	98
34) Hexachlorobutadiene	8.304	225	113068	42.657	ng	99
35) Caprolactam	8.604	113	42561	40.928	ng	98
36) 4-Chloro-3-methylphenol	8.716	107	164064	41.890	ng	99
37) 2-Methylnaphthalene	8.881	142	353484	41.730	ng	100
38) 1-Methylnaphthalene	8.981	142	364378	41.554	ng	100
40) 1,2,4,5-Tetrachloroben...	9.045	216	182379	43.233	ng	99
41) Hexachlorocyclopentadiene	9.034	237	108592	45.361	ng	97
43) 2,4,6-Trichlorophenol	9.157	196	116946	42.543	ng	98

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF061925\
 Data File : BF142796.D
 Acq On : 19 Jun 2025 21:10
 Operator : RC/JU
 Sample : SSTDICV040
 Misc :
 ALS Vial : 10 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 ICVBF061925

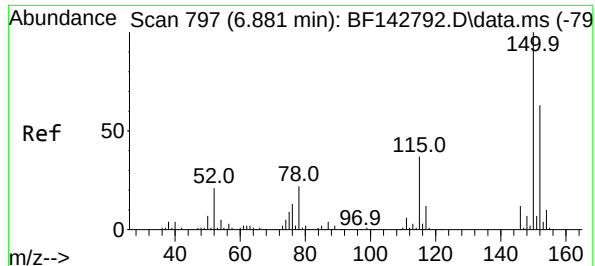
Quant Time: Jun 24 15:59:56 2025
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 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Tue Jun 24 05:28:21 2025
 Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
44) 2,4,5-Trichlorophenol	9.198	196	124558	43.045	ng	99
46) 1,1'-Biphenyl	9.345	154	476133	42.159	ng	100
47) 2-Chloronaphthalene	9.369	162	354405	41.817	ng	100
48) 2-Nitroaniline	9.463	65	99137	41.724	ng	97
49) Acenaphthylene	9.786	152	580204	41.586	ng	100
50) Dimethylphthalate	9.645	163	381573	41.232	ng	100
51) 2,6-Dinitrotoluene	9.704	165	84111	41.386	ng	99
52) Acenaphthene	9.957	154	356031	41.825	ng	100
53) 3-Nitroaniline	9.875	138	92889	41.512	ng	99
54) 2,4-Dinitrophenol	9.981	184	44513	43.742	ng	99
55) Dibenzofuran	10.128	168	502290	41.150	ng	100
56) 4-Nitrophenol	10.033	139	62127	40.556	ng	97
57) 2,4-Dinitrotoluene	10.110	165	111649	41.358	ng	100
58) Fluorene	10.475	166	391356	41.052	ng	100
59) 2,3,4,6-Tetrachlorophenol	10.245	232	97630	41.857	ng	97
60) Diethylphthalate	10.339	149	371453	40.937	ng	100
61) 4-Chlorophenyl-phenyle...	10.463	204	185884	40.862	ng	99
62) 4-Nitroaniline	10.486	138	83143	40.628	ng	99
63) Azobenzene	10.622	77	332701	41.025	ng	99
65) 4,6-Dinitro-2-methylph...	10.516	198	59797	43.341	ng	94
66) n-Nitrosodiphenylamine	10.580	169	331671	41.955	ng	99
67) 4-Bromophenyl-phenylether	10.951	248	112604	43.376	ng	96
68) Hexachlorobenzene	11.022	284	122976	42.632	ng	98
69) Atrazine	11.104	200	87455	42.840	ng	99
70) Pentachlorophenol	11.216	266	62292	43.337	ng	99
71) Phenanthrene	11.433	178	514049	41.603	ng	99
72) Anthracene	11.486	178	532397	42.013	ng	99
73) Carbazole	11.645	167	446814	40.858	ng	100
74) Di-n-butylphthalate	11.969	149	481078	42.228	ng	100
75) Fluoranthene	12.627	202	473431	40.372	ng	100
77) Benzidine	12.745	184	218884	47.530	ng	99
78) Pyrene	12.857	202	468692	40.794	ng	100
80) Butylbenzylphthalate	13.469	149	154743	46.431	ng	99
81) Benzo(a)anthracene	14.045	228	346202	41.868	ng	100
82) 3,3'-Dichlorobenzidine	14.010	252	124771	46.521	ng	99
83) Chrysene	14.080	228	321976	43.637	ng	100
84) Bis(2-ethylhexyl)phtha...	14.027	149	230046	47.976	ng	99
85) Di-n-octyl phthalate	14.645	149	425193	47.026	ng	99
87) Indeno(1,2,3-cd)pyrene	17.062	276	491326	42.060	ng	100
88) Benzo(b)fluoranthene	15.110	252	362077	40.801	ng	100
89) Benzo(k)fluoranthene	15.139	252	347044	41.800	ng	100
90) Benzo(a)pyrene	15.486	252	361077	42.117	ng	100
91) Dibenzo(a,h)anthracene	17.074	278	399293	42.069	ng	99
92) Benzo(g,h,i)perylene	17.515	276	397566	42.006	ng	100

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

Instrument :
BNA_F
ClientSampleId :
ICVBF061925

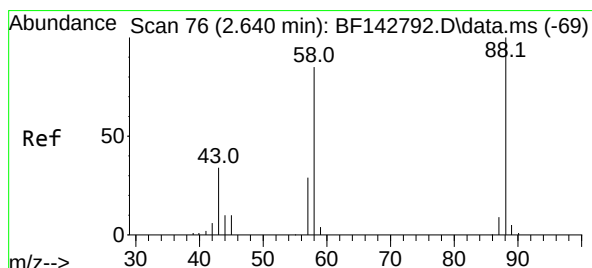
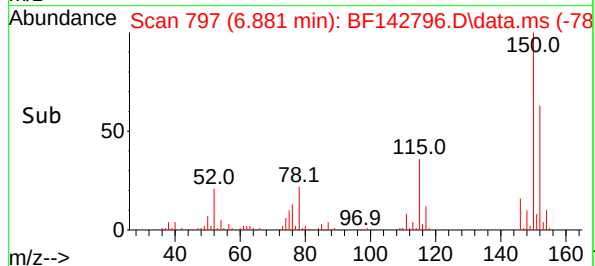
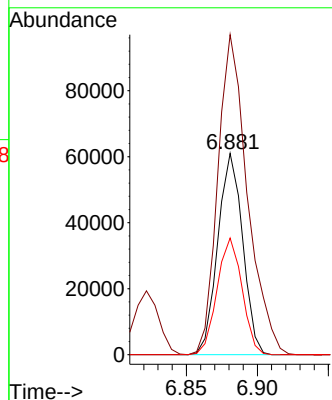
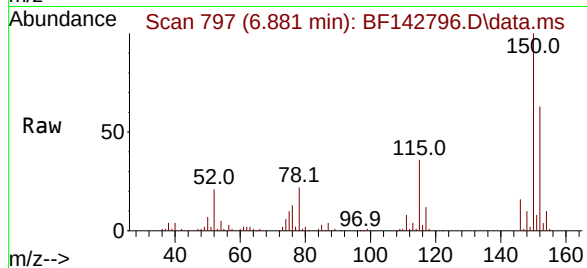
[illegible]



#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.881 min Scan# 74
Delta R.T. -0.000 min
Lab File: BF142796.D
Acq: 19 Jun 2025 21:10

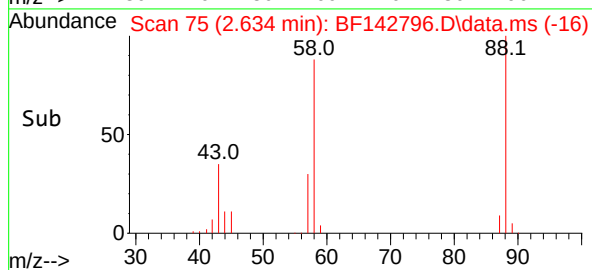
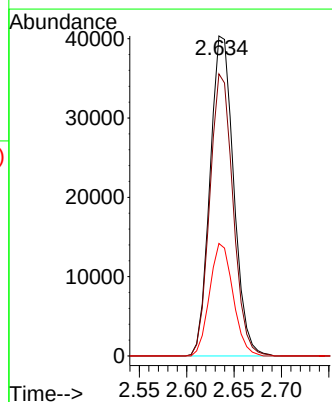
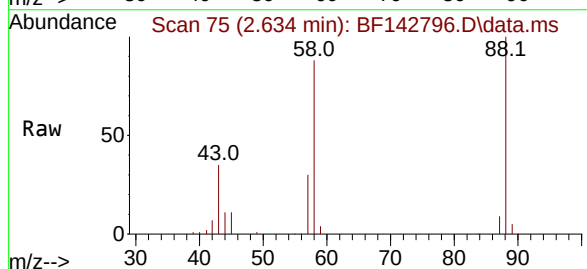
Instrument :
BNA_F
ClientSampleId :
ICVBF061925

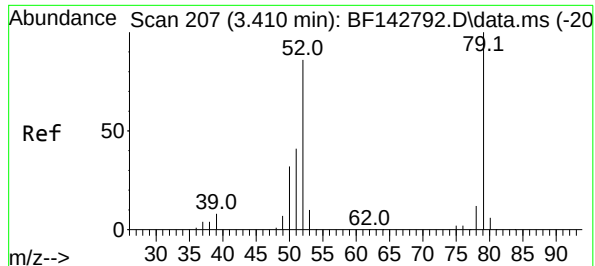
Tgt Ion:152 Resp: 74183
Ion Ratio Lower Upper
152 100
150 159.0 127.2 190.8
115 57.9 46.6 69.8



#2
1,4-Dioxane
Concen: 39.357 ng
RT: 2.634 min Scan# 75
Delta R.T. -0.006 min
Lab File: BF142796.D
Acq: 19 Jun 2025 21:10

Tgt Ion: 88 Resp: 70139
Ion Ratio Lower Upper
88 100
58 86.6 69.1 103.7
43 34.8 27.4 41.2

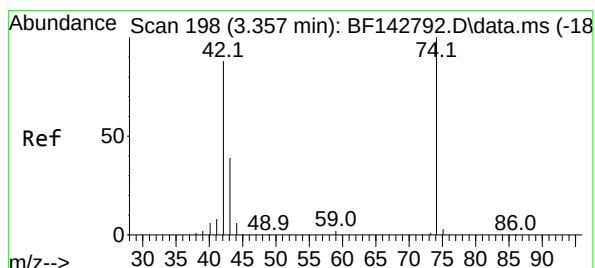
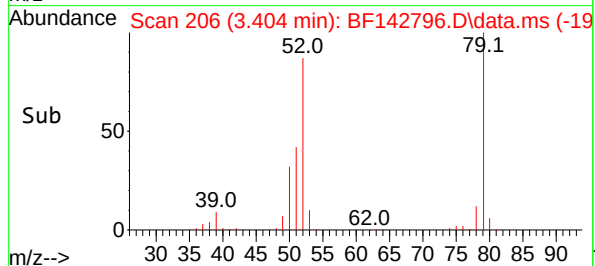
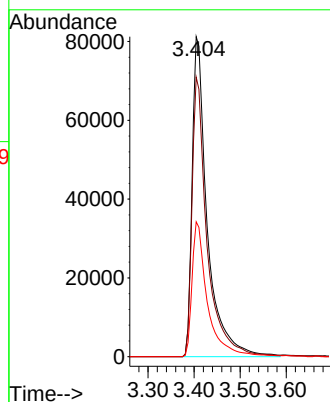
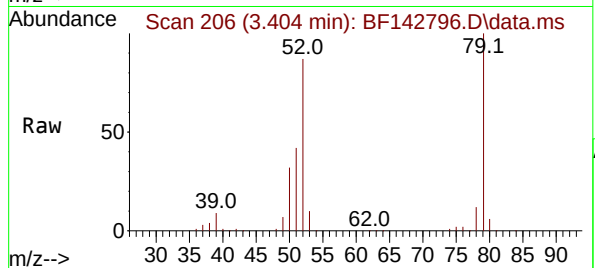




#3
Pyridine
Concen: 41.446 ng
RT: 3.404 min Scan# 207
Delta R.T. -0.006 min
Lab File: BF142796.D
Acq: 19 Jun 2025 21:10

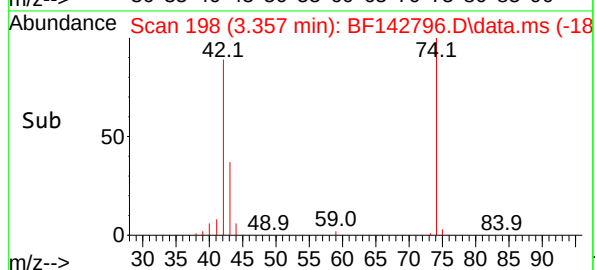
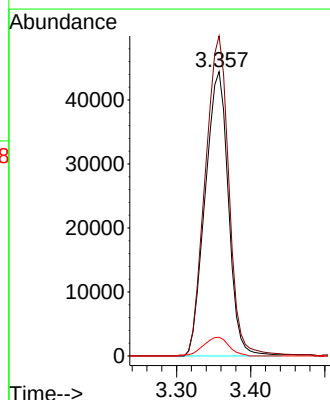
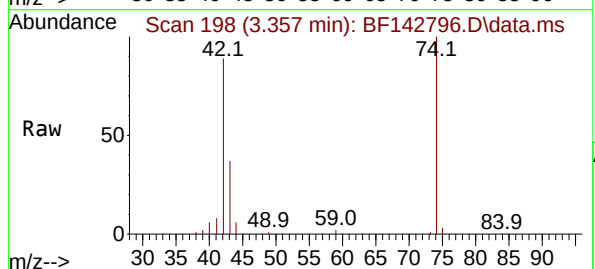
Instrument :
BNA_F
ClientSampleId :
ICVBF061925

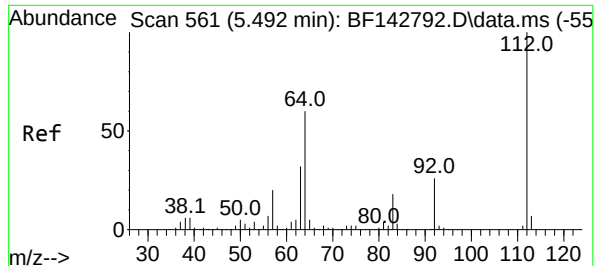
Tgt Ion: 79 Resp: 185173
Ion Ratio Lower Upper
79 100
52 87.4 69.2 103.8
51 42.1 33.2 49.8



#4
n-Nitrosodimethylamine
Concen: 41.912 ng
RT: 3.357 min Scan# 198
Delta R.T. 0.000 min
Lab File: BF142796.D
Acq: 19 Jun 2025 21:10

Tgt Ion: 42 Resp: 96831
Ion Ratio Lower Upper
42 100
74 112.6 90.9 136.3
44 6.6 5.8 8.6

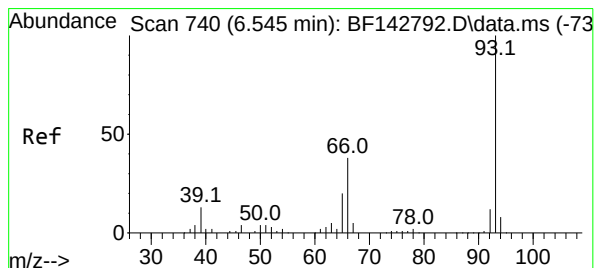
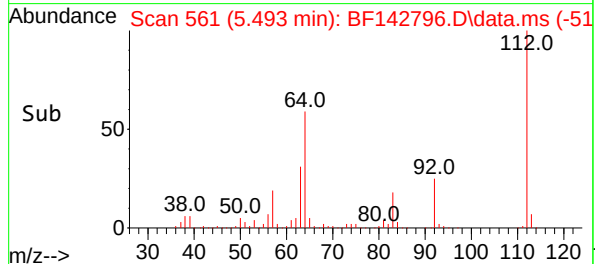
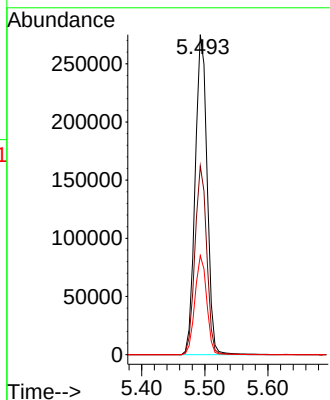
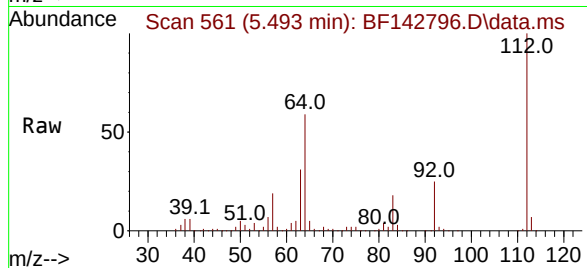




#5
2-Fluorophenol
Concen: 81.192 ng
RT: 5.493 min Scan# 501
Delta R.T. 0.001 min
Lab File: BF142796.D
Acq: 19 Jun 2025 21:10

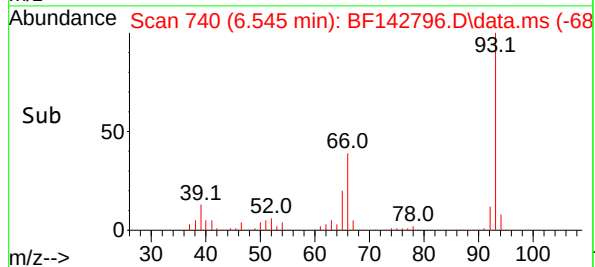
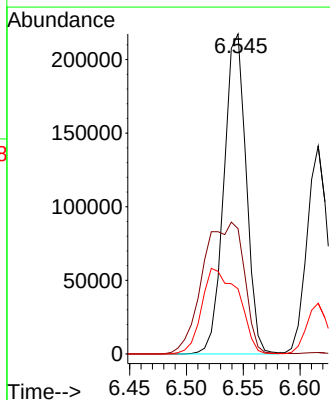
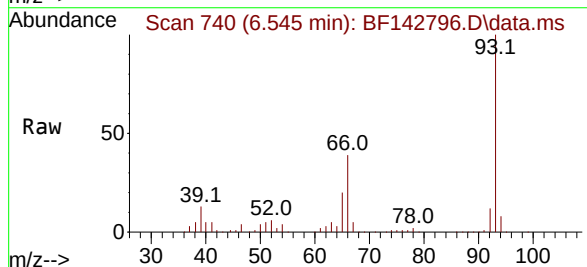
Instrument :
BNA_F
ClientSampleId :
ICVBF061925

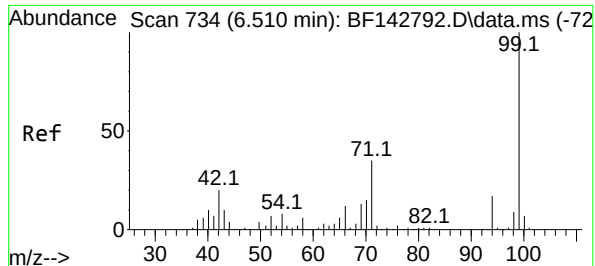
Tgt Ion:112 Resp: 361762
Ion Ratio Lower Upper
112 100
64 59.0 48.2 72.2
63 31.0 25.7 38.5



#6
Aniline
Concen: 42.392 ng
RT: 6.545 min Scan# 740
Delta R.T. 0.000 min
Lab File: BF142796.D
Acq: 19 Jun 2025 21:10

Tgt Ion: 93 Resp: 296519
Ion Ratio Lower Upper
93 100
66 39.2 31.8 47.6
65 20.4 16.2 24.2





#7

Phenol-d6

Concen: 80.262 ng

RT: 6.510 min Scan# 71

Delta R.T. 0.000 min

Lab File: BF142796.D

Acq: 19 Jun 2025 21:10

Instrument :

BNA_F

ClientSampleId :

ICVBF061925

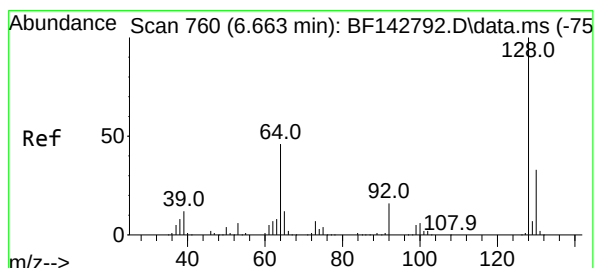
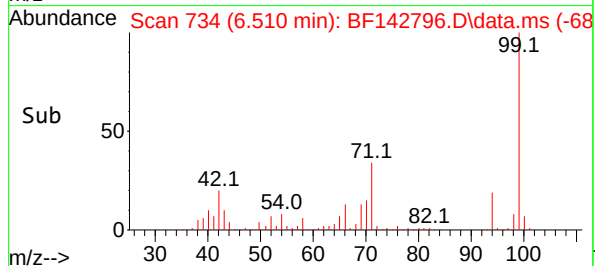
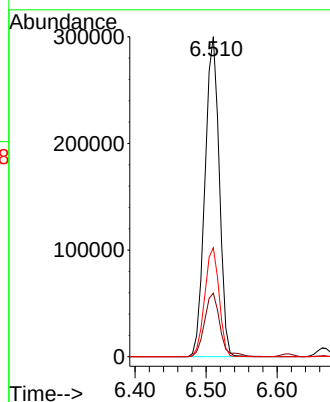
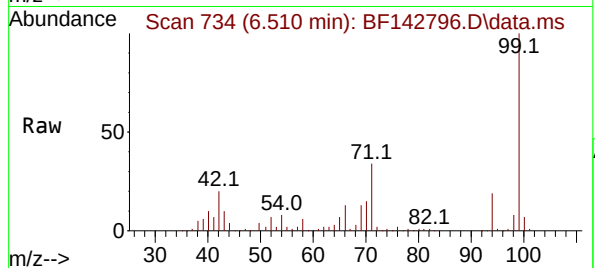
Tgt Ion: 99 Resp: 421918

Ion Ratio Lower Upper

99 100

42 19.8 15.9 23.9

71 34.1 27.8 41.8



#8

2-Chlorophenol

Concen: 42.036 ng

RT: 6.663 min Scan# 760

Delta R.T. 0.000 min

Lab File: BF142796.D

Acq: 19 Jun 2025 21:10

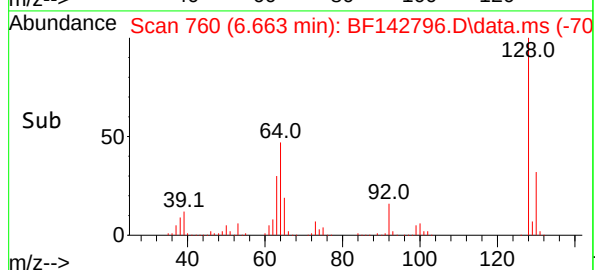
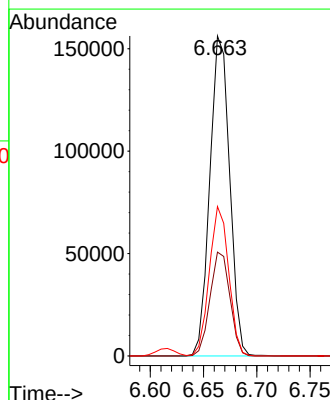
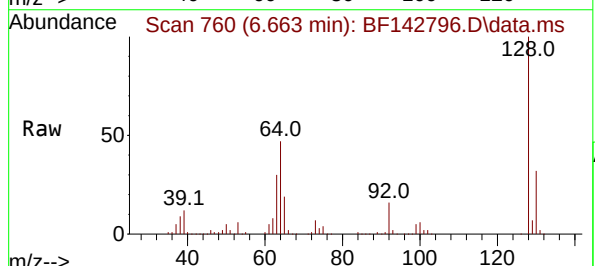
Tgt Ion:128 Resp: 202041

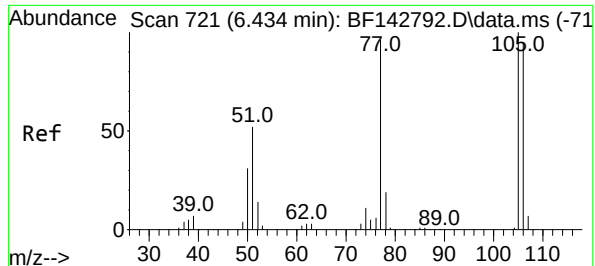
Ion Ratio Lower Upper

128 100

130 32.4 12.7 52.7

64 46.7 26.5 66.5





#9

Benzaldehyde

Concen: 47.511 ng

RT: 6.434 min Scan# 721

Delta R.T. -0.000 min

Lab File: BF142796.D

Acq: 19 Jun 2025 21:10

Instrument :

BNA_F

ClientSampleId :

ICVBF061925

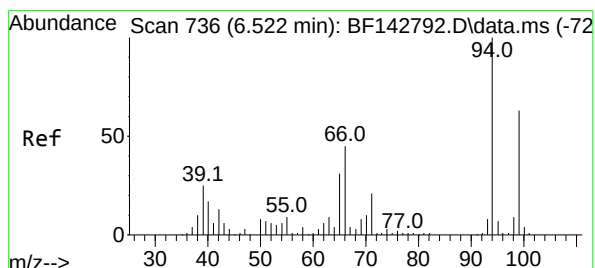
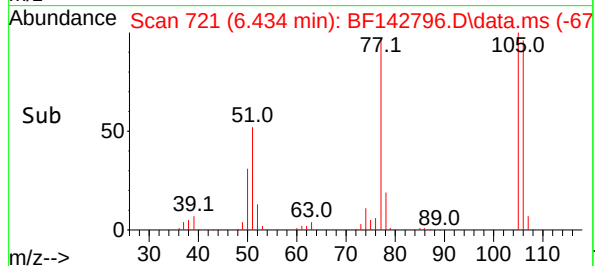
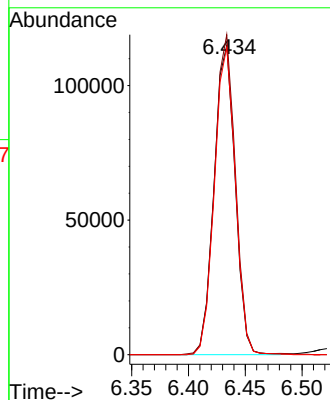
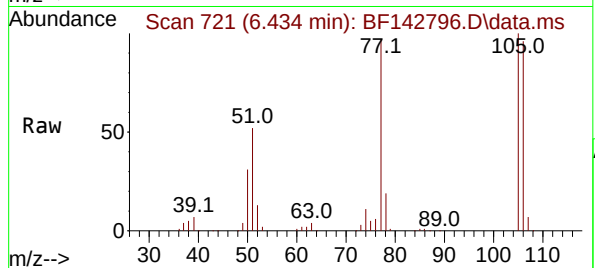
Tgt Ion: 77 Resp: 148174

Ion Ratio Lower Upper

77 100

105 103.4 83.8 123.8

106 99.4 78.7 118.7



#10

Phenol

Concen: 41.901 ng

RT: 6.522 min Scan# 736

Delta R.T. 0.000 min

Lab File: BF142796.D

Acq: 19 Jun 2025 21:10

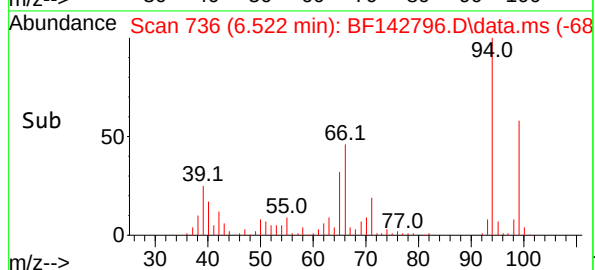
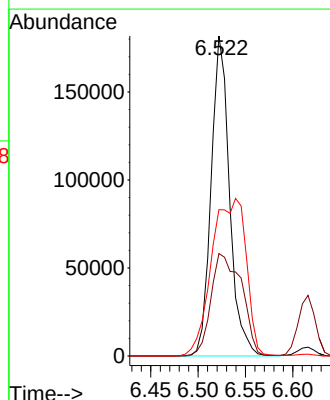
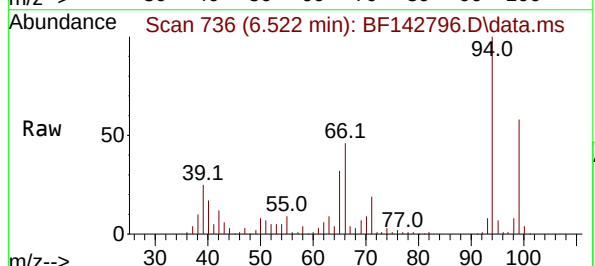
Tgt Ion: 94 Resp: 244839

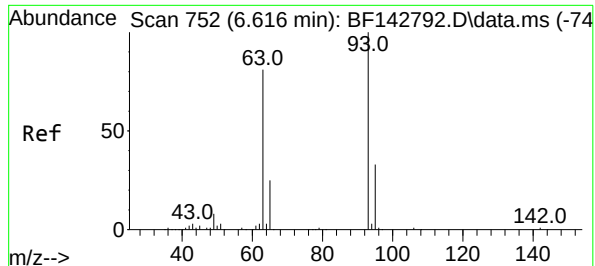
Ion Ratio Lower Upper

94 100

65 32.0 11.3 51.3

66 45.7 24.9 64.9





#11

bis(2-Chloroethyl)ether

Concen: 42.157 ng

RT: 6.616 min Scan# 752

Delta R.T. 0.000 min

Lab File: BF142796.D

Acq: 19 Jun 2025 21:10

Instrument :

BNA_F

ClientSampleId :

ICVBF061925

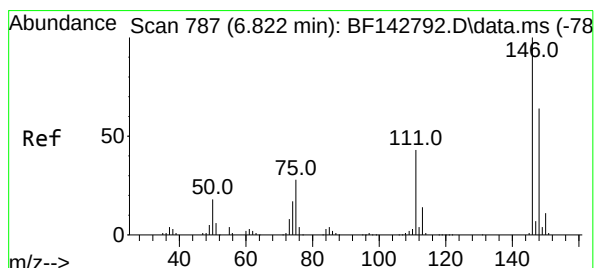
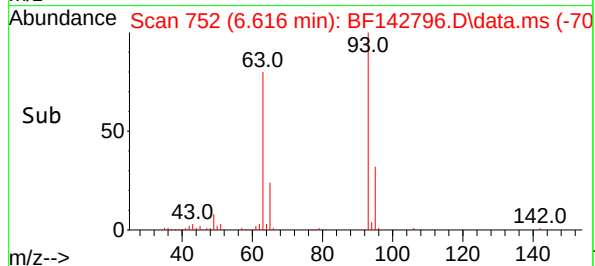
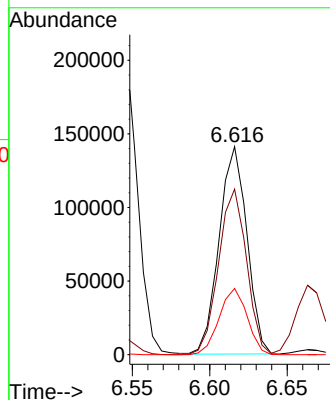
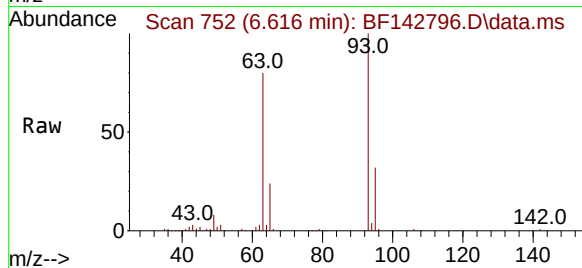
Tgt Ion: 93 Resp: 176058

Ion Ratio Lower Upper

93 100

63 79.6 60.3 100.3

95 31.9 12.5 52.5



#12

1,3-Dichlorobenzene

Concen: 42.568 ng

RT: 6.822 min Scan# 787

Delta R.T. 0.000 min

Lab File: BF142796.D

Acq: 19 Jun 2025 21:10

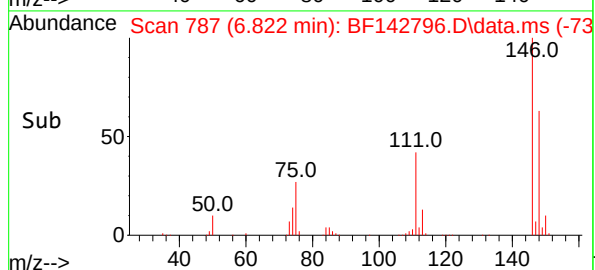
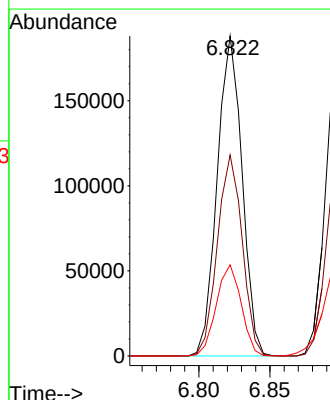
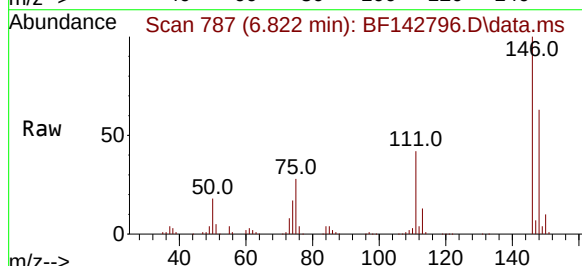
Tgt Ion:146 Resp: 228820

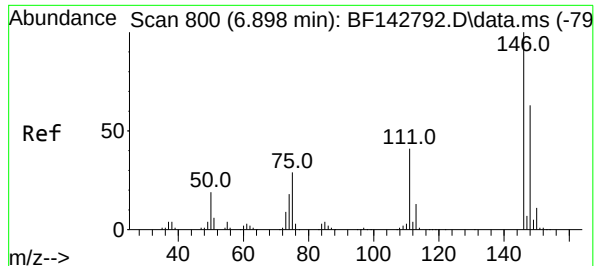
Ion Ratio Lower Upper

146 100

148 62.8 51.1 76.7

75 28.5 22.7 34.1





#13

1,4-Dichlorobenzene

Concen: 42.268 ng

RT: 6.898 min Scan# 800

Delta R.T. 0.000 min

Lab File: BF142796.D

Acq: 19 Jun 2025 21:10

Instrument :

BNA_F

ClientSampleId :

ICVBF061925

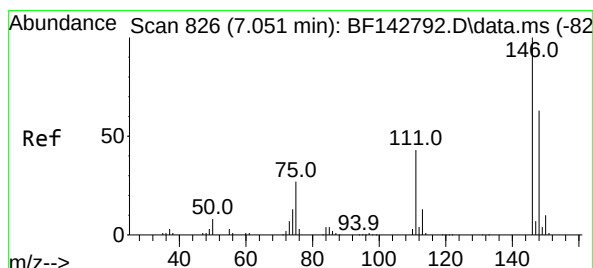
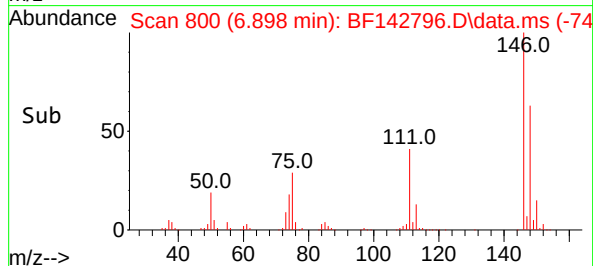
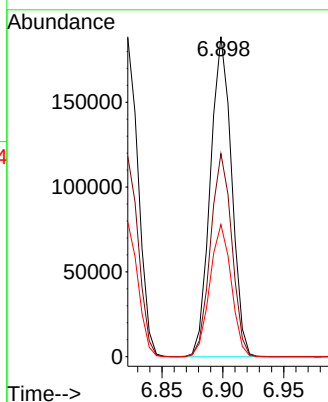
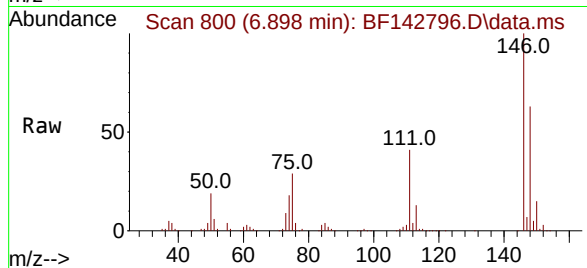
Tgt Ion:146 Resp: 229234

Ion Ratio Lower Upper

146 100

148 63.5 50.2 75.2

111 41.3 33.2 49.8



#14

1,2-Dichlorobenzene

Concen: 42.520 ng

RT: 7.051 min Scan# 826

Delta R.T. 0.000 min

Lab File: BF142796.D

Acq: 19 Jun 2025 21:10

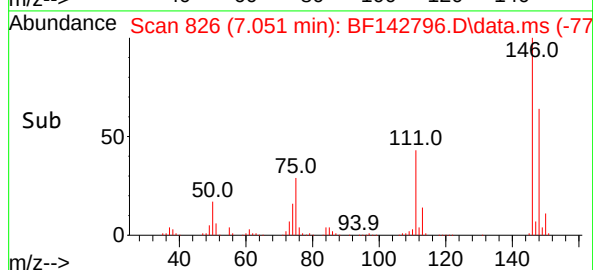
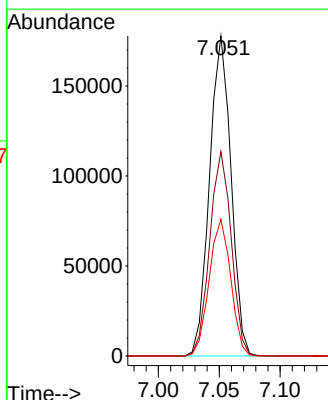
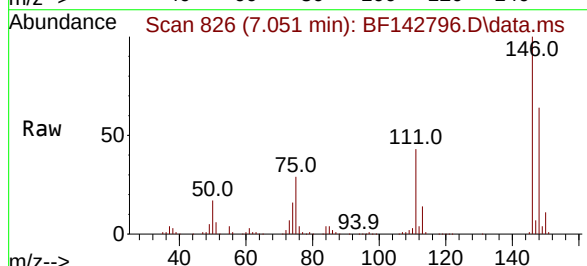
Tgt Ion:146 Resp: 218720

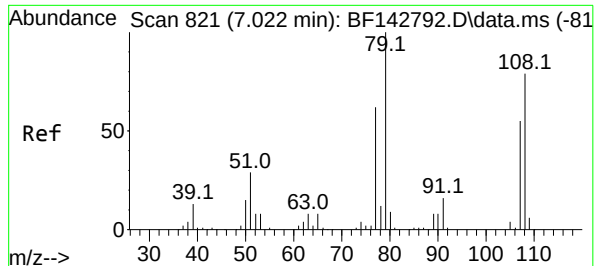
Ion Ratio Lower Upper

146 100

148 63.9 50.4 75.6

111 42.7 34.1 51.1





#15

Benzyl Alcohol

Concen: 42.114 ng

RT: 7.022 min Scan# 821

Delta R.T. 0.000 min

Lab File: BF142796.D

Acq: 19 Jun 2025 21:10

Instrument :

BNA_F

ClientSampleId :

ICVBF061925

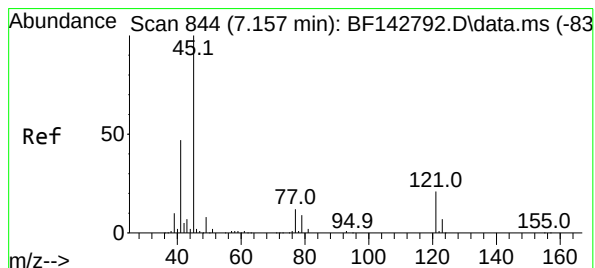
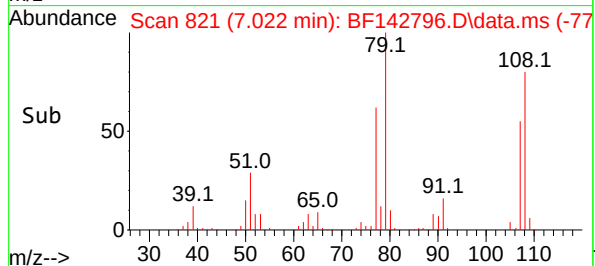
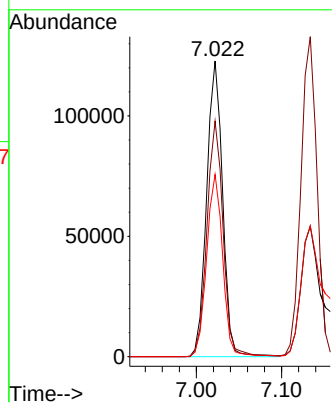
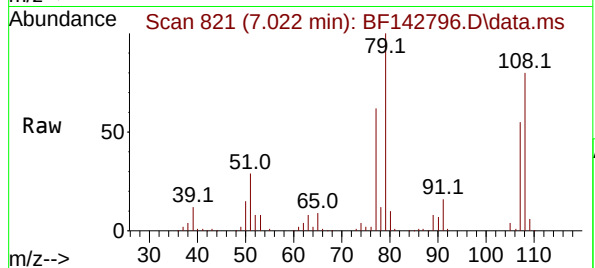
Tgt Ion: 79 Resp: 160044

Ion Ratio Lower Upper

79 100

108 79.6 63.4 95.0

77 61.7 49.5 74.3



#16

2,2'-oxybis(1-chloropropane)

Concen: 42.379 ng

RT: 7.157 min Scan# 844

Delta R.T. 0.000 min

Lab File: BF142796.D

Acq: 19 Jun 2025 21:10

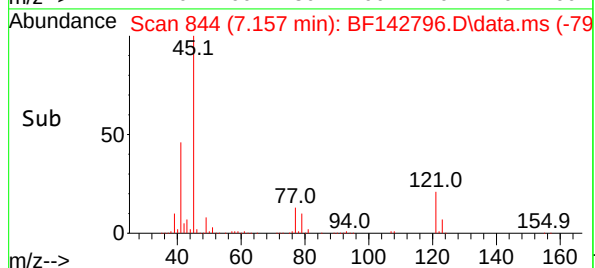
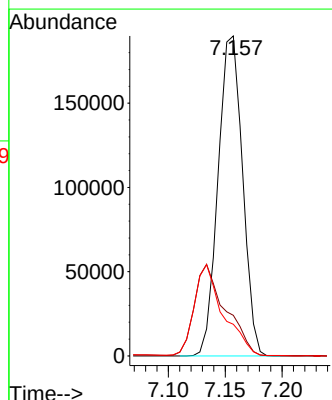
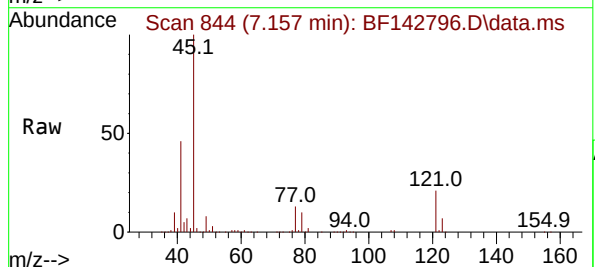
Tgt Ion: 45 Resp: 284352

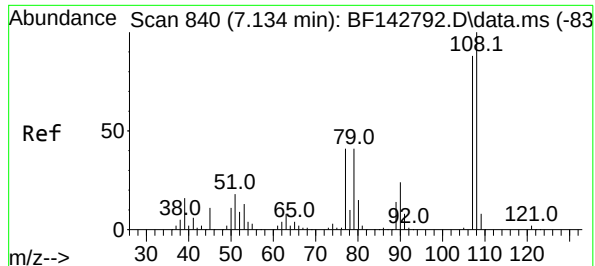
Ion Ratio Lower Upper

45 100

77 12.7 0.0 32.8

79 9.9 0.0 29.8

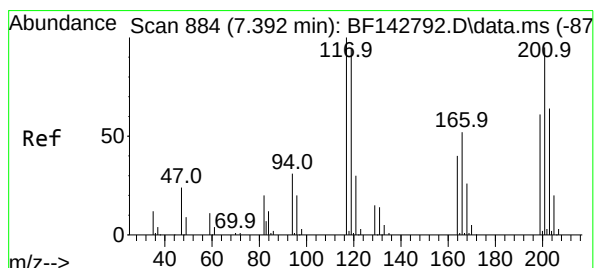
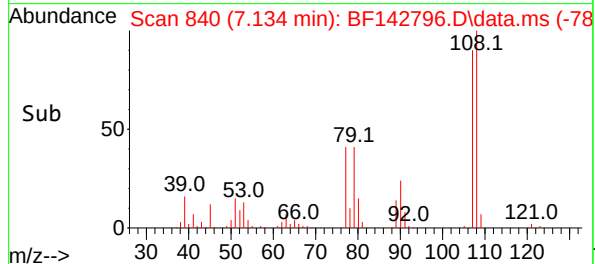
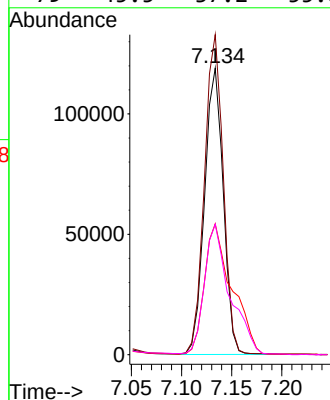
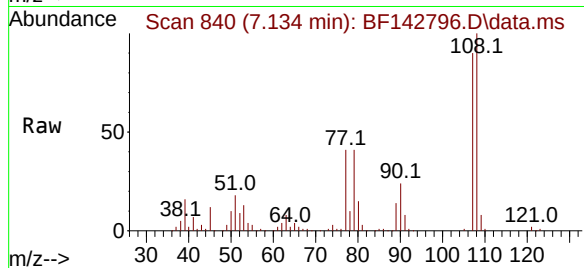




#17
2-Methylphenol
Concen: 42.485 ng
RT: 7.134 min Scan# 840
Delta R.T. 0.000 min
Lab File: BF142796.D
Acq: 19 Jun 2025 21:10

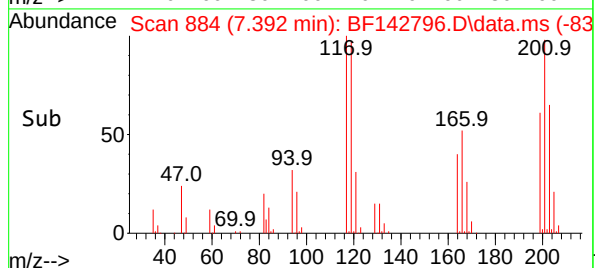
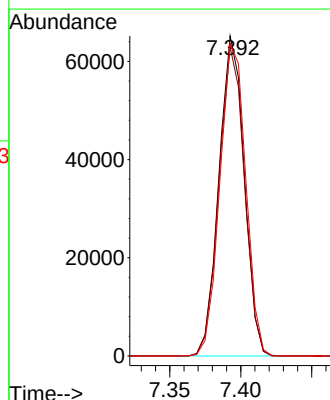
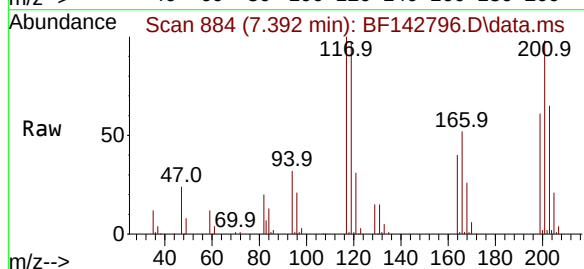
Instrument :
BNA_F
ClientSampleId :
ICVBF061925

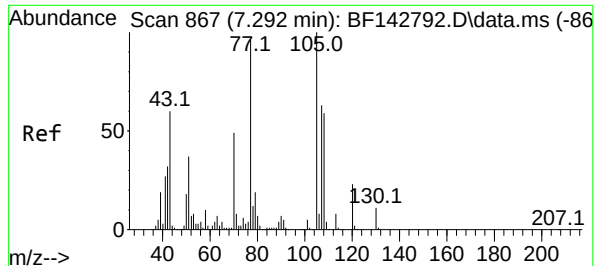
Tgt Ion	Ratio	Lower	Upper
107	100		
108	111.6	90.9	136.3
77	45.7	37.3	55.9
79	45.5	37.2	55.8



#18
Hexachloroethane
Concen: 42.589 ng
RT: 7.392 min Scan# 884
Delta R.T. 0.000 min
Lab File: BF142796.D
Acq: 19 Jun 2025 21:10

Tgt Ion	Ratio	Lower	Upper
117	100		
119	96.6	75.4	113.0
201	97.7	75.9	113.9





#19

n-Nitroso-di-n-propylamine

Concen: 41.640 ng

RT: 7.292 min Scan# 867

Delta R.T. 0.000 min

Lab File: BF142796.D

Acq: 19 Jun 2025 21:10

Instrument :

BNA_F

ClientSampleId :

ICVBF061925

Tgt Ion: 70 Resp: 127308

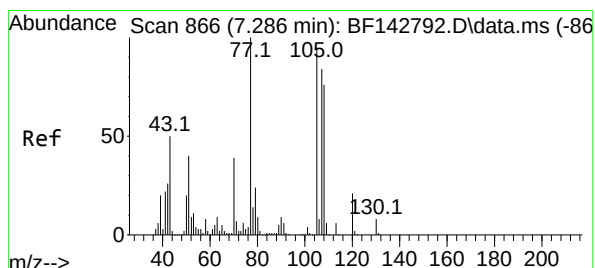
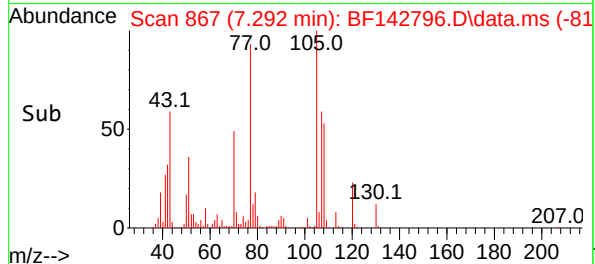
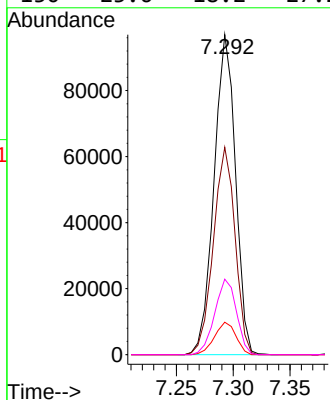
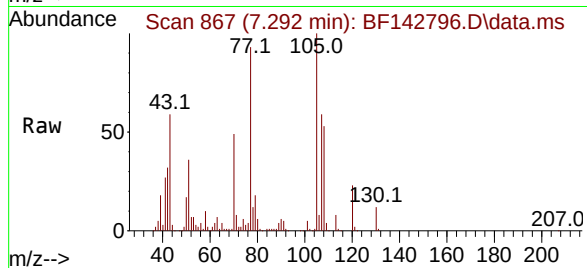
Ion Ratio Lower Upper

70 100

42 64.8 52.1 78.1

101 10.1 8.2 12.2

130 23.6 18.2 27.2



#20

3+4-Methylphenols

Concen: 42.904 ng

RT: 7.287 min Scan# 866

Delta R.T. 0.000 min

Lab File: BF142796.D

Acq: 19 Jun 2025 21:10

Tgt Ion:107 Resp: 194841

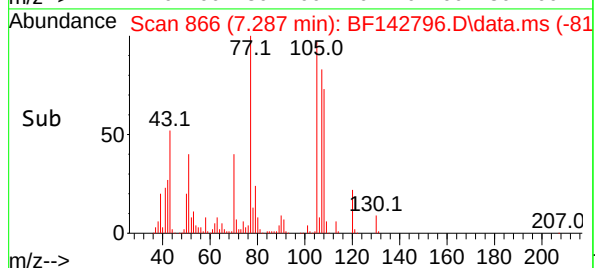
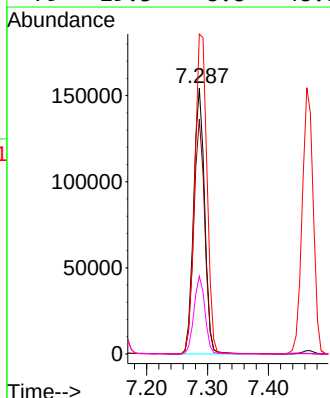
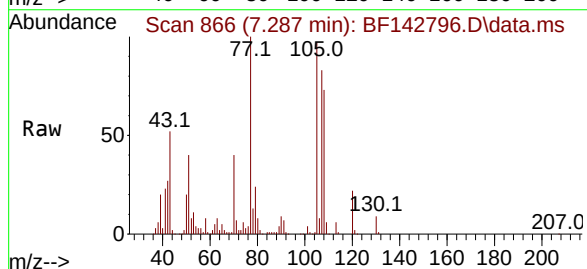
Ion Ratio Lower Upper

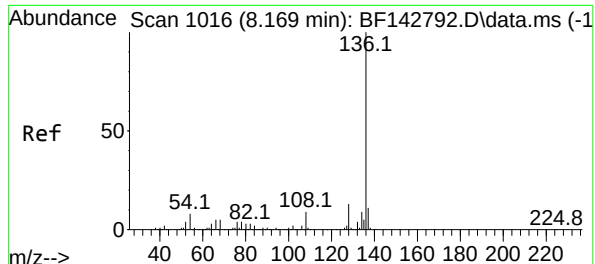
107 100

108 88.3 70.0 110.0

77 120.4 98.5 138.5

79 29.3 8.8 48.8

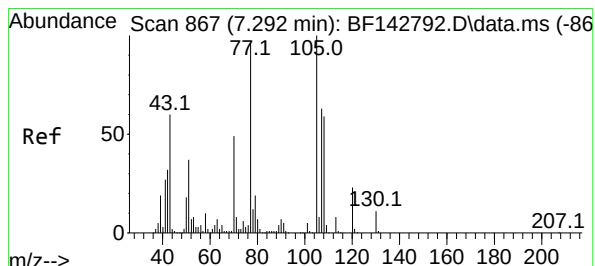
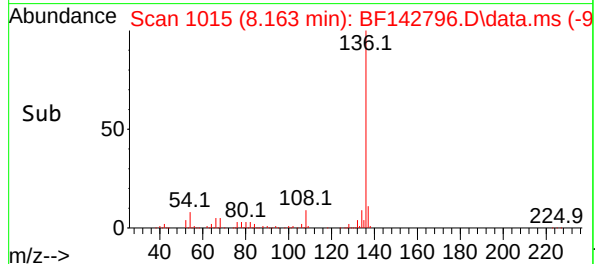
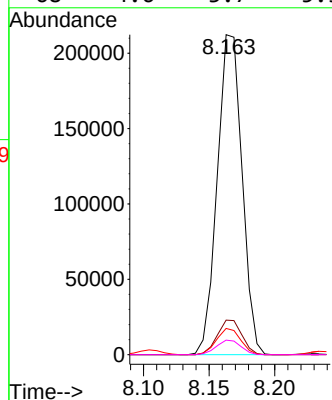
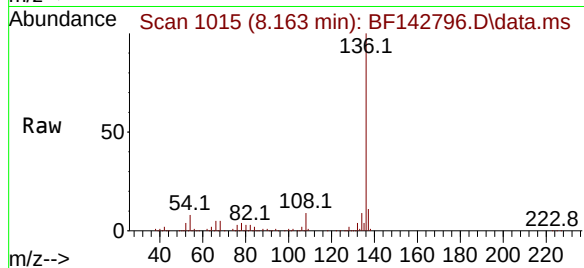




#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.163 min Scan# 1015
Delta R.T. -0.006 min
Lab File: BF142796.D
Acq: 19 Jun 2025 21:10

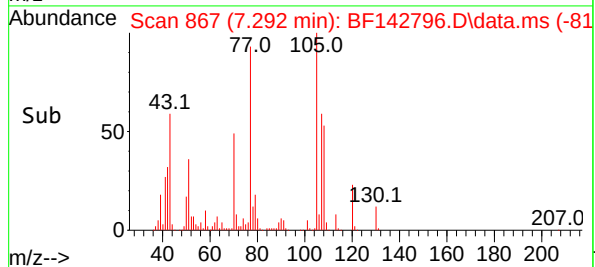
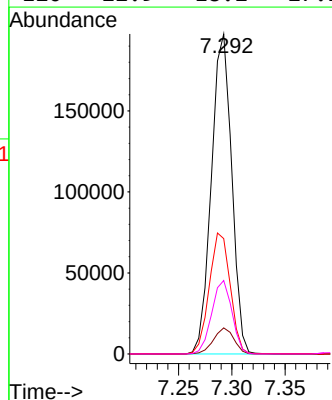
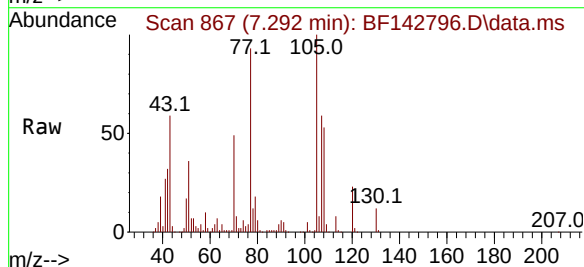
Instrument :
BNA_F
ClientSampleId :
ICVBF061925

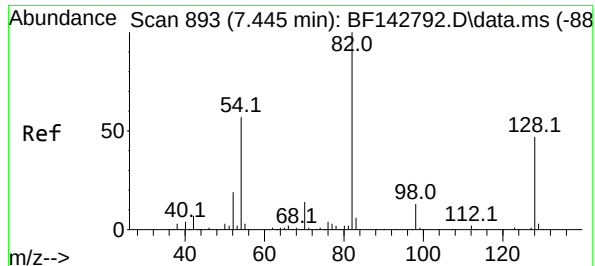
Tgt Ion:136 Resp: 279139
Ion Ratio Lower Upper
136 100
137 10.8 8.4 12.6
54 8.2 6.3 9.5
68 4.6 3.7 5.5



#22
Acetophenone
Concen: 42.478 ng
RT: 7.292 min Scan# 867
Delta R.T. 0.000 min
Lab File: BF142796.D
Acq: 19 Jun 2025 21:10

Tgt Ion:105 Resp: 261474
Ion Ratio Lower Upper
105 100
71 8.1 6.5 9.7
51 36.0 29.8 44.8
120 22.9 18.2 27.2





#23

Nitrobenzene-d5

Concen: 73.334 ng

RT: 7.445 min Scan# 893

Delta R.T. 0.000 min

Lab File: BF142796.D

Acq: 19 Jun 2025 21:10

Instrument :

BNA_F

ClientSampleId :

ICVBF061925

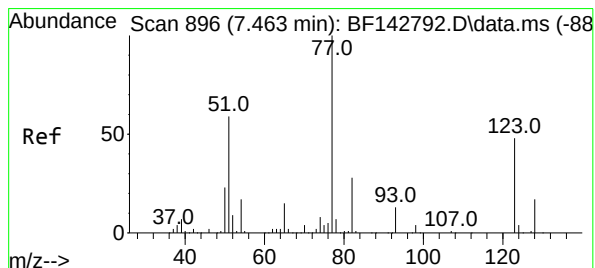
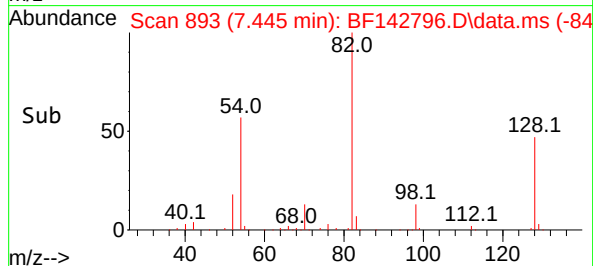
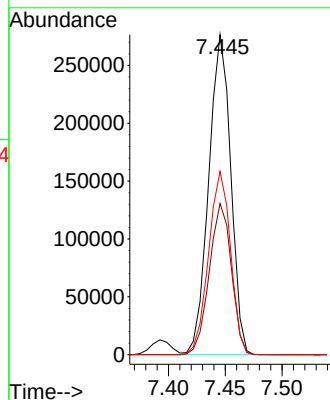
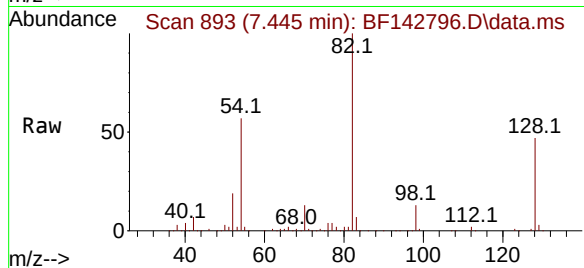
Tgt Ion: 82 Resp: 373199

Ion Ratio Lower Upper

82 100

128 47.2 37.7 56.5

54 57.3 45.7 68.5



#24

Nitrobenzene

Concen: 41.968 ng

RT: 7.463 min Scan# 896

Delta R.T. 0.000 min

Lab File: BF142796.D

Acq: 19 Jun 2025 21:10

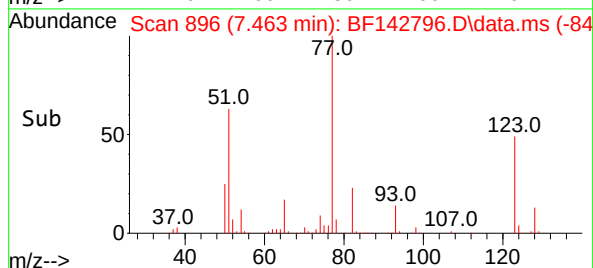
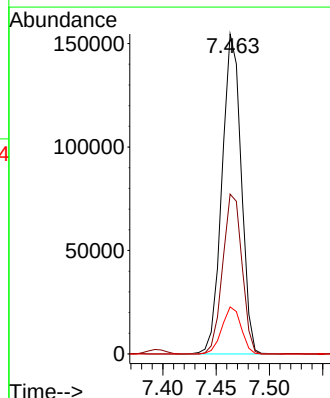
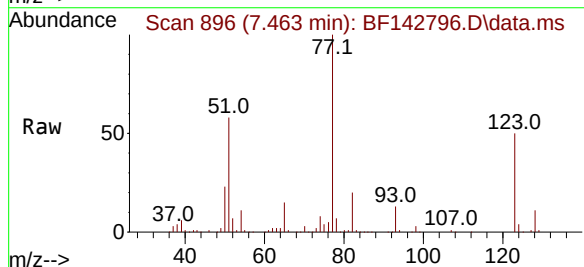
Tgt Ion: 77 Resp: 193310

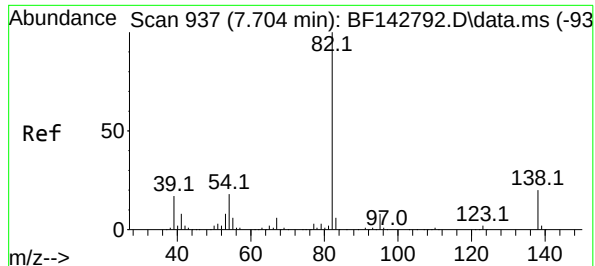
Ion Ratio Lower Upper

77 100

123 50.0 39.2 58.8

65 14.7 11.6 17.4

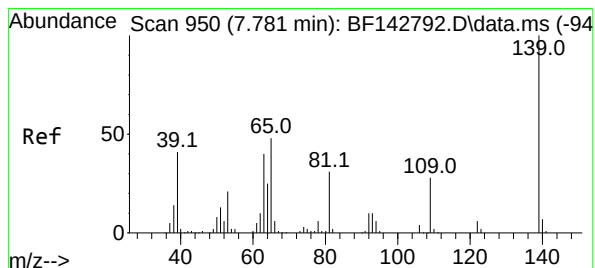
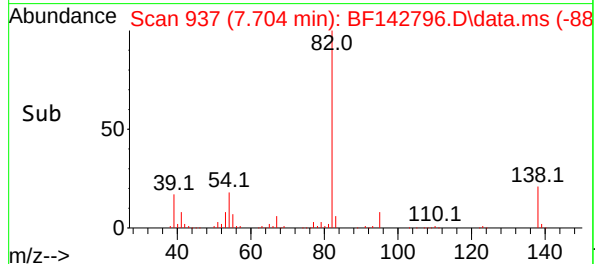
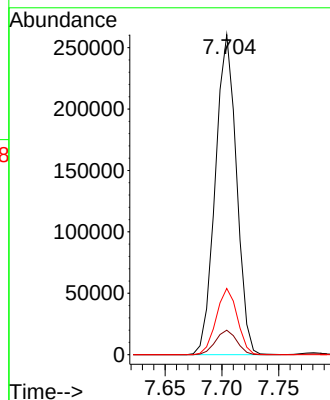
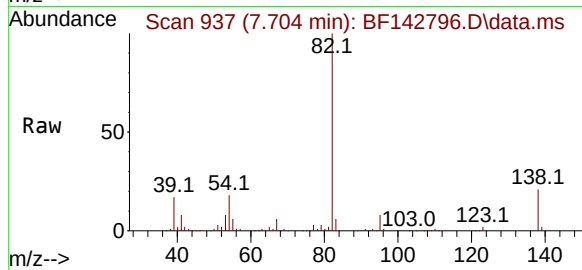




#25
Isophorone
Concen: 41.403 ng
RT: 7.704 min Scan# 91
Delta R.T. 0.000 min
Lab File: BF142796.D
Acq: 19 Jun 2025 21:10

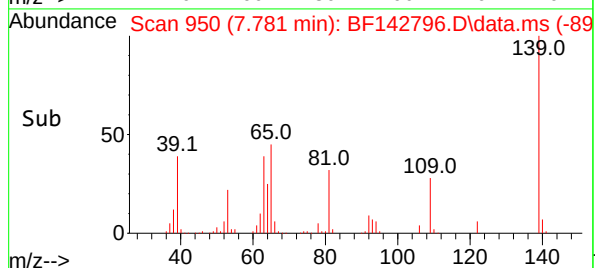
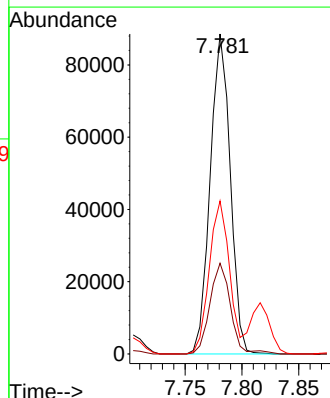
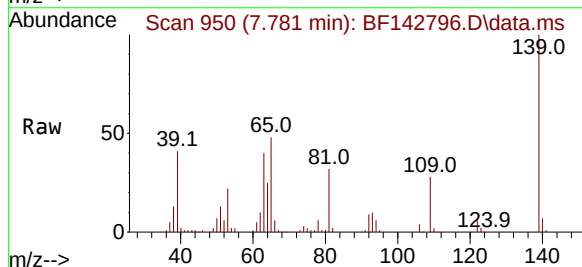
Instrument :
BNA_F
ClientSampleId :
ICVBF061925

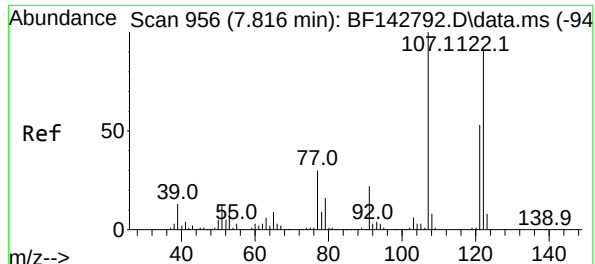
Tgt Ion:	82	Resp:	338001
Ion	Ratio	Lower	Upper
82	100		
95	7.7	6.2	9.2
138	20.7	16.2	24.4



#26
2-Nitrophenol
Concen: 43.224 ng
RT: 7.781 min Scan# 950
Delta R.T. 0.000 min
Lab File: BF142796.D
Acq: 19 Jun 2025 21:10

Tgt Ion:	139	Resp:	108455
Ion	Ratio	Lower	Upper
139	100		
109	28.4	22.7	34.1
65	47.8	38.6	58.0





#27

2,4-Dimethylphenol

Concen: 42.168 ng

RT: 7.816 min Scan# 91

Delta R.T. 0.000 min

Lab File: BF142796.D

Acq: 19 Jun 2025 21:10

Instrument :

BNA_F

ClientSampleId :

ICVBF061925

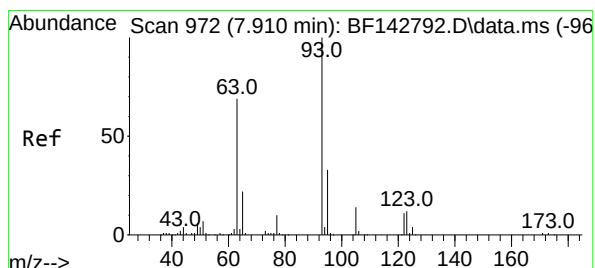
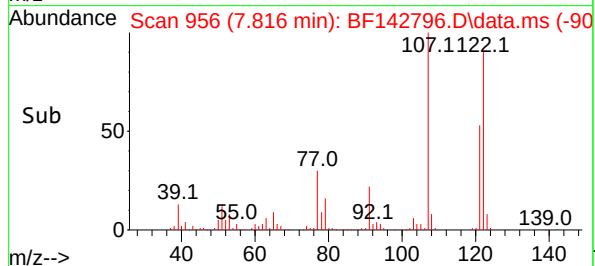
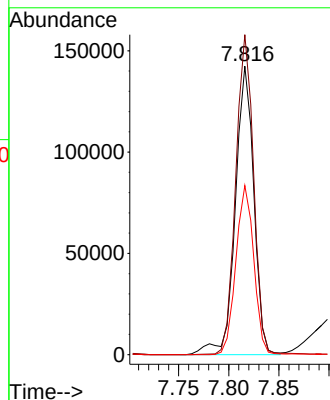
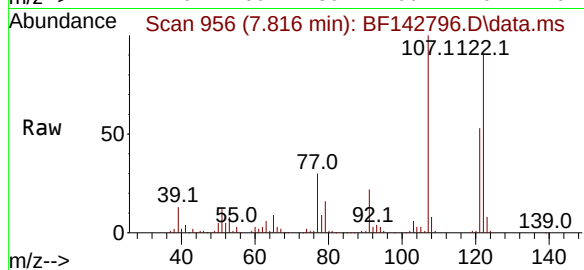
Tgt Ion:122 Resp: 183273

Ion Ratio Lower Upper

122 100

107 110.9 88.0 132.0

121 58.6 46.3 69.5



#28

bis(2-Chloroethoxy)methane

Concen: 41.960 ng

RT: 7.910 min Scan# 972

Delta R.T. 0.000 min

Lab File: BF142796.D

Acq: 19 Jun 2025 21:10

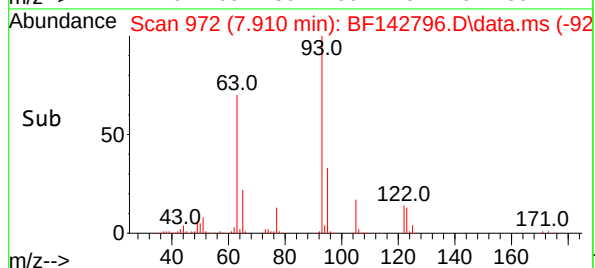
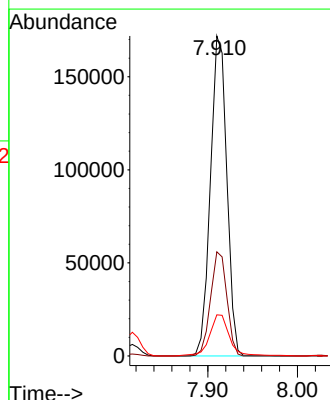
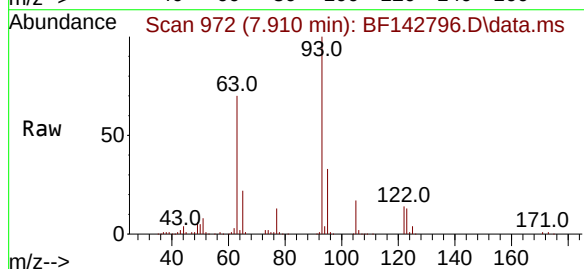
Tgt Ion: 93 Resp: 217774

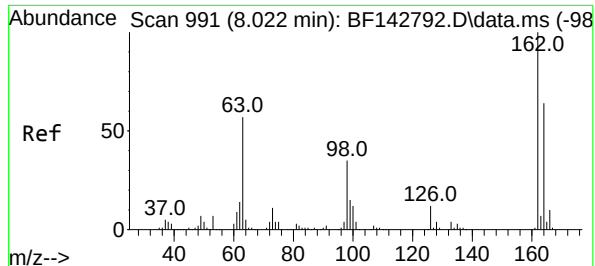
Ion Ratio Lower Upper

93 100

95 32.5 26.2 39.2

123 12.9 9.9 14.9





#29

2,4-Dichlorophenol

Concen: 42.196 ng

RT: 8.022 min Scan# 991

Delta R.T. 0.000 min

Lab File: BF142796.D

Acq: 19 Jun 2025 21:10

Instrument :

BNA_F

ClientSampleId :

ICVBF061925

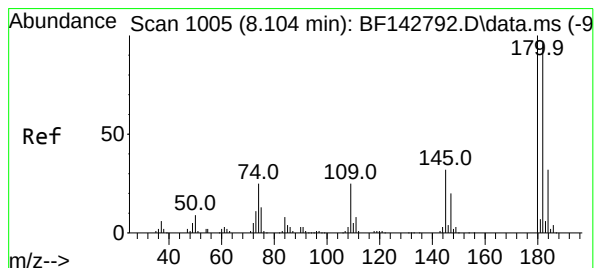
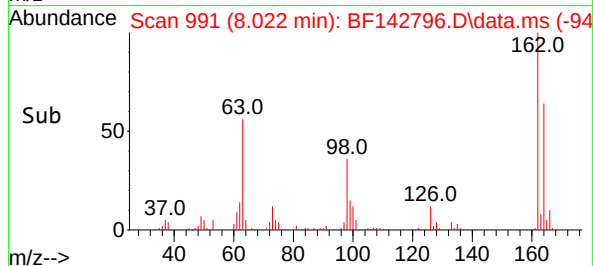
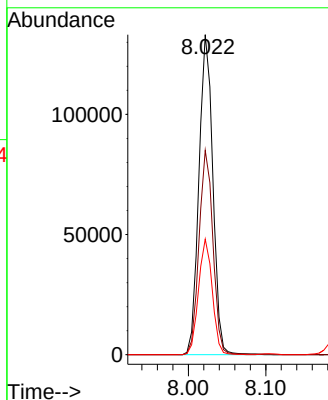
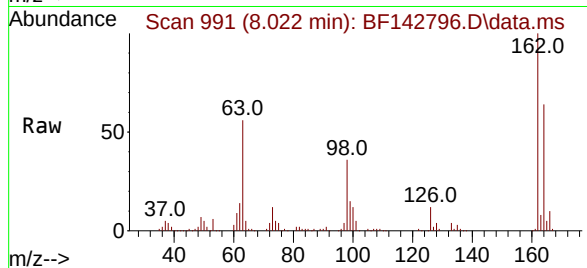
Tgt Ion:162 Resp: 166286

Ion Ratio Lower Upper

162 100

164 63.8 44.0 84.0

98 36.1 15.4 55.4



#30

1,2,4-Trichlorobenzene

Concen: 42.177 ng

RT: 8.104 min Scan# 1005

Delta R.T. 0.000 min

Lab File: BF142796.D

Acq: 19 Jun 2025 21:10

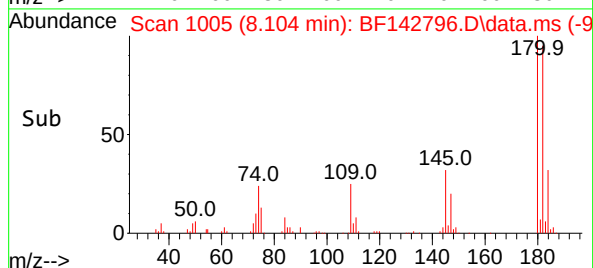
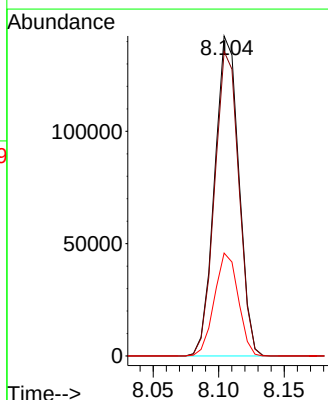
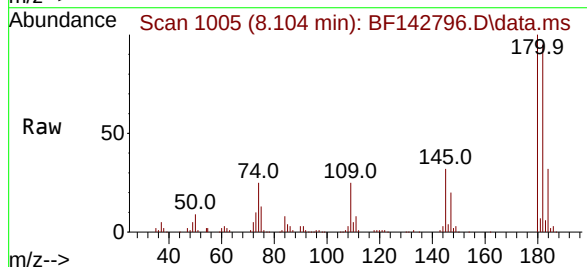
Tgt Ion:180 Resp: 182768

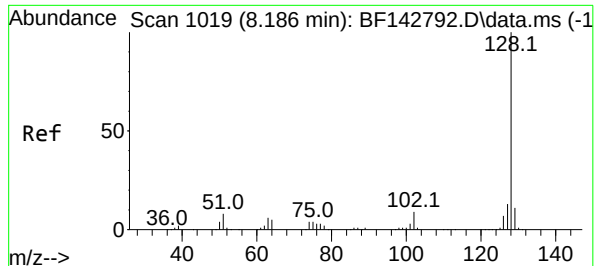
Ion Ratio Lower Upper

180 100

182 95.1 76.4 114.6

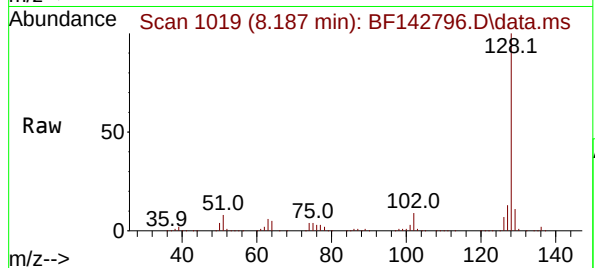
145 32.1 25.8 38.8



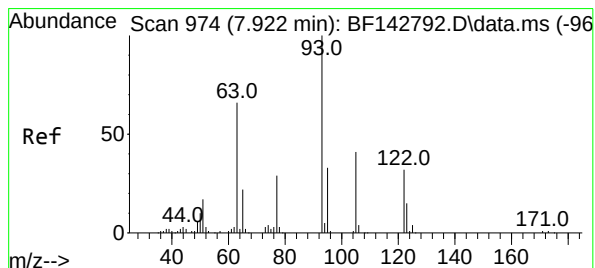
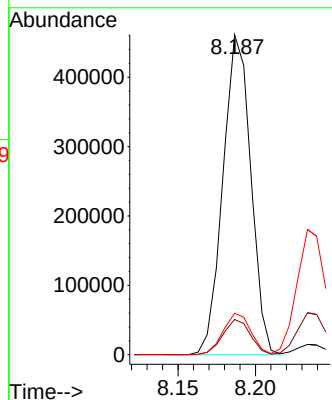
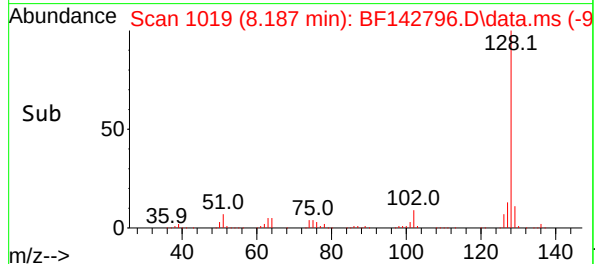


#31
Naphthalene
Concen: 42.218 ng
RT: 8.187 min Scan# 1019
Delta R.T. 0.000 min
Lab File: BF142796.D
Acq: 19 Jun 2025 21:10

Instrument :
BNA_F
ClientSampleId :
ICVBF061925

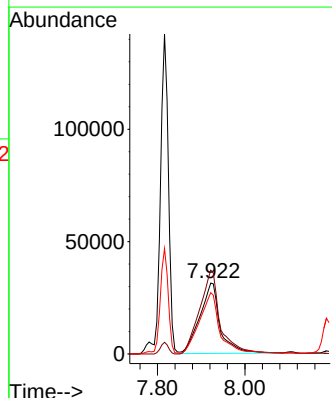
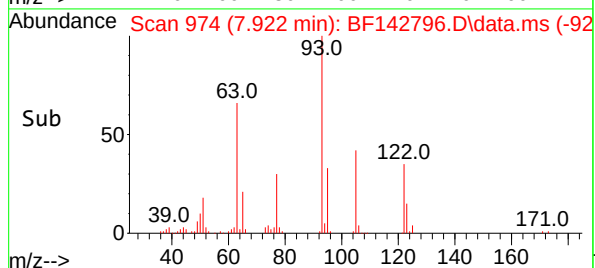
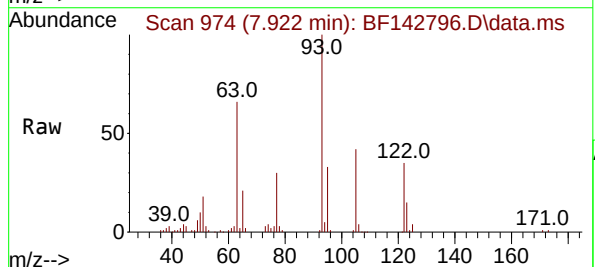


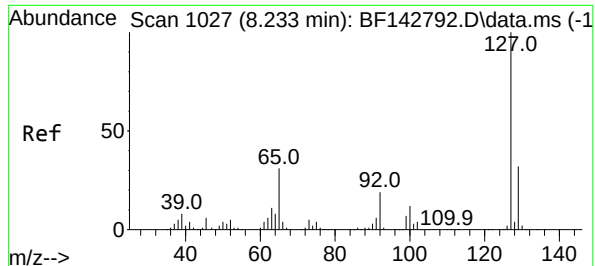
Tgt Ion:128 Resp: 576847
Ion Ratio Lower Upper
128 100
129 11.0 8.9 13.3
127 12.9 10.4 15.6



#32
Benzoic acid
Concen: 45.685 ng
RT: 7.922 min Scan# 974
Delta R.T. 0.000 min
Lab File: BF142796.D
Acq: 19 Jun 2025 21:10

Tgt Ion:122 Resp: 101203
Ion Ratio Lower Upper
122 100
105 118.1 104.7 144.7
77 86.4 70.2 110.2





#33

4-Chloroaniline

Concen: 41.766 ng

RT: 8.234 min Scan# 1027

Delta R.T. 0.000 min

Lab File: BF142796.D

Acq: 19 Jun 2025 21:10

Instrument :

BNA_F

ClientSampleId :

ICVBF061925

Tgt Ion:127 Resp: 232045

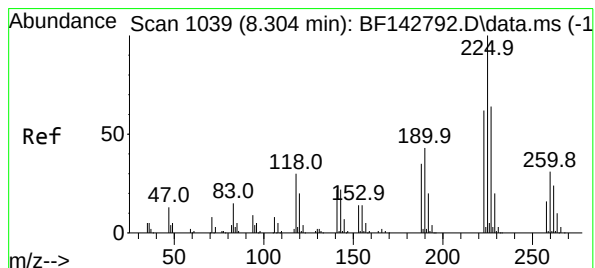
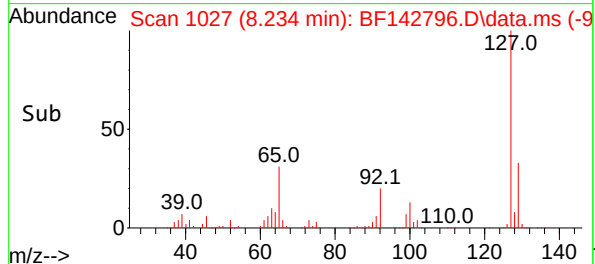
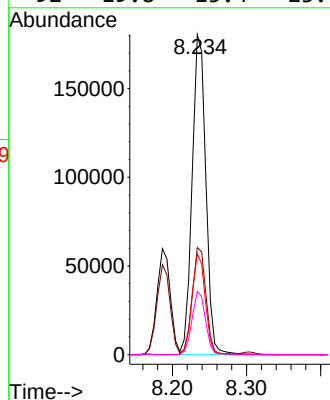
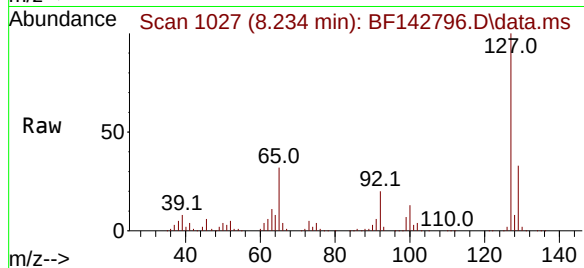
Ion Ratio Lower Upper

127 100

129 33.5 25.9 38.9

65 31.6 24.6 36.8

92 19.8 15.4 23.0



#34

Hexachlorobutadiene

Concen: 42.657 ng

RT: 8.304 min Scan# 1039

Delta R.T. 0.000 min

Lab File: BF142796.D

Acq: 19 Jun 2025 21:10

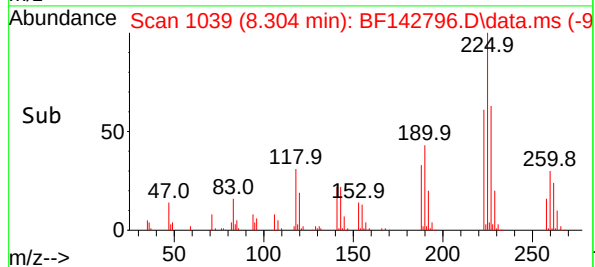
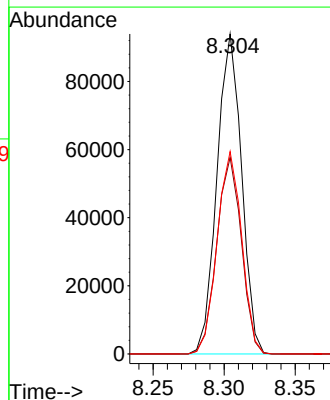
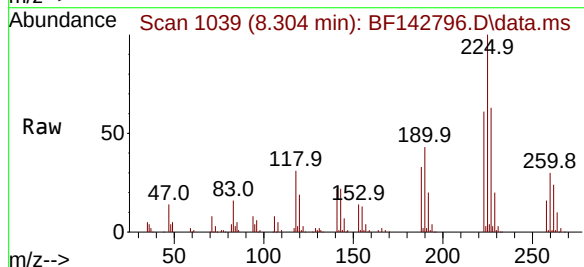
Tgt Ion:225 Resp: 113068

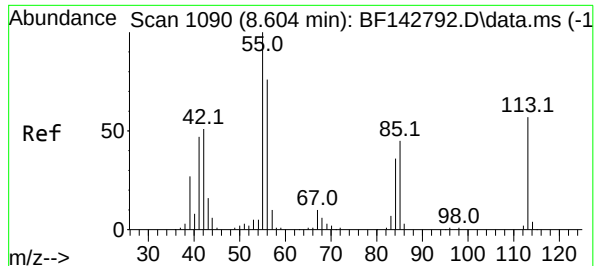
Ion Ratio Lower Upper

225 100

223 61.4 49.9 74.9

227 63.3 51.4 77.0

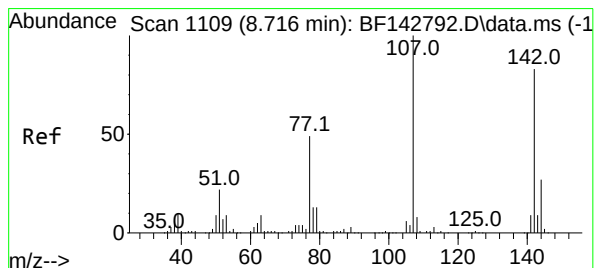
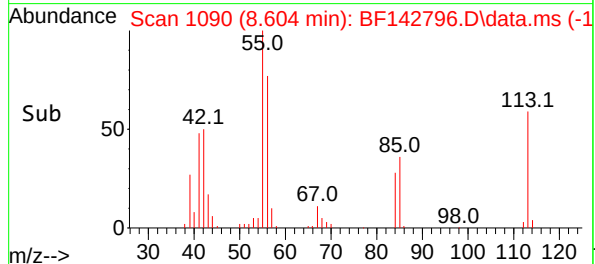
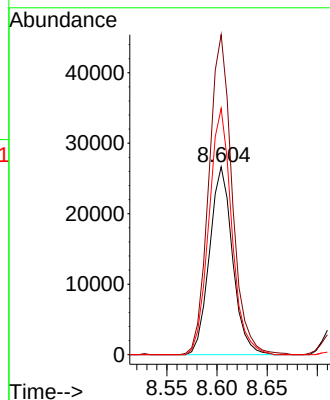
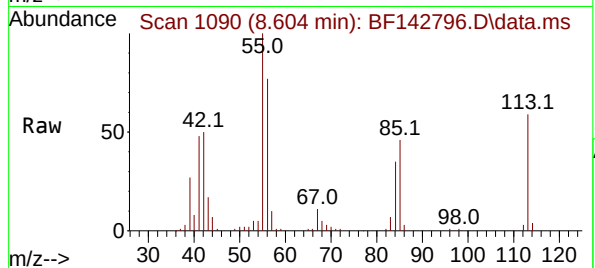




#35
Caprolactam
Concen: 40.928 ng
RT: 8.604 min Scan# 1090
Delta R.T. 0.000 min
Lab File: BF142796.D
Acq: 19 Jun 2025 21:10

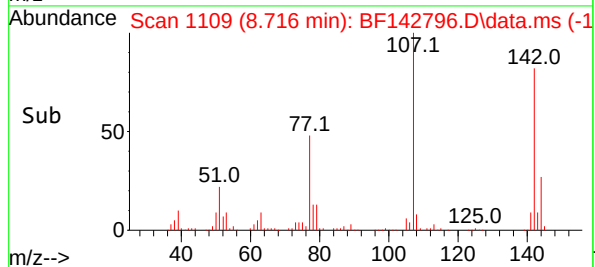
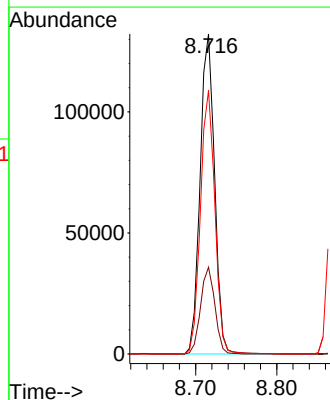
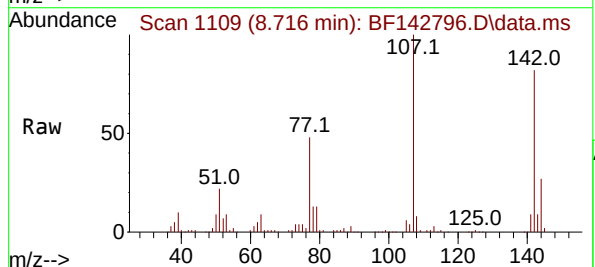
Instrument :
BNA_F
ClientSampleId :
ICVBF061925

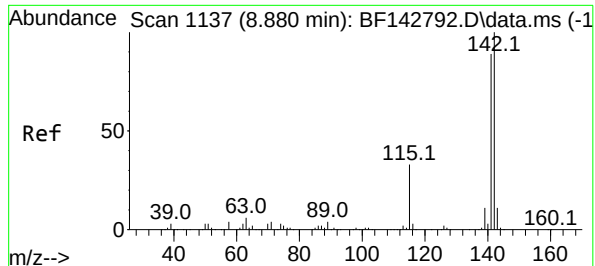
Tgt Ion:113 Resp: 42561
Ion Ratio Lower Upper
113 100
55 170.4 154.4 194.4
56 131.1 112.1 152.1



#36
4-Chloro-3-methylphenol
Concen: 41.890 ng
RT: 8.716 min Scan# 1109
Delta R.T. 0.000 min
Lab File: BF142796.D
Acq: 19 Jun 2025 21:10

Tgt Ion:107 Resp: 164064
Ion Ratio Lower Upper
107 100
144 27.1 21.3 31.9
142 82.4 66.6 100.0





#37

2-Methylnaphthalene

Concen: 41.730 ng

RT: 8.881 min Scan# 1137

Delta R.T. 0.000 min

Lab File: BF142796.D

Acq: 19 Jun 2025 21:10

Instrument :

BNA_F

ClientSampleId :

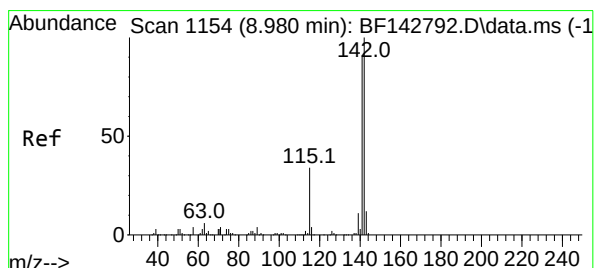
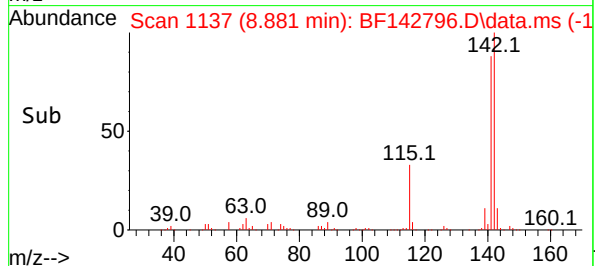
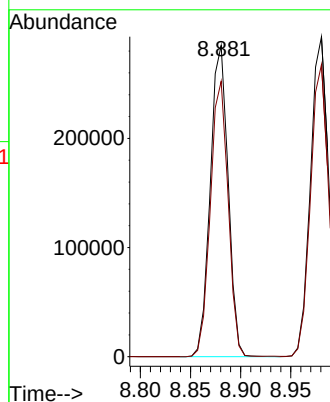
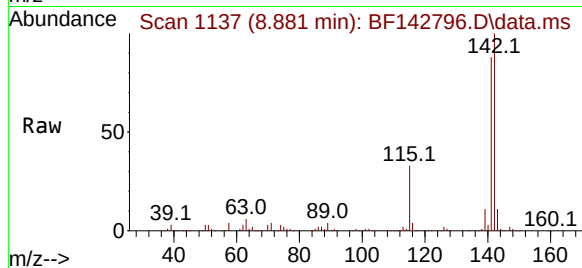
ICVBF061925

Tgt Ion:142 Resp: 353484

Ion Ratio Lower Upper

142 100

141 88.5 70.9 106.3



#38

1-Methylnaphthalene

Concen: 41.554 ng

RT: 8.981 min Scan# 1154

Delta R.T. 0.000 min

Lab File: BF142796.D

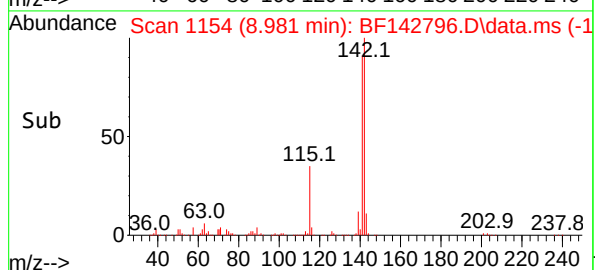
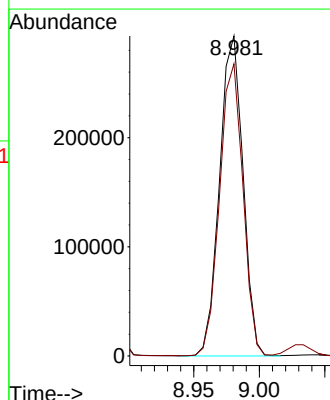
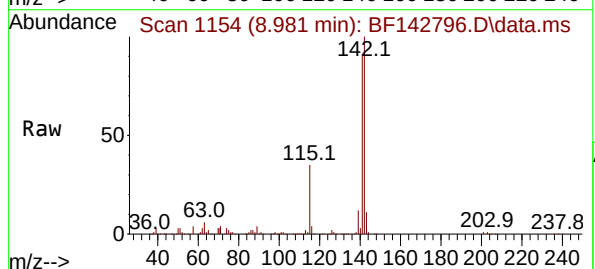
Acq: 19 Jun 2025 21:10

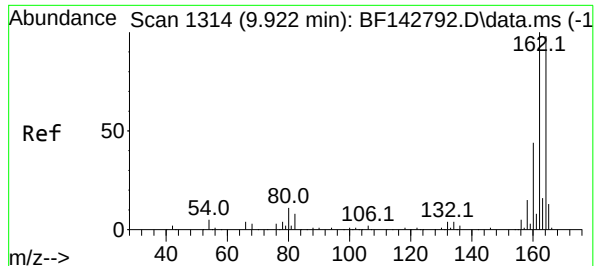
Tgt Ion:142 Resp: 364378

Ion Ratio Lower Upper

142 100

141 91.3 73.0 109.4





#39

Acenaphthene-d10

Concen: 20.000 ng

RT: 9.922 min Scan# 11

Delta R.T. 0.000 min

Lab File: BF142796.D

Acq: 19 Jun 2025 21:10

Instrument :

BNA_F

ClientSampleId :

ICVBF061925

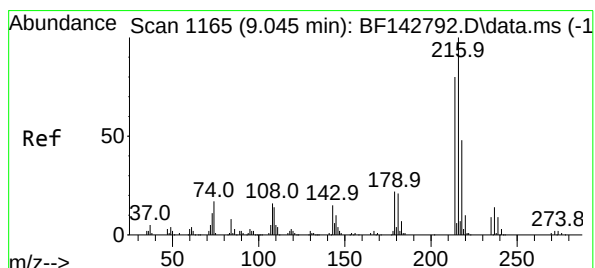
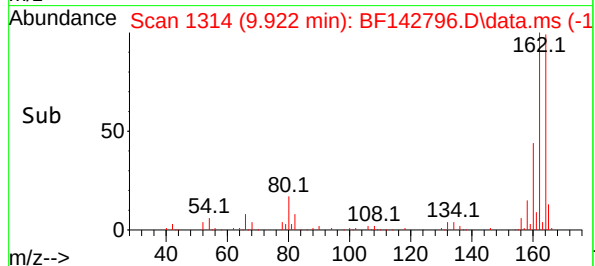
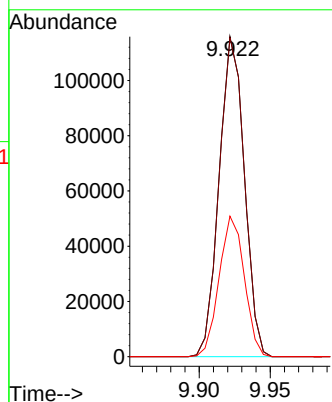
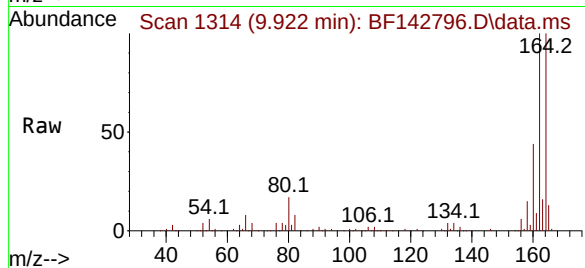
Tgt Ion:164 Resp: 142968

Ion Ratio Lower Upper

164 100

162 99.6 81.8 122.8

160 43.9 36.0 54.0



#40

1,2,4,5-Tetrachlorobenzene

Concen: 43.233 ng

RT: 9.045 min Scan# 1165

Delta R.T. 0.000 min

Lab File: BF142796.D

Acq: 19 Jun 2025 21:10

Tgt Ion:216 Resp: 182379

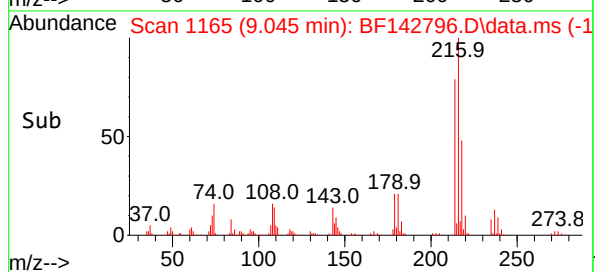
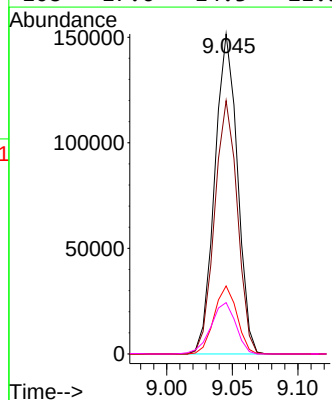
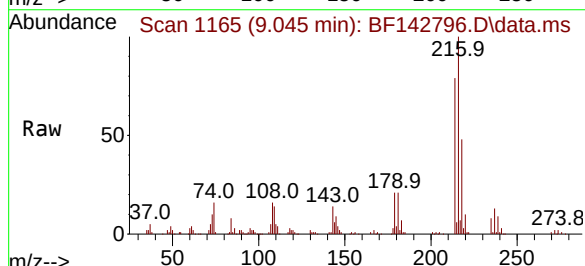
Ion Ratio Lower Upper

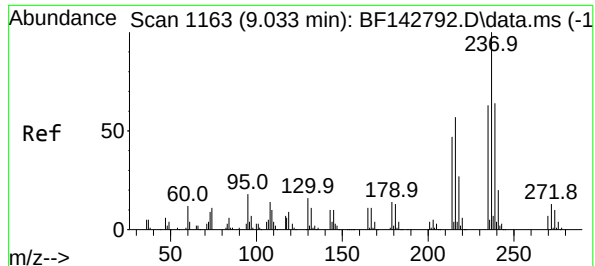
216 100

214 79.1 63.7 95.5

179 21.3 17.6 26.4

108 17.6 14.3 21.5

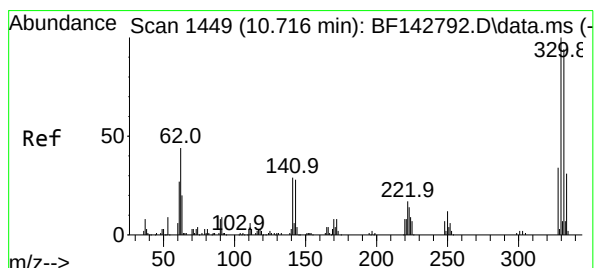
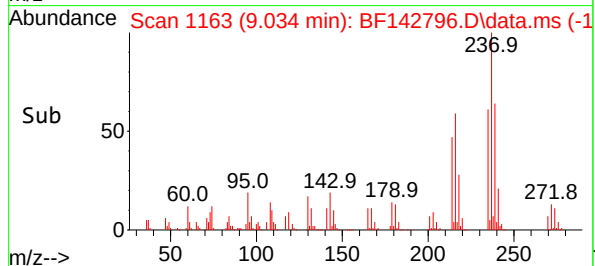
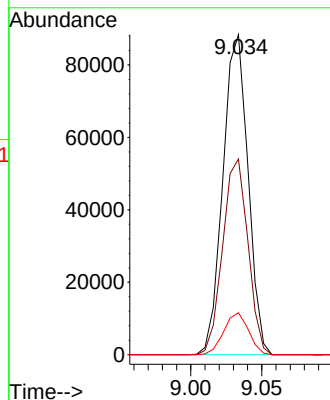
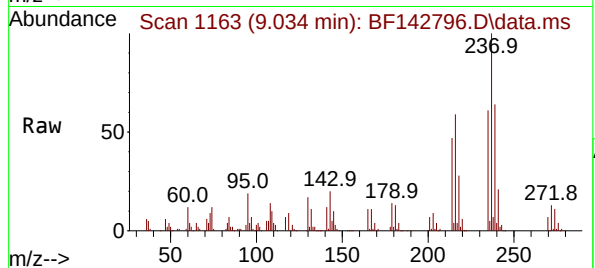




#41
Hexachlorocyclopentadiene
Concen: 45.361 ng
RT: 9.034 min Scan# 1163
Delta R.T. 0.000 min
Lab File: BF142796.D
Acq: 19 Jun 2025 21:10

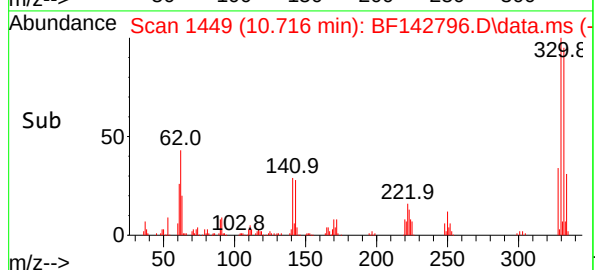
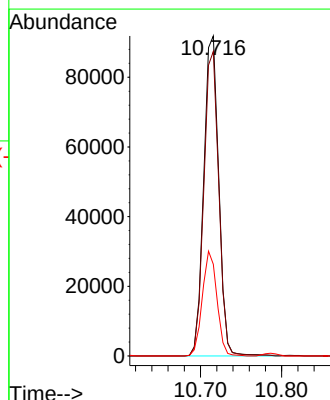
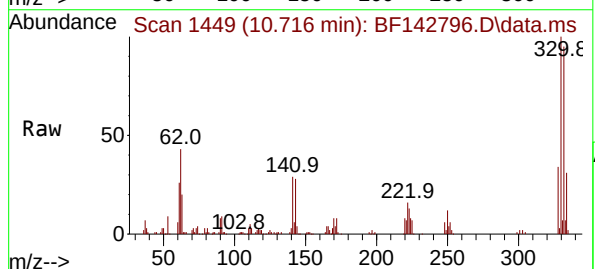
Instrument :
BNA_F
ClientSampleId :
ICVBF061925

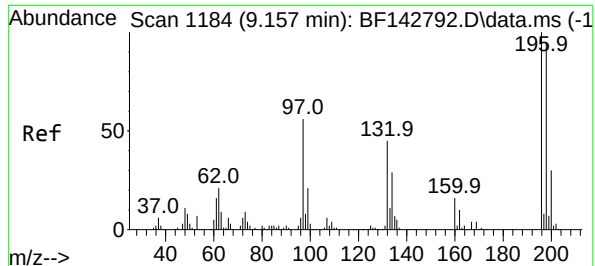
Tgt Ion:237 Resp: 108592
Ion Ratio Lower Upper
237 100
235 61.2 43.4 83.4
272 13.1 0.0 32.7



#42
2,4,6-Tribromophenol
Concen: 80.065 ng
RT: 10.716 min Scan# 1449
Delta R.T. -0.000 min
Lab File: BF142796.D
Acq: 19 Jun 2025 21:10

Tgt Ion:330 Resp: 117795
Ion Ratio Lower Upper
330 100
332 94.8 75.0 112.6
141 31.9 25.3 37.9





#43

2,4,6-Trichlorophenol

Concen: 42.543 ng

RT: 9.157 min Scan# 1184

Delta R.T. 0.000 min

Lab File: BF142796.D

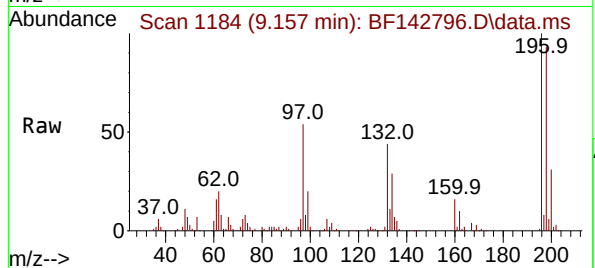
Acq: 19 Jun 2025 21:10

Instrument :

BNA_F

ClientSampleId :

ICVBF061925



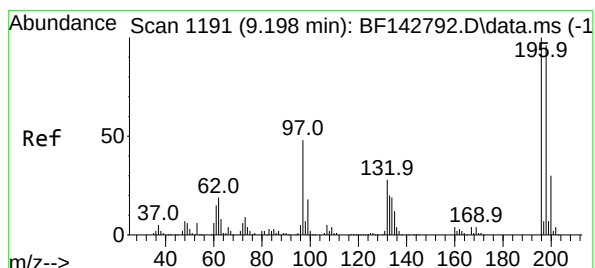
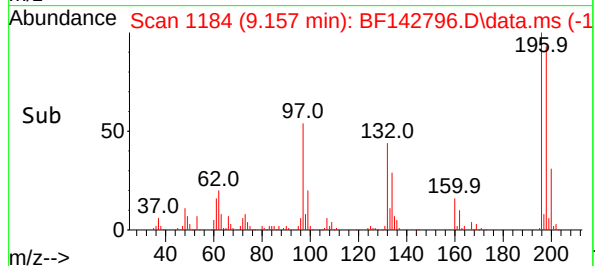
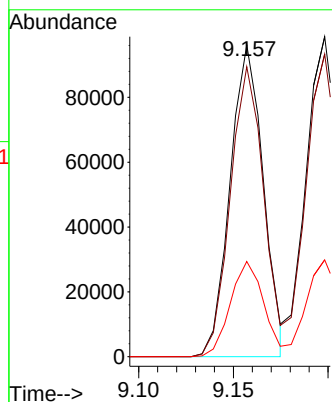
Tgt Ion:196 Resp: 116946

Ion Ratio Lower Upper

196 100

198 93.0 76.2 114.2

200 30.5 24.1 36.1



#44

2,4,5-Trichlorophenol

Concen: 43.045 ng

RT: 9.198 min Scan# 1191

Delta R.T. 0.000 min

Lab File: BF142796.D

Acq: 19 Jun 2025 21:10

Tgt Ion:196 Resp: 124558

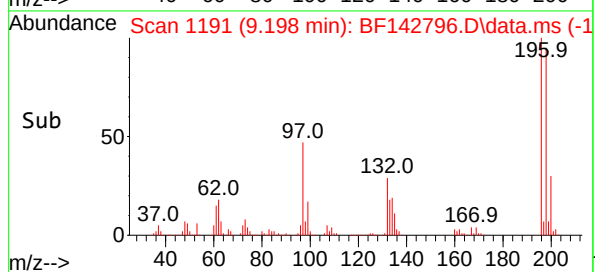
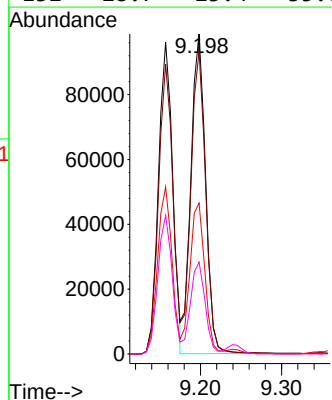
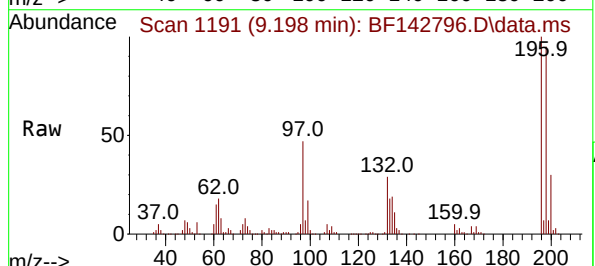
Ion Ratio Lower Upper

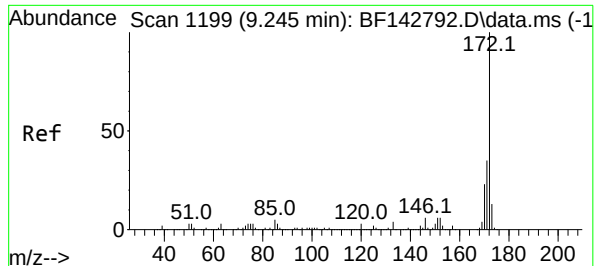
196 100

198 94.5 76.6 115.0

97 47.1 38.2 57.2

132 28.7 23.4 35.0





#45

2-Fluorobiphenyl

Concen: 72.171 ng

RT: 9.239 min Scan# 1199

Delta R.T. -0.006 min

Lab File: BF142796.D

Acq: 19 Jun 2025 21:10

Instrument :

BNA_F

ClientSampleId :

ICVBF061925

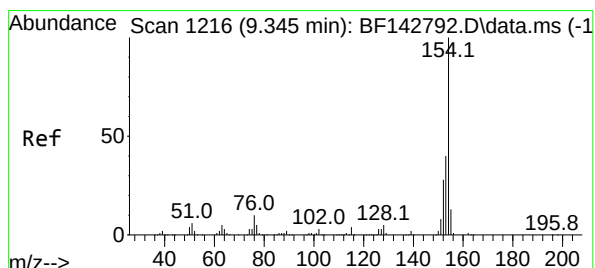
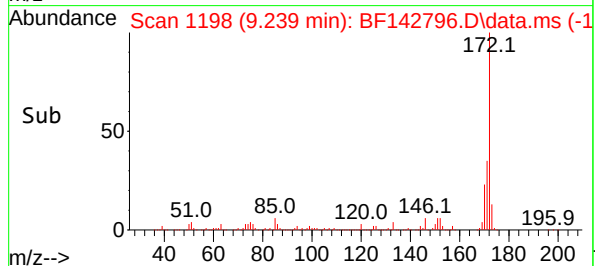
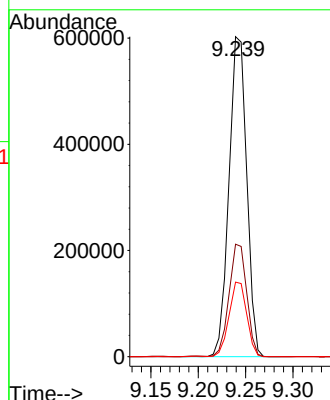
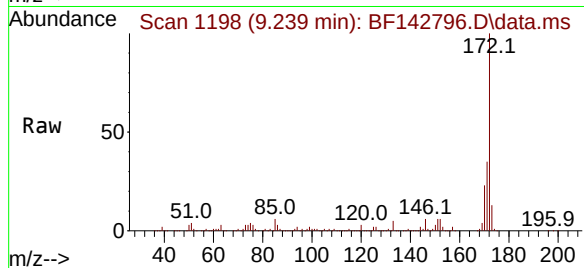
Tgt Ion:172 Resp: 785440

Ion Ratio Lower Upper

172 100

171 35.2 28.2 42.4

170 23.3 18.5 27.7



#46

1,1'-Biphenyl

Concen: 42.159 ng

RT: 9.345 min Scan# 1216

Delta R.T. 0.000 min

Lab File: BF142796.D

Acq: 19 Jun 2025 21:10

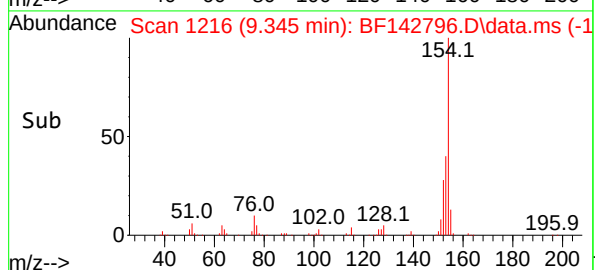
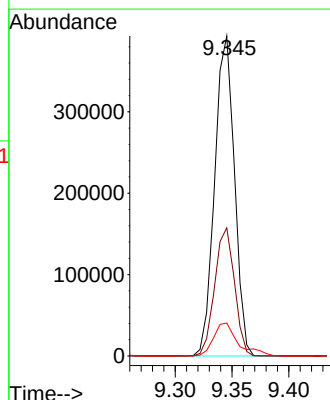
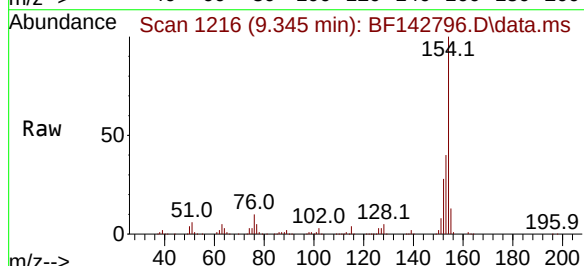
Tgt Ion:154 Resp: 476133

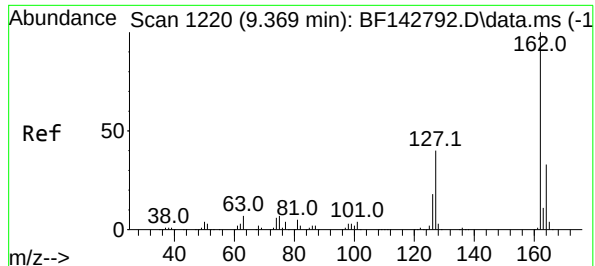
Ion Ratio Lower Upper

154 100

153 40.0 20.3 60.3

76 10.3 0.0 30.3





#47

2-Chloronaphthalene

Concen: 41.817 ng

RT: 9.369 min Scan# 1220

Delta R.T. 0.000 min

Lab File: BF142796.D

Acq: 19 Jun 2025 21:10

Instrument :

BNA_F

ClientSampleId :

ICVBF061925

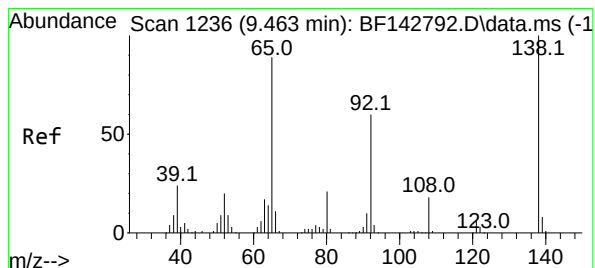
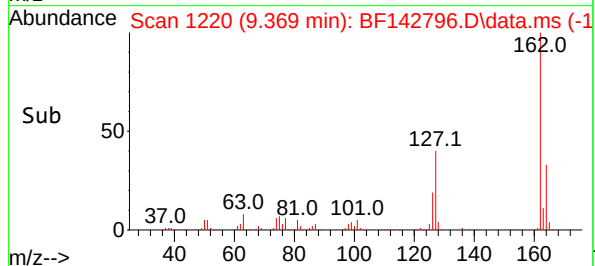
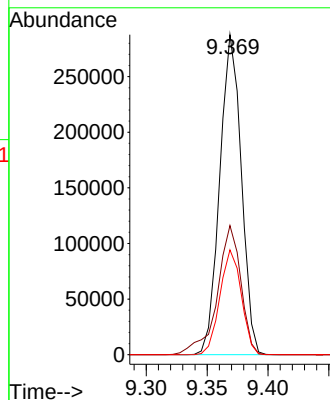
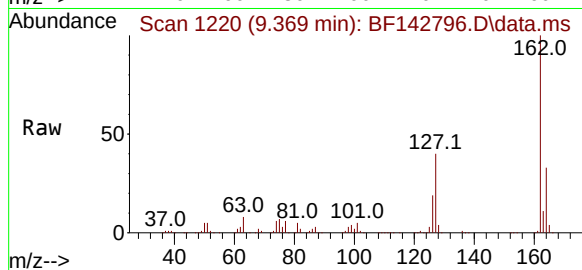
Tgt Ion:162 Resp: 354405

Ion Ratio Lower Upper

162 100

127 40.4 32.2 48.2

164 32.8 26.1 39.1



#48

2-Nitroaniline

Concen: 41.724 ng

RT: 9.463 min Scan# 1236

Delta R.T. 0.000 min

Lab File: BF142796.D

Acq: 19 Jun 2025 21:10

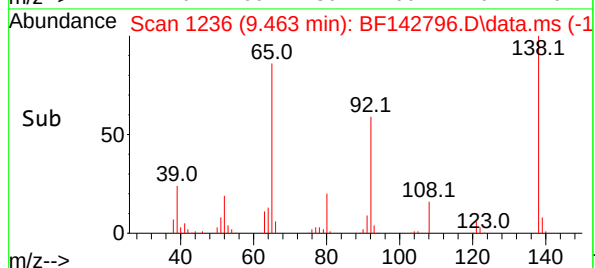
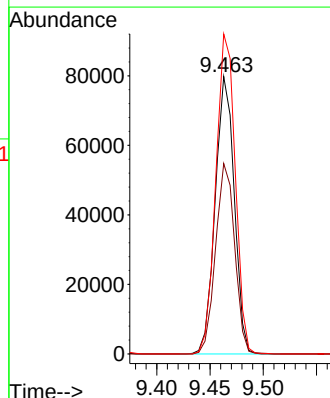
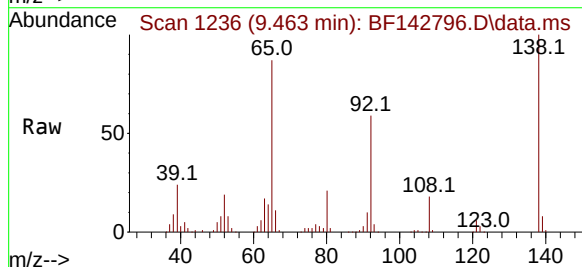
Tgt Ion: 65 Resp: 99137

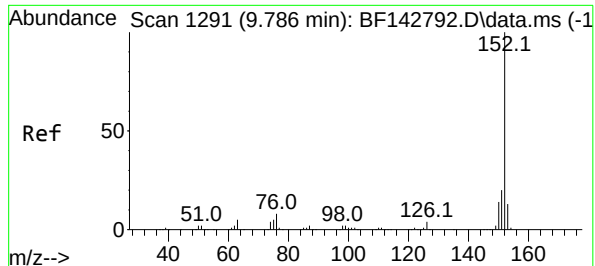
Ion Ratio Lower Upper

65 100

92 68.6 53.8 80.6

138 115.4 89.6 134.4





#49

Acenaphthylene

Concen: 41.586 ng

RT: 9.786 min Scan# 1291

Delta R.T. 0.000 min

Lab File: BF142796.D

Acq: 19 Jun 2025 21:10

Instrument :

BNA_F

ClientSampleId :

ICVBF061925

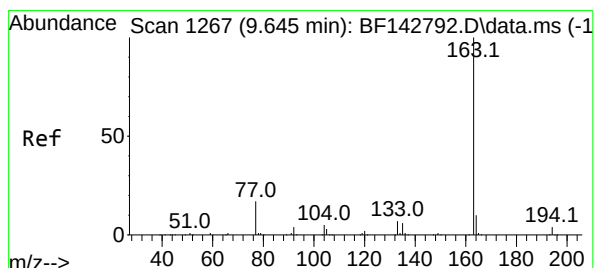
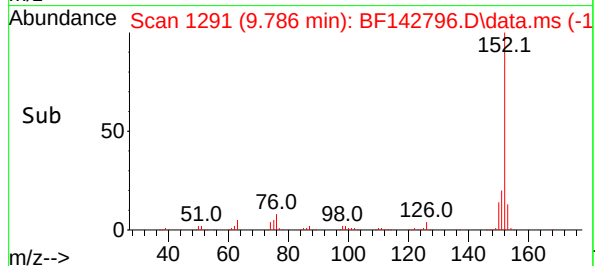
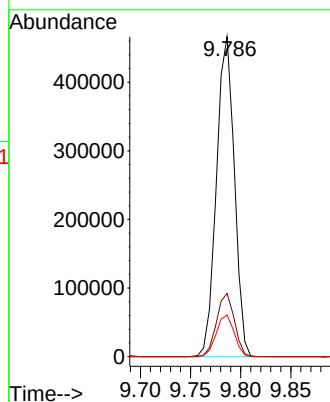
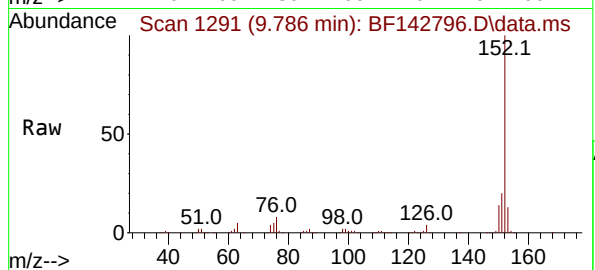
Tgt Ion:152 Resp: 580204

Ion Ratio Lower Upper

152 100

151 19.8 16.1 24.1

153 13.0 10.4 15.6



#50

Dimethylphthalate

Concen: 41.232 ng

RT: 9.645 min Scan# 1267

Delta R.T. 0.000 min

Lab File: BF142796.D

Acq: 19 Jun 2025 21:10

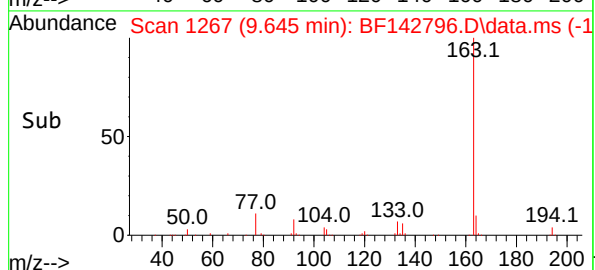
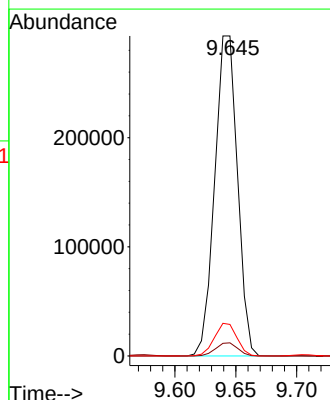
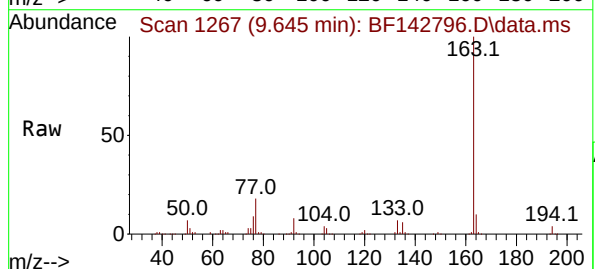
Tgt Ion:163 Resp: 381573

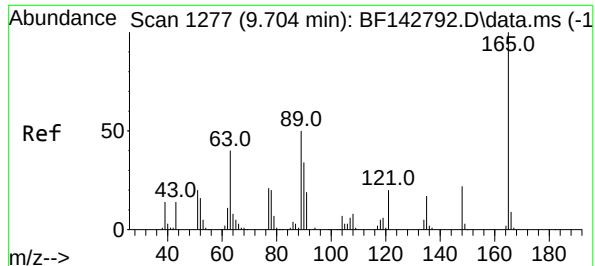
Ion Ratio Lower Upper

163 100

194 4.1 3.3 4.9

164 9.9 8.0 12.0





#51

2,6-Dinitrotoluene

Concen: 41.386 ng

RT: 9.704 min Scan# 11

Delta R.T. 0.000 min

Lab File: BF142796.D

Acq: 19 Jun 2025 21:10

Instrument :

BNA_F

ClientSampleId :

ICVBF061925

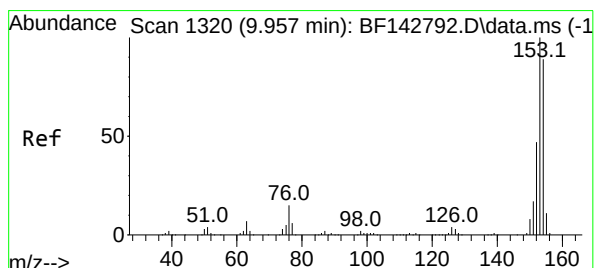
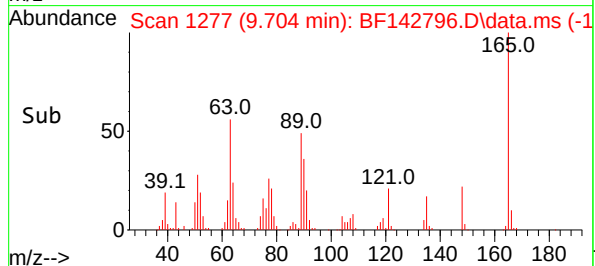
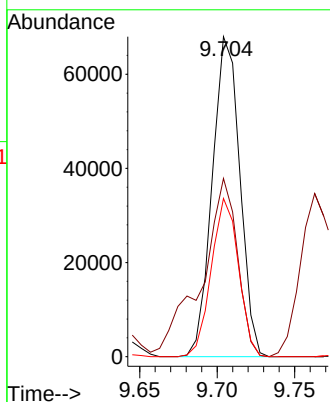
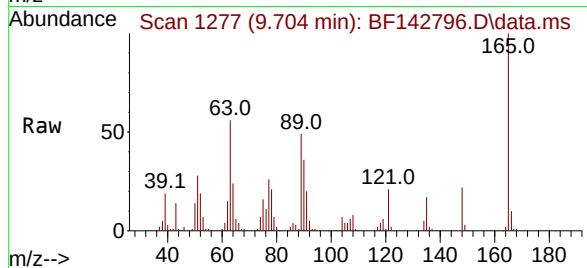
Tgt Ion:165 Resp: 84111

Ion Ratio Lower Upper

165 100

63 55.7 44.2 66.4

89 49.5 39.8 59.8



#52

Acenaphthene

Concen: 41.825 ng

RT: 9.957 min Scan# 1320

Delta R.T. 0.000 min

Lab File: BF142796.D

Acq: 19 Jun 2025 21:10

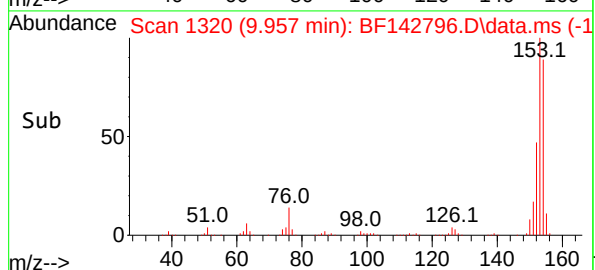
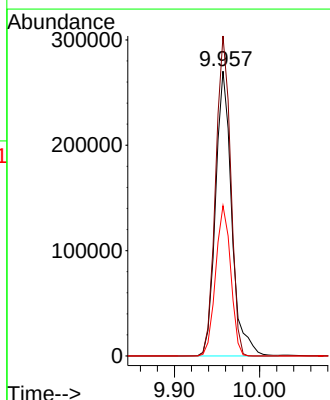
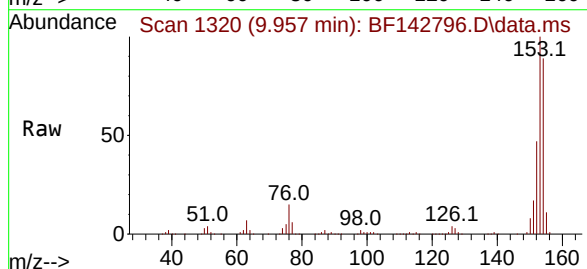
Tgt Ion:154 Resp: 356031

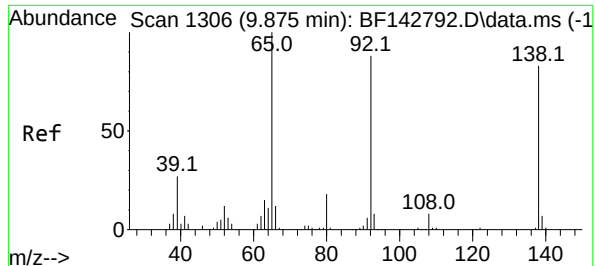
Ion Ratio Lower Upper

154 100

153 112.4 90.0 135.0

152 52.8 41.9 62.9

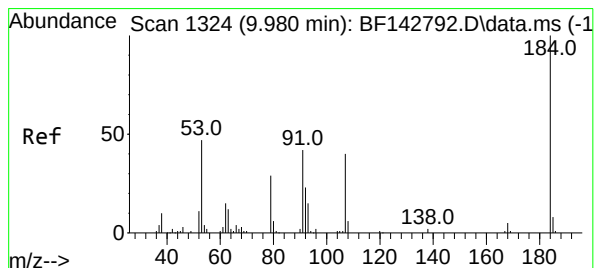
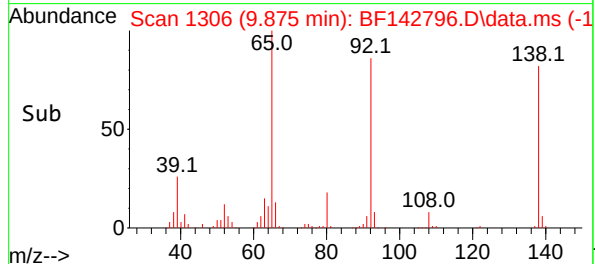
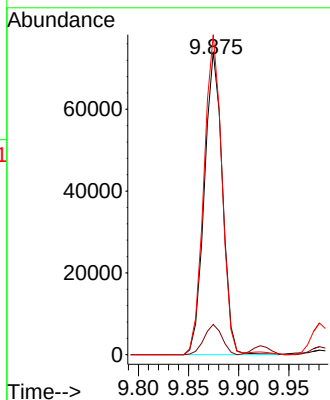
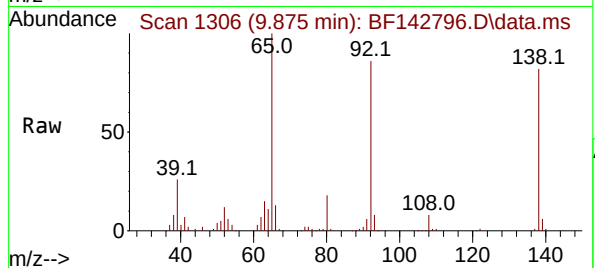




#53
3-Nitroaniline
Concen: 41.512 ng
RT: 9.875 min Scan# 1306
Delta R.T. 0.000 min
Lab File: BF142796.D
Acq: 19 Jun 2025 21:10

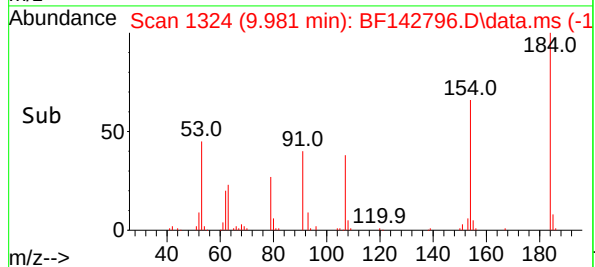
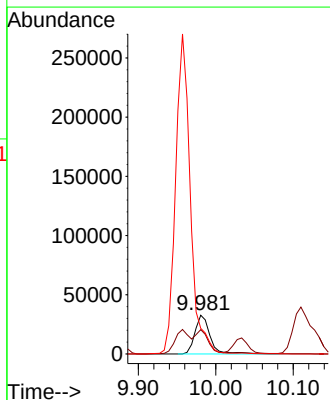
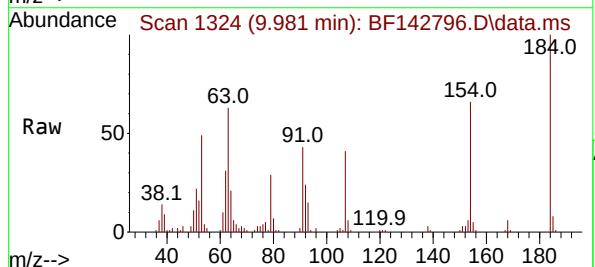
Instrument :
BNA_F
ClientSampleId :
ICVBF061925

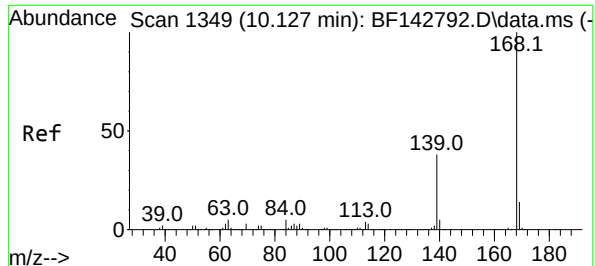
Tgt Ion	Ratio	Lower	Upper
138	100		
108	10.0	8.1	12.1
92	105.6	85.1	127.7



#54
2,4-Dinitrophenol
Concen: 43.742 ng
RT: 9.981 min Scan# 1324
Delta R.T. 0.000 min
Lab File: BF142796.D
Acq: 19 Jun 2025 21:10

Tgt Ion	Ratio	Lower	Upper
184	100		
63	62.8	50.6	75.8
154	66.3	51.8	77.8





#55

Dibenzenofuran

Concen: 41.150 ng

RT: 10.128 min Scan# 1349

Delta R.T. 0.000 min

Lab File: BF142796.D

Acq: 19 Jun 2025 21:10

Instrument :

BNA_F

ClientSampleId :

ICVBF061925

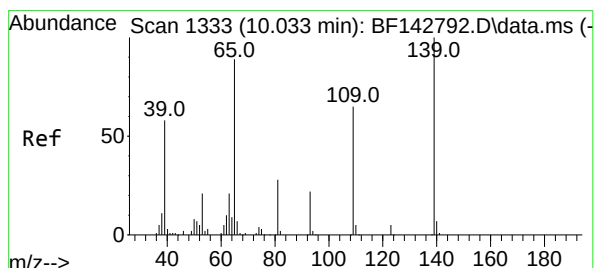
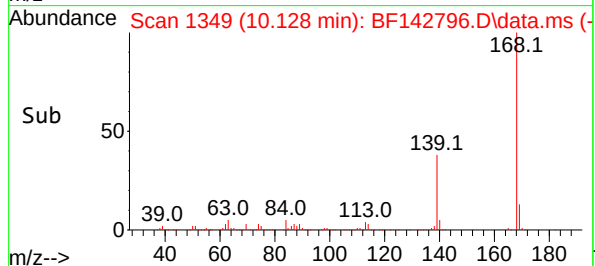
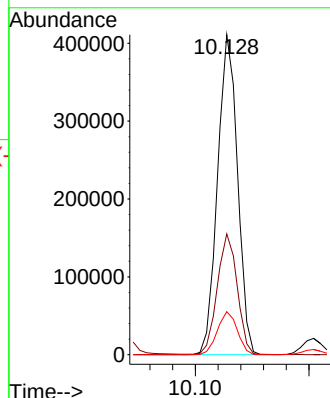
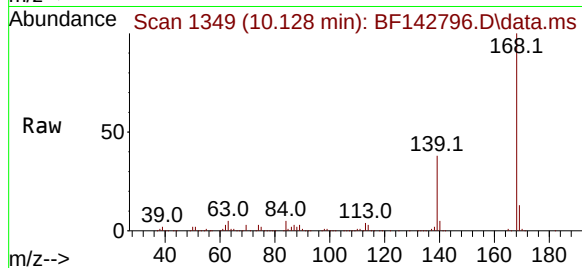
Tgt Ion:168 Resp: 502290

Ion Ratio Lower Upper

168 100

139 37.7 30.2 45.4

169 13.4 10.8 16.2



#56

4-Nitrophenol

Concen: 40.556 ng

RT: 10.033 min Scan# 1333

Delta R.T. 0.000 min

Lab File: BF142796.D

Acq: 19 Jun 2025 21:10

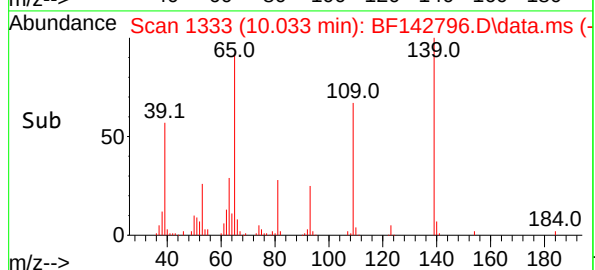
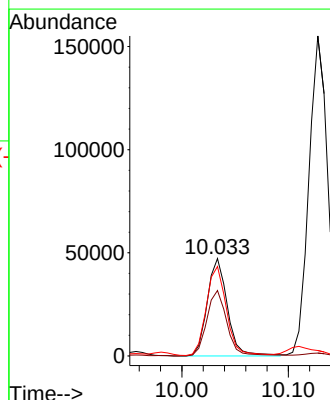
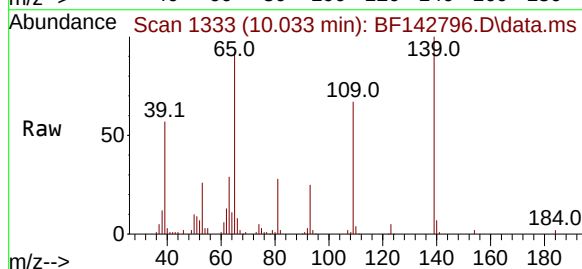
Tgt Ion:139 Resp: 62127

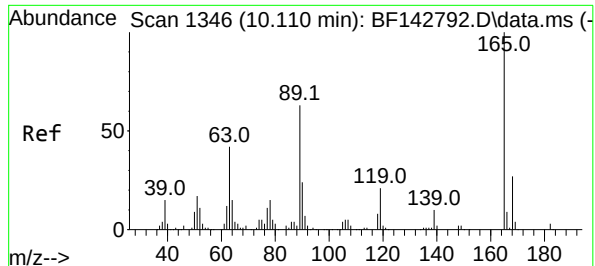
Ion Ratio Lower Upper

139 100

109 67.2 44.7 84.7

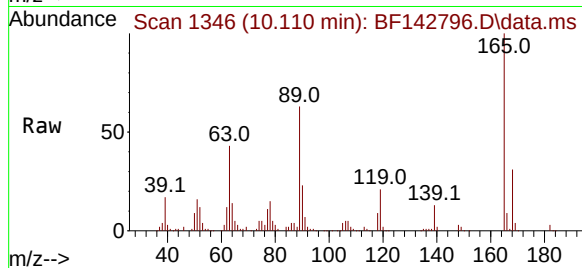
65 91.8 69.8 109.8



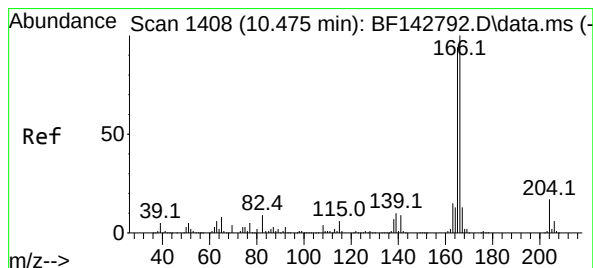
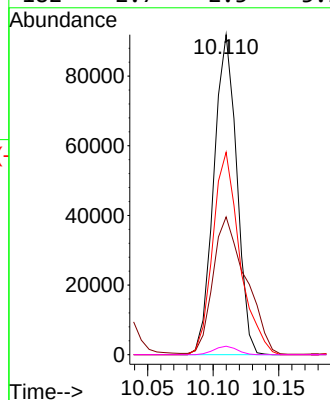
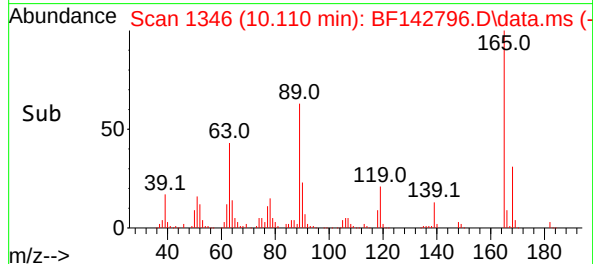


#57
2,4-Dinitrotoluene
Concen: 41.358 ng
RT: 10.110 min Scan# 1346
Delta R.T. 0.000 min
Lab File: BF142796.D
Acq: 19 Jun 2025 21:10

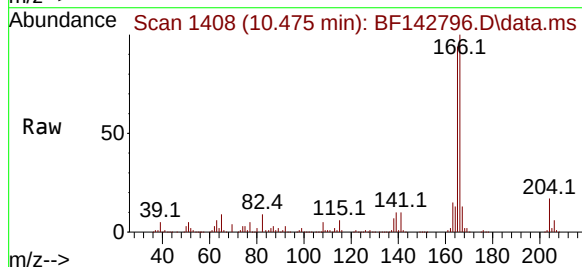
Instrument :
BNA_F
ClientSampleId :
ICVBF061925



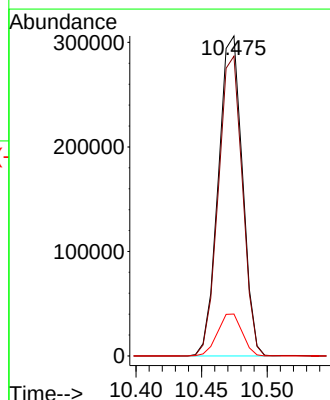
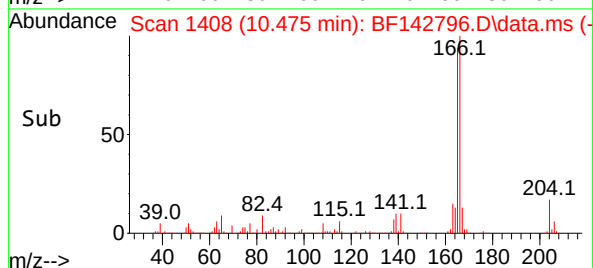
Tgt Ion:165 Resp: 111649
Ion Ratio Lower Upper
165 100
63 43.0 33.9 50.9
89 63.3 50.6 75.8
182 2.7 2.3 3.5

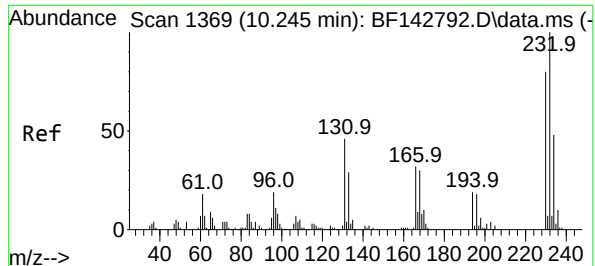


#58
Fluorene
Concen: 41.052 ng
RT: 10.475 min Scan# 1408
Delta R.T. 0.000 min
Lab File: BF142796.D
Acq: 19 Jun 2025 21:10



Tgt Ion:166 Resp: 391356
Ion Ratio Lower Upper
166 100
165 93.7 75.2 112.8
167 13.1 10.6 15.8

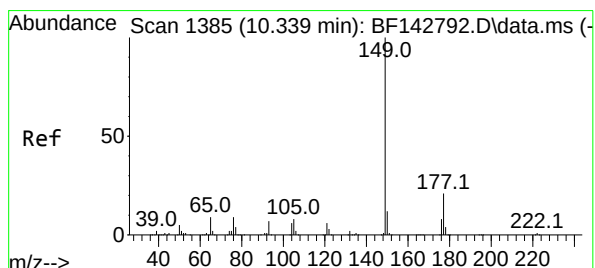
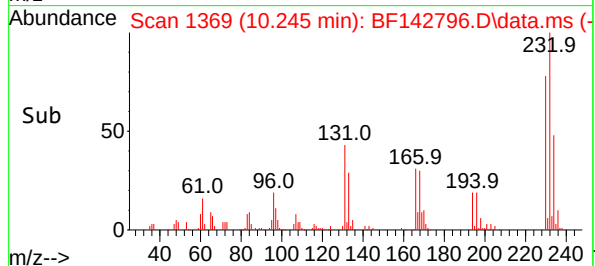
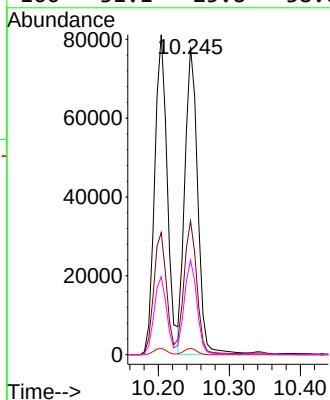
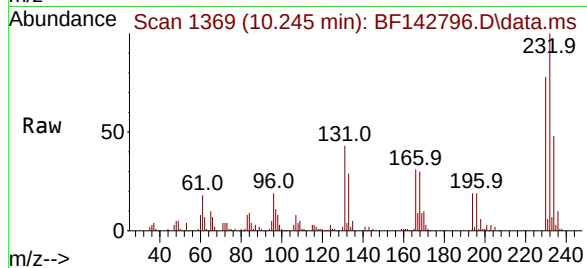




#59
2,3,4,6-Tetrachlorophenol
Concen: 41.857 ng
RT: 10.245 min Scan# 1369
Delta R.T. 0.000 min
Lab File: BF142796.D
Acq: 19 Jun 2025 21:10

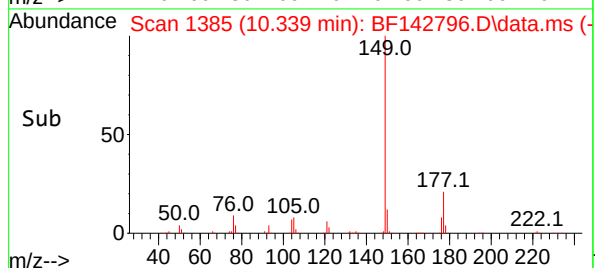
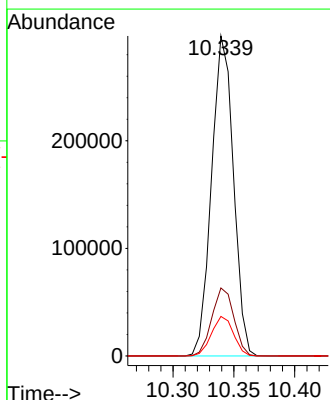
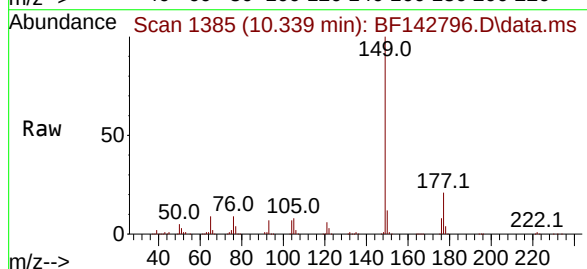
Instrument :
BNA_F
ClientSampleId :
ICVBF061925

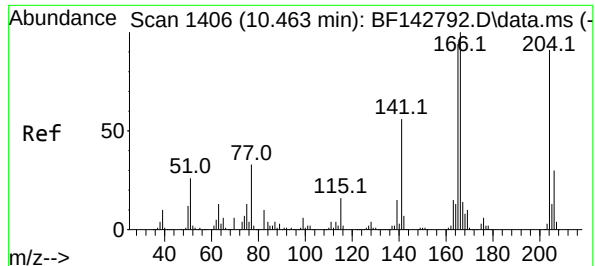
Tgt Ion:232 Resp: 97630
Ion Ratio Lower Upper
232 100
131 44.4 37.6 56.4
130 2.1 1.7 2.5
166 31.1 25.8 38.6



#60
Diethylphthalate
Concen: 40.937 ng
RT: 10.339 min Scan# 1385
Delta R.T. 0.000 min
Lab File: BF142796.D
Acq: 19 Jun 2025 21:10

Tgt Ion:149 Resp: 371453
Ion Ratio Lower Upper
149 100
177 21.2 17.0 25.6
150 12.4 9.8 14.6

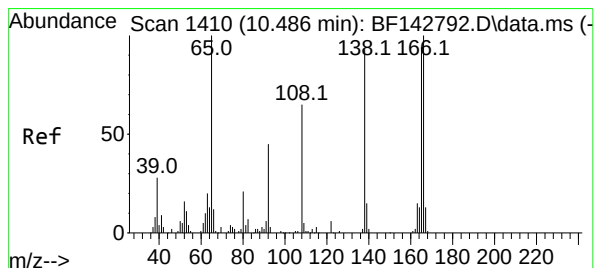
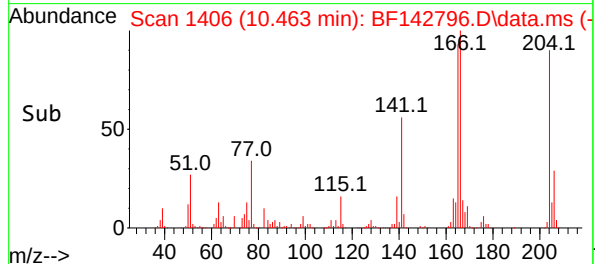
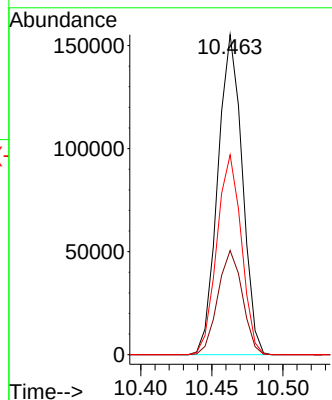
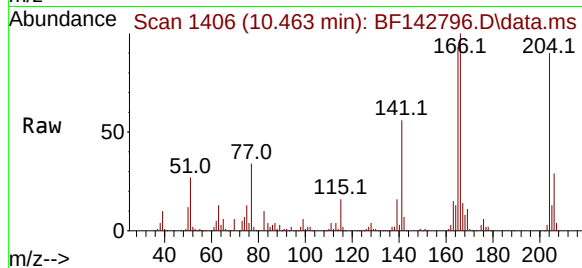




#61
4-Chlorophenyl-phenylether
Concen: 40.862 ng
RT: 10.463 min Scan# 1406
Delta R.T. 0.000 min
Lab File: BF142796.D
Acq: 19 Jun 2025 21:10

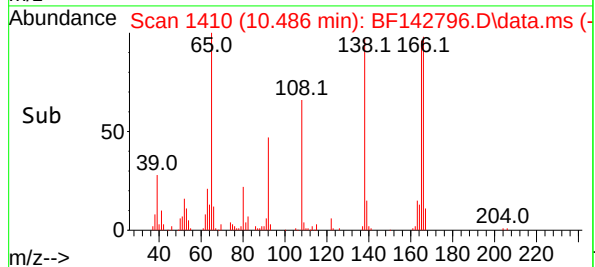
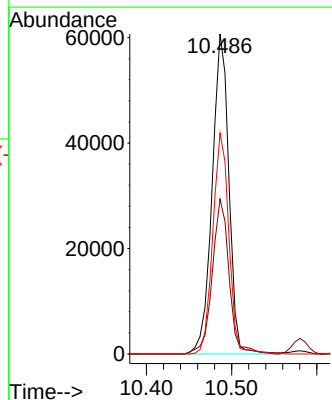
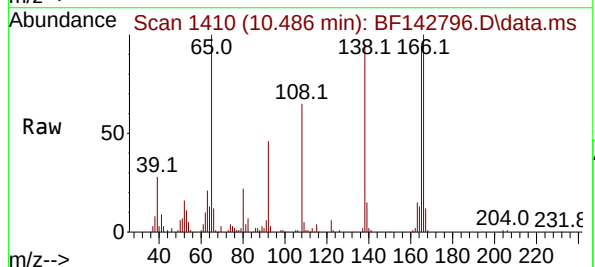
Instrument :
BNA_F
ClientSampleId :
ICVBF061925

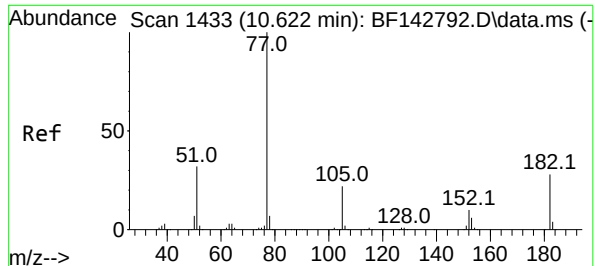
Tgt Ion:	204	Resp:	185884
Ion Ratio	Lower	Upper	
204	100		
206	32.6	26.3	39.5
141	62.5	49.1	73.7



#62
4-Nitroaniline
Concen: 40.628 ng
RT: 10.486 min Scan# 1410
Delta R.T. 0.000 min
Lab File: BF142796.D
Acq: 19 Jun 2025 21:10

Tgt Ion:	138	Resp:	83143
Ion Ratio	Lower	Upper	
138	100		
92	48.4	28.4	68.4
108	69.0	50.2	90.2

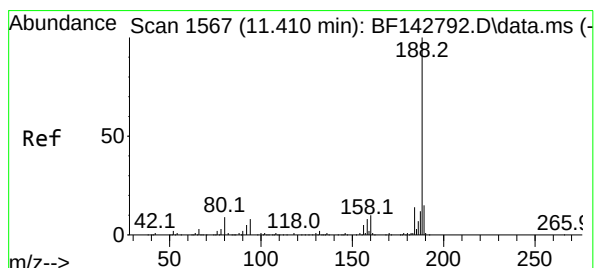
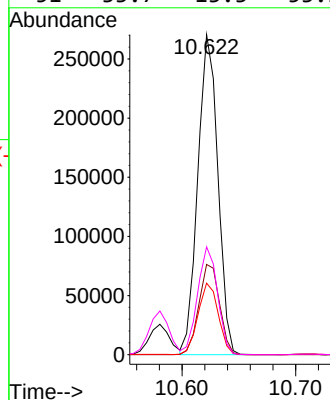
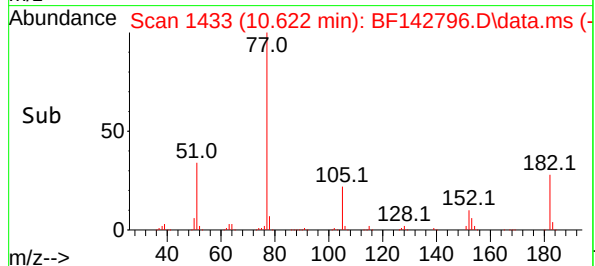
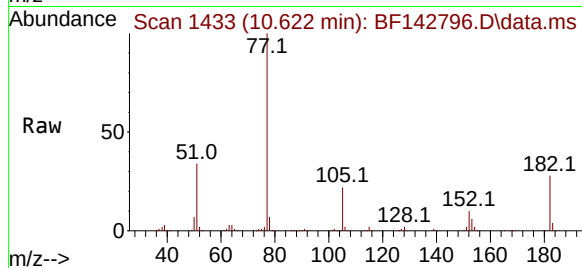




#63
Azobenzene
Concen: 41.025 ng
RT: 10.622 min Scan# 1433
Delta R.T. 0.000 min
Lab File: BF142796.D
Acq: 19 Jun 2025 21:10

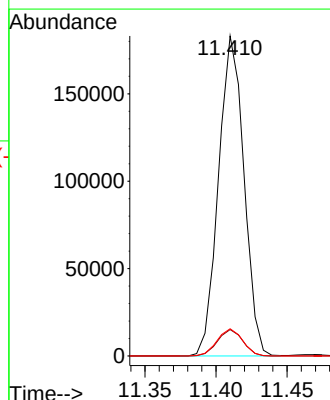
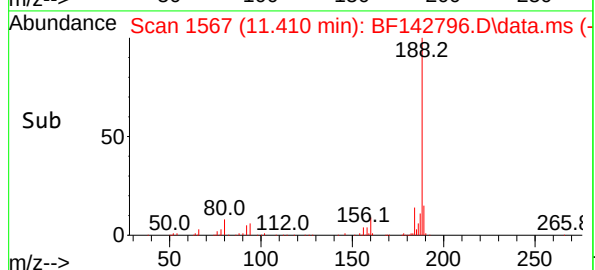
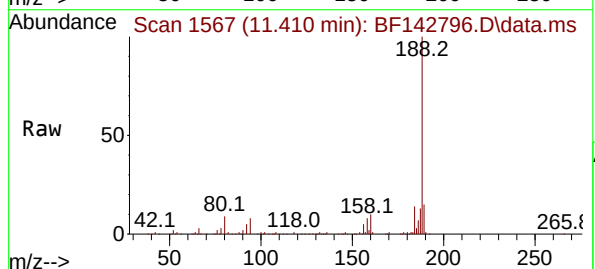
Instrument :
BNA_F
ClientSampleId :
ICVBF061925

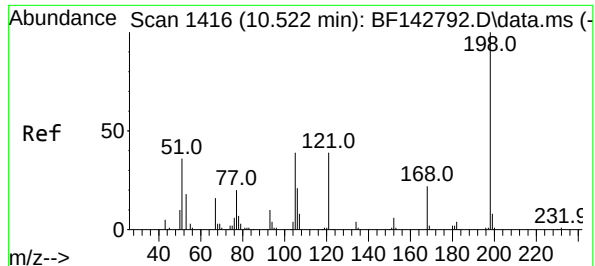
Tgt Ion:	77	Resp:	332701
Ion Ratio	Lower	Upper	
77	100		
182	28.2	7.7	47.7
105	22.4	1.9	41.9
51	33.7	13.3	53.3



#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.410 min Scan# 1567
Delta R.T. 0.000 min
Lab File: BF142796.D
Acq: 19 Jun 2025 21:10

Tgt Ion:	188	Resp:	228099
Ion Ratio	Lower	Upper	
188	100		
94	8.3	6.7	10.1
80	8.5	6.9	10.3

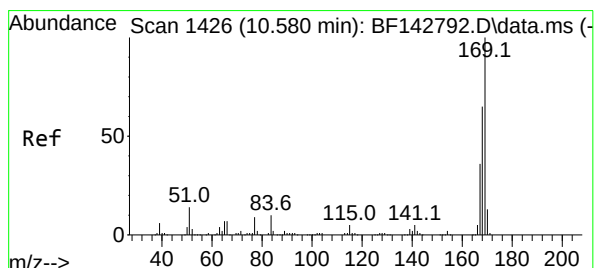
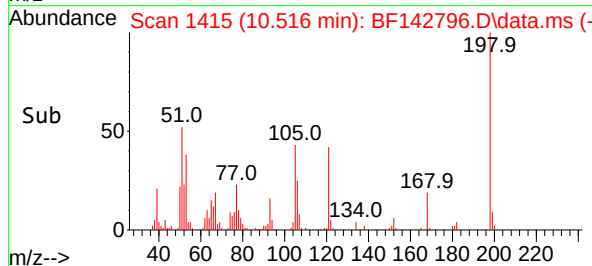
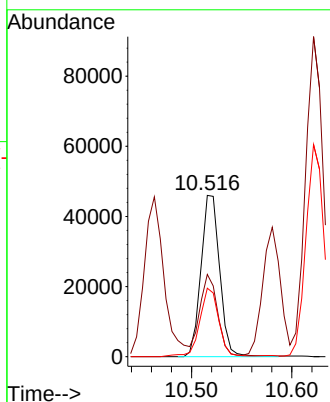
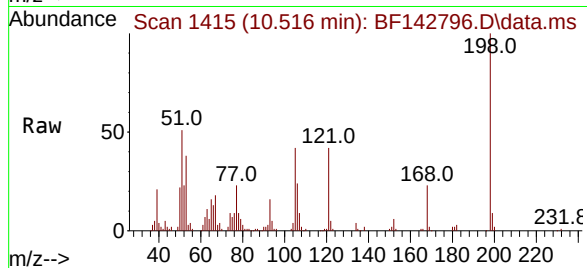




#65
4,6-Dinitro-2-methylphenol
Concen: 43.341 ng
RT: 10.516 min Scan# 1416
Delta R.T. -0.006 min
Lab File: BF142796.D
Acq: 19 Jun 2025 21:10

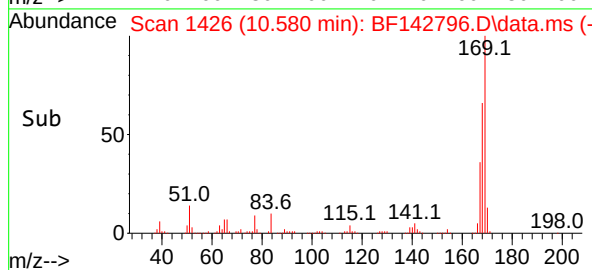
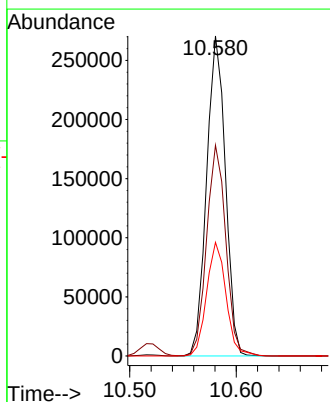
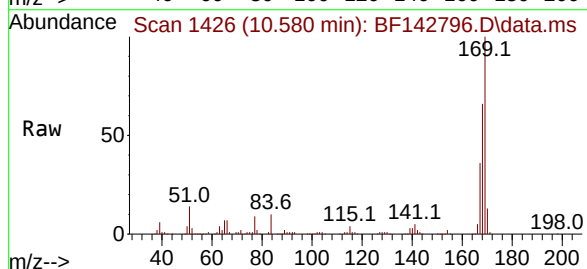
Instrument :
BNA_F
ClientSampleId :
ICVBF061925

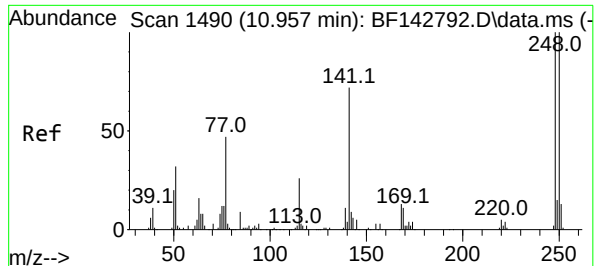
Tgt Ion:198 Resp: 59797
Ion Ratio Lower Upper
198 100
51 51.0 25.4 65.4
105 42.5 20.4 60.4



#66
n-Nitrosodiphenylamine
Concen: 41.955 ng
RT: 10.580 min Scan# 1426
Delta R.T. 0.000 min
Lab File: BF142796.D
Acq: 19 Jun 2025 21:10

Tgt Ion:169 Resp: 331671
Ion Ratio Lower Upper
169 100
168 65.8 51.9 77.9
167 35.5 28.5 42.7

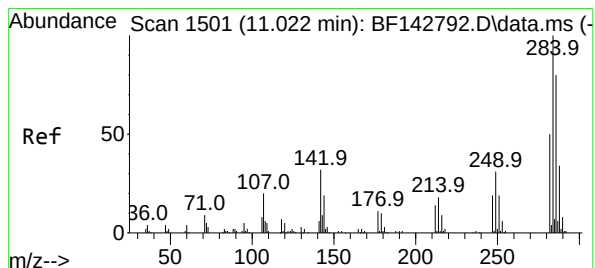
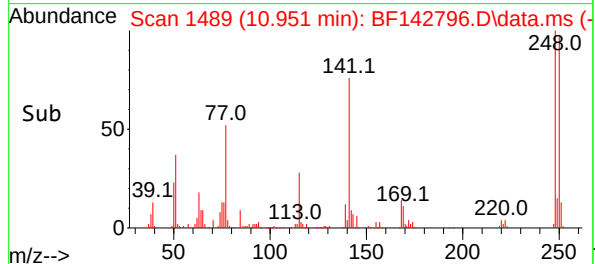
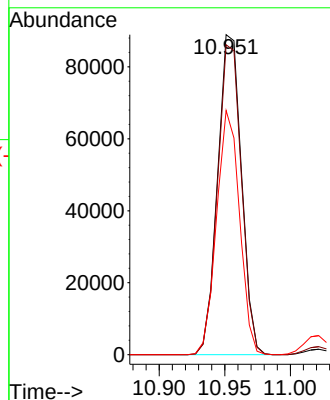
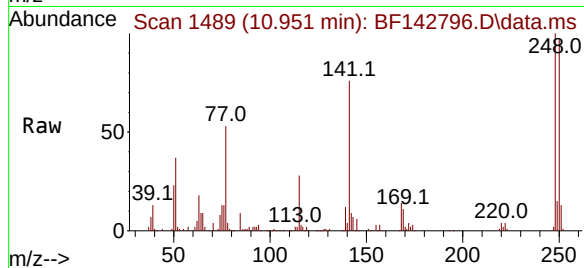




#67
4-Bromophenyl-phenylether
Concen: 43.376 ng
RT: 10.951 min Scan# 1490
Delta R.T. -0.006 min
Lab File: BF142796.D
Acq: 19 Jun 2025 21:10

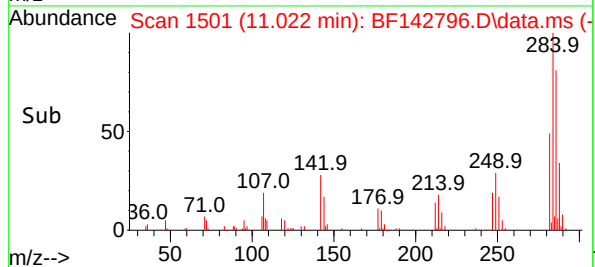
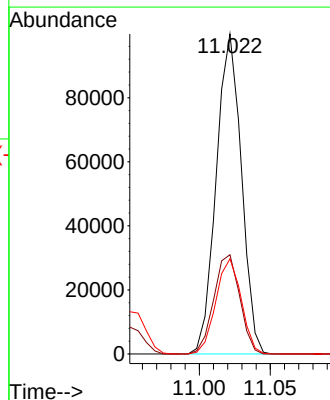
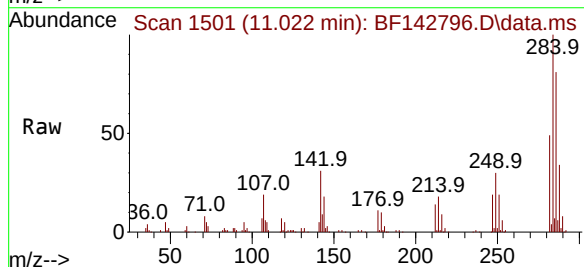
Instrument :
BNA_F
ClientSampleId :
ICVBF061925

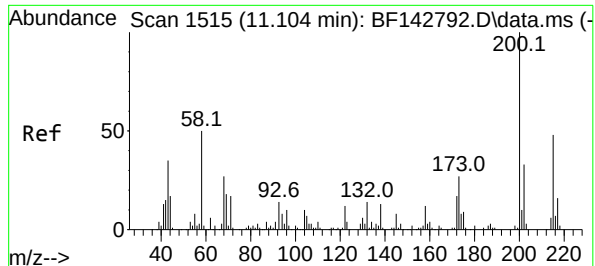
Tgt Ion:248 Resp: 112604
Ion Ratio Lower Upper
248 100
250 96.8 79.8 119.8
141 76.3 57.8 86.6



#68
Hexachlorobenzene
Concen: 42.632 ng
RT: 11.022 min Scan# 1501
Delta R.T. 0.000 min
Lab File: BF142796.D
Acq: 19 Jun 2025 21:10

Tgt Ion:284 Resp: 122976
Ion Ratio Lower Upper
284 100
142 31.0 25.5 38.3
249 29.8 24.9 37.3





#69

Atrazine

Concen: 42.840 ng

RT: 11.104 min Scan# 1515

Delta R.T. 0.000 min

Lab File: BF142796.D

Acq: 19 Jun 2025 21:10

Instrument :

BNA_F

ClientSampleId :

ICVBF061925

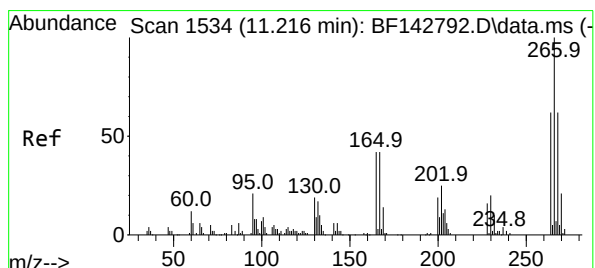
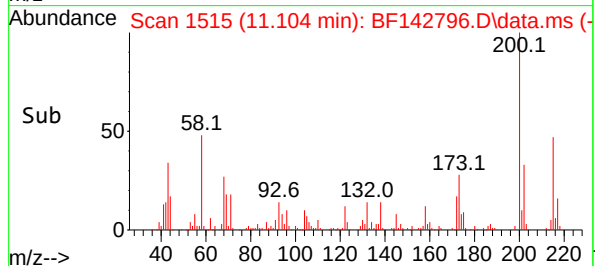
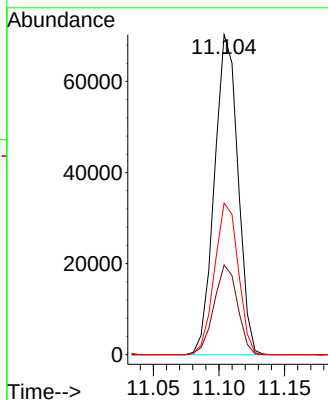
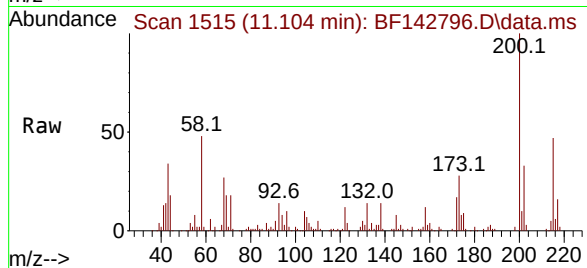
Tgt Ion:200 Resp: 87455

Ion Ratio Lower Upper

200 100

173 28.0 7.4 47.4

215 47.4 28.4 68.4



#70

Pentachlorophenol

Concen: 43.337 ng

RT: 11.216 min Scan# 1534

Delta R.T. 0.000 min

Lab File: BF142796.D

Acq: 19 Jun 2025 21:10

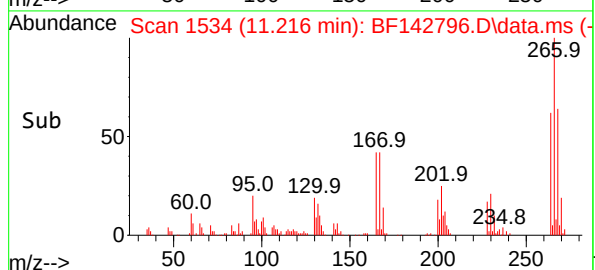
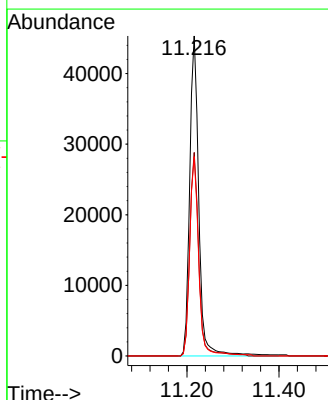
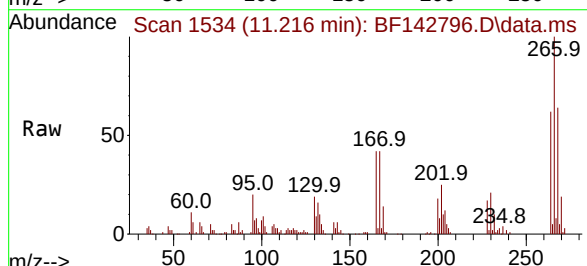
Tgt Ion:266 Resp: 62292

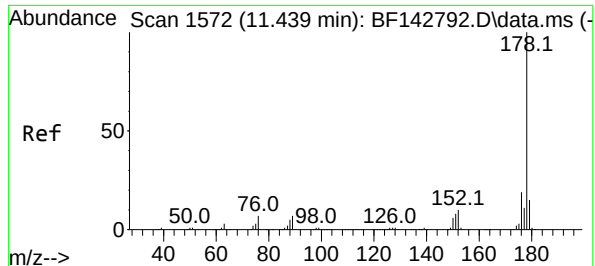
Ion Ratio Lower Upper

266 100

268 63.6 49.8 74.8

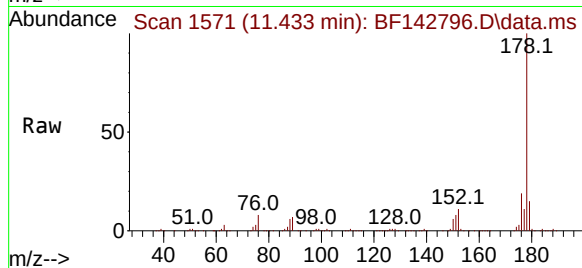
264 62.3 49.9 74.9



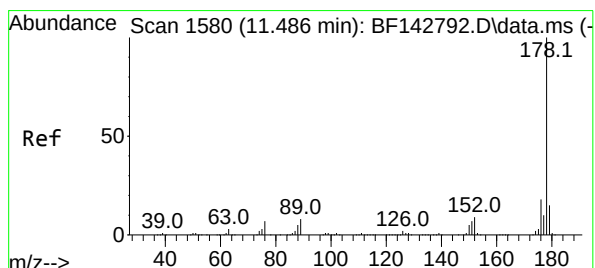
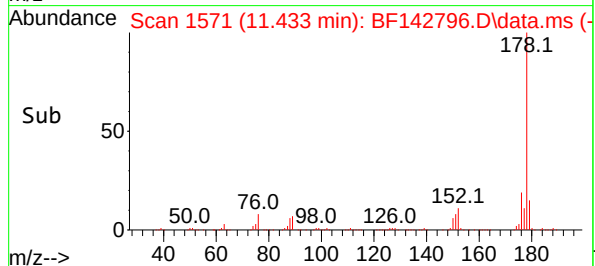
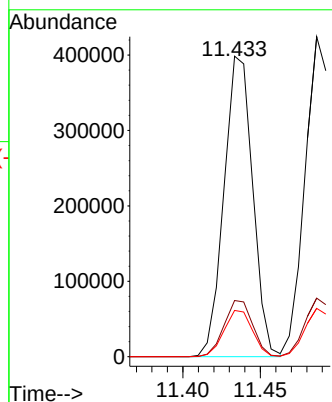


#71
Phenanthrene
Concen: 41.603 ng
RT: 11.433 min Scan# 1571
Delta R.T. -0.006 min
Lab File: BF142796.D
Acq: 19 Jun 2025 21:10

Instrument :
BNA_F
ClientSampleId :
ICVBF061925

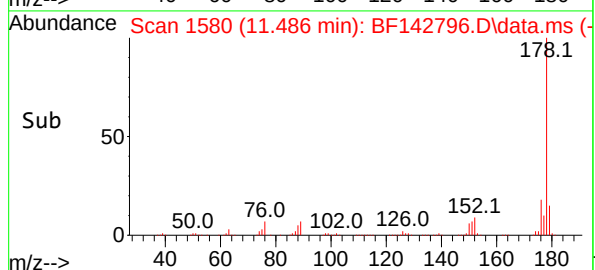
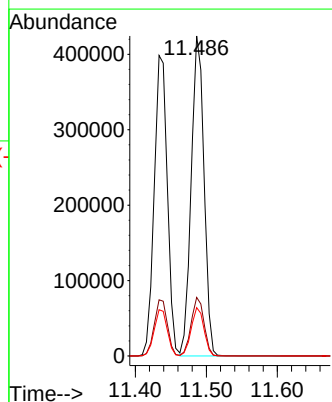
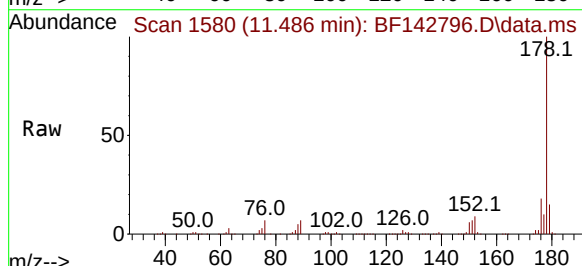


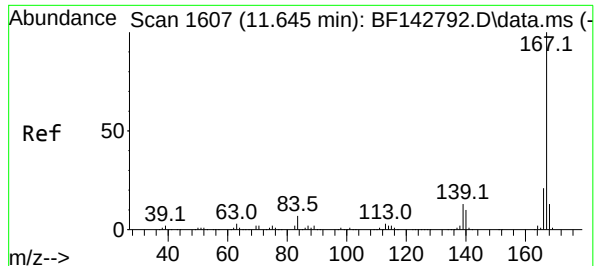
Tgt Ion:178 Resp: 514049
Ion Ratio Lower Upper
178 100
176 18.7 15.1 22.7
179 15.4 12.0 18.0



#72
Anthracene
Concen: 42.013 ng
RT: 11.486 min Scan# 1580
Delta R.T. 0.000 min
Lab File: BF142796.D
Acq: 19 Jun 2025 21:10

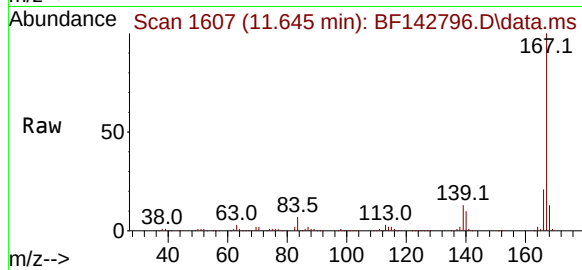
Tgt Ion:178 Resp: 532397
Ion Ratio Lower Upper
178 100
176 18.3 14.6 21.8
179 15.1 12.4 18.6



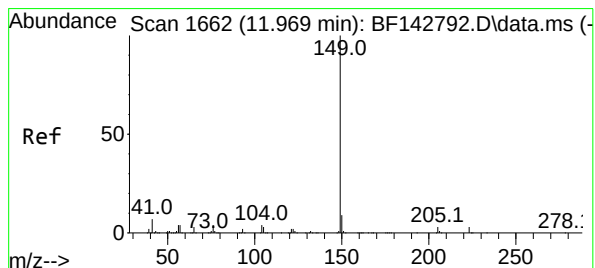
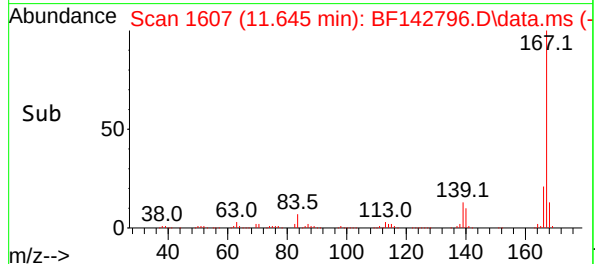
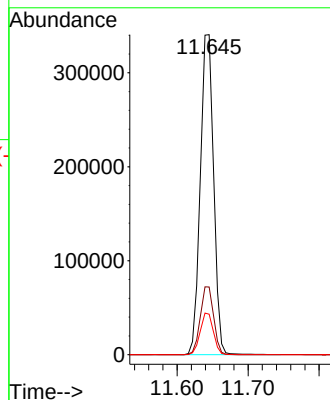


#73
Carbazole
Concen: 40.858 ng
RT: 11.645 min Scan# 1607
Delta R.T. 0.000 min
Lab File: BF142796.D
Acq: 19 Jun 2025 21:10

Instrument :
BNA_F
ClientSampleId :
ICVBF061925

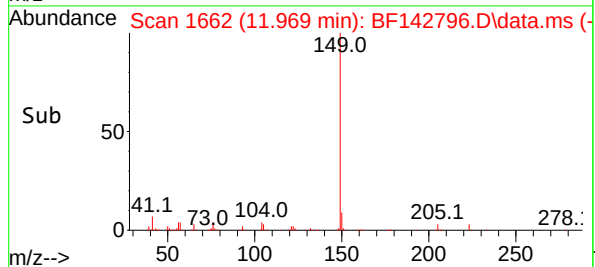
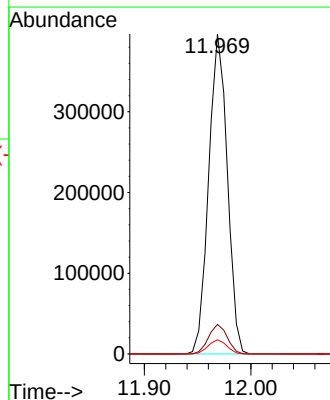
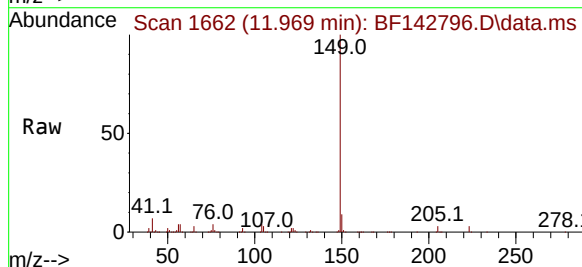


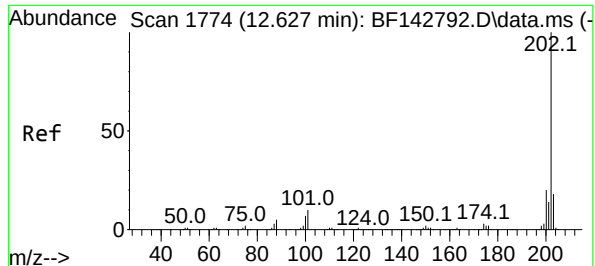
Tgt Ion:167 Resp: 446814
Ion Ratio Lower Upper
167 100
166 21.2 17.0 25.4
139 12.7 10.2 15.2



#74
Di-n-butylphthalate
Concen: 42.228 ng
RT: 11.969 min Scan# 1662
Delta R.T. 0.000 min
Lab File: BF142796.D
Acq: 19 Jun 2025 21:10

Tgt Ion:149 Resp: 481078
Ion Ratio Lower Upper
149 100
150 9.3 7.4 11.0
104 4.5 3.5 5.3

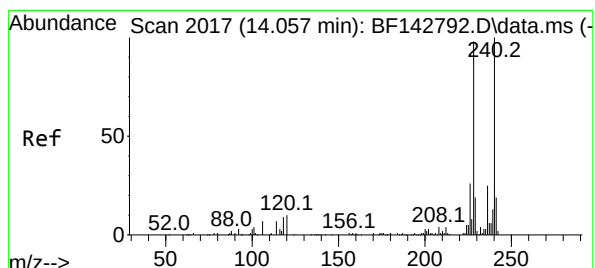
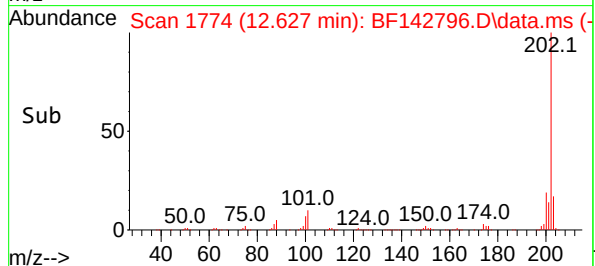
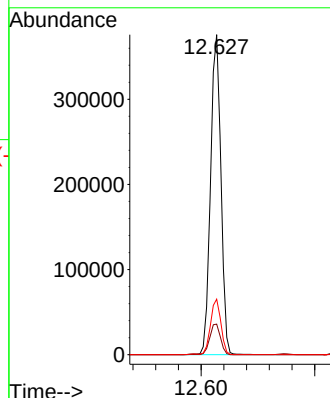
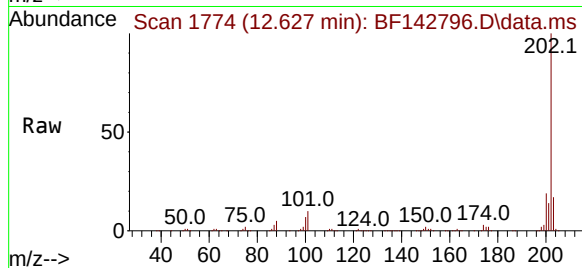




#75
Fluoranthene
Concen: 40.372 ng
RT: 12.627 min Scan# 1774
Delta R.T. 0.000 min
Lab File: BF142796.D
Acq: 19 Jun 2025 21:10

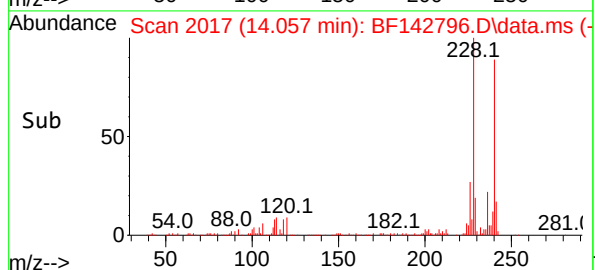
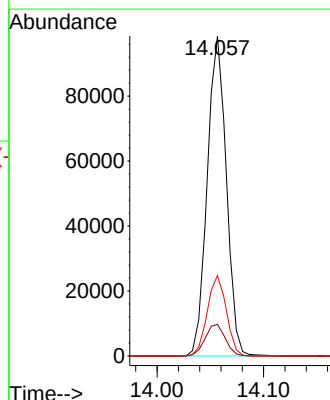
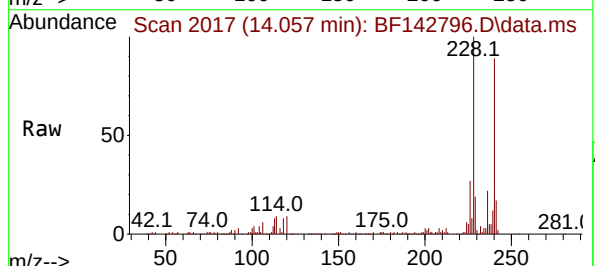
Instrument :
BNA_F
ClientSampleId :
ICVBF061925

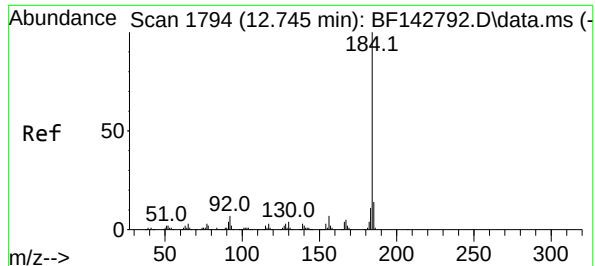
Tgt Ion	Ratio	Lower	Upper
202	100		
101	9.6	0.0	29.7
203	17.3	0.0	37.5



#76
Chrysene-d12
Concen: 20.000 ng
RT: 14.057 min Scan# 2017
Delta R.T. 0.000 min
Lab File: BF142796.D
Acq: 19 Jun 2025 21:10

Tgt Ion	Ratio	Lower	Upper
240	100		
120	9.8	8.2	12.2
236	25.2	19.8	29.8

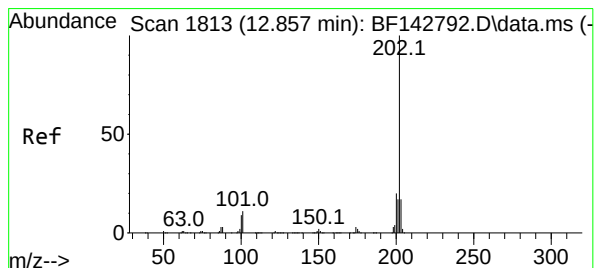
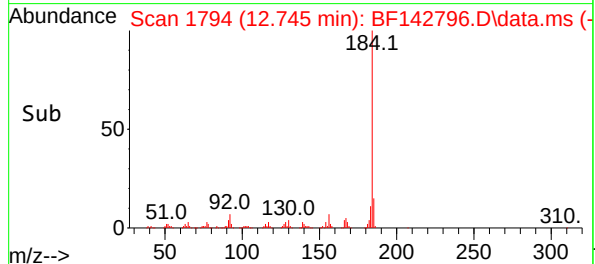
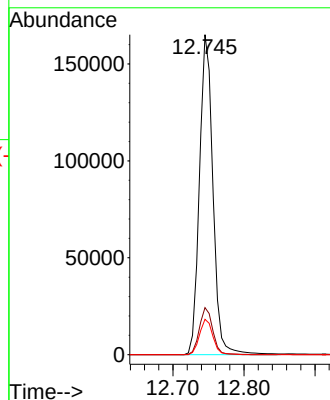
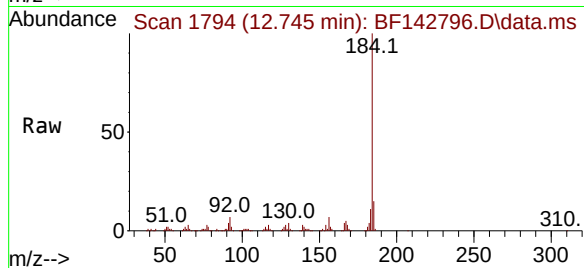




#77
Benzidine
Concen: 47.530 ng
RT: 12.745 min Scan# 1794
Delta R.T. 0.000 min
Lab File: BF142796.D
Acq: 19 Jun 2025 21:10

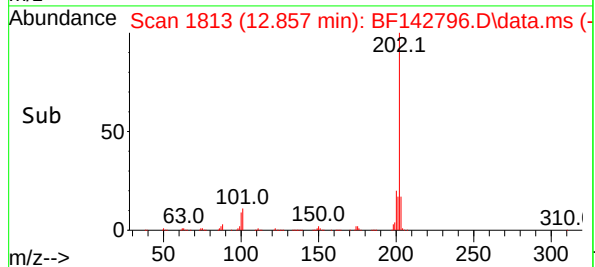
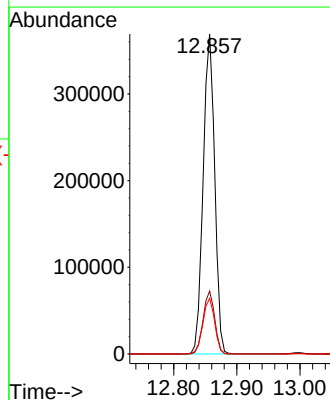
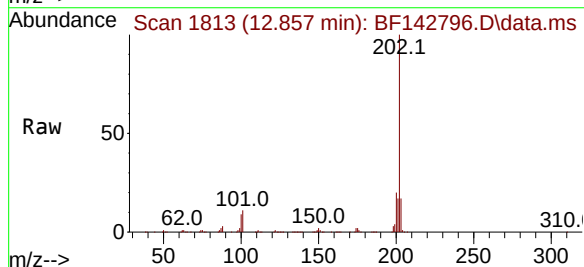
Instrument :
BNA_F
ClientSampleId :
ICVBF061925

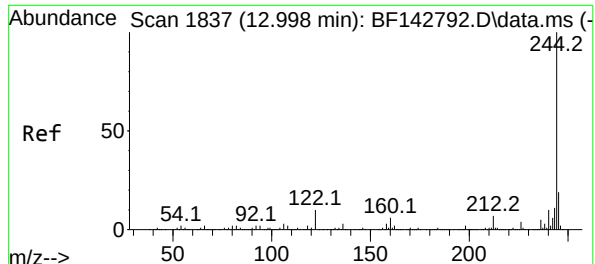
Tgt Ion	Ratio	Lower	Upper
184	100		
185	14.7	11.5	17.3
183	11.0	9.0	13.4



#78
Pyrene
Concen: 40.794 ng
RT: 12.857 min Scan# 1813
Delta R.T. 0.000 min
Lab File: BF142796.D
Acq: 19 Jun 2025 21:10

Tgt Ion	Ratio	Lower	Upper
202	100		
200	19.7	15.7	23.5
203	17.4	13.8	20.6





#79

Terphenyl-d14

Concen: 70.839 ng

RT: 12.998 min Scan# 1837

Delta R.T. -0.000 min

Lab File: BF142796.D

Acq: 19 Jun 2025 21:10

Instrument :

BNA_F

ClientSampleId :

ICVBF061925

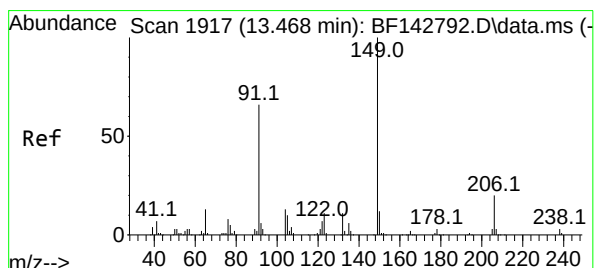
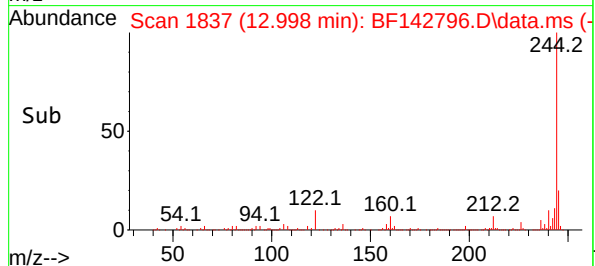
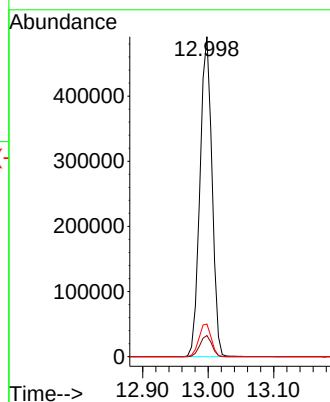
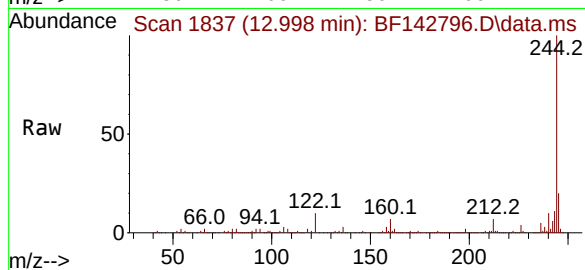
Tgt Ion:244 Resp: 628420

Ion Ratio Lower Upper

244 100

212 6.6 5.4 8.0

122 10.2 8.2 12.2



#80

Butylbenzylphthalate

Concen: 46.431 ng

RT: 13.469 min Scan# 1917

Delta R.T. 0.000 min

Lab File: BF142796.D

Acq: 19 Jun 2025 21:10

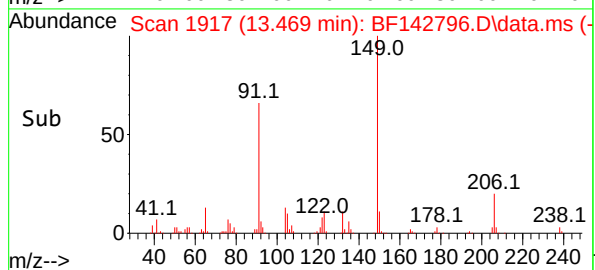
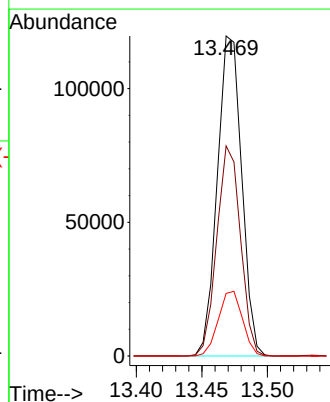
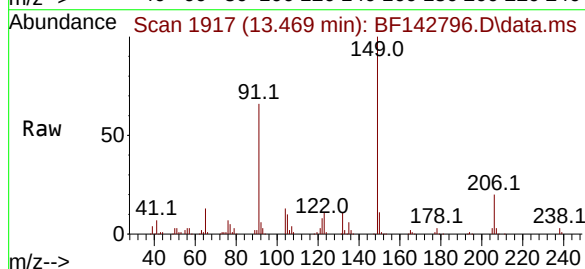
Tgt Ion:149 Resp: 154743

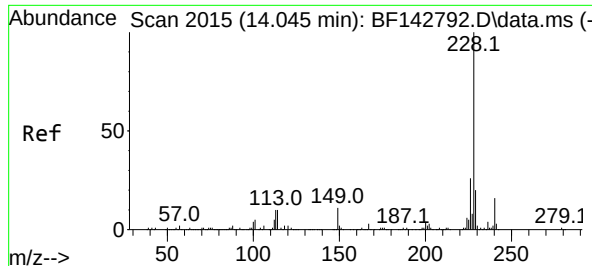
Ion Ratio Lower Upper

149 100

91 65.7 52.9 79.3

206 19.6 16.3 24.5

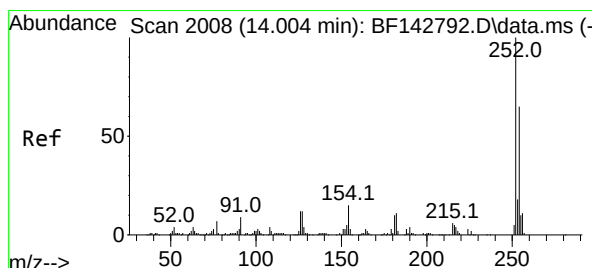
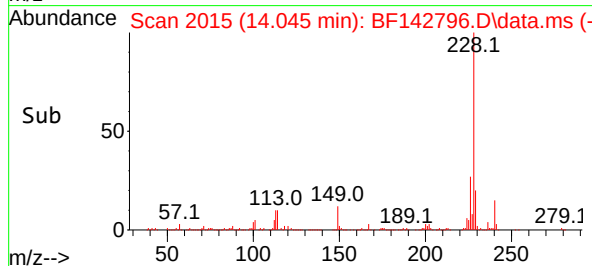
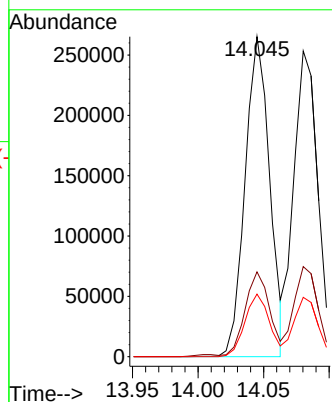
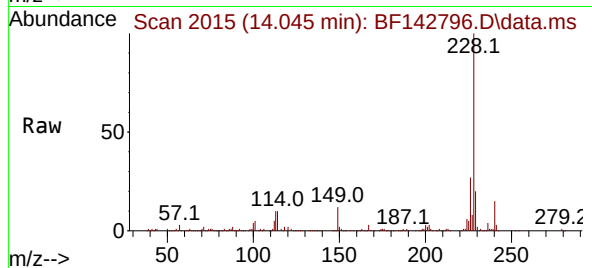




#81
Benzo(a)anthracene
Concen: 41.868 ng
RT: 14.045 min Scan# 2015
Delta R.T. 0.000 min
Lab File: BF142796.D
Acq: 19 Jun 2025 21:10

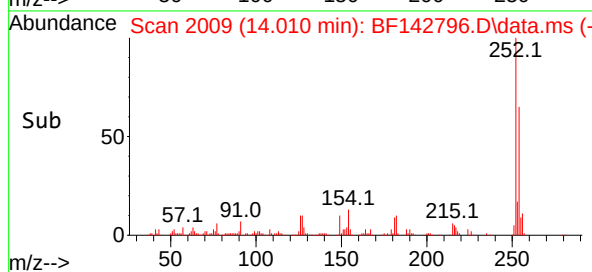
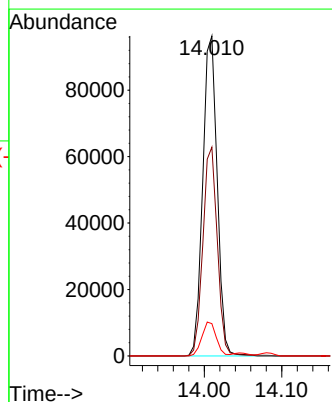
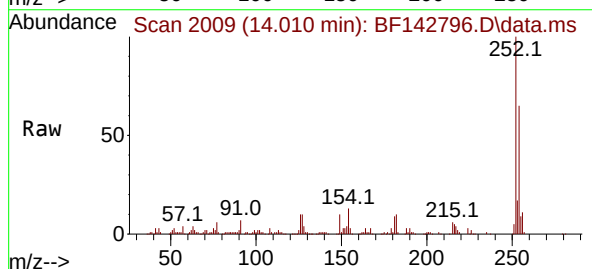
Instrument :
BNA_F
ClientSampleId :
ICVBF061925

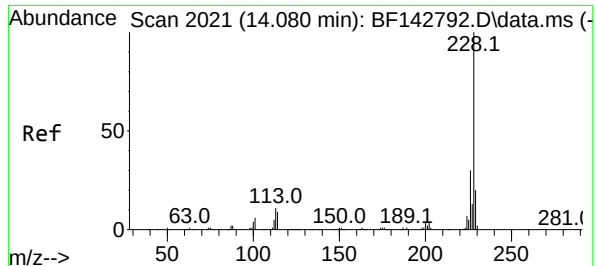
Tgt Ion:228 Resp: 346202
Ion Ratio Lower Upper
228 100
226 26.5 21.2 31.8
229 19.6 15.6 23.4



#82
3,3'-Dichlorobenzidine
Concen: 46.521 ng
RT: 14.010 min Scan# 2009
Delta R.T. 0.006 min
Lab File: BF142796.D
Acq: 19 Jun 2025 21:10

Tgt Ion:252 Resp: 124771
Ion Ratio Lower Upper
252 100
254 65.2 51.7 77.5
126 10.1 9.4 14.2





#83

Chrysene

Concen: 43.637 ng

RT: 14.080 min Scan# 2021

Delta R.T. 0.000 min

Lab File: BF142796.D

Acq: 19 Jun 2025 21:10

Instrument :

BNA_F

ClientSampleId :

ICVBF061925

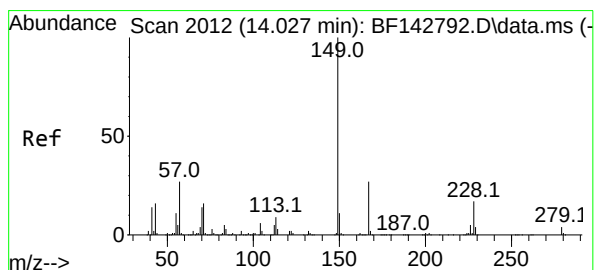
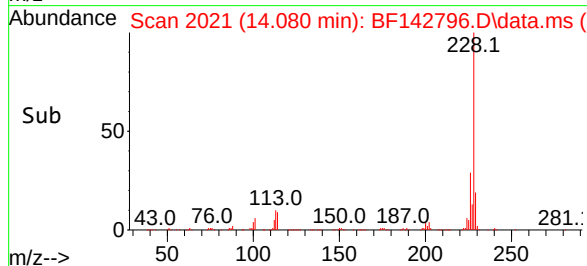
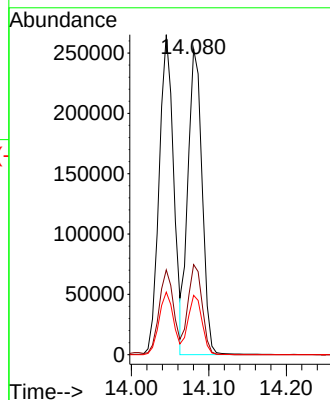
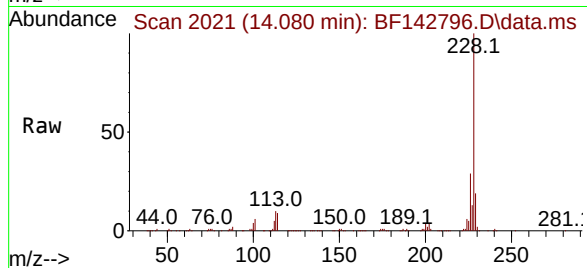
Tgt Ion:228 Resp: 321976

Ion Ratio Lower Upper

228 100

226 29.5 23.7 35.5

229 19.4 15.7 23.5



#84

Bis(2-ethylhexyl)phthalate

Concen: 47.976 ng

RT: 14.027 min Scan# 2012

Delta R.T. 0.000 min

Lab File: BF142796.D

Acq: 19 Jun 2025 21:10

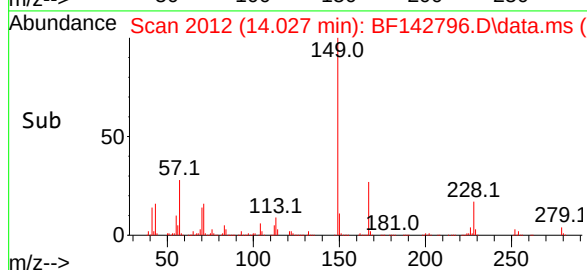
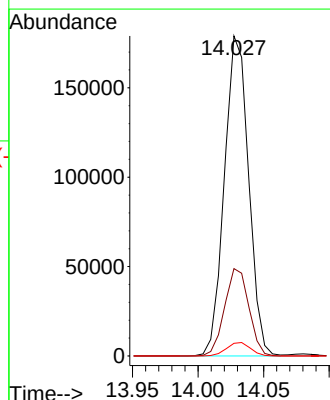
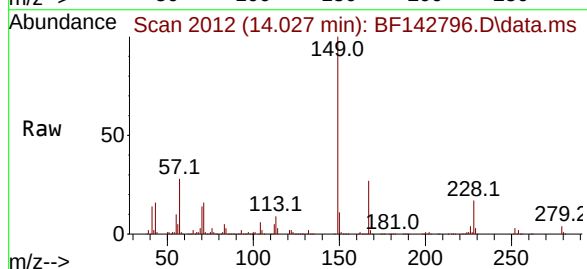
Tgt Ion:149 Resp: 230046

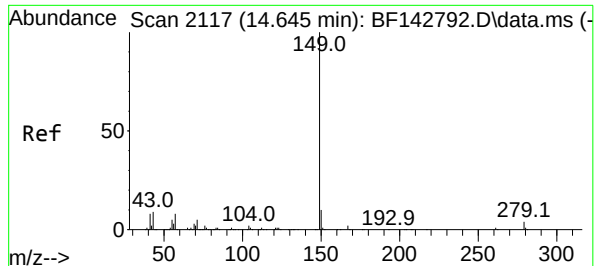
Ion Ratio Lower Upper

149 100

167 27.3 21.4 32.0

279 4.0 3.0 4.6

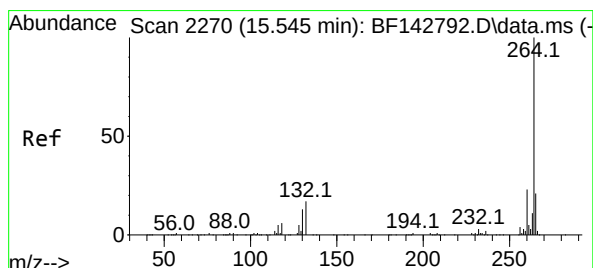
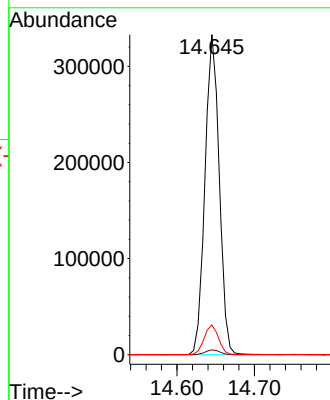
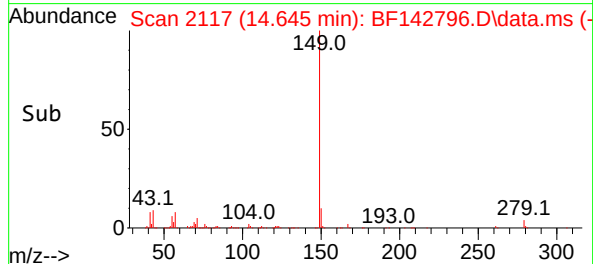
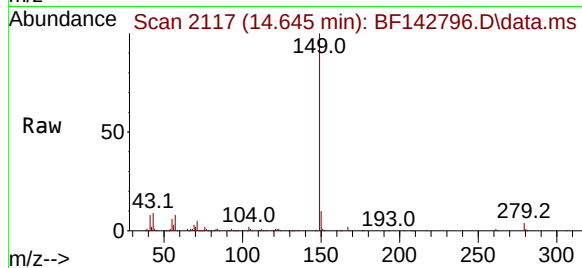




#85
Di-n-octyl phthalate
Concen: 47.026 ng
RT: 14.645 min Scan# 2117
Delta R.T. 0.000 min
Lab File: BF142796.D
Acq: 19 Jun 2025 21:10

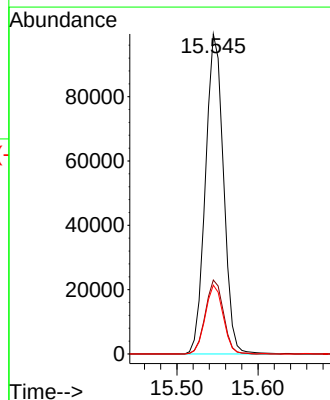
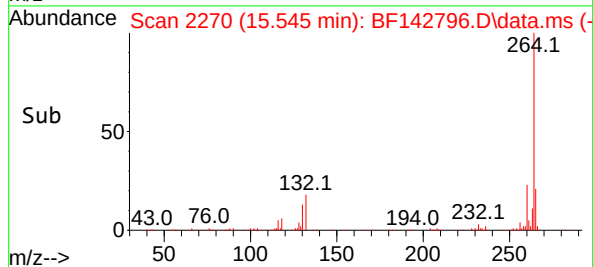
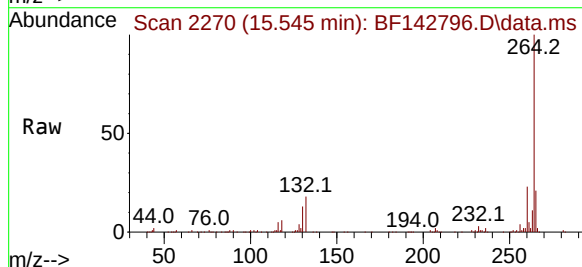
Instrument :
BNA_F
ClientSampleId :
ICVBF061925

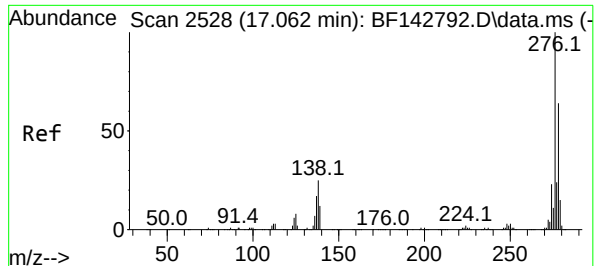
Tgt Ion	Ratio	Lower	Upper
149	100		
167	1.5	1.3	1.9
43	9.2	7.6	11.4



#86
Perylene-d12
Concen: 20.000 ng
RT: 15.545 min Scan# 2270
Delta R.T. 0.000 min
Lab File: BF142796.D
Acq: 19 Jun 2025 21:10

Tgt Ion	Ratio	Lower	Upper
264	100		
260	23.1	18.1	27.1
265	21.5	16.6	25.0

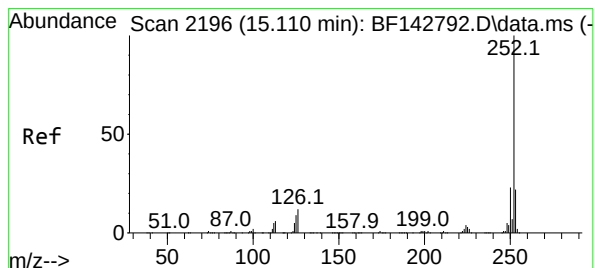
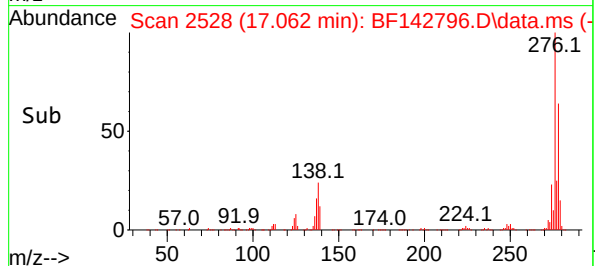
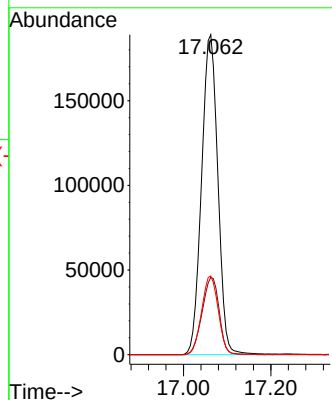
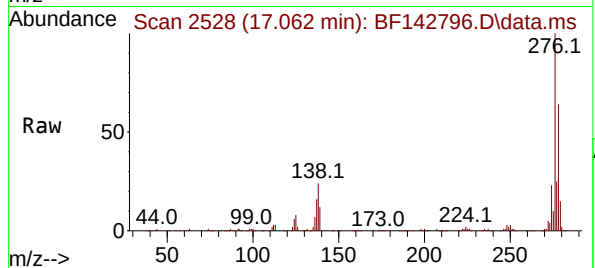




#87
Indeno(1,2,3-cd)pyrene
Concen: 42.060 ng
RT: 17.062 min Scan# 2196
Delta R.T. 0.000 min
Lab File: BF142796.D
Acq: 19 Jun 2025 21:10

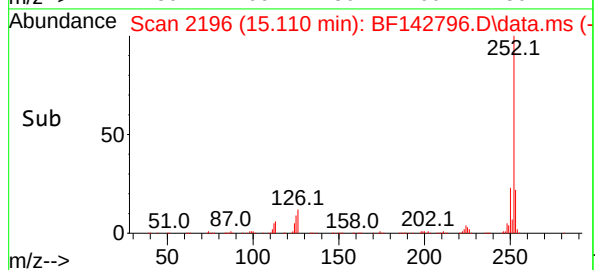
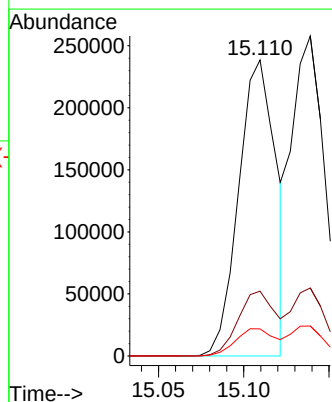
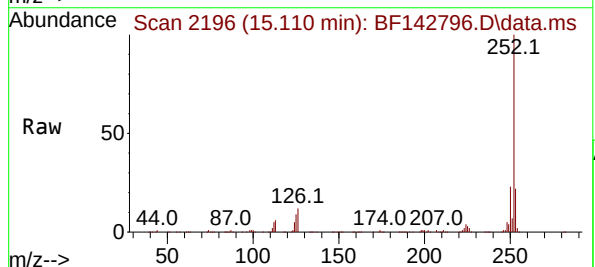
Instrument :
BNA_F
ClientSampleId :
ICVBF061925

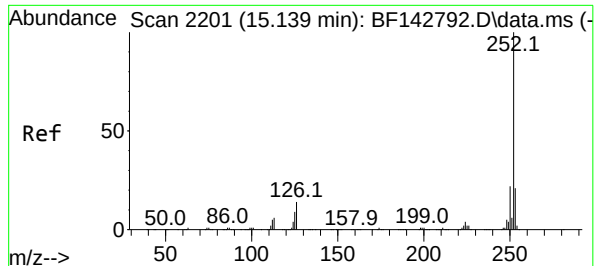
Tgt Ion:276 Resp: 491326
Ion Ratio Lower Upper
276 100
138 25.3 20.2 30.4
277 25.1 19.8 29.6



#88
Benzo(b)fluoranthene
Concen: 40.801 ng
RT: 15.110 min Scan# 2196
Delta R.T. 0.000 min
Lab File: BF142796.D
Acq: 19 Jun 2025 21:10

Tgt Ion:252 Resp: 362077
Ion Ratio Lower Upper
252 100
253 21.9 17.5 26.3
125 9.1 7.4 11.0





#89

Benzo(k)fluoranthene

Concen: 41.800 ng

RT: 15.139 min Scan# 2201

Delta R.T. 0.000 min

Lab File: BF142796.D

Acq: 19 Jun 2025 21:10

Instrument :

BNA_F

ClientSampleId :

ICVBF061925

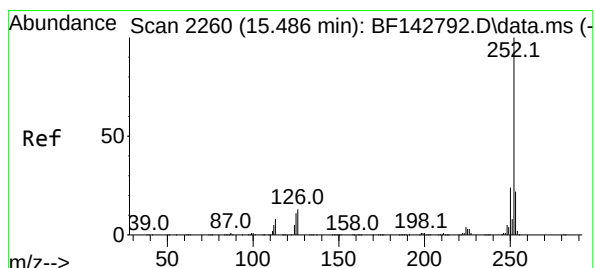
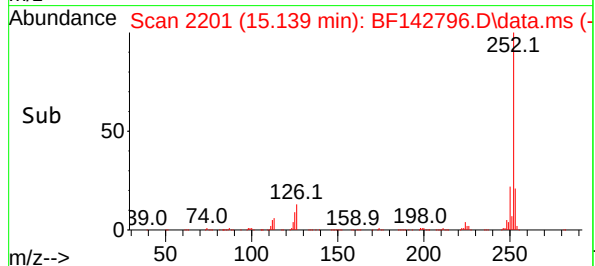
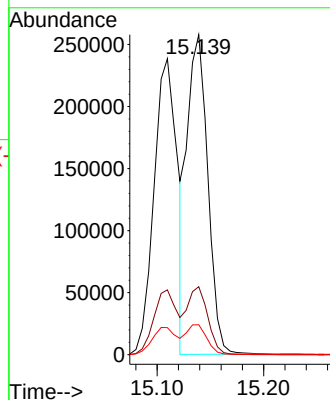
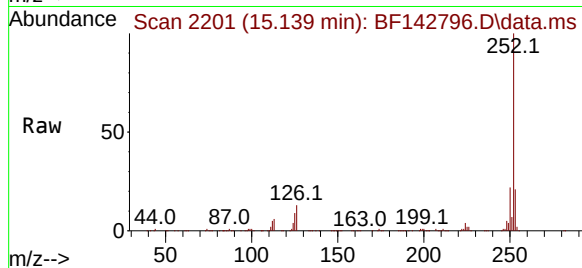
Tgt Ion:252 Resp: 347044

Ion Ratio Lower Upper

252 100

253 21.3 17.2 25.8

125 9.3 7.4 11.2



#90

Benzo(a)pyrene

Concen: 42.117 ng

RT: 15.486 min Scan# 2260

Delta R.T. 0.000 min

Lab File: BF142796.D

Acq: 19 Jun 2025 21:10

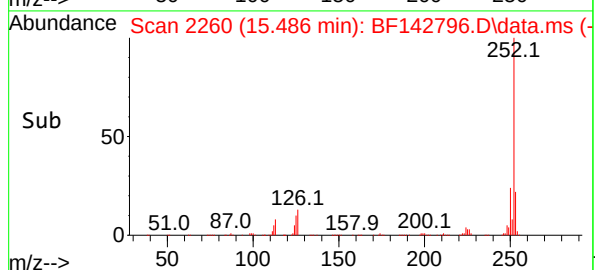
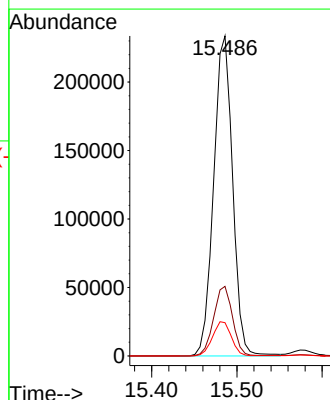
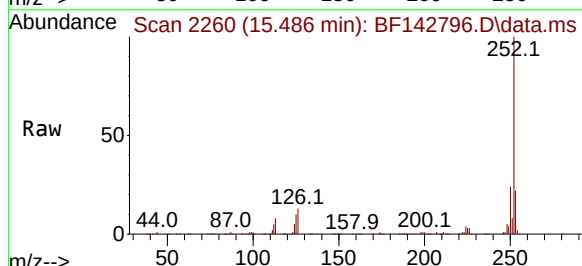
Tgt Ion:252 Resp: 361077

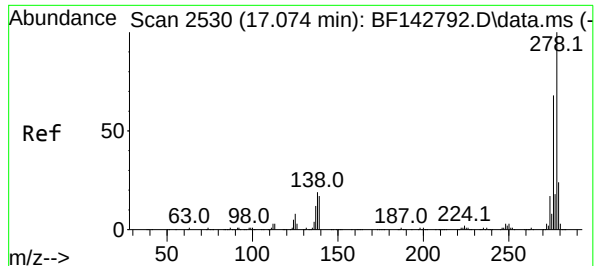
Ion Ratio Lower Upper

252 100

253 21.8 17.5 26.3

125 10.4 8.6 12.8

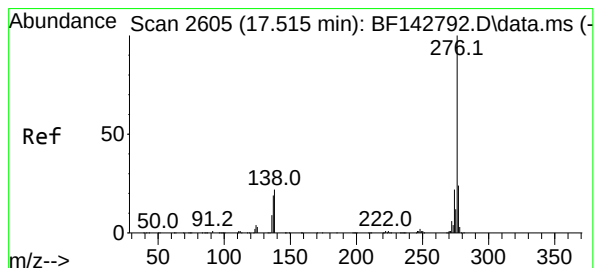
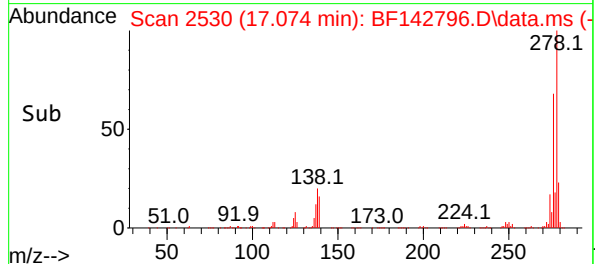
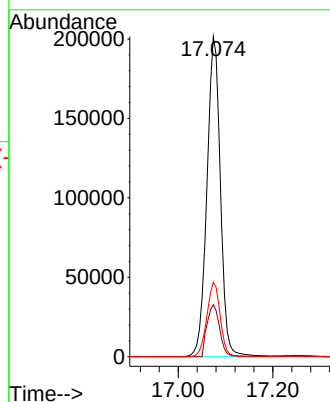
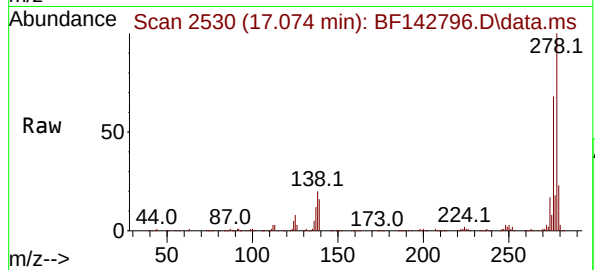




#91
Dibenzo(a,h)anthracene
Concen: 42.069 ng
RT: 17.074 min Scan# 21
Delta R.T. 0.000 min
Lab File: BF142796.D
Acq: 19 Jun 2025 21:10

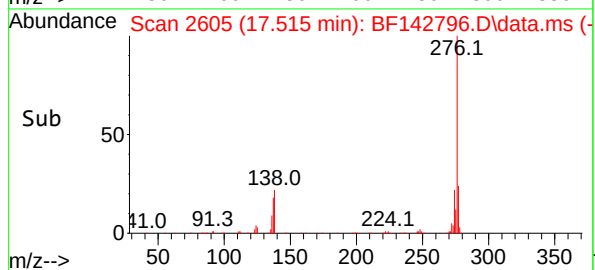
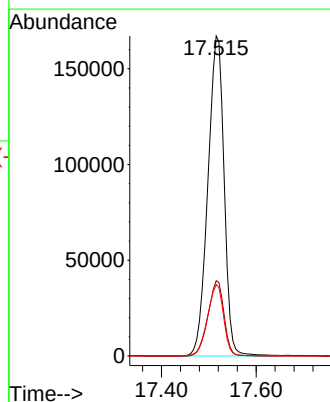
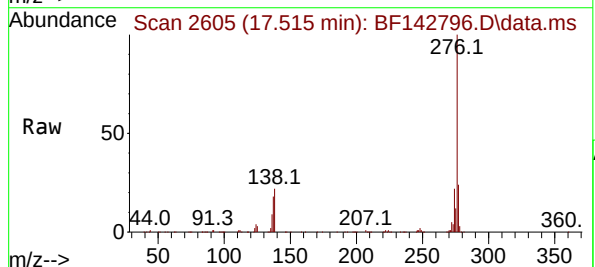
Instrument :
BNA_F
ClientSampleId :
ICVBF061925

Tgt Ion:278 Resp: 399293
Ion Ratio Lower Upper
278 100
139 16.3 13.5 20.3
279 23.3 18.8 28.2



#92
Benzo(g,h,i)perylene
Concen: 42.006 ng
RT: 17.515 min Scan# 2605
Delta R.T. 0.000 min
Lab File: BF142796.D
Acq: 19 Jun 2025 21:10

Tgt Ion:276 Resp: 397566
Ion Ratio Lower Upper
276 100
277 23.5 18.8 28.2
138 22.3 17.6 26.4



Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF061925\
 Data File : BF142796.D
 Acq On : 19 Jun 2025 21:10
 Operator : RC/JU
 Sample : SSTDICV040
 Misc :
 ALS Vial : 10 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 ICVBF061925

Quant Time: Jun 24 15:59:56 2025
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF061925.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Tue Jun 24 05:28:21 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	89	0.00
2	1,4-Dioxane	0.480	0.473	1.5	91	0.00
3	Pyridine	1.205	1.248	-3.6	95	0.00
4	n-Nitrosodimethylamine	0.623	0.653	-4.8	97	0.00
5 S	2-Fluorophenol	1.201	1.219	-1.5	94	0.00
6	Aniline	1.886	1.999	-6.0	97	0.00
7 S	Phenol-d6	1.417	1.422	-0.4	94	0.00
8	2-Chlorophenol	1.296	1.362	-5.1	97	0.00
9	Benzaldehyde	0.841	0.999	-18.8	117	0.00
10 C	Phenol	1.575	1.650	-4.8	96	0.00
11	bis(2-Chloroethyl)ether	1.126	1.187	-5.4	98	0.00
12	1,3-Dichlorobenzene	1.449	1.542	-6.4	99	0.00
13 C	1,4-Dichlorobenzene	1.462	1.545	-5.7	97	0.00
14	1,2-Dichlorobenzene	1.387	1.474	-6.3	98	0.00
15	Benzyl Alcohol	1.025	1.079	-5.3	98	0.00
16	2,2'-oxybis(1-Chloropropane	1.809	1.917	-6.0	99	0.00
17	2-Methylphenol	0.982	1.043	-6.2	98	0.00
18	Hexachloroethane	0.511	0.545	-6.7	97	0.00
19 P	n-Nitroso-di-n-propylamine	0.824	0.858	-4.1	97	0.00
20	3+4-Methylphenols	1.224	1.313	-7.3	99	0.00
21 I	Naphthalene-d8	1.000	1.000	0.0	89	0.00
22	Acetophenone	0.441	0.468	-6.1	100	0.00
23 S	Nitrobenzene-d5	0.365	0.334	8.5	84	0.00
24	Nitrobenzene	0.330	0.346	-4.8	97	0.00
25	Isophorone	0.585	0.605	-3.4	97	0.00
26 C	2-Nitrophenol	0.180	0.194	-7.8	97	0.00
27	2,4-Dimethylphenol	0.311	0.328	-5.5	98	0.00
28	bis(2-Chloroethoxy)methane	0.372	0.390	-4.8	98	0.00
29 C	2,4-Dichlorophenol	0.282	0.298	-5.7	97	0.00
30	1,2,4-Trichlorobenzene	0.310	0.327	-5.5	98	0.00
31	Naphthalene	0.979	1.033	-5.5	99	0.00
32	Benzoic acid	0.159	0.181	-13.8	103	0.00
33	4-Chloroaniline	0.398	0.416	-4.5	98	0.00
34 C	Hexachlorobutadiene	0.190	0.203	-6.8	98	0.00
35	Caprolactam	0.075	0.076	-1.3	95	0.00
36 C	4-Chloro-3-methylphenol	0.281	0.294	-4.6	97	0.00
37	2-Methylnaphthalene	0.607	0.633	-4.3	97	0.00
38	1-Methylnaphthalene	0.628	0.653	-4.0	97	0.00
39 I	Acenaphthene-d10	1.000	1.000	0.0	88	0.00
40	1,2,4,5-Tetrachlorobenzene	0.590	0.638	-8.1	101	0.00
41 P	Hexachlorocyclopentadiene	0.335	0.380	-13.4	100	0.00
42 S	2,4,6-Tribromophenol	0.206	0.206	0.0	91	0.00
43 C	2,4,6-Trichlorophenol	0.385	0.409	-6.2	99	0.00
44	2,4,5-Trichlorophenol	0.405	0.436	-7.7	98	0.00
45 S	2-Fluorobiphenyl	1.522	1.373	9.8	85	0.00
46	1,1'-Biphenyl	1.580	1.665	-5.4	98	0.00
47	2-Chloronaphthalene	1.186	1.239	-4.5	97	0.00

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF061925\
 Data File : BF142796.D
 Acq On : 19 Jun 2025 21:10
 Operator : RC/JU
 Sample : SSTDICV040
 Misc :
 ALS Vial : 10 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 ICVBF061925

Quant Time: Jun 24 15:59:56 2025
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF061925.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Tue Jun 24 05:28:21 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	0.332	0.347	-4.5	94	0.00
49	Acenaphthylene	1.952	2.029	-3.9	96	0.00
50	Dimethylphthalate	1.295	1.334	-3.0	96	0.00
51	2,6-Dinitrotoluene	0.284	0.294	-3.5	94	0.00
52 C	Acenaphthene	1.191	1.245	-4.5	96	0.00
53	3-Nitroaniline	0.313	0.325	-3.8	95	0.00
54 P	2,4-Dinitrophenol	0.142	0.156	-9.9	97	0.00
55	Dibenzofuran	1.708	1.757	-2.9	95	0.00
56 P	4-Nitrophenol	0.214	0.217	-1.4	92	0.00
57	2,4-Dinitrotoluene	0.378	0.390	-3.2	94	0.00
58	Fluorene	1.334	1.369	-2.6	96	0.00
59	2,3,4,6-Tetrachlorophenol	0.326	0.341	-4.6	97	0.00
60	Diethylphthalate	1.269	1.299	-2.4	95	0.00
61	4-Chlorophenyl-phenylether	0.636	0.650	-2.2	96	0.00
62	4-Nitroaniline	0.286	0.291	-1.7	94	0.00
63	Azobenzene	1.134	1.164	-2.6	95	0.00
64 I	Phenanthrene-d10	1.000	1.000	0.0	87	0.00
65	4,6-Dinitro-2-methylphenol	0.121	0.131	-8.3	95	0.00
66 c	n-Nitrosodiphenylamine	0.693	0.727	-4.9	94	0.00
67	4-Bromophenyl-phenylether	0.228	0.247	-8.3	98	0.00
68	Hexachlorobenzene	0.253	0.270	-6.7	97	0.00
69	Atrazine	0.179	0.192	-7.3	96	0.00
70 C	Pentachlorophenol	0.126	0.137	-8.7	94	0.00
71	Phenanthrene	1.083	1.127	-4.1	95	0.00
72	Anthracene	1.111	1.167	-5.0	95	0.00
73	Carbazole	0.959	0.979	-2.1	94	0.00
74	Di-n-butylphthalate	0.999	1.055	-5.6	97	0.00
75 C	Fluoranthene	1.028	1.038	-1.0	94	0.00
76 I	Chrysene-d12	1.000	1.000	0.0	86	0.00
77	Benzidine	0.751	0.893	-18.9	99	0.00
78	Pyrene	1.875	1.912	-2.0	94	0.00
79 S	Terphenyl-d14	1.447	1.282	11.4	83	0.00
80	Butylbenzylphthalate	0.544	0.631	-16.0	99	0.00
81	Benzo(a)anthracene	1.349	1.412	-4.7	96	0.00
82	3,3'-Dichlorobenzidine	0.438	0.509	-16.2	102	0.00
83	Chrysene	1.204	1.313	-9.1	97	0.00
84	Bis(2-ethylhexyl)phthalate	0.782	0.938	-19.9	100	0.00
85 c	Di-n-octyl phthalate	1.475	1.734	-17.6	102	0.00
86 I	Perylene-d12	1.000	1.000	0.0	90	0.00
87	Indeno(1,2,3-cd)pyrene	1.523	1.602	-5.2	98	0.00
88	Benzo(b)fluoranthene	1.157	1.180	-2.0	99	0.00
89	Benzo(k)fluoranthene	1.083	1.131	-4.4	98	0.00
90 C	Benzo(a)pyrene	1.118	1.177	-5.3	99	0.00
91	Dibenzo(a,h)anthracene	1.238	1.302	-5.2	99	0.00
92	Benzo(g,h,i)perylene	1.234	1.296	-5.0	98	0.00

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF061925\
Data File : BF142796.D
Acq On : 19 Jun 2025 21:10
Operator : RC/JU
Sample : SSTDICV040
Misc :
ALS Vial : 10 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
ICVBF061925

Quant Time: Jun 24 15:59:56 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF061925.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Tue Jun 24 05:28:21 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\BF061925\
 Data File : BF142796.D
 Acq On : 19 Jun 2025 21:10
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 QLast Update : Tue Jun 24 05:28:21 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	89	0.00
2	1,4-Dioxane	40.000	39.357	1.6	91	0.00
3	Pyridine	40.000	41.446	-3.6	95	0.00
4	n-Nitrosodimethylamine	40.000	41.912	-4.8	97	0.00
5 S	2-Fluorophenol	80.000	81.192	-1.5	94	0.00
6	Aniline	40.000	42.392	-6.0	97	0.00
7 S	Phenol-d6	80.000	80.262	-0.3	94	0.00
8	2-Chlorophenol	40.000	42.036	-5.1	97	0.00
9	Benzaldehyde	40.000	47.511	-18.8	117	0.00
10 C	Phenol	40.000	41.901	-4.8	96	0.00
11	bis(2-Chloroethyl)ether	40.000	42.157	-5.4	98	0.00
12	1,3-Dichlorobenzene	40.000	42.568	-6.4	99	0.00
13 C	1,4-Dichlorobenzene	40.000	42.268	-5.7	97	0.00
14	1,2-Dichlorobenzene	40.000	42.520	-6.3	98	0.00
15	Benzyl Alcohol	40.000	42.114	-5.3	98	0.00
16	2,2'-oxybis(1-Chloropropane	40.000	42.379	-5.9	99	0.00
17	2-Methylphenol	40.000	42.485	-6.2	98	0.00
18	Hexachloroethane	40.000	42.589	-6.5	97	0.00
19 P	n-Nitroso-di-n-propylamine	40.000	41.640	-4.1	97	0.00
20	3+4-Methylphenols	40.000	42.904	-7.3	99	0.00
21 I	Naphthalene-d8	20.000	20.000	0.0	89	0.00
22	Acetophenone	40.000	42.478	-6.2	100	0.00
23 S	Nitrobenzene-d5	80.000	73.334	8.3	84	0.00
24	Nitrobenzene	40.000	41.968	-4.9	97	0.00
25	Isophorone	40.000	41.403	-3.5	97	0.00
26 C	2-Nitrophenol	40.000	43.224	-8.1	97	0.00
27	2,4-Dimethylphenol	40.000	42.168	-5.4	98	0.00
28	bis(2-Chloroethoxy)methane	40.000	41.960	-4.9	98	0.00
29 C	2,4-Dichlorophenol	40.000	42.196	-5.5	97	0.00
30	1,2,4-Trichlorobenzene	40.000	42.177	-5.4	98	0.00
31	Naphthalene	40.000	42.218	-5.5	99	0.00
32	Benzoic acid	40.000	45.685	-14.2	103	0.00
33	4-Chloroaniline	40.000	41.766	-4.4	98	0.00
34 C	Hexachlorobutadiene	40.000	42.657	-6.6	98	0.00
35	Caprolactam	40.000	40.928	-2.3	95	0.00
36 C	4-Chloro-3-methylphenol	40.000	41.890	-4.7	97	0.00
37	2-Methylnaphthalene	40.000	41.730	-4.3	97	0.00
38	1-Methylnaphthalene	40.000	41.554	-3.9	97	0.00
39 I	Acenaphthene-d10	20.000	20.000	0.0	88	0.00
40	1,2,4,5-Tetrachlorobenzene	40.000	43.233	-8.1	101	0.00
41 P	Hexachlorocyclopentadiene	40.000	45.361	-13.4	100	0.00
42 S	2,4,6-Tribromophenol	80.000	80.065	-0.1	91	0.00
43 C	2,4,6-Trichlorophenol	40.000	42.543	-6.4	99	0.00
44	2,4,5-Trichlorophenol	40.000	43.045	-7.6	98	0.00
45 S	2-Fluorobiphenyl	80.000	72.171	9.8	85	0.00
46	1,1'-Biphenyl	40.000	42.159	-5.4	98	0.00
47	2-Chloronaphthalene	40.000	41.817	-4.5	97	0.00

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF061925\
 Data File : BF142796.D
 Acq On : 19 Jun 2025 21:10
 Operator : RC/JU
 Sample : SSTDICV040
 Misc :
 ALS Vial : 10 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 ICVBF061925

Quant Time: Jun 24 15:59:56 2025
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF061925.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Tue Jun 24 05:28:21 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	41.724	-4.3	94	0.00
49	Acenaphthylene	40.000	41.586	-4.0	96	0.00
50	Dimethylphthalate	40.000	41.232	-3.1	96	0.00
51	2,6-Dinitrotoluene	40.000	41.386	-3.5	94	0.00
52 C	Acenaphthene	40.000	41.825	-4.6	96	0.00
53	3-Nitroaniline	40.000	41.512	-3.8	95	0.00
54 P	2,4-Dinitrophenol	40.000	43.742	-9.4	97	0.00
55	Dibenzofuran	40.000	41.150	-2.9	95	0.00
56 P	4-Nitrophenol	40.000	40.556	-1.4	92	0.00
57	2,4-Dinitrotoluene	40.000	41.358	-3.4	94	0.00
58	Fluorene	40.000	41.052	-2.6	96	0.00
59	2,3,4,6-Tetrachlorophenol	40.000	41.857	-4.6	97	0.00
60	Diethylphthalate	40.000	40.937	-2.3	95	0.00
61	4-Chlorophenyl-phenylether	40.000	40.862	-2.2	96	0.00
62	4-Nitroaniline	40.000	40.628	-1.6	94	0.00
63	Azobenzene	40.000	41.025	-2.6	95	0.00
64 I	Phenanthrene-d10	20.000	20.000	0.0	87	0.00
65	4,6-Dinitro-2-methylphenol	40.000	43.341	-8.4	95	0.00
66 c	n-Nitrosodiphenylamine	40.000	41.955	-4.9	94	0.00
67	4-Bromophenyl-phenylether	40.000	43.376	-8.4	98	0.00
68	Hexachlorobenzene	40.000	42.632	-6.6	97	0.00
69	Atrazine	40.000	42.840	-7.1	96	0.00
70 C	Pentachlorophenol	40.000	43.337	-8.3	94	0.00
71	Phenanthrene	40.000	41.603	-4.0	95	0.00
72	Anthracene	40.000	42.013	-5.0	95	0.00
73	Carbazole	40.000	40.858	-2.1	94	0.00
74	Di-n-butylphthalate	40.000	42.228	-5.6	97	0.00
75 C	Fluoranthene	40.000	40.372	-0.9	94	0.00
76 I	Chrysene-d12	20.000	20.000	0.0	86	0.00
77	Benzydine	40.000	47.530	-18.8	99	0.00
78	Pyrene	40.000	40.794	-2.0	94	0.00
79 S	Terphenyl-d14	80.000	70.839	11.5	83	0.00
80	Butylbenzylphthalate	40.000	46.431	-16.1	99	0.00
81	Benzo(a)anthracene	40.000	41.868	-4.7	96	0.00
82	3,3'-Dichlorobenzidine	40.000	46.521	-16.3	102	0.00
83	Chrysene	40.000	43.637	-9.1	97	0.00
84	Bis(2-ethylhexyl)phthalate	40.000	47.976	-19.9	100	0.00
85 c	Di-n-octyl phthalate	40.000	47.026	-17.6	102	0.00
86 I	Perylene-d12	20.000	20.000	0.0	90	0.00
87	Indeno(1,2,3-cd)pyrene	40.000	42.060	-5.2	98	0.00
88	Benzo(b)fluoranthene	40.000	40.801	-2.0	99	0.00
89	Benzo(k)fluoranthene	40.000	41.800	-4.5	98	0.00
90 C	Benzo(a)pyrene	40.000	42.117	-5.3	99	0.00
91	Dibenzo(a,h)anthracene	40.000	42.069	-5.2	99	0.00
92	Benzo(g,h,i)perylene	40.000	42.006	-5.0	98	0.00

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF061925\
Data File : BF142796.D
Acq On : 19 Jun 2025 21:10
Operator : RC/JU
Sample : SSTDICV040
Misc :
ALS Vial : 10 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
ICVBF061925

Quant Time: Jun 24 15:59:56 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF061925.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Tue Jun 24 05:28:21 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: CAMP02

Lab Code: CHEM Case No.: Q2436 SAS No.: Q2436 SDG No.: Q2436

Instrument ID: BNA_F Calibration Date/Time: 06/30/2025 15:35

Lab File ID: BF142916.D Init. Calib. Date(s): 06/19/2025 06/19/2025

EPA Sample No.: SSTDCCC040 Init. Calib. Time(s): 17:07 20:40

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

COMPOUND	RRF	RRF040	MIN RRF	%D	MAX%D
2-Fluorophenol	1.201	1.259		4.8	
Benzaldehyde	0.841	0.749		-10.9	
Phenol-d6	1.417	1.469		3.7	
Phenol	1.575	1.622		3.0	20.0
bis(2-Chloroethyl)ether	1.126	1.177		4.5	
2-Chlorophenol	1.296	1.364		5.2	
2-Methylphenol	0.982	1.023		4.2	
2,2-oxybis(1-Chloropropane)	1.809	1.775		-1.9	
Acetophenone	0.441	0.450		2.0	
3+4-Methylphenols	1.224	1.289		5.3	
n-Nitroso-di-n-propylamine	0.824	0.852	0.050	3.4	
Nitrobenzene-d5	0.365	0.436		19.5	
Hexachloroethane	0.511	0.544		6.5	
Nitrobenzene	0.330	0.336		1.8	
Isophorone	0.585	0.582		-0.5	
2-Nitrophenol	0.180	0.189		5.0	20.0
2,4-Dimethylphenol	0.311	0.316		1.6	
bis(2-Chloroethoxy)methane	0.372	0.374		0.5	
2,4-Dichlorophenol	0.282	0.292		3.5	20.0
Naphthalene	0.979	0.992		1.3	
4-Chloroaniline	0.398	0.399		0.3	
Hexachlorobutadiene	0.190	0.198		4.2	20.0
Caprolactam	0.075	0.075		0.0	
4-Chloro-3-methylphenol	0.281	0.281		0.0	20.0
2-Methylnaphthalene	0.607	0.607		0.0	
Hexachlorocyclopentadiene	0.335	0.325	0.050	-3.0	
2,4,6-Trichlorophenol	0.385	0.392		1.8	20.0
2-Fluorobiphenyl	1.522	1.795		17.9	
2,4,5-Trichlorophenol	0.405	0.421		4.0	
1,1-Biphenyl	1.580	1.626		2.9	
2-Chloronaphthalene	1.186	1.221		3.0	
2-Nitroaniline	0.332	0.343		3.3	
Dimethylphthalate	1.295	1.343		3.7	
Acenaphthylene	1.952	2.004		2.7	
2,6-Dinitrotoluene	0.284	0.293		3.2	
3-Nitroaniline	0.313	0.320		2.2	
Acenaphthene	1.191	1.224		2.8	20.0
2,4-Dinitrophenol	0.142	0.137	0.050	-3.5	
4-Nitrophenol	0.214	0.207	0.050	-3.3	



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

7C

SEMIVOLATILE CONTINUING CALIBRATION CHECK

Lab Name: CHEMTECH Contract: CAMP02

Lab Code: CHEM Case No.: Q2436 SAS No.: Q2436 SDG No.: Q2436

Instrument ID: BNA_F Calibration Date/Time: 06/30/2025 15:35

Lab File ID: BF142916.D Init. Calib. Date(s): 06/19/2025 06/19/2025

EPA Sample No.: SSTDCCC040 Init. Calib. Time(s): 17:07 20:40

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

COMPOUND	RRF	RRF040	MIN RRF	%D	MAX%D
Dibenzofuran	1.708	1.735		1.6	
2,4-Dinitrotoluene	0.378	0.392		3.7	
Diethylphthalate	1.269	1.310		3.2	
4-Chlorophenyl-phenylether	0.636	0.652		2.5	
Fluorene	1.334	1.357		1.7	
4-Nitroaniline	0.286	0.291		1.7	
4,6-Dinitro-2-methylphenol	0.121	0.128		5.8	
n-Nitrosodiphenylamine	0.693	0.733		5.8	20.0
2,4,6-Tribromophenol	0.206	0.207		0.5	
4-Bromophenyl-phenylether	0.228	0.244		7.0	
Hexachlorobenzene	0.253	0.265		4.7	
Atrazine	0.179	0.197		10.1	
Pentachlorophenol	0.126	0.124		-1.6	20.0
Phenanthrene	1.083	1.115		3.0	
Anthracene	1.111	1.158		4.2	
Carbazole	0.959	0.985		2.7	
Di-n-butylphthalate	0.999	1.089		9.0	
Fluoranthene	1.028	1.021		-0.7	20.0
Pyrene	1.875	1.763		-6.0	
Terphenyl-d14	1.447	1.557		7.6	
Butylbenzylphthalate	0.544	0.614		12.9	
3,3-Dichlorobenzidine	0.438	0.480		9.6	
Benzo (a) anthracene	1.349	1.401		3.9	
Chrysene	1.204	1.237		2.7	
Bis(2-ethylhexyl)phthalate	0.782	0.891		13.9	
Di-n-octyl phthalate	1.475	1.586		7.5	20.0
Benzo (b) fluoranthene	1.157	1.202		3.9	
Benzo (k) fluoranthene	1.083	1.109		2.4	
Benzo (a) pyrene	1.118	1.174		5.0	20.0
Indeno (1,2,3-cd) pyrene	1.523	1.515		-0.5	
Dibenzo (a,h) anthracene	1.238	1.239		0.1	
Benzo (g,h,i) perylene	1.234	1.215		-1.5	
1,2,4,5-Tetrachlorobenzene	0.590	0.618		4.7	
1,4-Dioxane	0.480	0.489		1.9	20.0
2,3,4,6-Tetrachlorophenol	0.326	0.332		1.8	

All other compounds must meet a minimum RRF of 0.010.

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF063025\
 Data File : BF142916.D
 Acq On : 30 Jun 2025 15:35
 Operator : RC/JU
 Sample : SSTDCCC040
 Misc :
 ALS Vial : 2 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 SSTDCCC040

Quant Time: Jun 30 16:05:54 2025
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF061925.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Tue Jun 24 05:28:21 2025
 Response via : Initial Calibration

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

Internal Standards						
1) 1,4-Dichlorobenzene-d4	6.875	152	68508	20.000	ng	0.00
21) Naphthalene-d8	8.163	136	263015	20.000	ng	0.00
39) Acenaphthene-d10	9.916	164	132502	20.000	ng	0.00
64) Phenanthrene-d10	11.410	188	208976	20.000	ng	0.00
76) Chrysene-d12	14.057	240	119597	20.000	ng	0.00
86) Perylene-d12	15.545	264	138896	20.000	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.493	112	344874	83.813	ng	0.00
7) Phenol-d6	6.504	99	402568	82.924	ng	0.00
23) Nitrobenzene-d5	7.446	82	459090	95.742	ng	0.00
42) 2,4,6-Tribromophenol	10.710	330	109677	80.436	ng	0.00
45) 2-Fluorobiphenyl	9.239	172	951512	94.336	ng	0.00
79) Terphenyl-d14	12.992	244	744658	86.030	ng	0.00
Target Compounds						Qvalue
2) 1,4-Dioxane	2.622	88	67057	40.744	ng	99
3) Pyridine	3.393	79	168805	40.912	ng	97
4) n-Nitrosodimethylamine	3.346	42	85497	40.071	ng	100
6) Aniline	6.540	93	262858	40.693	ng	98
8) 2-Chlorophenol	6.657	128	186952	42.119	ng	99
9) Benzaldehyde	6.428	77	102673	35.648	ng	97
10) Phenol	6.522	94	222234	41.183	ng	90
11) bis(2-Chloroethyl)ether	6.610	93	161246	41.808	ng	97
12) 1,3-Dichlorobenzene	6.816	146	208612	42.024	ng	99
13) 1,4-Dichlorobenzene	6.893	146	209231	41.776	ng	99
14) 1,2-Dichlorobenzene	7.046	146	198069	41.695	ng	99
15) Benzyl Alcohol	7.016	79	148107	42.201	ng	99
16) 2,2'-oxybis(1-Chloropr...	7.151	45	243192	39.247	ng	97
17) 2-Methylphenol	7.128	107	140161	41.669	ng	99
18) Hexachloroethane	7.387	117	74549	42.555	ng	97
19) n-Nitroso-di-n-propyla...	7.287	70	116754	41.351	ng	99
20) 3+4-Methylphenols	7.287	107	176563	42.100	ng	92
22) Acetophenone	7.287	105	236837	40.834	ng	99
24) Nitrobenzene	7.463	77	176704	40.715	ng	97
25) Isophorone	7.698	82	306270	39.816	ng	99
26) 2-Nitrophenol	7.775	139	99248	41.980	ng	99
27) 2,4-Dimethylphenol	7.810	122	166480	40.653	ng	99
28) bis(2-Chloroethoxy)met...	7.904	93	196749	40.233	ng	100
29) 2,4-Dichlorophenol	8.016	162	153557	41.355	ng	99
30) 1,2,4-Trichlorobenzene	8.098	180	168605	41.294	ng	99
31) Naphthalene	8.181	128	522070	40.552	ng	100
32) Benzoic acid	7.922	122	82172	39.368	ng	96
33) 4-Chloroaniline	8.234	127	210114	40.137	ng	98
34) Hexachlorobutadiene	8.298	225	103989	41.637	ng	99
35) Caprolactam	8.604	113	39636	40.452	ng	95
36) 4-Chloro-3-methylphenol	8.710	107	147571	39.989	ng	99
37) 2-Methylnaphthalene	8.875	142	319226	39.996	ng	99
38) 1-Methylnaphthalene	8.975	142	331787	40.157	ng	99
40) 1,2,4,5-Tetrachloroben...	9.040	216	163796	41.895	ng	100
41) Hexachlorocyclopentadiene	9.028	237	86115	38.814	ng	99
43) 2,4,6-Trichlorophenol	9.151	196	103910	40.786	ng	98

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF063025\
 Data File : BF142916.D
 Acq On : 30 Jun 2025 15:35
 Operator : RC/JU
 Sample : SSTDCCC040
 Misc :
 ALS Vial : 2 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 SSTDCCC040

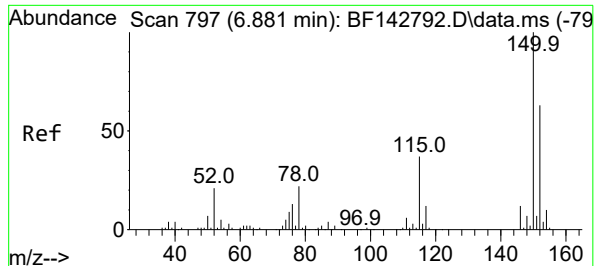
Quant Time: Jun 30 16:05:54 2025
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF061925.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Tue Jun 24 05:28:21 2025
 Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
44) 2,4,5-Trichlorophenol	9.198	196	111614	41.618	ng	98
46) 1,1'-Biphenyl	9.339	154	430882	41.166	ng	99
47) 2-Chloronaphthalene	9.363	162	323479	41.183	ng	99
48) 2-Nitroaniline	9.463	65	90823	41.244	ng	97
49) Acenaphthylene	9.781	152	531028	41.068	ng	100
50) Dimethylphthalate	9.639	163	355805	41.484	ng	100
51) 2,6-Dinitrotoluene	9.704	165	77526	41.159	ng	97
52) Acenaphthene	9.951	154	324284	41.105	ng	100
53) 3-Nitroaniline	9.875	138	84847	40.913	ng	97
54) 2,4-Dinitrophenol	9.981	184	36299	38.487	ng	98
55) Dibenzofuran	10.122	168	459786	40.643	ng	99
56) 4-Nitrophenol	10.034	139	54929	38.689	ng	98
57) 2,4-Dinitrotoluene	10.110	165	103972	41.557	ng	98
58) Fluorene	10.469	166	359673	40.709	ng	100
59) 2,3,4,6-Tetrachlorophenol	10.245	232	87898	40.661	ng	96
60) Diethylphthalate	10.334	149	347233	41.290	ng	99
61) 4-Chlorophenyl-phenyle...	10.457	204	172893	41.008	ng	99
62) 4-Nitroaniline	10.486	138	77148	40.676	ng	99
63) Azobenzene	10.616	77	302972	40.310	ng	99
65) 4,6-Dinitro-2-methylph...	10.516	198	53383	42.233	ng	94
66) n-Nitrosodiphenylamine	10.575	169	306376	42.302	ng	99
67) 4-Bromophenyl-phenylether	10.951	248	102020	42.895	ng	98
68) Hexachlorobenzene	11.016	284	110800	41.926	ng	98
69) Atrazine	11.104	200	82366	44.040	ng	99
70) Pentachlorophenol	11.216	266	51697	39.257	ng	100
71) Phenanthrene	11.433	178	466124	41.176	ng	100
72) Anthracene	11.486	178	483953	41.684	ng	100
73) Carbazole	11.639	167	411637	41.086	ng	100
74) Di-n-butylphthalate	11.963	149	455227	43.616	ng	100
75) Fluoranthene	12.622	202	426616	39.709	ng	100
77) Benzidine	12.745	184	178477	39.720	ng	99
78) Pyrene	12.851	202	421635	37.611	ng	99
80) Butylbenzylphthalate	13.469	149	146881	45.169	ng	96
81) Benzo(a)anthracene	14.045	228	335121	41.537	ng	100
82) 3,3'-Dichlorobenzidine	14.004	252	114867	43.894	ng	99
83) Chrysene	14.080	228	295981	41.112	ng	100
84) Bis(2-ethylhexyl)phtha...	14.027	149	213211	45.571	ng	99
85) Di-n-octyl phthalate	14.639	149	379422	43.008	ng	99
87) Indeno(1,2,3-cd)pyrene	17.063	276	420863	39.781	ng	99
88) Benzo(b)fluoranthene	15.110	252	333841	41.537	ng	100
89) Benzo(k)fluoranthene	15.139	252	308026	40.964	ng	99
90) Benzo(a)pyrene	15.486	252	326252	42.019	ng	98
91) Dibenzo(a,h)anthracene	17.080	278	344249	40.047	ng	98
92) Benzo(g,h,i)perylene	17.521	276	337617	39.387	ng	99

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

Instrument :
BNA_F
ClientSampleId :
SSTDCCC040

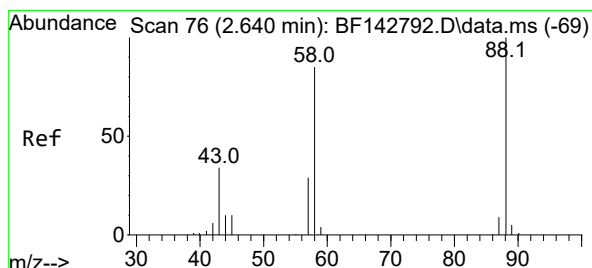
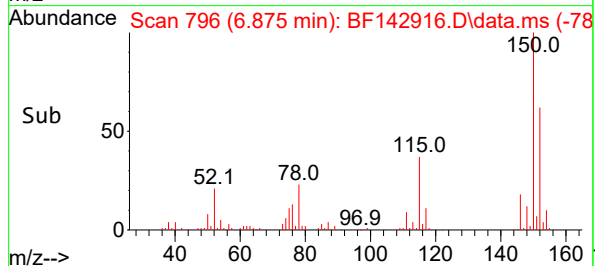
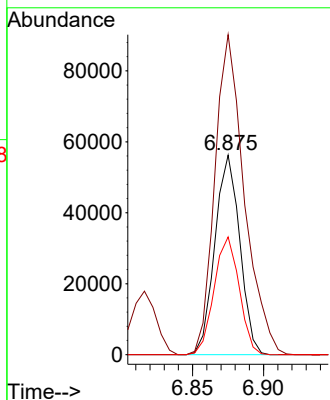
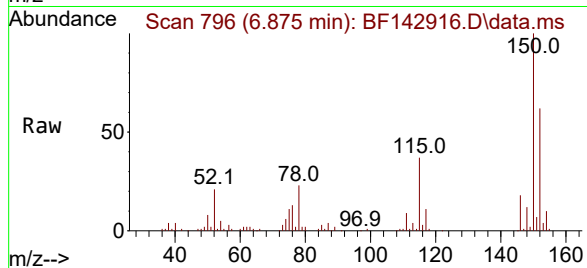
[illegible]



#1
 1,4-Dichlorobenzene-d4
 Concen: 20.000 ng
 RT: 6.875 min Scan# 79
 Delta R.T. -0.006 min
 Lab File: BF142916.D
 Acq: 30 Jun 2025 15:35

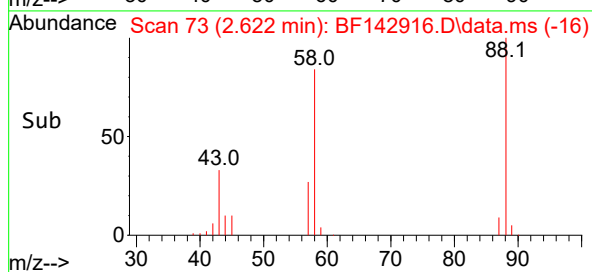
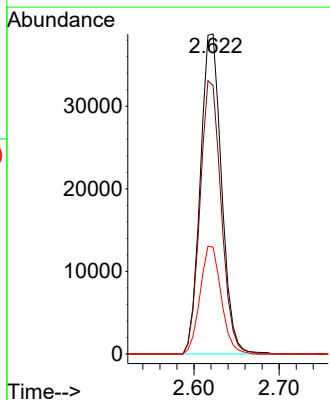
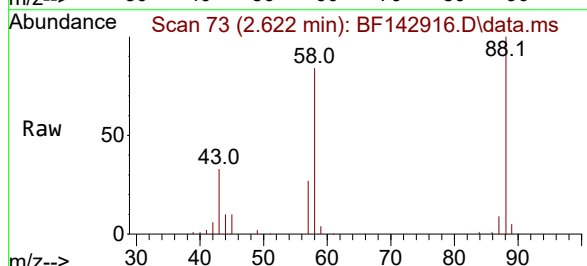
Instrument :
 BNA_F
 ClientSampleId :
 SSTDCCC040

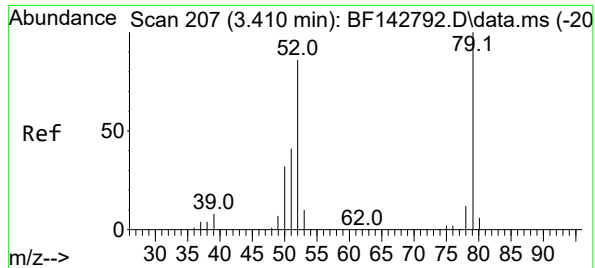
Tgt Ion:152 Resp: 68508
 Ion Ratio Lower Upper
 152 100
 150 160.3 127.2 190.8
 115 59.0 46.6 69.8



#2
 1,4-Dioxane
 Concen: 40.744 ng
 RT: 2.622 min Scan# 73
 Delta R.T. -0.017 min
 Lab File: BF142916.D
 Acq: 30 Jun 2025 15:35

Tgt Ion: 88 Resp: 67057
 Ion Ratio Lower Upper
 88 100
 58 85.2 69.1 103.7
 43 33.5 27.4 41.2

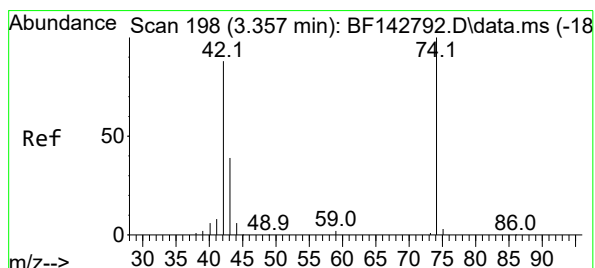
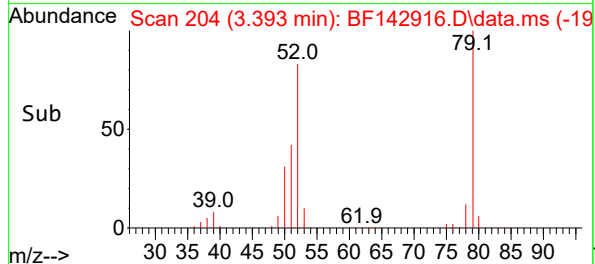
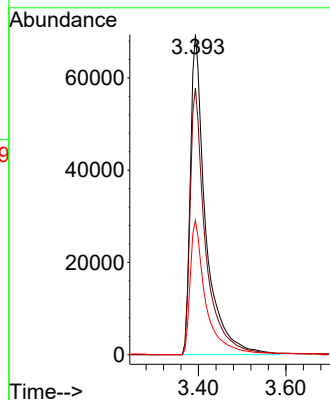
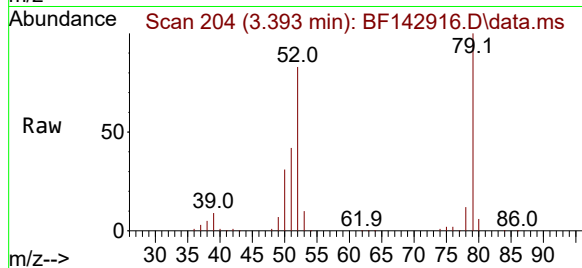




#3
Pyridine
Concen: 40.912 ng
RT: 3.393 min Scan# 20
Delta R.T. -0.017 min
Lab File: BF142916.D
Acq: 30 Jun 2025 15:35

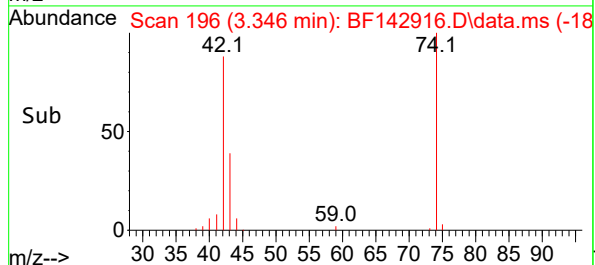
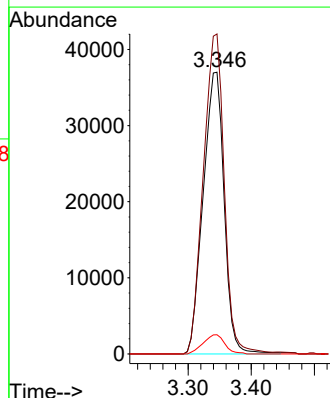
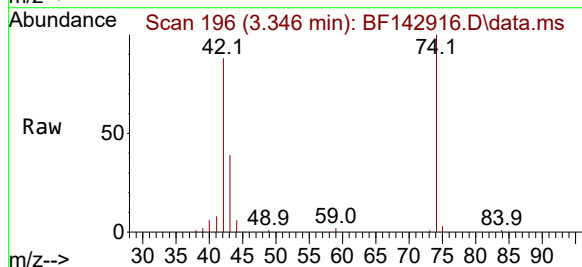
Instrument :
BNA_F
ClientSampleId :
SSTDCCC040

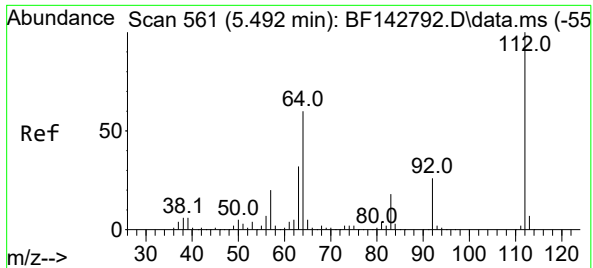
Tgt Ion: 79 Resp: 168805
Ion Ratio Lower Upper
79 100
52 83.3 69.2 103.8
51 41.9 33.2 49.8



#4
n-Nitrosodimethylamine
Concen: 40.071 ng
RT: 3.346 min Scan# 196
Delta R.T. -0.012 min
Lab File: BF142916.D
Acq: 30 Jun 2025 15:35

Tgt Ion: 42 Resp: 85497
Ion Ratio Lower Upper
42 100
74 113.6 90.9 136.3
44 6.8 5.8 8.6

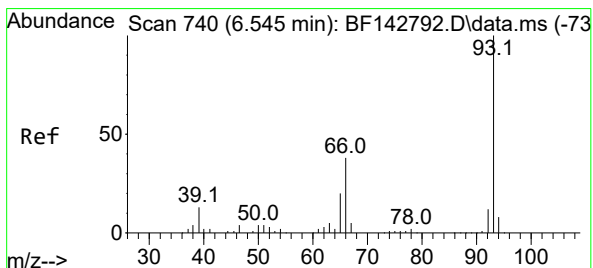
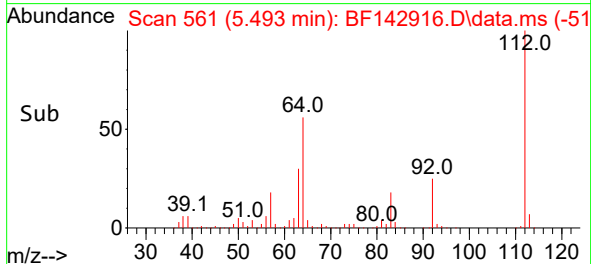
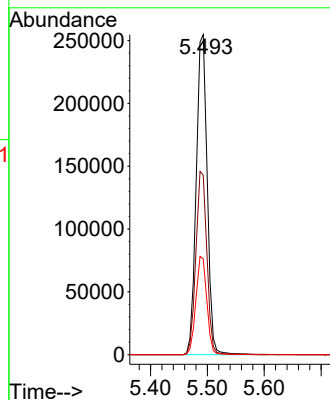
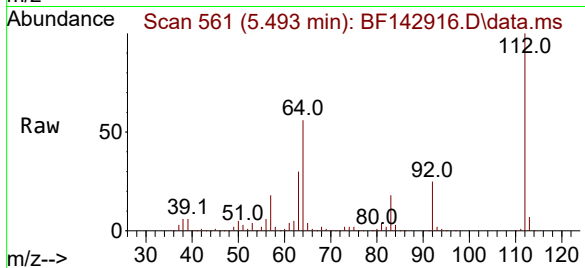




#5
2-Fluorophenol
Concen: 83.813 ng
RT: 5.493 min Scan# 501
Delta R.T. 0.001 min
Lab File: BF142916.D
Acq: 30 Jun 2025 15:35

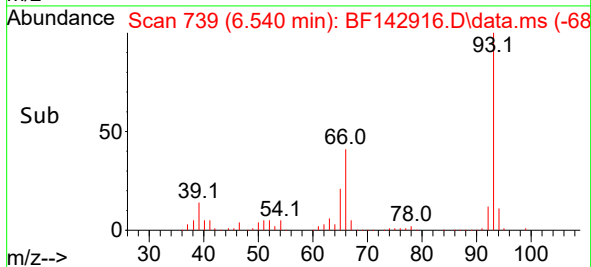
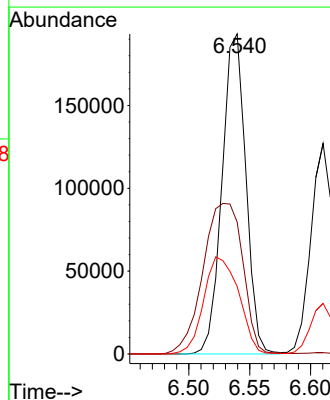
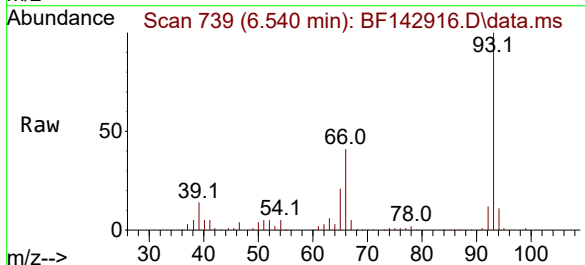
Instrument :
BNA_F
ClientSampleId :
SSTDCCC040

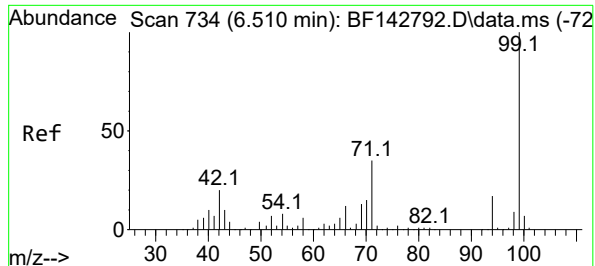
Tgt Ion:112 Resp: 344874
Ion Ratio Lower Upper
112 100
64 56.2 48.2 72.2
63 29.9 25.7 38.5



#6
Aniline
Concen: 40.693 ng
RT: 6.540 min Scan# 739
Delta R.T. -0.006 min
Lab File: BF142916.D
Acq: 30 Jun 2025 15:35

Tgt Ion: 93 Resp: 262858
Ion Ratio Lower Upper
93 100
66 41.2 31.8 47.6
65 21.1 16.2 24.2

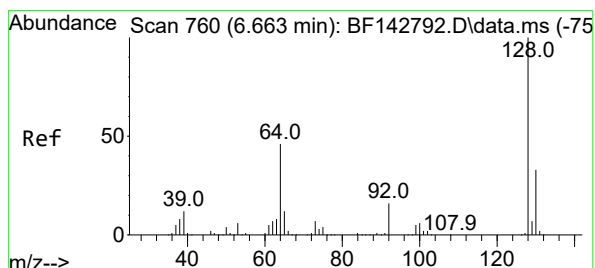
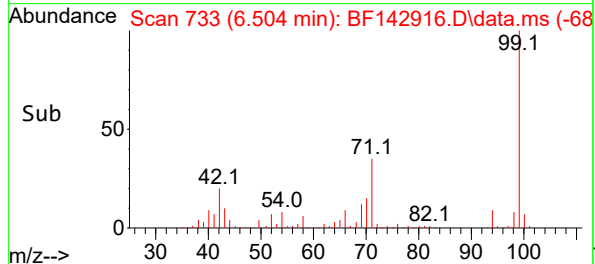
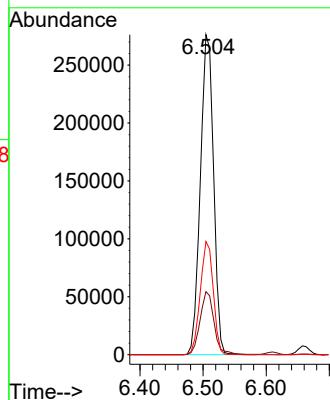
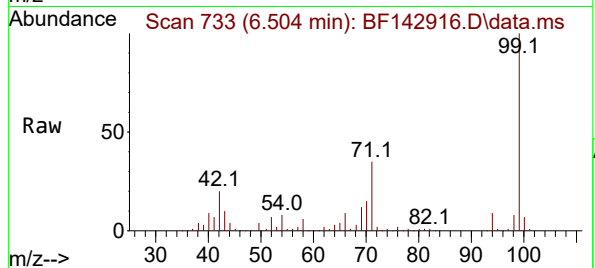




#7
Phenol-d6
Concen: 82.924 ng
RT: 6.504 min Scan# 711
Delta R.T. -0.006 min
Lab File: BF142916.D
Acq: 30 Jun 2025 15:35

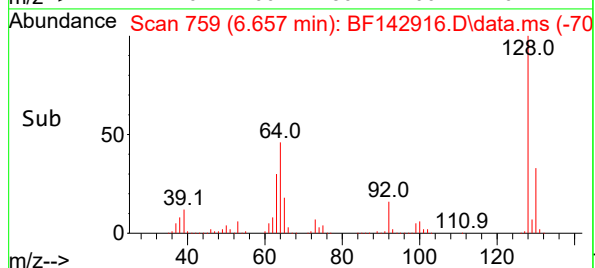
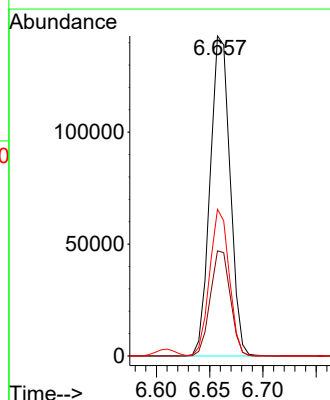
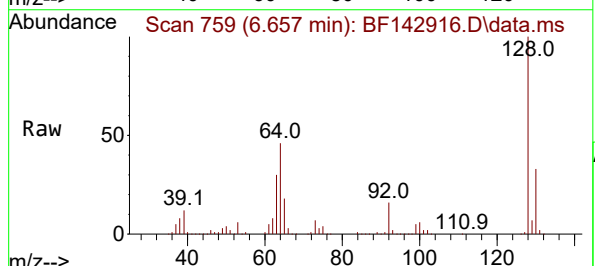
Instrument :
BNA_F
ClientSampleId :
SSTDCCC040

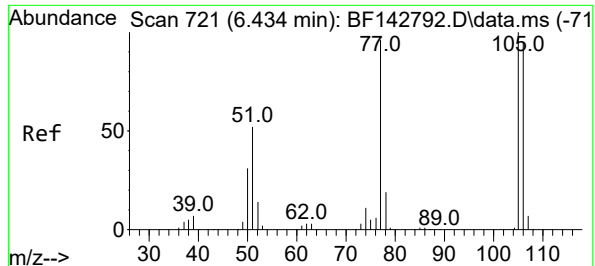
Tgt Ion: 99 Resp: 402568
Ion Ratio Lower Upper
99 100
42 19.7 15.9 23.9
71 35.4 27.8 41.8



#8
2-Chlorophenol
Concen: 42.119 ng
RT: 6.657 min Scan# 759
Delta R.T. -0.006 min
Lab File: BF142916.D
Acq: 30 Jun 2025 15:35

Tgt Ion: 128 Resp: 186952
Ion Ratio Lower Upper
128 100
130 32.9 12.7 52.7
64 45.9 26.5 66.5





#9

Benzaldehyde

Concen: 35.648 ng

RT: 6.428 min Scan# 721

Delta R.T. -0.006 min

Lab File: BF142916.D

Acq: 30 Jun 2025 15:35

Instrument :

BNA_F

ClientSampleId :

SSTDCCC040

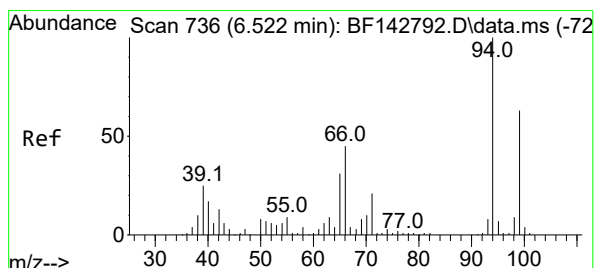
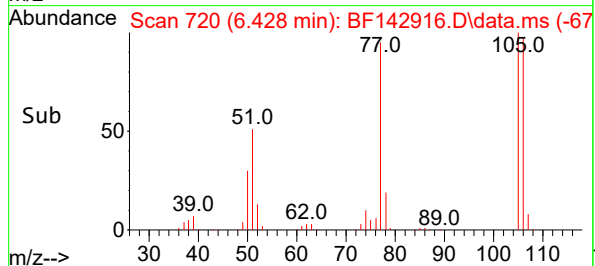
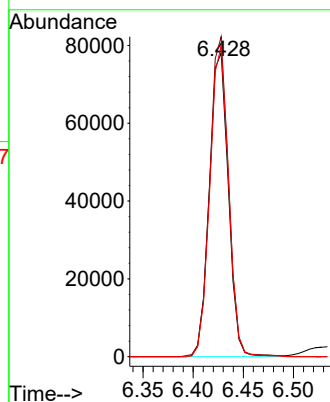
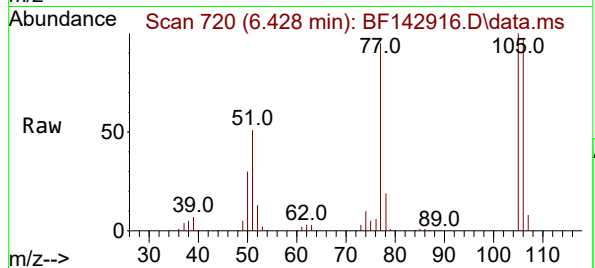
Tgt Ion: 77 Resp: 102673

Ion Ratio Lower Upper

77 100

105 105.4 83.8 123.8

106 102.2 78.7 118.7



#10

Phenol

Concen: 41.183 ng

RT: 6.522 min Scan# 736

Delta R.T. 0.000 min

Lab File: BF142916.D

Acq: 30 Jun 2025 15:35

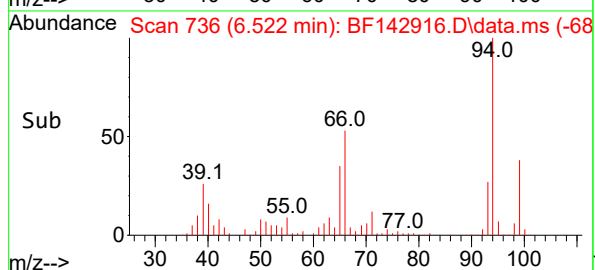
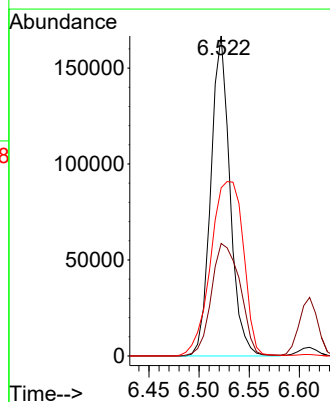
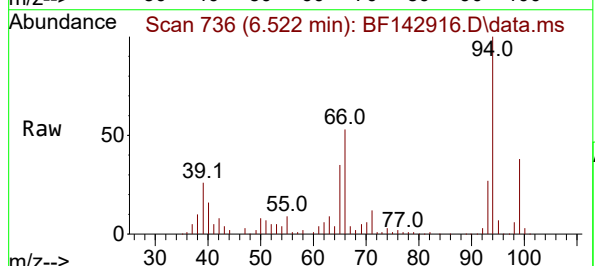
Tgt Ion: 94 Resp: 222234

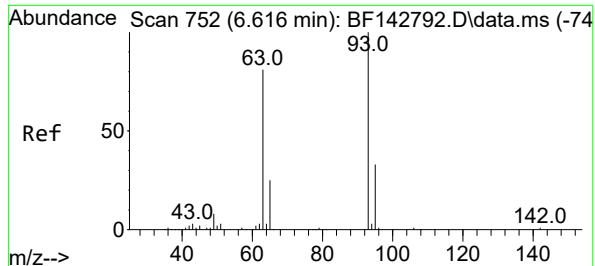
Ion Ratio Lower Upper

94 100

65 35.2 11.3 51.3

66 52.6 24.9 64.9

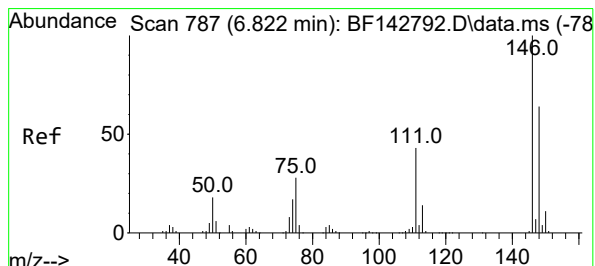
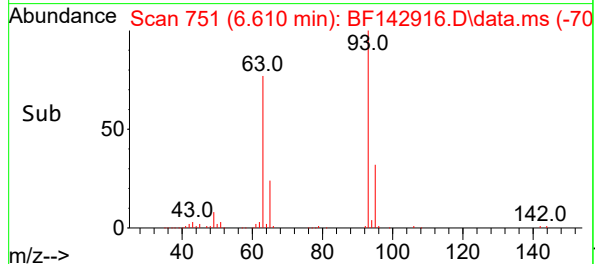
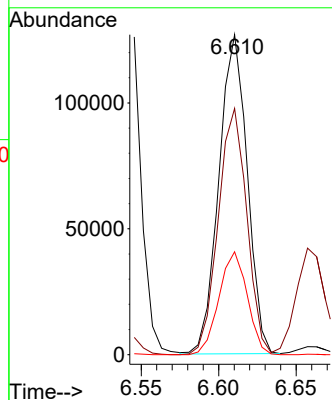
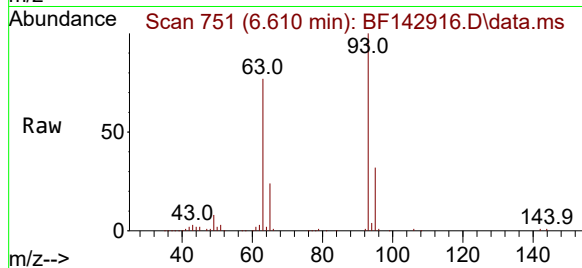




#11
bis(2-Chloroethyl)ether
Concen: 41.808 ng
RT: 6.610 min Scan# 751
Delta R.T. -0.006 min
Lab File: BF142916.D
Acq: 30 Jun 2025 15:35

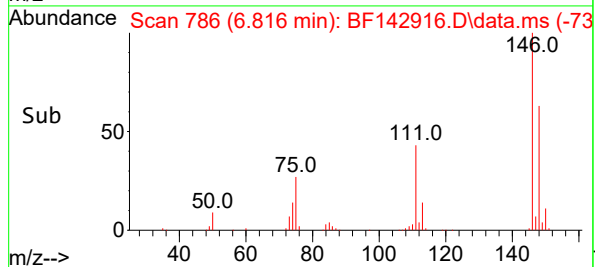
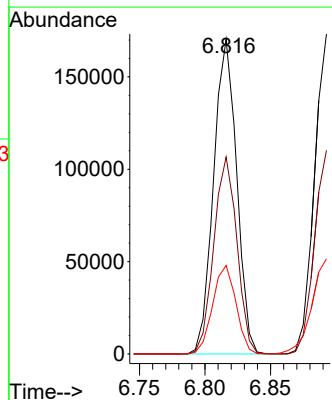
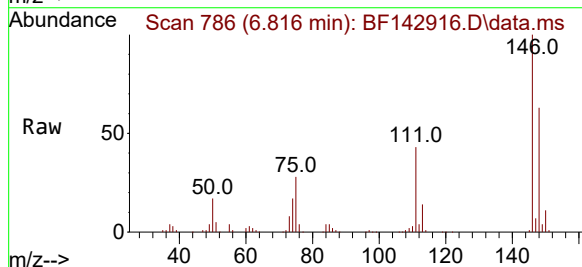
Instrument :
BNA_F
ClientSampleId :
SSTDCCC040

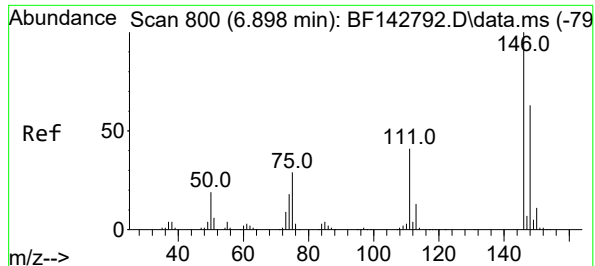
Tgt Ion: 93 Resp: 161246
Ion Ratio Lower Upper
93 100
63 76.9 60.3 100.3
95 32.1 12.5 52.5



#12
1,3-Dichlorobenzene
Concen: 42.024 ng
RT: 6.816 min Scan# 786
Delta R.T. -0.006 min
Lab File: BF142916.D
Acq: 30 Jun 2025 15:35

Tgt Ion:146 Resp: 208612
Ion Ratio Lower Upper
146 100
148 62.6 51.1 76.7
75 28.1 22.7 34.1





#13

1,4-Dichlorobenzene

Concen: 41.776 ng

RT: 6.893 min Scan# 79

Delta R.T. -0.006 min

Lab File: BF142916.D

Acq: 30 Jun 2025 15:35

Instrument :

BNA_F

ClientSampleId :

SSTDCCC040

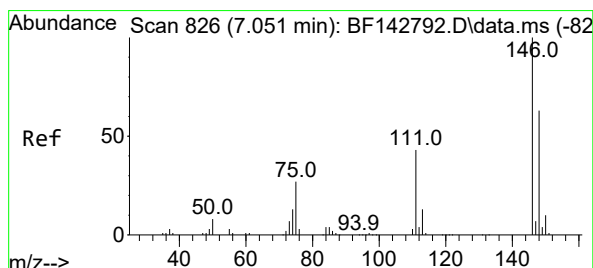
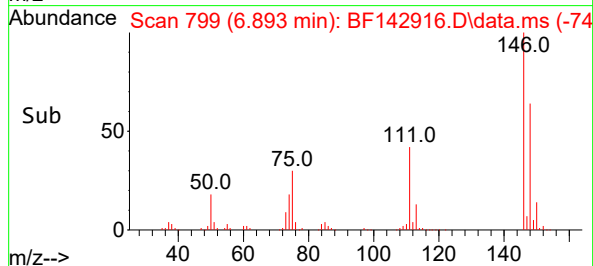
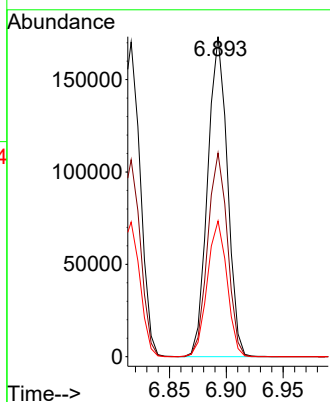
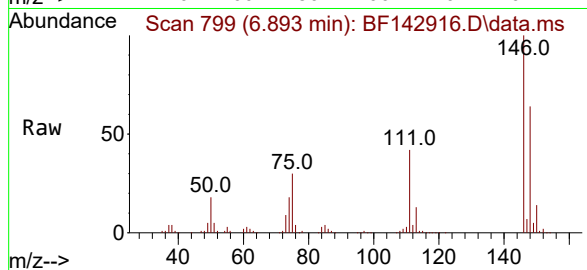
Tgt Ion:146 Resp: 209231

Ion Ratio Lower Upper

146 100

148 63.7 50.2 75.2

111 42.4 33.2 49.8



#14

1,2-Dichlorobenzene

Concen: 41.695 ng

RT: 7.046 min Scan# 825

Delta R.T. -0.006 min

Lab File: BF142916.D

Acq: 30 Jun 2025 15:35

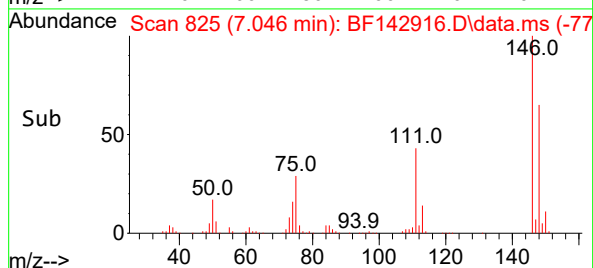
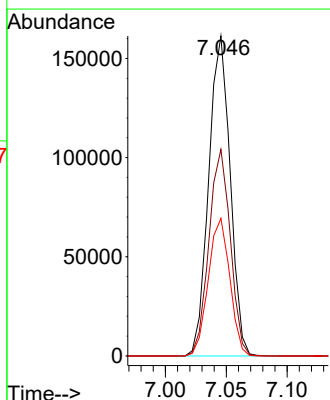
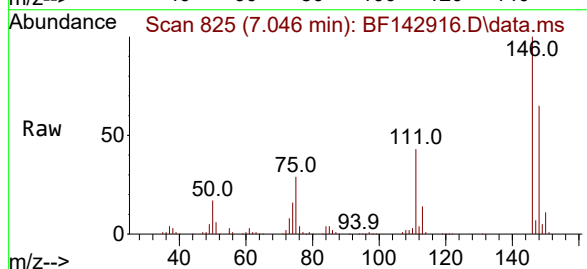
Tgt Ion:146 Resp: 198069

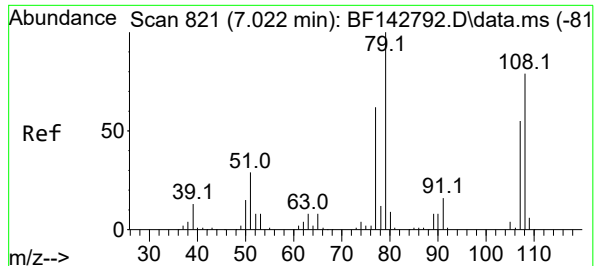
Ion Ratio Lower Upper

146 100

148 64.6 50.4 75.6

111 43.0 34.1 51.1





#15

Benzyl Alcohol

Concen: 42.201 ng

RT: 7.016 min Scan# 81

Delta R.T. -0.006 min

Lab File: BF142916.D

Acq: 30 Jun 2025 15:35

Instrument :

BNA_F

ClientSampleId :

SSTDCCC040

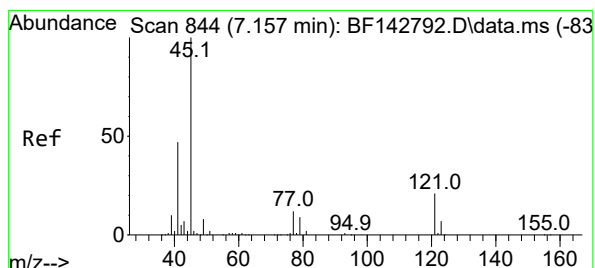
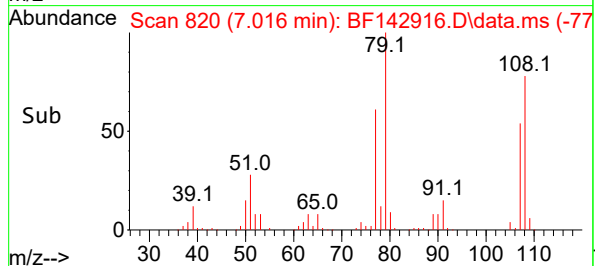
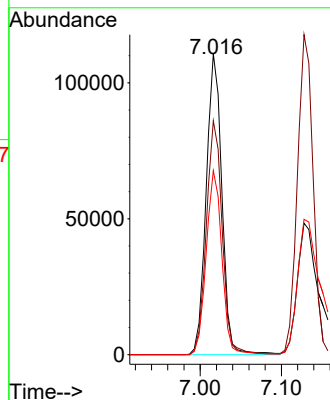
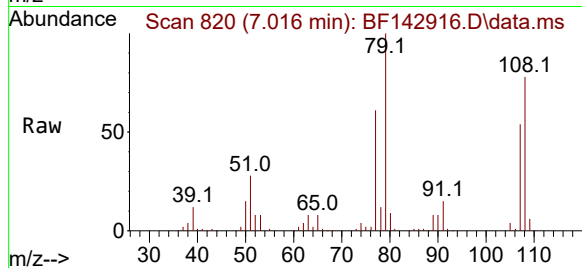
Tgt Ion: 79 Resp: 148107

Ion Ratio Lower Upper

79 100

108 77.7 63.4 95.0

77 61.1 49.5 74.3



#16

2,2'-oxybis(1-Chloropropane)

Concen: 39.247 ng

RT: 7.151 min Scan# 843

Delta R.T. -0.006 min

Lab File: BF142916.D

Acq: 30 Jun 2025 15:35

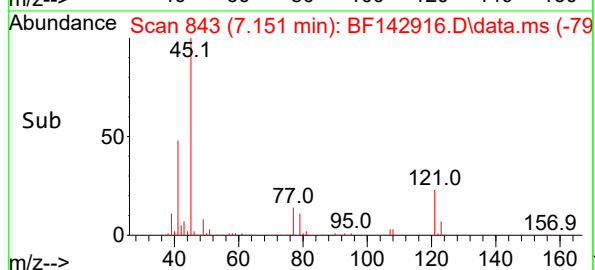
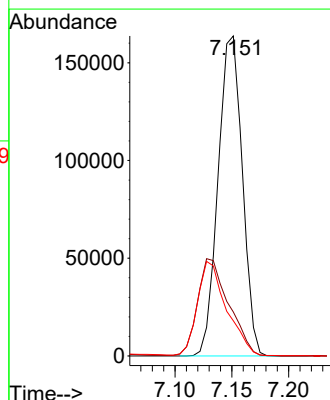
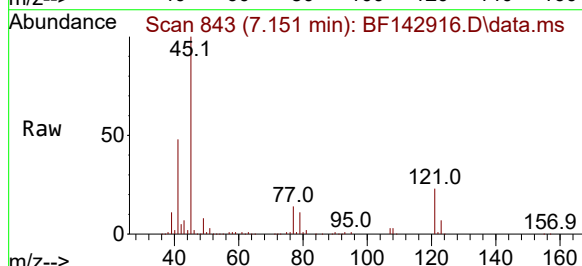
Tgt Ion: 45 Resp: 243192

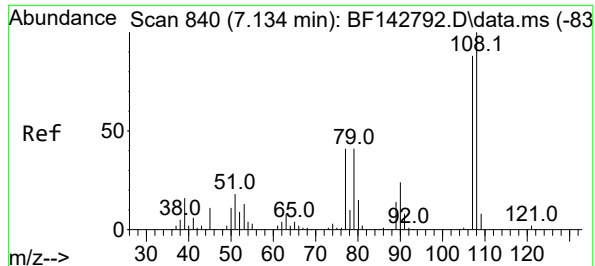
Ion Ratio Lower Upper

45 100

77 13.8 0.0 32.8

79 11.0 0.0 29.8

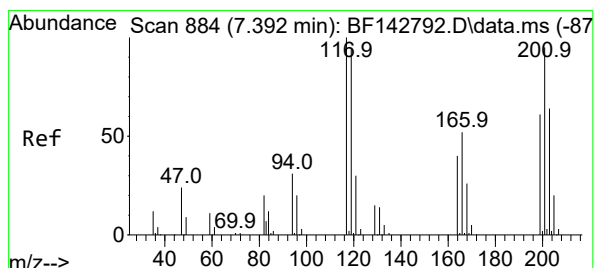
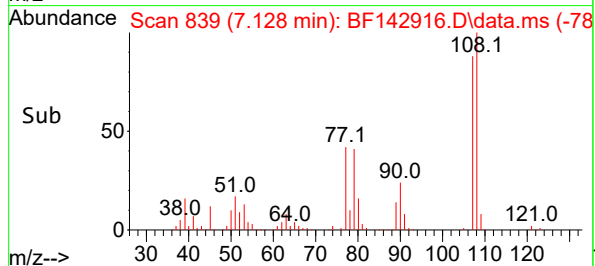
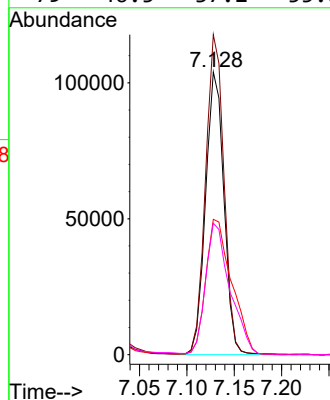
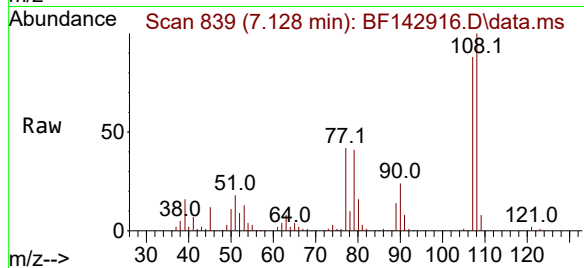




#17
2-Methylphenol
Concen: 41.669 ng
RT: 7.128 min Scan# 81
Delta R.T. -0.006 min
Lab File: BF142916.D
Acq: 30 Jun 2025 15:35

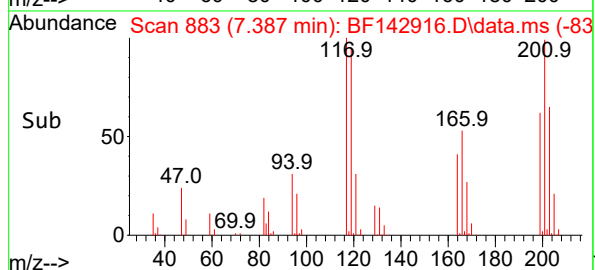
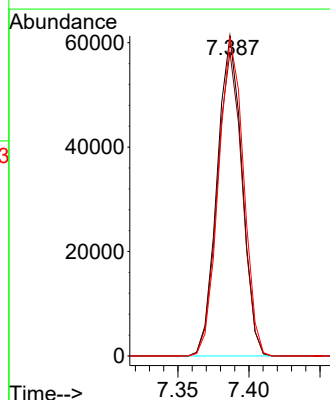
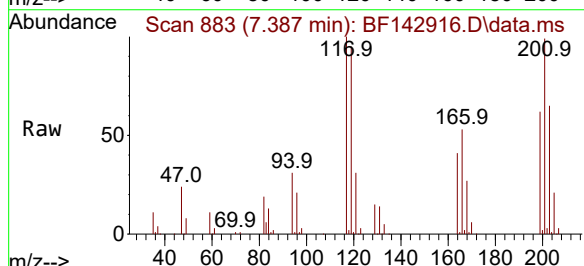
Instrument :
BNA_F
ClientSampleId :
SSTDCCC040

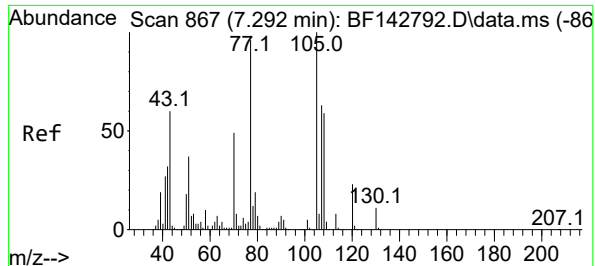
Tgt Ion:107 Resp: 140161
Ion Ratio Lower Upper
107 100
108 113.2 90.9 136.3
77 47.9 37.3 55.9
79 46.5 37.2 55.8



#18
Hexachloroethane
Concen: 42.555 ng
RT: 7.387 min Scan# 883
Delta R.T. -0.006 min
Lab File: BF142916.D
Acq: 30 Jun 2025 15:35

Tgt Ion:117 Resp: 74549
Ion Ratio Lower Upper
117 100
119 94.9 75.4 113.0
201 99.5 75.9 113.9





#19

n-Nitroso-di-n-propylamine

Concen: 41.351 ng

RT: 7.287 min Scan# 866

Delta R.T. -0.006 min

Lab File: BF142916.D

Acq: 30 Jun 2025 15:35

Instrument :

BNA_F

ClientSampleId :

SSTDCCC040

Tgt Ion: 70 Resp: 116754

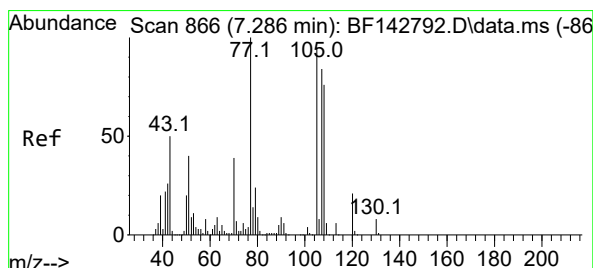
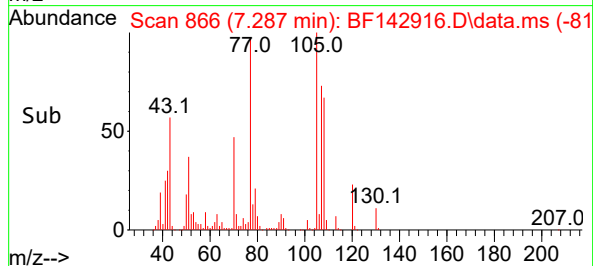
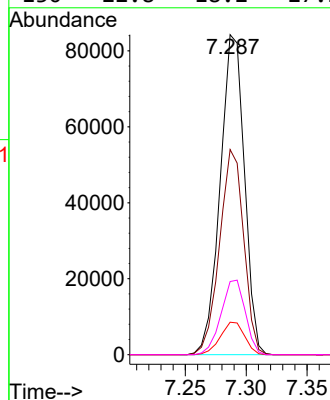
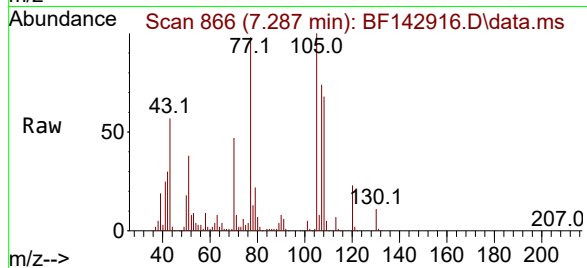
Ion Ratio Lower Upper

70 100

42 64.1 52.1 78.1

101 10.1 8.2 12.2

130 22.8 18.2 27.2



#20

3+4-Methylphenols

Concen: 42.100 ng

RT: 7.287 min Scan# 866

Delta R.T. 0.000 min

Lab File: BF142916.D

Acq: 30 Jun 2025 15:35

Tgt Ion:107 Resp: 176563

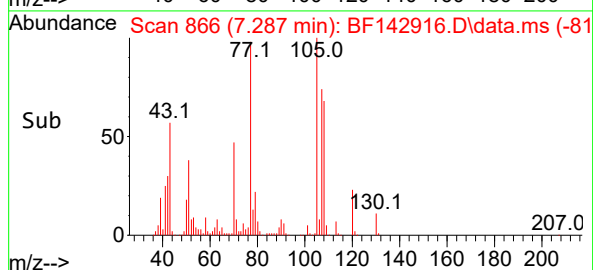
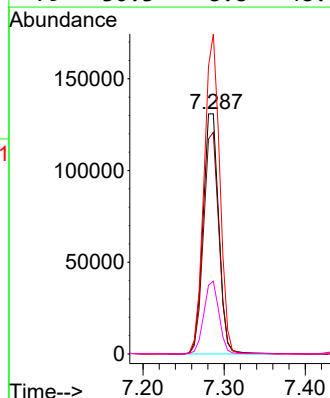
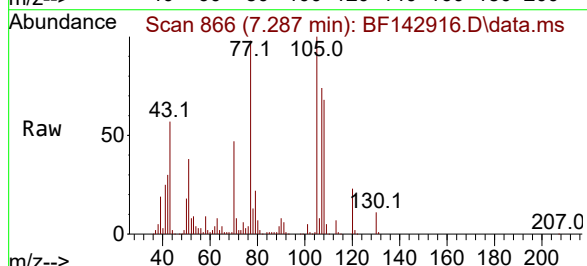
Ion Ratio Lower Upper

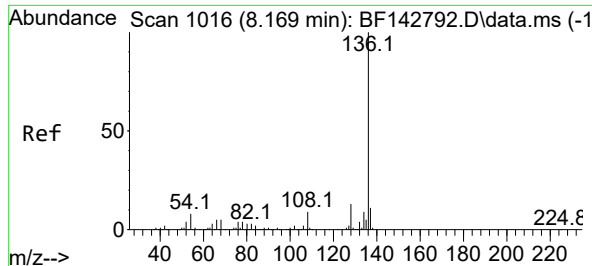
107 100

108 92.3 70.0 110.0

77 133.3 98.5 138.5

79 30.3 8.8 48.8





#21

Naphthalene-d8

Concen: 20.000 ng

RT: 8.163 min Scan# 1

Delta R.T. -0.006 min

Lab File: BF142916.D

Acq: 30 Jun 2025 15:35

Instrument :

BNA_F

ClientSampleId :

SSTDCCC040

Tgt Ion:136 Resp: 263015

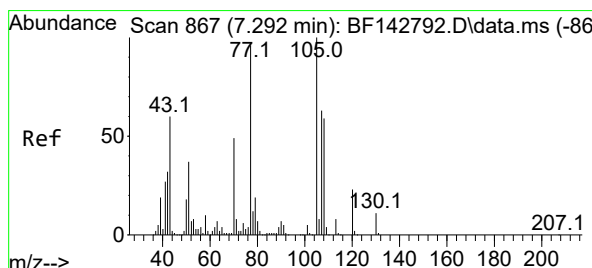
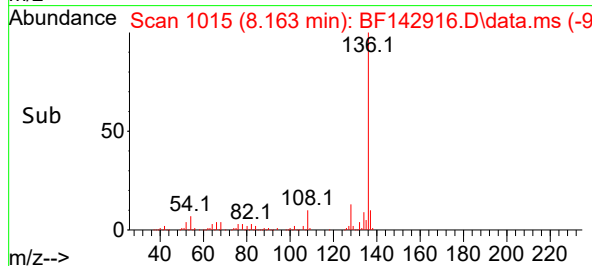
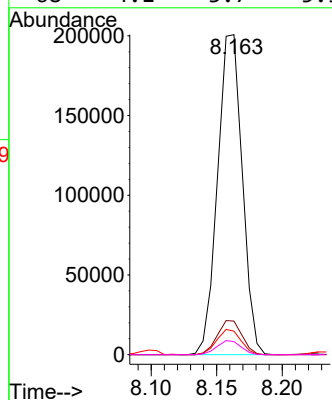
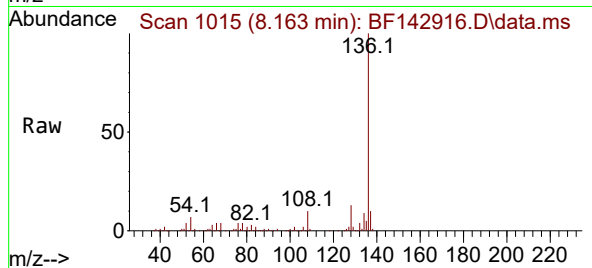
Ion Ratio Lower Upper

136 100

137 10.5 8.4 12.6

54 7.4 6.3 9.5

68 4.1 3.7 5.5



#22

Acetophenone

Concen: 40.834 ng

RT: 7.287 min Scan# 866

Delta R.T. -0.006 min

Lab File: BF142916.D

Acq: 30 Jun 2025 15:35

Tgt Ion:105 Resp: 236837

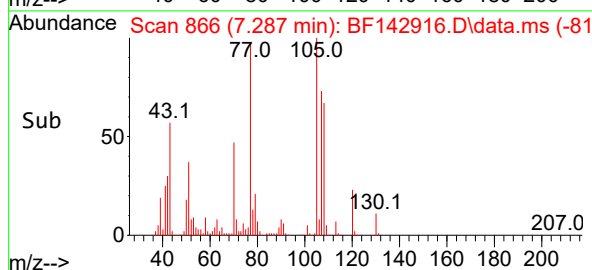
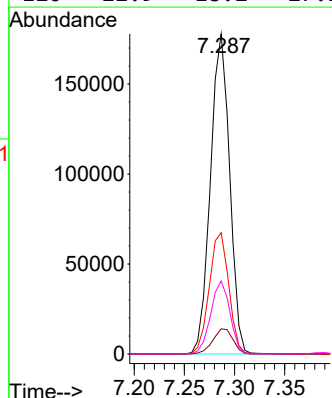
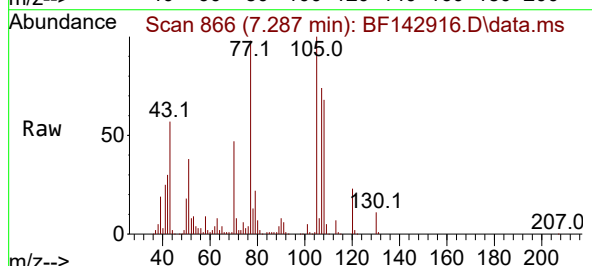
Ion Ratio Lower Upper

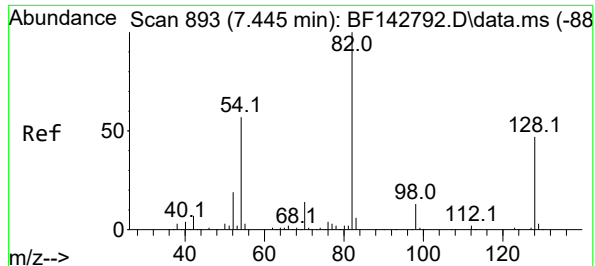
105 100

71 7.8 6.5 9.7

51 37.9 29.8 44.8

120 22.9 18.2 27.2





#23

Nitrobenzene-d5

Concen: 95.742 ng

RT: 7.446 min Scan# 893

Delta R.T. 0.000 min

Lab File: BF142916.D

Acq: 30 Jun 2025 15:35

Instrument :

BNA_F

ClientSampleId :

SSTDCCC040

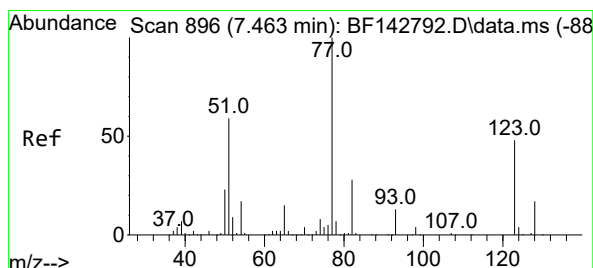
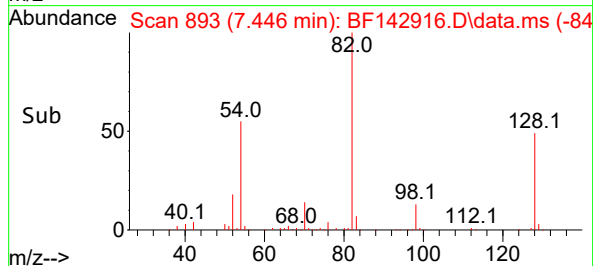
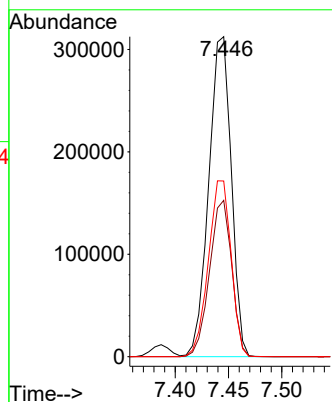
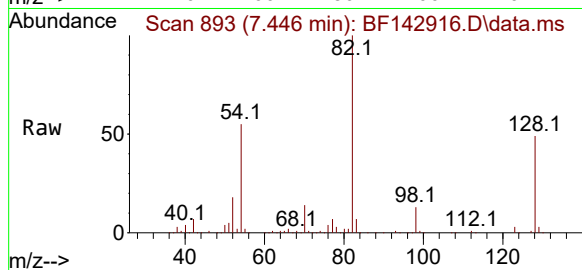
Tgt Ion: 82 Resp: 459090

Ion Ratio Lower Upper

82 100

128 48.8 37.7 56.5

54 54.9 45.7 68.5



#24

Nitrobenzene

Concen: 40.715 ng

RT: 7.463 min Scan# 896

Delta R.T. 0.000 min

Lab File: BF142916.D

Acq: 30 Jun 2025 15:35

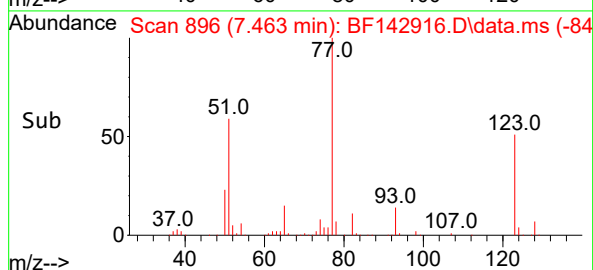
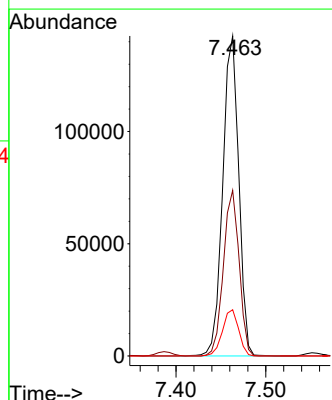
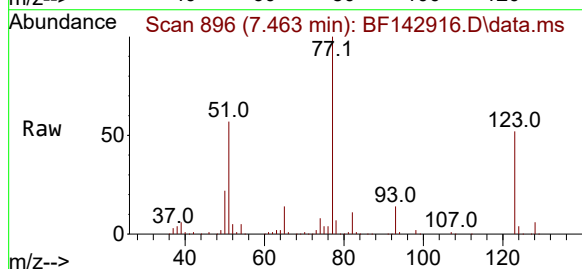
Tgt Ion: 77 Resp: 176704

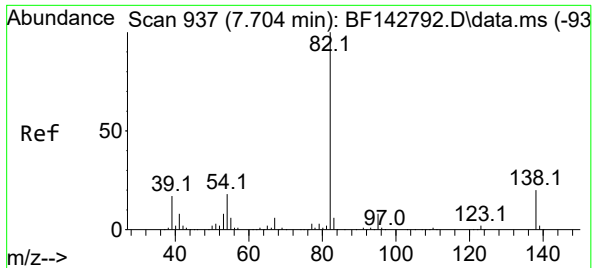
Ion Ratio Lower Upper

77 100

123 51.7 39.2 58.8

65 14.5 11.6 17.4

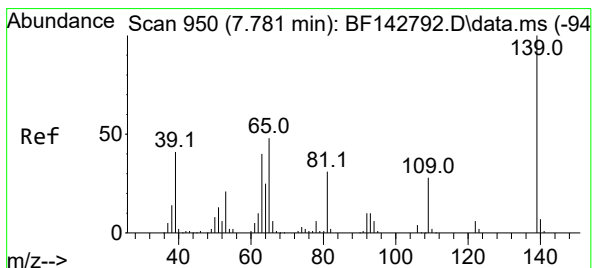
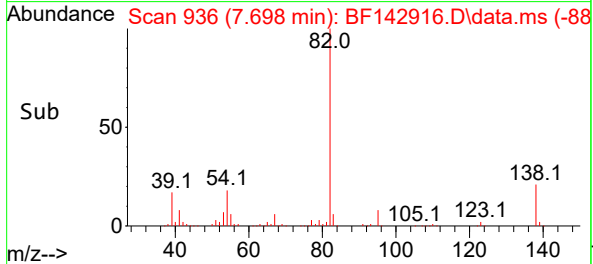
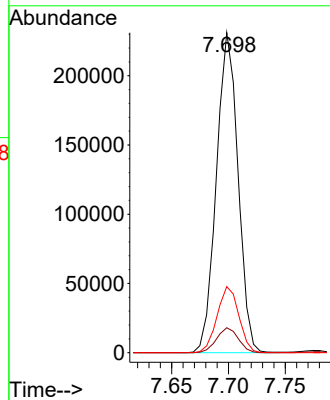
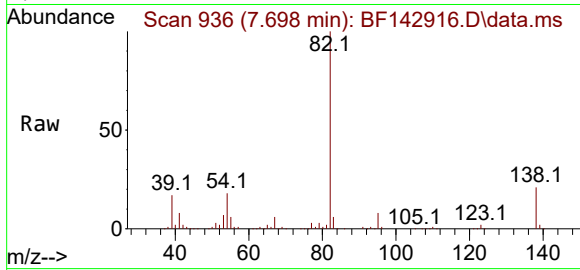




#25
Isophorone
Concen: 39.816 ng
RT: 7.698 min Scan# 91
Delta R.T. -0.006 min
Lab File: BF142916.D
Acq: 30 Jun 2025 15:35

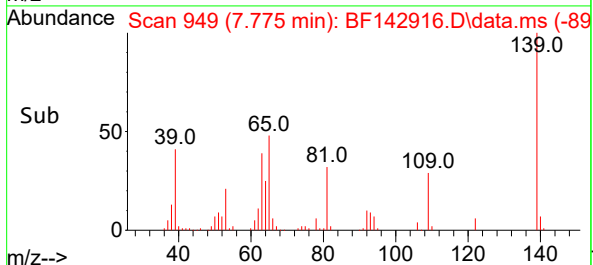
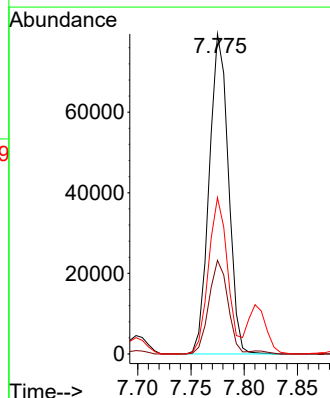
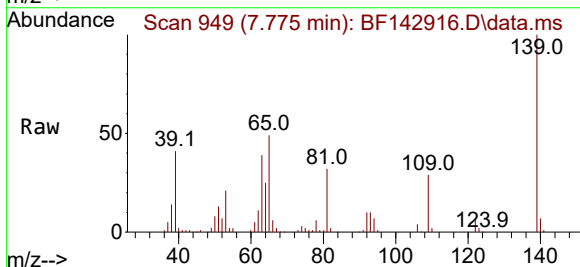
Instrument :
BNA_F
ClientSampleId :
SSTDCCC040

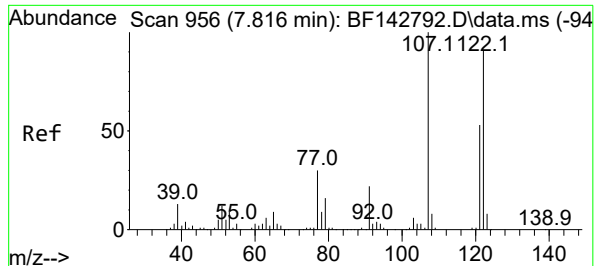
Tgt Ion: 82 Resp: 306270
Ion Ratio Lower Upper
82 100
95 7.8 6.2 9.2
138 20.7 16.2 24.4



#26
2-Nitrophenol
Concen: 41.980 ng
RT: 7.775 min Scan# 949
Delta R.T. -0.006 min
Lab File: BF142916.D
Acq: 30 Jun 2025 15:35

Tgt Ion:139 Resp: 99248
Ion Ratio Lower Upper
139 100
109 29.3 22.7 34.1
65 48.9 38.6 58.0





#27

2,4-Dimethylphenol

Concen: 40.653 ng

RT: 7.810 min Scan# 91

Delta R.T. -0.006 min

Lab File: BF142916.D

Acq: 30 Jun 2025 15:35

Instrument :

BNA_F

ClientSampleId :

SSTDCCC040

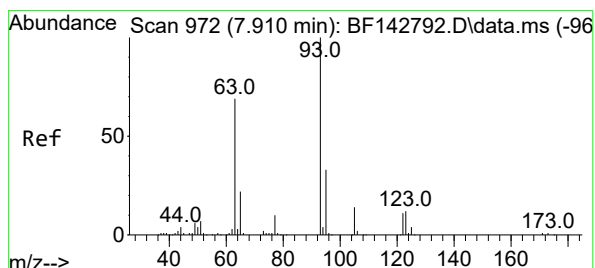
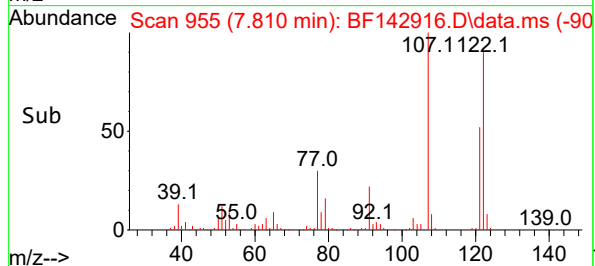
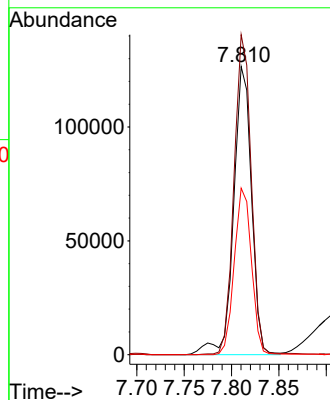
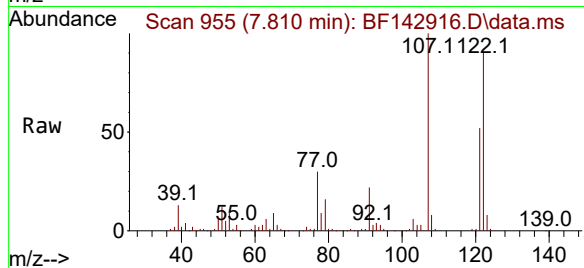
Tgt Ion:122 Resp: 166480

Ion Ratio Lower Upper

122 100

107 111.0 88.0 132.0

121 57.8 46.3 69.5



#28

bis(2-Chloroethoxy)methane

Concen: 40.233 ng

RT: 7.904 min Scan# 971

Delta R.T. -0.006 min

Lab File: BF142916.D

Acq: 30 Jun 2025 15:35

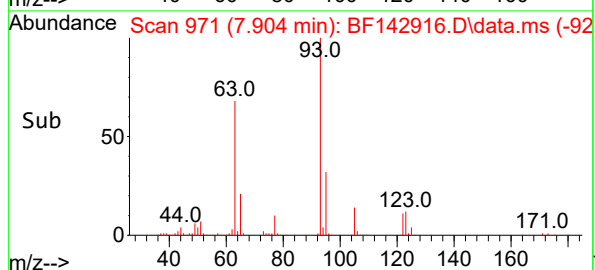
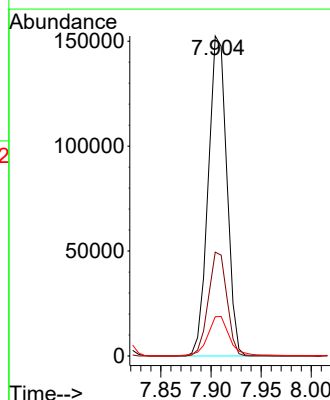
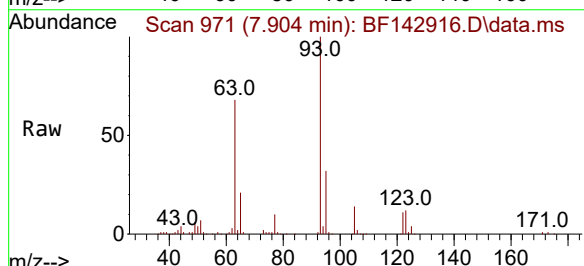
Tgt Ion: 93 Resp: 196749

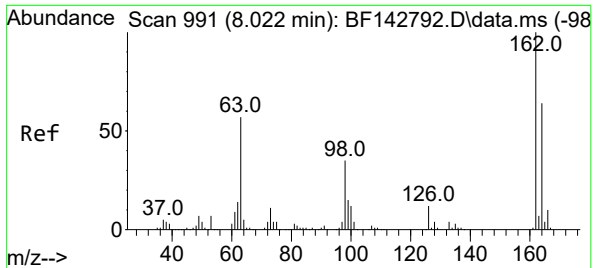
Ion Ratio Lower Upper

93 100

95 32.5 26.2 39.2

123 12.2 9.9 14.9





#29

2,4-Dichlorophenol

Concen: 41.355 ng

RT: 8.016 min Scan# 991

Delta R.T. -0.006 min

Lab File: BF142916.D

Acq: 30 Jun 2025 15:35

Instrument :

BNA_F

ClientSampleId :

SSTDCCC040

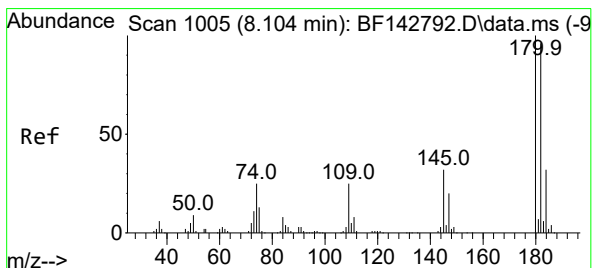
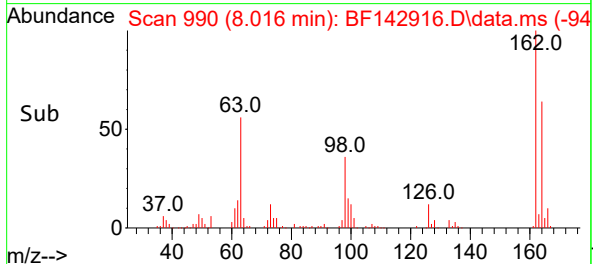
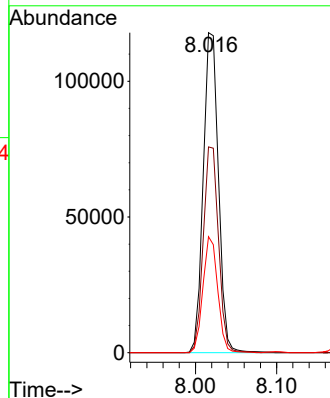
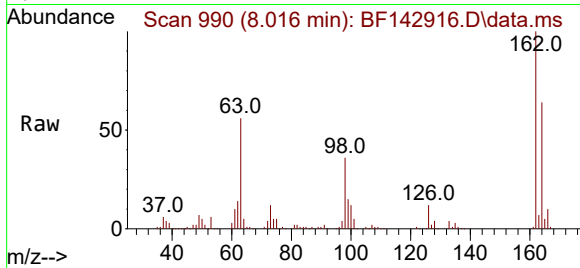
Tgt Ion:162 Resp: 153557

Ion Ratio Lower Upper

162 100

164 64.3 44.0 84.0

98 36.2 15.4 55.4



#30

1,2,4-Trichlorobenzene

Concen: 41.294 ng

RT: 8.098 min Scan# 1004

Delta R.T. -0.006 min

Lab File: BF142916.D

Acq: 30 Jun 2025 15:35

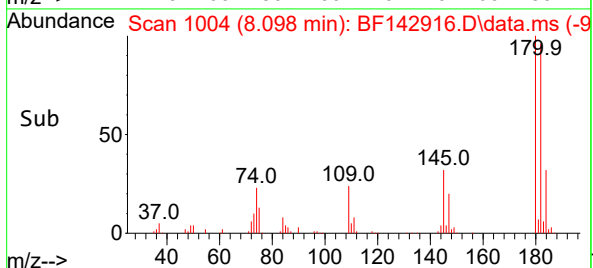
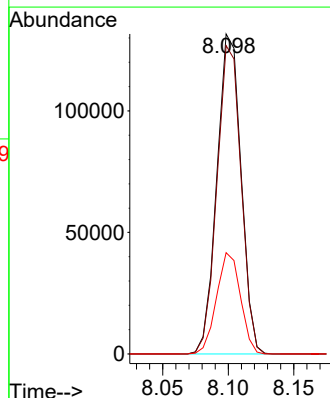
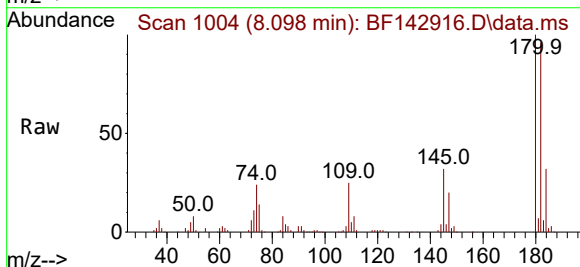
Tgt Ion:180 Resp: 168605

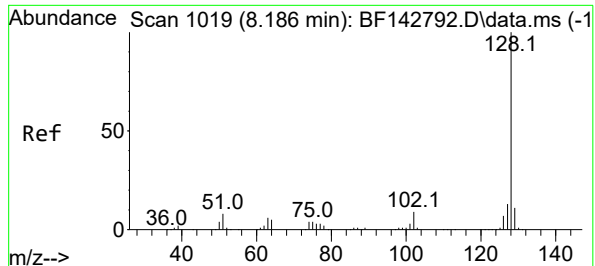
Ion Ratio Lower Upper

180 100

182 96.3 76.4 114.6

145 31.6 25.8 38.8





#31

Naphthalene

Concen: 40.552 ng

RT: 8.181 min Scan# 1019

Delta R.T. -0.006 min

Lab File: BF142916.D

Acq: 30 Jun 2025 15:35

Instrument :

BNA_F

ClientSampleId :

SSTDCCC040

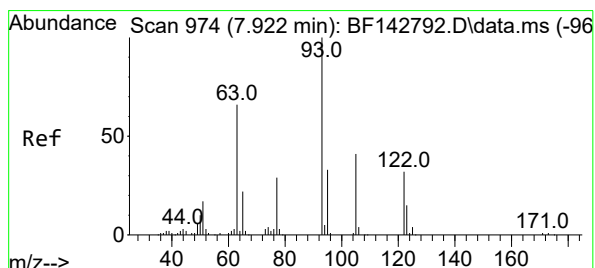
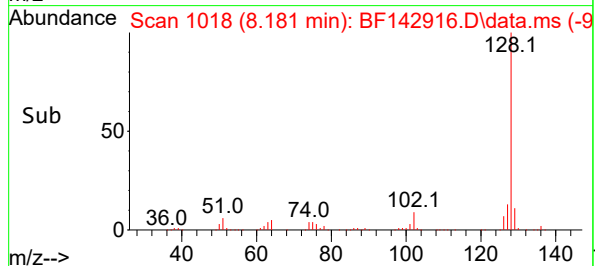
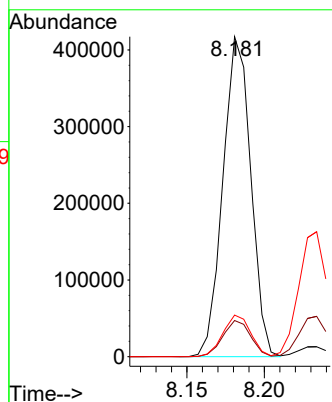
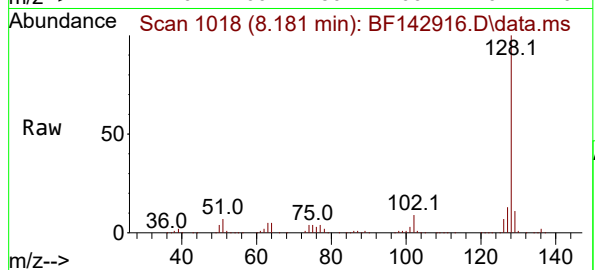
Tgt Ion:128 Resp: 522070

Ion Ratio Lower Upper

128 100

129 11.3 8.9 13.3

127 13.0 10.4 15.6



#32

Benzoic acid

Concen: 39.368 ng

RT: 7.922 min Scan# 974

Delta R.T. 0.000 min

Lab File: BF142916.D

Acq: 30 Jun 2025 15:35

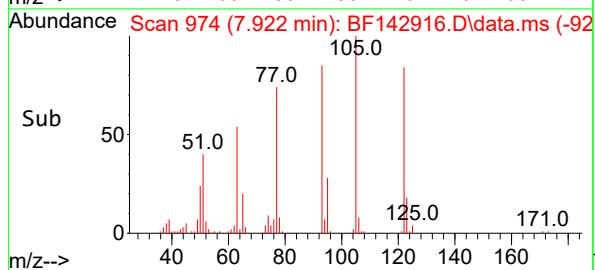
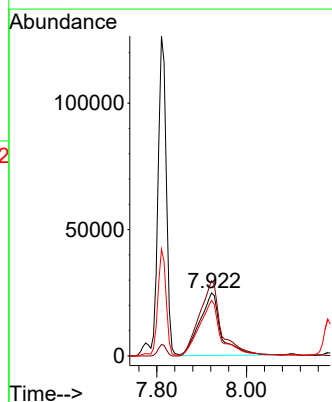
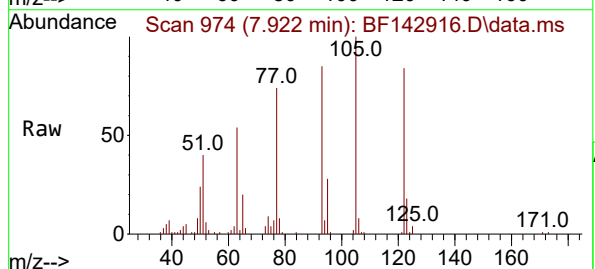
Tgt Ion:122 Resp: 82172

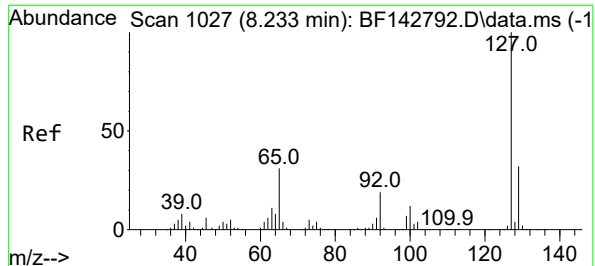
Ion Ratio Lower Upper

122 100

105 119.3 104.7 144.7

77 88.0 70.2 110.2





#33

4-Chloroaniline

Concen: 40.137 ng

RT: 8.234 min Scan# 1027

Delta R.T. 0.000 min

Lab File: BF142916.D

Acq: 30 Jun 2025 15:35

Instrument :

BNA_F

ClientSampleId :

SSTDCCC040

Tgt Ion:127 Resp: 210114

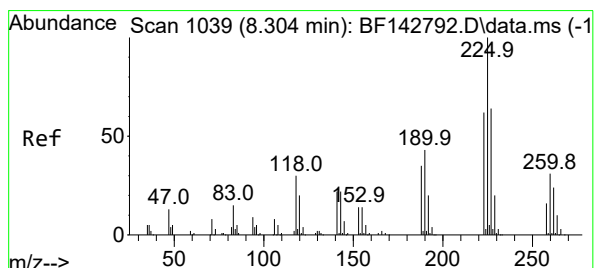
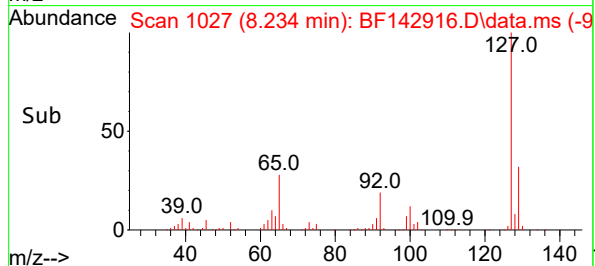
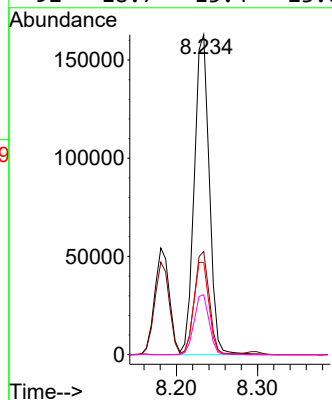
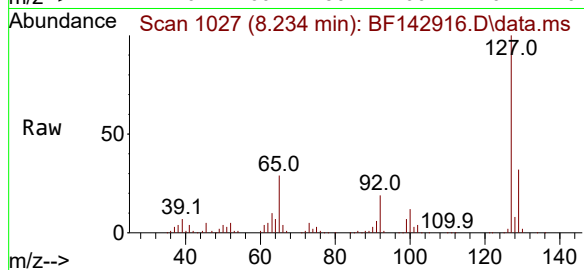
Ion Ratio Lower Upper

127 100

129 32.3 25.9 38.9

65 28.8 24.6 36.8

92 18.7 15.4 23.0



#34

Hexachlorobutadiene

Concen: 41.637 ng

RT: 8.298 min Scan# 1038

Delta R.T. -0.006 min

Lab File: BF142916.D

Acq: 30 Jun 2025 15:35

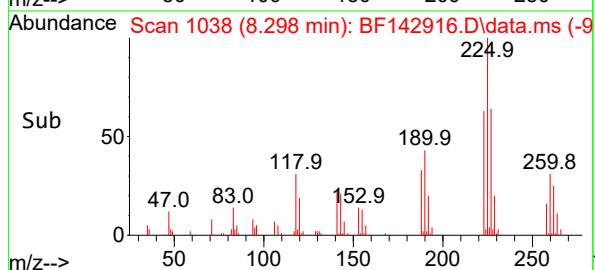
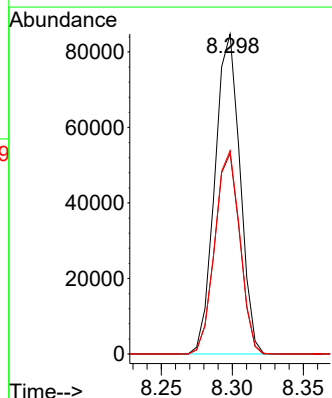
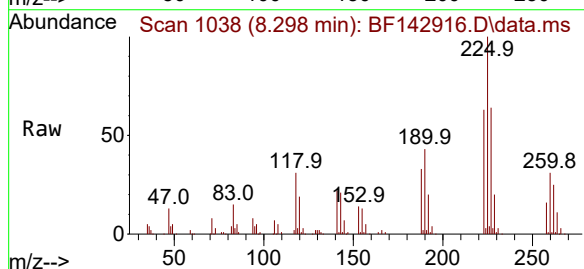
Tgt Ion:225 Resp: 103989

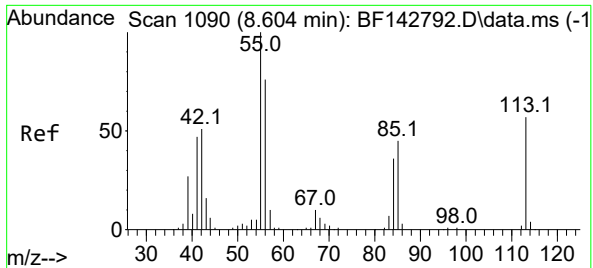
Ion Ratio Lower Upper

225 100

223 62.6 49.9 74.9

227 63.6 51.4 77.0





#35

Caprolactam

Concen: 40.452 ng

RT: 8.604 min Scan# 1108

Delta R.T. 0.000 min

Lab File: BF142916.D

Acq: 30 Jun 2025 15:35

Instrument :

BNA_F

ClientSampleId :

SSTDCCC040

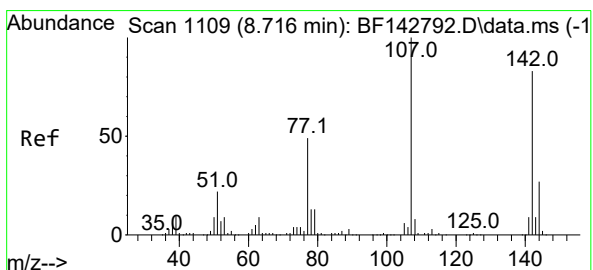
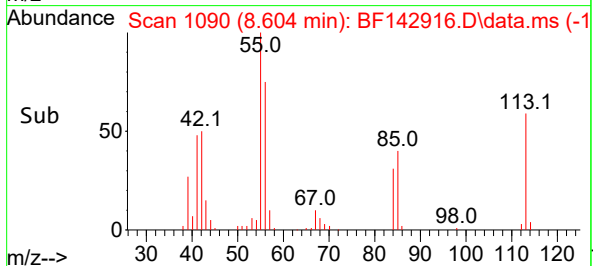
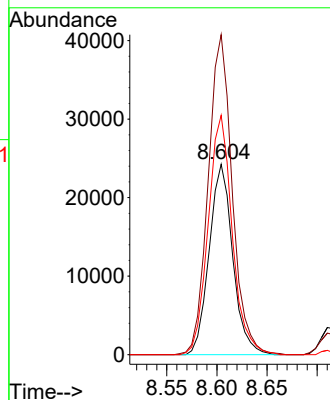
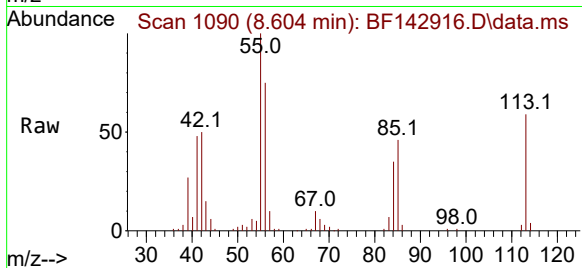
Tgt Ion:113 Resp: 39636

Ion Ratio Lower Upper

113 100

55 168.1 154.4 194.4

56 125.8 112.1 152.1



#36

4-Chloro-3-methylphenol

Concen: 39.989 ng

RT: 8.710 min Scan# 1108

Delta R.T. -0.006 min

Lab File: BF142916.D

Acq: 30 Jun 2025 15:35

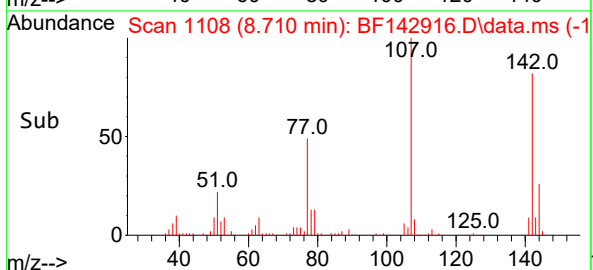
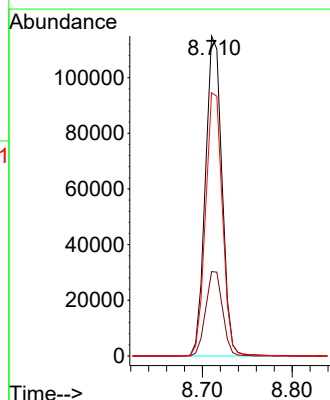
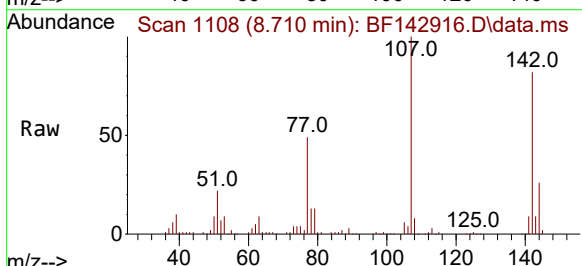
Tgt Ion:107 Resp: 147571

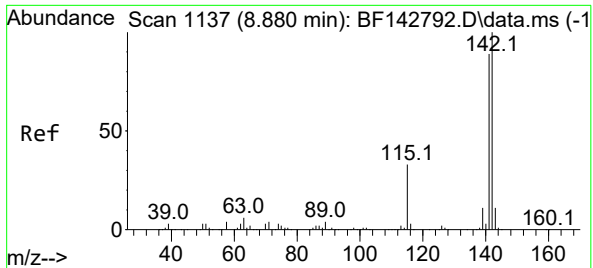
Ion Ratio Lower Upper

107 100

144 26.3 21.3 31.9

142 82.3 66.6 100.0

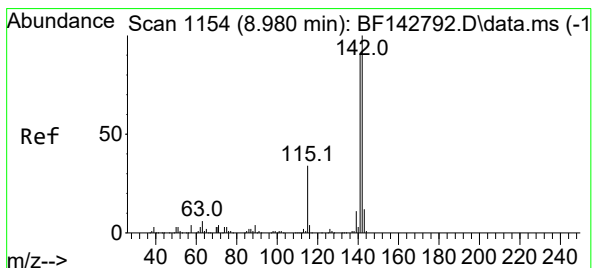
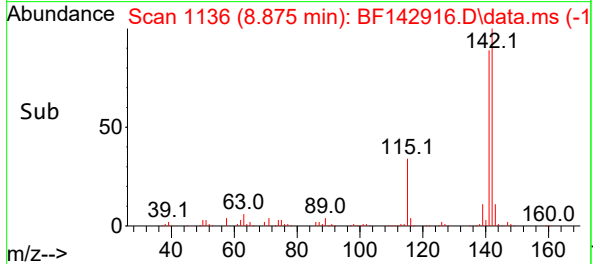
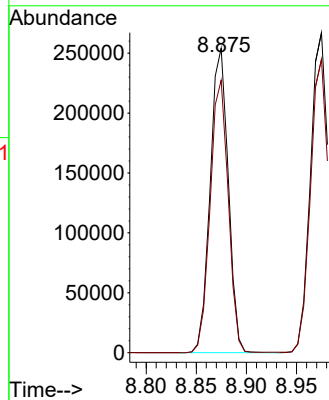
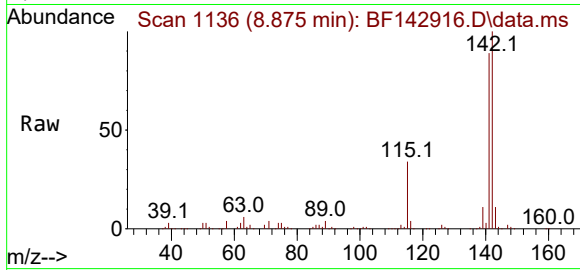




#37
2-Methylnaphthalene
Concen: 39.996 ng
RT: 8.875 min Scan# 1136
Delta R.T. -0.006 min
Lab File: BF142916.D
Acq: 30 Jun 2025 15:35

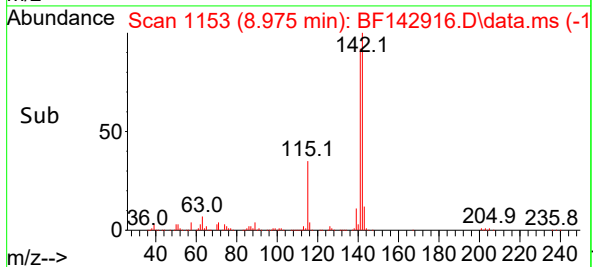
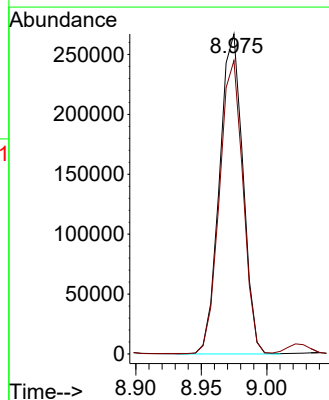
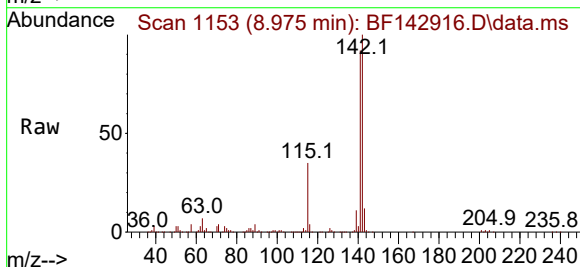
Instrument :
BNA_F
ClientSampleId :
SSTDCCC040

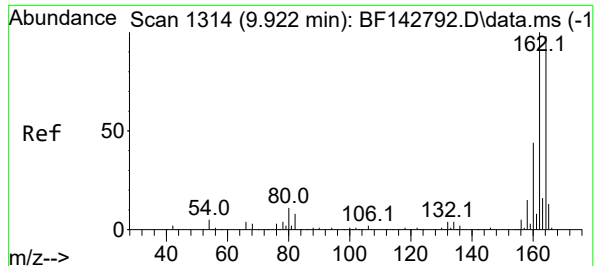
Tgt Ion:142 Resp: 319226
Ion Ratio Lower Upper
142 100
141 89.5 70.9 106.3



#38
1-Methylnaphthalene
Concen: 40.157 ng
RT: 8.975 min Scan# 1153
Delta R.T. -0.006 min
Lab File: BF142916.D
Acq: 30 Jun 2025 15:35

Tgt Ion:142 Resp: 331787
Ion Ratio Lower Upper
142 100
141 91.7 73.0 109.4





#39

Acenaphthene-d10

Concen: 20.000 ng

RT: 9.916 min Scan# 1164

Delta R.T. -0.006 min

Lab File: BF142916.D

Acq: 30 Jun 2025 15:35

Instrument :

BNA_F

ClientSampleId :

SSTDCCC040

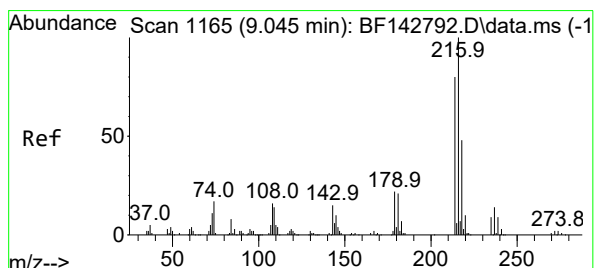
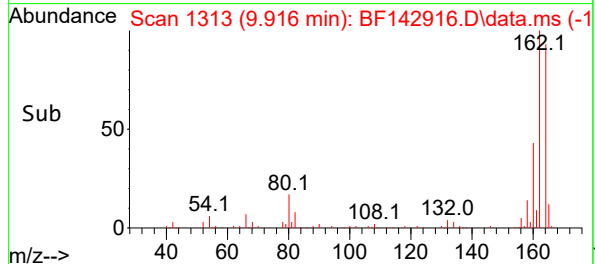
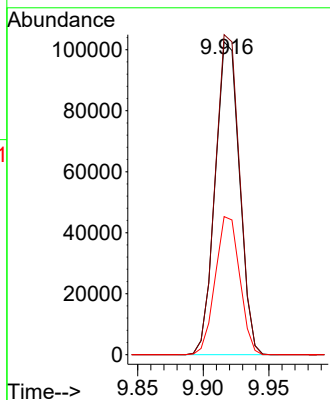
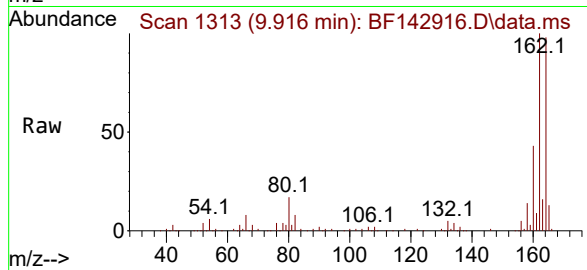
Tgt Ion:164 Resp: 132502

Ion Ratio Lower Upper

164 100

162 102.3 81.8 122.8

160 44.1 36.0 54.0



#40

1,2,4,5-Tetrachlorobenzene

Concen: 41.895 ng

RT: 9.040 min Scan# 1164

Delta R.T. -0.006 min

Lab File: BF142916.D

Acq: 30 Jun 2025 15:35

Tgt Ion:216 Resp: 163796

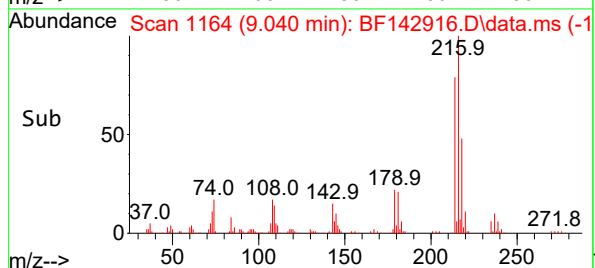
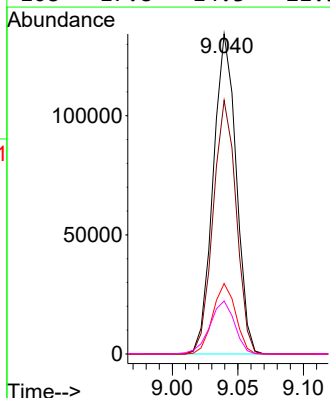
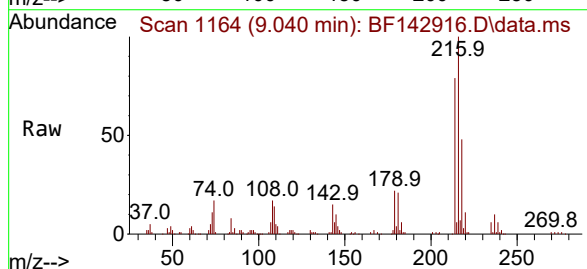
Ion Ratio Lower Upper

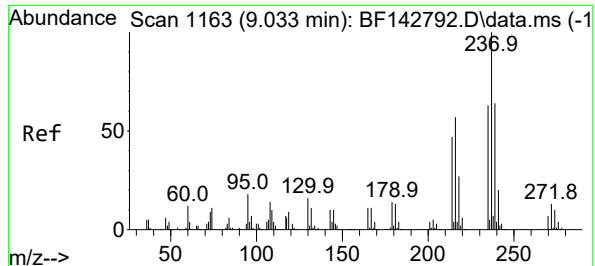
216 100

214 79.2 63.7 95.5

179 21.9 17.6 26.4

108 17.8 14.3 21.5





#41

Hexachlorocyclopentadiene

Concen: 38.814 ng

RT: 9.028 min Scan# 1162

Delta R.T. -0.006 min

Lab File: BF142916.D

Acq: 30 Jun 2025 15:35

Instrument :

BNA_F

ClientSampleId :

SSTDCCC040

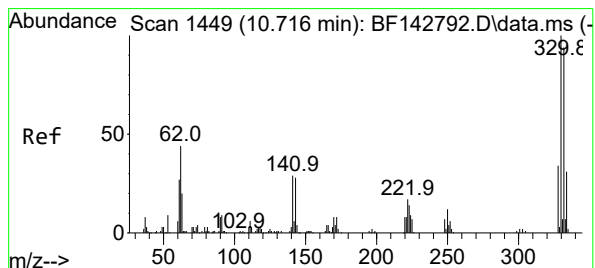
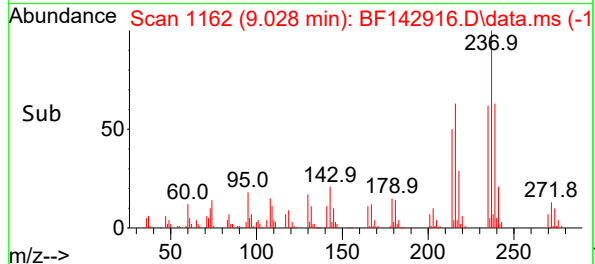
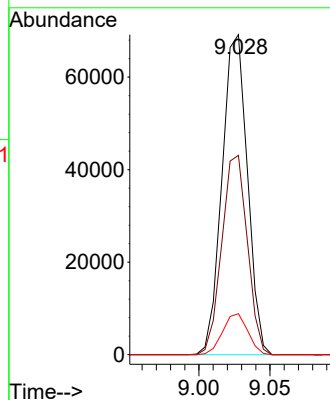
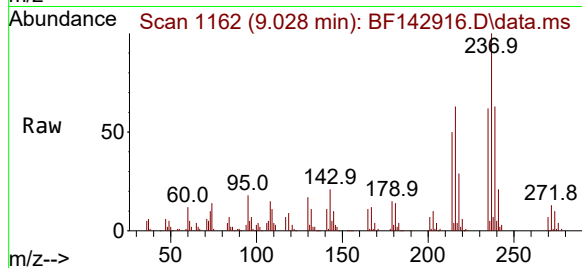
Tgt Ion:237 Resp: 86115

Ion Ratio Lower Upper

237 100

235 62.3 43.4 83.4

272 12.8 0.0 32.7



#42

2,4,6-Tribromophenol

Concen: 80.436 ng

RT: 10.710 min Scan# 1448

Delta R.T. -0.006 min

Lab File: BF142916.D

Acq: 30 Jun 2025 15:35

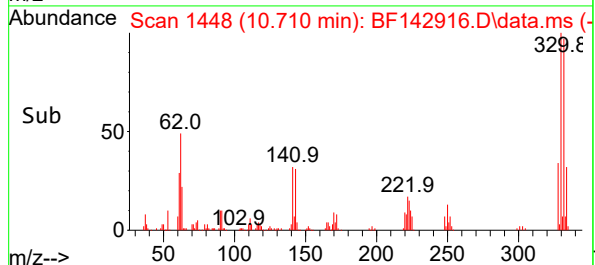
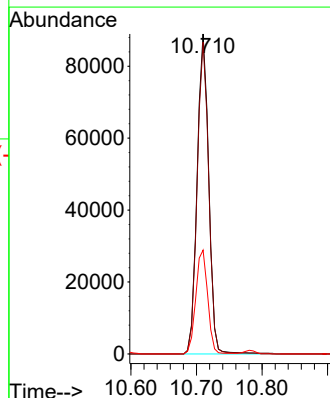
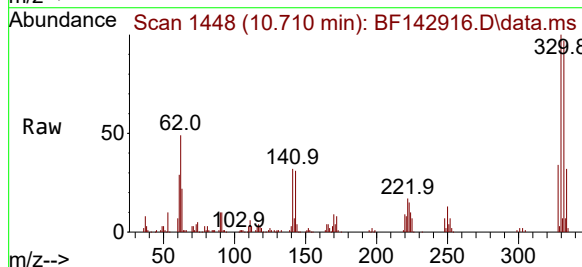
Tgt Ion:330 Resp: 109677

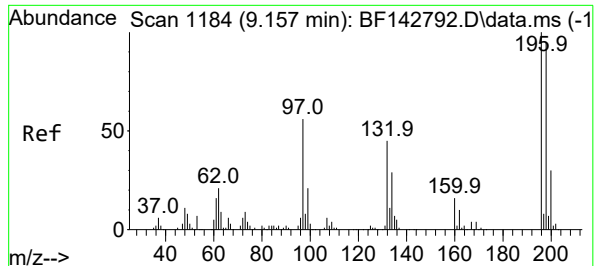
Ion Ratio Lower Upper

330 100

332 97.1 75.0 112.6

141 33.2 25.3 37.9





#43

2,4,6-Trichlorophenol

Concen: 40.786 ng

RT: 9.151 min Scan# 1184

Delta R.T. -0.006 min

Lab File: BF142916.D

Acq: 30 Jun 2025 15:35

Instrument :

BNA_F

ClientSampleId :

SSTDCCC040

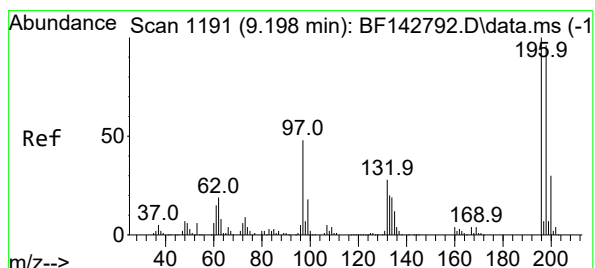
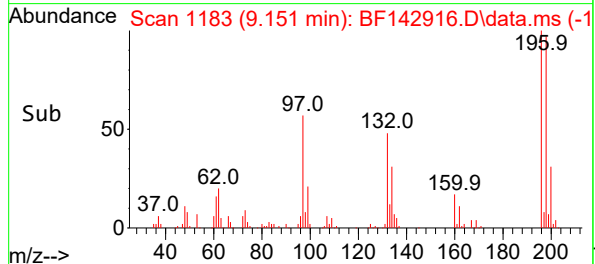
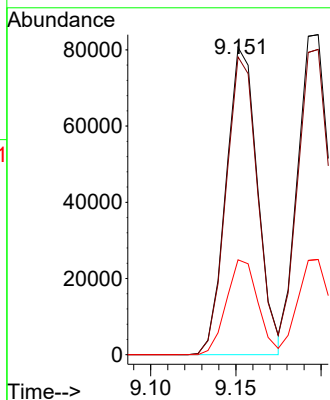
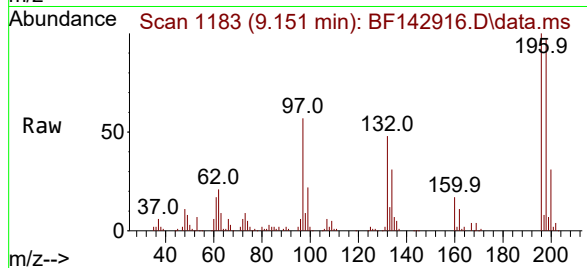
Tgt Ion:196 Resp: 103910

Ion Ratio Lower Upper

196 100

198 96.9 76.2 114.2

200 30.9 24.1 36.1



#44

2,4,5-Trichlorophenol

Concen: 41.618 ng

RT: 9.198 min Scan# 1191

Delta R.T. 0.000 min

Lab File: BF142916.D

Acq: 30 Jun 2025 15:35

Tgt Ion:196 Resp: 111614

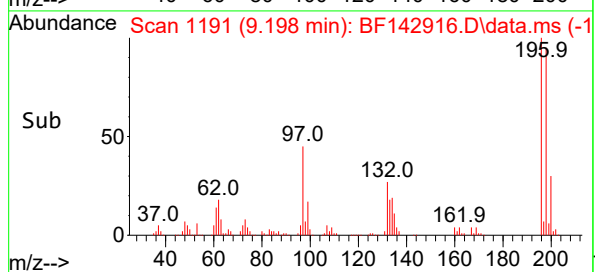
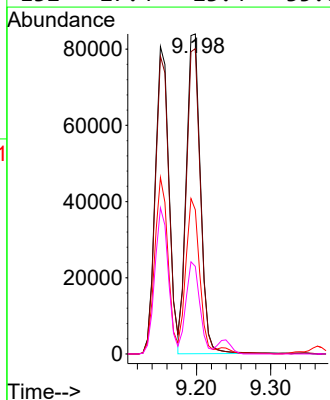
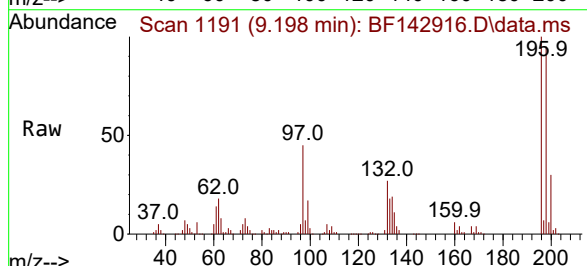
Ion Ratio Lower Upper

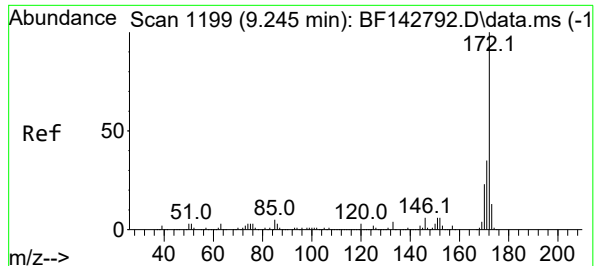
196 100

198 95.4 76.6 115.0

97 45.1 38.2 57.2

132 27.4 23.4 35.0





#45

2-Fluorobiphenyl

Concen: 94.336 ng

RT: 9.239 min Scan# 1199

Delta R.T. -0.005 min

Lab File: BF142916.D

Acq: 30 Jun 2025 15:35

Instrument :

BNA_F

ClientSampleId :

SSTDCCC040

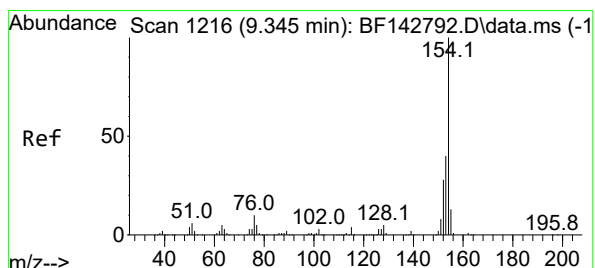
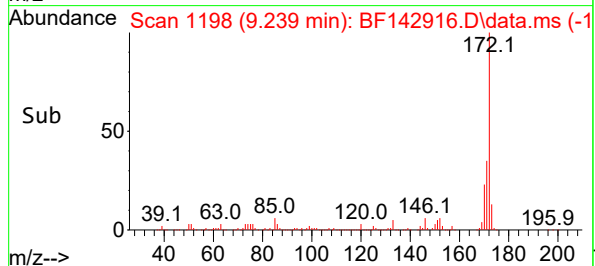
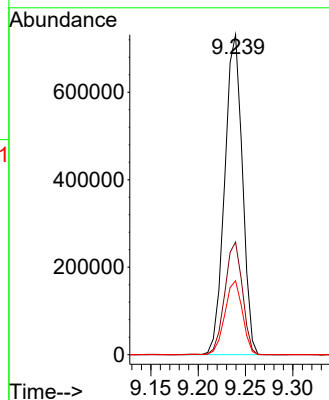
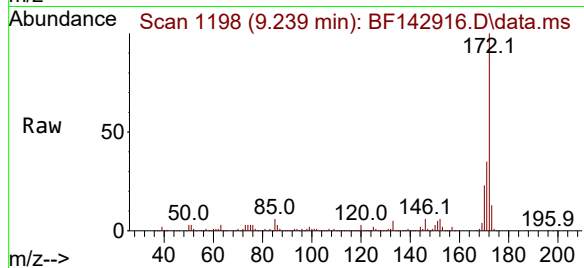
Tgt Ion:172 Resp: 951512

Ion Ratio Lower Upper

172 100

171 35.2 28.2 42.4

170 23.1 18.5 27.7



#46

1,1'-Biphenyl

Concen: 41.166 ng

RT: 9.339 min Scan# 1215

Delta R.T. -0.006 min

Lab File: BF142916.D

Acq: 30 Jun 2025 15:35

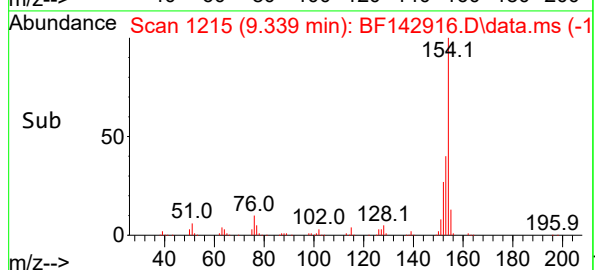
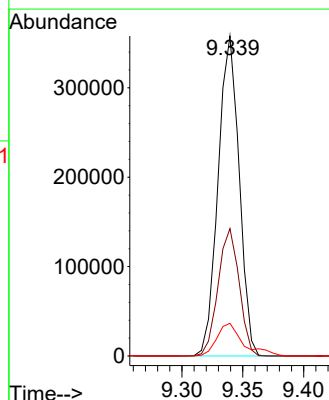
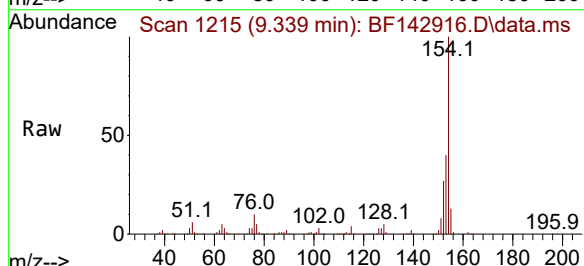
Tgt Ion:154 Resp: 430882

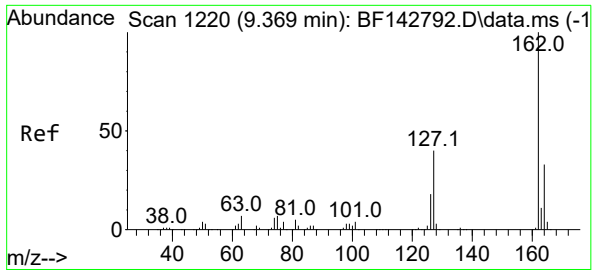
Ion Ratio Lower Upper

154 100

153 39.8 20.3 60.3

76 10.2 0.0 30.3





#47

2-Chloronaphthalene

Concen: 41.183 ng

RT: 9.363 min Scan# 1219

Delta R.T. -0.006 min

Lab File: BF142916.D

Acq: 30 Jun 2025 15:35

Instrument :

BNA_F

ClientSampleId :

SSTDCCC040

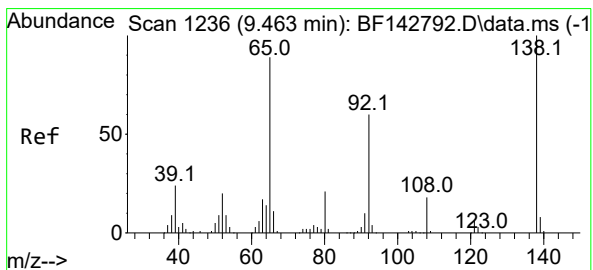
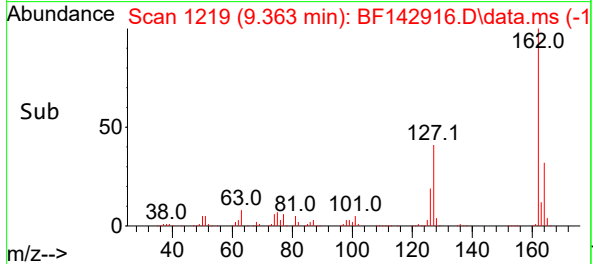
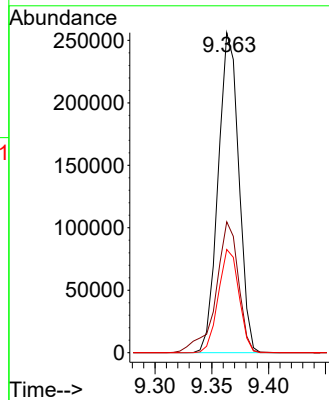
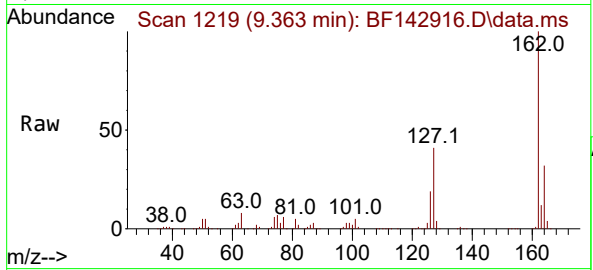
Tgt Ion:162 Resp: 323479

Ion Ratio Lower Upper

162 100

127 40.9 32.2 48.2

164 32.3 26.1 39.1



#48

2-Nitroaniline

Concen: 41.244 ng

RT: 9.463 min Scan# 1236

Delta R.T. 0.000 min

Lab File: BF142916.D

Acq: 30 Jun 2025 15:35

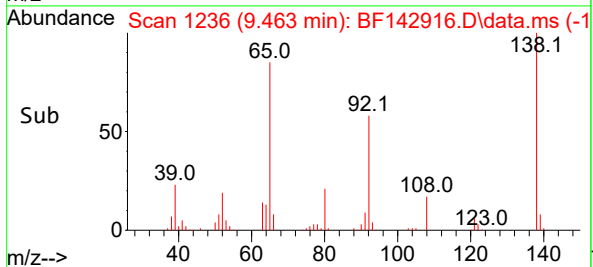
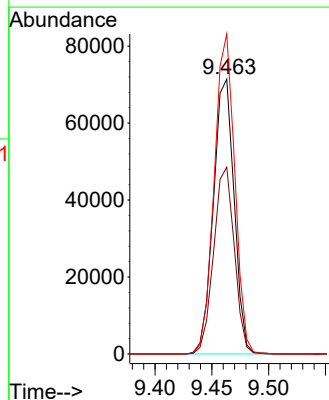
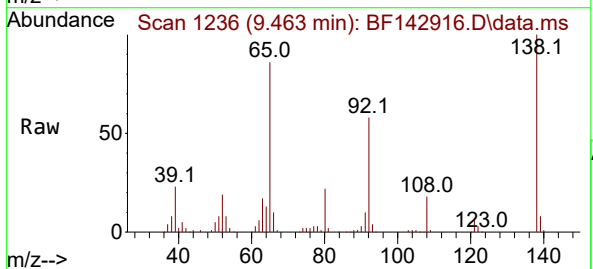
Tgt Ion: 65 Resp: 90823

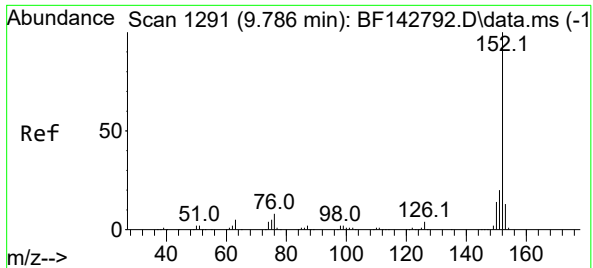
Ion Ratio Lower Upper

65 100

92 68.0 53.8 80.6

138 116.4 89.6 134.4





#49

Acenaphthylene

Concen: 41.068 ng

RT: 9.781 min Scan# 11

Delta R.T. -0.006 min

Lab File: BF142916.D

Acq: 30 Jun 2025 15:35

Instrument :

BNA_F

ClientSampleId :

SSTDCCC040

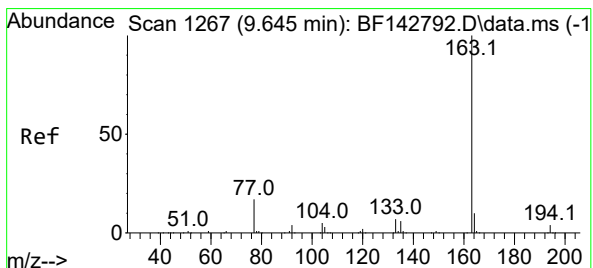
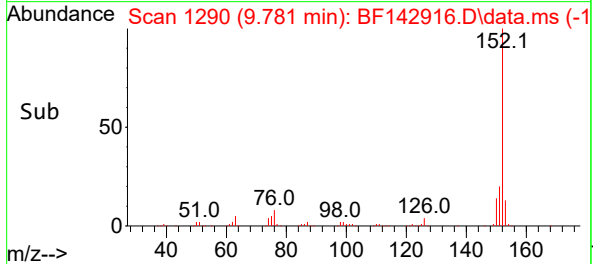
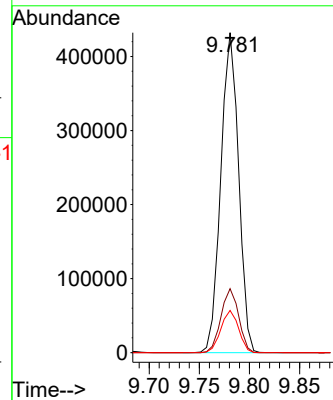
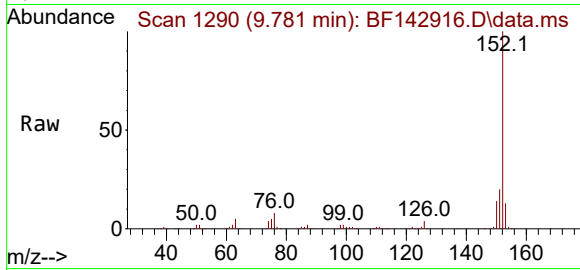
Tgt Ion:152 Resp: 531028

Ion Ratio Lower Upper

152 100

151 20.0 16.1 24.1

153 13.2 10.4 15.6



#50

Dimethylphthalate

Concen: 41.484 ng

RT: 9.639 min Scan# 1266

Delta R.T. -0.006 min

Lab File: BF142916.D

Acq: 30 Jun 2025 15:35

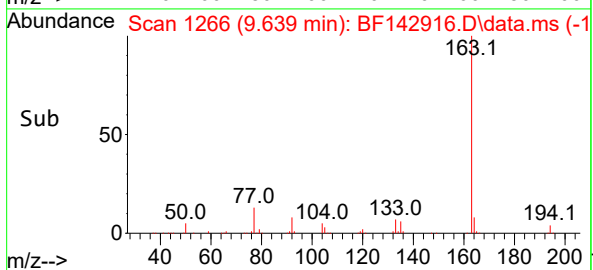
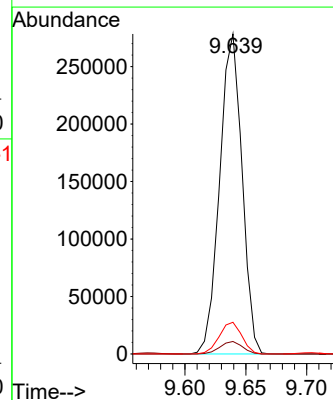
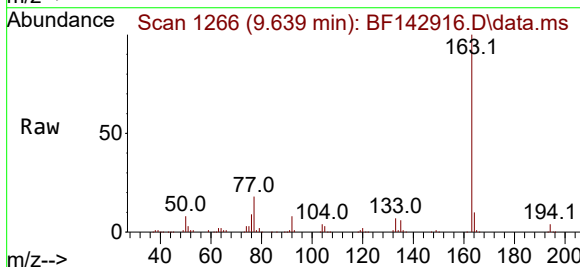
Tgt Ion:163 Resp: 355805

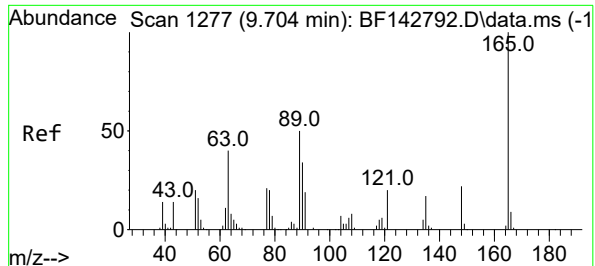
Ion Ratio Lower Upper

163 100

194 3.9 3.3 4.9

164 9.9 8.0 12.0

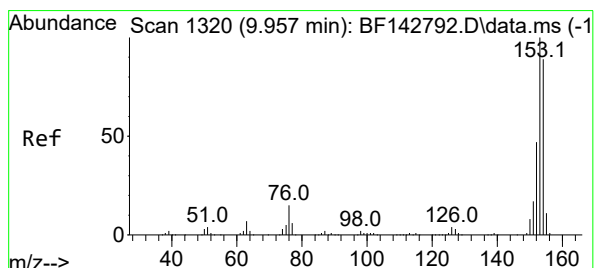
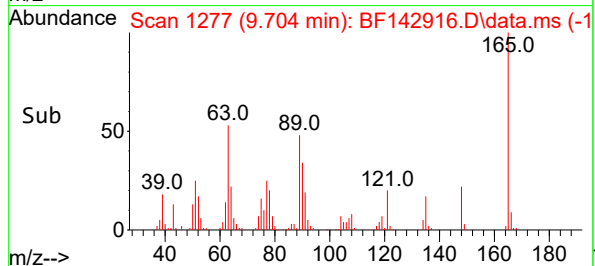
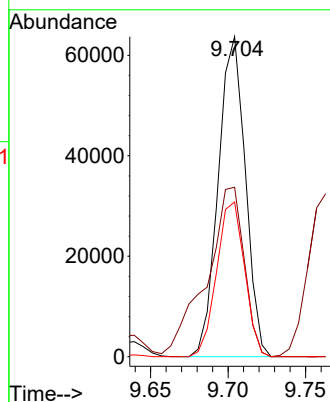
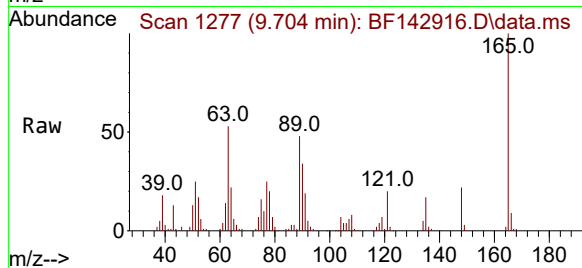




#51
2,6-Dinitrotoluene
Concen: 41.159 ng
RT: 9.704 min Scan# 11
Delta R.T. 0.000 min
Lab File: BF142916.D
Acq: 30 Jun 2025 15:35

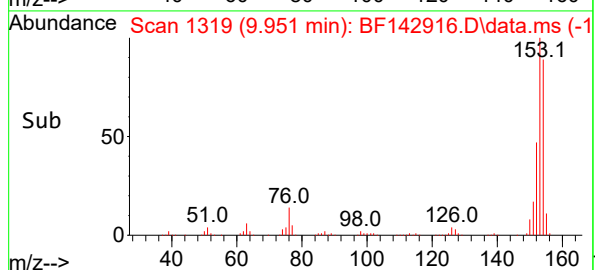
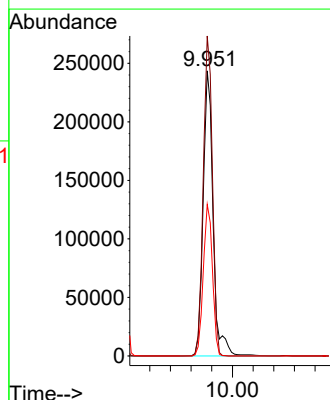
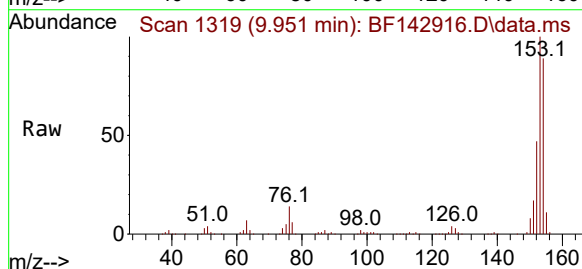
Instrument :
BNA_F
ClientSampleId :
SSTDCCC040

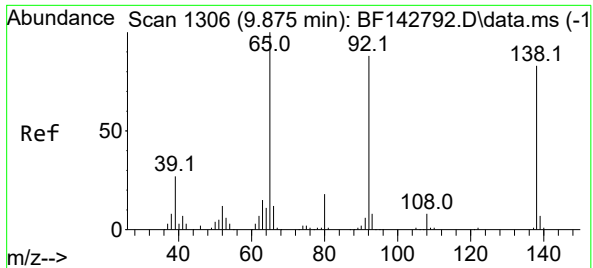
Tgt Ion:165 Resp: 77526
Ion Ratio Lower Upper
165 100
63 52.9 44.2 66.4
89 48.4 39.8 59.8



#52
Acenaphthene
Concen: 41.105 ng
RT: 9.951 min Scan# 1319
Delta R.T. -0.006 min
Lab File: BF142916.D
Acq: 30 Jun 2025 15:35

Tgt Ion:154 Resp: 324284
Ion Ratio Lower Upper
154 100
153 112.2 90.0 135.0
152 53.1 41.9 62.9

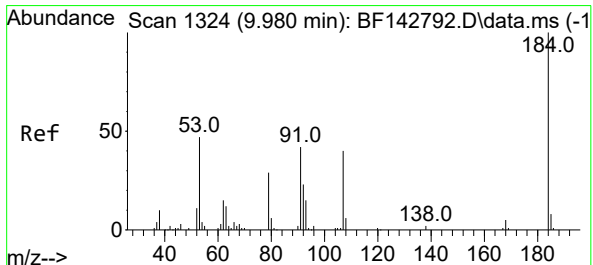
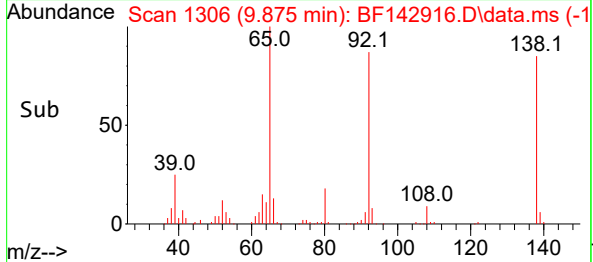
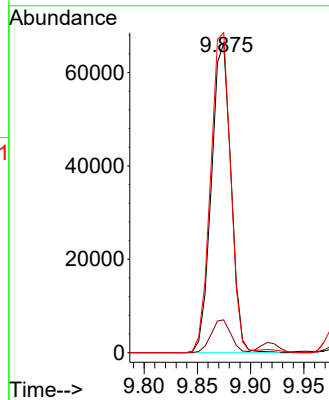
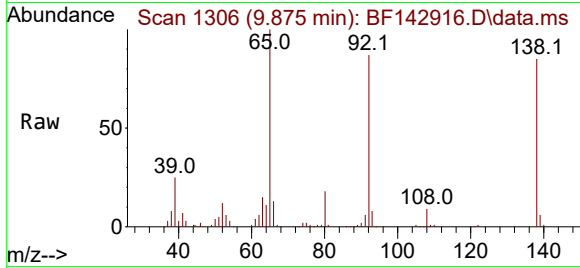




#53
3-Nitroaniline
Concen: 40.913 ng
RT: 9.875 min Scan# 1306
Delta R.T. 0.000 min
Lab File: BF142916.D
Acq: 30 Jun 2025 15:35

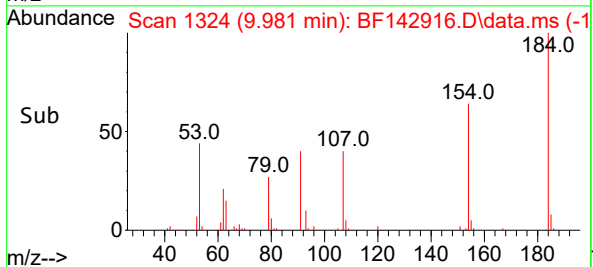
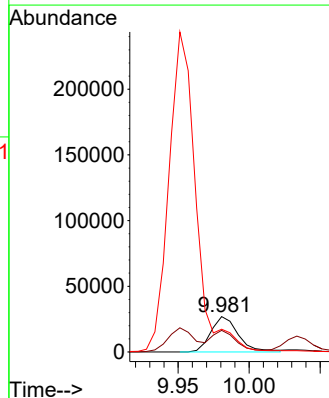
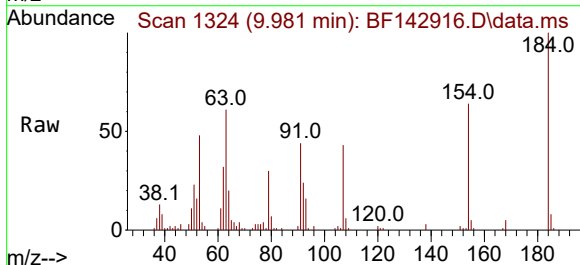
Instrument :
BNA_F
ClientSampleId :
SSTDCCC040

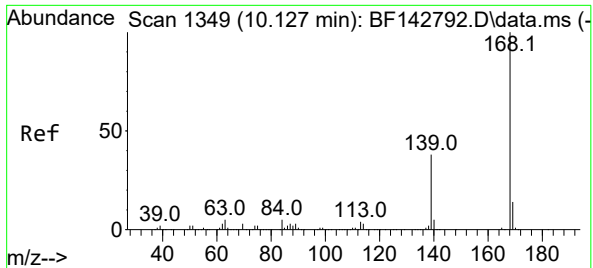
Tgt Ion	Ratio	Lower	Upper
138	100		
108	10.6	8.1	12.1
92	103.5	85.1	127.7



#54
2,4-Dinitrophenol
Concen: 38.487 ng
RT: 9.981 min Scan# 1324
Delta R.T. 0.000 min
Lab File: BF142916.D
Acq: 30 Jun 2025 15:35

Tgt Ion	Ratio	Lower	Upper
184	100		
63	61.2	50.6	75.8
154	64.1	51.8	77.8





#55

Dibenzofuran

Concen: 40.643 ng

RT: 10.122 min Scan# 1349

Delta R.T. -0.006 min

Lab File: BF142916.D

Acq: 30 Jun 2025 15:35

Instrument :

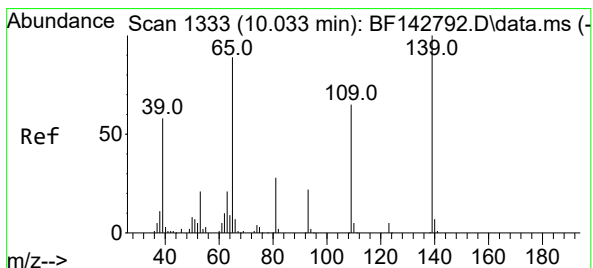
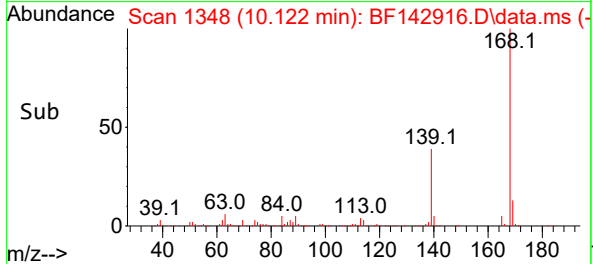
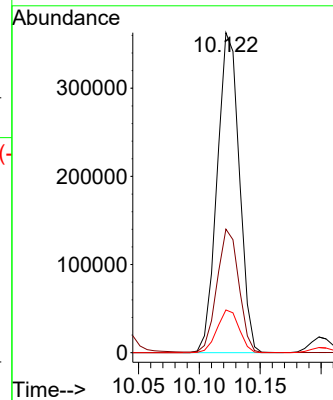
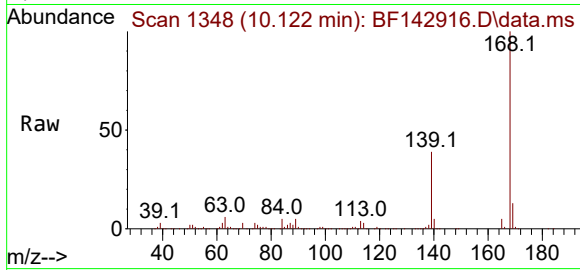
BNA_F

ClientSampleId :

SSTDCCC040

Tgt Ion:168 Resp: 459786

Ion	Ratio	Lower	Upper
168	100		
139	38.6	30.2	45.4
169	13.4	10.8	16.2



#56

4-Nitrophenol

Concen: 38.689 ng

RT: 10.034 min Scan# 1333

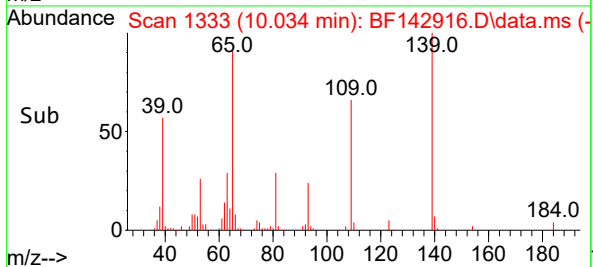
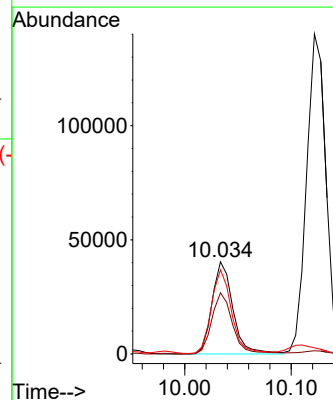
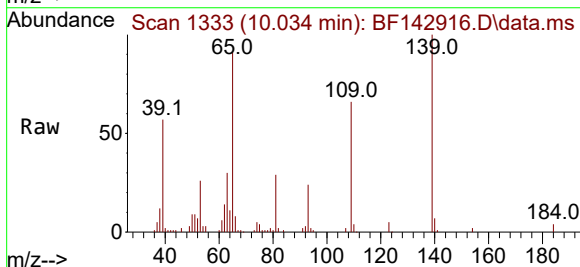
Delta R.T. 0.000 min

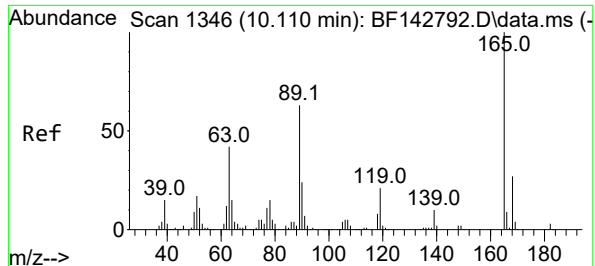
Lab File: BF142916.D

Acq: 30 Jun 2025 15:35

Tgt Ion:139 Resp: 54929

Ion	Ratio	Lower	Upper
139	100		
109	66.3	44.7	84.7
65	91.3	69.8	109.8





#57

2,4-Dinitrotoluene

Concen: 41.557 ng

RT: 10.110 min Scan# 1

Delta R.T. 0.000 min

Lab File: BF142916.D

Acq: 30 Jun 2025 15:35

Instrument :

BNA_F

ClientSampleId :

SSTDCCC040

Tgt Ion:165 Resp: 103972

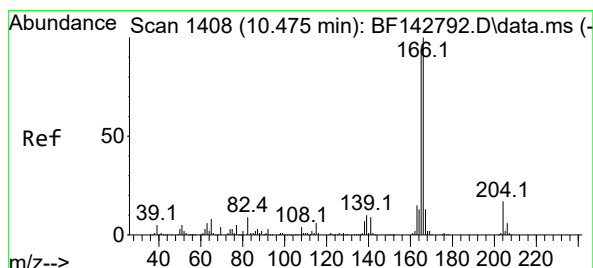
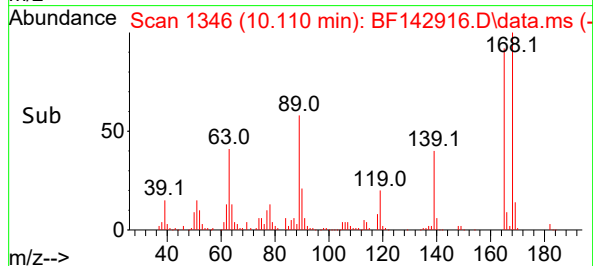
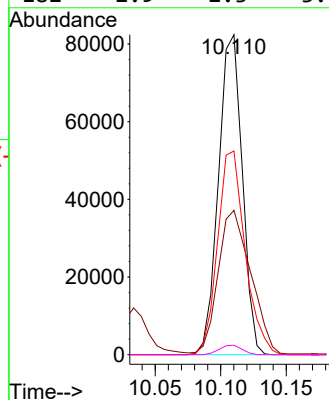
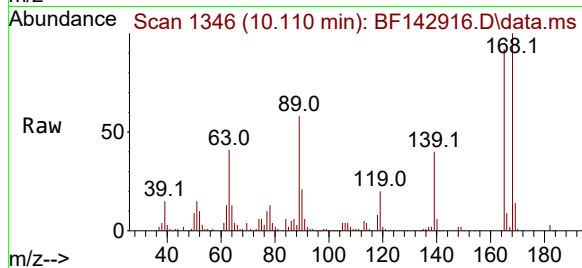
Ion Ratio Lower Upper

165 100

63 45.1 33.9 50.9

89 63.6 50.6 75.8

182 2.9 2.3 3.5



#58

Fluorene

Concen: 40.709 ng

RT: 10.469 min Scan# 1407

Delta R.T. -0.006 min

Lab File: BF142916.D

Acq: 30 Jun 2025 15:35

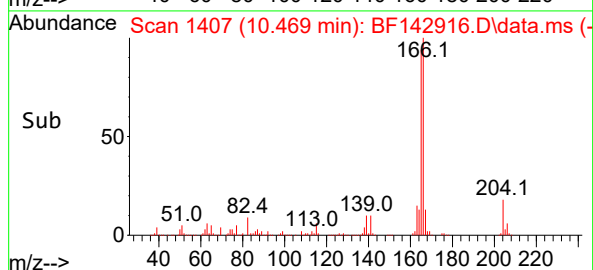
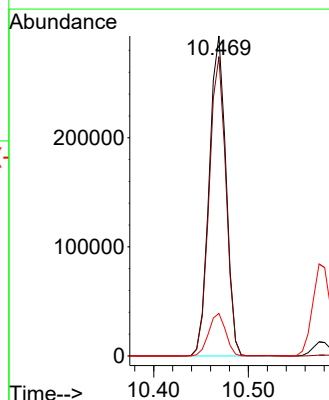
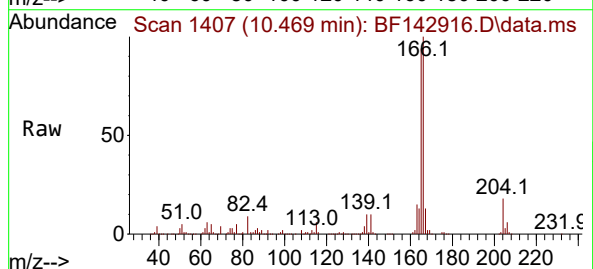
Tgt Ion:166 Resp: 359673

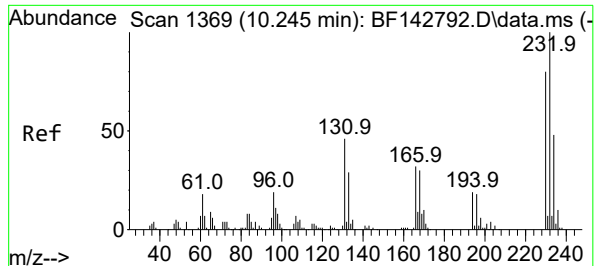
Ion Ratio Lower Upper

166 100

165 93.6 75.2 112.8

167 13.3 10.6 15.8

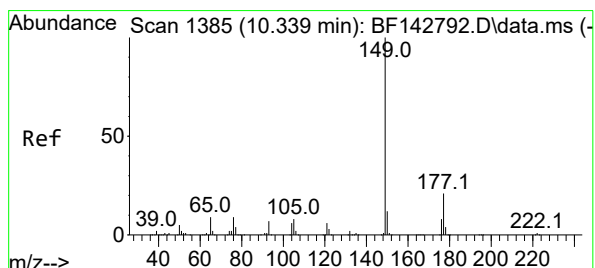
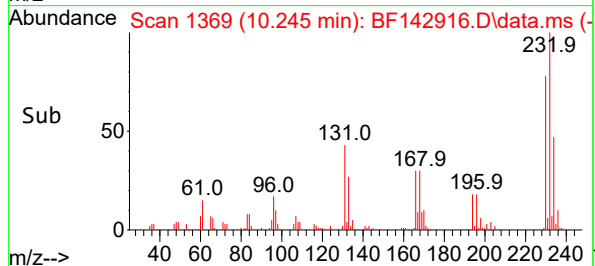
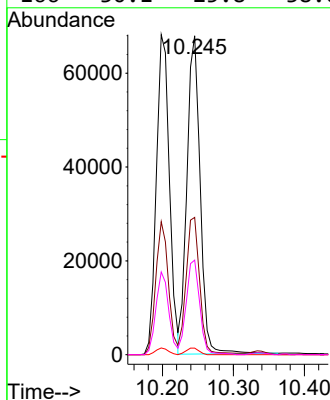
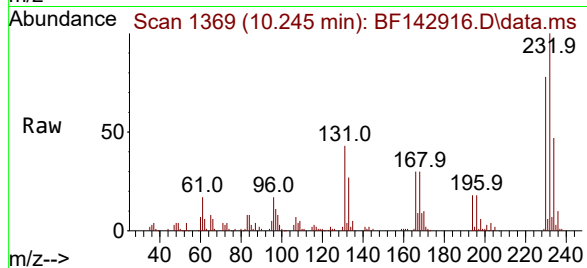




#59
2,3,4,6-Tetrachlorophenol
Concen: 40.661 ng
RT: 10.245 min Scan# 1369
Delta R.T. 0.000 min
Lab File: BF142916.D
Acq: 30 Jun 2025 15:35

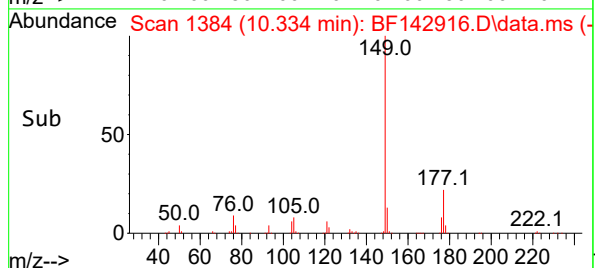
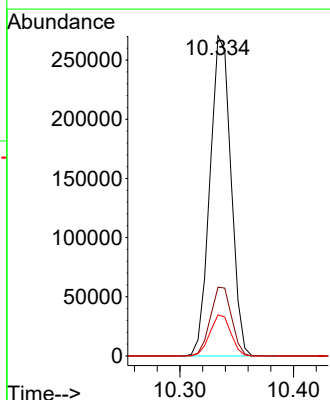
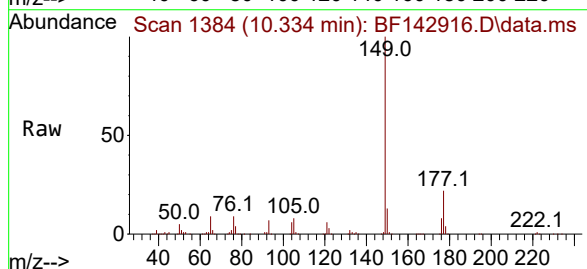
Instrument :
BNA_F
ClientSampleId :
SSTDCCC040

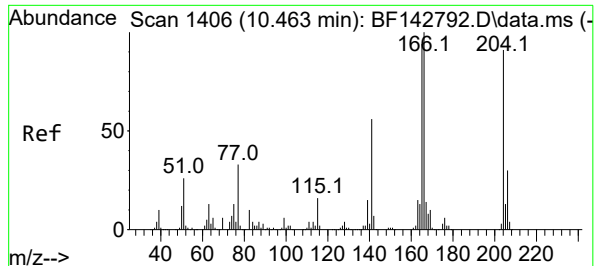
Tgt Ion:232 Resp: 87898
Ion Ratio Lower Upper
232 100
131 44.5 37.6 56.4
130 2.0 1.7 2.5
166 30.1 25.8 38.6



#60
Diethylphthalate
Concen: 41.290 ng
RT: 10.334 min Scan# 1384
Delta R.T. -0.006 min
Lab File: BF142916.D
Acq: 30 Jun 2025 15:35

Tgt Ion:149 Resp: 347233
Ion Ratio Lower Upper
149 100
177 21.5 17.0 25.6
150 12.8 9.8 14.6

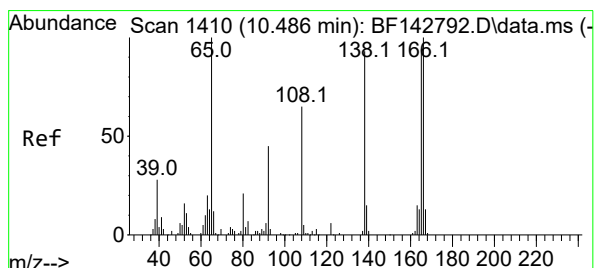
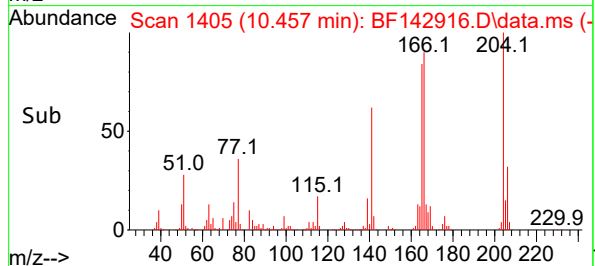
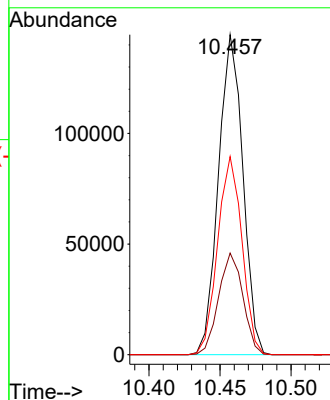
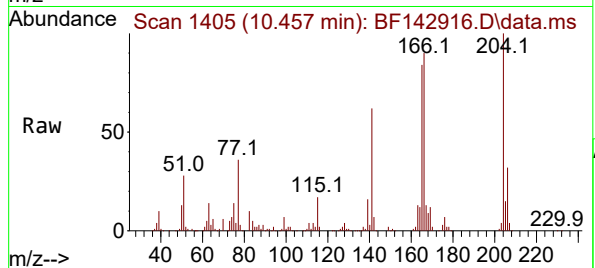




#61
4-Chlorophenyl-phenylether
Concen: 41.008 ng
RT: 10.457 min Scan# 1405
Delta R.T. -0.006 min
Lab File: BF142916.D
Acq: 30 Jun 2025 15:35

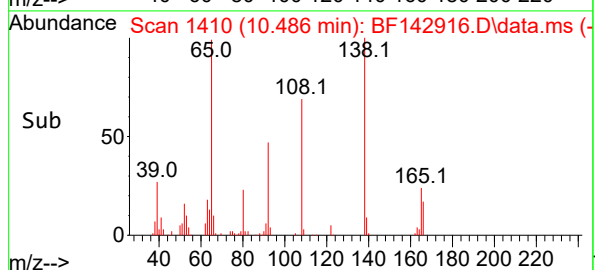
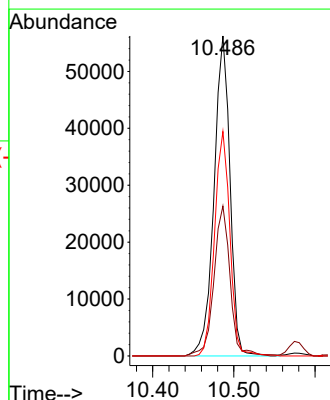
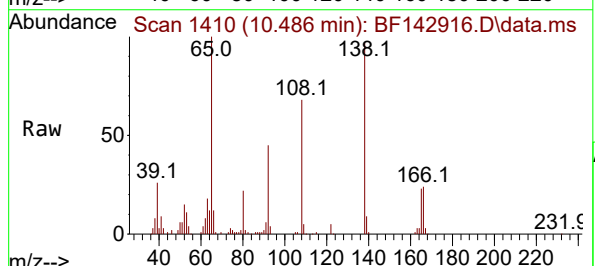
Instrument :
BNA_F
ClientSampleId :
SSTDCCC040

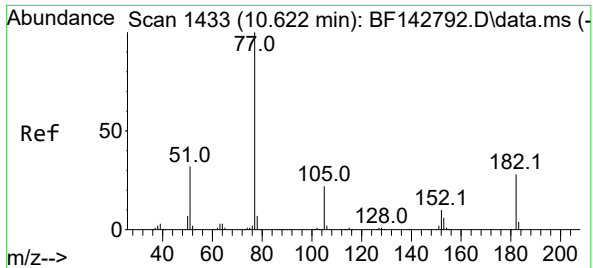
Tgt Ion:204 Resp: 172893
Ion Ratio Lower Upper
204 100
206 31.8 26.3 39.5
141 61.9 49.1 73.7



#62
4-Nitroaniline
Concen: 40.676 ng
RT: 10.486 min Scan# 1410
Delta R.T. 0.000 min
Lab File: BF142916.D
Acq: 30 Jun 2025 15:35

Tgt Ion:138 Resp: 77148
Ion Ratio Lower Upper
138 100
92 46.8 28.4 68.4
108 70.2 50.2 90.2

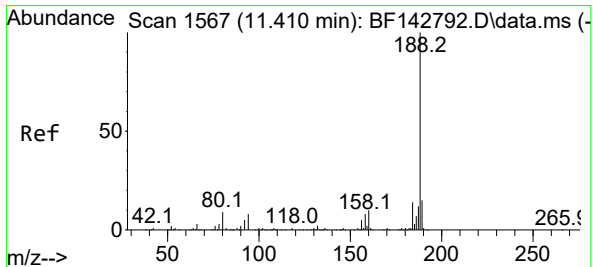
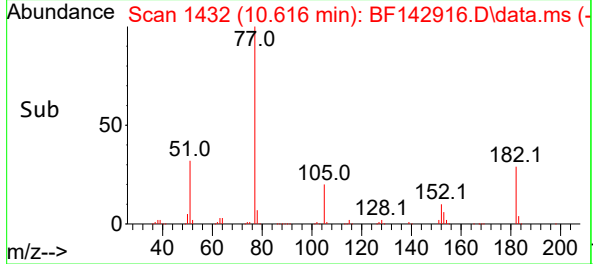
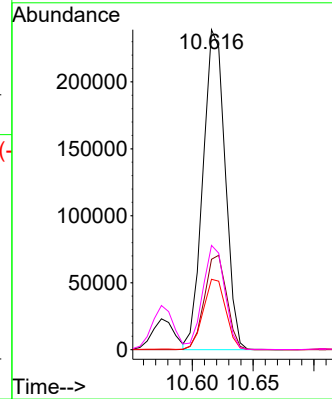
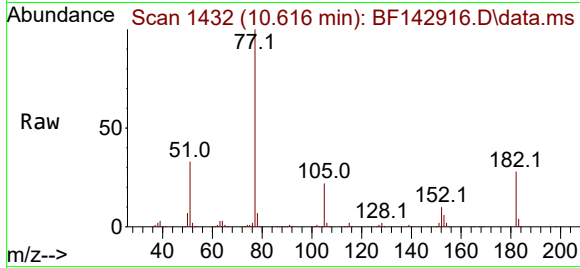




#63
Azobenzene
Concen: 40.310 ng
RT: 10.616 min Scan# 1432
Delta R.T. -0.006 min
Lab File: BF142916.D
Acq: 30 Jun 2025 15:35

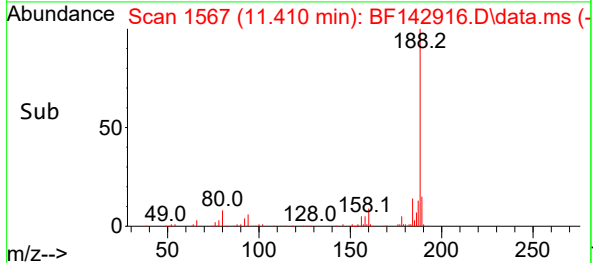
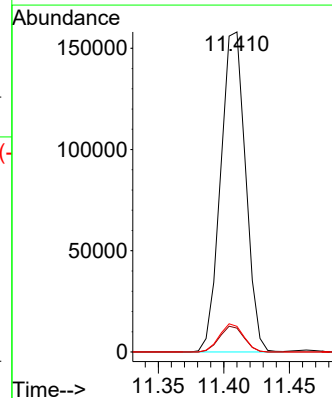
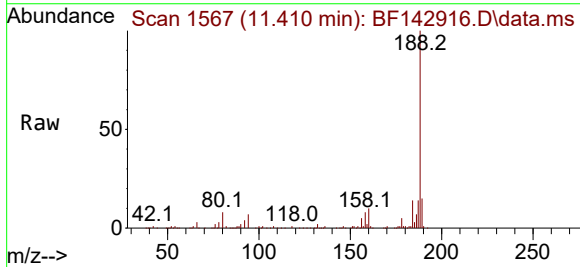
Instrument :
BNA_F
ClientSampleId :
SSTDCCC040

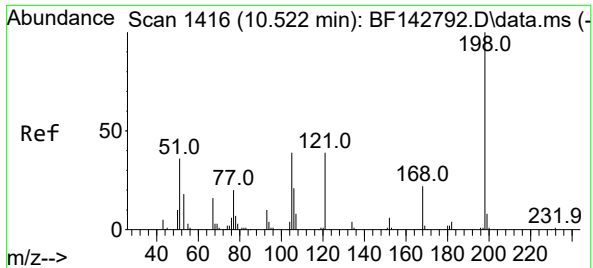
Tgt Ion: 77 Resp: 302972
Ion Ratio Lower Upper
77 100
182 28.2 7.7 47.7
105 22.0 1.9 41.9
51 32.6 13.3 53.3



#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.410 min Scan# 1567
Delta R.T. 0.000 min
Lab File: BF142916.D
Acq: 30 Jun 2025 15:35

Tgt Ion: 188 Resp: 208976
Ion Ratio Lower Upper
188 100
94 7.5 6.7 10.1
80 8.0 6.9 10.3

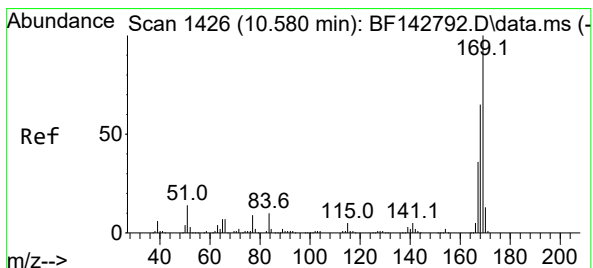
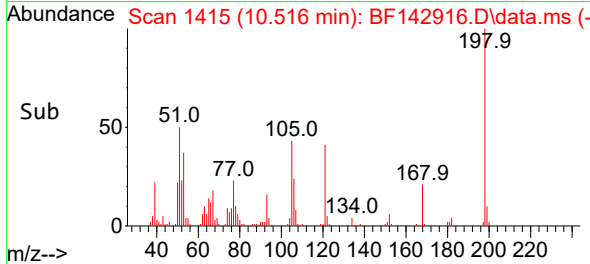
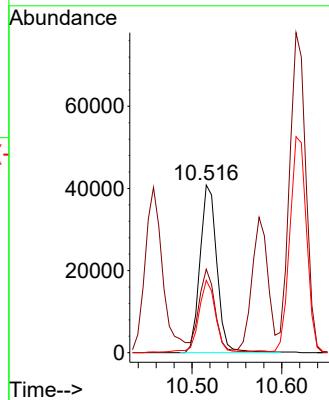
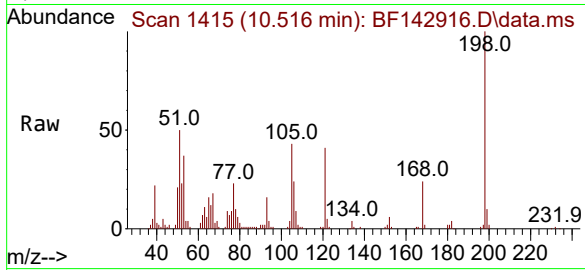




#65
4,6-Dinitro-2-methylphenol
Concen: 42.233 ng
RT: 10.516 min Scan# 1416
Delta R.T. -0.006 min
Lab File: BF142916.D
Acq: 30 Jun 2025 15:35

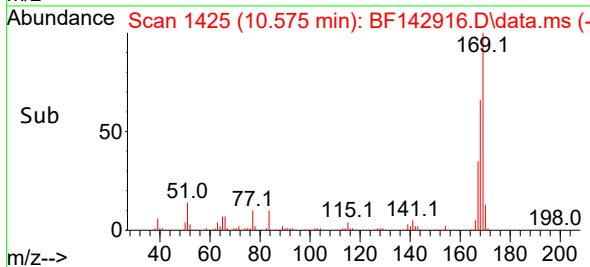
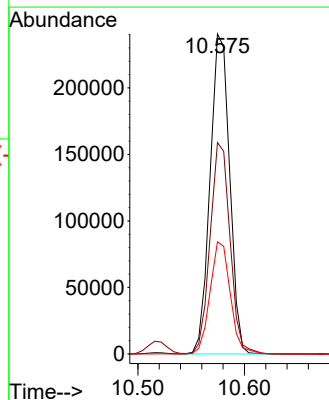
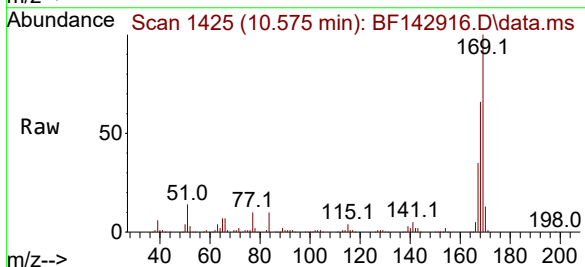
Instrument :
BNA_F
ClientSampleId :
SSTDCCC040

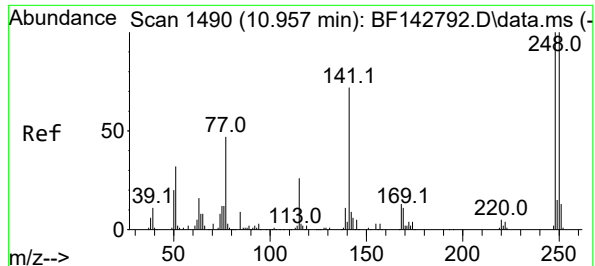
Tgt Ion	Ratio	Lower	Upper
198	100		
51	49.8	25.4	65.4
105	43.1	20.4	60.4



#66
n-Nitrosodiphenylamine
Concen: 42.302 ng
RT: 10.575 min Scan# 1425
Delta R.T. -0.006 min
Lab File: BF142916.D
Acq: 30 Jun 2025 15:35

Tgt Ion	Ratio	Lower	Upper
169	100		
168	66.0	51.9	77.9
167	35.0	28.5	42.7

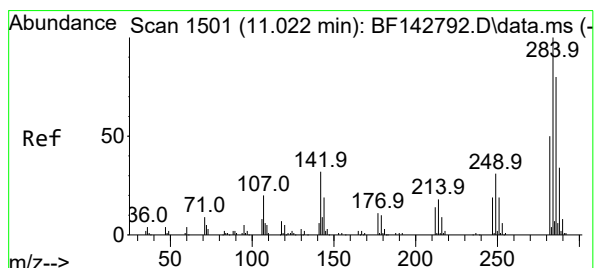
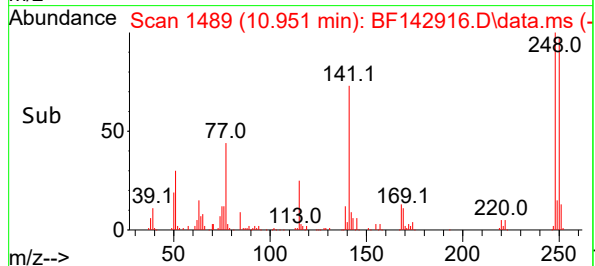
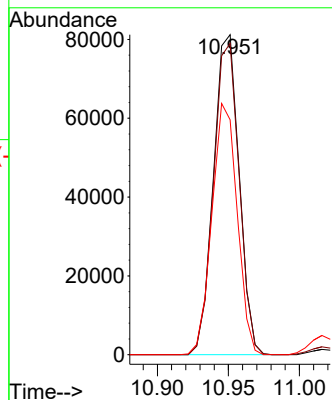
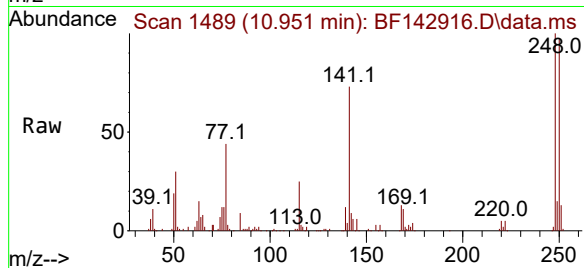




#67
4-Bromophenyl-phenylether
Concen: 42.895 ng
RT: 10.951 min Scan# 1490
Delta R.T. -0.006 min
Lab File: BF142916.D
Acq: 30 Jun 2025 15:35

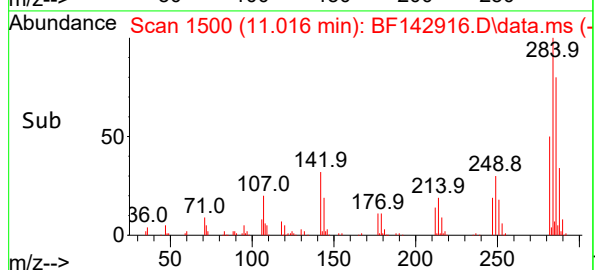
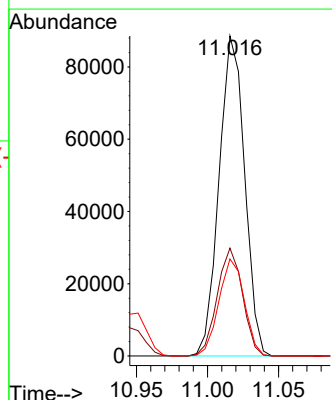
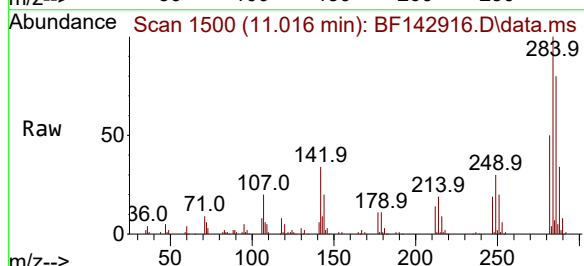
Instrument :
BNA_F
ClientSampleId :
SSTDCCC040

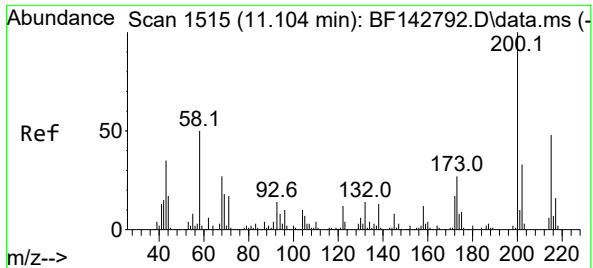
Tgt Ion:248 Resp: 102020
Ion Ratio Lower Upper
248 100
250 97.2 79.8 119.8
141 73.4 57.8 86.6



#68
Hexachlorobenzene
Concen: 41.926 ng
RT: 11.016 min Scan# 1500
Delta R.T. -0.006 min
Lab File: BF142916.D
Acq: 30 Jun 2025 15:35

Tgt Ion:284 Resp: 110800
Ion Ratio Lower Upper
284 100
142 33.7 25.5 38.3
249 30.3 24.9 37.3





#69

Atrazine

Concen: 44.040 ng

RT: 11.104 min Scan# 1515

Delta R.T. 0.000 min

Lab File: BF142916.D

Acq: 30 Jun 2025 15:35

Instrument :

BNA_F

ClientSampleId :

SSTDCCC040

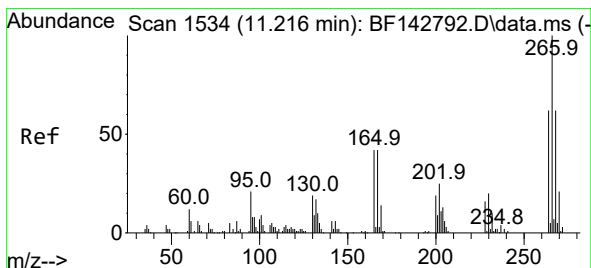
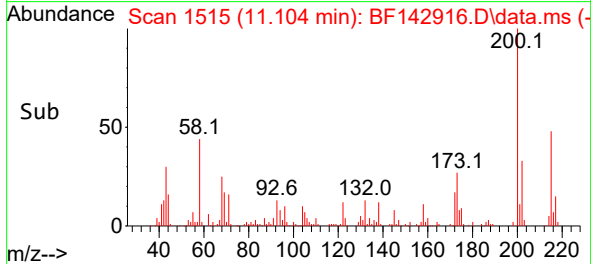
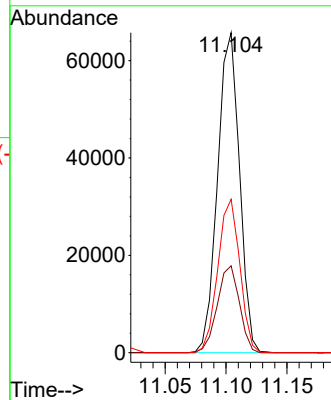
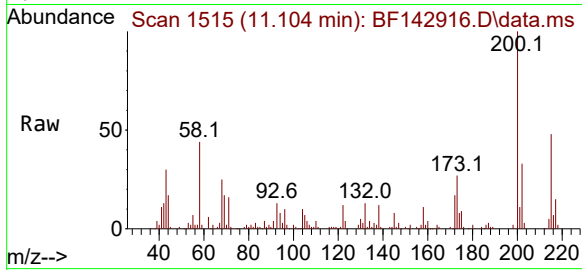
Tgt Ion:200 Resp: 82366

Ion Ratio Lower Upper

200 100

173 27.2 7.4 47.4

215 48.0 28.4 68.4



#70

Pentachlorophenol

Concen: 39.257 ng

RT: 11.216 min Scan# 1534

Delta R.T. 0.000 min

Lab File: BF142916.D

Acq: 30 Jun 2025 15:35

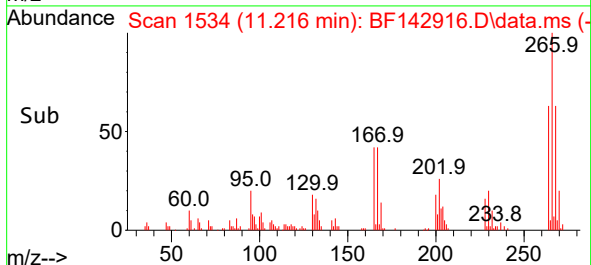
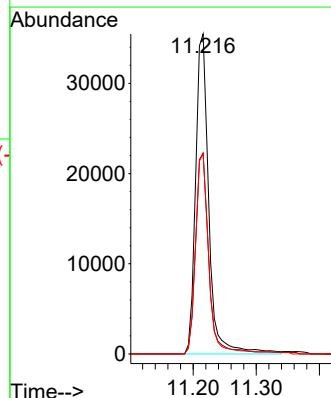
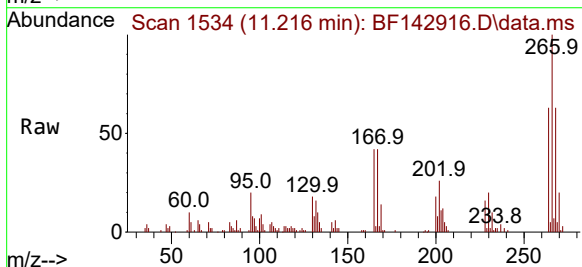
Tgt Ion:266 Resp: 51697

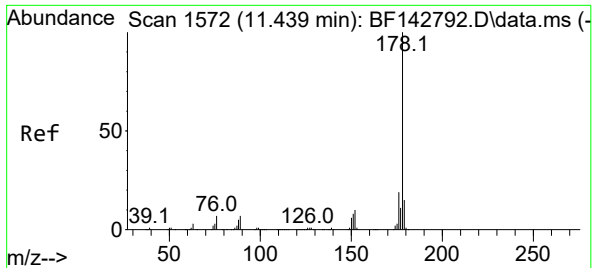
Ion Ratio Lower Upper

266 100

268 62.8 49.8 74.8

264 62.6 49.9 74.9

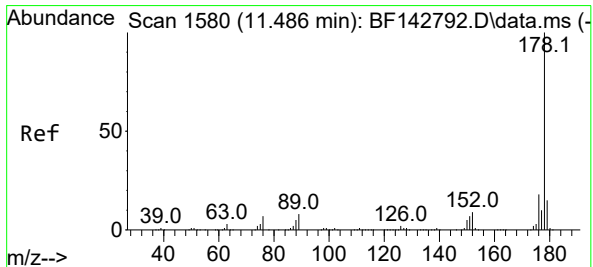
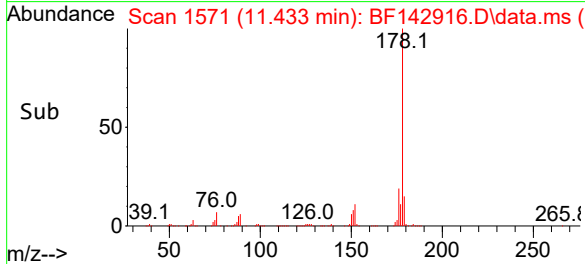
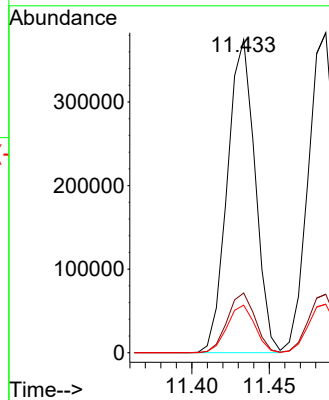
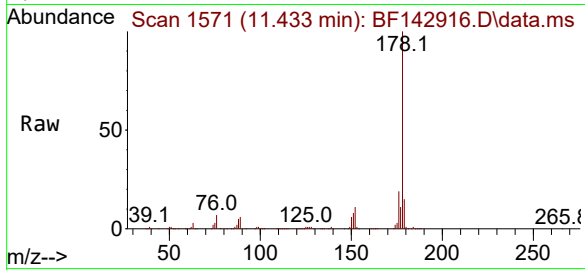




#71
Phenanthrene
Concen: 41.176 ng
RT: 11.433 min Scan# 1572
Delta R.T. -0.006 min
Lab File: BF142916.D
Acq: 30 Jun 2025 15:35

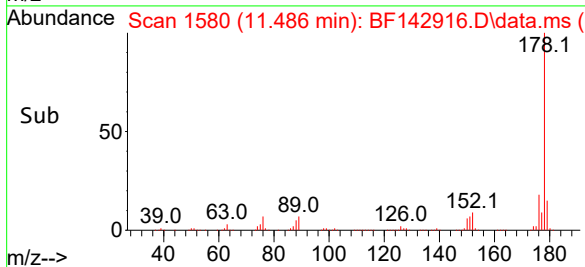
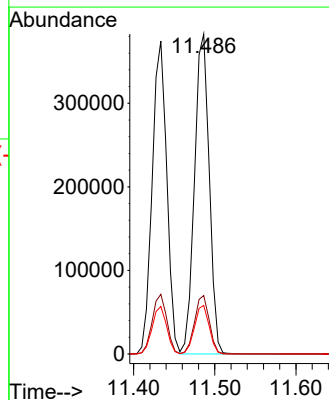
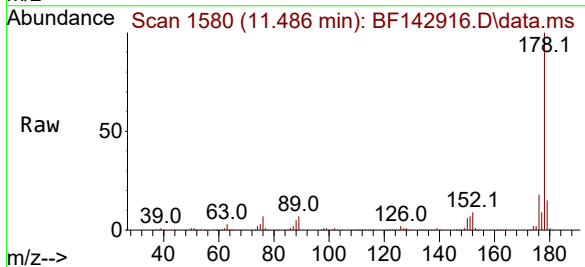
Instrument :
BNA_F
ClientSampleId :
SSTDCCC040

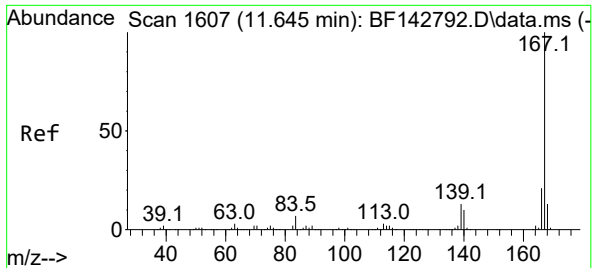
Tgt Ion:178 Resp: 466124
Ion Ratio Lower Upper
178 100
176 19.1 15.1 22.7
179 15.2 12.0 18.0



#72
Anthracene
Concen: 41.684 ng
RT: 11.486 min Scan# 1580
Delta R.T. 0.000 min
Lab File: BF142916.D
Acq: 30 Jun 2025 15:35

Tgt Ion:178 Resp: 483953
Ion Ratio Lower Upper
178 100
176 18.2 14.6 21.8
179 15.1 12.4 18.6

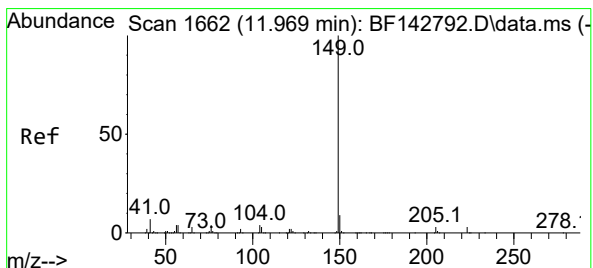
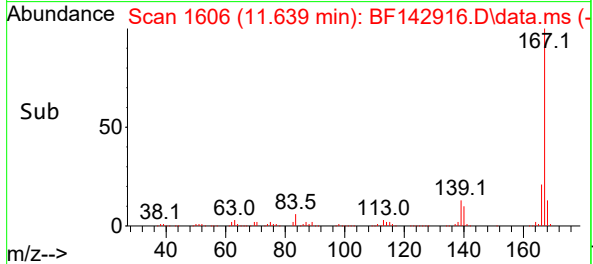
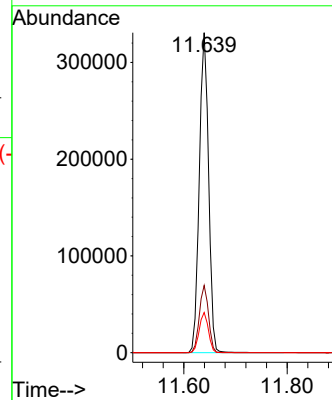
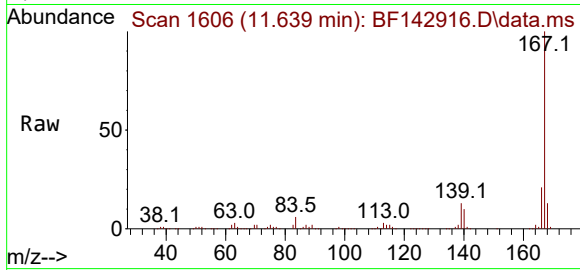




#73
Carbazole
Concen: 41.086 ng
RT: 11.639 min Scan# 1606
Delta R.T. -0.006 min
Lab File: BF142916.D
Acq: 30 Jun 2025 15:35

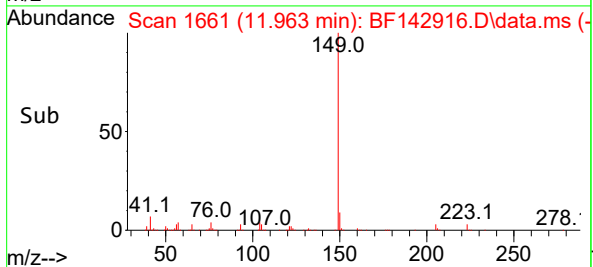
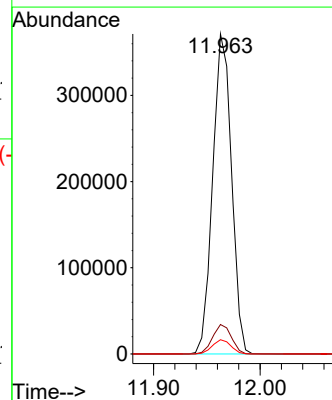
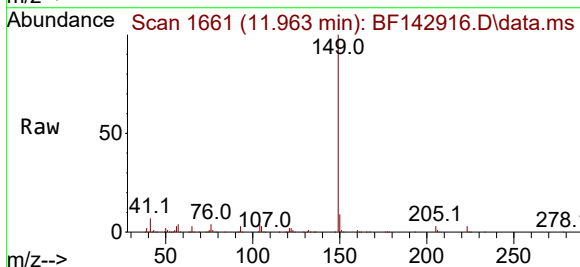
Instrument :
BNA_F
ClientSampleId :
SSTDCCC040

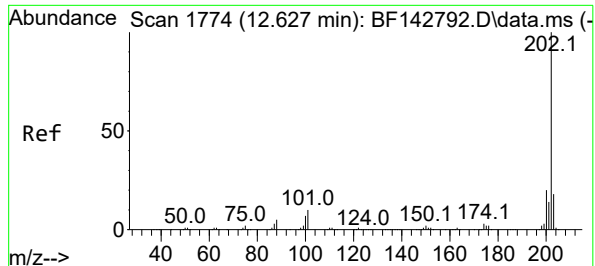
Tgt Ion:167 Resp: 411637
Ion Ratio Lower Upper
167 100
166 21.0 17.0 25.4
139 12.5 10.2 15.2



#74
Di-n-butylphthalate
Concen: 43.616 ng
RT: 11.963 min Scan# 1661
Delta R.T. -0.006 min
Lab File: BF142916.D
Acq: 30 Jun 2025 15:35

Tgt Ion:149 Resp: 455227
Ion Ratio Lower Upper
149 100
150 9.2 7.4 11.0
104 4.4 3.5 5.3





#75

Fluoranthene

Concen: 39.709 ng

RT: 12.622 min Scan# 1774

Delta R.T. -0.006 min

Lab File: BF142916.D

Acq: 30 Jun 2025 15:35

Instrument :

BNA_F

ClientSampleId :

SSTDCCC040

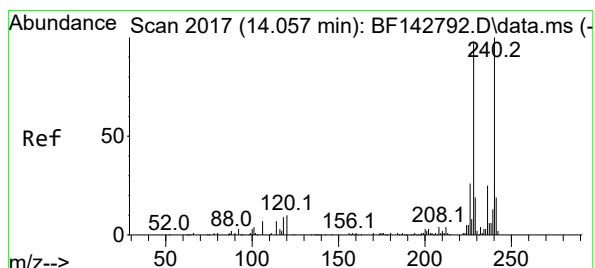
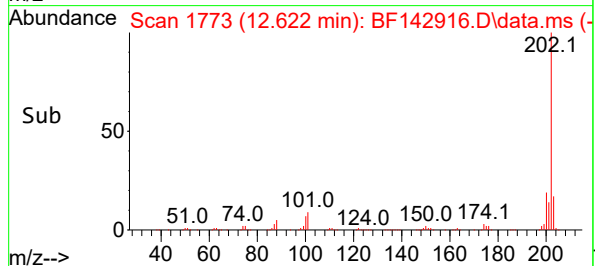
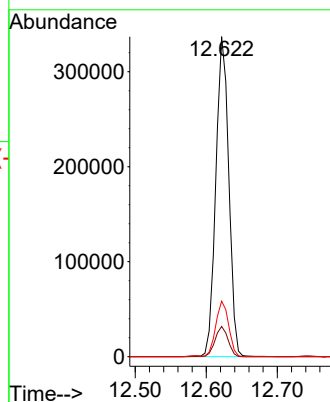
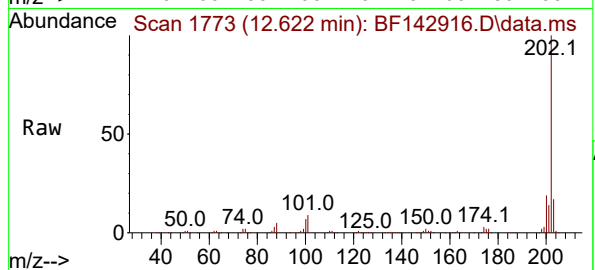
Tgt Ion:202 Resp: 426616

Ion Ratio Lower Upper

202 100

101 9.4 0.0 29.7

203 17.4 0.0 37.5



#76

Chrysene-d12

Concen: 20.000 ng

RT: 14.057 min Scan# 2017

Delta R.T. 0.000 min

Lab File: BF142916.D

Acq: 30 Jun 2025 15:35

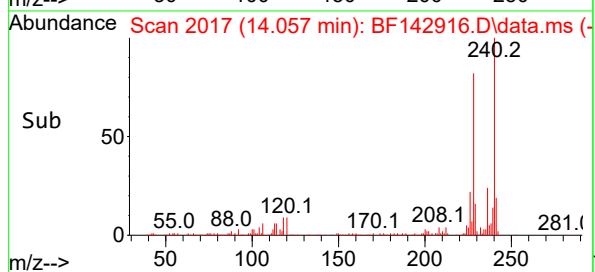
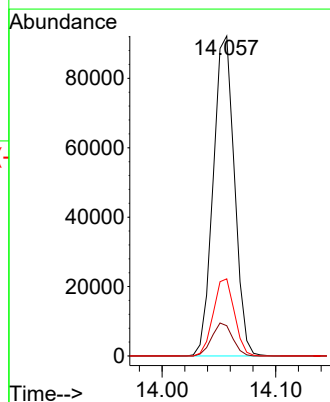
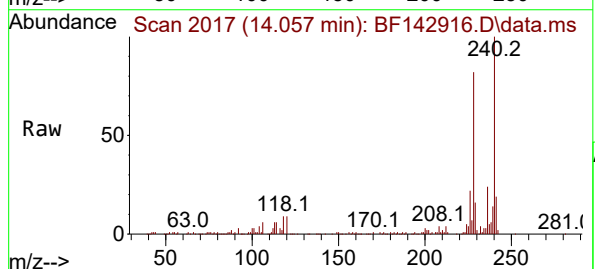
Tgt Ion:240 Resp: 119597

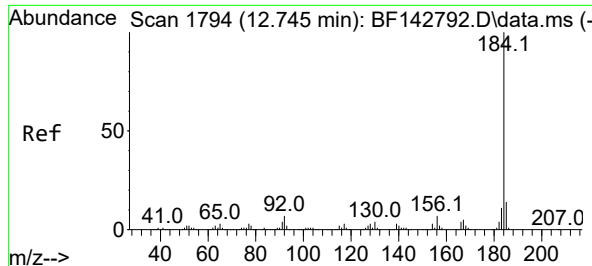
Ion Ratio Lower Upper

240 100

120 9.4 8.2 12.2

236 24.1 19.8 29.8





#77

Benzidine

Concen: 39.720 ng

RT: 12.745 min Scan# 11

Delta R.T. 0.000 min

Lab File: BF142916.D

Acq: 30 Jun 2025 15:35

Instrument :

BNA_F

ClientSampleId :

SSTDCCC040

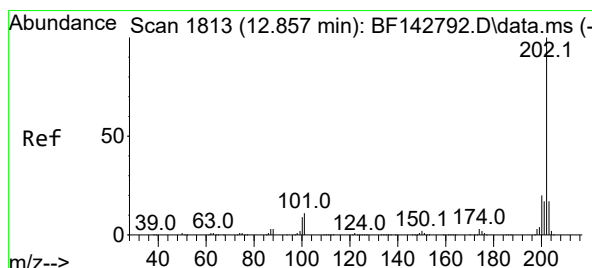
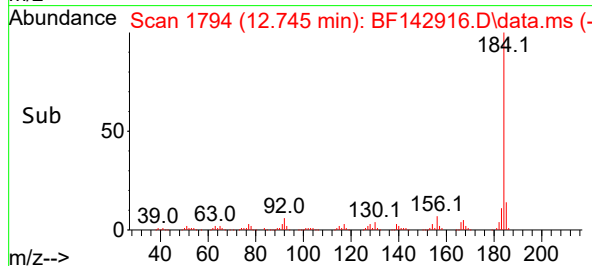
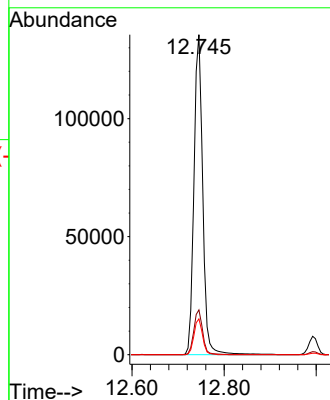
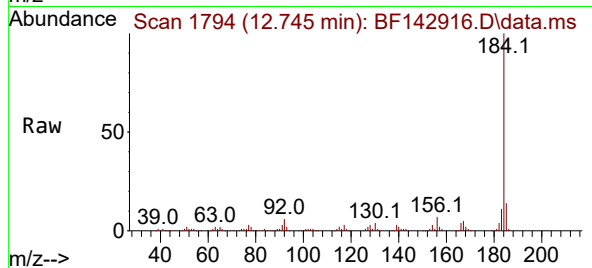
Tgt Ion:184 Resp: 178477

Ion Ratio Lower Upper

184 100

185 14.0 11.5 17.3

183 11.2 9.0 13.4



#78

Pyrene

Concen: 37.611 ng

RT: 12.851 min Scan# 1812

Delta R.T. -0.006 min

Lab File: BF142916.D

Acq: 30 Jun 2025 15:35

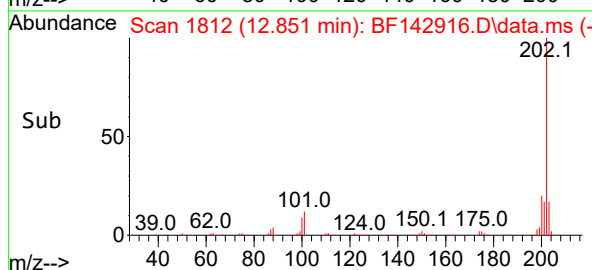
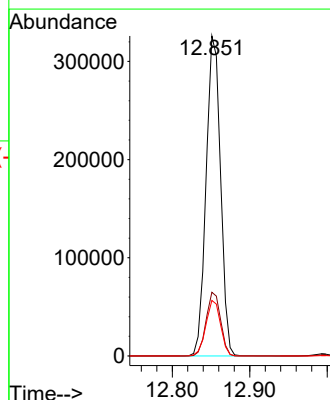
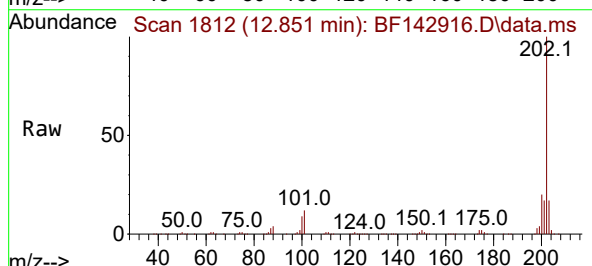
Tgt Ion:202 Resp: 421635

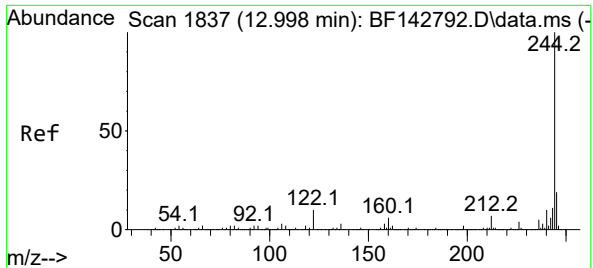
Ion Ratio Lower Upper

202 100

200 19.9 15.7 23.5

203 17.3 13.8 20.6





#79

Terphenyl-d14

Concen: 86.030 ng

RT: 12.992 min Scan# 11

Delta R.T. -0.006 min

Lab File: BF142916.D

Acq: 30 Jun 2025 15:35

Instrument :

BNA_F

ClientSampleId :

SSTDCCC040

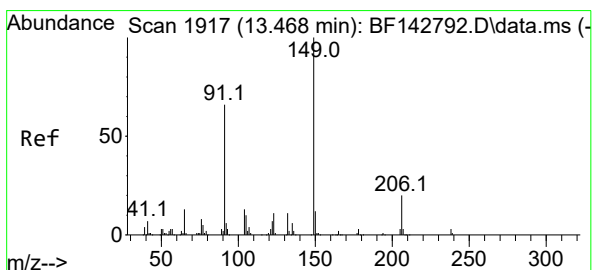
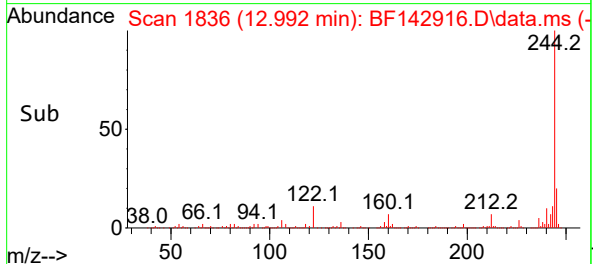
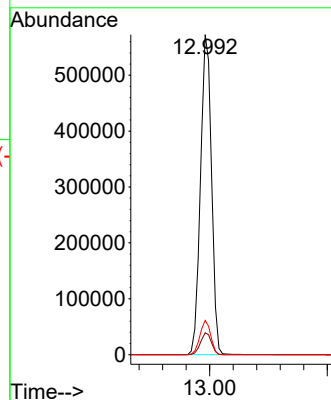
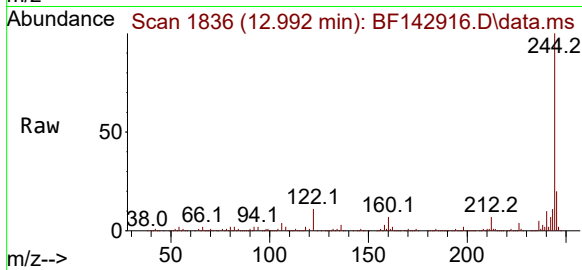
Tgt Ion:244 Resp: 744658

Ion Ratio Lower Upper

244 100

212 6.8 5.4 8.0

122 10.7 8.2 12.2



#80

Butylbenzylphthalate

Concen: 45.169 ng

RT: 13.469 min Scan# 1917

Delta R.T. 0.000 min

Lab File: BF142916.D

Acq: 30 Jun 2025 15:35

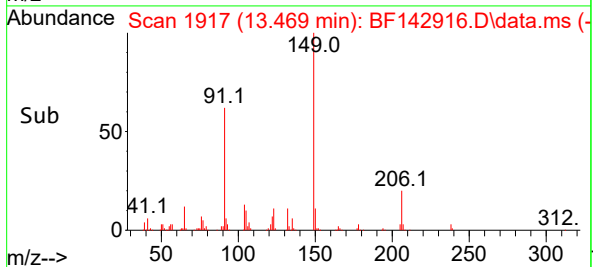
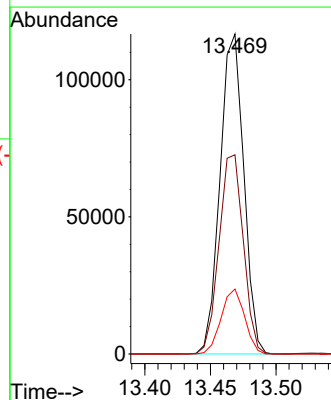
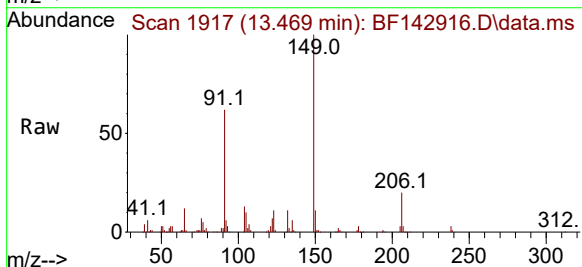
Tgt Ion:149 Resp: 146881

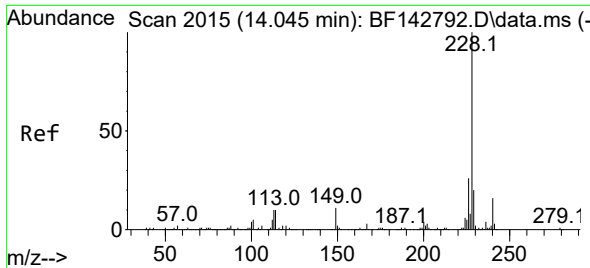
Ion Ratio Lower Upper

149 100

91 62.2 52.9 79.3

206 20.3 16.3 24.5

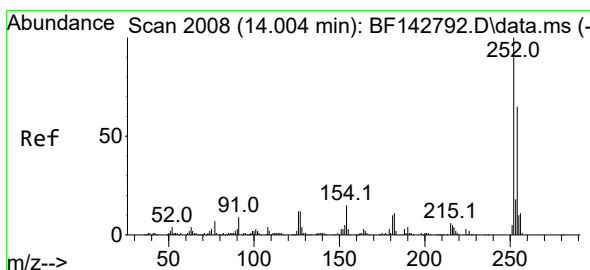
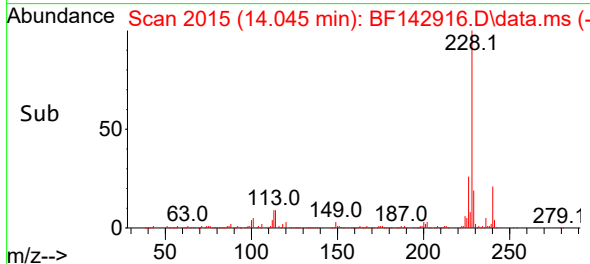
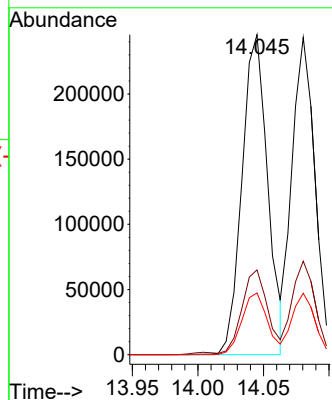
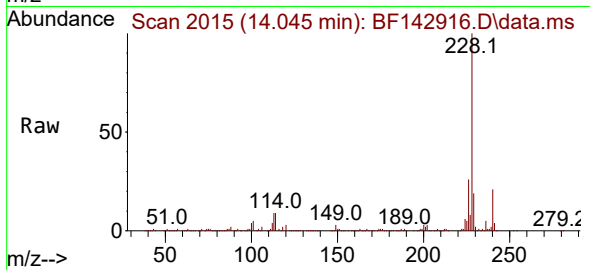




#81
Benzo(a)anthracene
Concen: 41.537 ng
RT: 14.045 min Scan# 2015
Delta R.T. 0.000 min
Lab File: BF142916.D
Acq: 30 Jun 2025 15:35

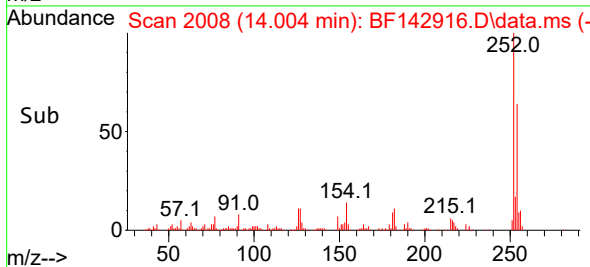
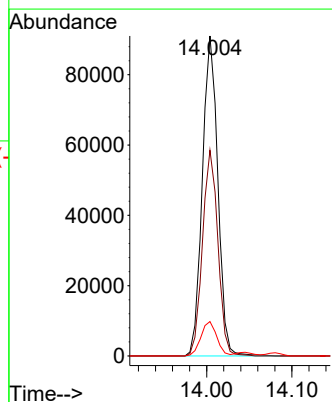
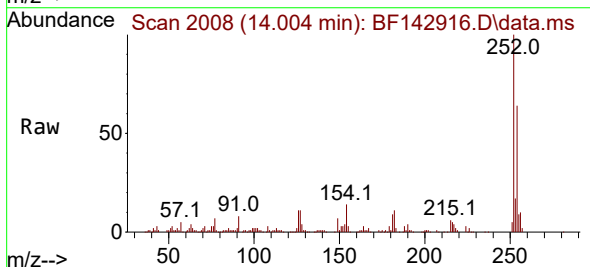
Instrument :
BNA_F
ClientSampleId :
SSTDCCC040

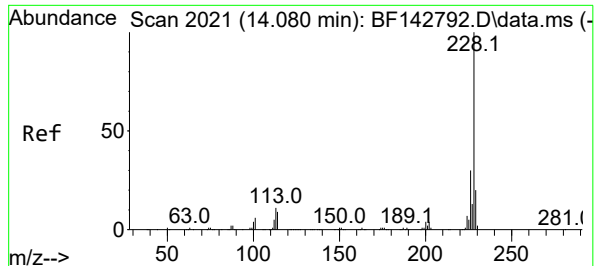
Tgt Ion:228 Resp: 335121
Ion Ratio Lower Upper
228 100
226 26.5 21.2 31.8
229 19.3 15.6 23.4



#82
3,3'-Dichlorobenzidine
Concen: 43.894 ng
RT: 14.004 min Scan# 2008
Delta R.T. 0.000 min
Lab File: BF142916.D
Acq: 30 Jun 2025 15:35

Tgt Ion:252 Resp: 114867
Ion Ratio Lower Upper
252 100
254 64.3 51.7 77.5
126 10.7 9.4 14.2





#83

Chrysene

Concen: 41.112 ng

RT: 14.080 min Scan# 2021

Delta R.T. 0.000 min

Lab File: BF142916.D

Acq: 30 Jun 2025 15:35

Instrument :

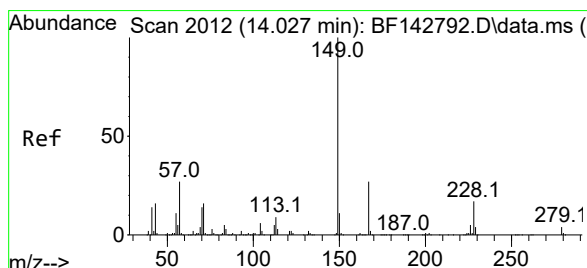
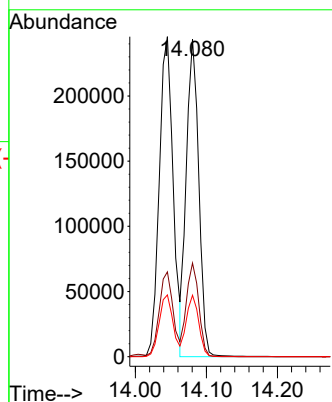
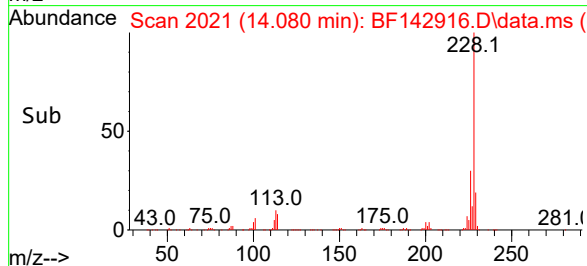
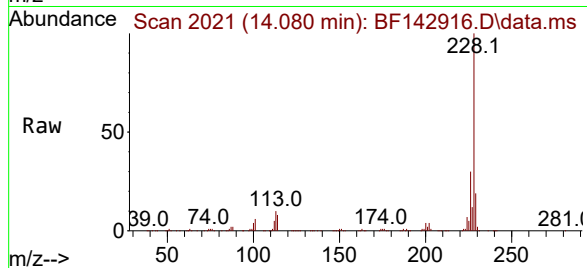
BNA_F

ClientSampleId :

SSTDCCC040

Tgt Ion:228 Resp: 295981

Ion	Ratio	Lower	Upper
228	100		
226	29.5	23.7	35.5
229	19.4	15.7	23.5



#84

Bis(2-ethylhexyl)phthalate

Concen: 45.571 ng

RT: 14.027 min Scan# 2012

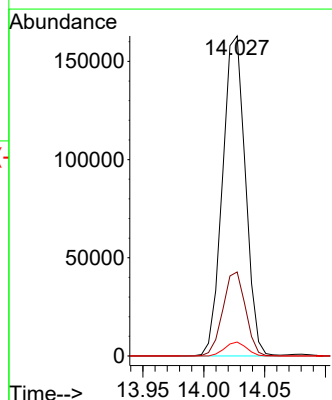
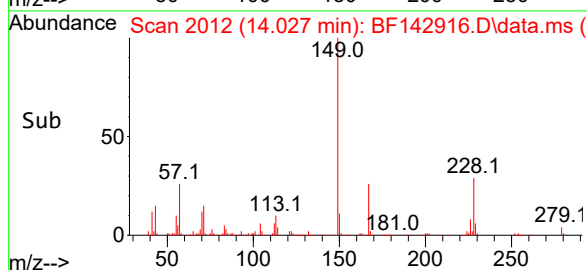
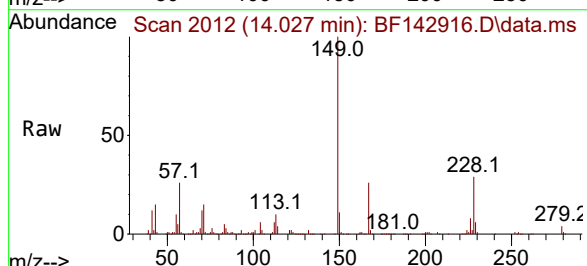
Delta R.T. 0.000 min

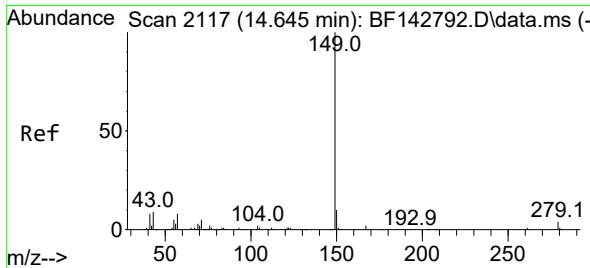
Lab File: BF142916.D

Acq: 30 Jun 2025 15:35

Tgt Ion:149 Resp: 213211

Ion	Ratio	Lower	Upper
149	100		
167	26.3	21.4	32.0
279	4.4	3.0	4.6

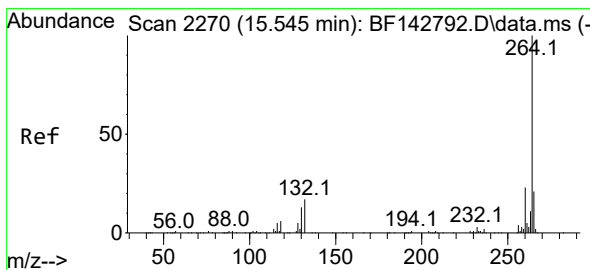
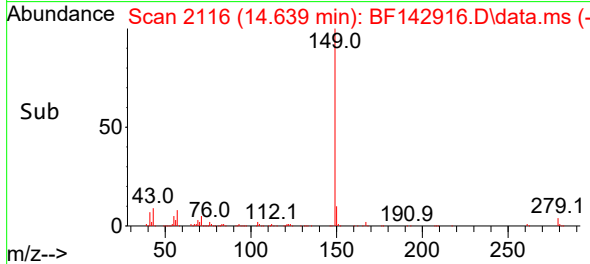
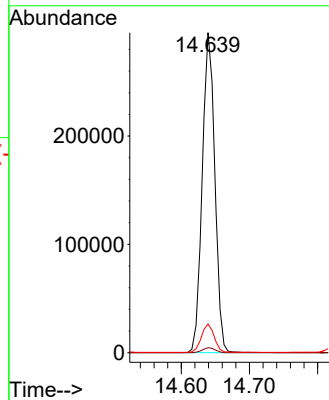
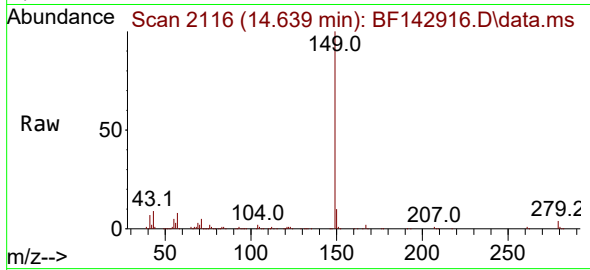




#85
Di-n-octyl phthalate
Concen: 43.008 ng
RT: 14.639 min Scan# 2117
Delta R.T. -0.006 min
Lab File: BF142916.D
Acq: 30 Jun 2025 15:35

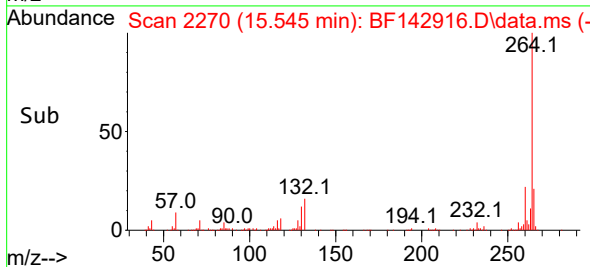
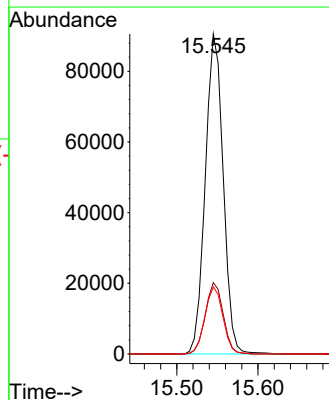
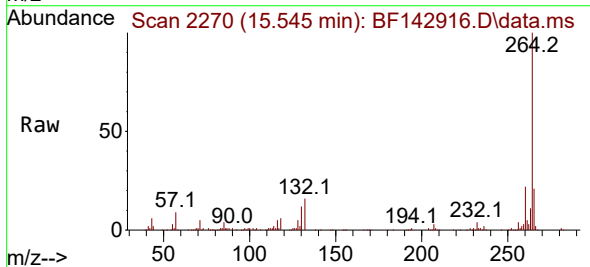
Instrument :
BNA_F
ClientSampleId :
SSTDCCC040

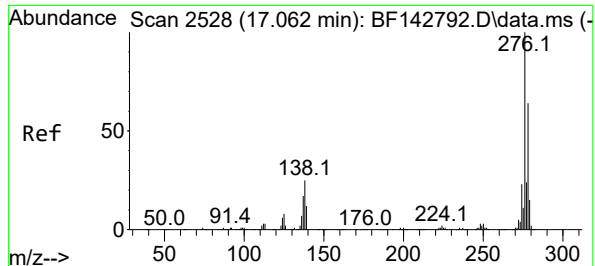
Tgt Ion:149 Resp: 379422
Ion Ratio Lower Upper
149 100
167 1.6 1.3 1.9
43 8.9 7.6 11.4



#86
Perylene-d12
Concen: 20.000 ng
RT: 15.545 min Scan# 2270
Delta R.T. 0.000 min
Lab File: BF142916.D
Acq: 30 Jun 2025 15:35

Tgt Ion:264 Resp: 138896
Ion Ratio Lower Upper
264 100
260 22.3 18.1 27.1
265 20.9 16.6 25.0





#87

Indeno(1,2,3-cd)pyrene

Concen: 39.781 ng

RT: 17.063 min Scan# 2196

Delta R.T. 0.000 min

Lab File: BF142916.D

Acq: 30 Jun 2025 15:35

Instrument :

BNA_F

ClientSampleId :

SSTDCCC040

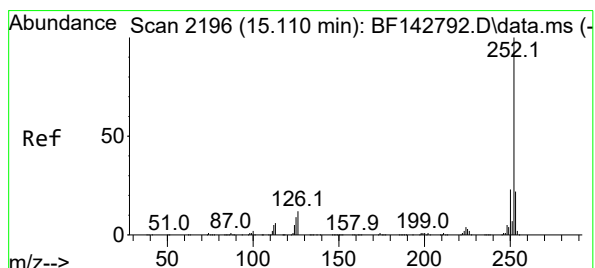
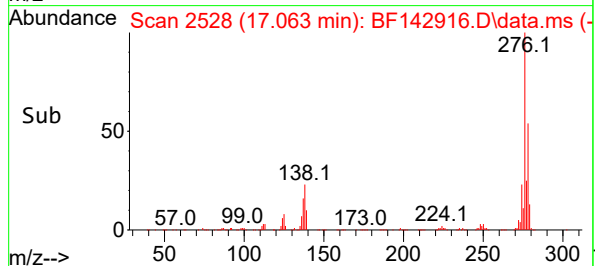
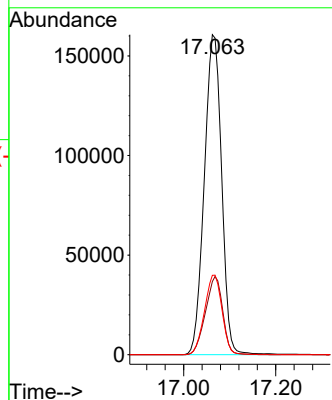
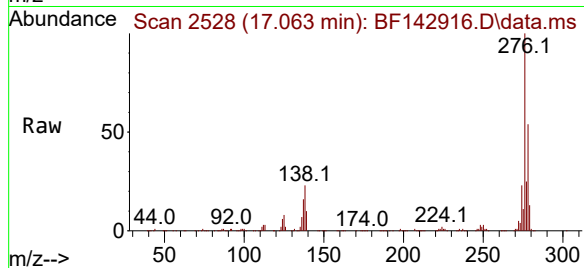
Tgt Ion:276 Resp: 420863

Ion Ratio Lower Upper

276 100

138 24.3 20.2 30.4

277 25.1 19.8 29.6



#88

Benzo(b)fluoranthene

Concen: 41.537 ng

RT: 15.110 min Scan# 2196

Delta R.T. 0.000 min

Lab File: BF142916.D

Acq: 30 Jun 2025 15:35

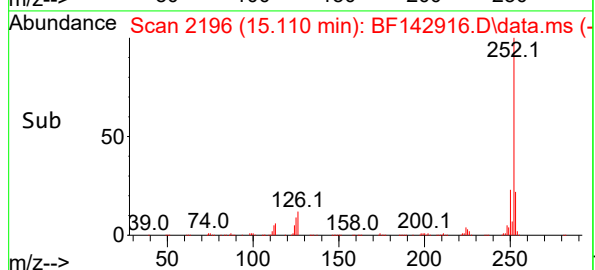
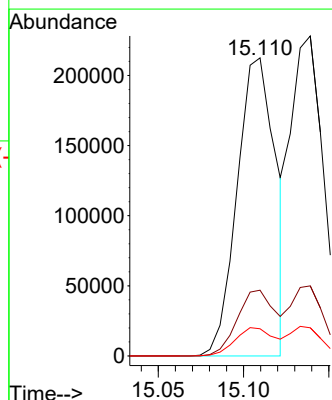
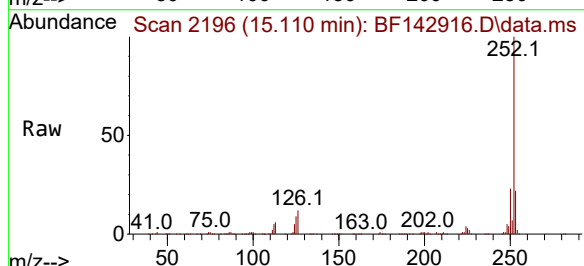
Tgt Ion:252 Resp: 333841

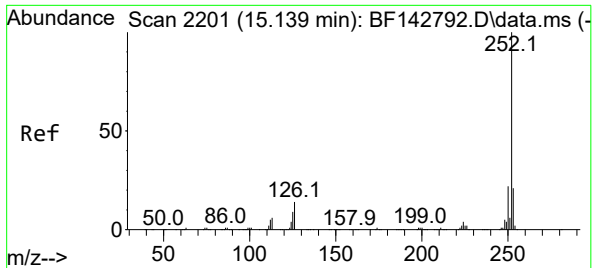
Ion Ratio Lower Upper

252 100

253 22.0 17.5 26.3

125 9.1 7.4 11.0





#89

Benzo(k)fluoranthene

Concen: 40.964 ng

RT: 15.139 min Scan# 2201

Delta R.T. 0.000 min

Lab File: BF142916.D

Acq: 30 Jun 2025 15:35

Instrument :

BNA_F

ClientSampleId :

SSTDCCC040

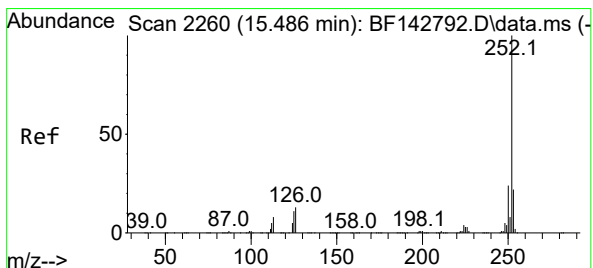
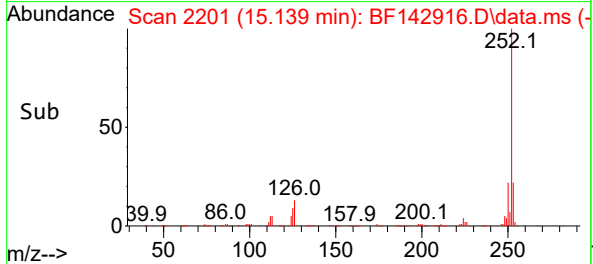
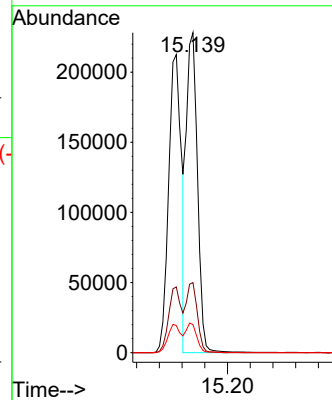
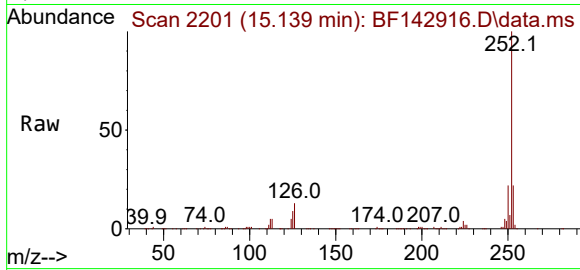
Tgt Ion:252 Resp: 308026

Ion Ratio Lower Upper

252 100

253 21.9 17.2 25.8

125 8.8 7.4 11.2



#90

Benzo(a)pyrene

Concen: 42.019 ng

RT: 15.486 min Scan# 2260

Delta R.T. 0.000 min

Lab File: BF142916.D

Acq: 30 Jun 2025 15:35

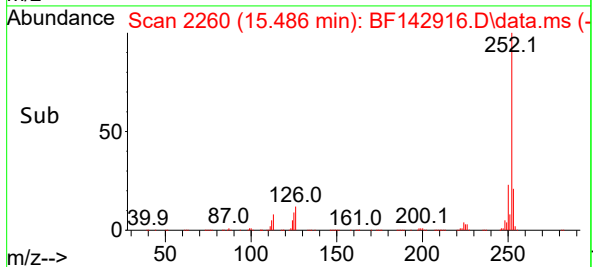
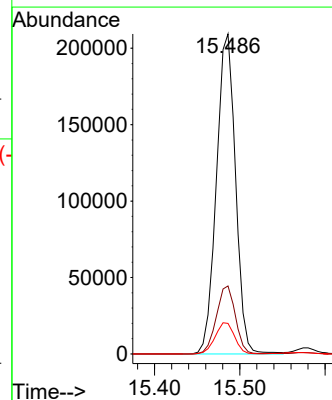
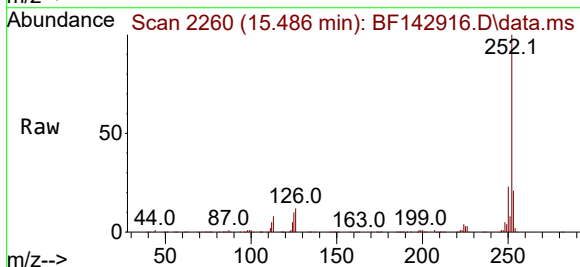
Tgt Ion:252 Resp: 326252

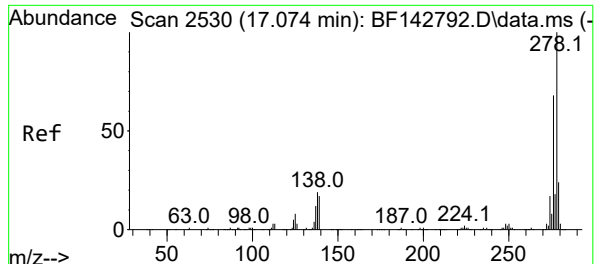
Ion Ratio Lower Upper

252 100

253 21.2 17.5 26.3

125 9.5 8.6 12.8





#91

Dibenzo(a,h)anthracene

Concen: 40.047 ng

RT: 17.080 min Scan# 21

Delta R.T. 0.006 min

Lab File: BF142916.D

Acq: 30 Jun 2025 15:35

Instrument :

BNA_F

ClientSampleId :

SSTDCCC040

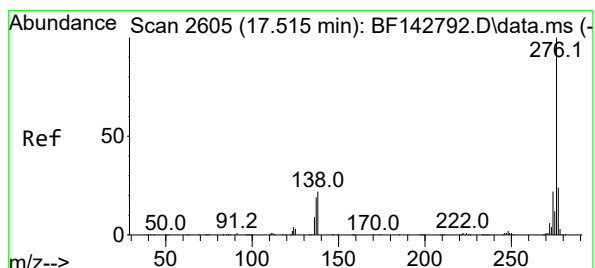
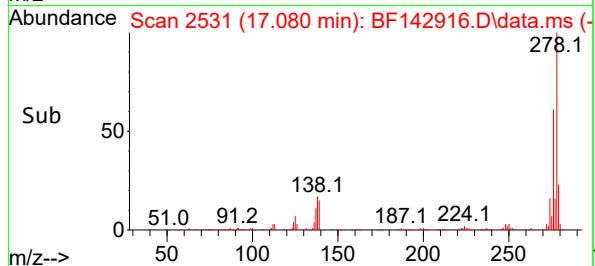
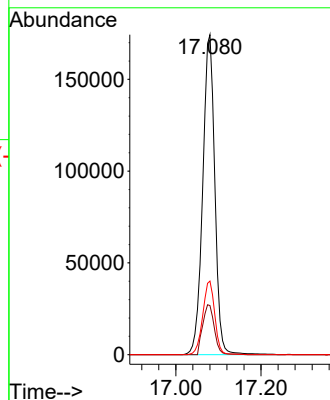
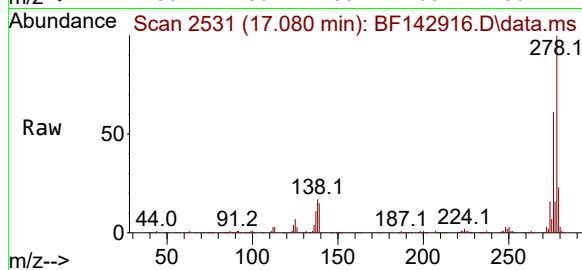
Tgt Ion:278 Resp: 344249

Ion Ratio Lower Upper

278 100

139 15.4 13.5 20.3

279 23.0 18.8 28.2



#92

Benzo(g,h,i)perylene

Concen: 39.387 ng

RT: 17.521 min Scan# 2606

Delta R.T. 0.006 min

Lab File: BF142916.D

Acq: 30 Jun 2025 15:35

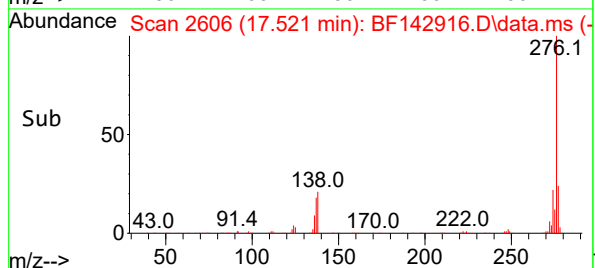
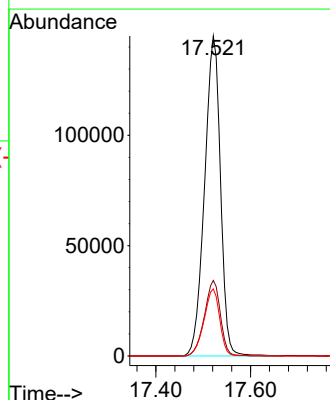
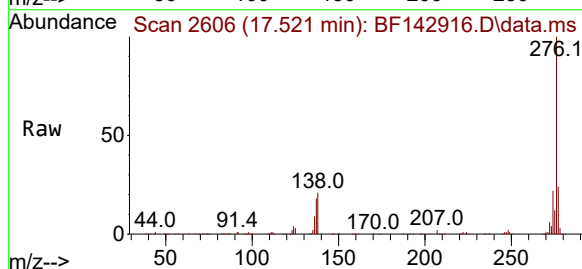
Tgt Ion:276 Resp: 337617

Ion Ratio Lower Upper

276 100

277 23.6 18.8 28.2

138 20.9 17.6 26.4



Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF063025\
 Data File : BF142916.D
 Acq On : 30 Jun 2025 15:35
 Operator : RC/JU
 Sample : SSTDCCC040
 Misc :
 ALS Vial : 2 Sample Multiplier: 1

Instrument :
 BNA_F
 LabSampleId :
 SSTDCCC040

Quant Time: Jun 30 16:05:54 2025
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF061925.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Tue Jun 24 05:28:21 2025
 Response via : Initial Calibration

Min. RRF : 0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.50min
 Max. RRF Dev : 25% Max. Rel. Area : 150%

	Compound	AvgRF	CCRF	%Dev	Area%	Dev(min)
1 I	1,4-Dichlorobenzene-d4	1.000	1.000	0.0	82	0.00
2	1,4-Dioxane	0.480	0.489	-1.9	87	-0.02
3	Pyridine	1.205	1.232	-2.2	87	-0.02
4	n-Nitrosodimethylamine	0.623	0.624	-0.2	86	-0.01
5 S	2-Fluorophenol	1.201	1.259	-4.8	90	0.00
6	Aniline	1.886	1.918	-1.7	86	0.00
7 S	Phenol-d6	1.417	1.469	-3.7	90	0.00
8	2-Chlorophenol	1.296	1.364	-5.2	90	0.00
9	Benzaldehyde	0.841	0.749	10.9	81	0.00
10 C	Phenol	1.575	1.622	-3.0	88	0.00
11	bis(2-Chloroethyl)ether	1.126	1.177	-4.5	90	0.00
12	1,3-Dichlorobenzene	1.449	1.523	-5.1	90	0.00
13 C	1,4-Dichlorobenzene	1.462	1.527	-4.4	89	0.00
14	1,2-Dichlorobenzene	1.387	1.446	-4.3	89	0.00
15	Benzyl Alcohol	1.025	1.081	-5.5	91	0.00
16	2,2'-oxybis(1-Chloropropane	1.809	1.775	1.9	84	0.00
17	2-Methylphenol	0.982	1.023	-4.2	89	0.00
18	Hexachloroethane	0.511	0.544	-6.5	89	0.00
19 P	n-Nitroso-di-n-propylamine	0.824	0.852	-3.4	89	0.00
20	3+4-Methylphenols	1.224	1.289	-5.3	90	0.00
21 I	Naphthalene-d8	1.000	1.000	0.0	84	0.00
22	Acetophenone	0.441	0.450	-2.0	90	0.00
23 S	Nitrobenzene-d5	0.365	0.436	-19.5	104	0.00
24	Nitrobenzene	0.330	0.336	-1.8	88	0.00
25	Isophorone	0.585	0.582	0.5	88	0.00
26 C	2-Nitrophenol	0.180	0.189	-5.0	89	0.00
27	2,4-Dimethylphenol	0.311	0.316	-1.6	89	0.00
28	bis(2-Chloroethoxy)methane	0.372	0.374	-0.5	89	0.00
29 C	2,4-Dichlorophenol	0.282	0.292	-3.5	90	0.00
30	1,2,4-Trichlorobenzene	0.310	0.321	-3.5	90	0.00
31	Naphthalene	0.979	0.992	-1.3	89	0.00
32	Benzoic acid	0.159	0.156	1.9	84	0.00
33	4-Chloroaniline	0.398	0.399	-0.3	89	0.00
34 C	Hexachlorobutadiene	0.190	0.198	-4.2	90	0.00
35	Caprolactam	0.075	0.075	0.0	88	0.00
36 C	4-Chloro-3-methylphenol	0.281	0.281	0.0	88	0.00
37	2-Methylnaphthalene	0.607	0.607	0.0	88	0.00
38	1-Methylnaphthalene	0.628	0.631	-0.5	89	0.00
39 I	Acenaphthene-d10	1.000	1.000	0.0	82	0.00
40	1,2,4,5-Tetrachlorobenzene	0.590	0.618	-4.7	91	0.00
41 P	Hexachlorocyclopentadiene	0.335	0.325	3.0	79	0.00
42 S	2,4,6-Tribromophenol	0.206	0.207	-0.5	85	0.00
43 C	2,4,6-Trichlorophenol	0.385	0.392	-1.8	88	0.00
44	2,4,5-Trichlorophenol	0.405	0.421	-4.0	88	0.00
45 S	2-Fluorobiphenyl	1.522	1.795	-17.9	103	0.00
46	1,1'-Biphenyl	1.580	1.626	-2.9	88	0.00
47	2-Chloronaphthalene	1.186	1.221	-3.0	88	0.00

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF063025\
 Data File : BF142916.D
 Acq On : 30 Jun 2025 15:35
 Operator : RC/JU
 Sample : SSTDCCC040
 Misc :
 ALS Vial : 2 Sample Multiplier: 1

Instrument :
 BNA_F
 LabSampleId :
 SSTDCCC040

Quant Time: Jun 30 16:05:54 2025
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF061925.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Tue Jun 24 05:28:21 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	0.332	0.343	-3.3	86	0.00
49	Acenaphthylene	1.952	2.004	-2.7	88	0.00
50	Dimethylphthalate	1.295	1.343	-3.7	89	0.00
51	2,6-Dinitrotoluene	0.284	0.293	-3.2	86	0.00
52 C	Acenaphthene	1.191	1.224	-2.8	88	0.00
53	3-Nitroaniline	0.313	0.320	-2.2	87	0.00
54 P	2,4-Dinitrophenol	0.142	0.137	3.5	79	0.00
55	Dibenzofuran	1.708	1.735	-1.6	87	0.00
56 P	4-Nitrophenol	0.214	0.207	3.3	82	0.00
57	2,4-Dinitrotoluene	0.378	0.392	-3.7	87	0.00
58	Fluorene	1.334	1.357	-1.7	88	0.00
59	2,3,4,6-Tetrachlorophenol	0.326	0.332	-1.8	87	0.00
60	Diethylphthalate	1.269	1.310	-3.2	89	0.00
61	4-Chlorophenyl-phenylether	0.636	0.652	-2.5	89	0.00
62	4-Nitroaniline	0.286	0.291	-1.7	88	0.00
63	Azobenzene	1.134	1.143	-0.8	87	0.00
64 I	Phenanthrene-d10	1.000	1.000	0.0	79	0.00
65	4,6-Dinitro-2-methylphenol	0.121	0.128	-5.8	85	0.00
66 c	n-Nitrosodiphenylamine	0.693	0.733	-5.8	87	0.00
67	4-Bromophenyl-phenylether	0.228	0.244	-7.0	89	0.00
68	Hexachlorobenzene	0.253	0.265	-4.7	87	0.00
69	Atrazine	0.179	0.197	-10.1	90	0.00
70 C	Pentachlorophenol	0.126	0.124	1.6	78	0.00
71	Phenanthrene	1.083	1.115	-3.0	86	0.00
72	Anthracene	1.111	1.158	-4.2	86	0.00
73	Carbazole	0.959	0.985	-2.7	87	0.00
74	Di-n-butylphthalate	0.999	1.089	-9.0	91	0.00
75 C	Fluoranthene	1.028	1.021	0.7	85	0.00
76 I	Chrysene-d12	1.000	1.000	0.0	84	0.00
77	Benzydine	0.751	0.746	0.7	81	0.00
78	Pyrene	1.875	1.763	6.0	85	0.00
79 S	Terphenyl-d14	1.447	1.557	-7.6	98	0.00
80	Butylbenzylphthalate	0.544	0.614	-12.9	94	0.00
81	Benzo(a)anthracene	1.349	1.401	-3.9	93	0.00
82	3,3'-Dichlorobenzidine	0.438	0.480	-9.6	94	0.00
83	Chrysene	1.204	1.237	-2.7	89	0.00
84	Bis(2-ethylhexyl)phthalate	0.782	0.891	-13.9	93	0.00
85 c	Di-n-octyl phthalate	1.475	1.586	-7.5	91	0.00
86 I	Perylene-d12	1.000	1.000	0.0	82	0.00
87	Indeno(1,2,3-cd)pyrene	1.523	1.515	0.5	84	0.00
88	Benzo(b)fluoranthene	1.157	1.202	-3.9	91	0.00
89	Benzo(k)fluoranthene	1.083	1.109	-2.4	87	0.00
90 C	Benzo(a)pyrene	1.118	1.174	-5.0	90	0.00
91	Dibenzo(a,h)anthracene	1.238	1.239	-0.1	86	0.00
92	Benzo(g,h,i)perylene	1.234	1.215	1.5	83	0.00

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF063025\
Data File : BF142916.D
Acq On : 30 Jun 2025 15:35
Operator : RC/JU
Sample : SSTDCCC040
Misc :
ALS Vial : 2 Sample Multiplier: 1

Instrument :
BNA_F
LabSampleId :
SSTDCCC040

Quant Time: Jun 30 16:05:54 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF061925.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Tue Jun 24 05:28:21 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\BF063025\
 Data File : BF142916.D
 Acq On : 30 Jun 2025 15:35
 Operator : RC/JU
 Sample : SSTDCCC040
 Misc :
 ALS Vial : 2 Sample Multiplier: 1

Instrument :
 BNA_F
 LabSampleId :
 SSTDCCC040

Quant Time: Jun 30 16:05:54 2025
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF061925.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Tue Jun 24 05:28:21 2025
 Response via : Initial Calibration

Min. RRF : 0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.50min
 Max. RRF Dev : 25% Max. Rel. Area : 150%

	Compound	Amount	Calc.	%Dev	Area%	Dev(min)
1 I	1,4-Dichlorobenzene-d4	20.000	20.000	0.0	82	0.00
2	1,4-Dioxane	40.000	40.744	-1.9	87	-0.02
3	Pyridine	40.000	40.912	-2.3	87	-0.02
4	n-Nitrosodimethylamine	40.000	40.071	-0.2	86	-0.01
5 S	2-Fluorophenol	80.000	83.813	-4.8	90	0.00
6	Aniline	40.000	40.693	-1.7	86	0.00
7 S	Phenol-d6	80.000	82.924	-3.7	90	0.00
8	2-Chlorophenol	40.000	42.119	-5.3	90	0.00
9	Benzaldehyde	40.000	35.648	10.9	81	0.00
10 C	Phenol	40.000	41.183	-3.0	88	0.00
11	bis(2-Chloroethyl)ether	40.000	41.808	-4.5	90	0.00
12	1,3-Dichlorobenzene	40.000	42.024	-5.1	90	0.00
13 C	1,4-Dichlorobenzene	40.000	41.776	-4.4	89	0.00
14	1,2-Dichlorobenzene	40.000	41.695	-4.2	89	0.00
15	Benzyl Alcohol	40.000	42.201	-5.5	91	0.00
16	2,2'-oxybis(1-Chloropropane	40.000	39.247	1.9	84	0.00
17	2-Methylphenol	40.000	41.669	-4.2	89	0.00
18	Hexachloroethane	40.000	42.555	-6.4	89	0.00
19 P	n-Nitroso-di-n-propylamine	40.000	41.351	-3.4	89	0.00
20	3+4-Methylphenols	40.000	42.100	-5.3	90	0.00
21 I	Naphthalene-d8	20.000	20.000	0.0	84	0.00
22	Acetophenone	40.000	40.834	-2.1	90	0.00
23 S	Nitrobenzene-d5	80.000	95.742	-19.7	104	0.00
24	Nitrobenzene	40.000	40.715	-1.8	88	0.00
25	Isophorone	40.000	39.816	0.5	88	0.00
26 C	2-Nitrophenol	40.000	41.980	-4.9	89	0.00
27	2,4-Dimethylphenol	40.000	40.653	-1.6	89	0.00
28	bis(2-Chloroethoxy)methane	40.000	40.233	-0.6	89	0.00
29 C	2,4-Dichlorophenol	40.000	41.355	-3.4	90	0.00
30	1,2,4-Trichlorobenzene	40.000	41.294	-3.2	90	0.00
31	Naphthalene	40.000	40.552	-1.4	89	0.00
32	Benzoic acid	40.000	39.368	1.6	84	0.00
33	4-Chloroaniline	40.000	40.137	-0.3	89	0.00
34 C	Hexachlorobutadiene	40.000	41.637	-4.1	90	0.00
35	Caprolactam	40.000	40.452	-1.1	88	0.00
36 C	4-Chloro-3-methylphenol	40.000	39.989	0.0	88	0.00
37	2-Methylnaphthalene	40.000	39.996	0.0	88	0.00
38	1-Methylnaphthalene	40.000	40.157	-0.4	89	0.00
39 I	Acenaphthene-d10	20.000	20.000	0.0	82	0.00
40	1,2,4,5-Tetrachlorobenzene	40.000	41.895	-4.7	91	0.00
41 P	Hexachlorocyclopentadiene	40.000	38.814	3.0	79	0.00
42 S	2,4,6-Tribromophenol	80.000	80.436	-0.5	85	0.00
43 C	2,4,6-Trichlorophenol	40.000	40.786	-2.0	88	0.00
44	2,4,5-Trichlorophenol	40.000	41.618	-4.0	88	0.00
45 S	2-Fluorobiphenyl	80.000	94.336	-17.9	103	0.00
46	1,1'-Biphenyl	40.000	41.166	-2.9	88	0.00
47	2-Chloronaphthalene	40.000	41.183	-3.0	88	0.00

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF063025\
 Data File : BF142916.D
 Acq On : 30 Jun 2025 15:35
 Operator : RC/JU
 Sample : SSTDCCC040
 Misc :
 ALS Vial : 2 Sample Multiplier: 1

Instrument :
 BNA_F
 LabSampleId :
 SSTDCCC040

Quant Time: Jun 30 16:05:54 2025
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF061925.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Tue Jun 24 05:28:21 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	41.244	-3.1	86	0.00
49	Acenaphthylene	40.000	41.068	-2.7	88	0.00
50	Dimethylphthalate	40.000	41.484	-3.7	89	0.00
51	2,6-Dinitrotoluene	40.000	41.159	-2.9	86	0.00
52 C	Acenaphthene	40.000	41.105	-2.8	88	0.00
53	3-Nitroaniline	40.000	40.913	-2.3	87	0.00
54 P	2,4-Dinitrophenol	40.000	38.487	3.8	79	0.00
55	Dibenzofuran	40.000	40.643	-1.6	87	0.00
56 P	4-Nitrophenol	40.000	38.689	3.3	82	0.00
57	2,4-Dinitrotoluene	40.000	41.557	-3.9	87	0.00
58	Fluorene	40.000	40.709	-1.8	88	0.00
59	2,3,4,6-Tetrachlorophenol	40.000	40.661	-1.7	87	0.00
60	Diethylphthalate	40.000	41.290	-3.2	89	0.00
61	4-Chlorophenyl-phenylether	40.000	41.008	-2.5	89	0.00
62	4-Nitroaniline	40.000	40.676	-1.7	88	0.00
63	Azobenzene	40.000	40.310	-0.8	87	0.00
64 I	Phenanthrene-d10	20.000	20.000	0.0	79	0.00
65	4,6-Dinitro-2-methylphenol	40.000	42.233	-5.6	85	0.00
66 c	n-Nitrosodiphenylamine	40.000	42.302	-5.8	87	0.00
67	4-Bromophenyl-phenylether	40.000	42.895	-7.2	89	0.00
68	Hexachlorobenzene	40.000	41.926	-4.8	87	0.00
69	Atrazine	40.000	44.040	-10.1	90	0.00
70 C	Pentachlorophenol	40.000	39.257	1.9	78	0.00
71	Phenanthrene	40.000	41.176	-2.9	86	0.00
72	Anthracene	40.000	41.684	-4.2	86	0.00
73	Carbazole	40.000	41.086	-2.7	87	0.00
74	Di-n-butylphthalate	40.000	43.616	-9.0	91	0.00
75 C	Fluoranthene	40.000	39.709	0.7	85	0.00
76 I	Chrysene-d12	20.000	20.000	0.0	84	0.00
77	Benzydine	40.000	39.720	0.7	81	0.00
78	Pyrene	40.000	37.611	6.0	85	0.00
79 S	Terphenyl-d14	80.000	86.030	-7.5	98	0.00
80	Butylbenzylphthalate	40.000	45.169	-12.9	94	0.00
81	Benzo(a)anthracene	40.000	41.537	-3.8	93	0.00
82	3,3'-Dichlorobenzidine	40.000	43.894	-9.7	94	0.00
83	Chrysene	40.000	41.112	-2.8	89	0.00
84	Bis(2-ethylhexyl)phthalate	40.000	45.571	-13.9	93	0.00
85 c	Di-n-octyl phthalate	40.000	43.008	-7.5	91	0.00
86 I	Perylene-d12	20.000	20.000	0.0	82	0.00
87	Indeno(1,2,3-cd)pyrene	40.000	39.781	0.5	84	0.00
88	Benzo(b)fluoranthene	40.000	41.537	-3.8	91	0.00
89	Benzo(k)fluoranthene	40.000	40.964	-2.4	87	0.00
90 C	Benzo(a)pyrene	40.000	42.019	-5.0	90	0.00
91	Dibenzo(a,h)anthracene	40.000	40.047	-0.1	86	0.00
92	Benzo(g,h,i)perylene	40.000	39.387	1.5	83	0.00

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF063025\
Data File : BF142916.D
Acq On : 30 Jun 2025 15:35
Operator : RC/JU
Sample : SSTDCCC040
Misc :
ALS Vial : 2 Sample Multiplier: 1

Instrument :
BNA_F
LabSampleId :
SSTDCCC040

Quant Time: Jun 30 16:05:54 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF061925.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Tue Jun 24 05:28:21 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: CAMP02

Lab Code: CHEM Case No.: Q2436 SAS No.: Q2436 SDG No.: Q2436

Instrument ID: BNA_F Calibration Date/Time: 07/01/2025 10:47

Lab File ID: BF142941.D Init. Calib. Date(s): 06/19/2025 06/19/2025

EPA Sample No.: SSTDCCC040 Init. Calib. Time(s): 17:07 20:40

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

COMPOUND	RRF	RRF040	MIN RRF	%D	MAX%D
2-Fluorophenol	1.201	1.196		-0.4	
Benzaldehyde	0.841	0.981		16.6	
Phenol-d6	1.417	1.371		-3.2	
Phenol	1.575	1.539		-2.3	20.0
bis(2-Chloroethyl)ether	1.126	1.074		-4.6	
2-Chlorophenol	1.296	1.271		-1.9	
2-Methylphenol	0.982	0.943		-4.0	
2,2-oxybis(1-Chloropropane)	1.809	1.620		-10.4	
Acetophenone	0.441	0.440		-0.2	
3+4-Methylphenols	1.224	1.200		-2.0	
n-Nitroso-di-n-propylamine	0.824	0.752	0.050	-8.7	
Nitrobenzene-d5	0.365	0.388		6.3	
Hexachloroethane	0.511	0.499		-2.3	
Nitrobenzene	0.330	0.317		-3.9	
Isophorone	0.585	0.543		-7.2	
2-Nitrophenol	0.180	0.182		1.1	20.0
2,4-Dimethylphenol	0.311	0.298		-4.2	
bis(2-Chloroethoxy)methane	0.372	0.351		-5.6	
2,4-Dichlorophenol	0.282	0.278		-1.4	20.0
Naphthalene	0.979	0.962		-1.7	
4-Chloroaniline	0.398	0.373		-6.3	
Hexachlorobutadiene	0.190	0.192		1.1	20.0
Caprolactam	0.075	0.066		-12.0	
4-Chloro-3-methylphenol	0.281	0.259		-7.8	20.0
2-Methylnaphthalene	0.607	0.581		-4.3	
Hexachlorocyclopentadiene	0.335	0.285	0.050	-14.9	
2,4,6-Trichlorophenol	0.385	0.386		0.3	20.0
2-Fluorobiphenyl	1.522	1.666		9.5	
2,4,5-Trichlorophenol	0.405	0.387		-4.4	
1,1-Biphenyl	1.580	1.580		0.0	
2-Chloronaphthalene	1.186	1.191		0.4	
2-Nitroaniline	0.332	0.310		-6.6	
Dimethylphthalate	1.295	1.215		-6.2	
Acenaphthylene	1.952	1.921		-1.6	
2,6-Dinitrotoluene	0.284	0.270		-4.9	
3-Nitroaniline	0.313	0.286		-8.6	
Acenaphthene	1.191	1.163		-2.4	20.0
2,4-Dinitrophenol	0.142	0.118	0.050	-16.9	
4-Nitrophenol	0.214	0.170	0.050	-20.6	



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7C

SEMIVOLATILE CONTINUING CALIBRATION CHECK

Lab Name: CHEMTECH Contract: CAMP02

Lab Code: CHEM Case No.: Q2436 SAS No.: Q2436 SDG No.: Q2436

Instrument ID: BNA_F Calibration Date/Time: 07/01/2025 10:47

Lab File ID: BF142941.D Init. Calib. Date(s): 06/19/2025 06/19/2025

EPA Sample No.: SSTDCCC040 Init. Calib. Time(s): 17:07 20:40

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

COMPOUND	RRF	RRF040	MIN RRF	%D	MAX%D
Dibenzofuran	1.708	1.646		-3.6	
2,4-Dinitrotoluene	0.378	0.345		-8.7	
Diethylphthalate	1.269	1.171		-7.7	
4-Chlorophenyl-phenylether	0.636	0.605		-4.9	
Fluorene	1.334	1.252		-6.1	
4-Nitroaniline	0.286	0.264		-7.7	
4,6-Dinitro-2-methylphenol	0.121	0.115		-5.0	
n-Nitrosodiphenylamine	0.693	0.694		0.1	20.0
2,4,6-Tribromophenol	0.206	0.185		-10.2	
4-Bromophenyl-phenylether	0.228	0.233		2.2	
Hexachlorobenzene	0.253	0.254		0.4	
Atrazine	0.179	0.187		4.5	
Pentachlorophenol	0.126	0.106		-15.9	20.0
Phenanthrene	1.083	1.062		-1.9	
Anthracene	1.111	1.107		-0.4	
Carbazole	0.959	0.938		-2.2	
Di-n-butylphthalate	0.999	1.056		5.7	
Fluoranthene	1.028	1.022		-0.6	20.0
Pyrene	1.875	1.566		-16.5	
Terphenyl-d14	1.447	1.189		-17.8	
Butylbenzylphthalate	0.544	0.580		6.6	
3,3-Dichlorobenzidine	0.438	0.458		4.6	
Benzo (a) anthracene	1.349	1.288		-4.5	
Chrysene	1.204	1.192		-1.0	
Bis(2-ethylhexyl)phthalate	0.782	0.932		19.2	
Di-n-octyl phthalate	1.475	1.697		15.1	20.0
Benzo (b) fluoranthene	1.157	1.116		-3.5	
Benzo (k) fluoranthene	1.083	1.089		0.6	
Benzo (a) pyrene	1.118	1.105		-1.2	20.0
Indeno (1,2,3-cd) pyrene	1.523	1.413		-7.2	
Dibenzo (a,h) anthracene	1.238	1.151		-7.0	
Benzo (g,h,i) perylene	1.234	1.133		-8.2	
1,2,4,5-Tetrachlorobenzene	0.590	0.606		2.7	
1,4-Dioxane	0.480	0.455		-5.2	20.0
2,3,4,6-Tetrachlorophenol	0.326	0.292		-10.4	

All other compounds must meet a minimum RRF of 0.010.

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF070125\
 Data File : BF142941.D
 Acq On : 01 Jul 2025 10:47
 Operator : RC/JU
 Sample : SSTDCCC040
 Misc :
 ALS Vial : 2 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 SSTDCCC040

Quant Time: Jul 01 11:49:59 2025
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF061925.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Tue Jun 24 05:28:21 2025
 Response via : Initial Calibration

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

Internal Standards						
1) 1,4-Dichlorobenzene-d4	6.875	152	52800	20.000	ng	0.00
21) Naphthalene-d8	8.157	136	192179	20.000	ng	-0.01
39) Acenaphthene-d10	9.916	164	92751	20.000	ng	0.00
64) Phenanthrene-d10	11.404	188	139048	20.000	ng	0.00
76) Chrysene-d12	14.051	240	102522	20.000	ng	0.00
86) Perylene-d12	15.539	264	129198	20.000	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.487	112	252526	79.628	ng	0.00
7) Phenol-d6	6.504	99	289488	77.371	ng	0.00
23) Nitrobenzene-d5	7.439	82	298243	85.123	ng	0.00
42) 2,4,6-Tribromophenol	10.704	330	68661	71.936	ng	-0.01
45) 2-Fluorobiphenyl	9.233	172	618133	87.549	ng	-0.01
79) Terphenyl-d14	12.986	244	487482	65.699	ng	-0.01
Target Compounds						
						Qvalue
2) 1,4-Dioxane	2.610	88	48096	37.917	ng	99
3) Pyridine	3.381	79	116992	36.790	ng	99
4) n-Nitrosodimethylamine	3.328	42	61315	37.287	ng	99
6) Aniline	6.534	93	186473	37.456	ng	92
8) 2-Chlorophenol	6.657	128	134243	39.241	ng	99
9) Benzaldehyde	6.428	77	103612	46.677	ng	100
10) Phenol	6.516	94	162551	39.084	ng	99
11) bis(2-Chloroethyl)ether	6.610	93	113442	38.164	ng	97
12) 1,3-Dichlorobenzene	6.816	146	150416	39.315	ng	99
13) 1,4-Dichlorobenzene	6.892	146	152012	39.381	ng	99
14) 1,2-Dichlorobenzene	7.045	146	144573	39.488	ng	100
15) Benzyl Alcohol	7.016	79	103047	38.097	ng	99
16) 2,2'-oxybis(1-Chloropr...	7.145	45	171116	35.830	ng	93
17) 2-Methylphenol	7.128	107	99560	38.404	ng	99
18) Hexachloroethane	7.386	117	52714	39.043	ng	95
19) n-Nitroso-di-n-propyla...	7.286	70	79376	36.476	ng	99
20) 3+4-Methylphenols	7.281	107	126768	39.219	ng	96
22) Acetophenone	7.286	105	169276	39.943	ng	98
24) Nitrobenzene	7.457	77	121669	38.367	ng	98
25) Isophorone	7.698	82	208665	37.126	ng	99
26) 2-Nitrophenol	7.775	139	69947	40.491	ng	98
27) 2,4-Dimethylphenol	7.810	122	114696	38.331	ng	99
28) bis(2-Chloroethoxy)met...	7.904	93	134974	37.774	ng	99
29) 2,4-Dichlorophenol	8.016	162	106987	39.433	ng	99
30) 1,2,4-Trichlorobenzene	8.098	180	119210	39.958	ng	99
31) Naphthalene	8.181	128	369566	39.287	ng	100
32) Benzoic acid	7.910	122	52328	34.311	ng	98
33) 4-Chloroaniline	8.228	127	143249	37.451	ng	99
34) Hexachlorobutadiene	8.298	225	73934	40.514	ng	98
35) Caprolactam	8.592	113	25268	35.294	ng	94
36) 4-Chloro-3-methylphenol	8.710	107	99683	36.969	ng	100
37) 2-Methylnaphthalene	8.869	142	223291	38.288	ng	99
38) 1-Methylnaphthalene	8.969	142	228336	37.822	ng	99
40) 1,2,4,5-Tetrachloroben...	9.039	216	112325	41.043	ng	99
41) Hexachlorocyclopentadiene	9.022	237	52906	34.065	ng	98
43) 2,4,6-Trichlorophenol	9.151	196	71605	40.152	ng	99

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF070125\
 Data File : BF142941.D
 Acq On : 01 Jul 2025 10:47
 Operator : RC/JU
 Sample : SSTDCCC040
 Misc :
 ALS Vial : 2 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 SSTDCCC040

Quant Time: Jul 01 11:49:59 2025
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF061925.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Tue Jun 24 05:28:21 2025
 Response via : Initial Calibration

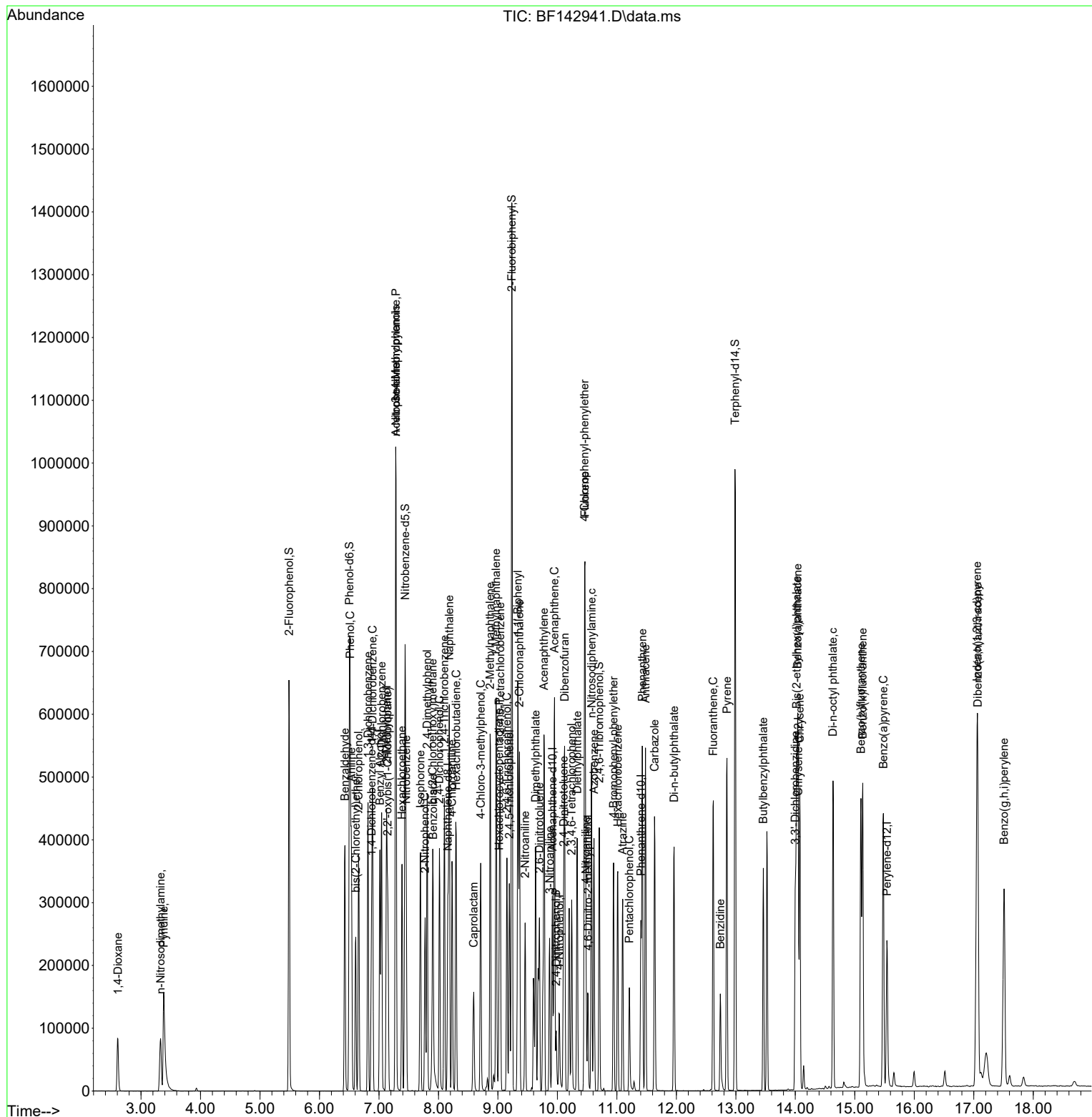
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
44) 2,4,5-Trichlorophenol	9.192	196	71728	38.208	ng	99
46) 1,1'-Biphenyl	9.333	154	293133	40.008	ng	100
47) 2-Chloronaphthalene	9.363	162	220890	40.175	ng	99
48) 2-Nitroaniline	9.457	65	57546	37.332	ng	97
49) Acenaphthylene	9.775	152	356312	39.366	ng	99
50) Dimethylphthalate	9.633	163	225413	37.545	ng	100
51) 2,6-Dinitrotoluene	9.698	165	50146	38.033	ng	96
52) Acenaphthene	9.951	154	215725	39.064	ng	98
53) 3-Nitroaniline	9.869	138	53126	36.596	ng	100
54) 2,4-Dinitrophenol	9.980	184	21902	33.175	ng	97
55) Dibenzofuran	10.122	168	305343	38.558	ng	99
56) 4-Nitrophenol	10.033	139	31494	31.690	ng	98
57) 2,4-Dinitrotoluene	10.104	165	64015	36.552	ng	98
58) Fluorene	10.463	166	232186	37.542	ng	100
59) 2,3,4,6-Tetrachlorophenol	10.239	232	54162	35.793	ng	100
60) Diethylphthalate	10.333	149	217208	36.898	ng	100
61) 4-Chlorophenyl-phenyle...	10.457	204	112139	37.998	ng	99
62) 4-Nitroaniline	10.480	138	48891	36.825	ng	98
63) Azobenzene	10.616	77	190824	36.270	ng	97
65) 4,6-Dinitro-2-methylph...	10.516	198	31907	37.937	ng	99
66) n-Nitrosodiphenylamine	10.574	169	192909	40.030	ng	99
67) 4-Bromophenyl-phenylether	10.945	248	64752	40.918	ng	96
68) Hexachlorobenzene	11.016	284	70683	40.197	ng	97
69) Atrazine	11.098	200	51920	41.722	ng	97
70) Pentachlorophenol	11.210	266	29603	33.785	ng	98
71) Phenanthrene	11.427	178	295227	39.195	ng	100
72) Anthracene	11.480	178	307903	39.858	ng	100
73) Carbazole	11.633	167	260992	39.151	ng	100
74) Di-n-butylphthalate	11.963	149	293579	42.274	ng	99
75) Fluoranthene	12.621	202	284289	39.769	ng	100
77) Benzidine	12.739	184	98235	25.503	ng	100
78) Pyrene	12.851	202	321169	33.421	ng	100
80) Butylbenzylphthalate	13.463	149	118958	42.675	ng	96
81) Benzo(a)anthracene	14.039	228	264117	38.188	ng	100
82) 3,3'-Dichlorobenzidine	13.998	252	93910	41.862	ng	100
83) Chrysene	14.074	228	244511	39.620	ng	100
84) Bis(2-ethylhexyl)phtha...	14.021	149	191031	47.631	ng	100
85) Di-n-octyl phthalate	14.633	149	348013	46.018	ng	99
87) Indeno(1,2,3-cd)pyrene	17.056	276	365045	37.095	ng	98
88) Benzo(b)fluoranthene	15.104	252	288412	38.579	ng	100
89) Benzo(k)fluoranthene	15.133	252	281267	40.214	ng	99
90) Benzo(a)pyrene	15.480	252	285559	39.539	ng	98
91) Dibenzo(a,h)anthracene	17.068	278	297390	37.193	ng	98
92) Benzo(g,h,i)perylene	17.509	276	292786	36.721	ng	99

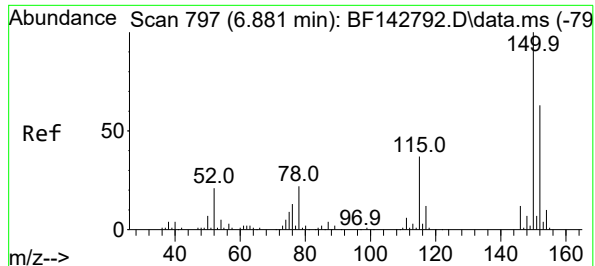
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Data File : BF142941.D  
Acq On    : 01 Jul 2025   10:47  
Operator  : RC/JU  
Sample    : SSTDCCC040  
Misc      :  
ALS Vial  : 2      Sample Multiplier: 1
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Instrument :
BNA_F
ClientSampleId :
SSTDCCC040

Quant Time: Jul 01 11:49:59 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF061925.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Tue Jun 24 05:28:21 2025
Response via : Initial Calibration

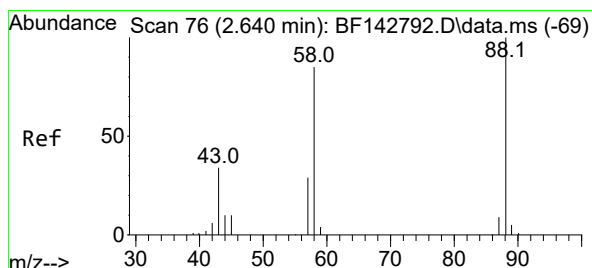
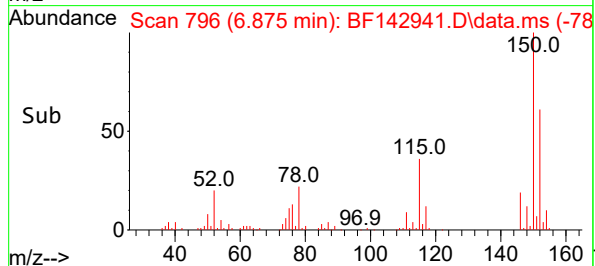
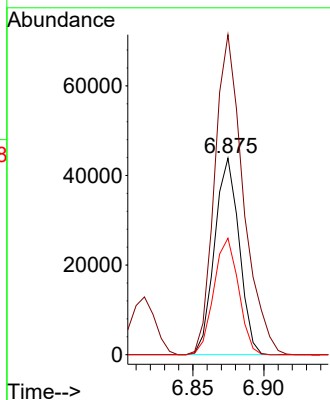
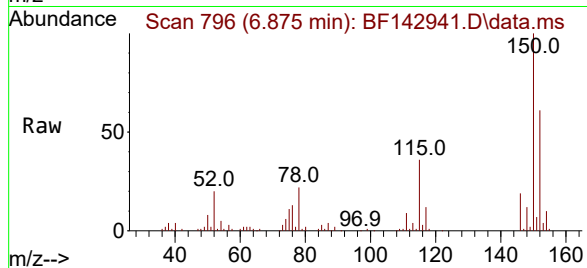




#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.875 min Scan# 79
Delta R.T. -0.006 min
Lab File: BF142941.D
Acq: 01 Jul 2025 10:47

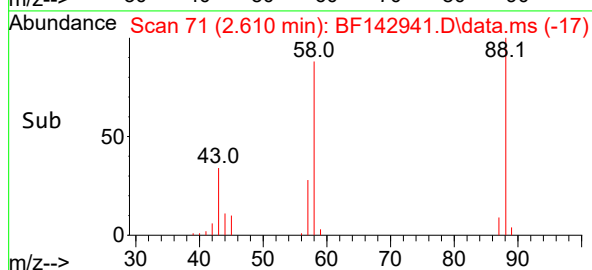
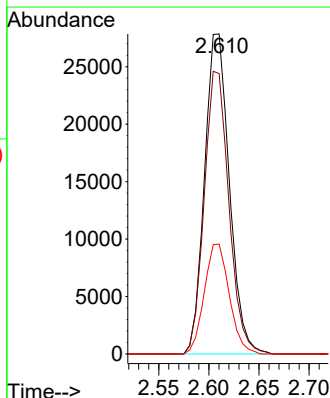
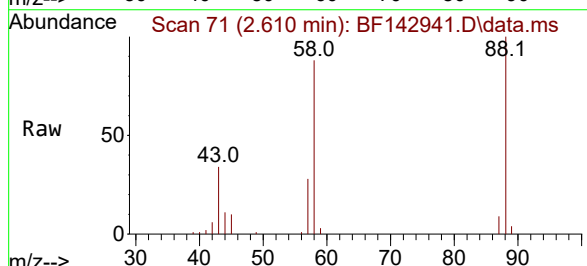
Instrument :
BNA_F
ClientSampleId :
SSTDCCC040

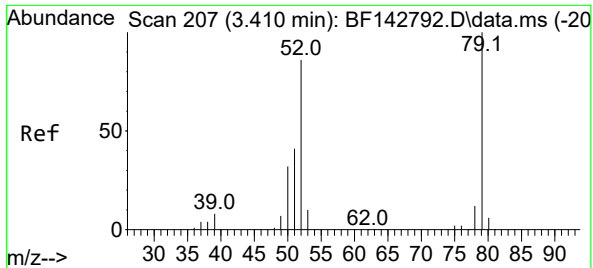
Tgt Ion:152 Resp: 52800
Ion Ratio Lower Upper
152 100
150 162.8 127.2 190.8
115 59.2 46.6 69.8



#2
1,4-Dioxane
Concen: 37.917 ng
RT: 2.610 min Scan# 71
Delta R.T. -0.029 min
Lab File: BF142941.D
Acq: 01 Jul 2025 10:47

Tgt Ion: 88 Resp: 48096
Ion Ratio Lower Upper
88 100
58 87.6 69.1 103.7
43 34.5 27.4 41.2

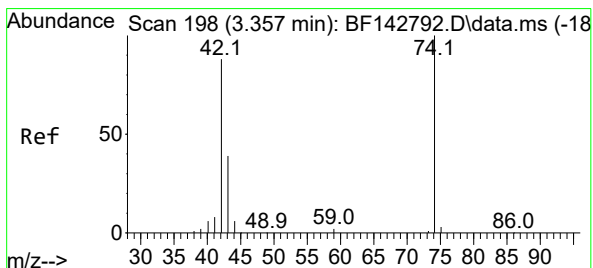
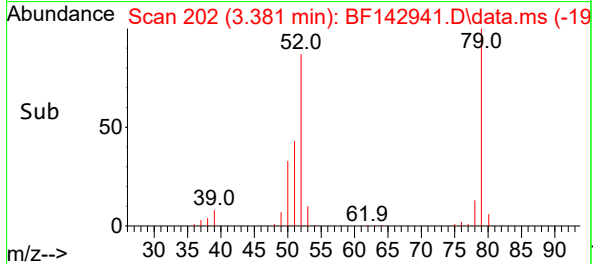
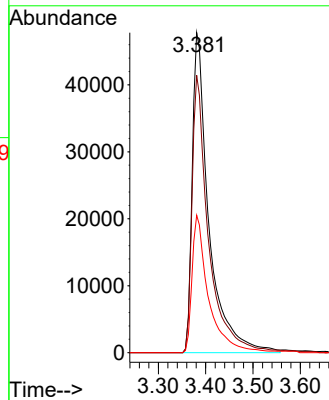
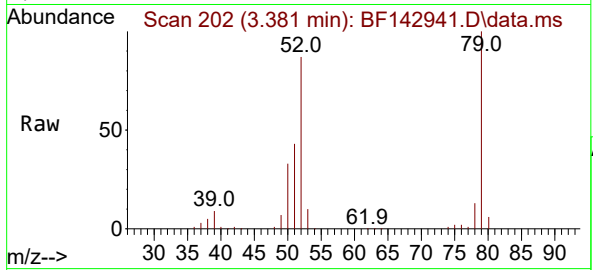




#3
Pyridine
Concen: 36.790 ng
RT: 3.381 min Scan# 207
Delta R.T. -0.029 min
Lab File: BF142941.D
Acq: 01 Jul 2025 10:47

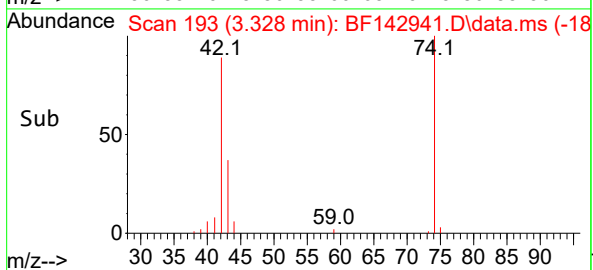
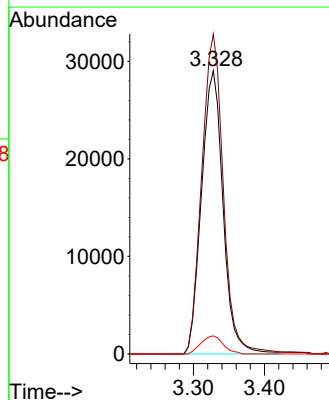
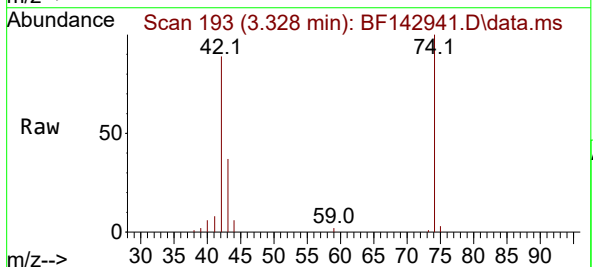
Instrument :
BNA_F
ClientSampleId :
SSTDCCC040

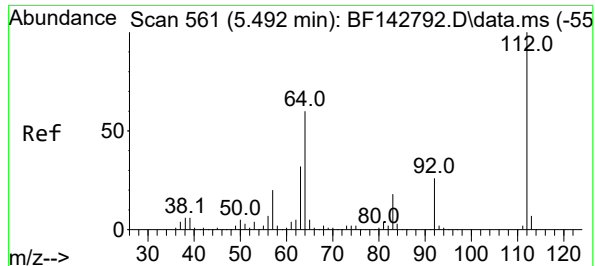
Tgt Ion: 79 Resp: 116992
Ion Ratio Lower Upper
79 100
52 86.7 69.2 103.8
51 42.9 33.2 49.8



#4
n-Nitrosodimethylamine
Concen: 37.287 ng
RT: 3.328 min Scan# 193
Delta R.T. -0.029 min
Lab File: BF142941.D
Acq: 01 Jul 2025 10:47

Tgt Ion: 42 Resp: 61315
Ion Ratio Lower Upper
42 100
74 113.0 90.9 136.3
44 6.4 5.8 8.6





#5

2-Fluorophenol

Concen: 79.628 ng

RT: 5.487 min Scan# 5

Delta R.T. -0.005 min

Lab File: BF142941.D

Acq: 01 Jul 2025 10:47

Instrument :

BNA_F

ClientSampleId :

SSTDCCC040

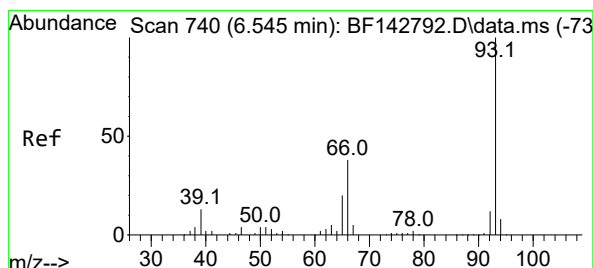
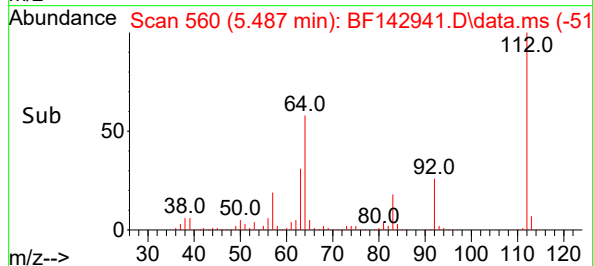
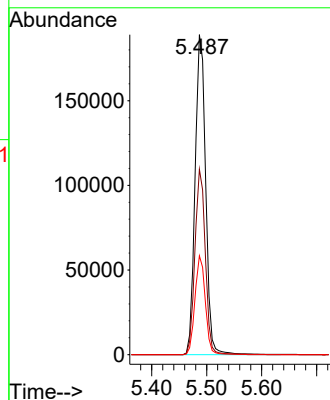
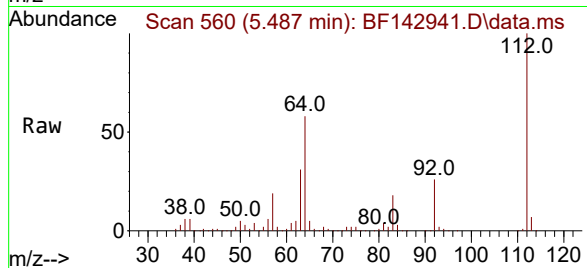
Tgt Ion:112 Resp: 252526

Ion Ratio Lower Upper

112 100

64 58.0 48.2 72.2

63 30.9 25.7 38.5



#6

Aniline

Concen: 37.456 ng

RT: 6.534 min Scan# 738

Delta R.T. -0.012 min

Lab File: BF142941.D

Acq: 01 Jul 2025 10:47

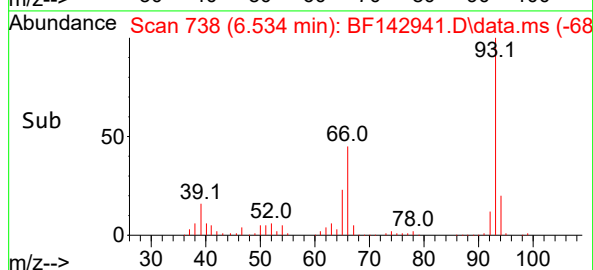
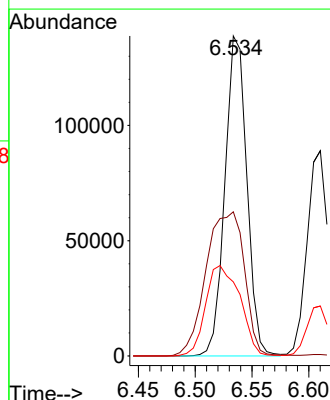
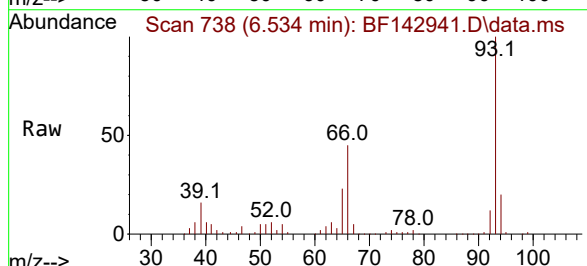
Tgt Ion: 93 Resp: 186473

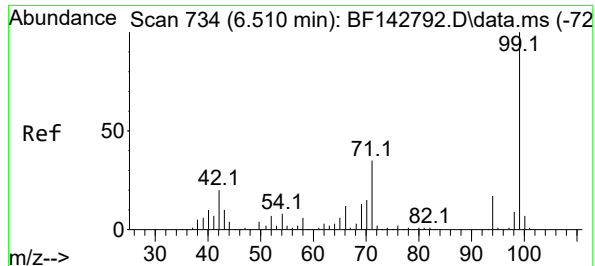
Ion Ratio Lower Upper

93 100

66 45.1 31.8 47.6

65 23.1 16.2 24.2

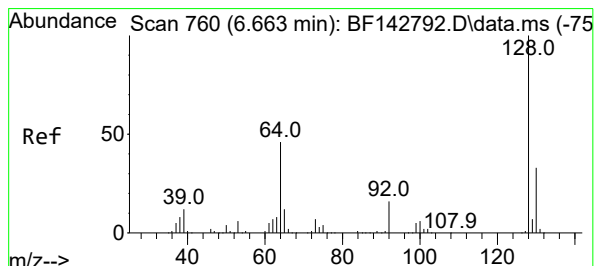
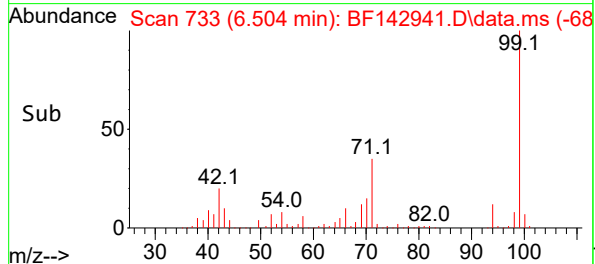
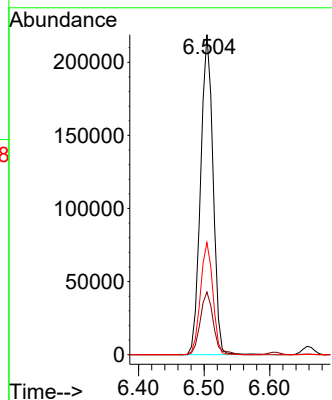
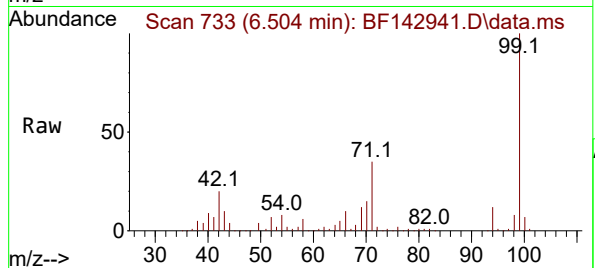




#7
Phenol-d6
Concen: 77.371 ng
RT: 6.504 min Scan# 711
Delta R.T. -0.006 min
Lab File: BF142941.D
Acq: 01 Jul 2025 10:47

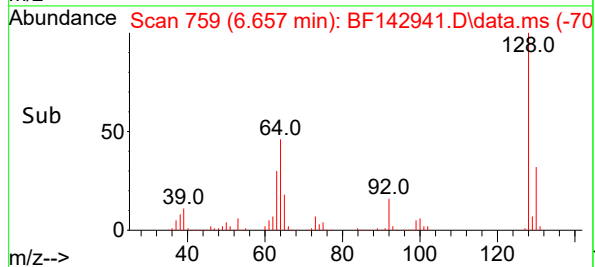
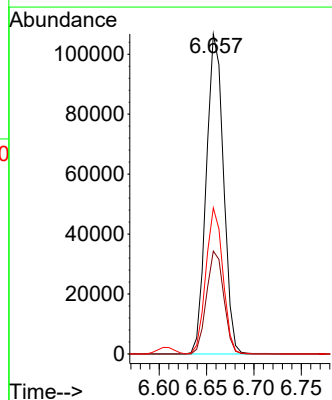
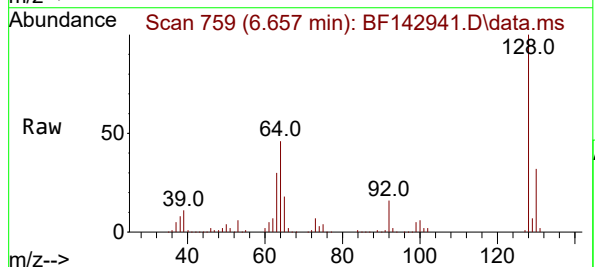
Instrument :
BNA_F
ClientSampleId :
SSTDCCC040

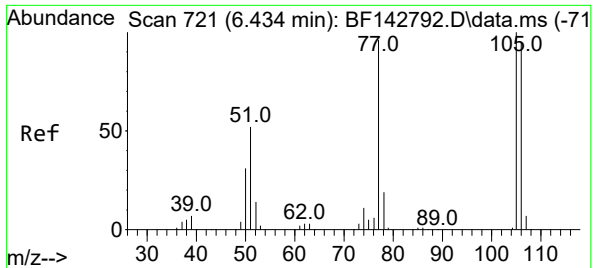
Tgt Ion: 99 Resp: 289488
Ion Ratio Lower Upper
99 100
42 19.6 15.9 23.9
71 35.0 27.8 41.8



#8
2-Chlorophenol
Concen: 39.241 ng
RT: 6.657 min Scan# 759
Delta R.T. -0.006 min
Lab File: BF142941.D
Acq: 01 Jul 2025 10:47

Tgt Ion: 128 Resp: 134243
Ion Ratio Lower Upper
128 100
130 32.2 12.7 52.7
64 45.7 26.5 66.5

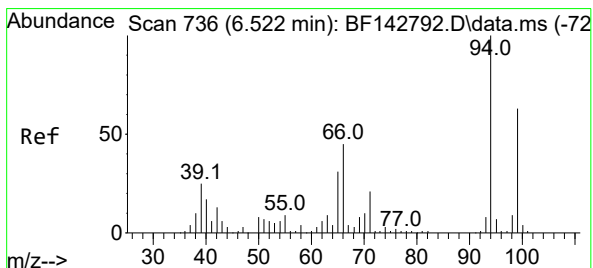
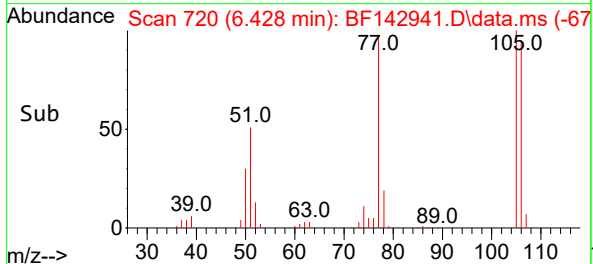
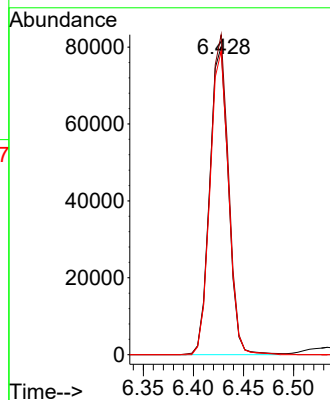
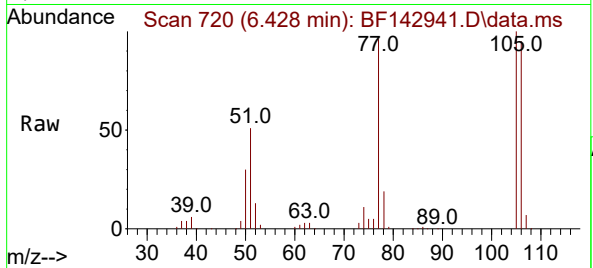




#9
Benzaldehyde
Concen: 46.677 ng
RT: 6.428 min Scan# 71
Delta R.T. -0.006 min
Lab File: BF142941.D
Acq: 01 Jul 2025 10:47

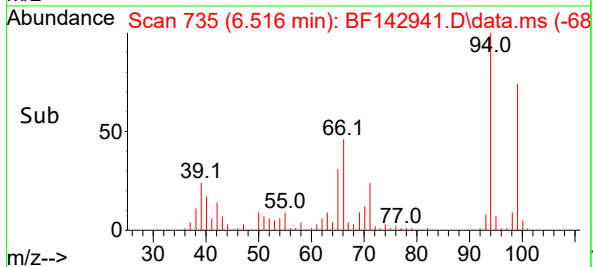
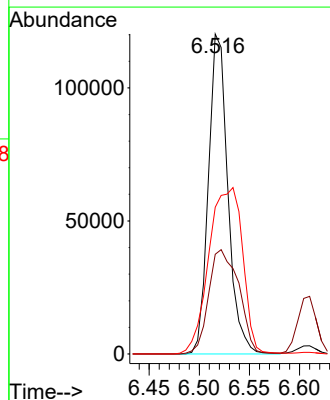
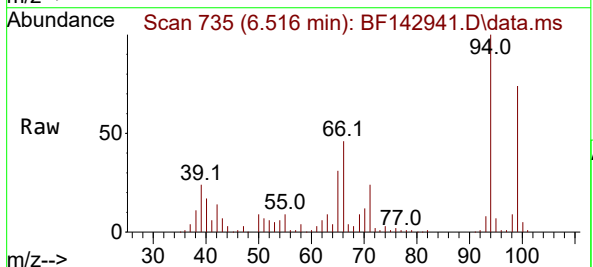
Instrument :
BNA_F
ClientSampleId :
SSTDCCC040

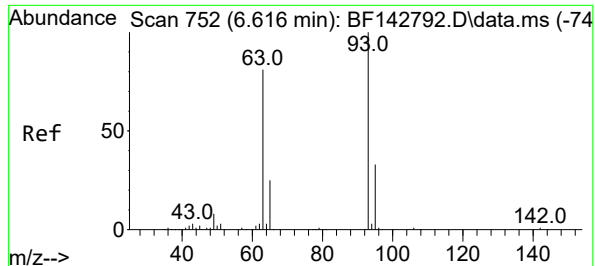
Tgt Ion: 77 Resp: 103612
Ion Ratio Lower Upper
77 100
105 103.9 83.8 123.8
106 98.6 78.7 118.7



#10
Phenol
Concen: 39.084 ng
RT: 6.516 min Scan# 735
Delta R.T. -0.006 min
Lab File: BF142941.D
Acq: 01 Jul 2025 10:47

Tgt Ion: 94 Resp: 162551
Ion Ratio Lower Upper
94 100
65 31.1 11.3 51.3
66 45.9 24.9 64.9

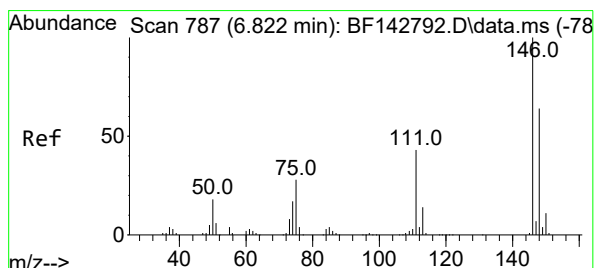
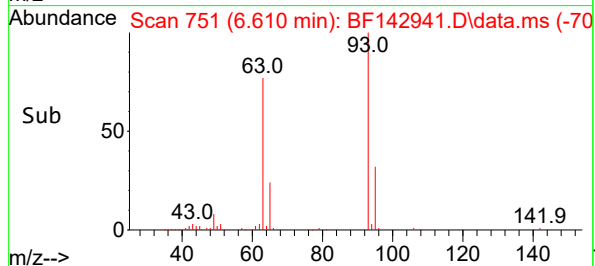
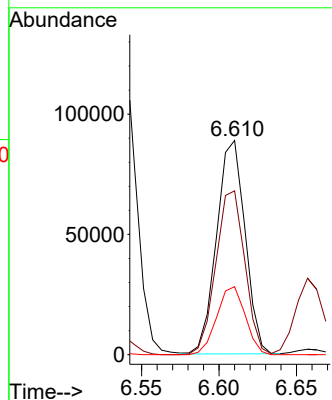
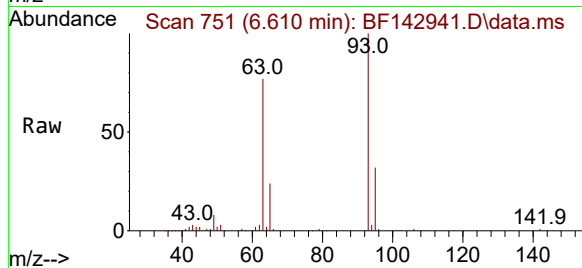




#11
bis(2-Chloroethyl)ether
Concen: 38.164 ng
RT: 6.610 min Scan# 751
Delta R.T. -0.006 min
Lab File: BF142941.D
Acq: 01 Jul 2025 10:47

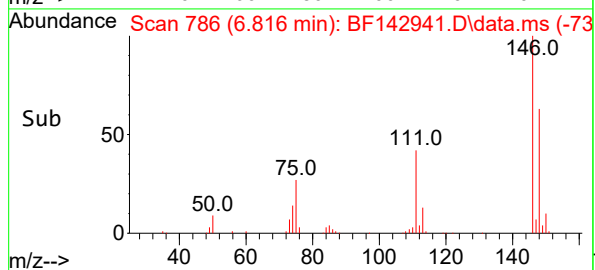
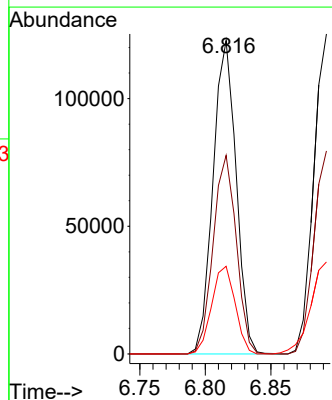
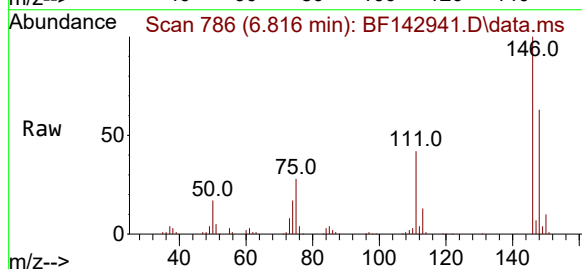
Instrument :
BNA_F
ClientSampleId :
SSTDCCC040

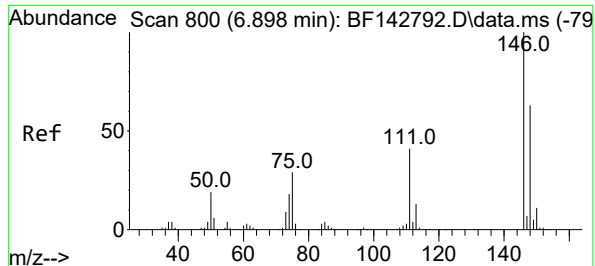
Tgt Ion: 93 Resp: 113442
Ion Ratio Lower Upper
93 100
63 76.5 60.3 100.3
95 31.8 12.5 52.5



#12
1,3-Dichlorobenzene
Concen: 39.315 ng
RT: 6.816 min Scan# 786
Delta R.T. -0.006 min
Lab File: BF142941.D
Acq: 01 Jul 2025 10:47

Tgt Ion:146 Resp: 150416
Ion Ratio Lower Upper
146 100
148 63.4 51.1 76.7
75 28.0 22.7 34.1





#13

1,4-Dichlorobenzene

Concen: 39.381 ng

RT: 6.892 min Scan# 79

Delta R.T. -0.006 min

Lab File: BF142941.D

Acq: 01 Jul 2025 10:47

Instrument :

BNA_F

ClientSampleId :

SSTDCCC040

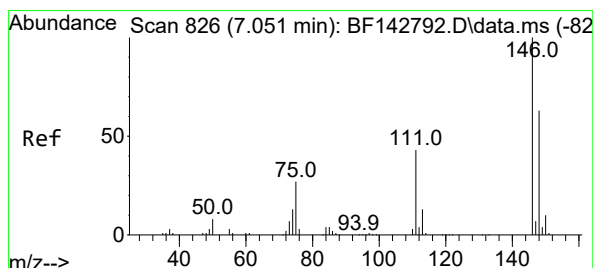
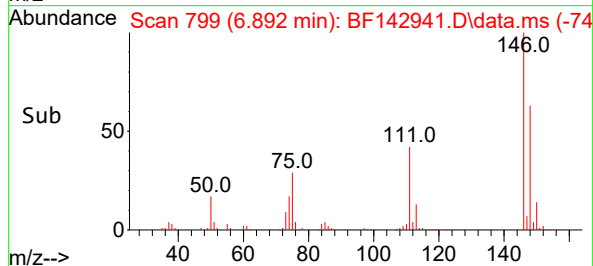
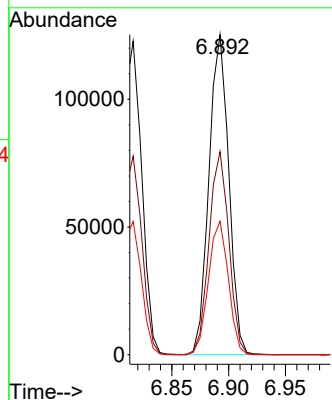
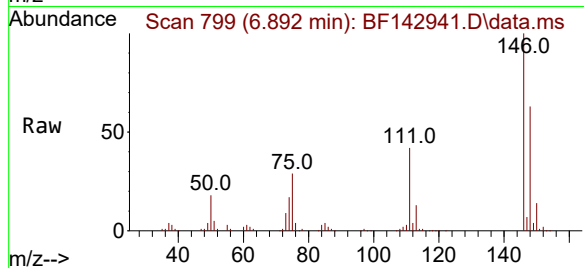
Tgt Ion:146 Resp: 152012

Ion Ratio Lower Upper

146 100

148 63.4 50.2 75.2

111 41.7 33.2 49.8



#14

1,2-Dichlorobenzene

Concen: 39.488 ng

RT: 7.045 min Scan# 825

Delta R.T. -0.006 min

Lab File: BF142941.D

Acq: 01 Jul 2025 10:47

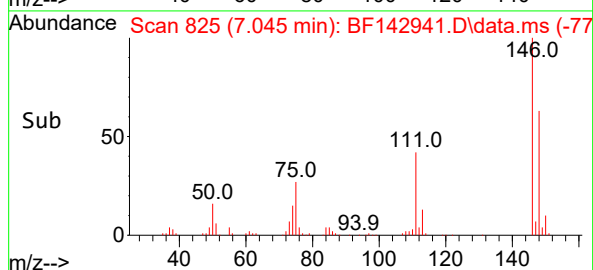
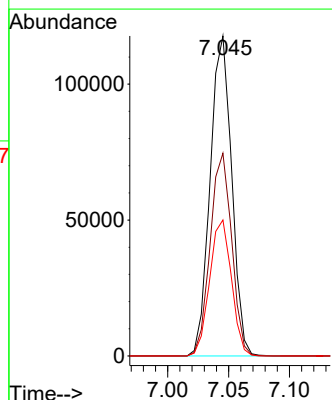
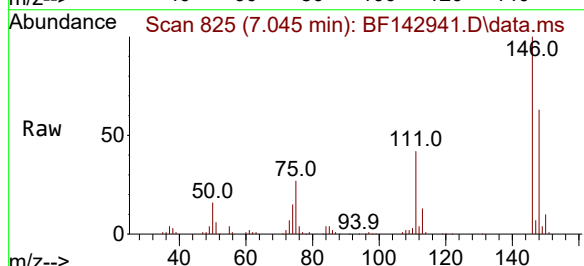
Tgt Ion:146 Resp: 144573

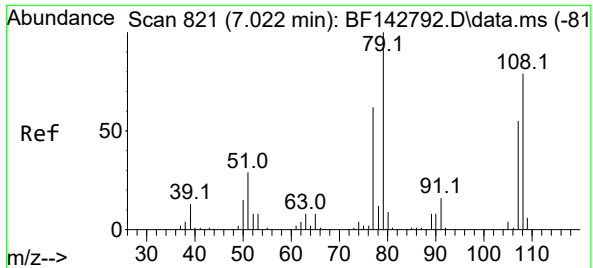
Ion Ratio Lower Upper

146 100

148 63.4 50.4 75.6

111 42.5 34.1 51.1





#15

Benzyl Alcohol

Concen: 38.097 ng

RT: 7.016 min Scan# 81

Delta R.T. -0.006 min

Lab File: BF142941.D

Acq: 01 Jul 2025 10:47

Instrument :

BNA_F

ClientSampleId :

SSTDCCC040

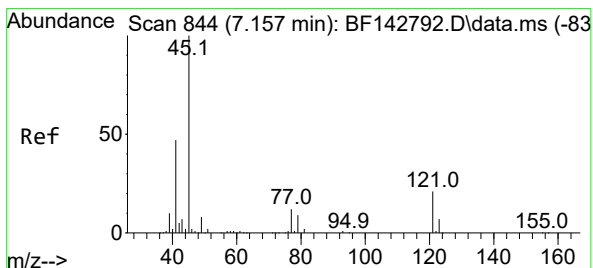
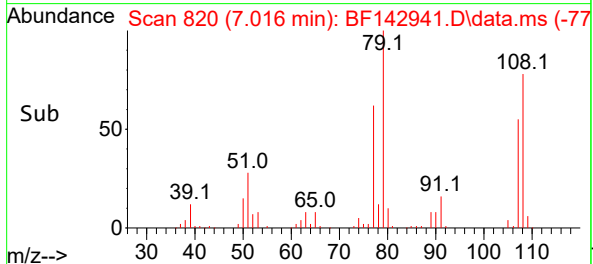
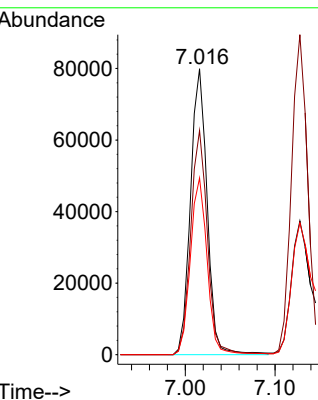
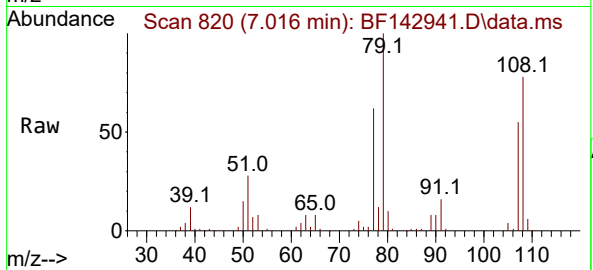
Tgt Ion: 79 Resp: 103047

Ion Ratio Lower Upper

79 100

108 78.4 63.4 95.0

77 61.8 49.5 74.3



#16

2,2'-oxybis(1-Chloropropane)

Concen: 35.830 ng

RT: 7.145 min Scan# 842

Delta R.T. -0.012 min

Lab File: BF142941.D

Acq: 01 Jul 2025 10:47

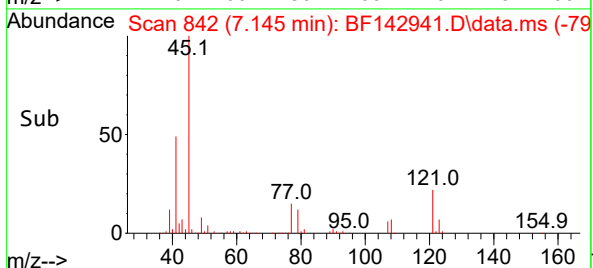
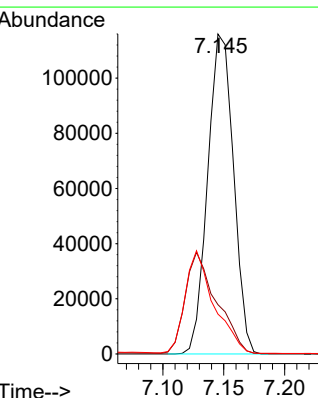
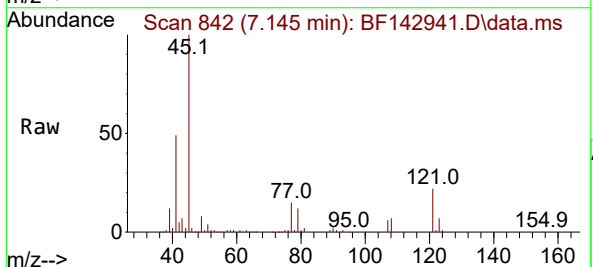
Tgt Ion: 45 Resp: 171116

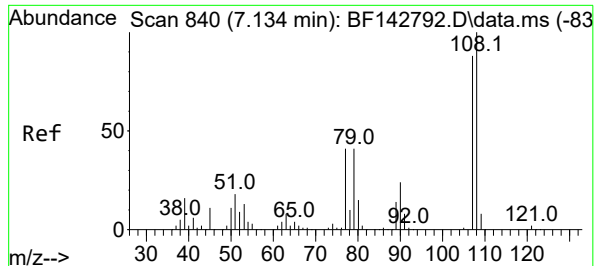
Ion Ratio Lower Upper

45 100

77 15.4 0.0 32.8

79 12.5 0.0 29.8

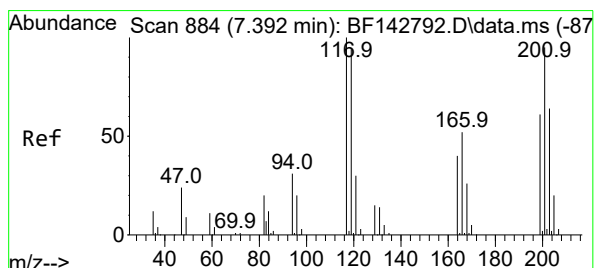
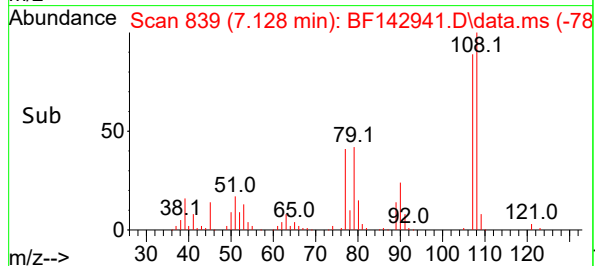
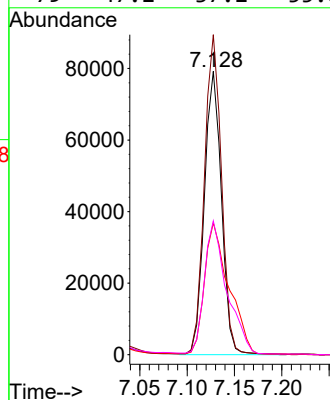
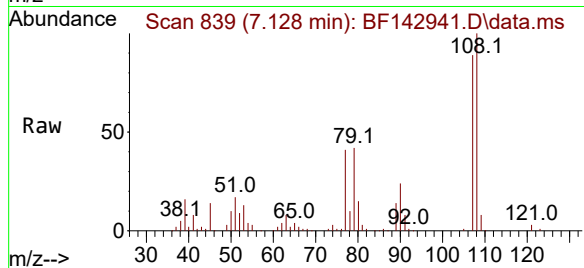




#17
2-Methylphenol
Concen: 38.404 ng
RT: 7.128 min Scan# 81
Delta R.T. -0.006 min
Lab File: BF142941.D
Acq: 01 Jul 2025 10:47

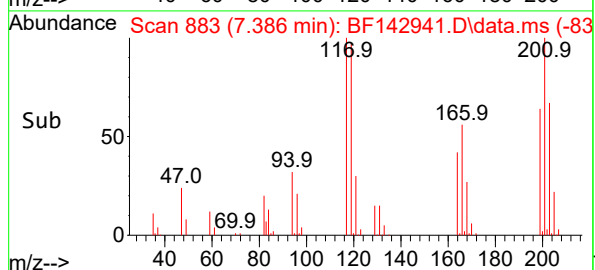
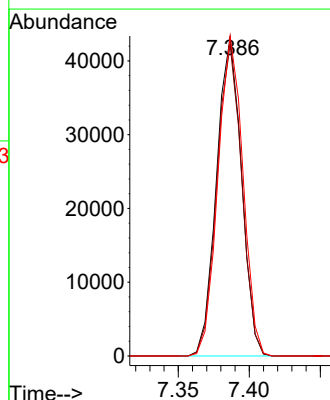
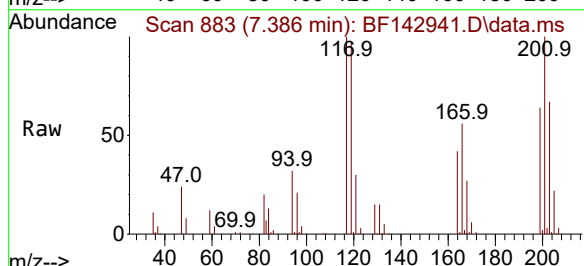
Instrument :
BNA_F
ClientSampleId :
SSTDCCC040

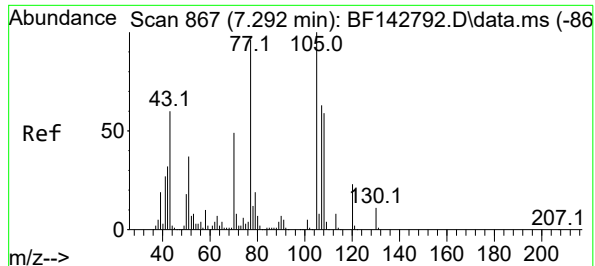
Tgt Ion:107 Resp: 99560
Ion Ratio Lower Upper
107 100
108 112.9 90.9 136.3
77 46.5 37.3 55.9
79 47.2 37.2 55.8



#18
Hexachloroethane
Concen: 39.043 ng
RT: 7.386 min Scan# 883
Delta R.T. -0.006 min
Lab File: BF142941.D
Acq: 01 Jul 2025 10:47

Tgt Ion:117 Resp: 52714
Ion Ratio Lower Upper
117 100
119 97.6 75.4 113.0
201 100.4 75.9 113.9





#19

n-Nitroso-di-n-propylamine

Concen: 36.476 ng

RT: 7.286 min Scan# 8

Delta R.T. -0.006 min

Lab File: BF142941.D

Acq: 01 Jul 2025 10:47

Instrument :

BNA_F

ClientSampleId :

SSTDCCC040

Tgt Ion: 70 Resp: 79376

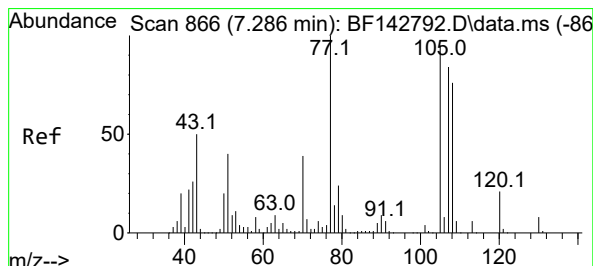
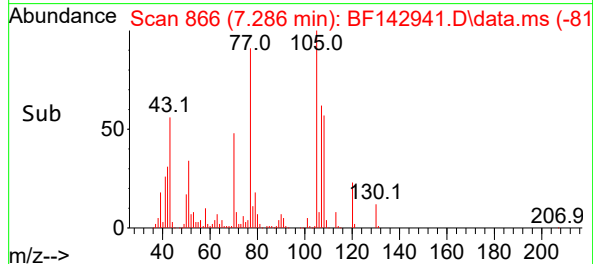
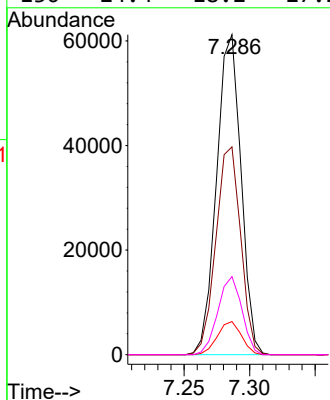
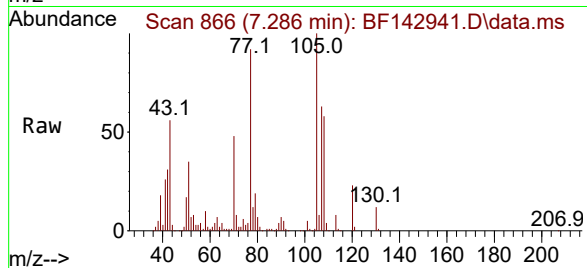
Ion Ratio Lower Upper

70 100

42 64.9 52.1 78.1

101 10.3 8.2 12.2

130 24.4 18.2 27.2



#20

3+4-Methylphenols

Concen: 39.219 ng

RT: 7.281 min Scan# 865

Delta R.T. -0.006 min

Lab File: BF142941.D

Acq: 01 Jul 2025 10:47

Tgt Ion:107 Resp: 126768

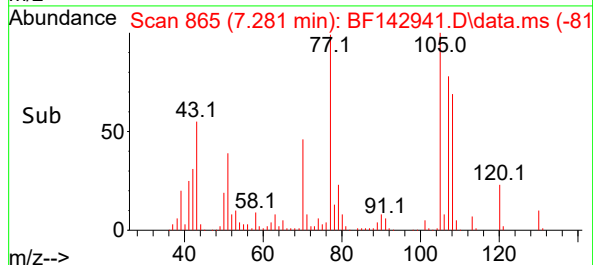
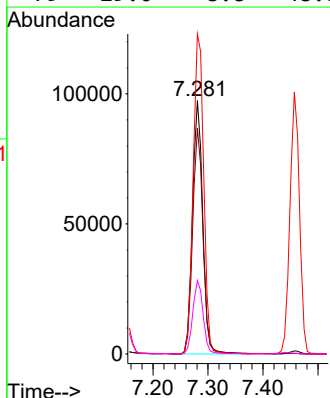
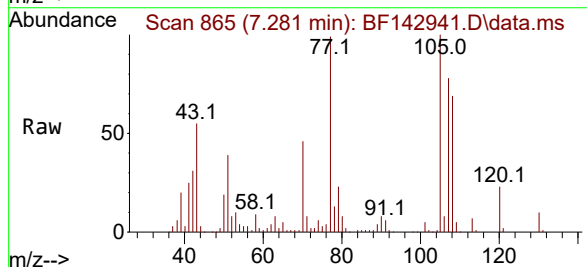
Ion Ratio Lower Upper

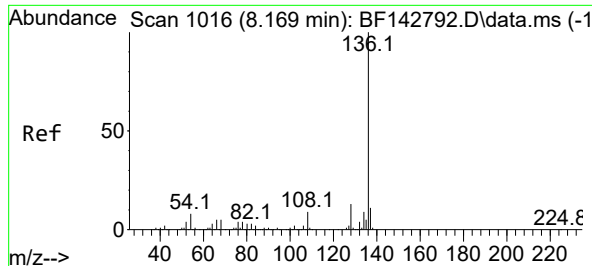
107 100

108 89.1 70.0 110.0

77 126.4 98.5 138.5

79 29.0 8.8 48.8





#21

Naphthalene-d8

Concen: 20.000 ng

RT: 8.157 min Scan# 1016

Delta R.T. -0.012 min

Lab File: BF142941.D

Acq: 01 Jul 2025 10:47

Instrument :

BNA_F

ClientSampleId :

SSTDCCC040

Tgt Ion:136 Resp: 192179

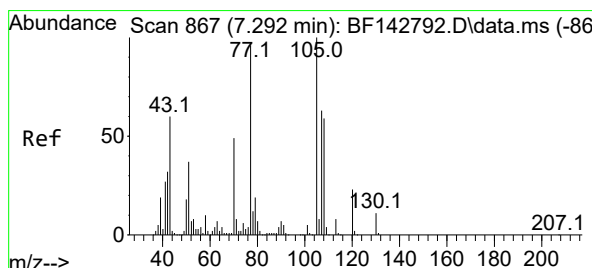
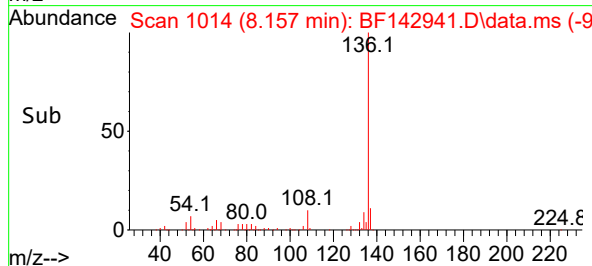
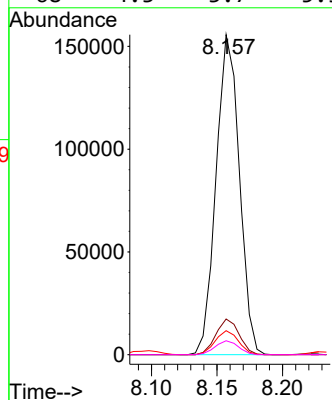
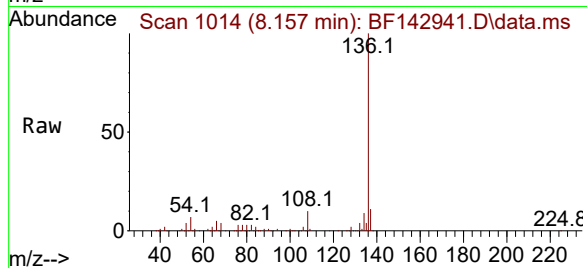
Ion Ratio Lower Upper

136 100

137 11.1 8.4 12.6

54 7.5 6.3 9.5

68 4.3 3.7 5.5



#22

Acetophenone

Concen: 39.943 ng

RT: 7.286 min Scan# 866

Delta R.T. -0.006 min

Lab File: BF142941.D

Acq: 01 Jul 2025 10:47

Tgt Ion:105 Resp: 169276

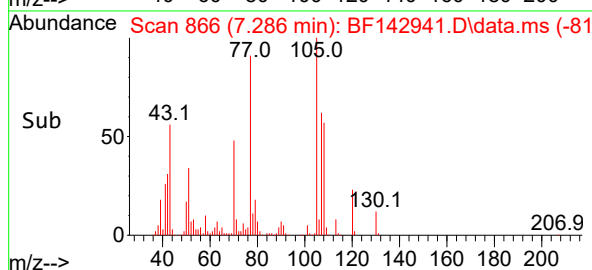
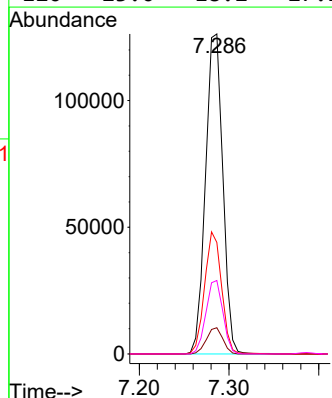
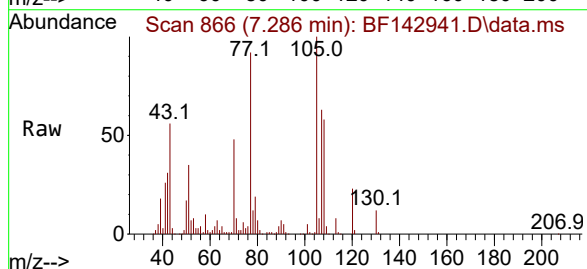
Ion Ratio Lower Upper

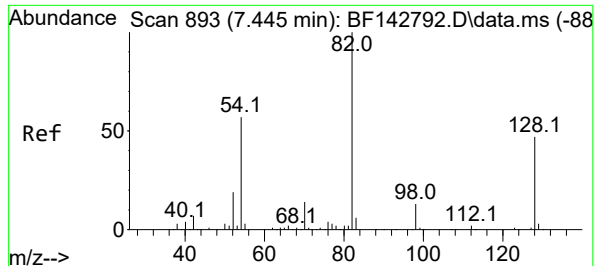
105 100

71 8.2 6.5 9.7

51 34.8 29.8 44.8

120 23.0 18.2 27.2





#23

Nitrobenzene-d5

Concen: 85.123 ng

RT: 7.439 min Scan# 891

Delta R.T. -0.006 min

Lab File: BF142941.D

Acq: 01 Jul 2025 10:47

Instrument :

BNA_F

ClientSampleId :

SSTDCCC040

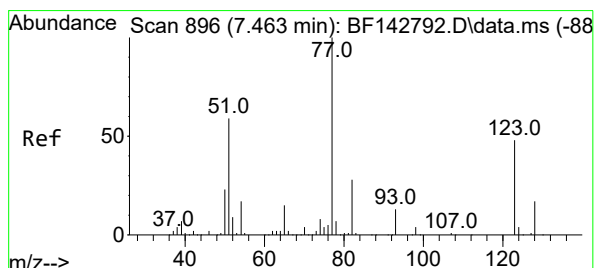
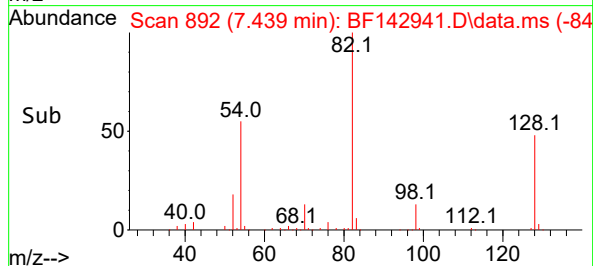
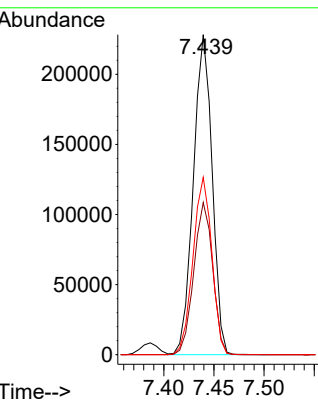
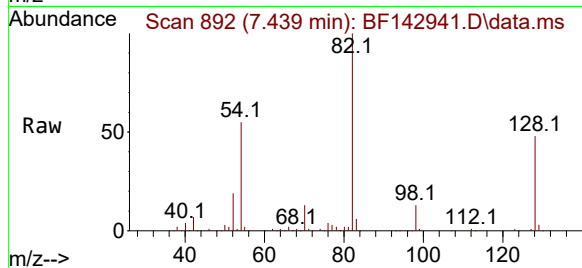
Tgt Ion: 82 Resp: 298243

Ion Ratio Lower Upper

82 100

128 47.6 37.7 56.5

54 55.4 45.7 68.5



#24

Nitrobenzene

Concen: 38.367 ng

RT: 7.457 min Scan# 895

Delta R.T. -0.006 min

Lab File: BF142941.D

Acq: 01 Jul 2025 10:47

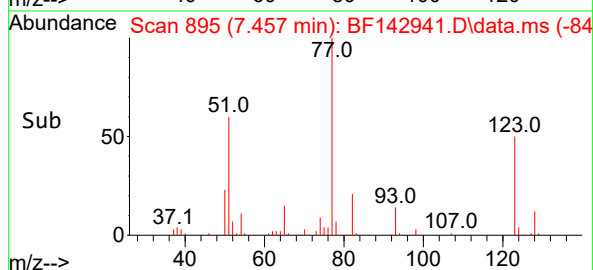
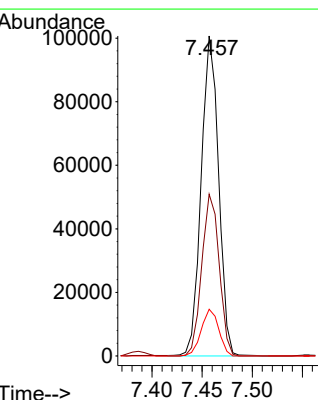
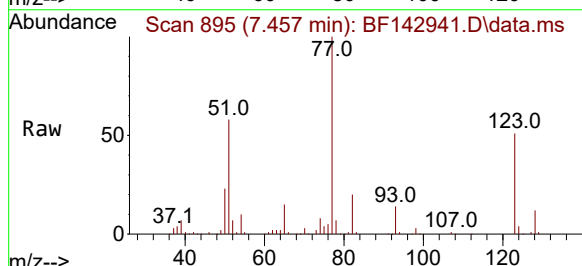
Tgt Ion: 77 Resp: 121669

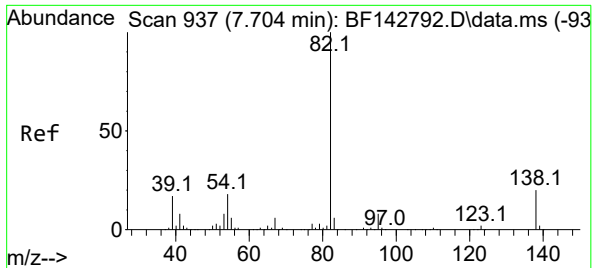
Ion Ratio Lower Upper

77 100

123 50.6 39.2 58.8

65 14.6 11.6 17.4

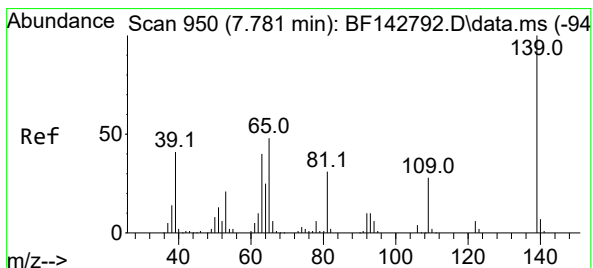
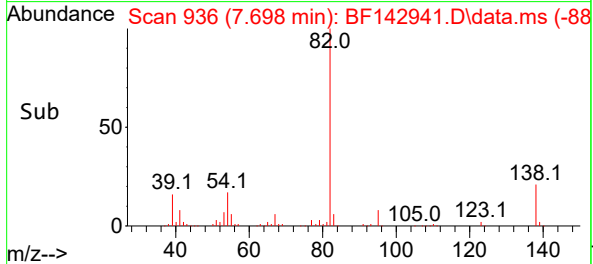
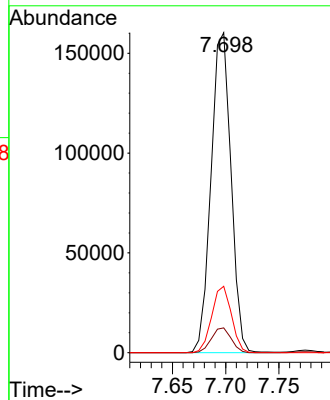
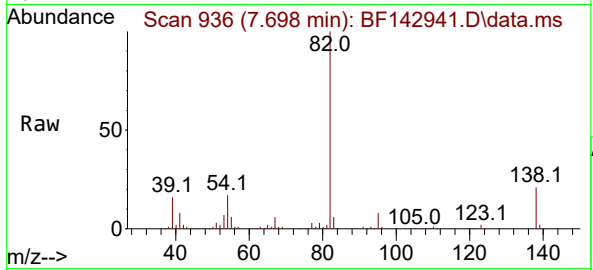




#25
Isophorone
Concen: 37.126 ng
RT: 7.698 min Scan# 91
Delta R.T. -0.006 min
Lab File: BF142941.D
Acq: 01 Jul 2025 10:47

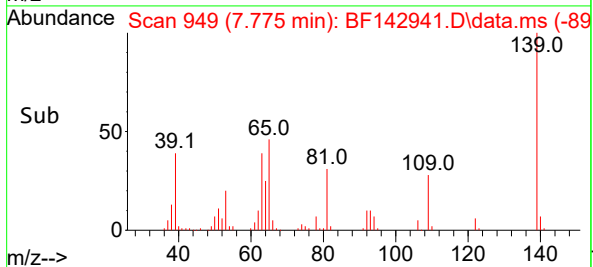
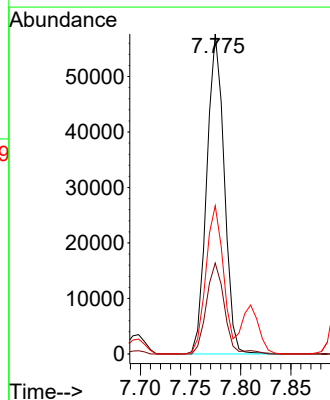
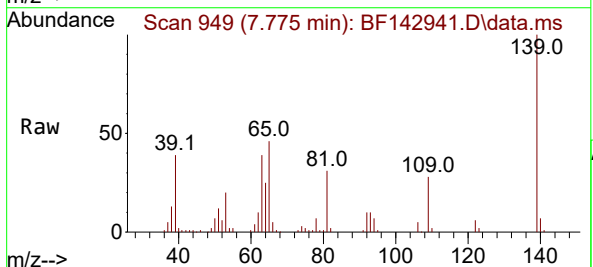
Instrument :
BNA_F
ClientSampleId :
SSTDCCC040

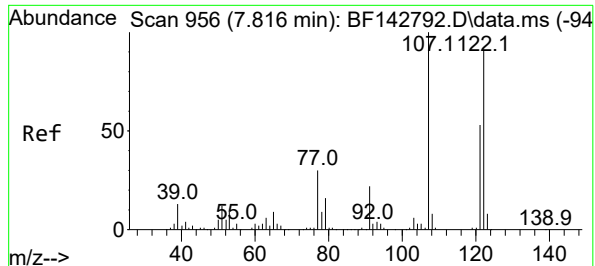
Tgt Ion: 82 Resp: 208665
Ion Ratio Lower Upper
82 100
95 7.7 6.2 9.2
138 20.7 16.2 24.4



#26
2-Nitrophenol
Concen: 40.491 ng
RT: 7.775 min Scan# 949
Delta R.T. -0.006 min
Lab File: BF142941.D
Acq: 01 Jul 2025 10:47

Tgt Ion: 139 Resp: 69947
Ion Ratio Lower Upper
139 100
109 28.4 22.7 34.1
65 46.3 38.6 58.0





#27

2,4-Dimethylphenol

Concen: 38.331 ng

RT: 7.810 min Scan# 91

Delta R.T. -0.006 min

Lab File: BF142941.D

Acq: 01 Jul 2025 10:47

Instrument :

BNA_F

ClientSampleId :

SSTDCCC040

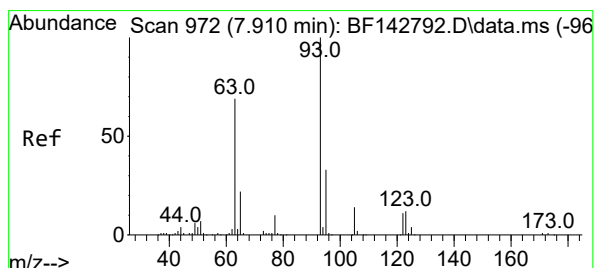
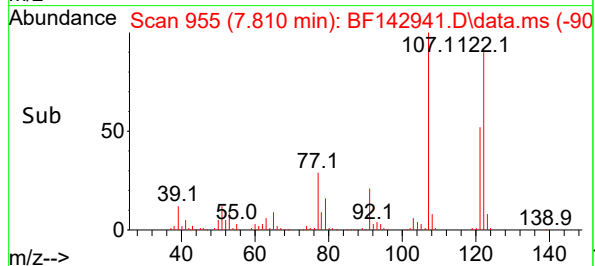
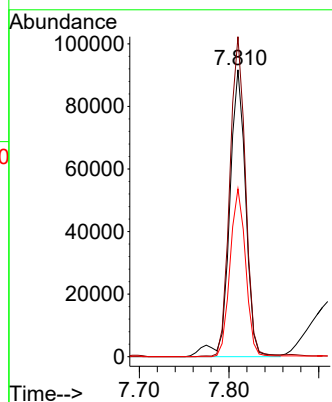
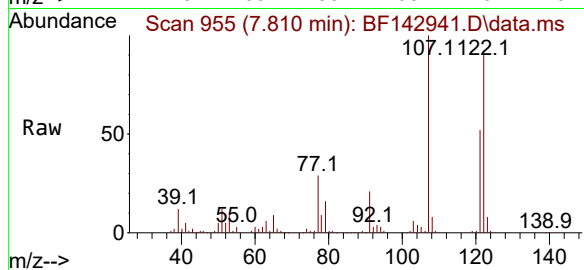
Tgt Ion:122 Resp: 114696

Ion Ratio Lower Upper

122 100

107 111.6 88.0 132.0

121 58.5 46.3 69.5



#28

bis(2-Chloroethoxy)methane

Concen: 37.774 ng

RT: 7.904 min Scan# 971

Delta R.T. -0.006 min

Lab File: BF142941.D

Acq: 01 Jul 2025 10:47

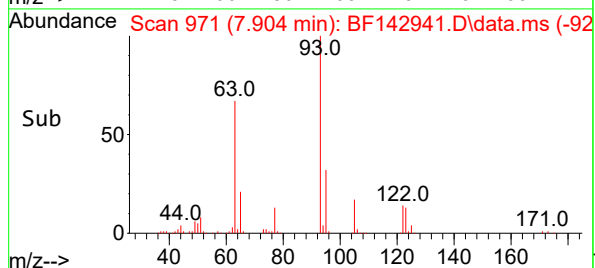
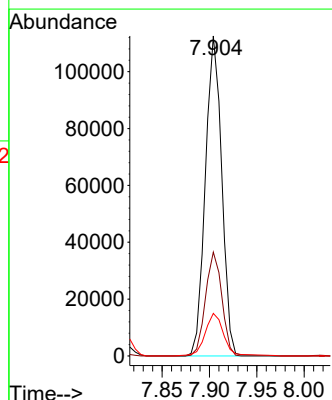
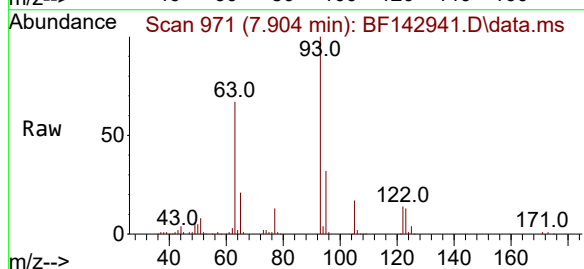
Tgt Ion: 93 Resp: 134974

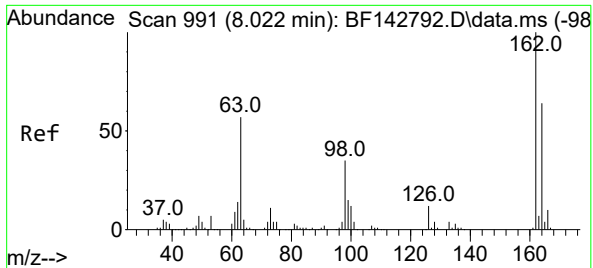
Ion Ratio Lower Upper

93 100

95 32.5 26.2 39.2

123 13.3 9.9 14.9





#29

2,4-Dichlorophenol

Concen: 39.433 ng

RT: 8.016 min Scan# 991

Delta R.T. -0.006 min

Lab File: BF142941.D

Acq: 01 Jul 2025 10:47

Instrument :

BNA_F

ClientSampleId :

SSTDCCC040

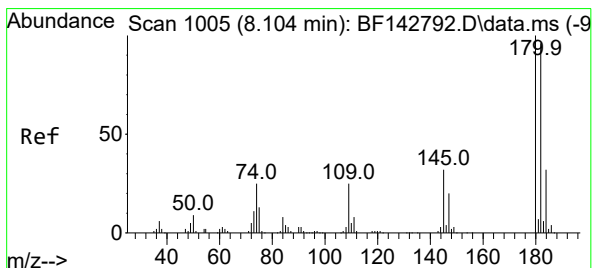
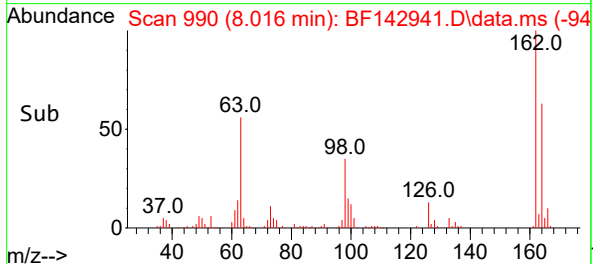
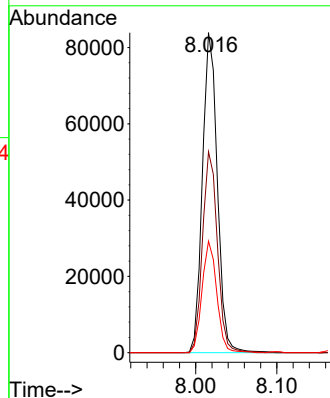
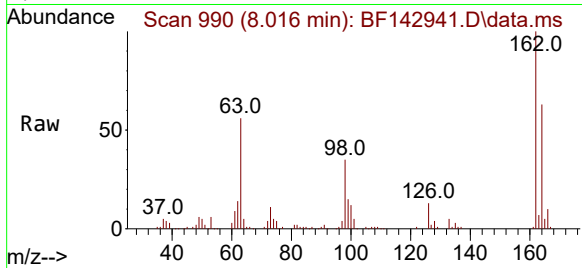
Tgt Ion:162 Resp: 106987

Ion Ratio Lower Upper

162 100

164 62.8 44.0 84.0

98 34.9 15.4 55.4



#30

1,2,4-Trichlorobenzene

Concen: 39.958 ng

RT: 8.098 min Scan# 1004

Delta R.T. -0.006 min

Lab File: BF142941.D

Acq: 01 Jul 2025 10:47

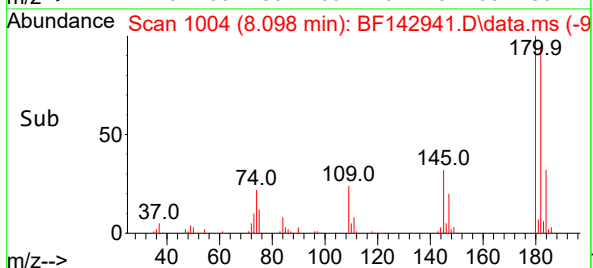
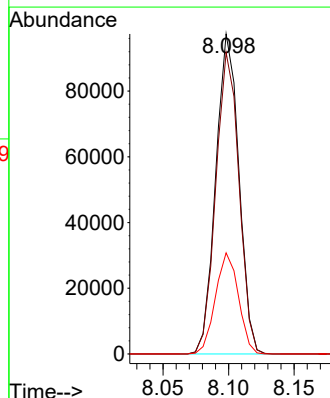
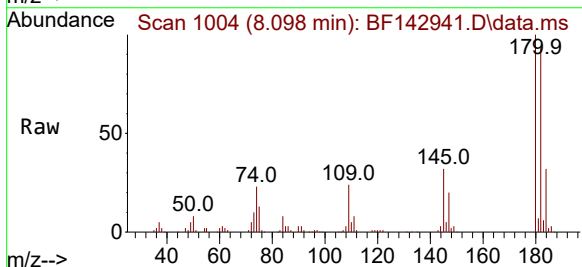
Tgt Ion:180 Resp: 119210

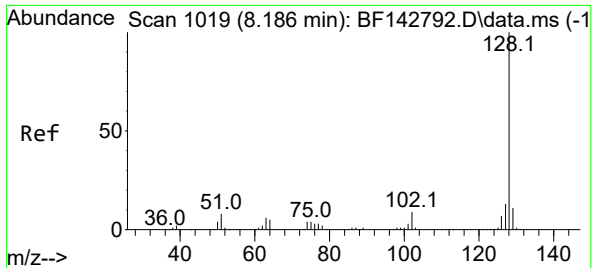
Ion Ratio Lower Upper

180 100

182 94.2 76.4 114.6

145 31.6 25.8 38.8





#31

Naphthalene

Concen: 39.287 ng

RT: 8.181 min Scan# 1019

Delta R.T. -0.006 min

Lab File: BF142941.D

Acq: 01 Jul 2025 10:47

Instrument :

BNA_F

ClientSampleId :

SSTDCCC040

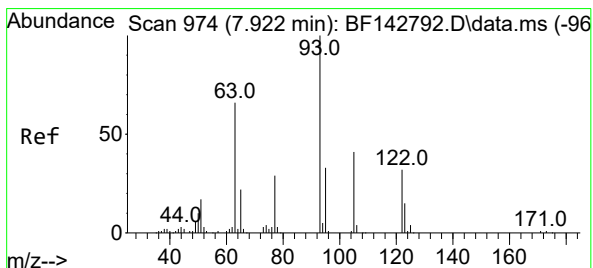
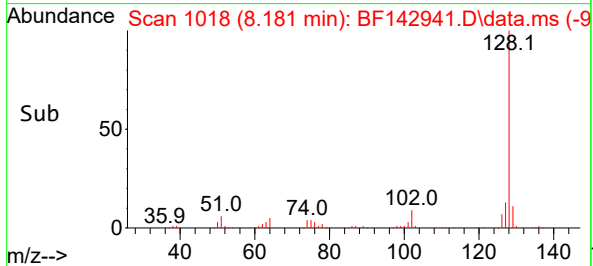
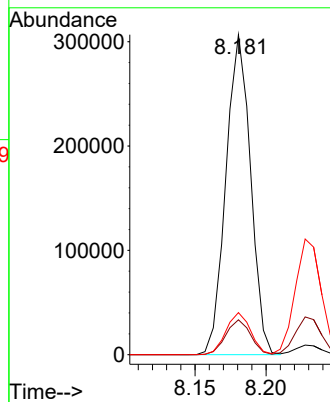
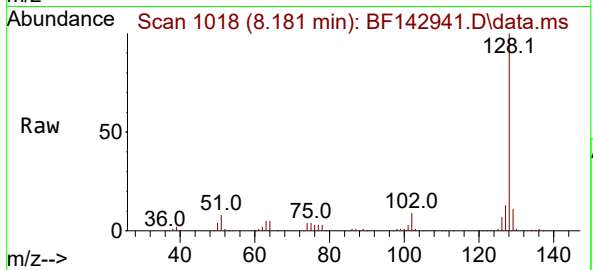
Tgt Ion:128 Resp: 369566

Ion Ratio Lower Upper

128 100

129 10.9 8.9 13.3

127 13.2 10.4 15.6



#32

Benzoic acid

Concen: 34.311 ng

RT: 7.910 min Scan# 972

Delta R.T. -0.012 min

Lab File: BF142941.D

Acq: 01 Jul 2025 10:47

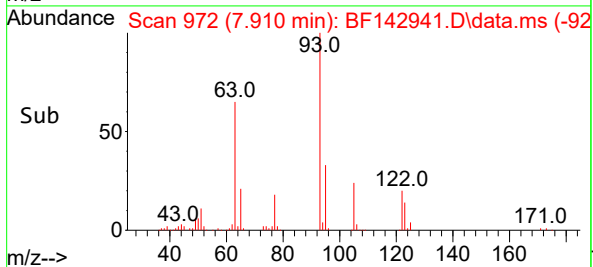
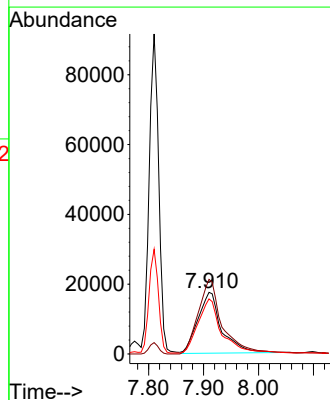
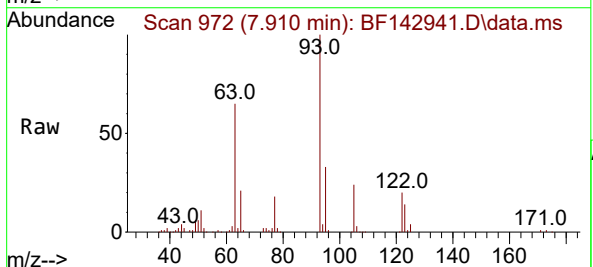
Tgt Ion:122 Resp: 52328

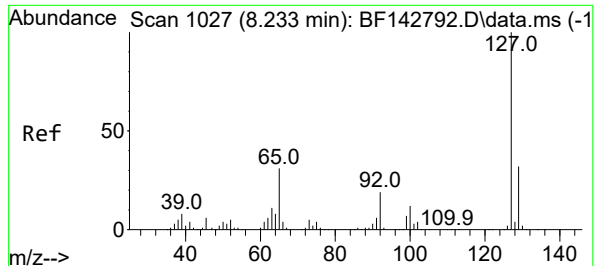
Ion Ratio Lower Upper

122 100

105 121.1 104.7 144.7

77 89.4 70.2 110.2





#33

4-Chloroaniline

Concen: 37.451 ng

RT: 8.228 min Scan# 1026

Delta R.T. -0.006 min

Lab File: BF142941.D

Acq: 01 Jul 2025 10:47

Instrument :

BNA_F

ClientSampleId :

SSTDCCC040

Tgt Ion:127 Resp: 143249

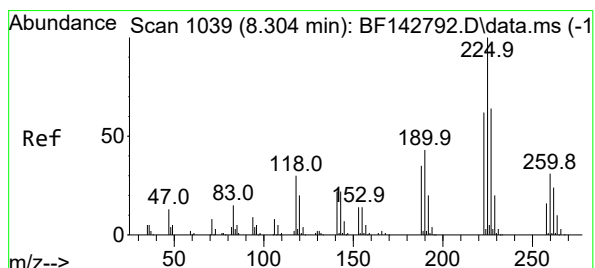
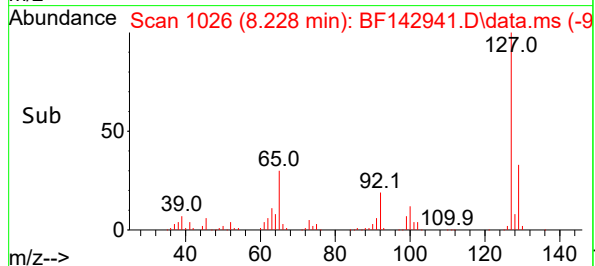
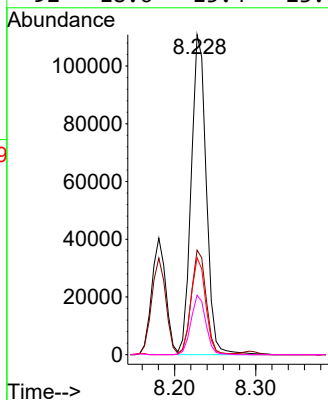
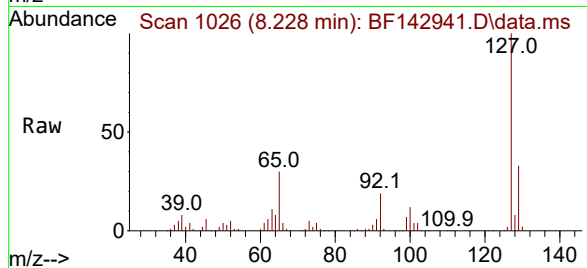
Ion Ratio Lower Upper

127 100

129 32.6 25.9 38.9

65 30.3 24.6 36.8

92 18.6 15.4 23.0



#34

Hexachlorobutadiene

Concen: 40.514 ng

RT: 8.298 min Scan# 1038

Delta R.T. -0.006 min

Lab File: BF142941.D

Acq: 01 Jul 2025 10:47

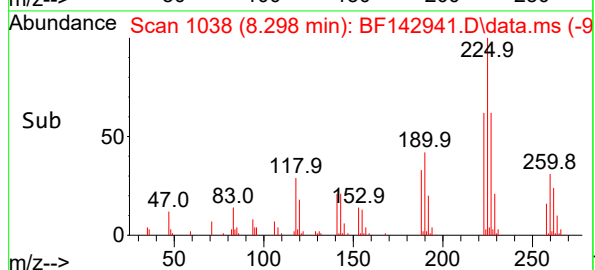
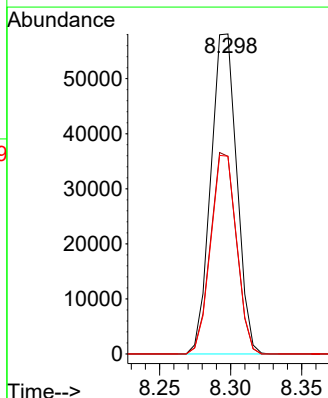
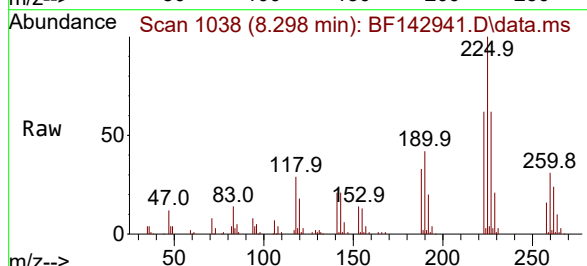
Tgt Ion:225 Resp: 73934

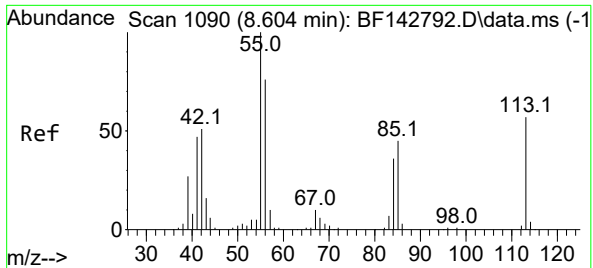
Ion Ratio Lower Upper

225 100

223 61.8 49.9 74.9

227 61.8 51.4 77.0

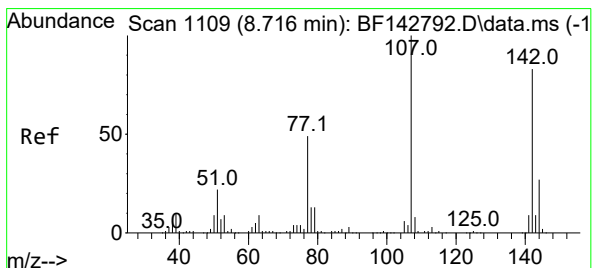
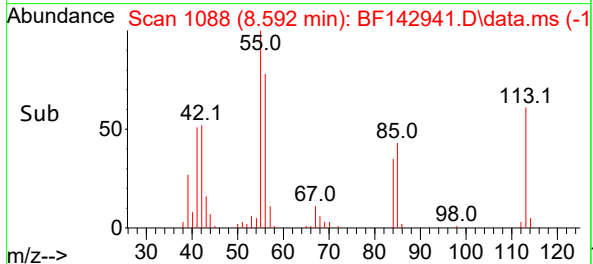
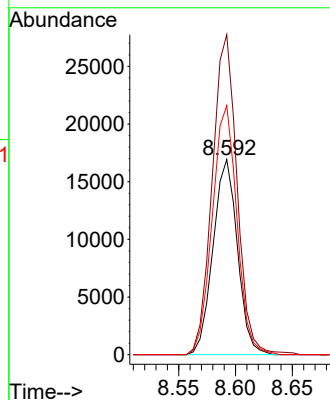
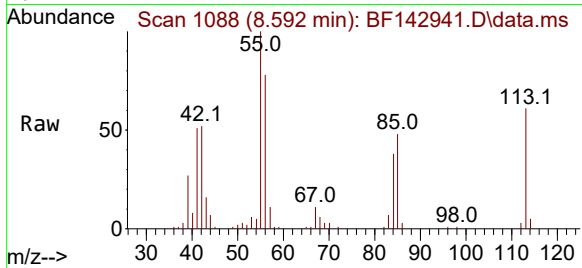




#35
Caprolactam
Concen: 35.294 ng
RT: 8.592 min Scan# 1108
Delta R.T. -0.012 min
Lab File: BF142941.D
Acq: 01 Jul 2025 10:47

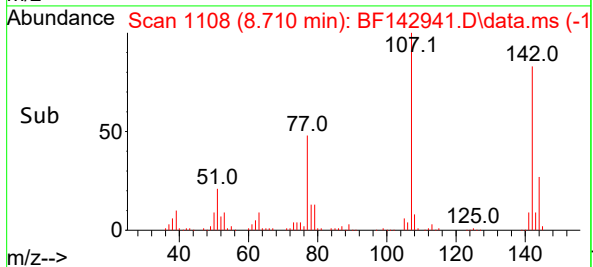
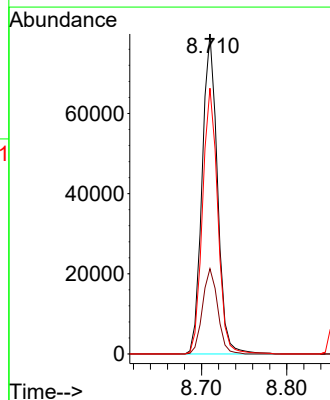
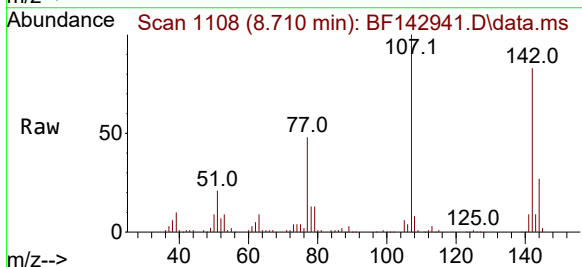
Instrument :
BNA_F
ClientSampleId :
SSTDCCC040

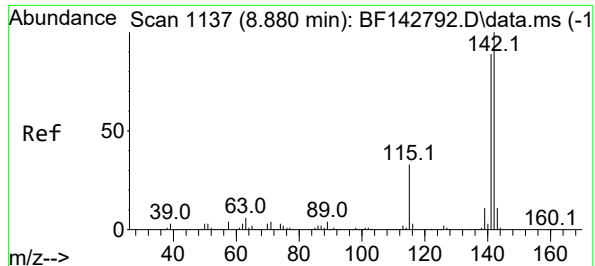
Tgt Ion:113 Resp: 25268
Ion Ratio Lower Upper
113 100
55 163.9 154.4 194.4
56 127.6 112.1 152.1



#36
4-Chloro-3-methylphenol
Concen: 36.969 ng
RT: 8.710 min Scan# 1108
Delta R.T. -0.006 min
Lab File: BF142941.D
Acq: 01 Jul 2025 10:47

Tgt Ion:107 Resp: 99683
Ion Ratio Lower Upper
107 100
144 26.7 21.3 31.9
142 83.1 66.6 100.0





#37

2-Methylnaphthalene

Concen: 38.288 ng

RT: 8.869 min Scan# 1135

Delta R.T. -0.012 min

Lab File: BF142941.D

Acq: 01 Jul 2025 10:47

Instrument :

BNA_F

ClientSampleId :

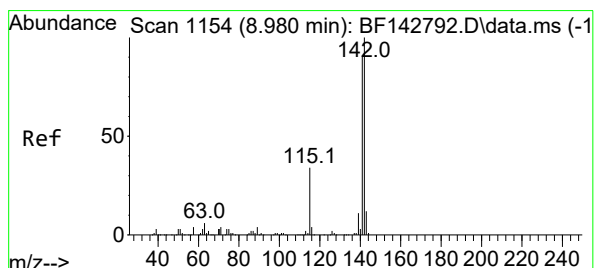
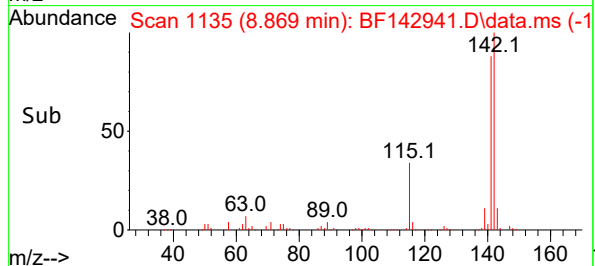
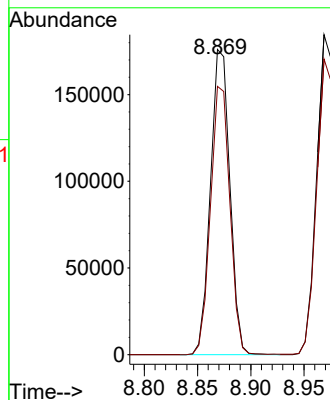
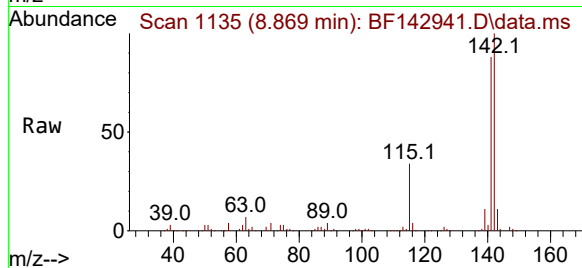
SSTDCCC040

Tgt Ion:142 Resp: 223291

Ion Ratio Lower Upper

142 100

141 87.9 70.9 106.3



#38

1-Methylnaphthalene

Concen: 37.822 ng

RT: 8.969 min Scan# 1152

Delta R.T. -0.012 min

Lab File: BF142941.D

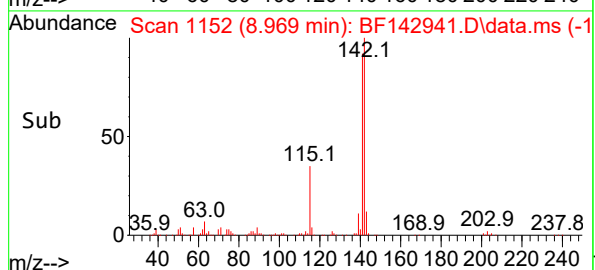
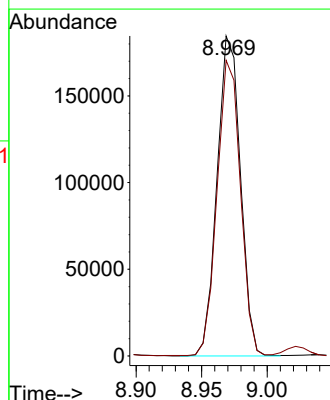
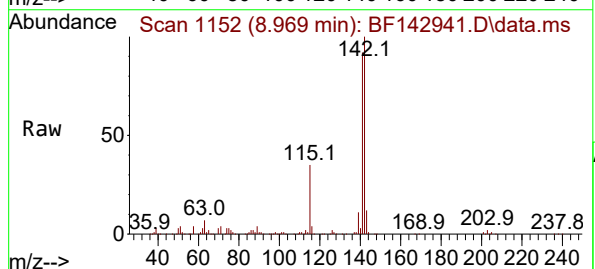
Acq: 01 Jul 2025 10:47

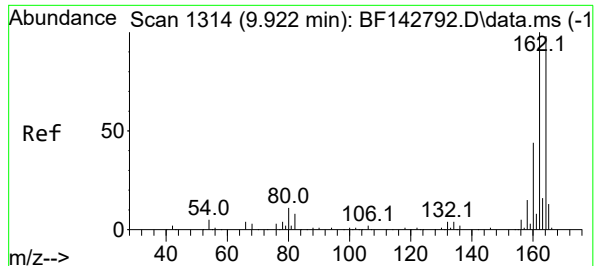
Tgt Ion:142 Resp: 228336

Ion Ratio Lower Upper

142 100

141 92.4 73.0 109.4





#39

Acenaphthene-d10

Concen: 20.000 ng

RT: 9.916 min Scan# 1164

Delta R.T. -0.006 min

Lab File: BF142941.D

Acq: 01 Jul 2025 10:47

Instrument :

BNA_F

ClientSampleId :

SSTDCCC040

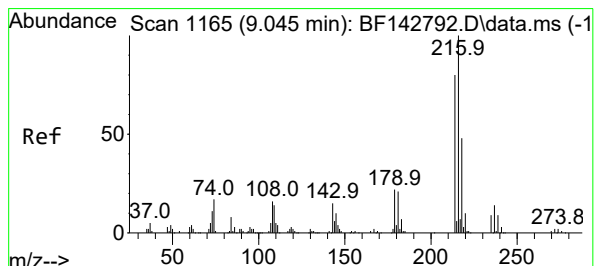
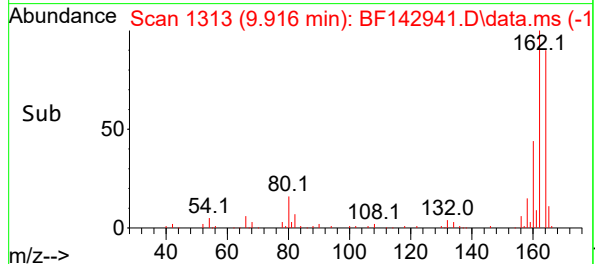
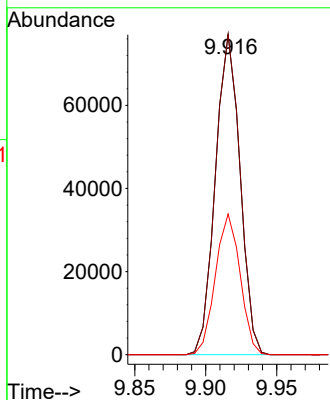
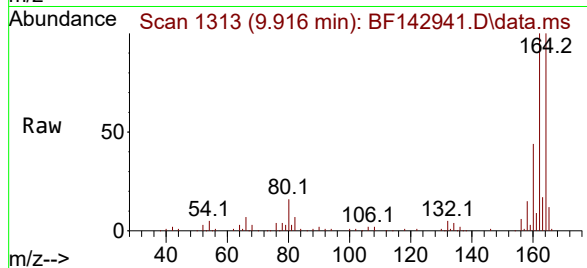
Tgt Ion:164 Resp: 92751

Ion Ratio Lower Upper

164 100

162 100.0 81.8 122.8

160 43.9 36.0 54.0



#40

1,2,4,5-Tetrachlorobenzene

Concen: 41.043 ng

RT: 9.039 min Scan# 1164

Delta R.T. -0.006 min

Lab File: BF142941.D

Acq: 01 Jul 2025 10:47

Tgt Ion:216 Resp: 112325

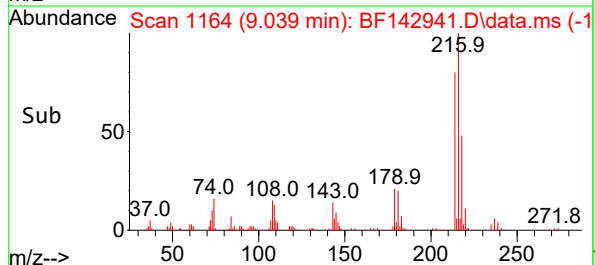
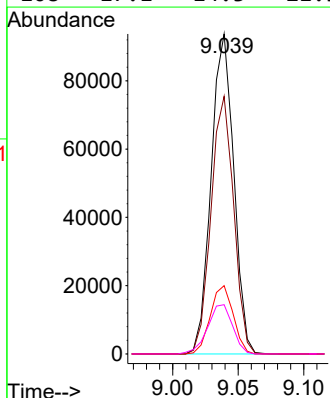
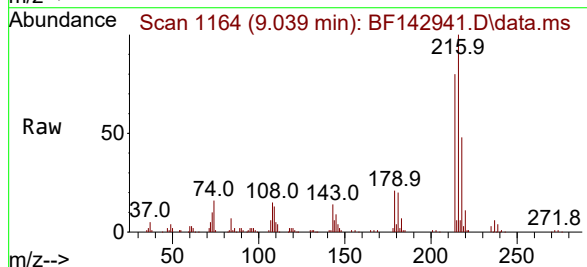
Ion Ratio Lower Upper

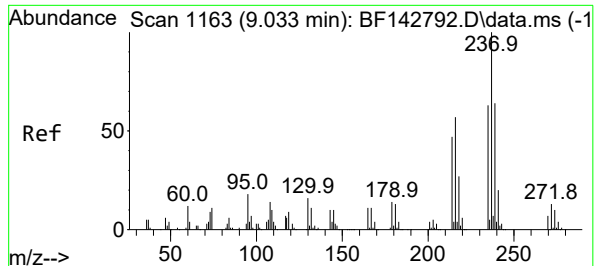
216 100

214 80.5 63.7 95.5

179 21.6 17.6 26.4

108 17.1 14.3 21.5





#41

Hexachlorocyclopentadiene

Concen: 34.065 ng

RT: 9.022 min Scan# 1161

Delta R.T. -0.012 min

Lab File: BF142941.D

Acq: 01 Jul 2025 10:47

Instrument :

BNA_F

ClientSampleId :

SSTDCCC040

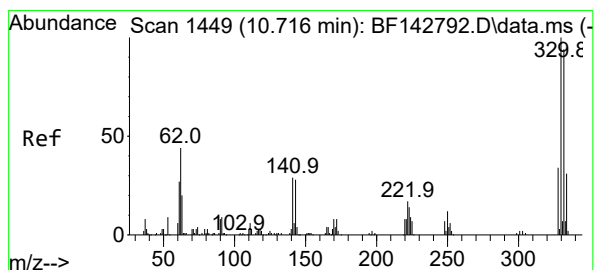
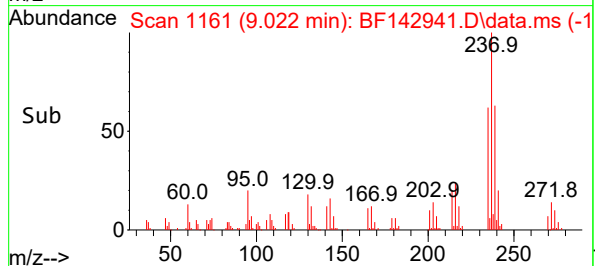
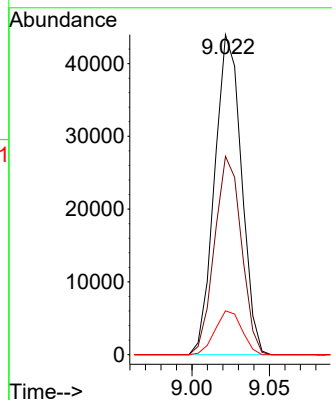
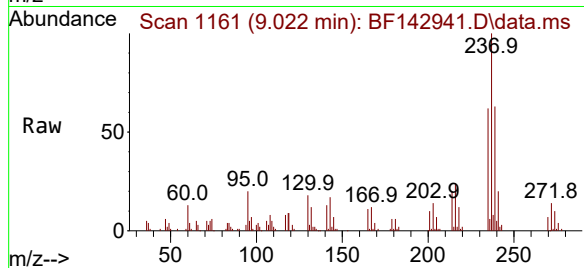
Tgt Ion:237 Resp: 52906

Ion Ratio Lower Upper

237 100

235 62.0 43.4 83.4

272 13.7 0.0 32.7



#42

2,4,6-Tribromophenol

Concen: 71.936 ng

RT: 10.704 min Scan# 1447

Delta R.T. -0.012 min

Lab File: BF142941.D

Acq: 01 Jul 2025 10:47

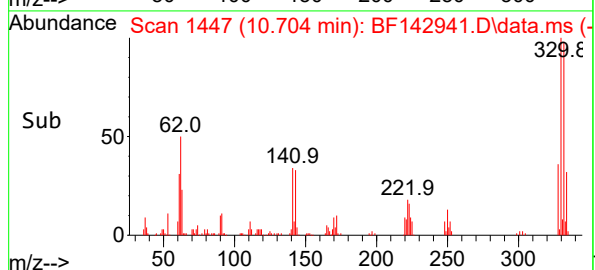
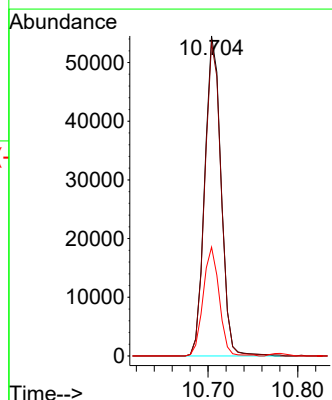
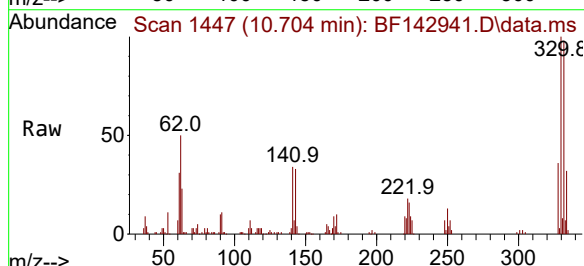
Tgt Ion:330 Resp: 68661

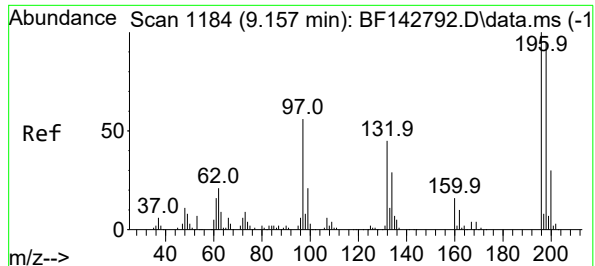
Ion Ratio Lower Upper

330 100

332 98.4 75.0 112.6

141 33.5 25.3 37.9





#43

2,4,6-Trichlorophenol

Concen: 40.152 ng

RT: 9.151 min Scan# 1183

Delta R.T. -0.006 min

Lab File: BF142941.D

Acq: 01 Jul 2025 10:47

Instrument :

BNA_F

ClientSampleId :

SSTDCCC040

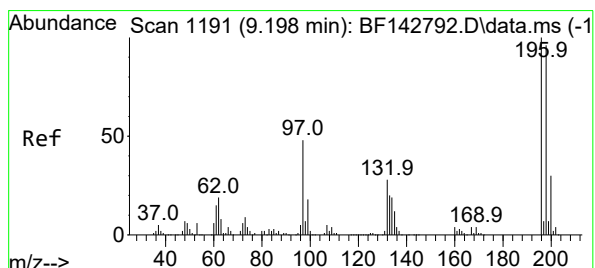
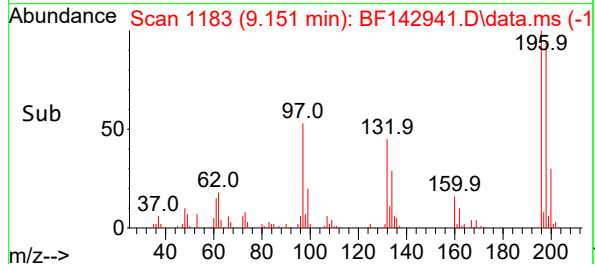
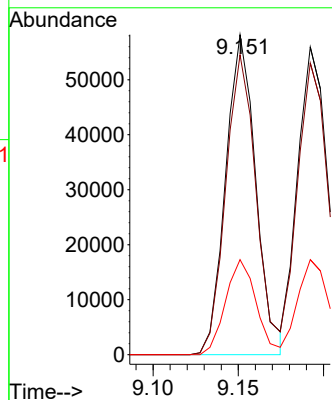
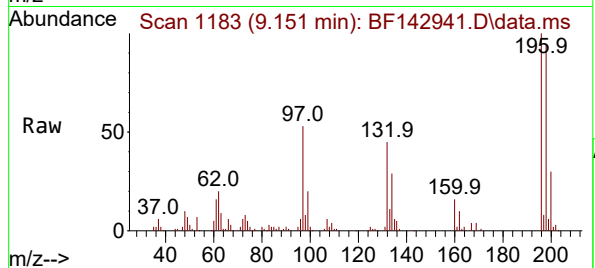
Tgt Ion:196 Resp: 71605

Ion Ratio Lower Upper

196 100

198 93.7 76.2 114.2

200 29.7 24.1 36.1



#44

2,4,5-Trichlorophenol

Concen: 38.208 ng

RT: 9.192 min Scan# 1190

Delta R.T. -0.006 min

Lab File: BF142941.D

Acq: 01 Jul 2025 10:47

Tgt Ion:196 Resp: 71728

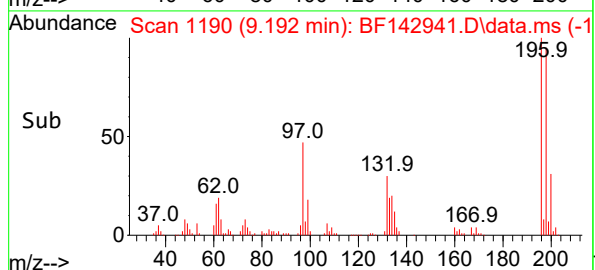
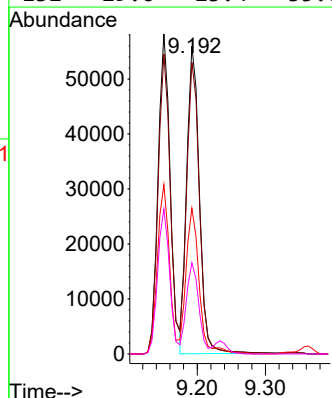
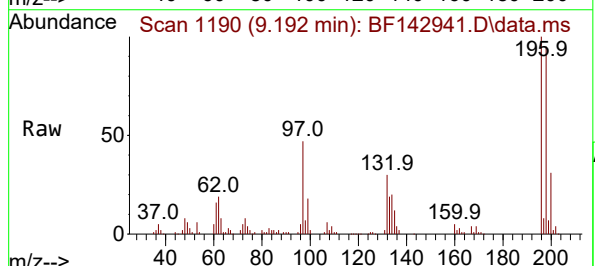
Ion Ratio Lower Upper

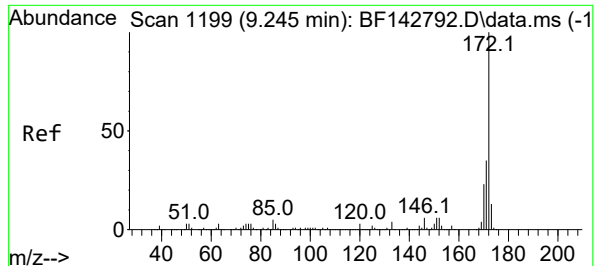
196 100

198 94.8 76.6 115.0

97 47.4 38.2 57.2

132 29.6 23.4 35.0





#45

2-Fluorobiphenyl

Concen: 87.549 ng

RT: 9.233 min Scan# 1199

Delta R.T. -0.012 min

Lab File: BF142941.D

Acq: 01 Jul 2025 10:47

Instrument :

BNA_F

ClientSampleId :

SSTDCCC040

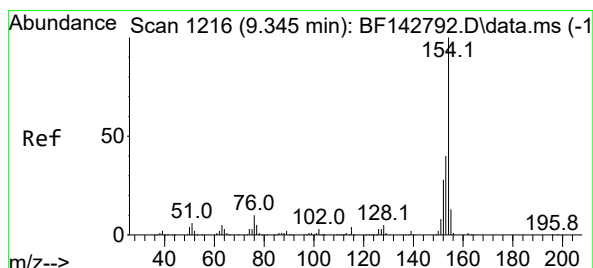
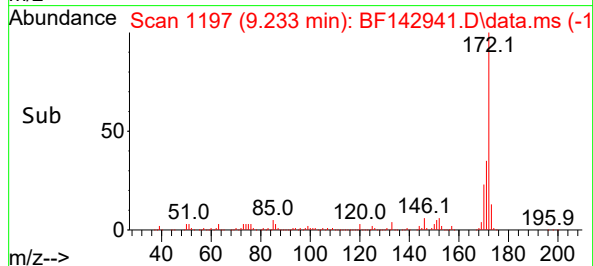
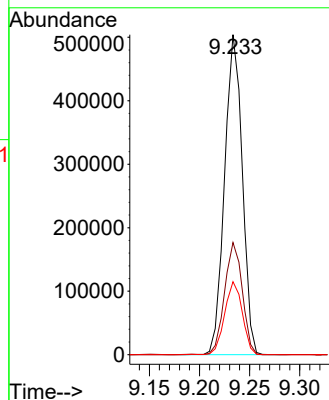
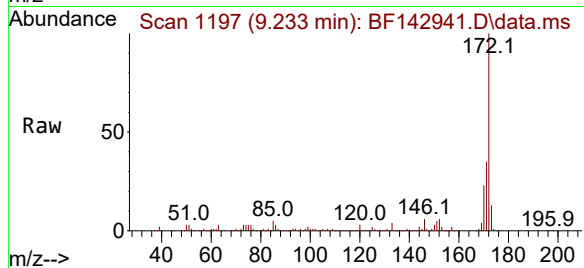
Tgt Ion:172 Resp: 618133

Ion Ratio Lower Upper

172 100

171 35.1 28.2 42.4

170 22.8 18.5 27.7



#46

1,1'-Biphenyl

Concen: 40.008 ng

RT: 9.333 min Scan# 1214

Delta R.T. -0.012 min

Lab File: BF142941.D

Acq: 01 Jul 2025 10:47

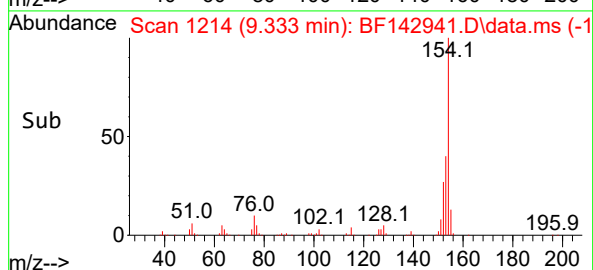
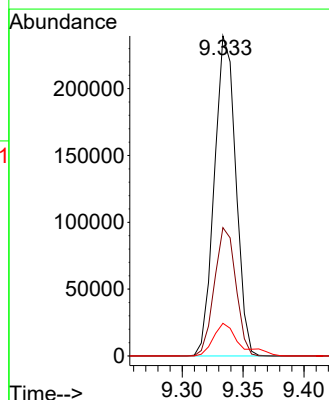
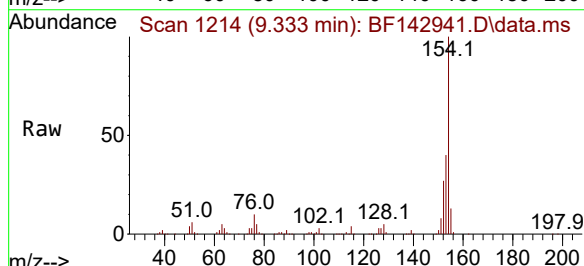
Tgt Ion:154 Resp: 293133

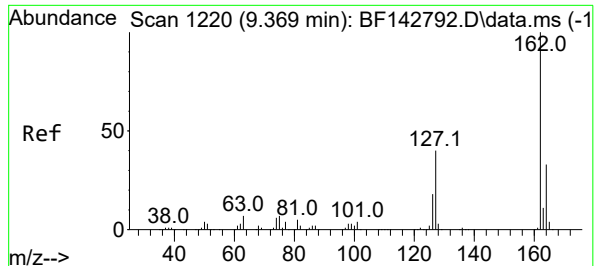
Ion Ratio Lower Upper

154 100

153 40.1 20.3 60.3

76 10.2 0.0 30.3





#47

2-Chloronaphthalene

Concen: 40.175 ng

RT: 9.363 min Scan# 1219

Delta R.T. -0.006 min

Lab File: BF142941.D

Acq: 01 Jul 2025 10:47

Instrument :

BNA_F

ClientSampleId :

SSTDCCC040

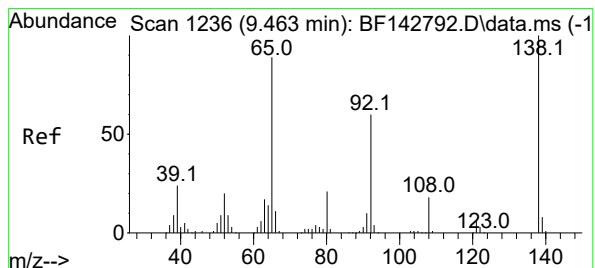
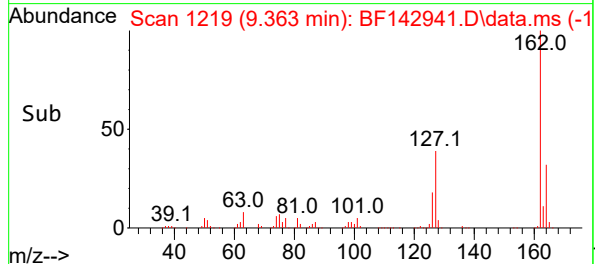
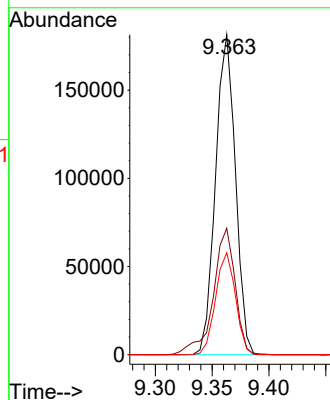
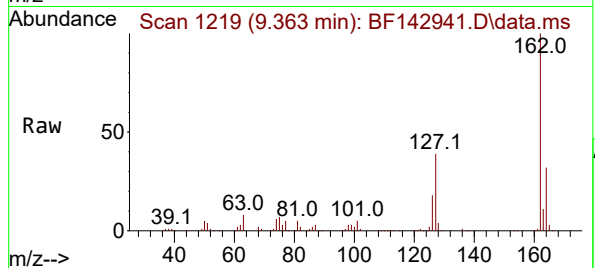
Tgt Ion:162 Resp: 220890

Ion Ratio Lower Upper

162 100

127 39.5 32.2 48.2

164 31.9 26.1 39.1



#48

2-Nitroaniline

Concen: 37.332 ng

RT: 9.457 min Scan# 1235

Delta R.T. -0.006 min

Lab File: BF142941.D

Acq: 01 Jul 2025 10:47

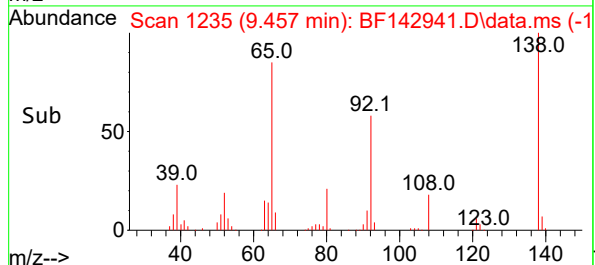
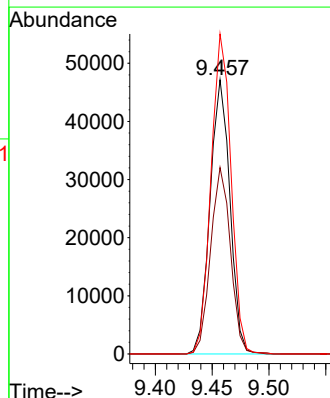
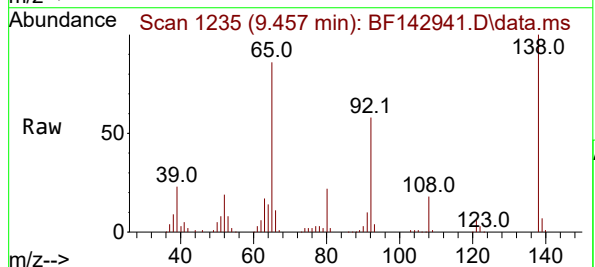
Tgt Ion: 65 Resp: 57546

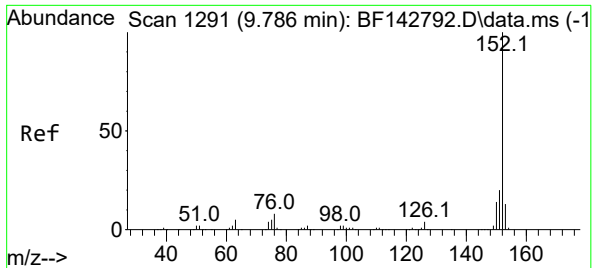
Ion Ratio Lower Upper

65 100

92 68.0 53.8 80.6

138 116.7 89.6 134.4





#49

Acenaphthylene

Concen: 39.366 ng

RT: 9.775 min Scan# 11

Delta R.T. -0.012 min

Lab File: BF142941.D

Acq: 01 Jul 2025 10:47

Instrument :

BNA_F

ClientSampleId :

SSTDCCC040

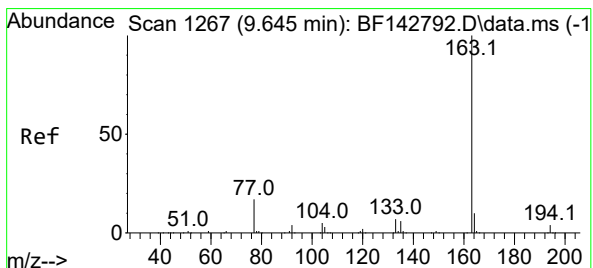
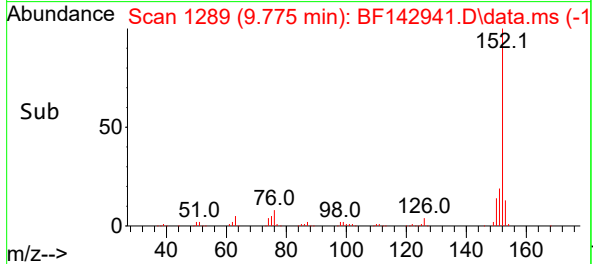
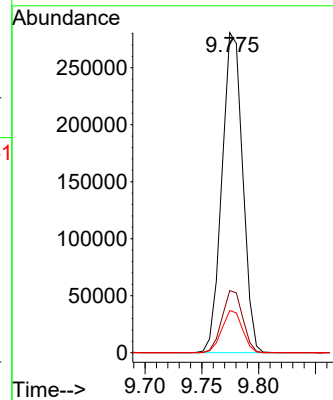
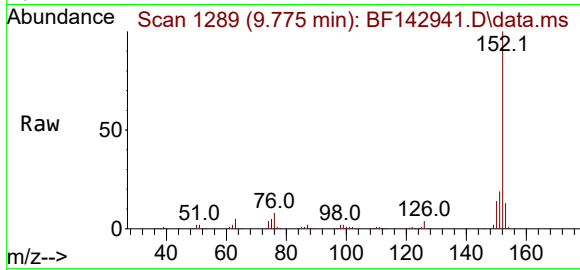
Tgt Ion:152 Resp: 356312

Ion Ratio Lower Upper

152 100

151 19.4 16.1 24.1

153 13.2 10.4 15.6



#50

Dimethylphthalate

Concen: 37.545 ng

RT: 9.633 min Scan# 1265

Delta R.T. -0.012 min

Lab File: BF142941.D

Acq: 01 Jul 2025 10:47

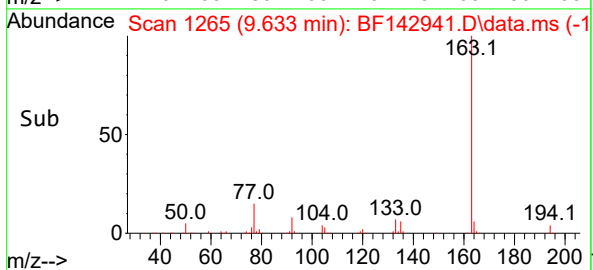
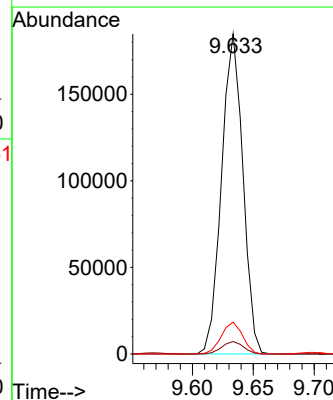
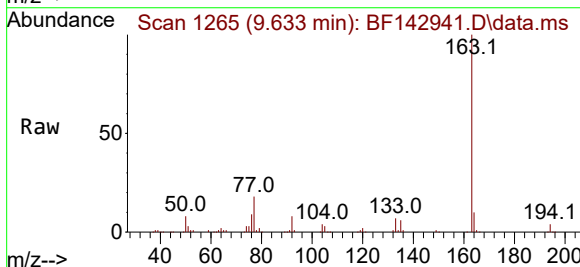
Tgt Ion:163 Resp: 225413

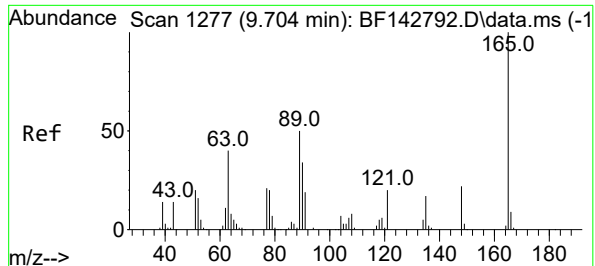
Ion Ratio Lower Upper

163 100

194 3.9 3.3 4.9

164 9.9 8.0 12.0

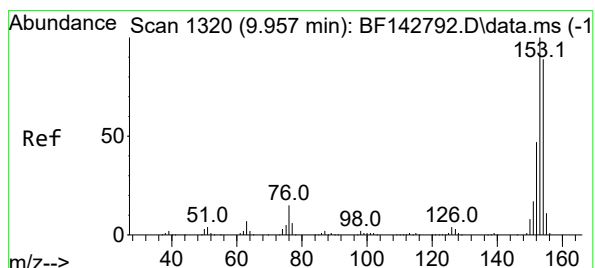
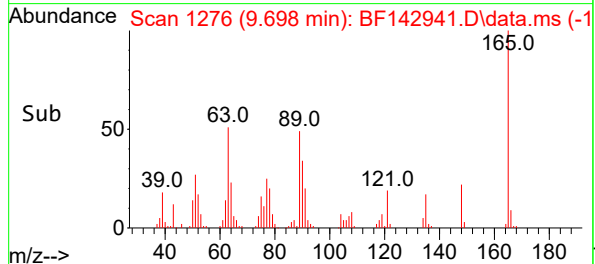
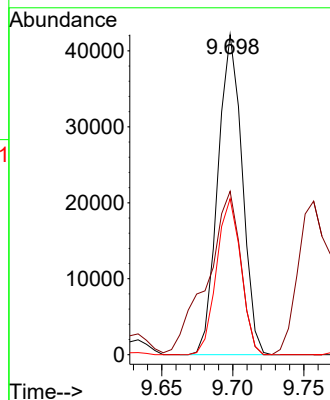
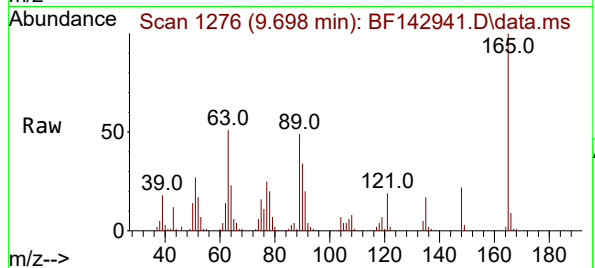




#51
2,6-Dinitrotoluene
Concen: 38.033 ng
RT: 9.698 min Scan# 1319
Delta R.T. -0.006 min
Lab File: BF142941.D
Acq: 01 Jul 2025 10:47

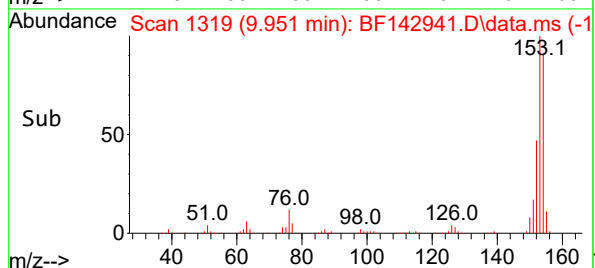
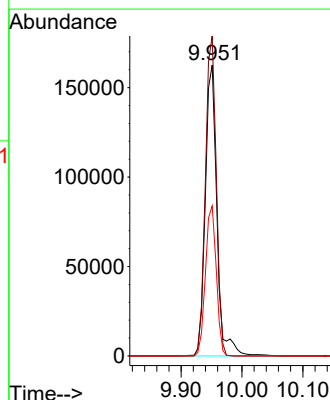
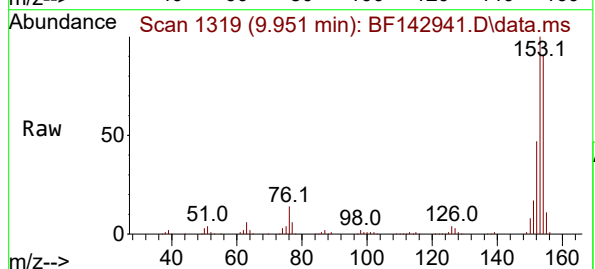
Instrument :
BNA_F
ClientSampleId :
SSTDCCC040

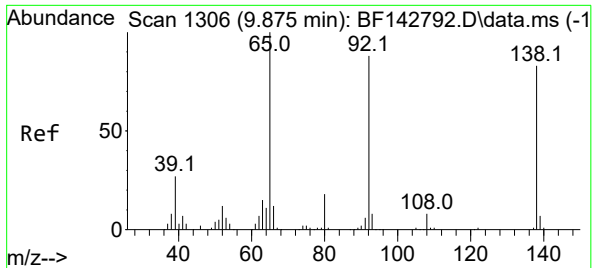
Tgt Ion:165 Resp: 50146
Ion Ratio Lower Upper
165 100
63 51.0 44.2 66.4
89 48.8 39.8 59.8



#52
Acenaphthene
Concen: 39.064 ng
RT: 9.951 min Scan# 1319
Delta R.T. -0.006 min
Lab File: BF142941.D
Acq: 01 Jul 2025 10:47

Tgt Ion:154 Resp: 215725
Ion Ratio Lower Upper
154 100
153 110.0 90.0 135.0
152 51.6 41.9 62.9

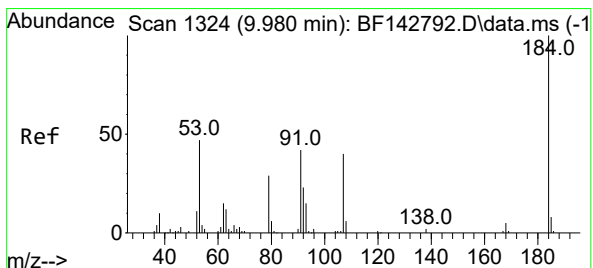
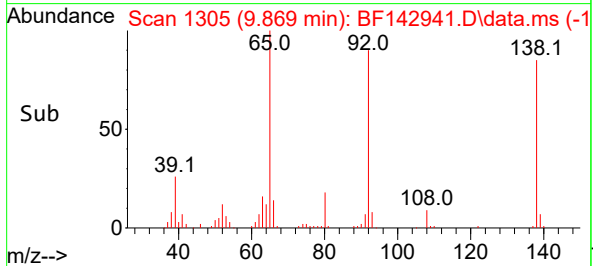
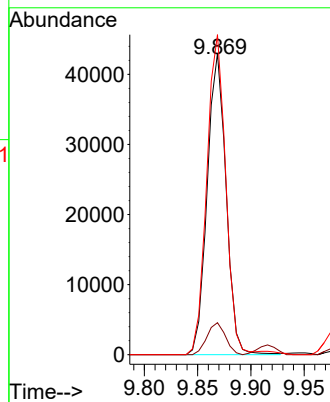
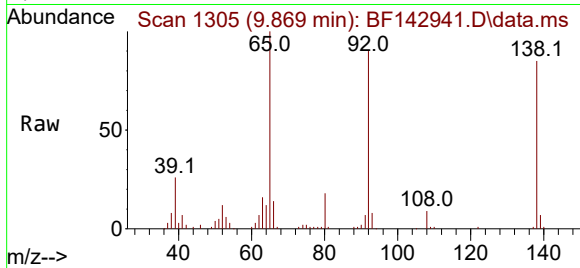




#53
3-Nitroaniline
Concen: 36.596 ng
RT: 9.869 min Scan# 11
Delta R.T. -0.006 min
Lab File: BF142941.D
Acq: 01 Jul 2025 10:47

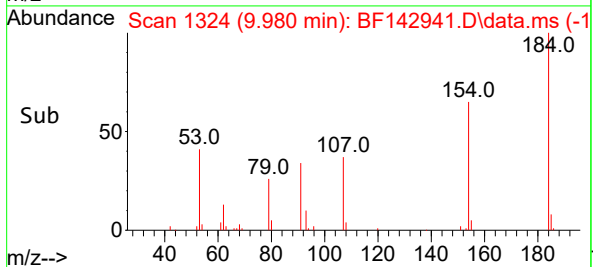
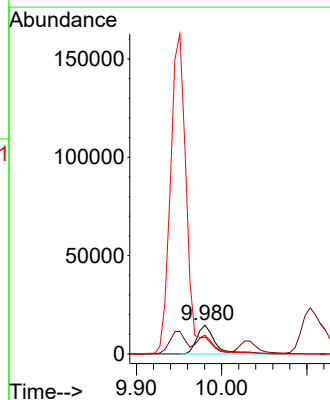
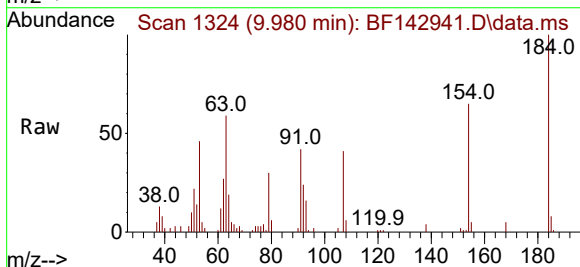
Instrument :
BNA_F
ClientSampleId :
SSTDCCC040

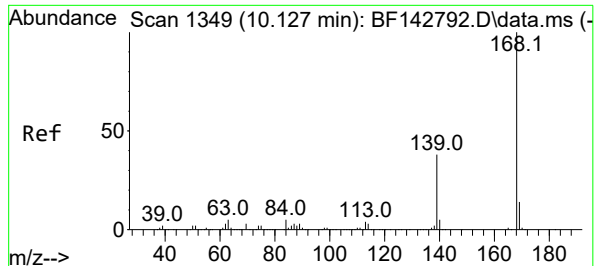
Tgt Ion:138 Resp: 53126
Ion Ratio Lower Upper
138 100
108 10.6 8.1 12.1
92 106.2 85.1 127.7



#54
2,4-Dinitrophenol
Concen: 33.175 ng
RT: 9.980 min Scan# 1324
Delta R.T. -0.000 min
Lab File: BF142941.D
Acq: 01 Jul 2025 10:47

Tgt Ion:184 Resp: 21902
Ion Ratio Lower Upper
184 100
63 59.3 50.6 75.8
154 65.0 51.8 77.8





#55

Dibenzenofuran

Concen: 38.558 ng

RT: 10.122 min Scan# 1349

Delta R.T. -0.006 min

Lab File: BF142941.D

Acq: 01 Jul 2025 10:47

Instrument :

BNA_F

ClientSampleId :

SSTDCCC040

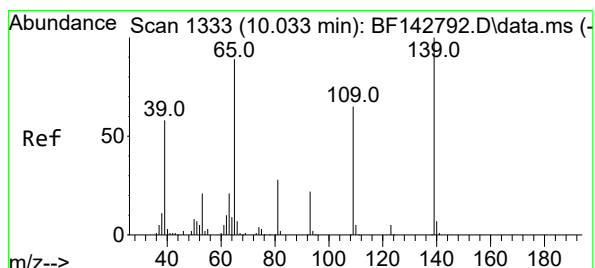
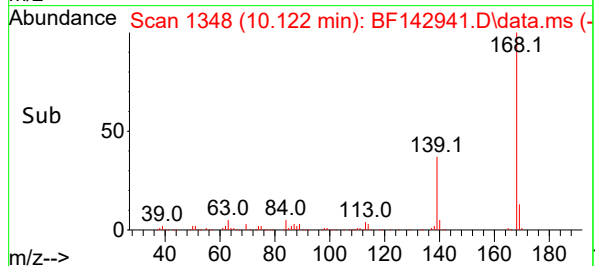
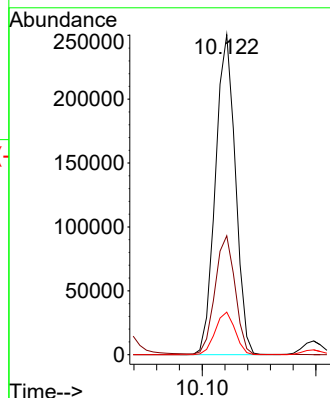
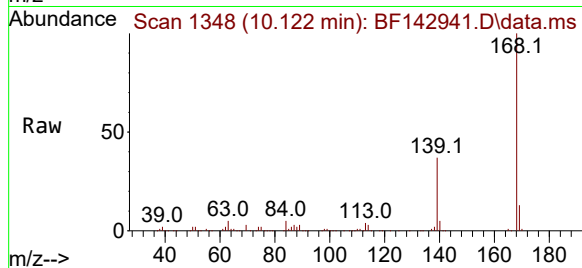
Tgt Ion:168 Resp: 305343

Ion Ratio Lower Upper

168 100

139 37.2 30.2 45.4

169 13.3 10.8 16.2



#56

4-Nitrophenol

Concen: 31.690 ng

RT: 10.033 min Scan# 1333

Delta R.T. -0.000 min

Lab File: BF142941.D

Acq: 01 Jul 2025 10:47

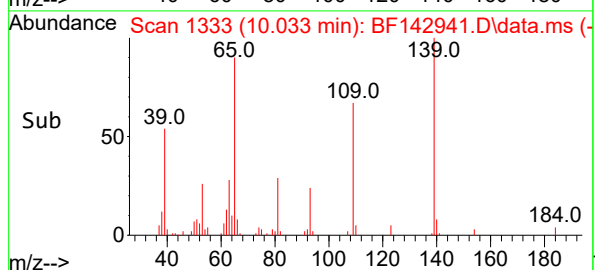
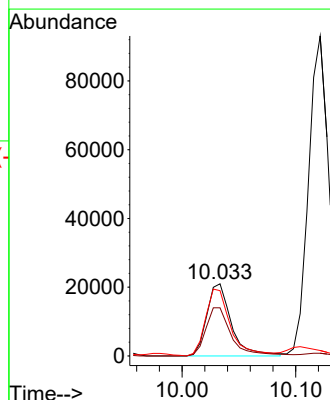
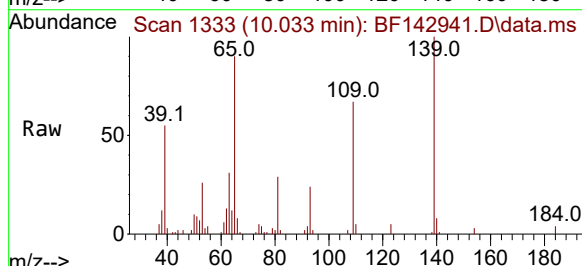
Tgt Ion:139 Resp: 31494

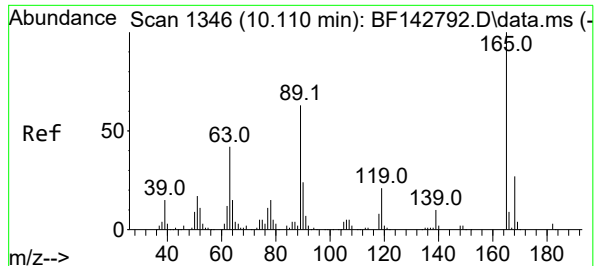
Ion Ratio Lower Upper

139 100

109 66.8 44.7 84.7

65 90.4 69.8 109.8

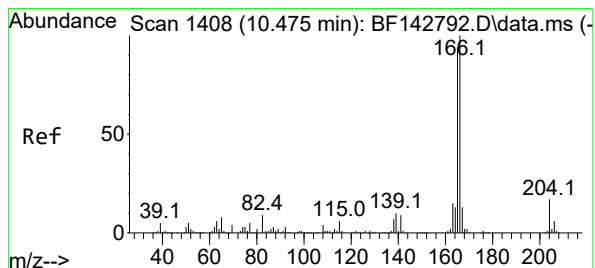
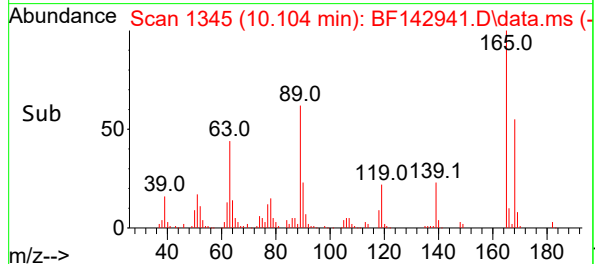
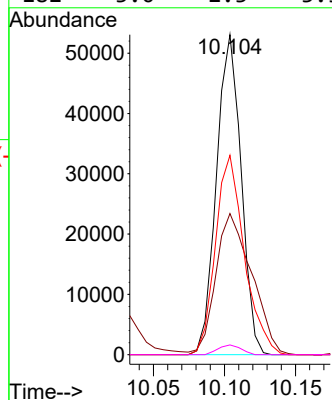
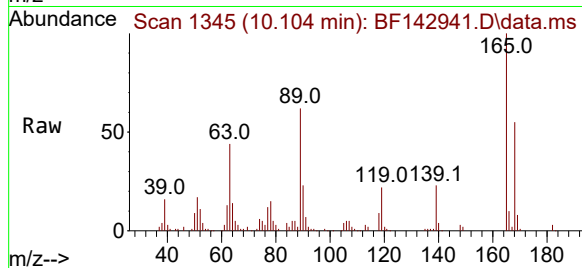




#57
2,4-Dinitrotoluene
Concen: 36.552 ng
RT: 10.104 min Scan# 11
Delta R.T. -0.006 min
Lab File: BF142941.D
Acq: 01 Jul 2025 10:47

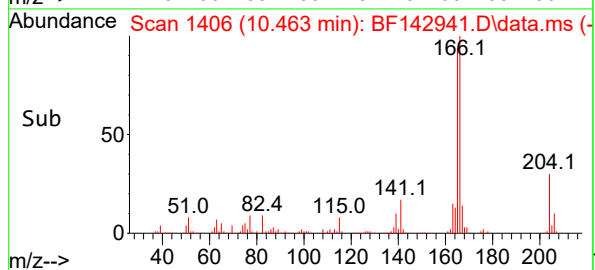
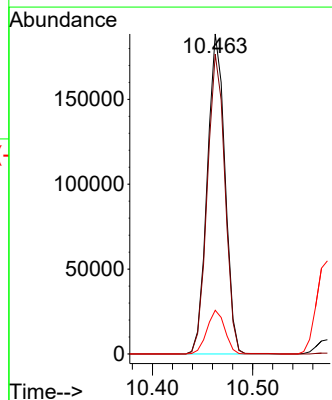
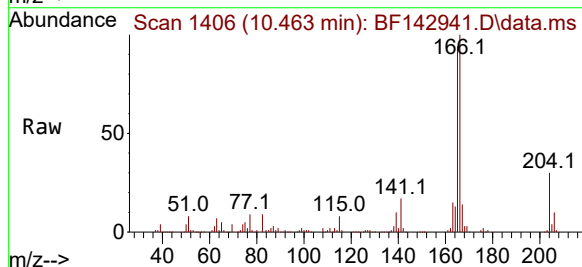
Instrument :
BNA_F
ClientSampleId :
SSTDCCC040

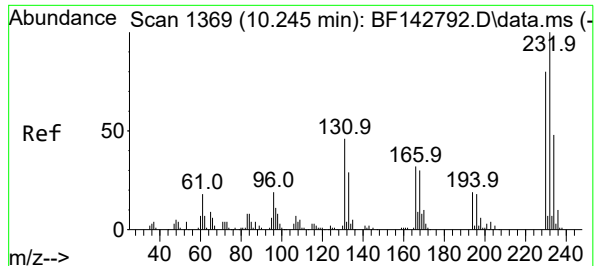
Tgt Ion:165 Resp: 64015
Ion Ratio Lower Upper
165 100
63 44.1 33.9 50.9
89 62.3 50.6 75.8
182 3.0 2.3 3.5



#58
Fluorene
Concen: 37.542 ng
RT: 10.463 min Scan# 1406
Delta R.T. -0.012 min
Lab File: BF142941.D
Acq: 01 Jul 2025 10:47

Tgt Ion:166 Resp: 232186
Ion Ratio Lower Upper
166 100
165 93.7 75.2 112.8
167 13.7 10.6 15.8

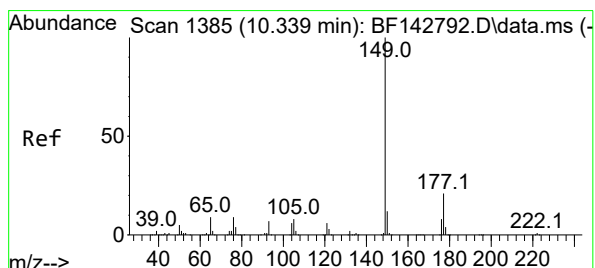
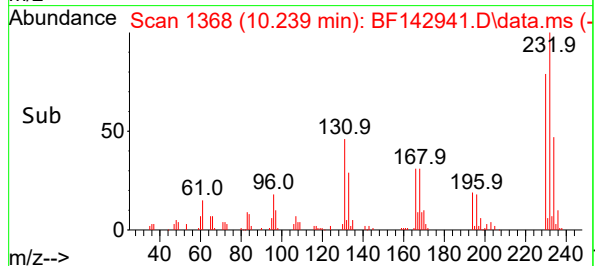
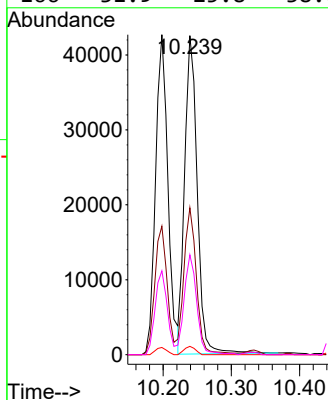
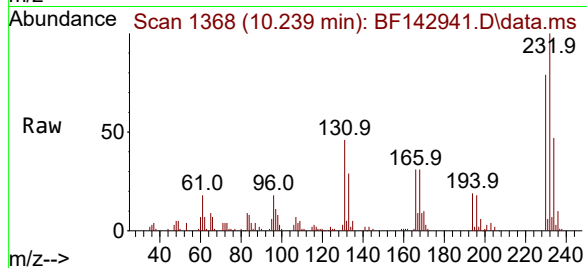




#59
2,3,4,6-Tetrachlorophenol
Concen: 35.793 ng
RT: 10.239 min Scan# 1368
Delta R.T. -0.006 min
Lab File: BF142941.D
Acq: 01 Jul 2025 10:47

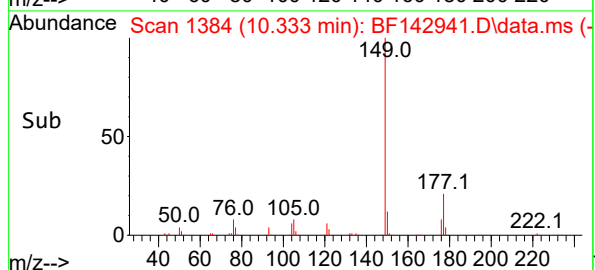
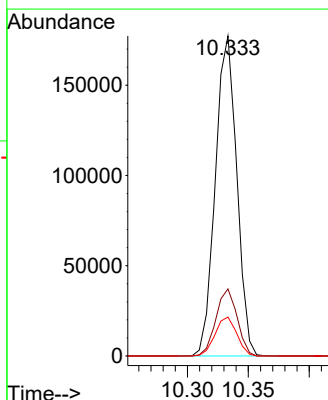
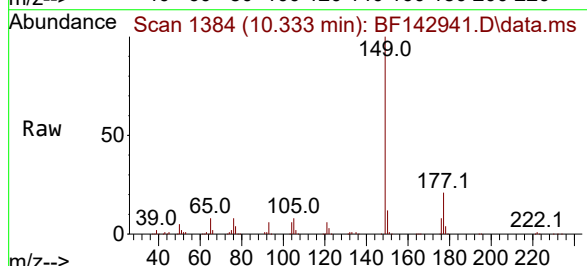
Instrument :
BNA_F
ClientSampleId :
SSTDCCC040

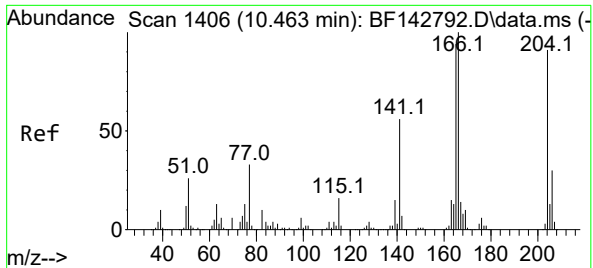
Tgt Ion:232 Resp: 54162
Ion Ratio Lower Upper
232 100
131 46.9 37.6 56.4
130 2.4 1.7 2.5
166 31.9 25.8 38.6



#60
Diethylphthalate
Concen: 36.898 ng
RT: 10.333 min Scan# 1384
Delta R.T. -0.006 min
Lab File: BF142941.D
Acq: 01 Jul 2025 10:47

Tgt Ion:149 Resp: 217208
Ion Ratio Lower Upper
149 100
177 21.0 17.0 25.6
150 12.1 9.8 14.6

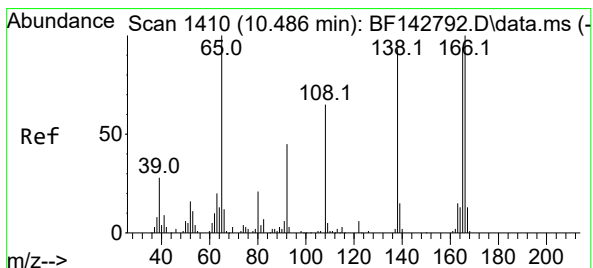
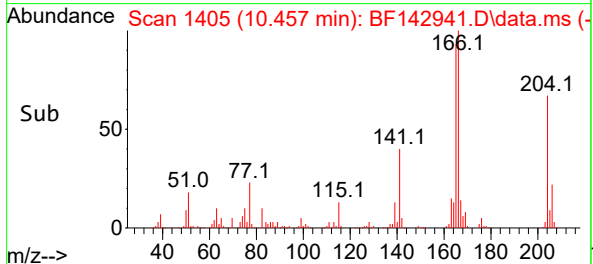
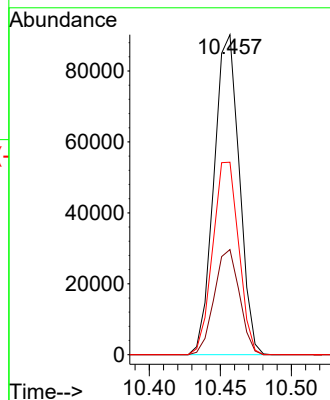
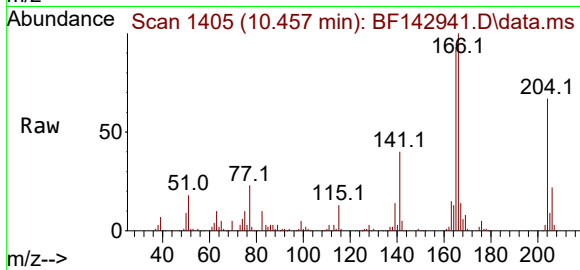




#61
4-Chlorophenyl-phenylether
Concen: 37.998 ng
RT: 10.457 min Scan# 1405
Delta R.T. -0.006 min
Lab File: BF142941.D
Acq: 01 Jul 2025 10:47

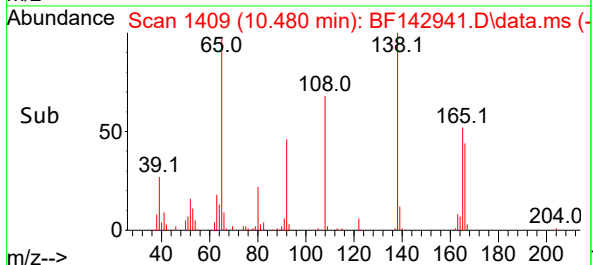
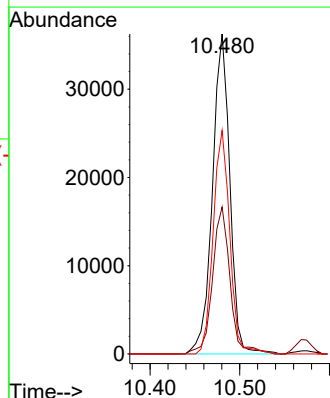
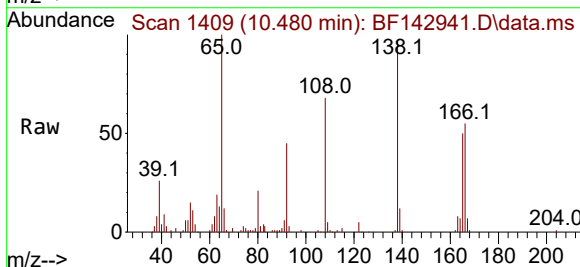
Instrument :
BNA_F
ClientSampleId :
SSTDCCC040

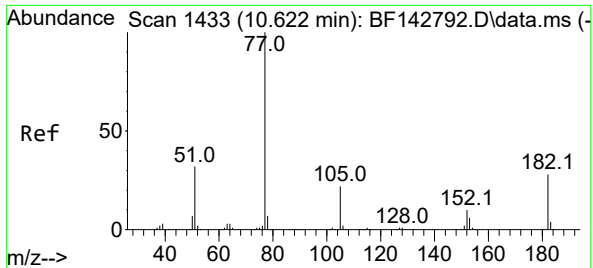
Tgt Ion:204 Resp: 112139
Ion Ratio Lower Upper
204 100
206 32.9 26.3 39.5
141 60.2 49.1 73.7



#62
4-Nitroaniline
Concen: 36.825 ng
RT: 10.480 min Scan# 1409
Delta R.T. -0.006 min
Lab File: BF142941.D
Acq: 01 Jul 2025 10:47

Tgt Ion:138 Resp: 48891
Ion Ratio Lower Upper
138 100
92 46.0 28.4 68.4
108 69.9 50.2 90.2

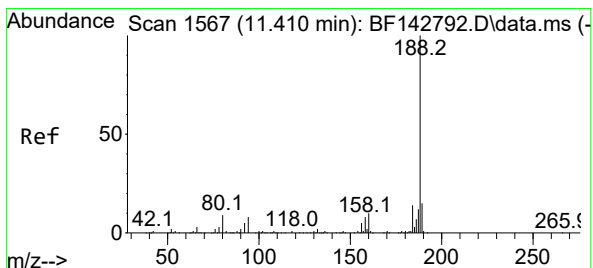
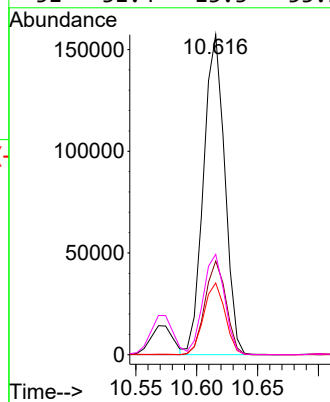
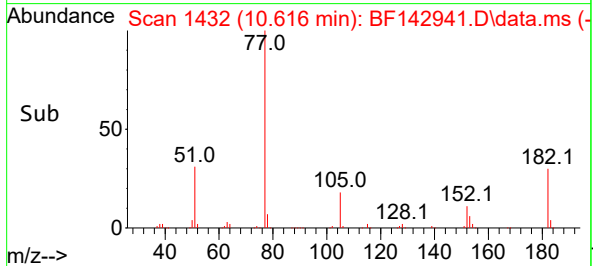
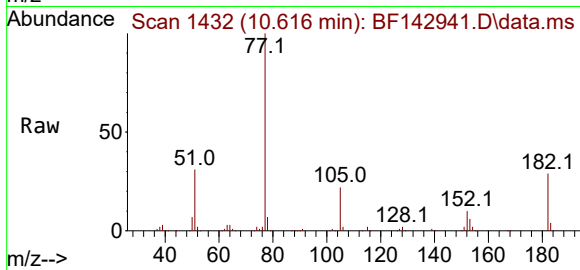




#63
Azobenzene
Concen: 36.270 ng
RT: 10.616 min Scan# 1432
Delta R.T. -0.006 min
Lab File: BF142941.D
Acq: 01 Jul 2025 10:47

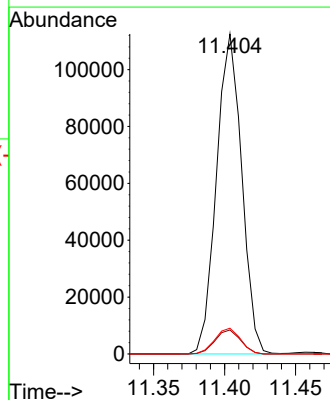
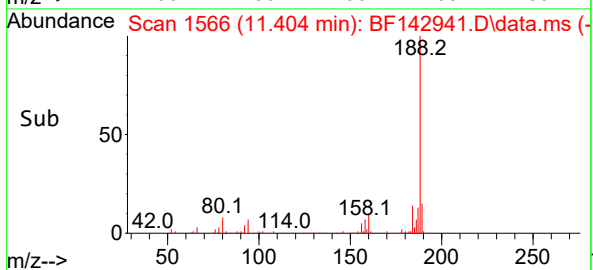
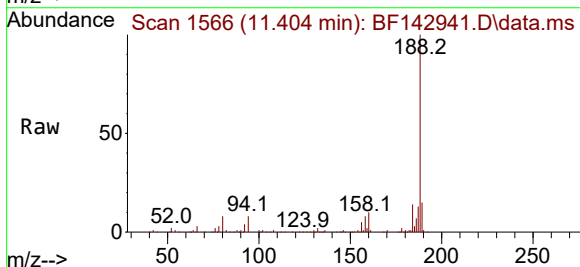
Instrument :
BNA_F
ClientSampleId :
SSTDCCC040

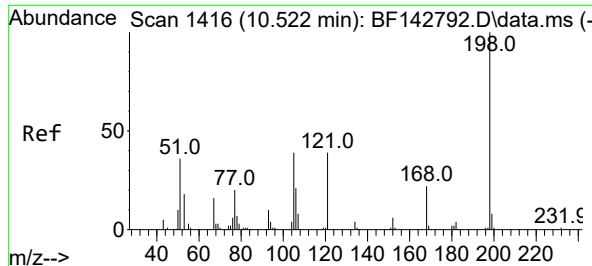
Tgt Ion:	77	Resp:	190824
Ion	Ratio	Lower	Upper
77	100		
182	29.3	7.7	47.7
105	22.4	1.9	41.9
51	31.4	13.3	53.3



#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.404 min Scan# 1566
Delta R.T. -0.006 min
Lab File: BF142941.D
Acq: 01 Jul 2025 10:47

Tgt Ion:	188	Resp:	139048
Ion	Ratio	Lower	Upper
188	100		
94	7.5	6.7	10.1
80	8.0	6.9	10.3

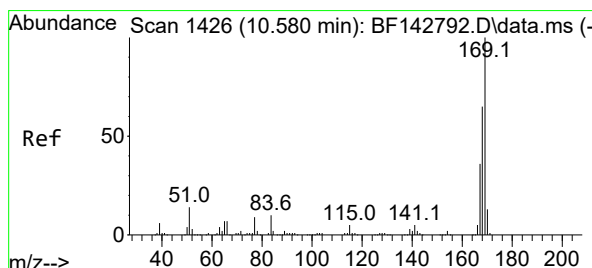
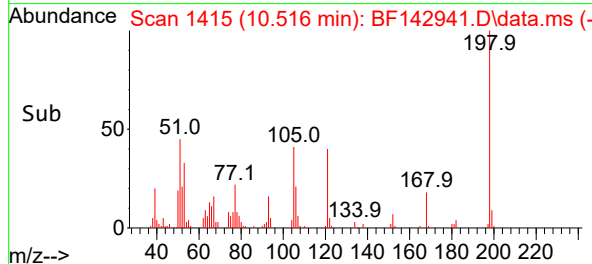
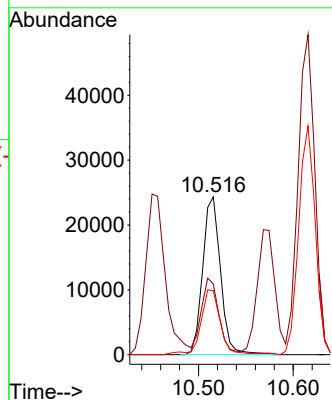
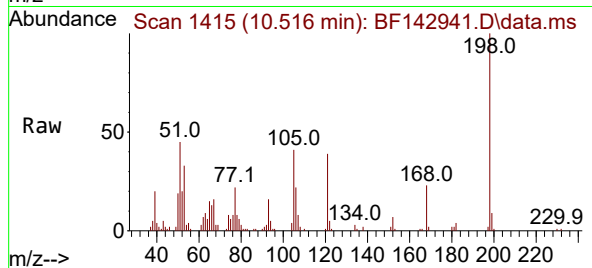




#65
4,6-Dinitro-2-methylphenol
Concen: 37.937 ng
RT: 10.516 min Scan# 1416
Delta R.T. -0.006 min
Lab File: BF142941.D
Acq: 01 Jul 2025 10:47

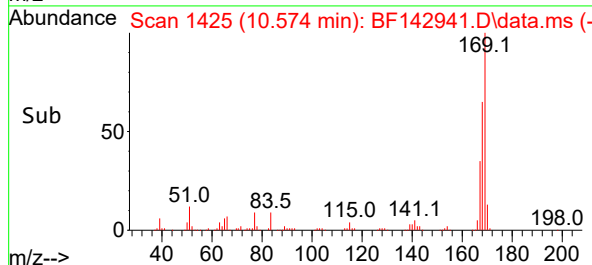
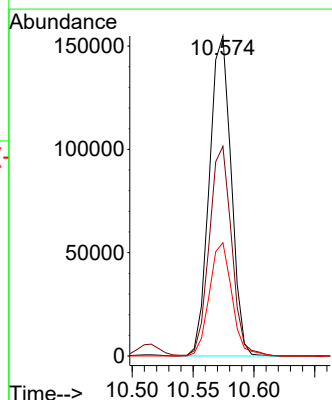
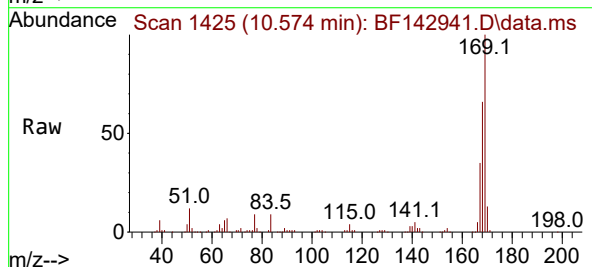
Instrument :
BNA_F
ClientSampleId :
SSTDCCC040

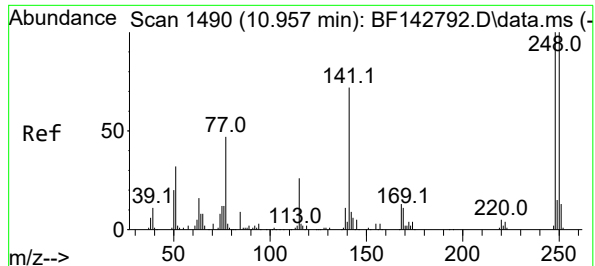
Tgt Ion:198 Resp: 31907
Ion Ratio Lower Upper
198 100
51 44.8 25.4 65.4
105 40.5 20.4 60.4



#66
n-Nitrosodiphenylamine
Concen: 40.030 ng
RT: 10.574 min Scan# 1425
Delta R.T. -0.006 min
Lab File: BF142941.D
Acq: 01 Jul 2025 10:47

Tgt Ion:169 Resp: 192909
Ion Ratio Lower Upper
169 100
168 65.5 51.9 77.9
167 35.4 28.5 42.7

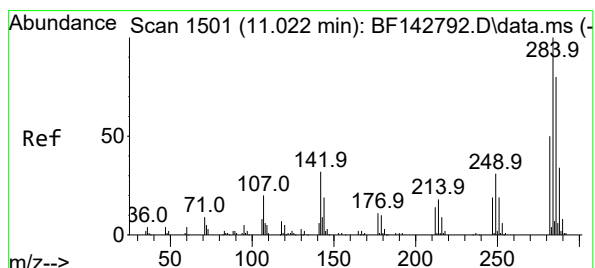
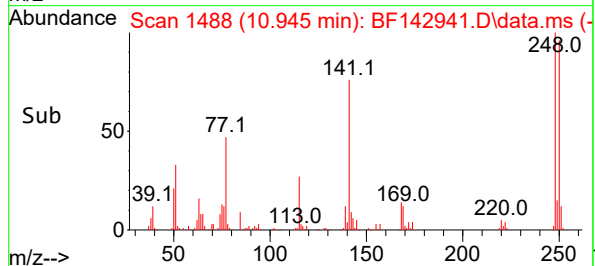
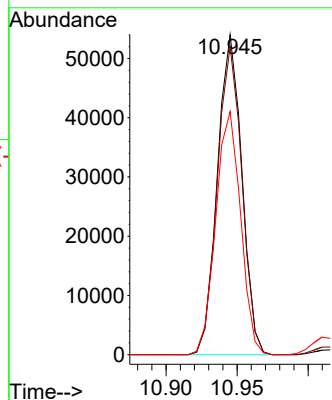
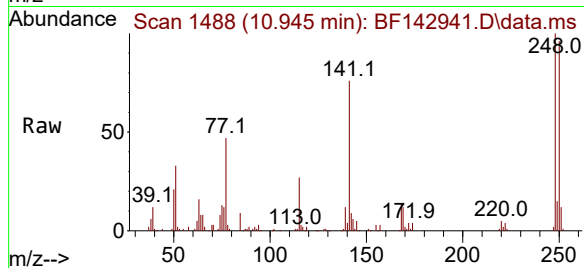




#67
4-Bromophenyl-phenylether
Concen: 40.918 ng
RT: 10.945 min Scan# 1488
Delta R.T. -0.012 min
Lab File: BF142941.D
Acq: 01 Jul 2025 10:47

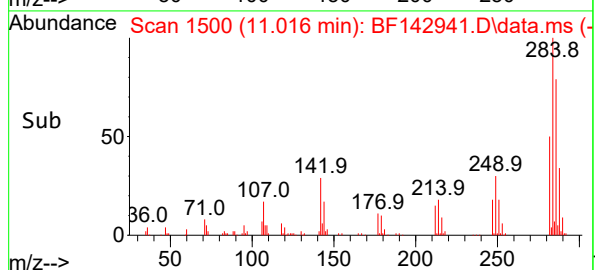
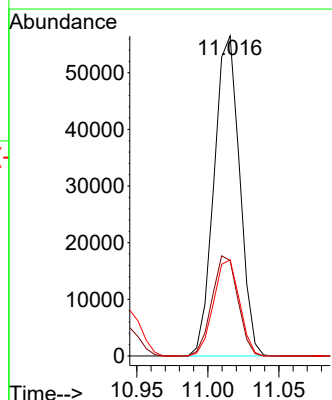
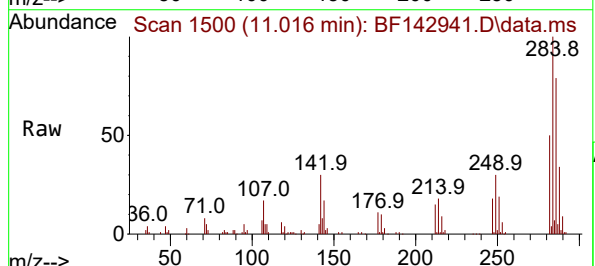
Instrument :
BNA_F
ClientSampleId :
SSTDCCC040

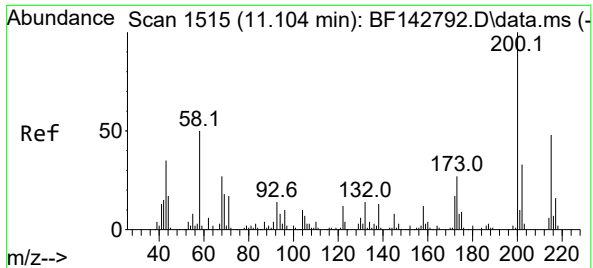
Tgt Ion:248 Resp: 64752
Ion Ratio Lower Upper
248 100
250 96.4 79.8 119.8
141 76.0 57.8 86.6



#68
Hexachlorobenzene
Concen: 40.197 ng
RT: 11.016 min Scan# 1500
Delta R.T. -0.006 min
Lab File: BF142941.D
Acq: 01 Jul 2025 10:47

Tgt Ion:284 Resp: 70683
Ion Ratio Lower Upper
284 100
142 29.8 25.5 38.3
249 30.0 24.9 37.3





#69

Atrazine

Concen: 41.722 ng

RT: 11.098 min Scan# 1514

Delta R.T. -0.006 min

Lab File: BF142941.D

Acq: 01 Jul 2025 10:47

Instrument :

BNA_F

ClientSampleId :

SSTDCCC040

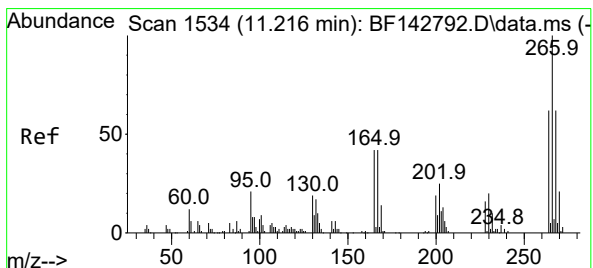
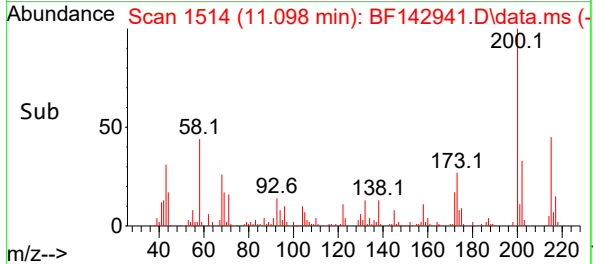
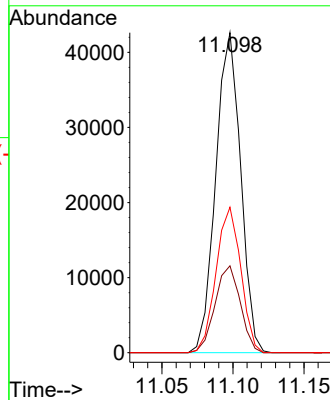
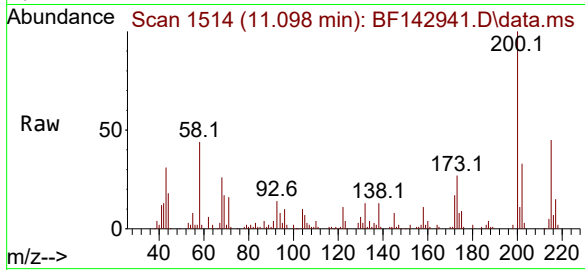
Tgt Ion:200 Resp: 51920

Ion Ratio Lower Upper

200 100

173 27.2 7.4 47.4

215 45.5 28.4 68.4



#70

Pentachlorophenol

Concen: 33.785 ng

RT: 11.210 min Scan# 1533

Delta R.T. -0.006 min

Lab File: BF142941.D

Acq: 01 Jul 2025 10:47

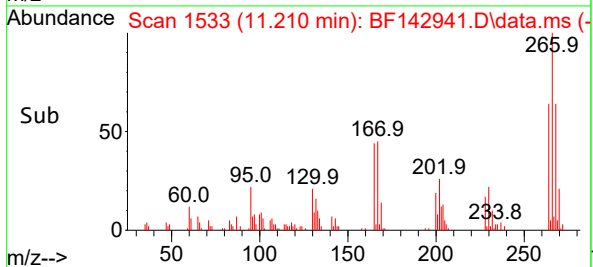
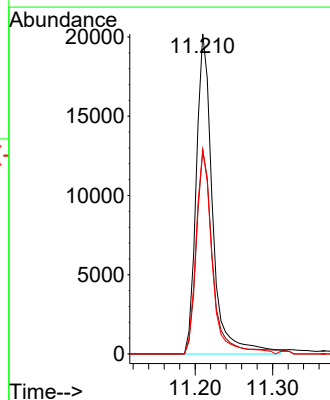
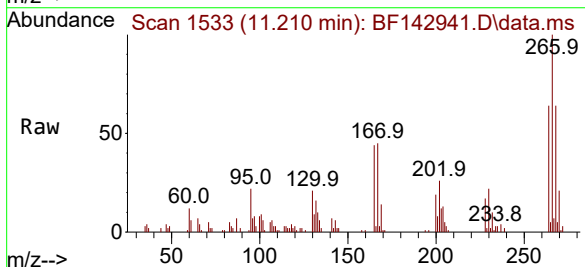
Tgt Ion:266 Resp: 29603

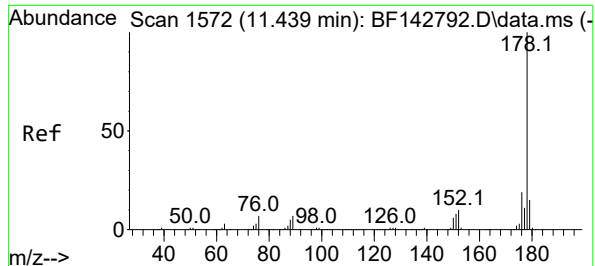
Ion Ratio Lower Upper

266 100

268 63.6 49.8 74.8

264 63.9 49.9 74.9





#71

Phenanthrene

Concen: 39.195 ng

RT: 11.427 min Scan# 1570

Delta R.T. -0.012 min

Lab File: BF142941.D

Acq: 01 Jul 2025 10:47

Instrument :

BNA_F

ClientSampleId :

SSTDCCC040

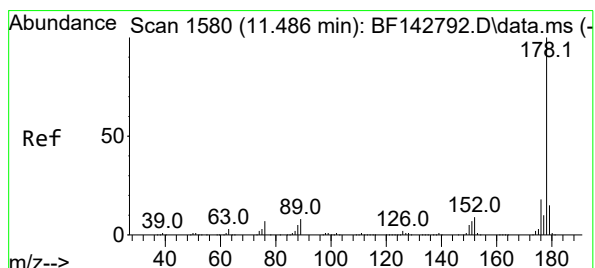
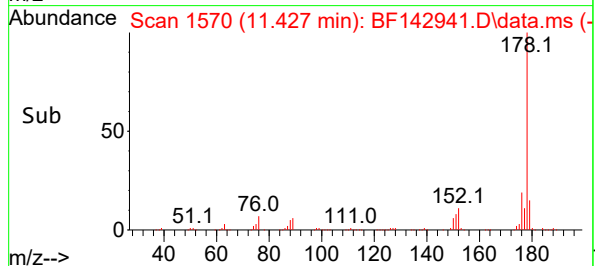
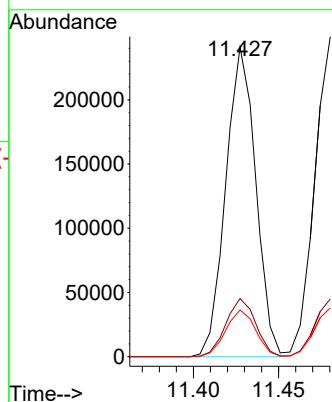
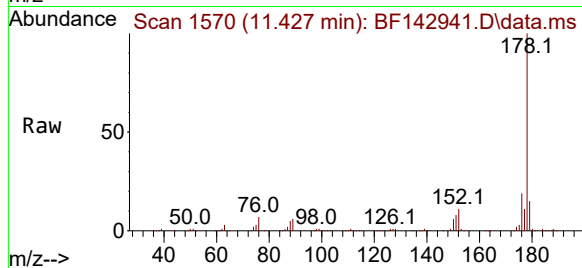
Tgt Ion:178 Resp: 295227

Ion Ratio Lower Upper

178 100

176 18.8 15.1 22.7

179 15.1 12.0 18.0



#72

Anthracene

Concen: 39.858 ng

RT: 11.480 min Scan# 1579

Delta R.T. -0.006 min

Lab File: BF142941.D

Acq: 01 Jul 2025 10:47

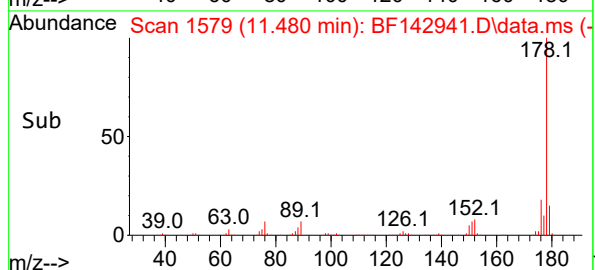
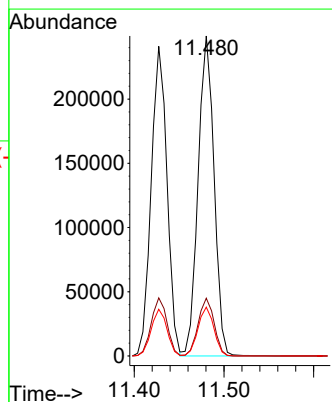
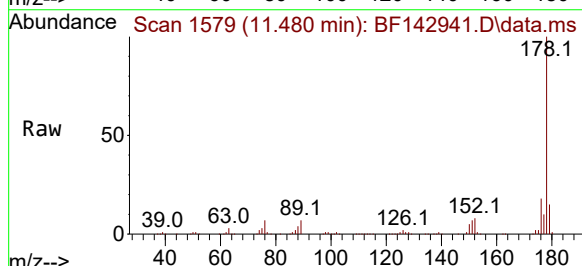
Tgt Ion:178 Resp: 307903

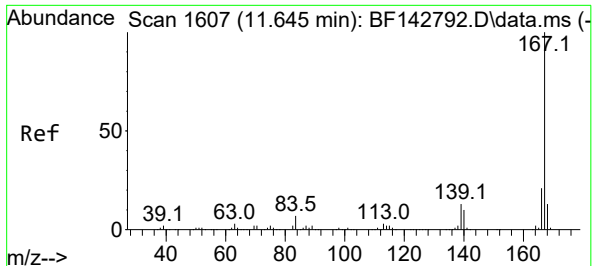
Ion Ratio Lower Upper

178 100

176 18.0 14.6 21.8

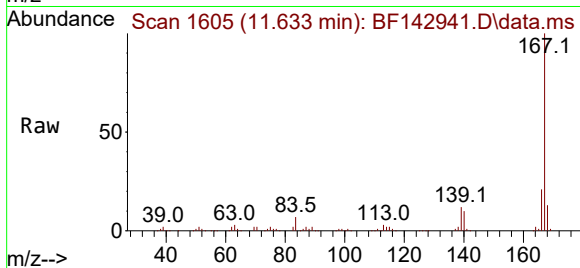
179 15.3 12.4 18.6



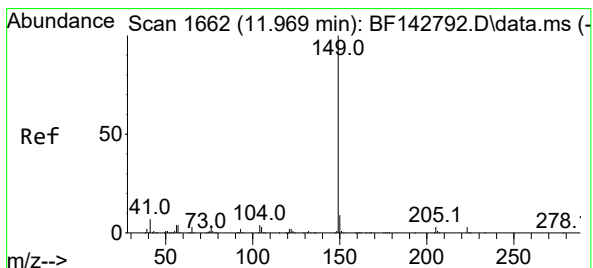
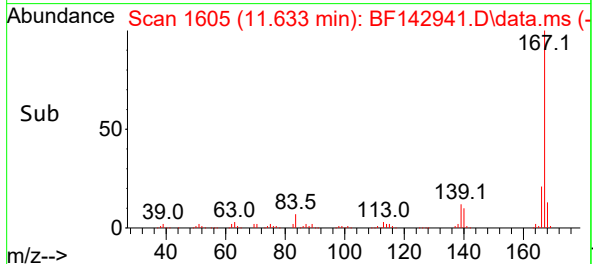
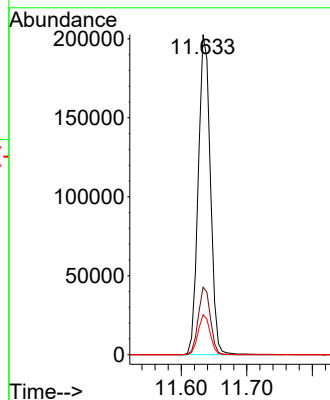


#73
Carbazole
Concen: 39.151 ng
RT: 11.633 min Scan# 1605
Delta R.T. -0.012 min
Lab File: BF142941.D
Acq: 01 Jul 2025 10:47

Instrument :
BNA_F
ClientSampleId :
SSTDCCC040

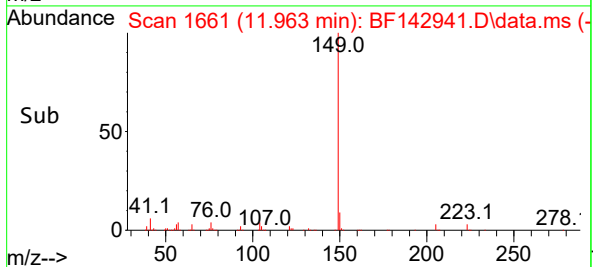
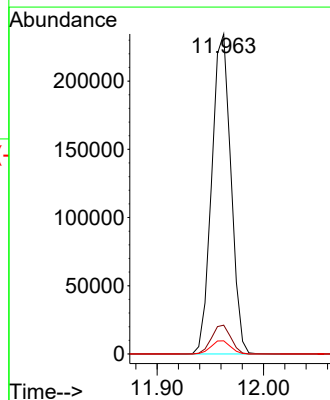
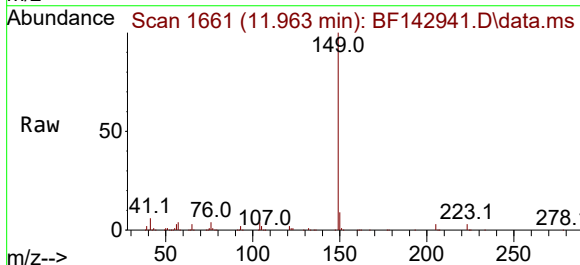


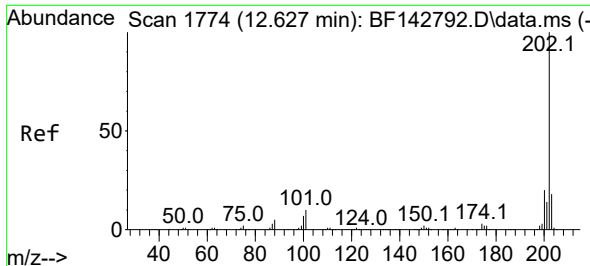
Tgt Ion:167 Resp: 260992
Ion Ratio Lower Upper
167 100
166 21.1 17.0 25.4
139 12.5 10.2 15.2



#74
Di-n-butylphthalate
Concen: 42.274 ng
RT: 11.963 min Scan# 1661
Delta R.T. -0.006 min
Lab File: BF142941.D
Acq: 01 Jul 2025 10:47

Tgt Ion:149 Resp: 293579
Ion Ratio Lower Upper
149 100
150 9.0 7.4 11.0
104 4.1 3.5 5.3

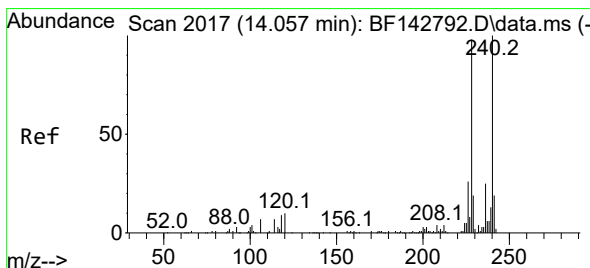
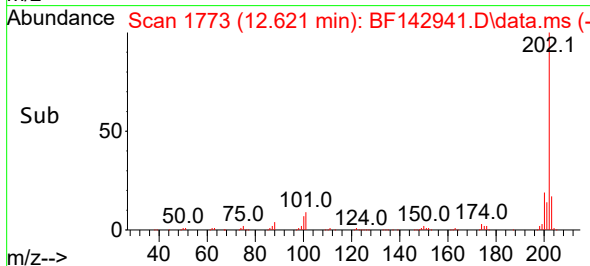
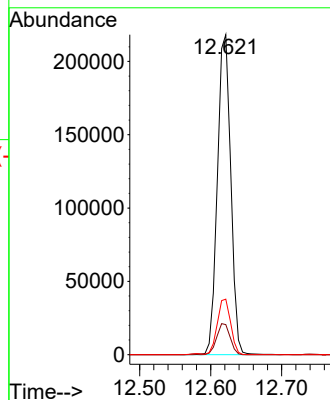
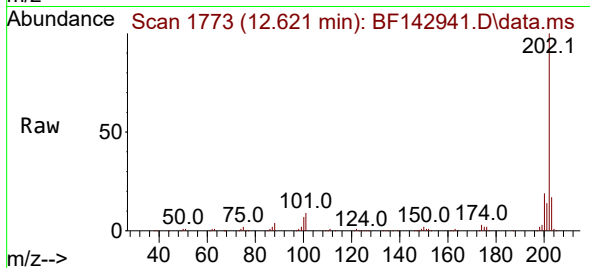




#75
Fluoranthene
Concen: 39.769 ng
RT: 12.621 min Scan# 1774
Delta R.T. -0.006 min
Lab File: BF142941.D
Acq: 01 Jul 2025 10:47

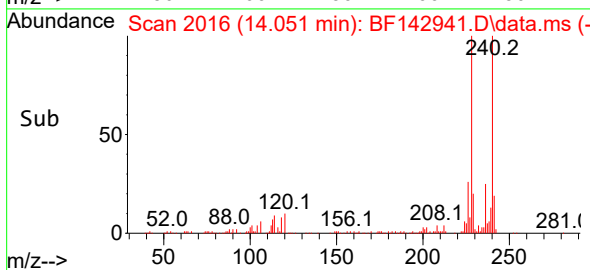
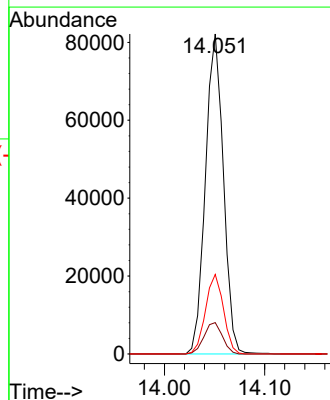
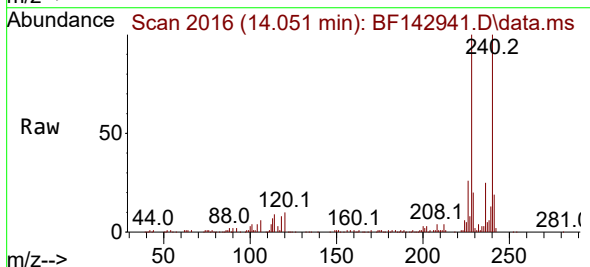
Instrument :
BNA_F
ClientSampleId :
SSTDCCC040

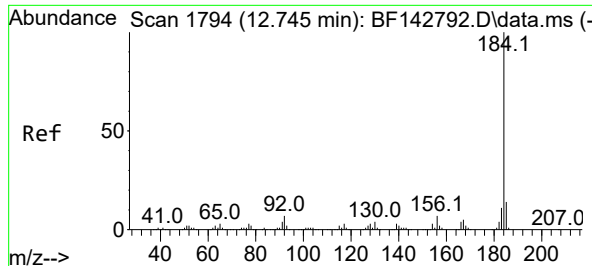
Tgt Ion:202 Resp: 284289
Ion Ratio Lower Upper
202 100
101 9.4 0.0 29.7
203 17.4 0.0 37.5



#76
Chrysene-d12
Concen: 20.000 ng
RT: 14.051 min Scan# 2016
Delta R.T. -0.006 min
Lab File: BF142941.D
Acq: 01 Jul 2025 10:47

Tgt Ion:240 Resp: 102522
Ion Ratio Lower Upper
240 100
120 9.8 8.2 12.2
236 24.9 19.8 29.8

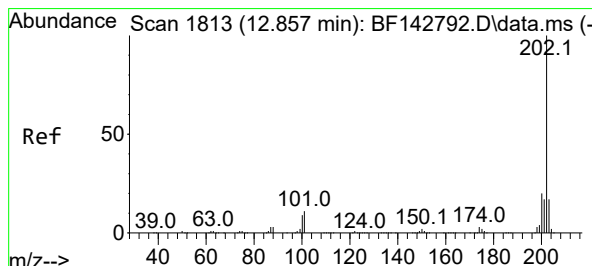
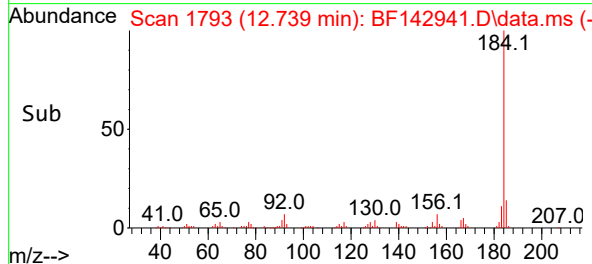
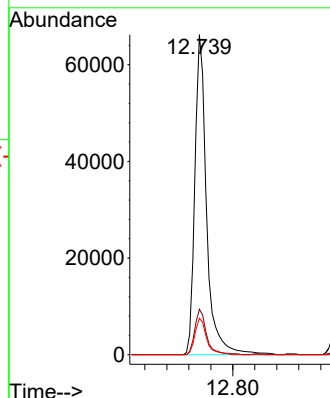
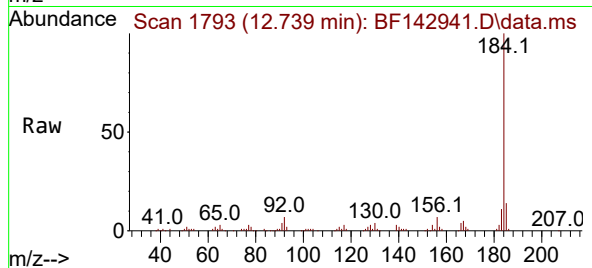




#77
Benzidine
Concen: 25.503 ng
RT: 12.739 min Scan# 1793
Delta R.T. -0.006 min
Lab File: BF142941.D
Acq: 01 Jul 2025 10:47

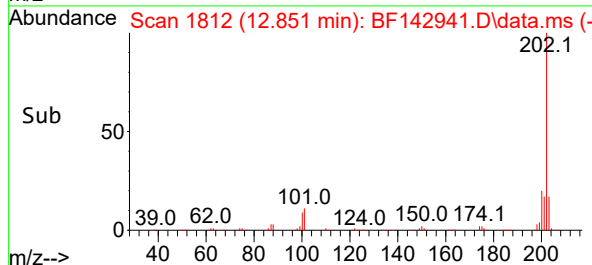
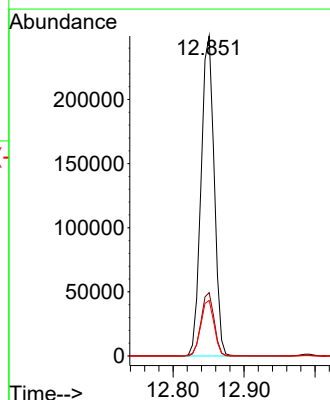
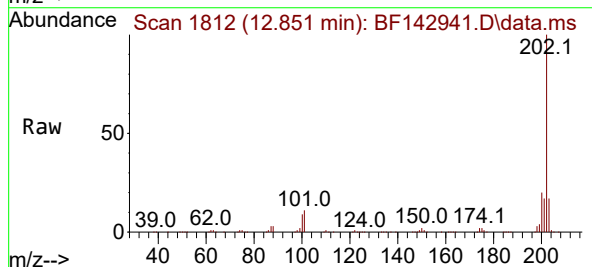
Instrument :
BNA_F
ClientSampleId :
SSTDCCC040

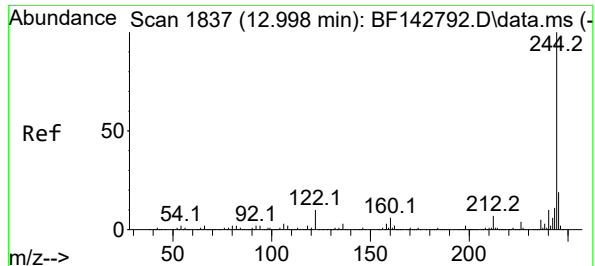
Tgt Ion:184 Resp: 98235
Ion Ratio Lower Upper
184 100
185 14.2 11.5 17.3
183 11.3 9.0 13.4



#78
Pyrene
Concen: 33.421 ng
RT: 12.851 min Scan# 1812
Delta R.T. -0.006 min
Lab File: BF142941.D
Acq: 01 Jul 2025 10:47

Tgt Ion:202 Resp: 321169
Ion Ratio Lower Upper
202 100
200 19.8 15.7 23.5
203 17.3 13.8 20.6





#79

Terphenyl-d14

Concen: 65.699 ng

RT: 12.986 min Scan# 1835

Delta R.T. -0.012 min

Lab File: BF142941.D

Acq: 01 Jul 2025 10:47

Instrument :

BNA_F

ClientSampleId :

SSTDCCC040

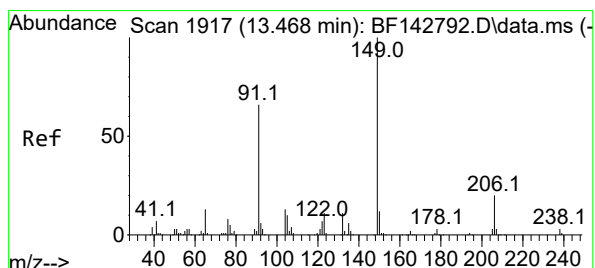
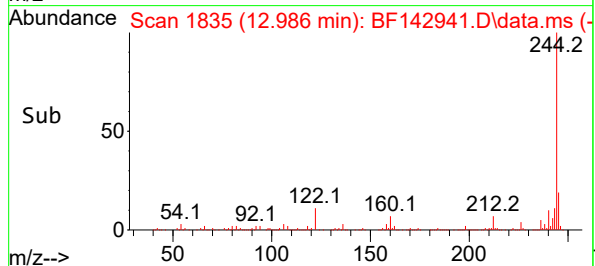
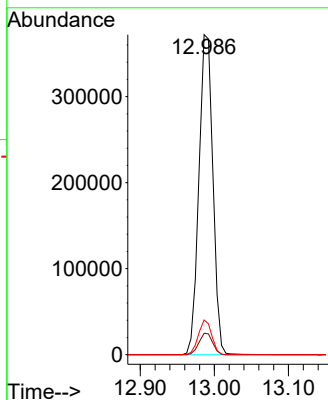
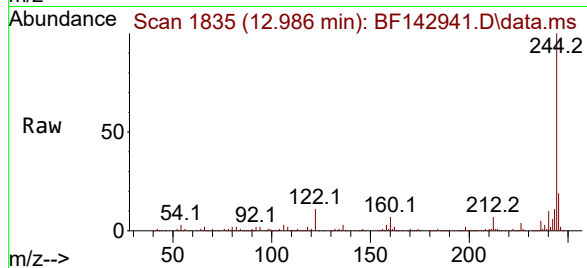
Tgt Ion:244 Resp: 487482

Ion Ratio Lower Upper

244 100

212 6.7 5.4 8.0

122 10.8 8.2 12.2



#80

Butylbenzylphthalate

Concen: 42.675 ng

RT: 13.463 min Scan# 1916

Delta R.T. -0.006 min

Lab File: BF142941.D

Acq: 01 Jul 2025 10:47

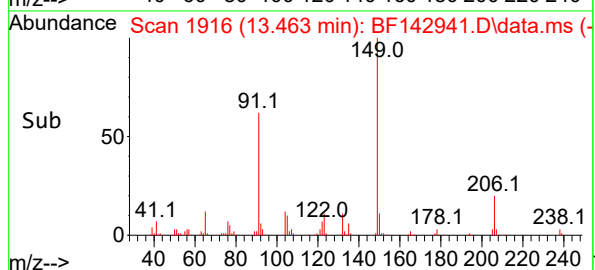
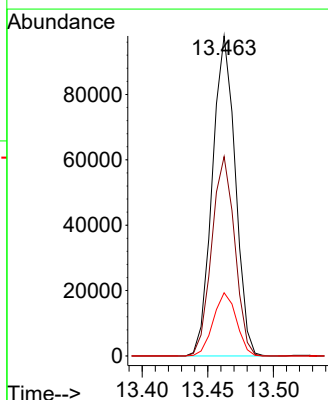
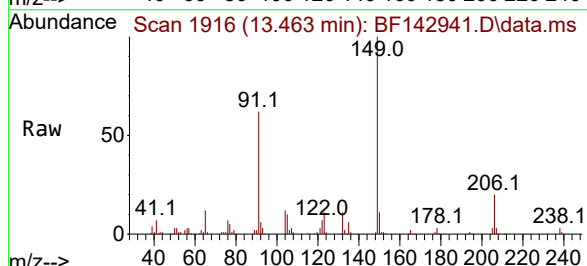
Tgt Ion:149 Resp: 118958

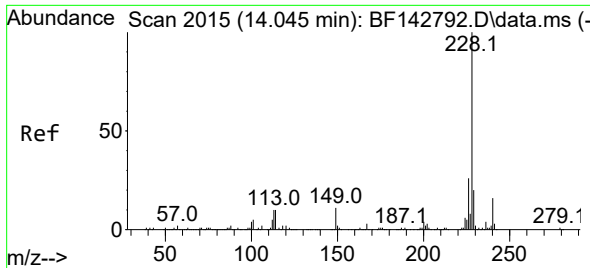
Ion Ratio Lower Upper

149 100

91 62.3 52.9 79.3

206 19.7 16.3 24.5

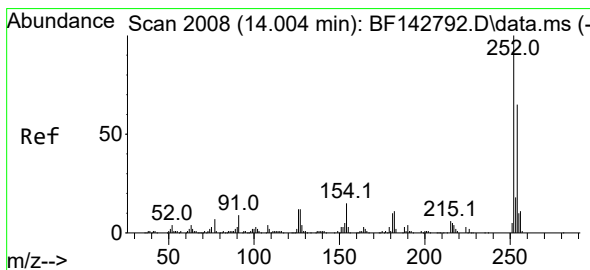
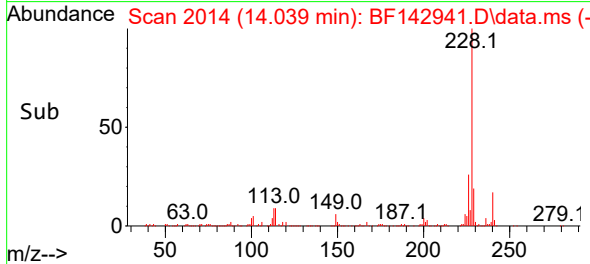
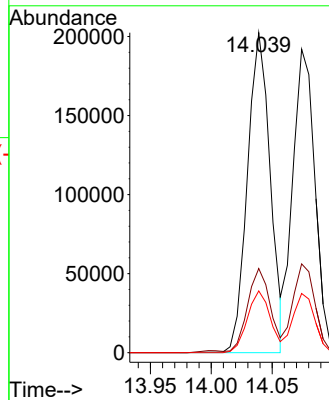
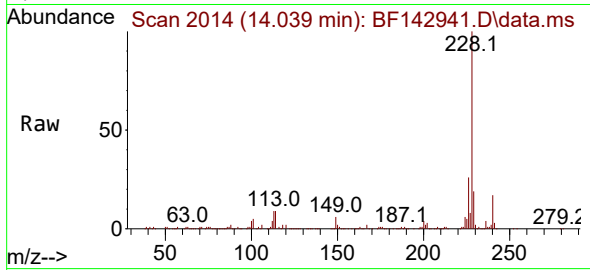




#81
Benzo(a)anthracene
Concen: 38.188 ng
RT: 14.039 min Scan# 20
Delta R.T. -0.006 min
Lab File: BF142941.D
Acq: 01 Jul 2025 10:47

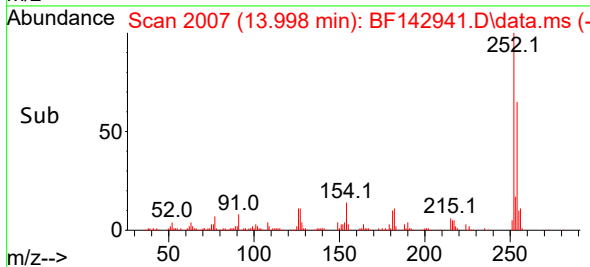
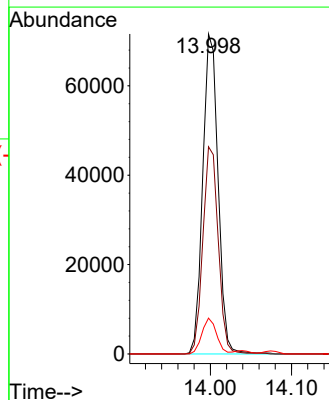
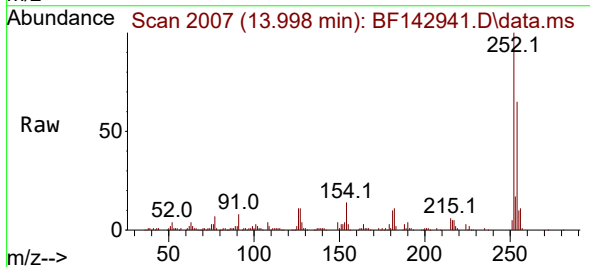
Instrument :
BNA_F
ClientSampleId :
SSTDCCC040

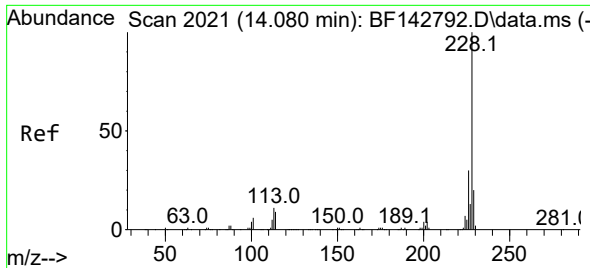
Tgt Ion:228 Resp: 264117
Ion Ratio Lower Upper
228 100
226 26.3 21.2 31.8
229 19.3 15.6 23.4



#82
3,3'-Dichlorobenzidine
Concen: 41.862 ng
RT: 13.998 min Scan# 2007
Delta R.T. -0.006 min
Lab File: BF142941.D
Acq: 01 Jul 2025 10:47

Tgt Ion:252 Resp: 93910
Ion Ratio Lower Upper
252 100
254 64.8 51.7 77.5
126 11.2 9.4 14.2

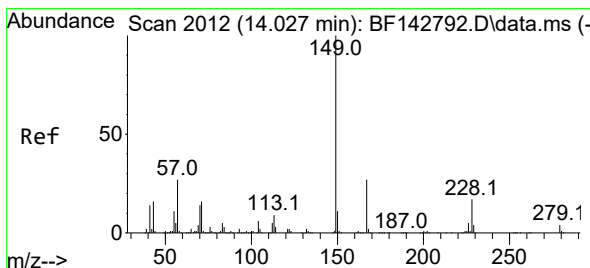
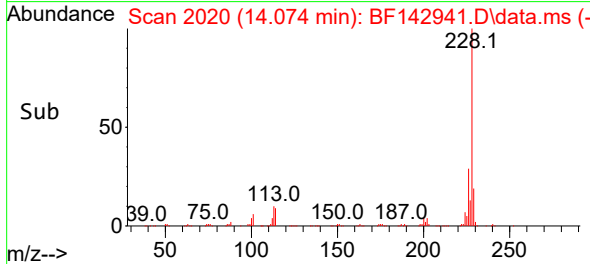
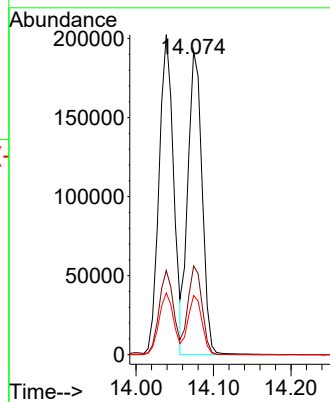
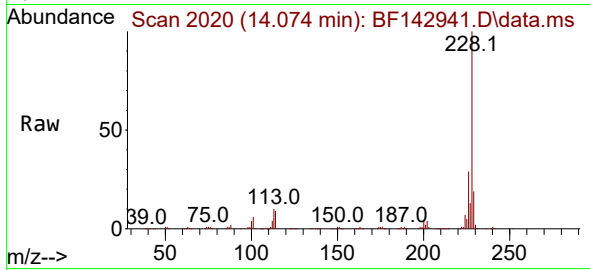




#83
Chrysene
Concen: 39.620 ng
RT: 14.074 min Scan# 2011
Delta R.T. -0.006 min
Lab File: BF142941.D
Acq: 01 Jul 2025 10:47

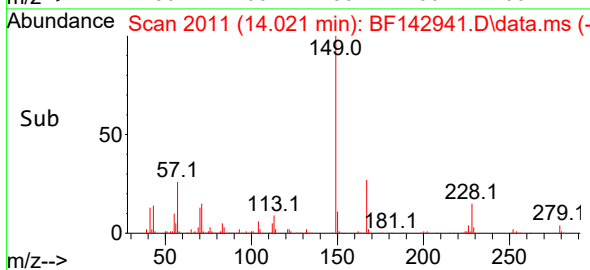
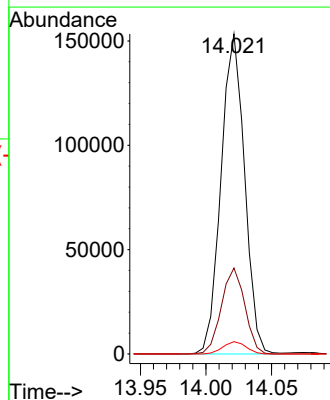
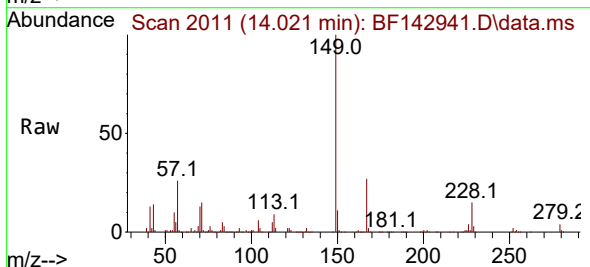
Instrument :
BNA_F
ClientSampleId :
SSTDCCC040

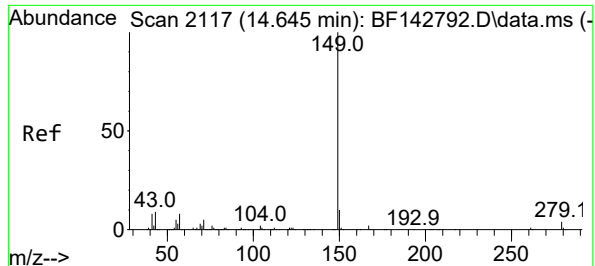
Tgt Ion:228 Resp: 244511
Ion Ratio Lower Upper
228 100
226 29.3 23.7 35.5
229 19.5 15.7 23.5



#84
Bis(2-ethylhexyl)phthalate
Concen: 47.631 ng
RT: 14.021 min Scan# 2011
Delta R.T. -0.006 min
Lab File: BF142941.D
Acq: 01 Jul 2025 10:47

Tgt Ion:149 Resp: 191031
Ion Ratio Lower Upper
149 100
167 26.9 21.4 32.0
279 3.9 3.0 4.6





#85

Di-n-octyl phthalate

Concen: 46.018 ng

RT: 14.633 min Scan# 2115

Delta R.T. -0.012 min

Lab File: BF142941.D

Acq: 01 Jul 2025 10:47

Instrument :

BNA_F

ClientSampleId :

SSTDCCC040

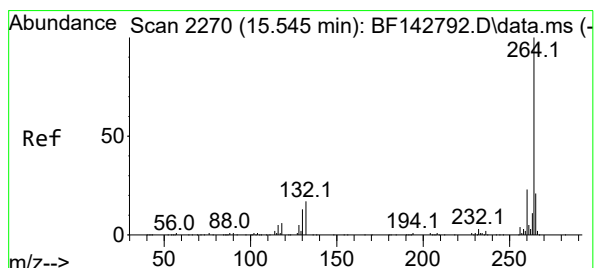
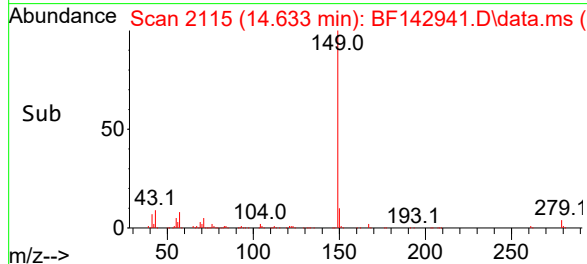
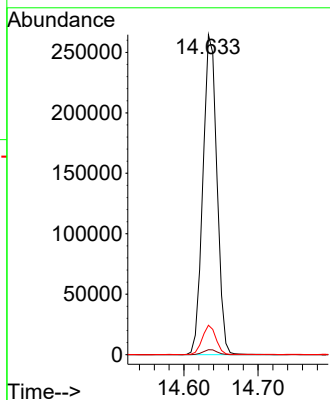
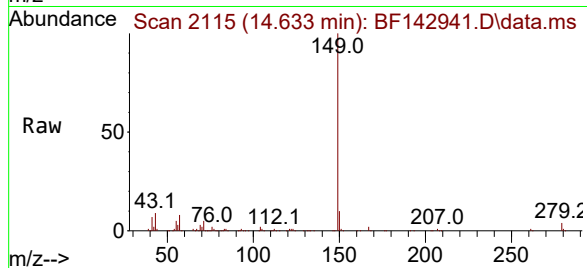
Tgt Ion:149 Resp: 348013

Ion Ratio Lower Upper

149 100

167 1.6 1.3 1.9

43 9.2 7.6 11.4



#86

Perylene-d12

Concen: 20.000 ng

RT: 15.539 min Scan# 2269

Delta R.T. -0.006 min

Lab File: BF142941.D

Acq: 01 Jul 2025 10:47

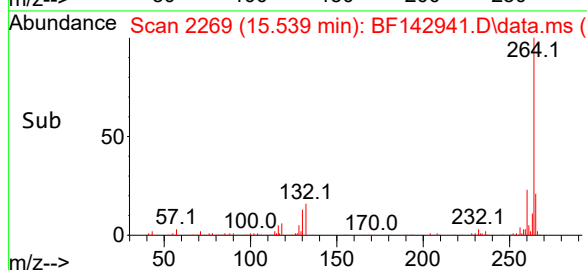
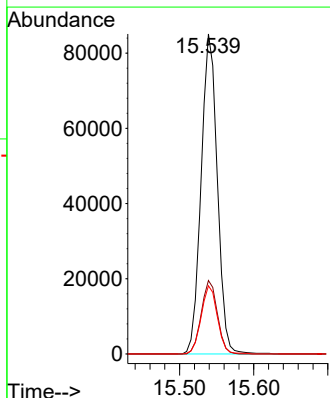
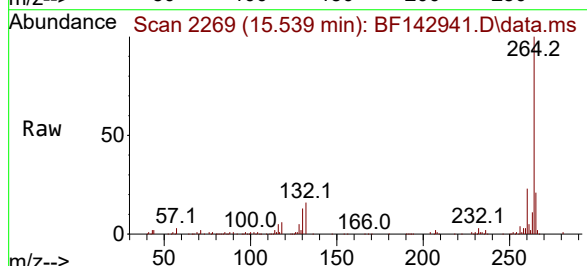
Tgt Ion:264 Resp: 129198

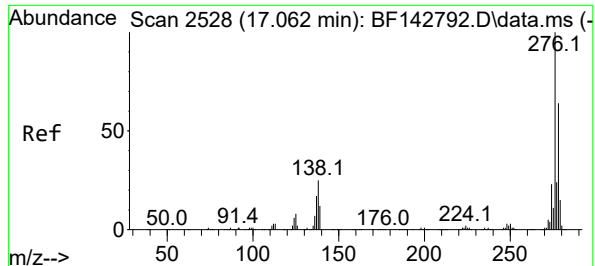
Ion Ratio Lower Upper

264 100

260 23.0 18.1 27.1

265 21.3 16.6 25.0





#87

Indeno(1,2,3-cd)pyrene

Concen: 37.095 ng

RT: 17.056 min Scan# 2195

Delta R.T. -0.006 min

Lab File: BF142941.D

Acq: 01 Jul 2025 10:47

Instrument :

BNA_F

ClientSampleId :

SSTDCCC040

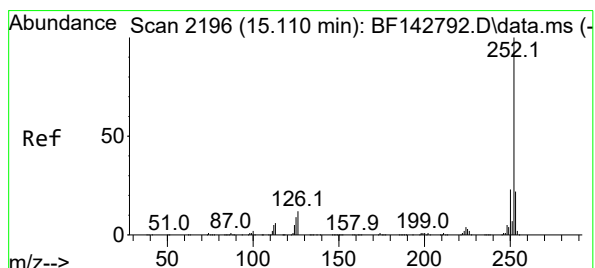
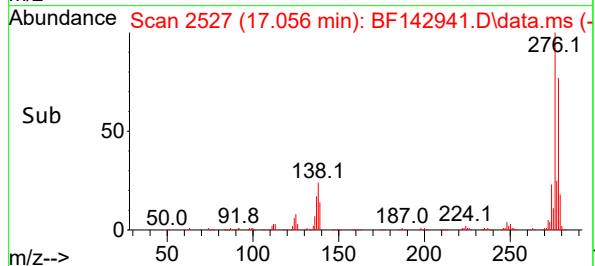
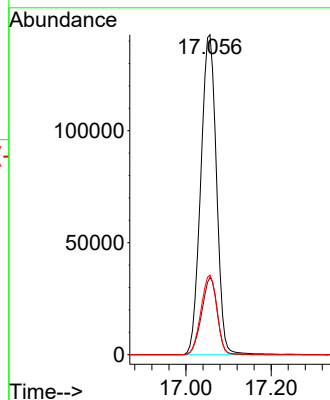
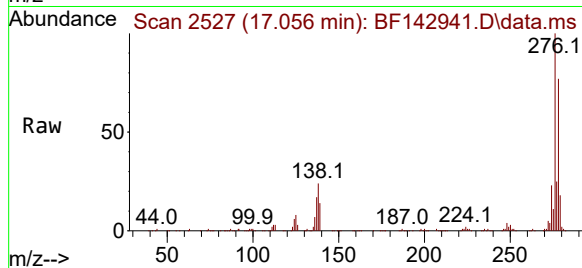
Tgt Ion:276 Resp: 365045

Ion Ratio Lower Upper

276 100

138 24.0 20.2 30.4

277 25.2 19.8 29.6



#88

Benzo(b)fluoranthene

Concen: 38.579 ng

RT: 15.104 min Scan# 2195

Delta R.T. -0.006 min

Lab File: BF142941.D

Acq: 01 Jul 2025 10:47

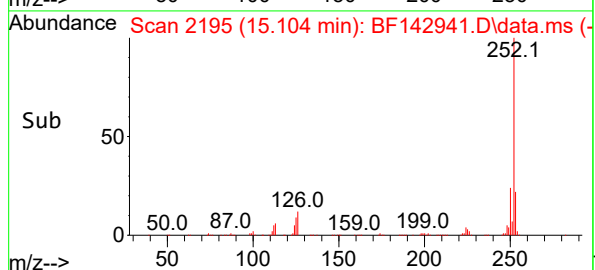
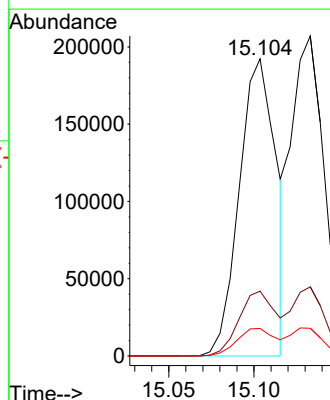
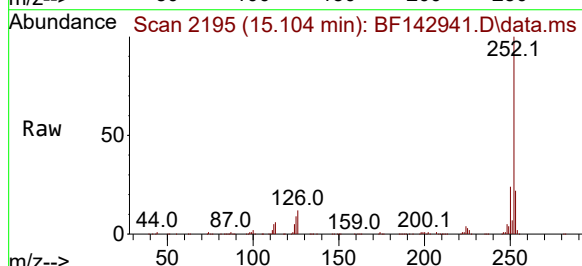
Tgt Ion:252 Resp: 288412

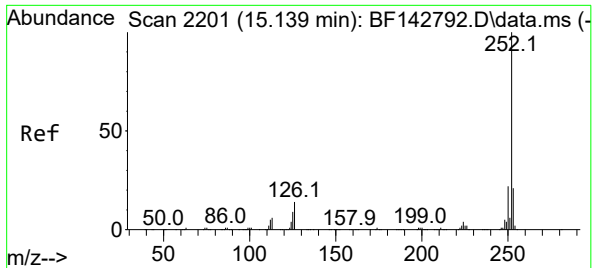
Ion Ratio Lower Upper

252 100

253 21.8 17.5 26.3

125 9.3 7.4 11.0





#89

Benzo(k)fluoranthene

Concen: 40.214 ng

RT: 15.133 min Scan# 21

Delta R.T. -0.006 min

Lab File: BF142941.D

Acq: 01 Jul 2025 10:47

Instrument :

BNA_F

ClientSampleId :

SSTDCCC040

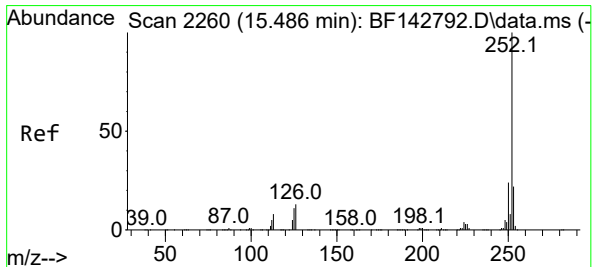
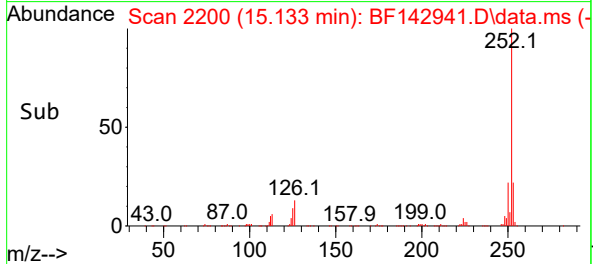
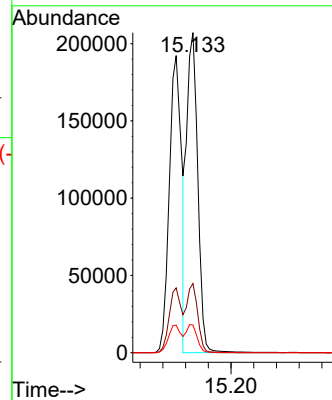
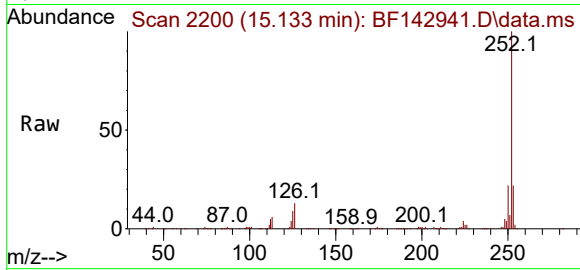
Tgt Ion:252 Resp: 281267

Ion Ratio Lower Upper

252 100

253 21.6 17.2 25.8

125 8.6 7.4 11.2



#90

Benzo(a)pyrene

Concen: 39.539 ng

RT: 15.480 min Scan# 2259

Delta R.T. -0.006 min

Lab File: BF142941.D

Acq: 01 Jul 2025 10:47

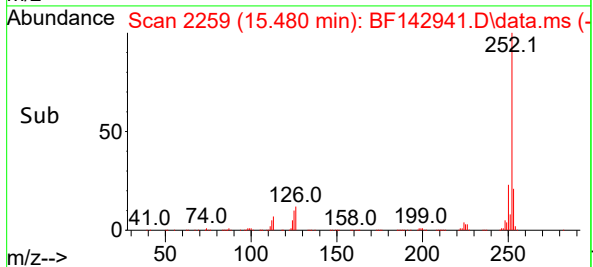
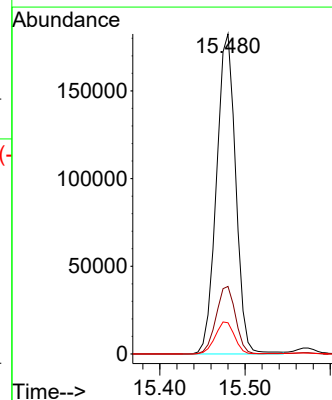
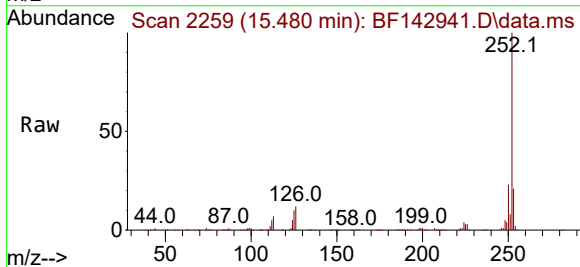
Tgt Ion:252 Resp: 285559

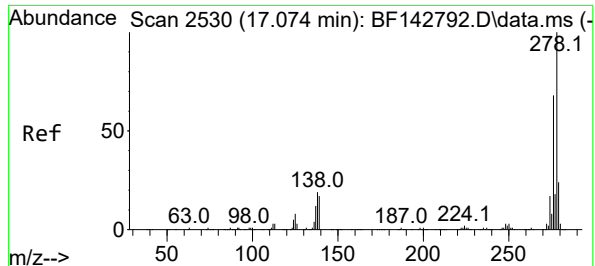
Ion Ratio Lower Upper

252 100

253 21.1 17.5 26.3

125 9.7 8.6 12.8





#91

Dibenzo(a,h)anthracene

Concen: 37.193 ng

RT: 17.068 min Scan# 21

Delta R.T. -0.006 min

Lab File: BF142941.D

Acq: 01 Jul 2025 10:47

Instrument :

BNA_F

ClientSampleId :

SSTDCCC040

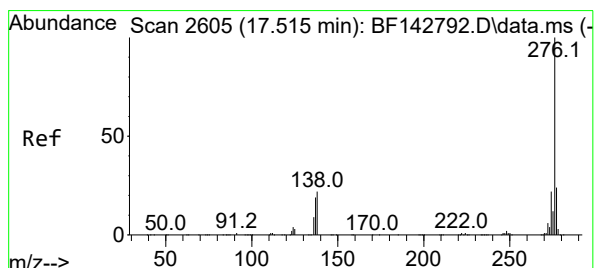
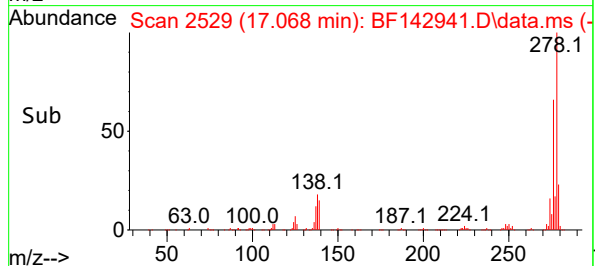
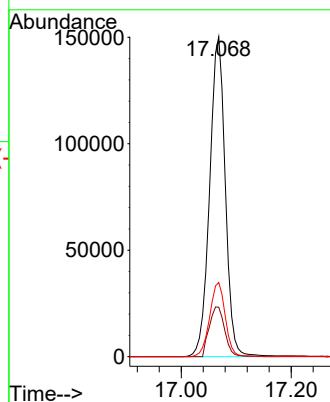
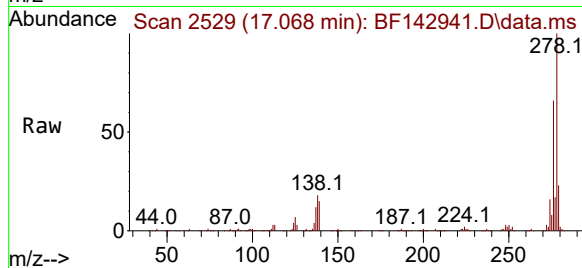
Tgt Ion:278 Resp: 297390

Ion Ratio Lower Upper

278 100

139 15.4 13.5 20.3

279 23.2 18.8 28.2



#92

Benzo(g,h,i)perylene

Concen: 36.721 ng

RT: 17.509 min Scan# 2604

Delta R.T. -0.006 min

Lab File: BF142941.D

Acq: 01 Jul 2025 10:47

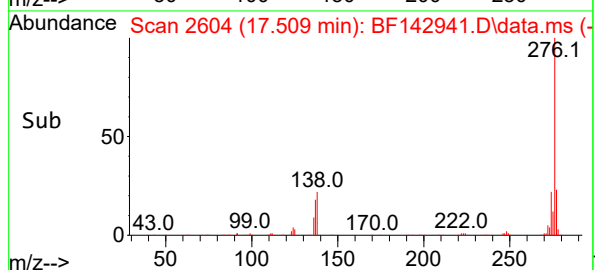
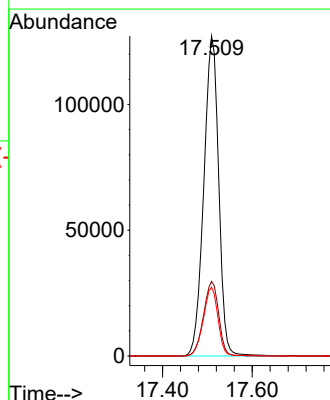
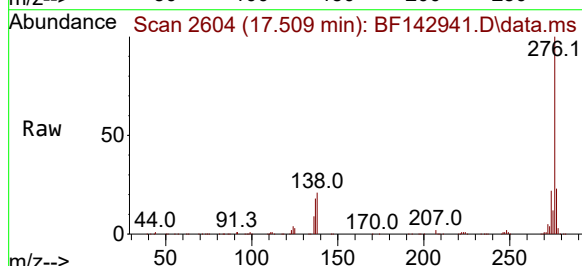
Tgt Ion:276 Resp: 292786

Ion Ratio Lower Upper

276 100

277 23.3 18.8 28.2

138 21.5 17.6 26.4



Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF070125\
 Data File : BF142941.D
 Acq On : 01 Jul 2025 10:47
 Operator : RC/JU
 Sample : SSTDCCC040
 Misc :
 ALS Vial : 2 Sample Multiplier: 1

Instrument :
 BNA_F
 LabSampleId :
 SSTDCCC040

Quant Time: Jul 01 11:49:59 2025
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF061925.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Tue Jun 24 05:28:21 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	63	0.00
2	1,4-Dioxane	0.480	0.455	5.2	62	-0.03
3	Pyridine	1.205	1.108	8.0	60	-0.03
4	n-Nitrosodimethylamine	0.623	0.581	6.7	61	-0.03
5 S	2-Fluorophenol	1.201	1.196	0.4	66	0.00
6	Aniline	1.886	1.766	6.4	61	-0.01
7 S	Phenol-d6	1.417	1.371	3.2	64	0.00
8	2-Chlorophenol	1.296	1.271	1.9	64	0.00
9	Benzaldehyde	0.841	0.981	-16.6	82	0.00
10 C	Phenol	1.575	1.539	2.3	64	0.00
11	bis(2-Chloroethyl)ether	1.126	1.074	4.6	63	0.00
12	1,3-Dichlorobenzene	1.449	1.424	1.7	65	0.00
13 C	1,4-Dichlorobenzene	1.462	1.440	1.5	64	0.00
14	1,2-Dichlorobenzene	1.387	1.369	1.3	65	0.00
15	Benzyl Alcohol	1.025	0.976	4.8	63	0.00
16	2,2'-oxybis(1-Chloropropane	1.809	1.620	10.4	59	-0.01
17	2-Methylphenol	0.982	0.943	4.0	63	0.00
18	Hexachloroethane	0.511	0.499	2.3	63	0.00
19 P	n-Nitroso-di-n-propylamine	0.824	0.752	8.7	60	0.00
20	3+4-Methylphenols	1.224	1.200	2.0	64	0.00
21 I	Naphthalene-d8	1.000	1.000	0.0	61	-0.01
22	Acetophenone	0.441	0.440	0.2	65	0.00
23 S	Nitrobenzene-d5	0.365	0.388	-6.3	67	0.00
24	Nitrobenzene	0.330	0.317	3.9	61	0.00
25	Isophorone	0.585	0.543	7.2	60	0.00
26 C	2-Nitrophenol	0.180	0.182	-1.1	63	0.00
27	2,4-Dimethylphenol	0.311	0.298	4.2	61	0.00
28	bis(2-Chloroethoxy)methane	0.372	0.351	5.6	61	0.00
29 C	2,4-Dichlorophenol	0.282	0.278	1.4	62	0.00
30	1,2,4-Trichlorobenzene	0.310	0.310	0.0	64	0.00
31	Naphthalene	0.979	0.962	1.7	63	0.00
32	Benzoic acid	0.159	0.136	14.5	53	-0.01
33	4-Chloroaniline	0.398	0.373	6.3	60	0.00
34 C	Hexachlorobutadiene	0.190	0.192	-1.1	64	0.00
35	Caprolactam	0.075	0.066	12.0	56	-0.01
36 C	4-Chloro-3-methylphenol	0.281	0.259	7.8	59	0.00
37	2-Methylnaphthalene	0.607	0.581	4.3	62	-0.01
38	1-Methylnaphthalene	0.628	0.594	5.4	61	-0.01
39 I	Acenaphthene-d10	1.000	1.000	0.0	57	0.00
40	1,2,4,5-Tetrachlorobenzene	0.590	0.606	-2.7	62	0.00
41 P	Hexachlorocyclopentadiene	0.335	0.285	14.9	49#	-0.01
42 S	2,4,6-Tribromophenol	0.206	0.185	10.2	53	-0.01
43 C	2,4,6-Trichlorophenol	0.385	0.386	-0.3	60	0.00
44	2,4,5-Trichlorophenol	0.405	0.387	4.4	57	0.00
45 S	2-Fluorobiphenyl	1.522	1.666	-9.5	67	-0.01
46	1,1'-Biphenyl	1.580	1.580	0.0	60	-0.01
47	2-Chloronaphthalene	1.186	1.191	-0.4	60	0.00

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF070125\
 Data File : BF142941.D
 Acq On : 01 Jul 2025 10:47
 Operator : RC/JU
 Sample : SSTDCCC040
 Misc :
 ALS Vial : 2 Sample Multiplier: 1

Instrument :
 BNA_F
 LabSampleId :
 SSTDCCC040

Quant Time: Jul 01 11:49:59 2025
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF061925.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Tue Jun 24 05:28:21 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	0.332	0.310	6.6	55	0.00
49	Acenaphthylene	1.952	1.921	1.6	59	-0.01
50	Dimethylphthalate	1.295	1.215	6.2	57	-0.01
51	2,6-Dinitrotoluene	0.284	0.270	4.9	56	0.00
52 C	Acenaphthene	1.191	1.163	2.4	58	0.00
53	3-Nitroaniline	0.313	0.286	8.6	54	0.00
54 P	2,4-Dinitrophenol	0.142	0.118	16.9	48#	0.00
55	Dibenzofuran	1.708	1.646	3.6	58	0.00
56 P	4-Nitrophenol	0.214	0.170	20.6	47#	0.00
57	2,4-Dinitrotoluene	0.378	0.345	8.7	54	0.00
58	Fluorene	1.334	1.252	6.1	57	-0.01
59	2,3,4,6-Tetrachlorophenol	0.326	0.292	10.4	54	0.00
60	Diethylphthalate	1.269	1.171	7.7	55	0.00
61	4-Chlorophenyl-phenylether	0.636	0.605	4.9	58	0.00
62	4-Nitroaniline	0.286	0.264	7.7	55	0.00
63	Azobenzene	1.134	1.029	9.3	55	0.00
64 I	Phenanthrene-d10	1.000	1.000	0.0	53	0.00
65	4,6-Dinitro-2-methylphenol	0.121	0.115	5.0	51	0.00
66 c	n-Nitrosodiphenylamine	0.693	0.694	-0.1	55	0.00
67	4-Bromophenyl-phenylether	0.228	0.233	-2.2	56	-0.01
68	Hexachlorobenzene	0.253	0.254	-0.4	56	0.00
69	Atrazine	0.179	0.187	-4.5	57	0.00
70 C	Pentachlorophenol	0.126	0.106	15.9	45#	0.00
71	Phenanthrene	1.083	1.062	1.9	54	-0.01
72	Anthracene	1.111	1.107	0.4	55	0.00
73	Carbazole	0.959	0.938	2.2	55	-0.01
74	Di-n-butylphthalate	0.999	1.056	-5.7	59	0.00
75 C	Fluoranthene	1.028	1.022	0.6	57	0.00
76 I	Chrysene-d12	1.000	1.000	0.0	72	0.00
77	Benzidine	0.751	0.479	36.2#	45#	0.00
78	Pyrene	1.875	1.566	16.5	65	0.00
79 S	Terphenyl-d14	1.447	1.189	17.8	64	-0.01
80	Butylbenzylphthalate	0.544	0.580	-6.6	76	0.00
81	Benzo(a)anthracene	1.349	1.288	4.5	73	0.00
82	3,3'-Dichlorobenzidine	0.438	0.458	-4.6	77	0.00
83	Chrysene	1.204	1.192	1.0	74	0.00
84	Bis(2-ethylhexyl)phthalate	0.782	0.932	-19.2	83	0.00
85 c	Di-n-octyl phthalate	1.475	1.697	-15.1	83	-0.01
86 I	Perylene-d12	1.000	1.000	0.0	76	0.00
87	Indeno(1,2,3-cd)pyrene	1.523	1.413	7.2	73	0.00
88	Benzo(b)fluoranthene	1.157	1.116	3.5	79	0.00
89	Benzo(k)fluoranthene	1.083	1.089	-0.6	80	0.00
90 C	Benzo(a)pyrene	1.118	1.105	1.2	78	0.00
91	Dibenzo(a,h)anthracene	1.238	1.151	7.0	74	0.00
92	Benzo(g,h,i)perylene	1.234	1.133	8.2	72	0.00

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF070125\
Data File : BF142941.D
Acq On : 01 Jul 2025 10:47
Operator : RC/JU
Sample : SSTDCCC040
Misc :
ALS Vial : 2 Sample Multiplier: 1

Instrument :
BNA_F
LabSampleId :
SSTDCCC040

Quant Time: Jul 01 11:49:59 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF061925.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Tue Jun 24 05:28:21 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\BF070125\
 Data File : BF142941.D
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 Response via : Initial Calibration

Min. RRF : 0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.50min
 Max. RRF Dev : 25% Max. Rel. Area : 150%

	Compound	Amount	Calc.	%Dev	Area%	Dev(min)
1 I	1,4-Dichlorobenzene-d4	20.000	20.000	0.0	63	0.00
2	1,4-Dioxane	40.000	37.917	5.2	62	-0.03
3	Pyridine	40.000	36.790	8.0	60	-0.03
4	n-Nitrosodimethylamine	40.000	37.287	6.8	61	-0.03
5 S	2-Fluorophenol	80.000	79.628	0.5	66	0.00
6	Aniline	40.000	37.456	6.4	61	-0.01
7 S	Phenol-d6	80.000	77.371	3.3	64	0.00
8	2-Chlorophenol	40.000	39.241	1.9	64	0.00
9	Benzaldehyde	40.000	46.677	-16.7	82	0.00
10 C	Phenol	40.000	39.084	2.3	64	0.00
11	bis(2-Chloroethyl)ether	40.000	38.164	4.6	63	0.00
12	1,3-Dichlorobenzene	40.000	39.315	1.7	65	0.00
13 C	1,4-Dichlorobenzene	40.000	39.381	1.5	64	0.00
14	1,2-Dichlorobenzene	40.000	39.488	1.3	65	0.00
15	Benzyl Alcohol	40.000	38.097	4.8	63	0.00
16	2,2'-oxybis(1-Chloropropane	40.000	35.830	10.4	59	-0.01
17	2-Methylphenol	40.000	38.404	4.0	63	0.00
18	Hexachloroethane	40.000	39.043	2.4	63	0.00
19 P	n-Nitroso-di-n-propylamine	40.000	36.476	8.8	60	0.00
20	3+4-Methylphenols	40.000	39.219	2.0	64	0.00
21 I	Naphthalene-d8	20.000	20.000	0.0	61	-0.01
22	Acetophenone	40.000	39.943	0.1	65	0.00
23 S	Nitrobenzene-d5	80.000	85.123	-6.4	67	0.00
24	Nitrobenzene	40.000	38.367	4.1	61	0.00
25	Isophorone	40.000	37.126	7.2	60	0.00
26 C	2-Nitrophenol	40.000	40.491	-1.2	63	0.00
27	2,4-Dimethylphenol	40.000	38.331	4.2	61	0.00
28	bis(2-Chloroethoxy)methane	40.000	37.774	5.6	61	0.00
29 C	2,4-Dichlorophenol	40.000	39.433	1.4	62	0.00
30	1,2,4-Trichlorobenzene	40.000	39.958	0.1	64	0.00
31	Naphthalene	40.000	39.287	1.8	63	0.00
32	Benzoic acid	40.000	34.311	14.2	53	-0.01
33	4-Chloroaniline	40.000	37.451	6.4	60	0.00
34 C	Hexachlorobutadiene	40.000	40.514	-1.3	64	0.00
35	Caprolactam	40.000	35.294	11.8	56	-0.01
36 C	4-Chloro-3-methylphenol	40.000	36.969	7.6	59	0.00
37	2-Methylnaphthalene	40.000	38.288	4.3	62	-0.01
38	1-Methylnaphthalene	40.000	37.822	5.4	61	-0.01
39 I	Acenaphthene-d10	20.000	20.000	0.0	57	0.00
40	1,2,4,5-Tetrachlorobenzene	40.000	41.043	-2.6	62	0.00
41 P	Hexachlorocyclopentadiene	40.000	34.065	14.8	49	-0.01
42 S	2,4,6-Tribromophenol	80.000	71.936	10.1	53	-0.01
43 C	2,4,6-Trichlorophenol	40.000	40.152	-0.4	60	0.00
44	2,4,5-Trichlorophenol	40.000	38.208	4.5	57	0.00
45 S	2-Fluorobiphenyl	80.000	87.549	-9.4	67	-0.01
46	1,1'-Biphenyl	40.000	40.008	-0.0	60	-0.01
47	2-Chloronaphthalene	40.000	40.175	-0.4	60	0.00

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF070125\
 Data File : BF142941.D
 Acq On : 01 Jul 2025 10:47
 Operator : RC/JU
 Sample : SSTDCCC040
 Misc :
 ALS Vial : 2 Sample Multiplier: 1

Instrument :
 BNA_F
 LabSampleId :
 SSTDCCC040

Quant Time: Jul 01 11:49:59 2025
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF061925.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Tue Jun 24 05:28:21 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	37.332	6.7	55	0.00
49	Acenaphthylene	40.000	39.366	1.6	59	-0.01
50	Dimethylphthalate	40.000	37.545	6.1	57	-0.01
51	2,6-Dinitrotoluene	40.000	38.033	4.9	56	0.00
52 C	Acenaphthene	40.000	39.064	2.3	58	0.00
53	3-Nitroaniline	40.000	36.596	8.5	54	0.00
54 P	2,4-Dinitrophenol	40.000	33.175	17.1	48	0.00
55	Dibenzofuran	40.000	38.558	3.6	58	0.00
56 P	4-Nitrophenol	40.000	31.690	20.8	47	0.00
57	2,4-Dinitrotoluene	40.000	36.552	8.6	54	0.00
58	Fluorene	40.000	37.542	6.1	57	-0.01
59	2,3,4,6-Tetrachlorophenol	40.000	35.793	10.5	54	0.00
60	Diethylphthalate	40.000	36.898	7.8	55	0.00
61	4-Chlorophenyl-phenylether	40.000	37.998	5.0	58	0.00
62	4-Nitroaniline	40.000	36.825	7.9	55	0.00
63	Azobenzene	40.000	36.270	9.3	55	0.00
64 I	Phenanthrene-d10	20.000	20.000	0.0	53	0.00
65	4,6-Dinitro-2-methylphenol	40.000	37.937	5.2	51	0.00
66 c	n-Nitrosodiphenylamine	40.000	40.030	-0.1	55	0.00
67	4-Bromophenyl-phenylether	40.000	40.918	-2.3	56	-0.01
68	Hexachlorobenzene	40.000	40.197	-0.5	56	0.00
69	Atrazine	40.000	41.722	-4.3	57	0.00
70 C	Pentachlorophenol	40.000	33.785	15.5	45	0.00
71	Phenanthrene	40.000	39.195	2.0	54	-0.01
72	Anthracene	40.000	39.858	0.4	55	0.00
73	Carbazole	40.000	39.151	2.1	55	-0.01
74	Di-n-butylphthalate	40.000	42.274	-5.7	59	0.00
75 C	Fluoranthene	40.000	39.769	0.6	57	0.00
76 I	Chrysene-d12	20.000	20.000	0.0	72	0.00
77	Benzydine	40.000	25.503	36.2#	45	0.00
78	Pyrene	40.000	33.421	16.4	65	0.00
79 S	Terphenyl-d14	80.000	65.699	17.9	64	-0.01
80	Butylbenzylphthalate	40.000	42.675	-6.7	76	0.00
81	Benzo(a)anthracene	40.000	38.188	4.5	73	0.00
82	3,3'-Dichlorobenzidine	40.000	41.862	-4.7	77	0.00
83	Chrysene	40.000	39.620	1.0	74	0.00
84	Bis(2-ethylhexyl)phthalate	40.000	47.631	-19.1	83	0.00
85 c	Di-n-octyl phthalate	40.000	46.018	-15.0	83	-0.01
86 I	Perylene-d12	20.000	20.000	0.0	76	0.00
87	Indeno(1,2,3-cd)pyrene	40.000	37.095	7.3	73	0.00
88	Benzo(b)fluoranthene	40.000	38.579	3.6	79	0.00
89	Benzo(k)fluoranthene	40.000	40.214	-0.5	80	0.00
90 C	Benzo(a)pyrene	40.000	39.539	1.2	78	0.00
91	Dibenzo(a,h)anthracene	40.000	37.193	7.0	74	0.00
92	Benzo(g,h,i)perylene	40.000	36.721	8.2	72	0.00

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF070125\
Data File : BF142941.D
Acq On : 01 Jul 2025 10:47
Operator : RC/JU
Sample : SSTDCCC040
Misc :
ALS Vial : 2 Sample Multiplier: 1

Instrument :
BNA_F
LabSampleId :
SSTDCCC040

Quant Time: Jul 01 11:49:59 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF061925.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Tue Jun 24 05:28:21 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



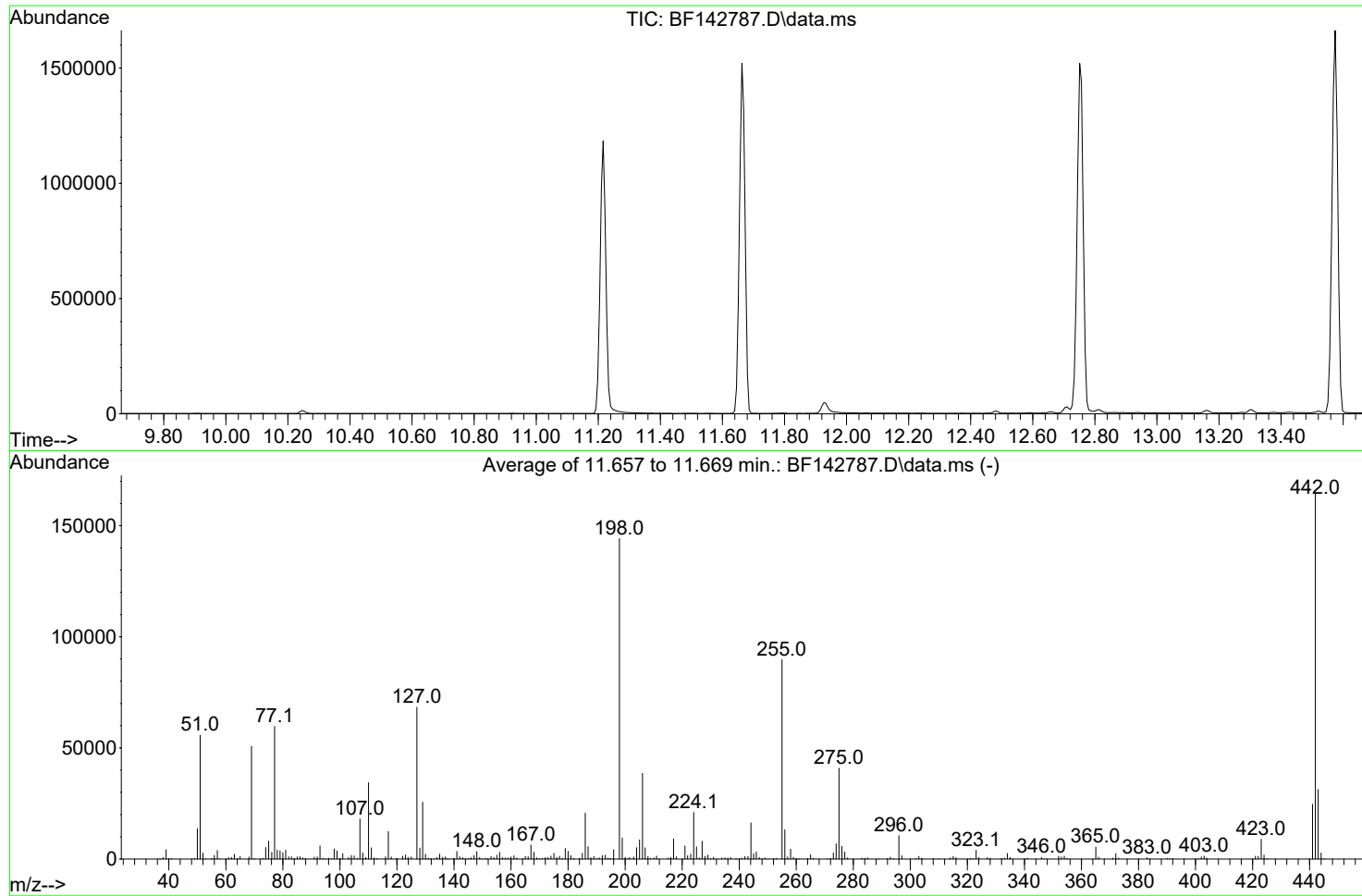
QC SAMPLE DATA

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF061925\
Data File : BF142787.D
Acq On : 19 Jun 2025 16:37
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-BF061925.M
Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
Last Update : Fri Jun 20 05:06:14 2025



AutoFind: Scans 1609, 1610, 1611; Background Corrected with Scan 1603

Target	Rel. to	Lower	Upper	Rel.	Raw	Result
Mass	Mass	Limit%	Limit%	Abn%	Abn	Pass/Fail
68	69	0.00	2	1.8	926	PASS
69	69	100	100	100.0	50712	PASS
70	69	0.00	2	0.5	243	PASS
197	198	0.00	2	0.0	0	PASS
198	198	100	100	100.0	144192	PASS
199	198	5	9	6.6	9464	PASS
365	198	1	100	3.7	5372	PASS
441	443	0.01	150	78.8	24649	PASS
442	442	100	100	100.0	164283	PASS
443	442	15	24	19.1	31296	PASS

DDT Breakdown

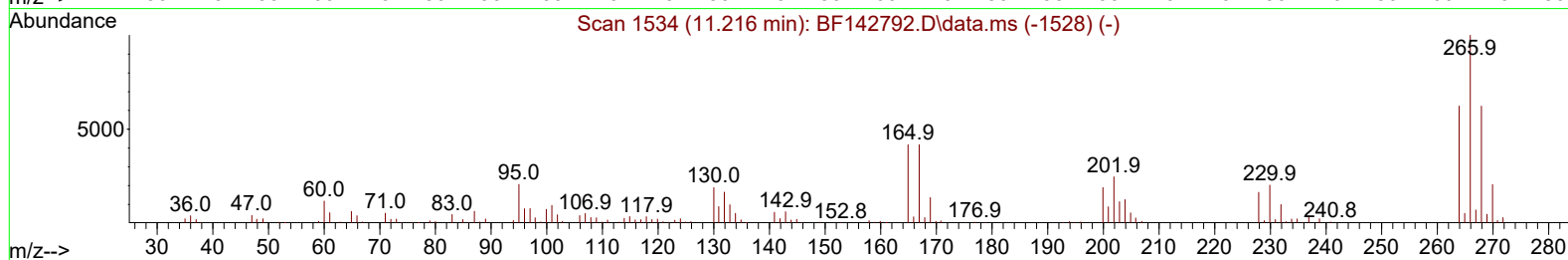
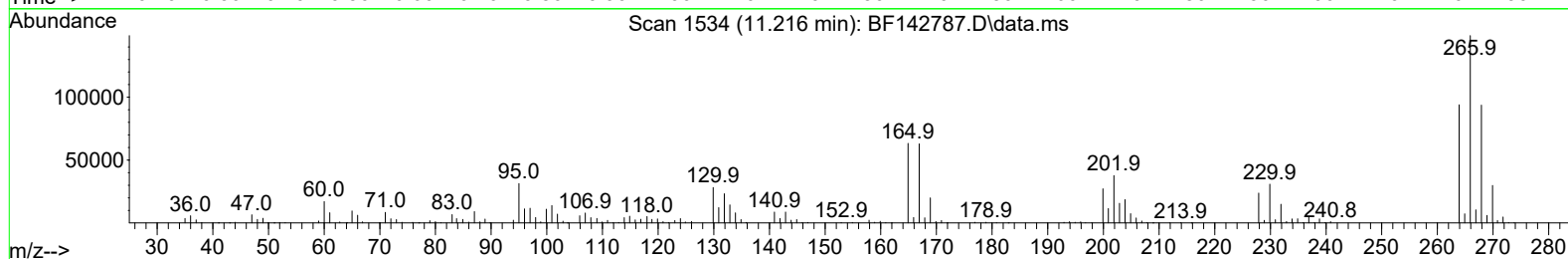
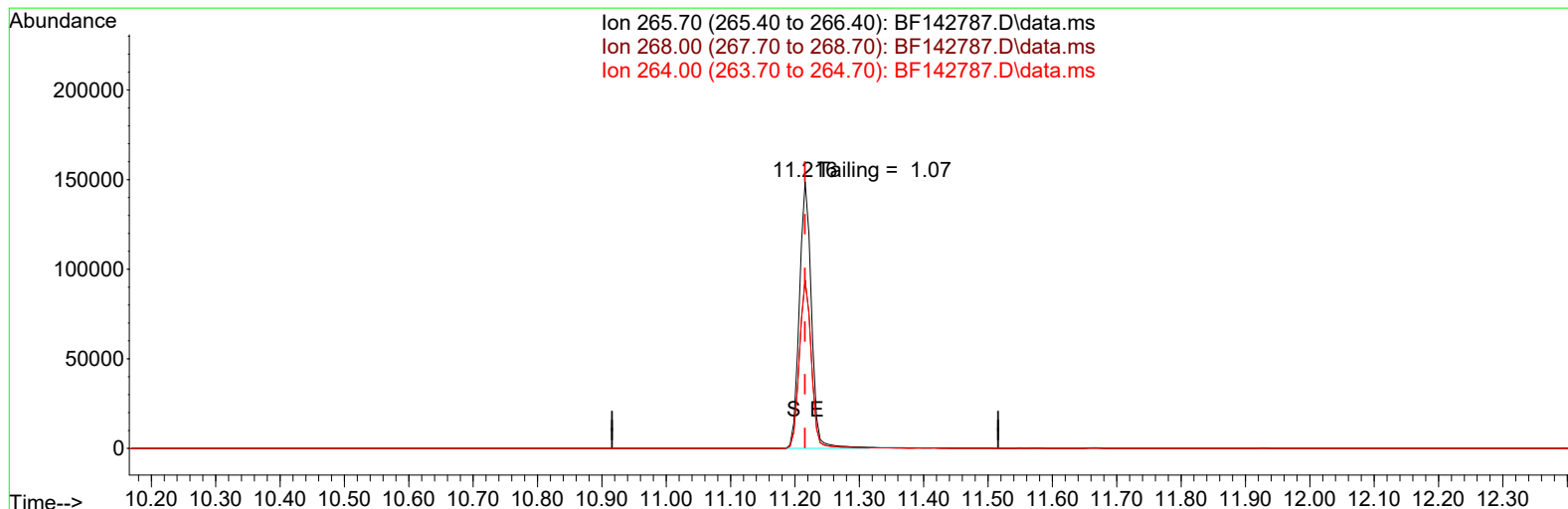
Date	Instrument Name	DFTPP Data File
6/19/2025	BNA_F	<u>BF142787.D</u>
Compound Name	Response	Retention Time
DDT	429715	13.574
DDD	7712	13.304
DDE	717	12.939
SUM(DDD+DDE)	SUM(DDT+DDD+DDE)	% Breakdown Of DDT
8429	438144	1.92

Instrument :
BNA_F
ClientSampleId :
DFTPP

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF061925\
Data File : BF142787.D
Acq On : 19 Jun 2025 16:37
Operator : RC/JU
Sample : DFTPP
Misc :
ALS Vial : 1 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
DFTPP

Quant Time: Jun 20 05:38:32 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF061925.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Fri Jun 20 05:06:14 2025
Response via : Initial Calibration



TIC: BF142787.D\data.ms

(70) Pentachlorophenol (C)

11.216min (+ 0.000) 37164.56 ng

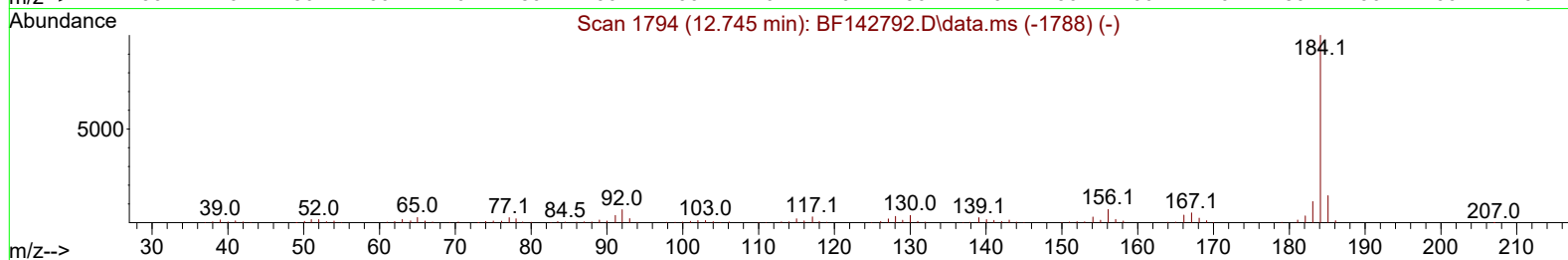
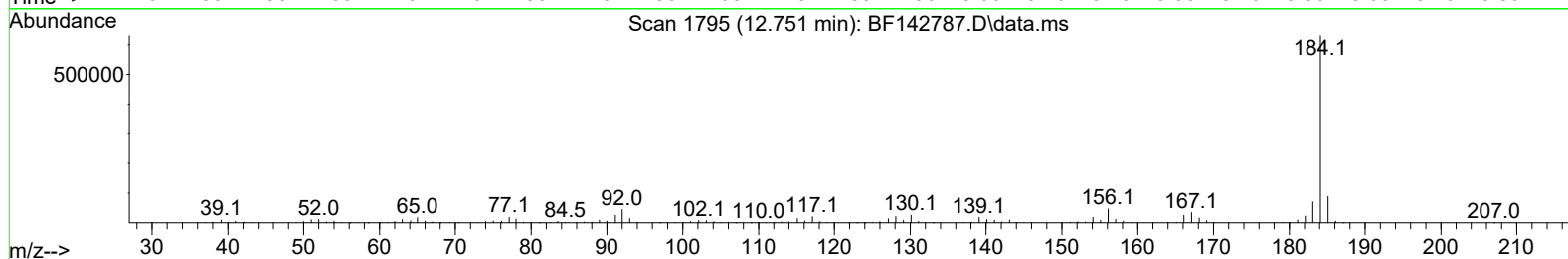
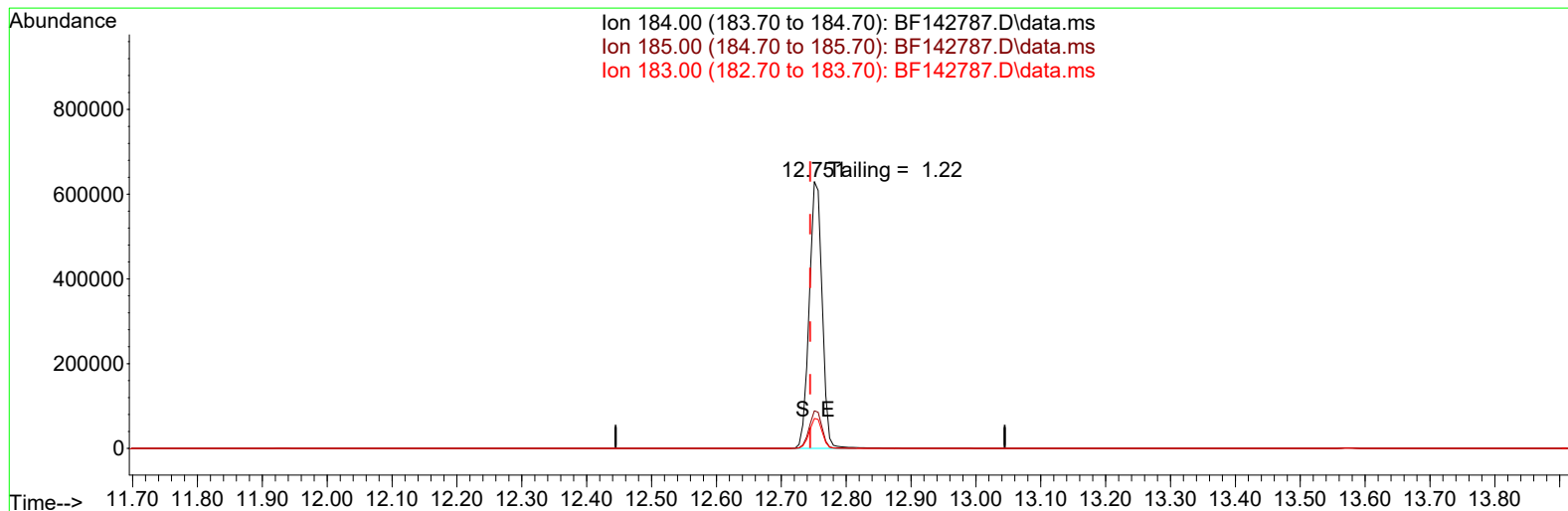
response 195787

Ion	Exp%	Act%
265.70	100.00	100.00
268.00	62.30	62.94
264.00	62.40	63.12
0.00	0.00	0.00

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF061925\
Data File : BF142787.D
Acq On : 19 Jun 2025 16:37
Operator : RC/JU
Sample : DFTPP
Misc :
ALS Vial : 1 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
DFTPP

Quant Time: Jun 20 05:38:32 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF061925.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Fri Jun 20 05:06:14 2025
Response via : Initial Calibration



TIC: BF142787.D\data.ms

(77) Benzidine

12.751min (+ 0.006) 0.00 ng

response 874127

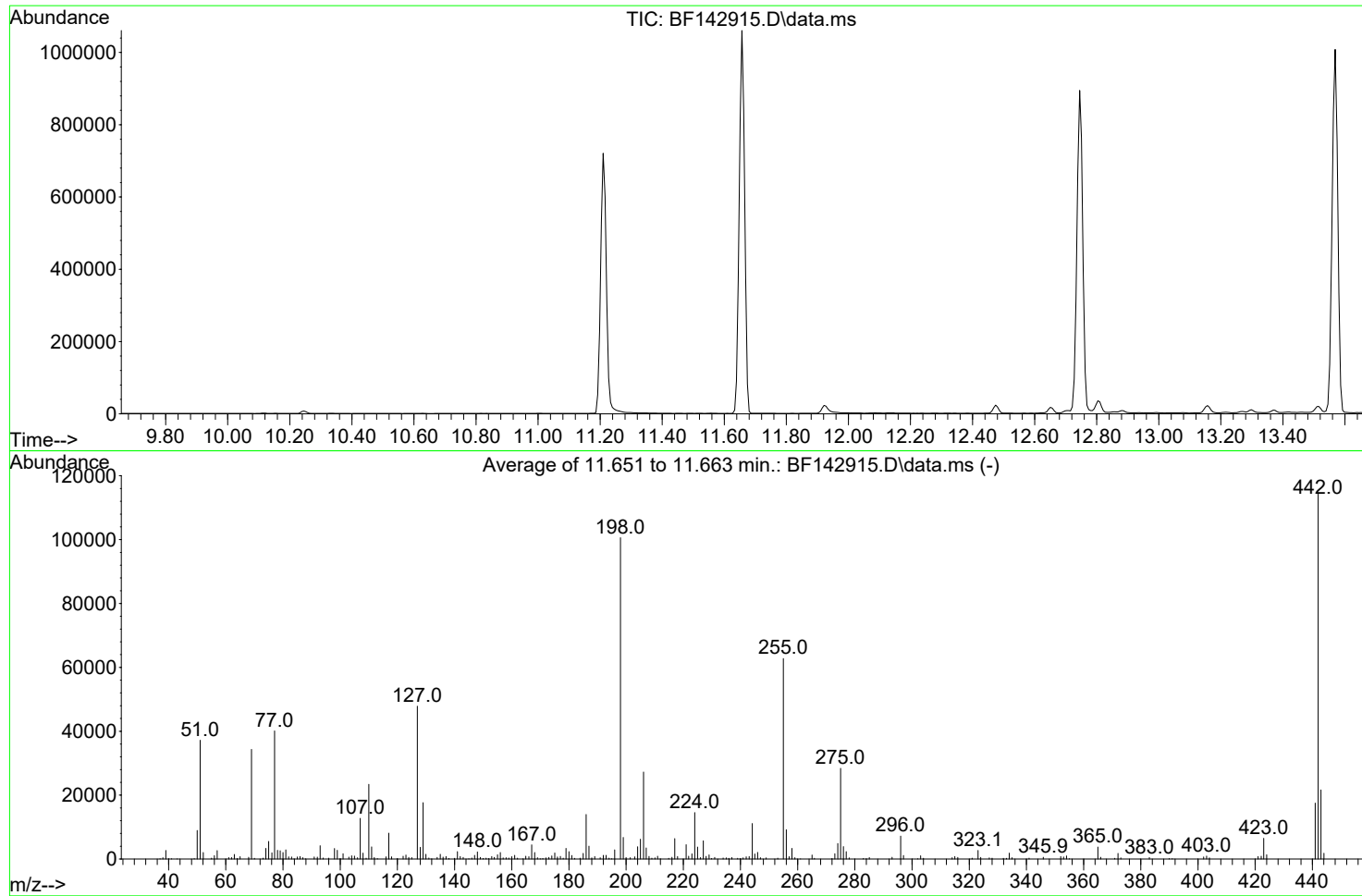
Ion	Exp%	Act%
184.00	100.00	100.00
185.00	14.40	14.11
183.00	11.20	11.25
0.00	0.00	0.00

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF063025\
Data File : BF142915.D
Acq On : 30 Jun 2025 15:05
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-BF061925.M
Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
Last Update : Tue Jun 24 05:28:21 2025



AutoFind: Scans 1608, 1609, 1610; Background Corrected with Scan 1602

Target Mass	Rel. to Mass	Lower Limit%	Upper Limit%	Rel. Abn%	Raw Abn	Result Pass/Fail
68	69	0.00	2	1.7	577	PASS
69	69	100	100	100.0	34325	PASS
70	69	0.00	2	0.7	230	PASS
197	198	0.00	2	0.0	0	PASS
198	198	100	100	100.0	100621	PASS
199	198	5	9	6.7	6787	PASS
365	198	1	100	3.8	3778	PASS
441	443	0.01	150	81.0	17513	PASS
442	442	100	100	100.0	114307	PASS
443	442	15	24	18.9	21622	PASS

DDT Breakdown

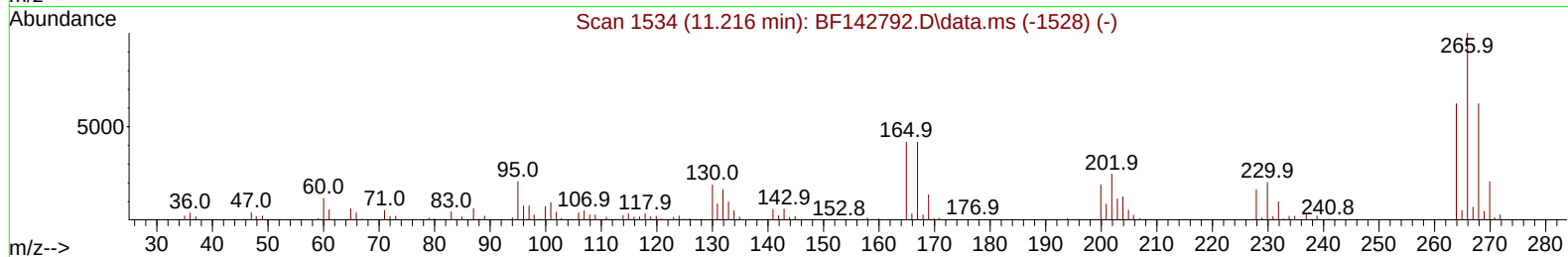
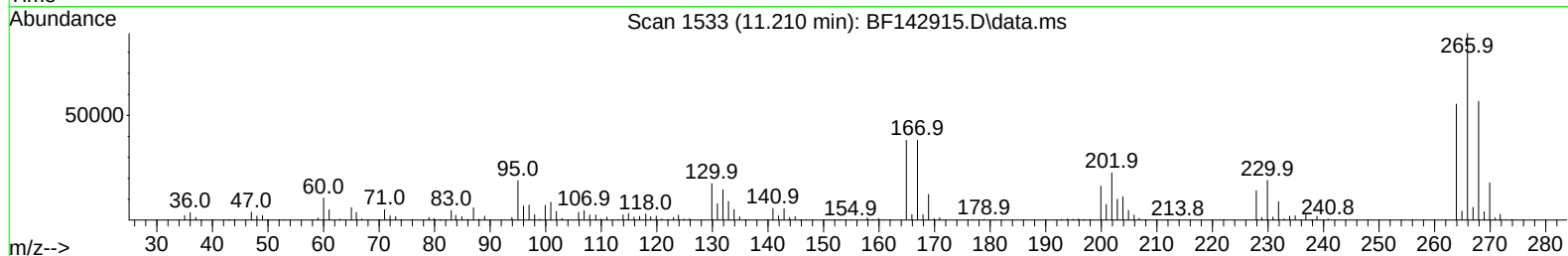
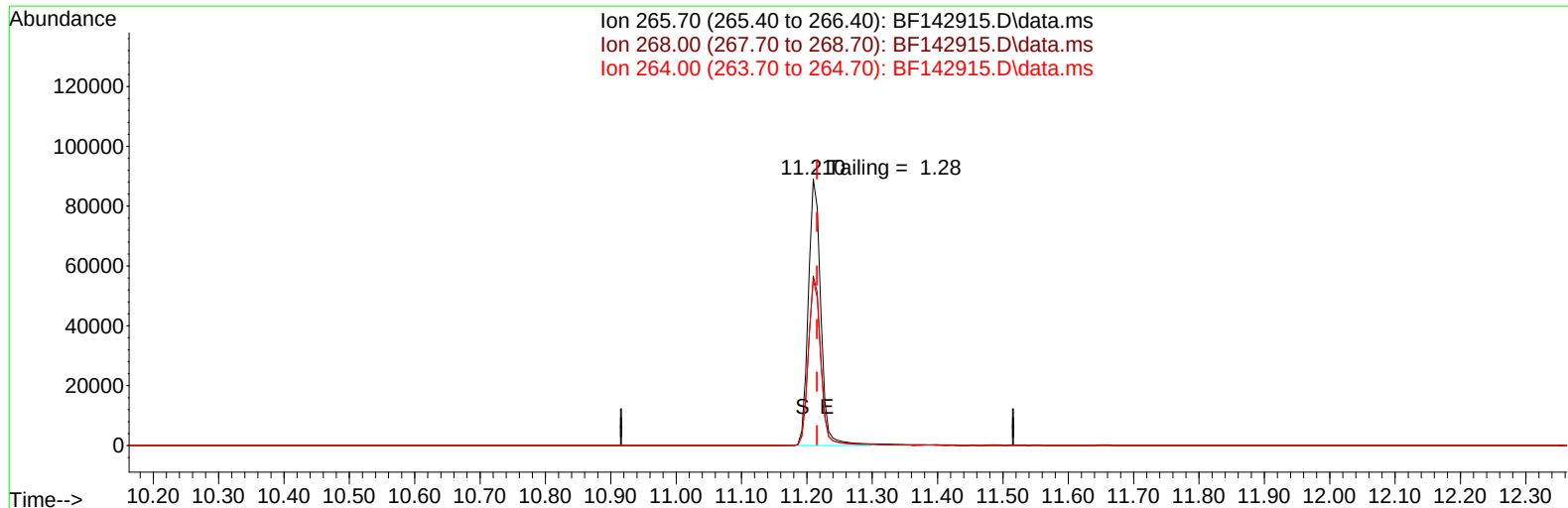
Date	Instrument Name	DFTPP Data File
6/30/2025	BNA_F	<u>BF142906.D</u>
Compound Name	Response	Retention Time
DDT	261830	13.568
DDD	4976	13.298
DDE	417	12.933
SUM(DDD+DDE)	SUM(DDT+DDD+DDE)	% Breakdown Of DDT
5393	267223	2.02

Instrument :
BNA_F
ClientSampleId :
DFTPP

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF063025\
Data File : BF142915.D
Acq On : 30 Jun 2025 15:05
Operator : RC/JU
Sample : DFTPP
Misc :
ALS Vial : 1 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
DFTPP

Quant Time: Jun 30 15:46:39 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF061925.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Tue Jun 24 05:28:21 2025
Response via : Initial Calibration



TIC: BF142915.D\data.ms

(70) Pentachlorophenol (C)

11.210min (-0.006) 37500.34 ng

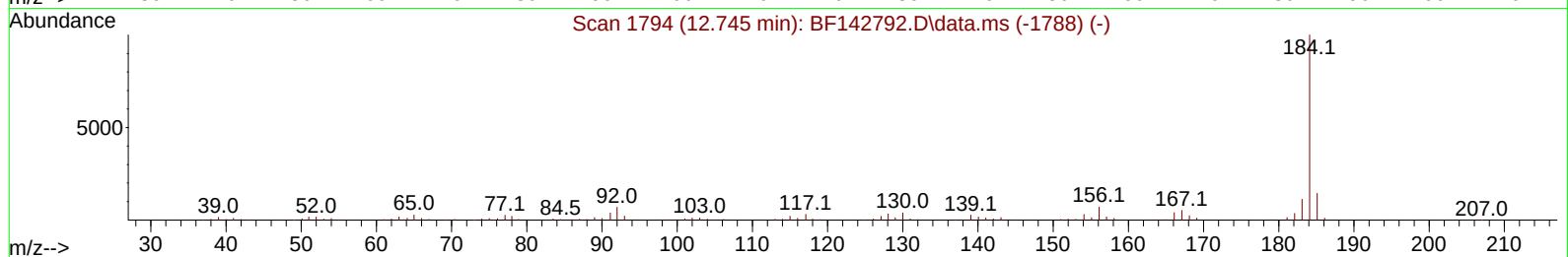
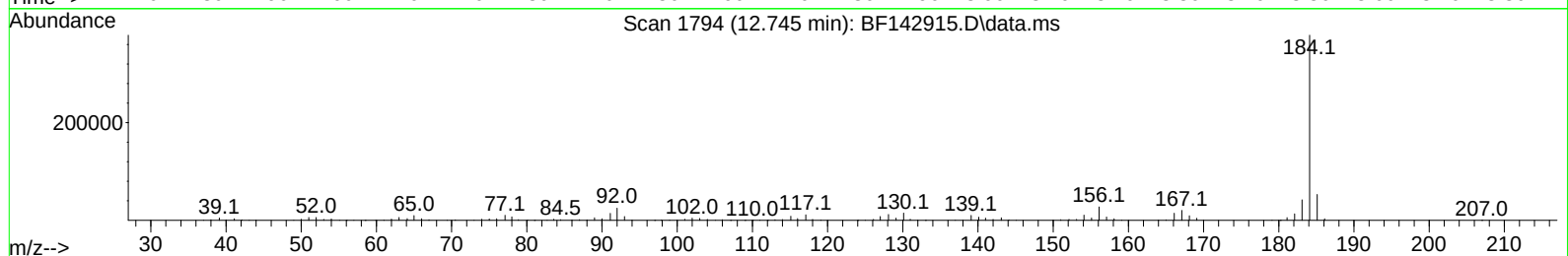
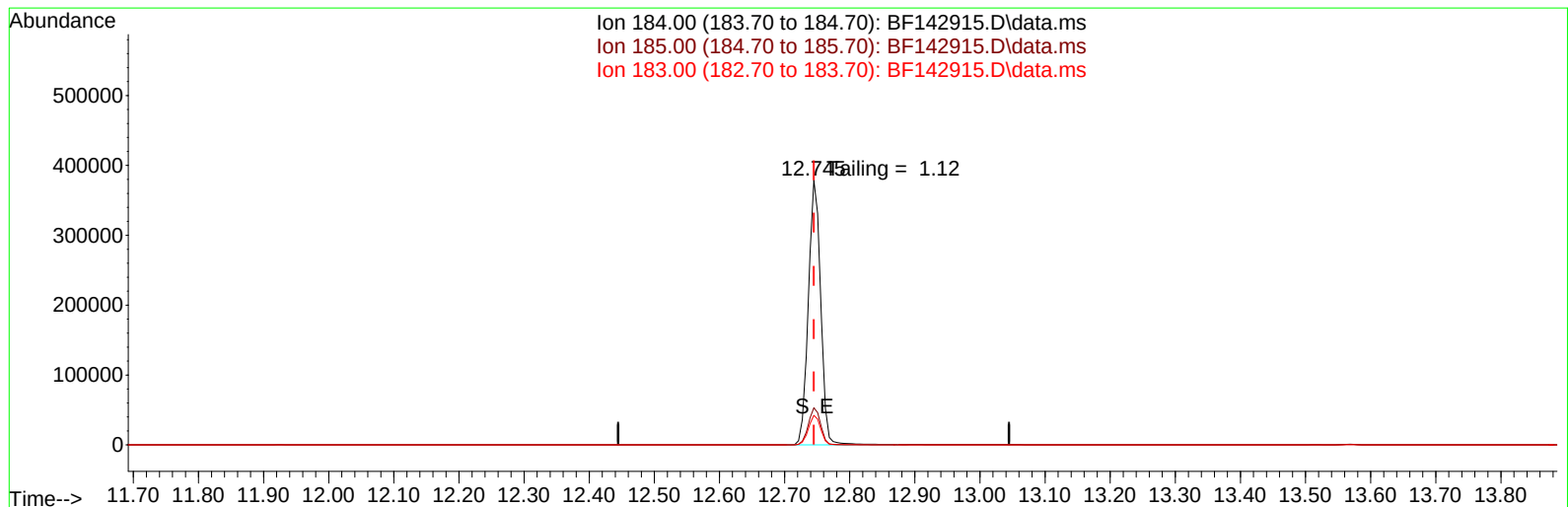
response 119337

Ion	Exp%	Act%
265.70	100.00	100.00
268.00	62.30	63.69
264.00	62.40	62.20
0.00	0.00	0.00

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF063025\
Data File : BF142915.D
Acq On : 30 Jun 2025 15:05
Operator : RC/JU
Sample : DFTPP
Misc :
ALS Vial : 1 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
DFTPP

Quant Time: Jun 30 15:46:39 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF061925.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Tue Jun 24 05:28:21 2025
Response via : Initial Calibration



TIC: BF142915.D\data.ms

(77) Benzidine

12.745min (+ 0.000) 0.00 ng

response 501451

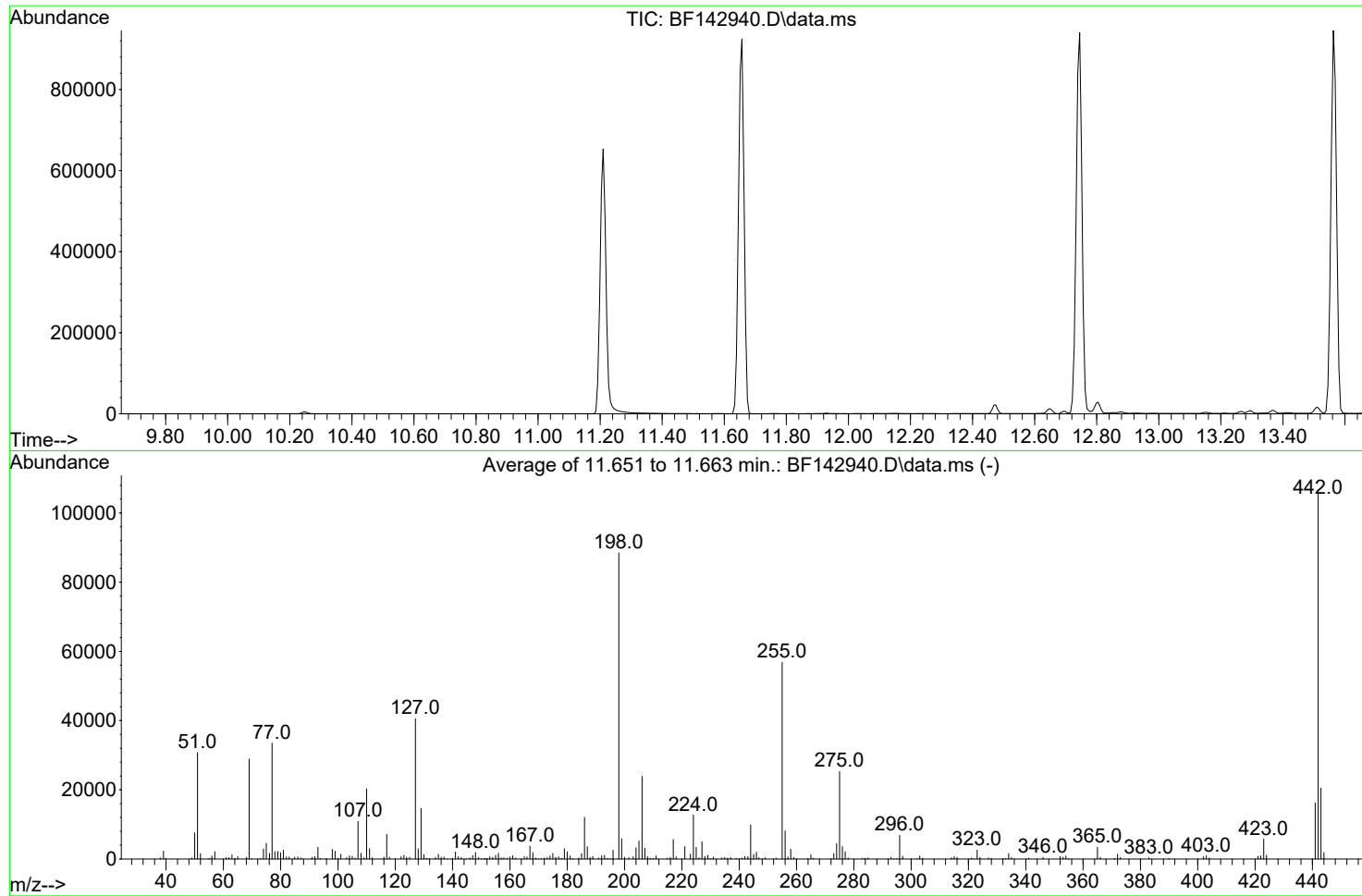
Ion	Exp%	Act%
184.00	100.00	100.00
185.00	14.40	14.02
183.00	11.20	11.14
0.00	0.00	0.00

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF070125\
Data File : BF142940.D
Acq On : 01 Jul 2025 09:46
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-BF061925.M
Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
Last Update : Tue Jun 24 05:28:21 2025



AutoFind: Scans 1608, 1609, 1610; Background Corrected with Scan 1601

Target Mass	Rel. to Mass	Lower Limit%	Upper Limit%	Rel. Abn%	Raw Abn	Result Pass/Fail
68	69	0.00	2	1.6	473	PASS
69	69	100	100	100.0	28920	PASS
70	69	0.00	2	0.5	142	PASS
197	198	0.00	2	0.0	0	PASS
198	198	100	100	100.0	88464	PASS
199	198	5	9	6.7	5906	PASS
365	198	1	100	3.8	3402	PASS
441	443	0.01	150	79.1	16192	PASS
442	442	100	100	100.0	105496	PASS
443	442	15	24	19.4	20483	PASS

DDT Breakdown

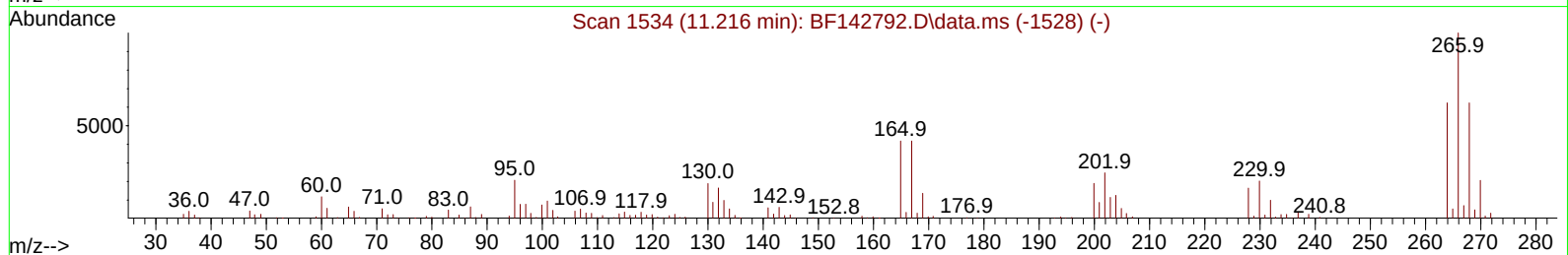
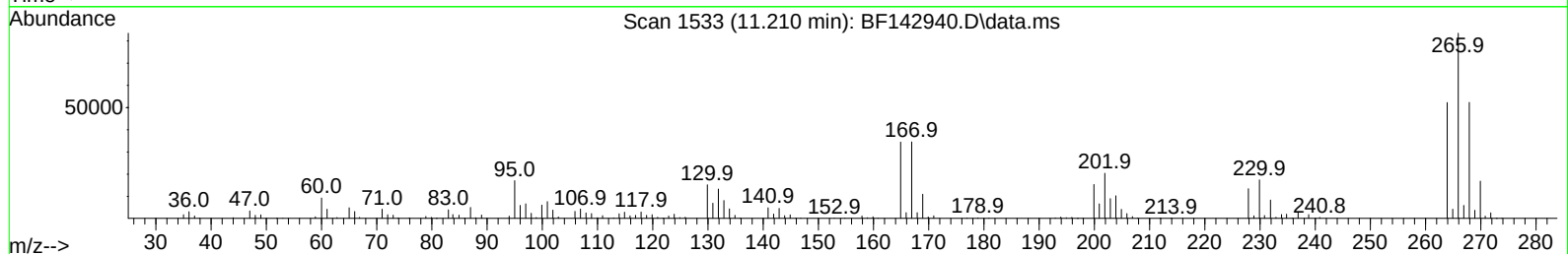
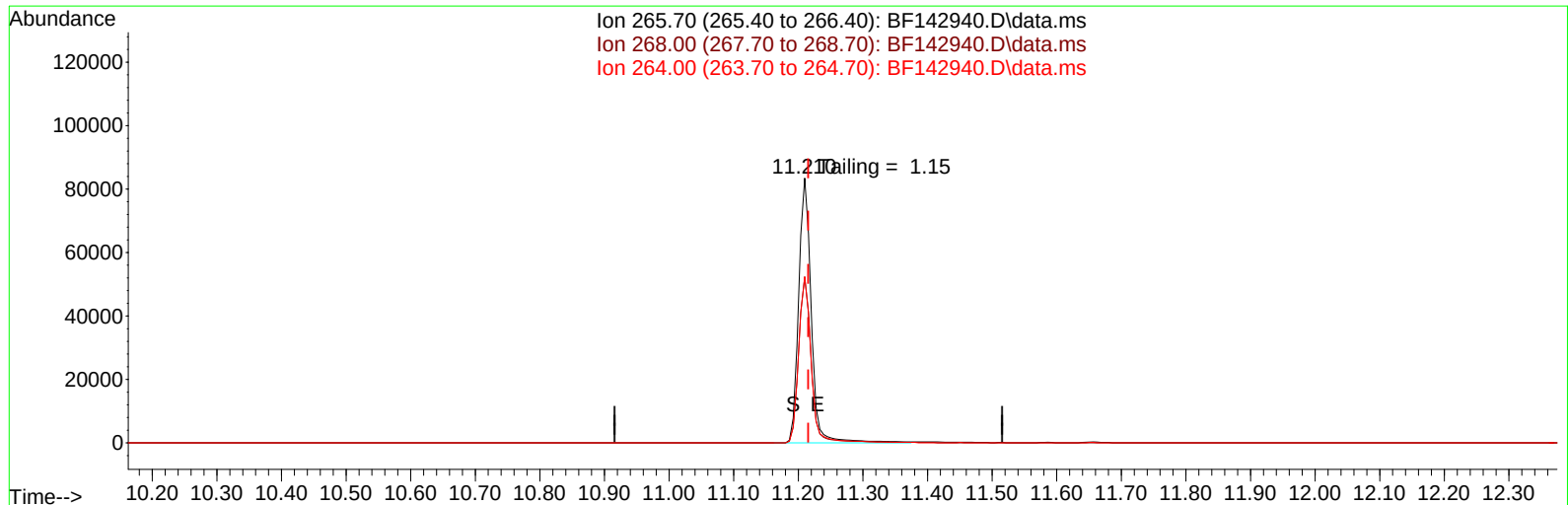
Date	Instrument Name	DFTPP Data File
7/1/2025	BNA_F	<u>BF142940.D</u>
Compound Name	Response	Retention Time
DDT	242723	13.563
DDD	4666	13.292
DDE	432	12.927
SUM(DDD+DDE)	SUM(DDT+DDD+DDE)	% Breakdown Of DDT
5098	247821	2.06

Instrument :
BNA_F
ClientSampleId :
DFTPP

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF070125\
Data File : BF142940.D
Acq On : 01 Jul 2025 09:46
Operator : RC/JU
Sample : DFTPP
Misc :
ALS Vial : 1 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
DFTPP

Quant Time: Jul 01 11:49:10 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF061925.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Tue Jun 24 05:28:21 2025
Response via : Initial Calibration



TIC: BF142940.D\data.ms

(70) Pentachlorophenol (C)

11.210min (-0.006) 34015.90 ng

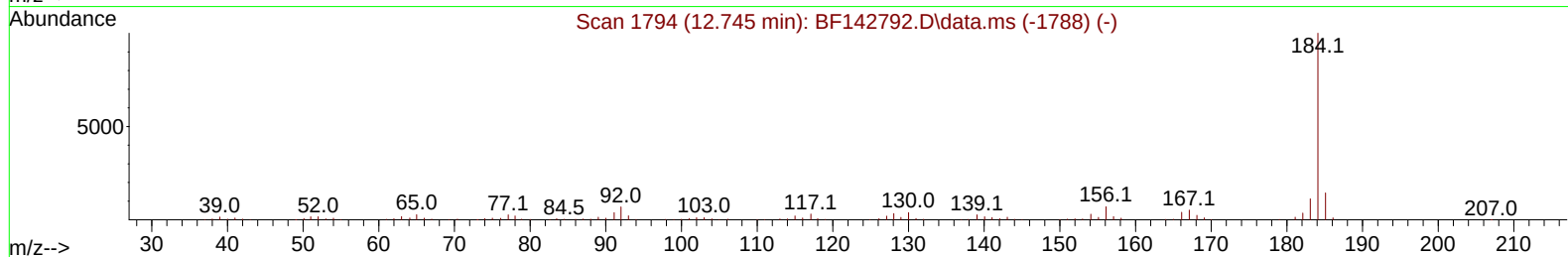
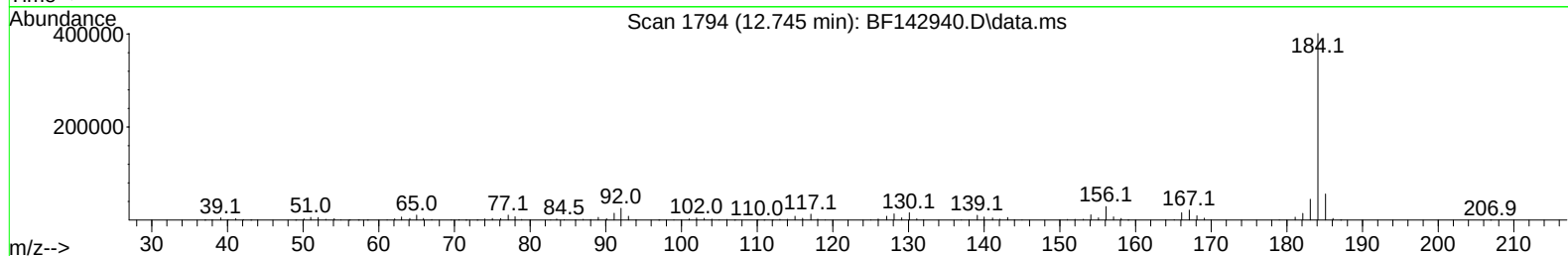
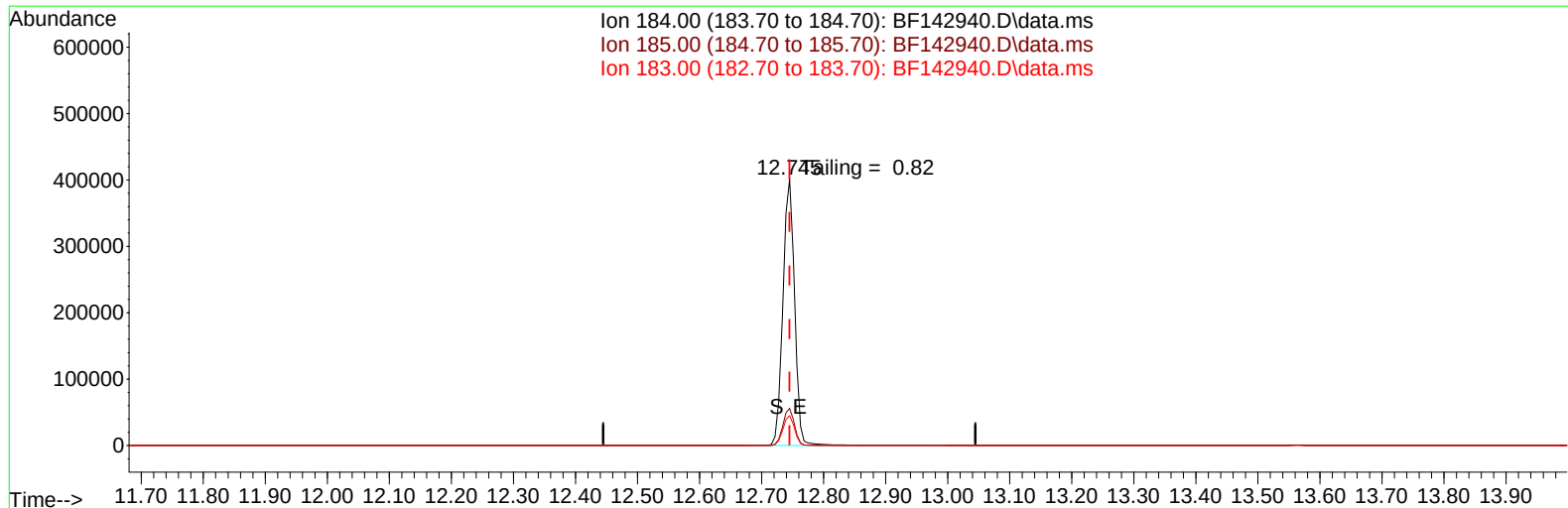
response 113393

Ion	Exp%	Act%
265.70	100.00	100.00
268.00	62.30	62.73
264.00	62.40	62.65
0.00	0.00	0.00

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF070125\
Data File : BF142940.D
Acq On : 01 Jul 2025 09:46
Operator : RC/JU
Sample : DFTPP
Misc :
ALS Vial : 1 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
DFTPP

Quant Time: Jul 01 11:49:10 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF061925.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Tue Jun 24 05:28:21 2025
Response via : Initial Calibration



TIC: BF142940.D\data.ms

(77) Benzidine

12.745min (+ 0.000) 0.00 ng

response 528206

Ion	Exp%	Act%
184.00	100.00	100.00
185.00	14.40	13.98
183.00	11.20	11.23
0.00	0.00	0.00

Report of Analysis

Client:	CDM Smith	Date Collected:	
Project:	South River WM Replacement	Date Received:	
Client Sample ID:	PB168649BL	SDG No.:	Q2436
Lab Sample ID:	PB168649BL	Matrix:	SOIL
Analytical Method:	8270E	% Solid:	100
Sample Wt/Vol:	30.03 Units: g	Final Vol:	1000 uL
Soil Aliquot Vol:	uL	Test:	SVOC-TCL BNA -20
Extraction Type :	Decanted : N	Level :	LOW
Injection Volume :	GPC Factor : 1.0	GPC Cleanup :	N PH :
Prep Method :	SW3541		

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
BF142947.D	1	06/27/25 11:20	07/01/25 13:49	PB168649

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units(Dry Weight)
TARGETS						
100-52-7	Benzaldehyde	160	U	160	330	ug/Kg
108-95-2	Phenol	22.1	U	22.1	170	ug/Kg
111-44-4	bis(2-Chloroethyl)ether	24.3	U	24.3	170	ug/Kg
95-57-8	2-Chlorophenol	24.4	U	24.4	170	ug/Kg
95-48-7	2-Methylphenol	29.9	U	29.9	170	ug/Kg
108-60-1	2,2-oxybis(1-Chloropropane)	37.5	U	37.5	170	ug/Kg
98-86-2	Acetophenone	29.5	U	29.5	170	ug/Kg
65794-96-9	3+4-Methylphenols	41.1	U	41.1	330	ug/Kg
621-64-7	n-Nitroso-di-n-propylamine	47.4	U	47.4	79.9	ug/Kg
67-72-1	Hexachloroethane	17.6	U	17.6	170	ug/Kg
98-95-3	Nitrobenzene	18.3	U	18.3	170	ug/Kg
78-59-1	Isophorone	32.8	U	32.8	170	ug/Kg
88-75-5	2-Nitrophenol	58.1	U	58.1	170	ug/Kg
105-67-9	2,4-Dimethylphenol	64.7	U	64.7	170	ug/Kg
111-91-1	bis(2-Chloroethoxy)methane	30.8	U	30.8	170	ug/Kg
120-83-2	2,4-Dichlorophenol	28.3	U	28.3	170	ug/Kg
91-20-3	Naphthalene	22.7	U	22.7	170	ug/Kg
106-47-8	4-Chloroaniline	35.4	U	35.4	170	ug/Kg
87-68-3	Hexachlorobutadiene	25.3	U	25.3	170	ug/Kg
105-60-2	Caprolactam	52.0	U	52.0	330	ug/Kg
59-50-7	4-Chloro-3-methylphenol	28.7	U	28.7	170	ug/Kg
91-57-6	2-Methylnaphthalene	25.6	U	25.6	170	ug/Kg
77-47-4	Hexachlorocyclopentadiene	120	U	120	330	ug/Kg
88-06-2	2,4,6-Trichlorophenol	19.8	U	19.8	170	ug/Kg
95-95-4	2,4,5-Trichlorophenol	29.1	U	29.1	170	ug/Kg
92-52-4	1,1-Biphenyl	21.8	U	21.8	170	ug/Kg
91-58-7	2-Chloronaphthalene	22.5	U	22.5	170	ug/Kg
88-74-4	2-Nitroaniline	48.1	U	48.1	170	ug/Kg
131-11-3	Dimethylphthalate	27.1	U	27.1	170	ug/Kg

Report of Analysis

Client:	CDM Smith	Date Collected:	
Project:	South River WM Replacement	Date Received:	
Client Sample ID:	PB168649BL	SDG No.:	Q2436
Lab Sample ID:	PB168649BL	Matrix:	SOIL
Analytical Method:	8270E	% Solid:	100
Sample Wt/Vol:	30.03 Units: g	Final Vol:	1000 uL
Soil Aliquot Vol:	uL	Test:	SVOC-TCL BNA -20
Extraction Type :	Decanted : N	Level :	LOW
Injection Volume :	GPC Factor : 1.0	GPC Cleanup :	N PH :
Prep Method :	SW3541		

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
BF142947.D	1	06/27/25 11:20	07/01/25 13:49	PB168649

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units(Dry Weight)
208-96-8	Acenaphthylene	28.9	U	28.9	170	ug/Kg
606-20-2	2,6-Dinitrotoluene	33.6	U	33.6	170	ug/Kg
99-09-2	3-Nitroaniline	46.0	U	46.0	170	ug/Kg
83-32-9	Acenaphthene	21.3	U	21.3	170	ug/Kg
51-28-5	2,4-Dinitrophenol	230	U	230	330	ug/Kg
100-02-7	4-Nitrophenol	110	U	110	330	ug/Kg
132-64-9	Dibenzofuran	22.7	U	22.7	170	ug/Kg
121-14-2	2,4-Dinitrotoluene	50.0	U	50.0	170	ug/Kg
84-66-2	Diethylphthalate	28.3	U	28.3	170	ug/Kg
7005-72-3	4-Chlorophenyl-phenylether	26.7	U	26.7	170	ug/Kg
86-73-7	Fluorene	25.3	U	25.3	170	ug/Kg
100-01-6	4-Nitroaniline	64.1	U	64.1	170	ug/Kg
534-52-1	4,6-Dinitro-2-methylphenol	100	U	100	330	ug/Kg
86-30-6	n-Nitrosodiphenylamine	32.9	U	32.9	170	ug/Kg
101-55-3	4-Bromophenyl-phenylether	27.8	U	27.8	170	ug/Kg
118-74-1	Hexachlorobenzene	25.3	U	25.3	170	ug/Kg
1912-24-9	Atrazine	34.0	U	34.0	170	ug/Kg
87-86-5	Pentachlorophenol	51.2	U	51.2	330	ug/Kg
85-01-8	Phenanthrene	20.9	U	20.9	170	ug/Kg
120-12-7	Anthracene	33.3	U	33.3	170	ug/Kg
86-74-8	Carbazole	31.2	U	31.2	170	ug/Kg
84-74-2	Di-n-butylphthalate	47.9	U	47.9	170	ug/Kg
206-44-0	Fluoranthene	30.0	U	30.0	170	ug/Kg
129-00-0	Pyrene	36.0	U	36.0	170	ug/Kg
85-68-7	Butylbenzylphthalate	71.3	U	71.3	170	ug/Kg
91-94-1	3,3-Dichlorobenzidine	36.7	U	36.7	330	ug/Kg
56-55-3	Benzo(a)anthracene	23.0	U	23.0	170	ug/Kg
218-01-9	Chrysene	19.9	U	19.9	170	ug/Kg
117-81-7	Bis(2-ethylhexyl)phthalate	59.1	U	59.1	170	ug/Kg
117-84-0	Di-n-octyl phthalate	86.7	U	86.7	330	ug/Kg
205-99-2	Benzo(b)fluoranthene	19.0	U	19.0	170	ug/Kg

Report of Analysis

Client:	CDM Smith	Date Collected:	
Project:	South River WM Replacement	Date Received:	
Client Sample ID:	PB168649BL	SDG No.:	Q2436
Lab Sample ID:	PB168649BL	Matrix:	SOIL
Analytical Method:	8270E	% Solid:	100
Sample Wt/Vol:	30.03 Units: g	Final Vol:	1000 uL
Soil Aliquot Vol:	uL	Test:	SVOC-TCL BNA -20
Extraction Type :	Decanted : N	Level :	LOW
Injection Volume :	GPC Factor : 1.0	GPC Cleanup :	N PH :
Prep Method :	SW3541		

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
BF142947.D	1	06/27/25 11:20	07/01/25 13:49	PB168649

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units(Dry Weight)
207-08-9	Benzo(k)fluoranthene	22.4	U	22.4	170	ug/Kg
50-32-8	Benzo(a)pyrene	29.5	U	29.5	170	ug/Kg
193-39-5	Indeno(1,2,3-cd)pyrene	29.1	U	29.1	170	ug/Kg
53-70-3	Dibenzo(a,h)anthracene	27.4	U	27.4	170	ug/Kg
191-24-2	Benzo(g,h,i)perylene	25.7	U	25.7	170	ug/Kg
95-94-3	1,2,4,5-Tetrachlorobenzene	25.6	U	25.6	170	ug/Kg
123-91-1	1,4-Dioxane	45.2	U	45.2	170	ug/Kg
58-90-2	2,3,4,6-Tetrachlorophenol	27.4	U	27.4	170	ug/Kg
SURROGATES						
367-12-4	2-Fluorophenol	125		18 - 112	84%	SPK: 150
13127-88-3	Phenol-d6	125		15 - 107	83%	SPK: 150
4165-60-0	Nitrobenzene-d5	78.4		18 - 107	78%	SPK: 100
321-60-8	2-Fluorobiphenyl	78.7		20 - 109	79%	SPK: 100
118-79-6	2,4,6-Tribromophenol	120		10 - 116	80%	SPK: 150
1718-51-0	Terphenyl-d14	72.0		10 - 105	72%	SPK: 100
INTERNAL STANDARDS						
3855-82-1	1,4-Dichlorobenzene-d4	62400		6.875		
1146-65-2	Naphthalene-d8	242000		8.157		
15067-26-2	Acenaphthene-d10	126000		9.91		
1517-22-2	Phenanthrene-d10	200000		11.404		
1719-03-5	Chrysene-d12	116000		14.045		
1520-96-3	Perylene-d12	141000		15.539		
TENTATIVE IDENTIFIED COMPOUNDS						
000123-42-2	2-Pentanone, 4-hydroxy-4-methyl-	310	A		5.10	ug/Kg

Report of Analysis

Client:	CDM Smith	Date Collected:	
Project:	South River WM Replacement	Date Received:	
Client Sample ID:	PB168649BL	SDG No.:	Q2436
Lab Sample ID:	PB168649BL	Matrix:	SOIL
Analytical Method:	8270E	% Solid:	100
Sample Wt/Vol:	30.03 Units: g	Final Vol:	1000 uL
Soil Aliquot Vol:	uL	Test:	SVOC-TCL BNA -20
Extraction Type :	Decanted : N	Level :	LOW
Injection Volume :	GPC Factor : 1.0	GPC Cleanup :	N PH :
Prep Method :	SW3541		

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
BF142947.D	1	06/27/25 11:20	07/01/25 13:49	PB168649

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\BF070125\
Data File : BF142947.D
Acq On : 01 Jul 2025 13:49
Operator : RC/JU
Sample : PB168649BL
Misc :
ALS Vial : 8 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
PB168649BL

Quant Time: Jul 01 14:11:10 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF061925.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Tue Jun 24 05:28:21 2025
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) 1,4-Dichlorobenzene-d4	6.875	152	62411	20.000	ng	0.00
21) Naphthalene-d8	8.157	136	241848	20.000	ng	-0.01
39) Acenaphthene-d10	9.910	164	125672	20.000	ng	-0.01
64) Phenanthrene-d10	11.404	188	200491	20.000	ng	0.00
76) Chrysene-d12	14.045	240	116239	20.000	ng	-0.01
86) Perylene-d12	15.539	264	140657	20.000	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.498	112	470010	125.384	ng	0.00
7) Phenol-d6	6.504	99	550654	124.509	ng	0.00
23) Nitrobenzene-d5	7.434	82	345708	78.406	ng	-0.01
42) 2,4,6-Tribromophenol	10.704	330	154667	119.596	ng	-0.01
45) 2-Fluorobiphenyl	9.234	172	753324	78.746	ng	-0.01
79) Terphenyl-d14	12.986	244	606034	72.038	ng	-0.01

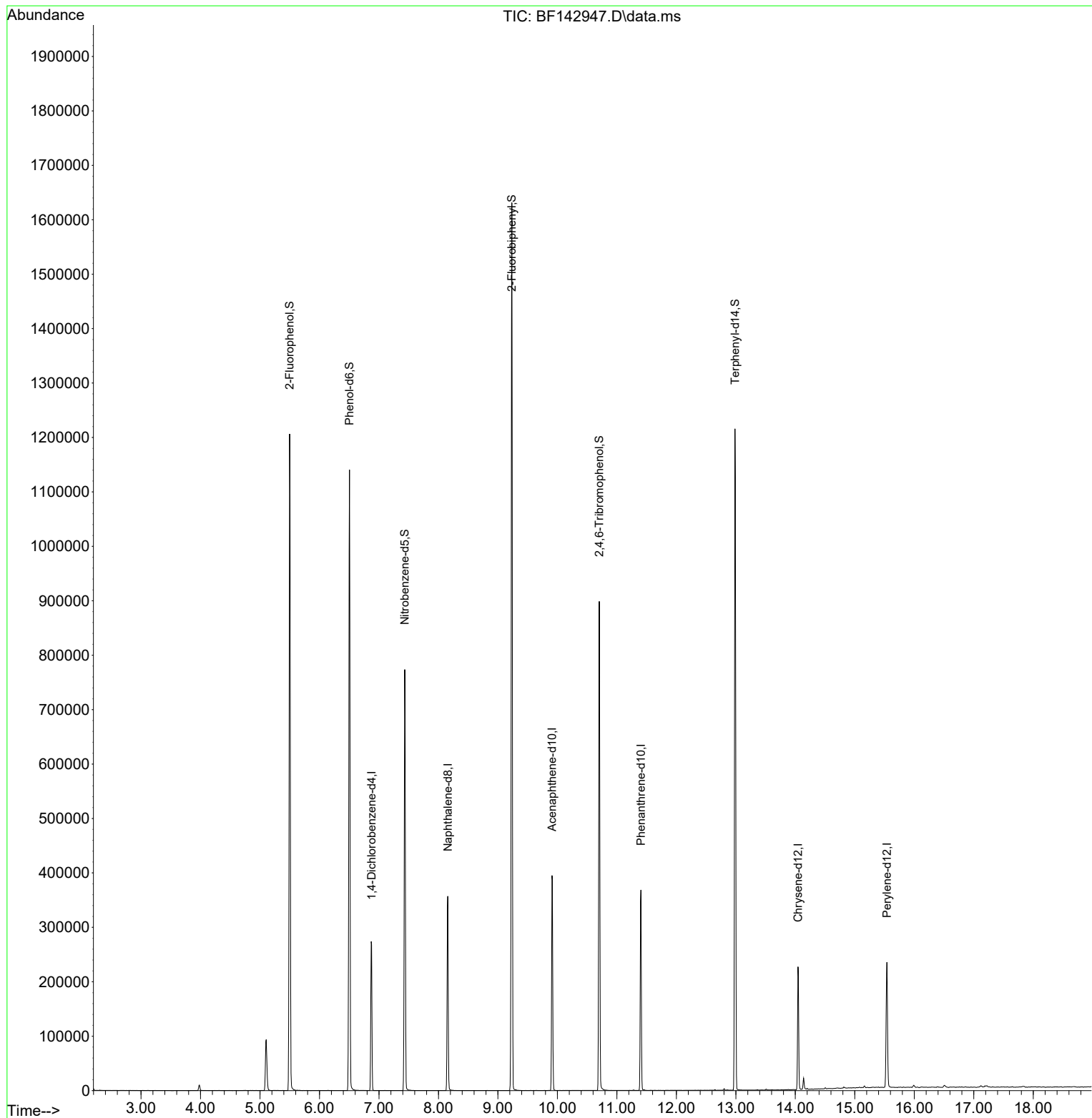
Target Compounds	Qvalue

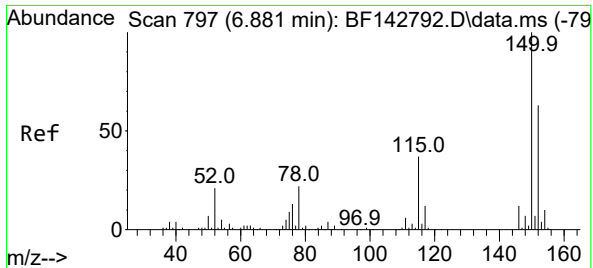
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF070125\
Data File : BF142947.D
Acq On : 01 Jul 2025 13:49
Operator : RC/JU
Sample : PB168649BL
Misc :
ALS Vial : 8 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
PB168649BL

Quant Time: Jul 01 14:11:10 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF061925.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Tue Jun 24 05:28:21 2025
Response via : Initial Calibration

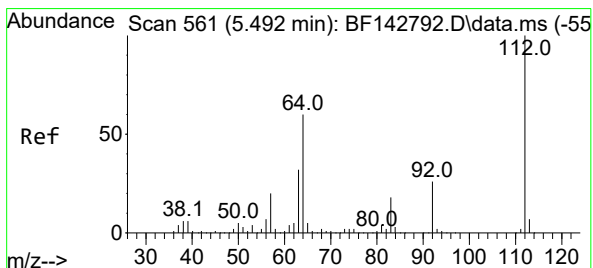
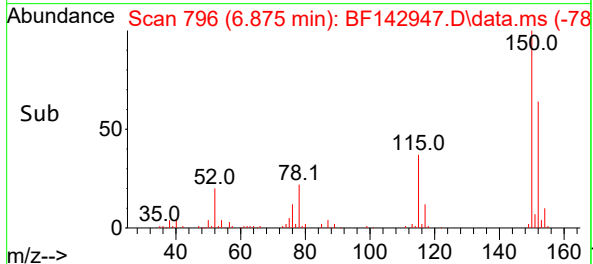
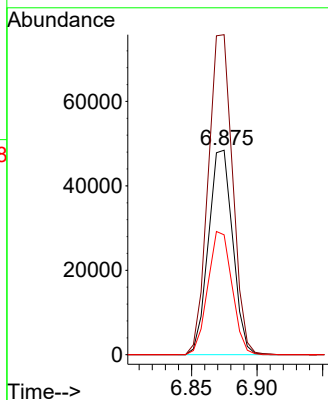
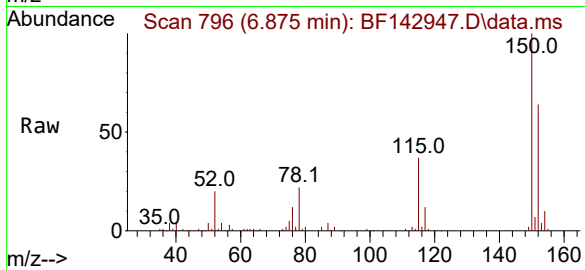




#1
 1,4-Dichlorobenzene-d4
 Concen: 20.000 ng
 RT: 6.875 min Scan# 797
 Delta R.T. -0.006 min
 Lab File: BF142947.D
 Acq: 01 Jul 2025 13:49

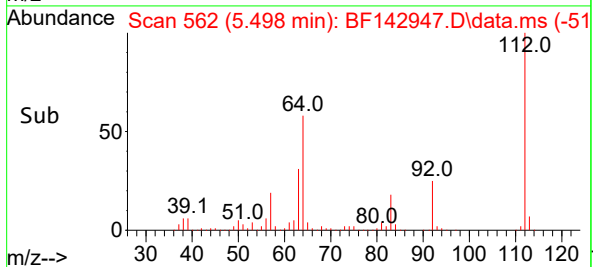
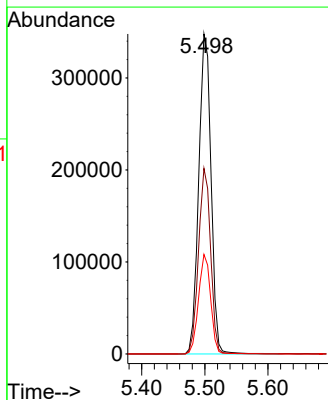
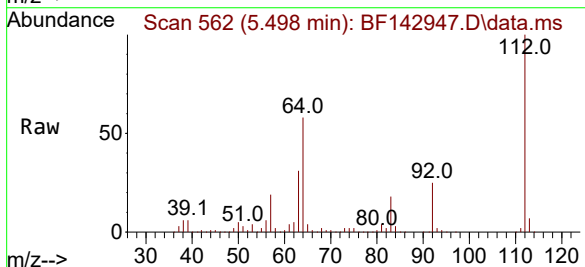
Instrument :
 BNA_F
 ClientSampleId :
 PB168649BL

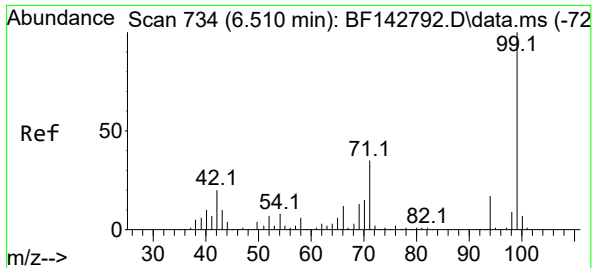
Tgt Ion:152 Resp: 62411
 Ion Ratio Lower Upper
 152 100
 150 156.5 127.2 190.8
 115 58.7 46.6 69.8



#5
 2-Fluorophenol
 Concen: 125.384 ng
 RT: 5.498 min Scan# 562
 Delta R.T. 0.006 min
 Lab File: BF142947.D
 Acq: 01 Jul 2025 13:49

Tgt Ion:112 Resp: 470010
 Ion Ratio Lower Upper
 112 100
 64 58.0 48.2 72.2
 63 31.1 25.7 38.5

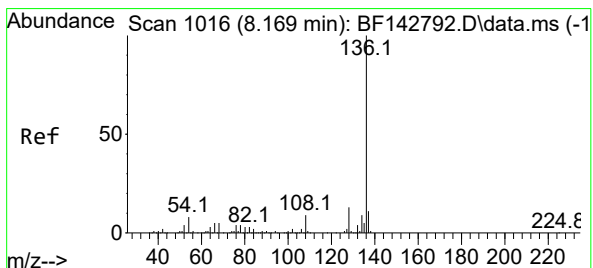
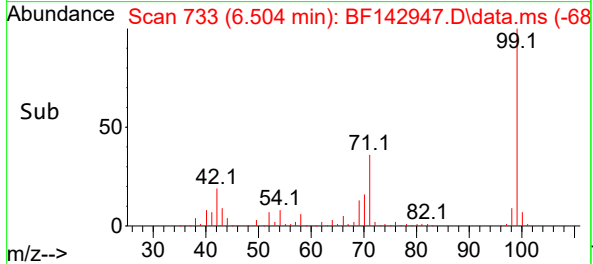
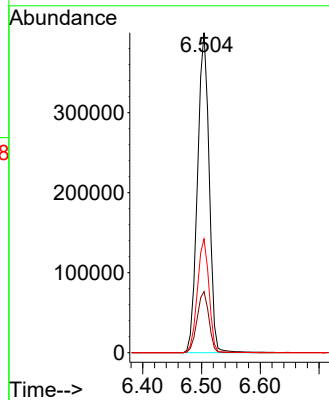
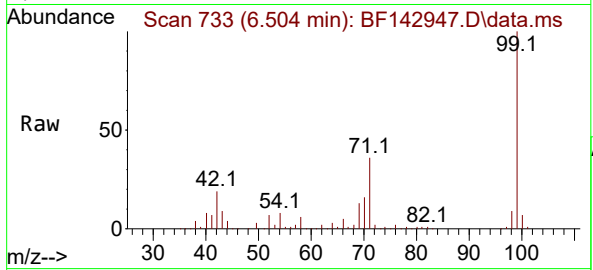




#7
Phenol-d6
Concen: 124.509 ng
RT: 6.504 min Scan# 71
Delta R.T. -0.006 min
Lab File: BF142947.D
Acq: 01 Jul 2025 13:49

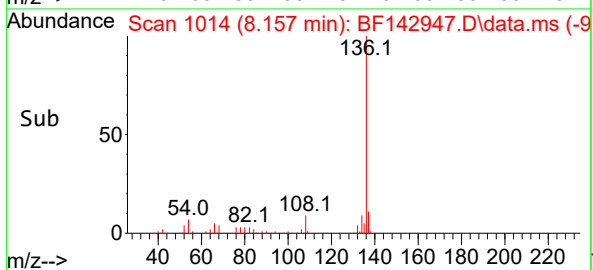
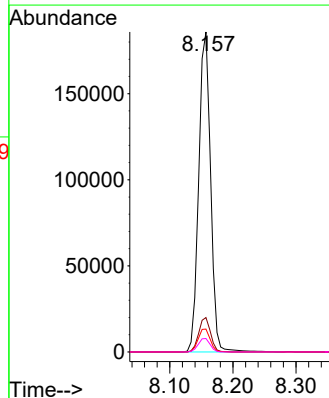
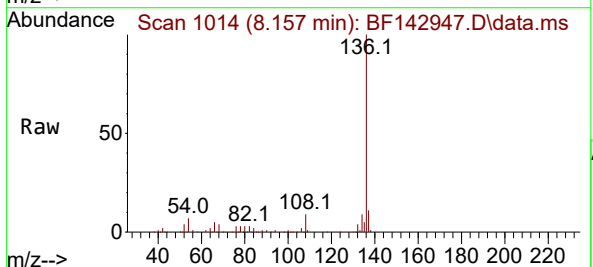
Instrument :
BNA_F
ClientSampleId :
PB168649BL

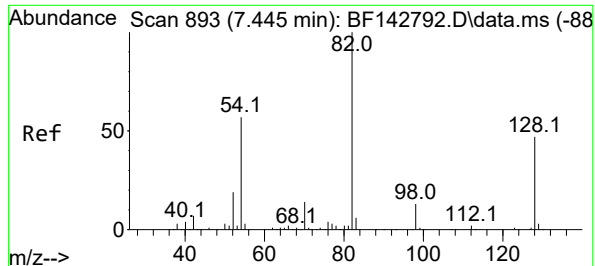
Tgt Ion: 99 Resp: 550654
Ion Ratio Lower Upper
99 100
42 19.1 15.9 23.9
71 35.5 27.8 41.8



#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.157 min Scan# 1014
Delta R.T. -0.012 min
Lab File: BF142947.D
Acq: 01 Jul 2025 13:49

Tgt Ion: 136 Resp: 241848
Ion Ratio Lower Upper
136 100
137 10.7 8.4 12.6
54 7.1 6.3 9.5
68 4.2 3.7 5.5





#23

Nitrobenzene-d5

Concen: 78.406 ng

RT: 7.434 min Scan# 89

Delta R.T. -0.011 min

Lab File: BF142947.D

Acq: 01 Jul 2025 13:49

Instrument :

BNA_F

ClientSampleId :

PB168649BL

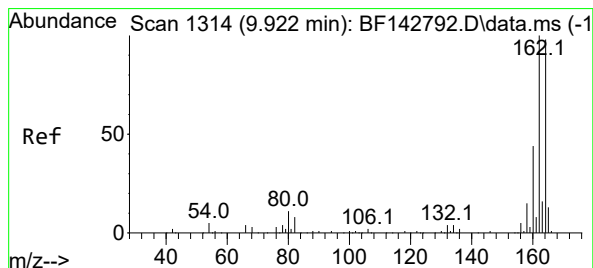
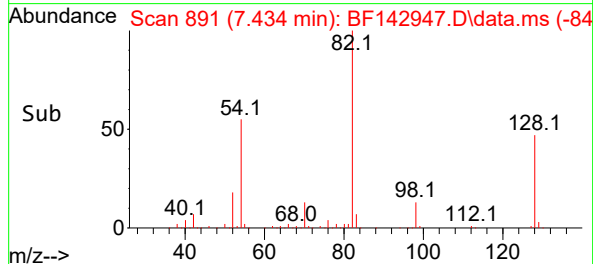
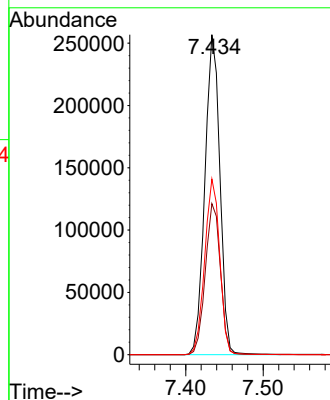
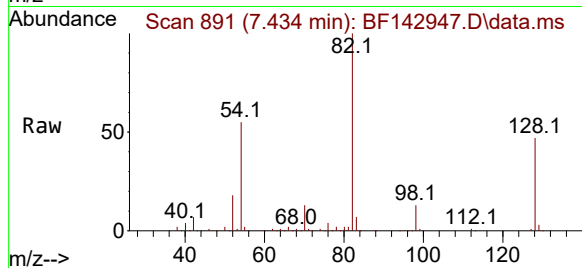
Tgt Ion: 82 Resp: 345708

Ion Ratio Lower Upper

82 100

128 47.2 37.7 56.5

54 54.9 45.7 68.5



#39

Acenaphthene-d10

Concen: 20.000 ng

RT: 9.910 min Scan# 1312

Delta R.T. -0.012 min

Lab File: BF142947.D

Acq: 01 Jul 2025 13:49

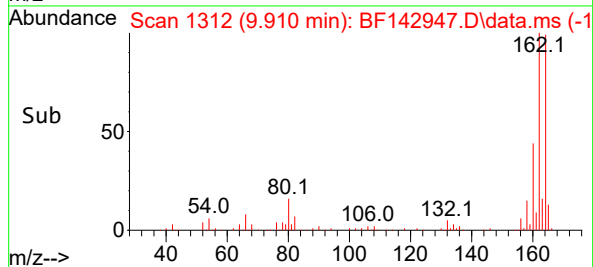
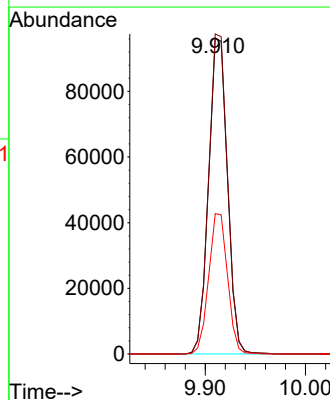
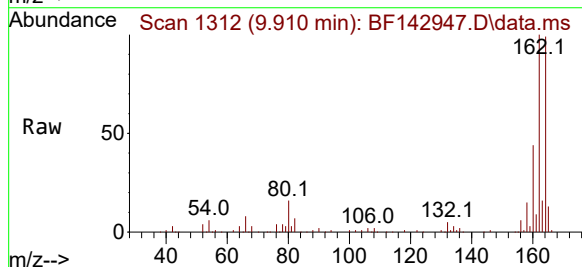
Tgt Ion:164 Resp: 125672

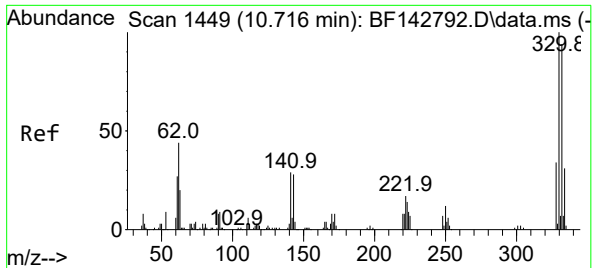
Ion Ratio Lower Upper

164 100

162 101.4 81.8 122.8

160 44.5 36.0 54.0





#42

2,4,6-Tribromophenol

Concen: 119.596 ng

RT: 10.704 min Scan# 1447

Delta R.T. -0.012 min

Lab File: BF142947.D

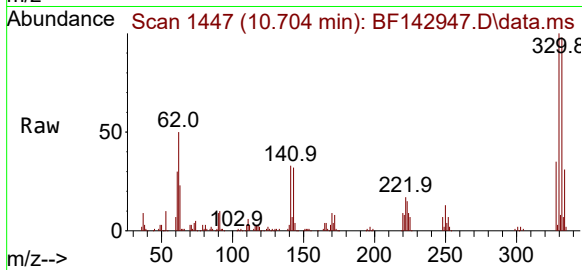
Acq: 01 Jul 2025 13:49

Instrument :

BNA_F

ClientSampleId :

PB168649BL



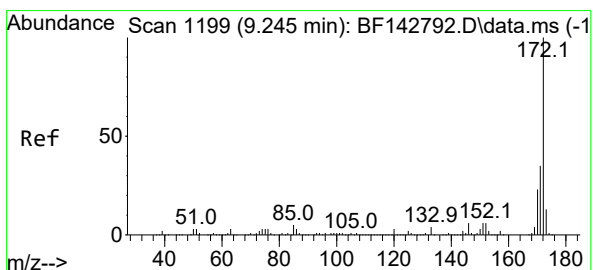
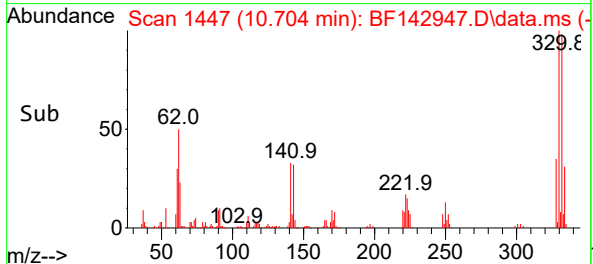
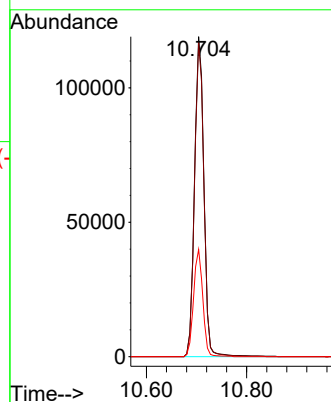
Tgt Ion:330 Resp: 154667

Ion Ratio Lower Upper

330 100

332 97.7 75.0 112.6

141 32.9 25.3 37.9



#45

2-Fluorobiphenyl

Concen: 78.746 ng

RT: 9.234 min Scan# 1197

Delta R.T. -0.011 min

Lab File: BF142947.D

Acq: 01 Jul 2025 13:49

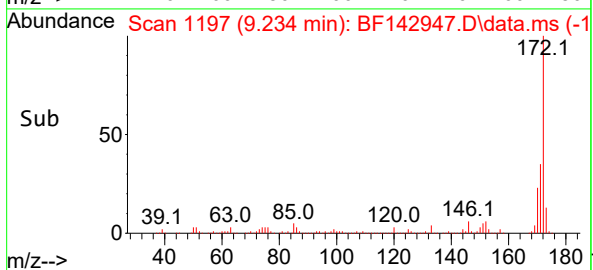
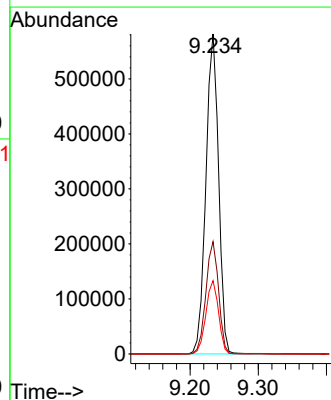
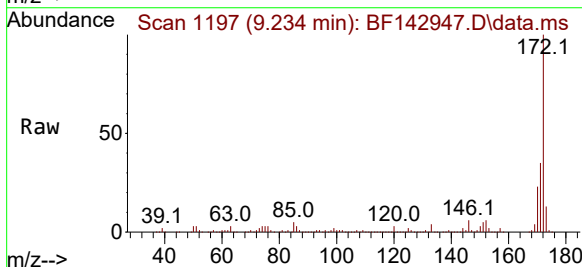
Tgt Ion:172 Resp: 753324

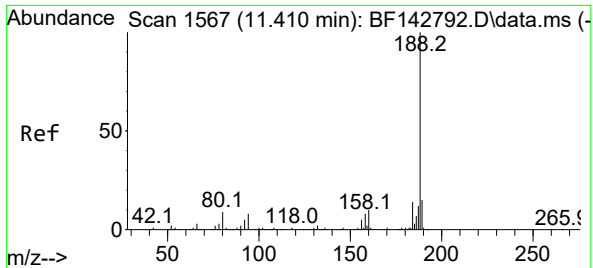
Ion Ratio Lower Upper

172 100

171 35.1 28.2 42.4

170 22.9 18.5 27.7

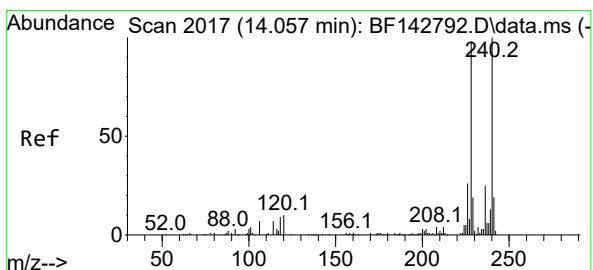
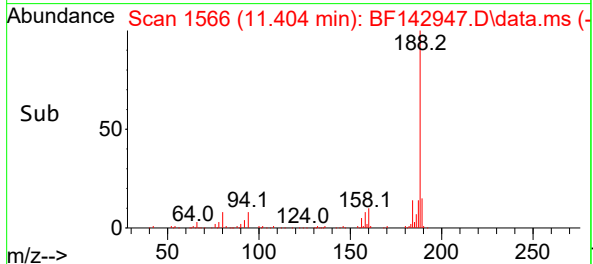
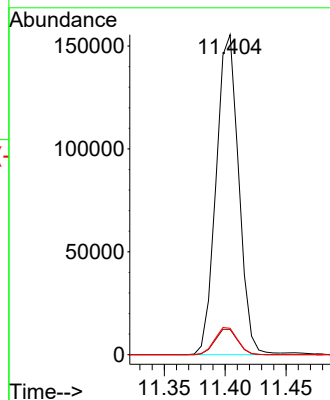
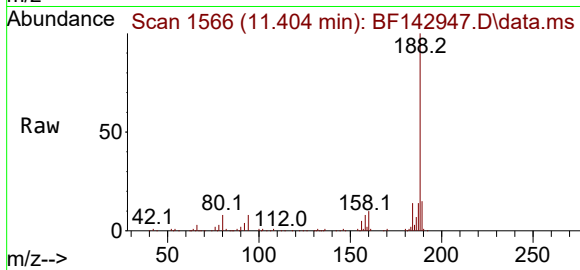




#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.404 min Scan# 11
Delta R.T. -0.006 min
Lab File: BF142947.D
Acq: 01 Jul 2025 13:49

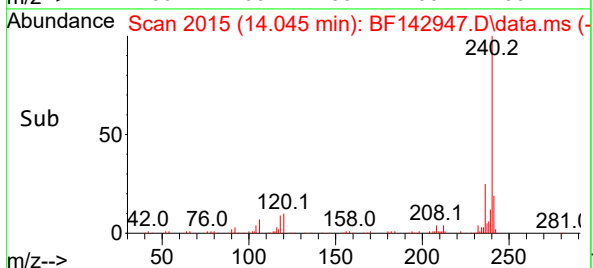
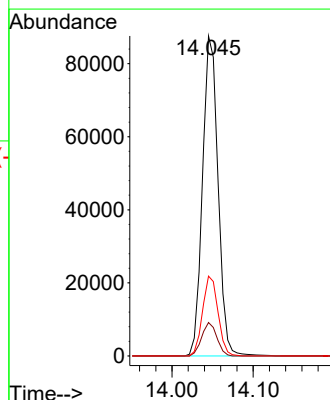
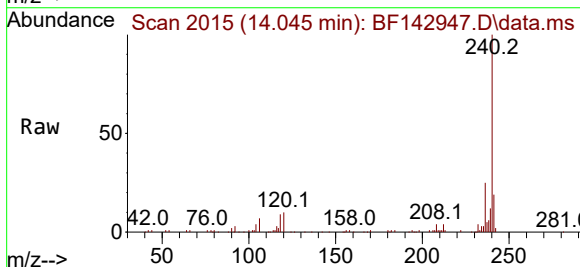
Instrument :
BNA_F
ClientSampleId :
PB168649BL

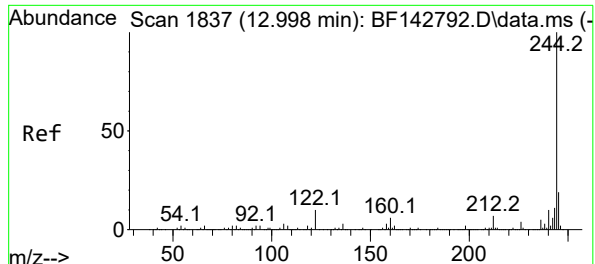
Tgt Ion:188 Resp: 200491
Ion Ratio Lower Upper
188 100
94 7.9 6.7 10.1
80 8.3 6.9 10.3



#76
Chrysene-d12
Concen: 20.000 ng
RT: 14.045 min Scan# 2015
Delta R.T. -0.012 min
Lab File: BF142947.D
Acq: 01 Jul 2025 13:49

Tgt Ion:240 Resp: 116239
Ion Ratio Lower Upper
240 100
120 10.4 8.2 12.2
236 24.9 19.8 29.8





#79

Terphenyl-d14

Concen: 72.038 ng

RT: 12.986 min Scan# 11

Delta R.T. -0.012 min

Lab File: BF142947.D

Acq: 01 Jul 2025 13:49

Instrument :

BNA_F

ClientSampleId :

PB168649BL

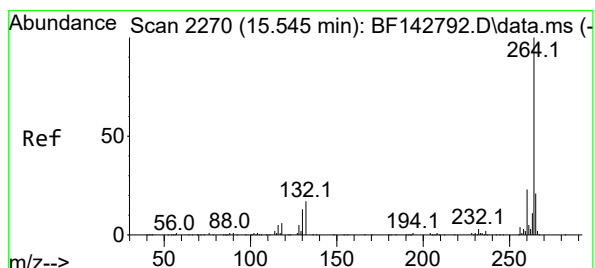
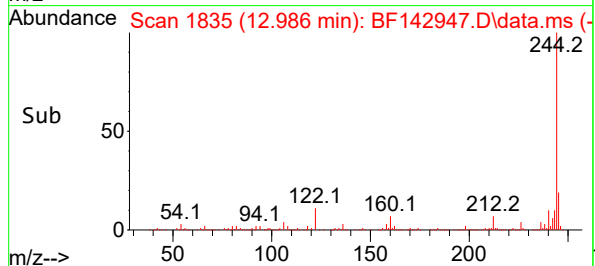
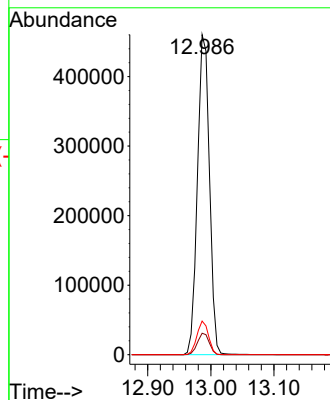
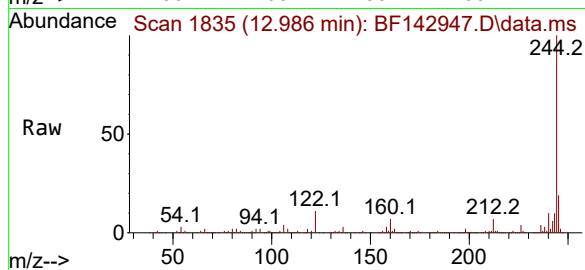
Tgt Ion:244 Resp: 606034

Ion Ratio Lower Upper

244 100

212 6.7 5.4 8.0

122 10.5 8.2 12.2



#86

Perylene-d12

Concen: 20.000 ng

RT: 15.539 min Scan# 2269

Delta R.T. -0.006 min

Lab File: BF142947.D

Acq: 01 Jul 2025 13:49

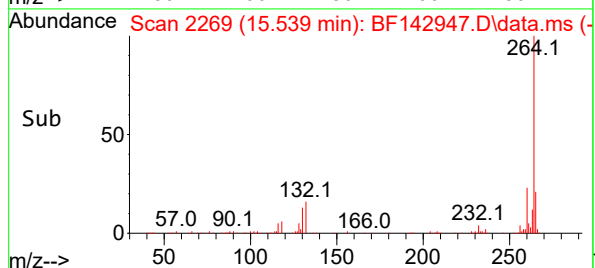
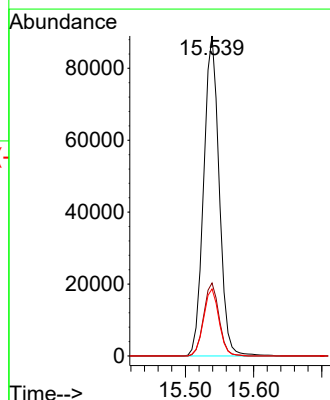
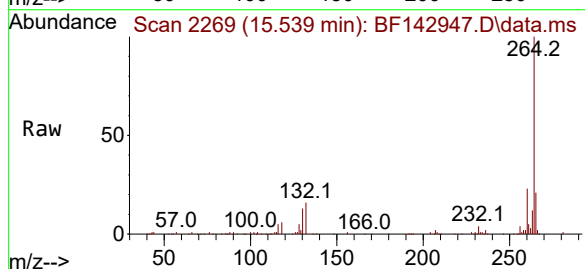
Tgt Ion:264 Resp: 140657

Ion Ratio Lower Upper

264 100

260 22.8 18.1 27.1

265 20.9 16.6 25.0



Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF070125\
 Data File : BF142947.D
 Acq On : 01 Jul 2025 13:49
 Operator : RC/JU
 Sample : PB168649BL
 Misc :
 ALS Vial : 8 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 PB168649BL

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-BF061925.M

Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

Signal : TIC: BF142947.D\data.ms

peak #	R.T. min	first scan	max scan	last scan	PK TY	peak height	corr. area	corr. % max.	% of total
1	5.104	488	495	509	rBV	93601	159975	7.61%	1.371%
2	5.498	556	562	580	rBV	1206358	1610597	76.62%	13.798%
3	6.504	726	733	738	rBV	1140712	1562849	74.35%	13.389%
4	6.869	790	795	801	rBV	273763	348962	16.60%	2.990%
5	7.434	885	891	922	rVB	773590	1041770	49.56%	8.925%
6	8.157	1008	1014	1035	rVB	357039	461429	21.95%	3.953%
7	9.234	1190	1197	1202	rBV	1631194	2101983	100.00%	18.008%
8	9.910	1307	1312	1318	rBV	394778	510693	24.30%	4.375%
9	10.704	1442	1447	1474	rVB	898633	1147065	54.57%	9.827%
10	11.404	1560	1566	1573	rBV	368312	471526	22.43%	4.040%
11	12.986	1830	1835	1841	rBV	1214924	1574237	74.89%	13.486%
12	14.045	2010	2015	2024	rBV	225740	295253	14.05%	2.529%
13	14.139	2026	2031	2038	rVV	19990	27303	1.30%	0.234%
14	15.539	2262	2269	2283	rVB	229938	359094	17.08%	3.076%

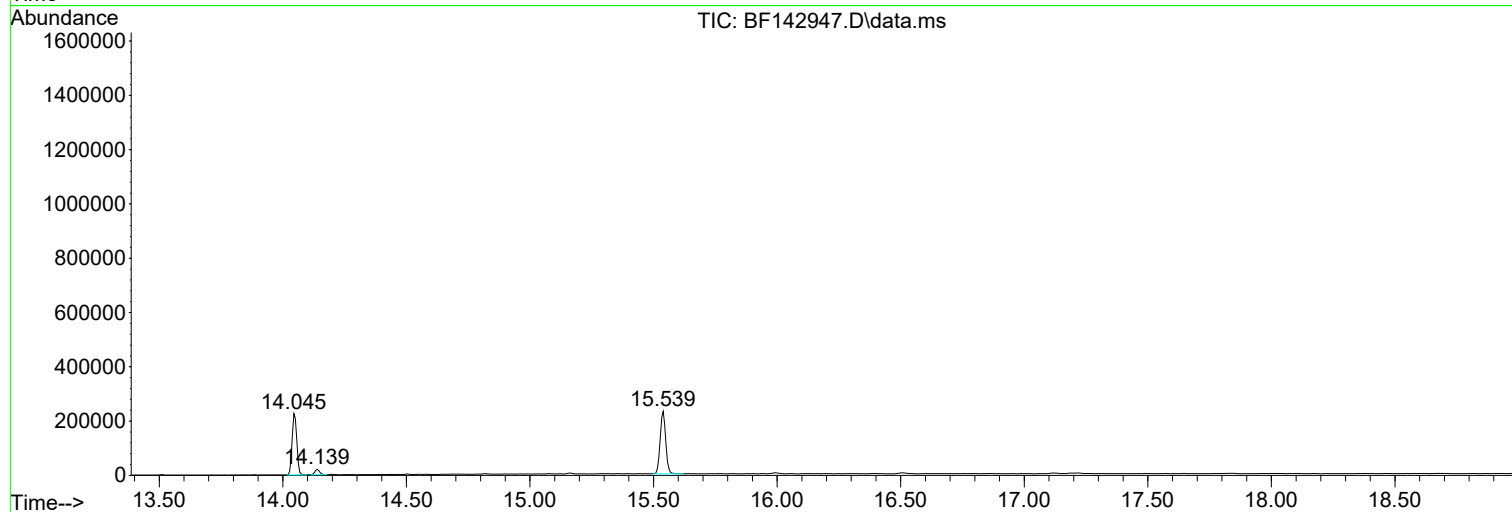
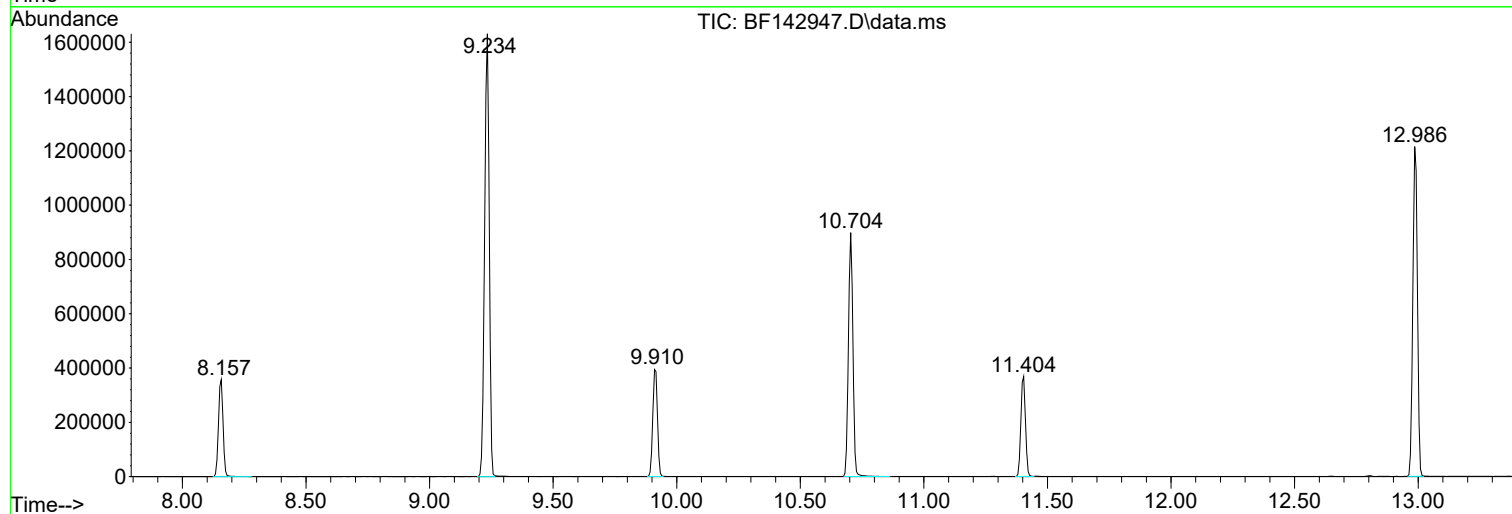
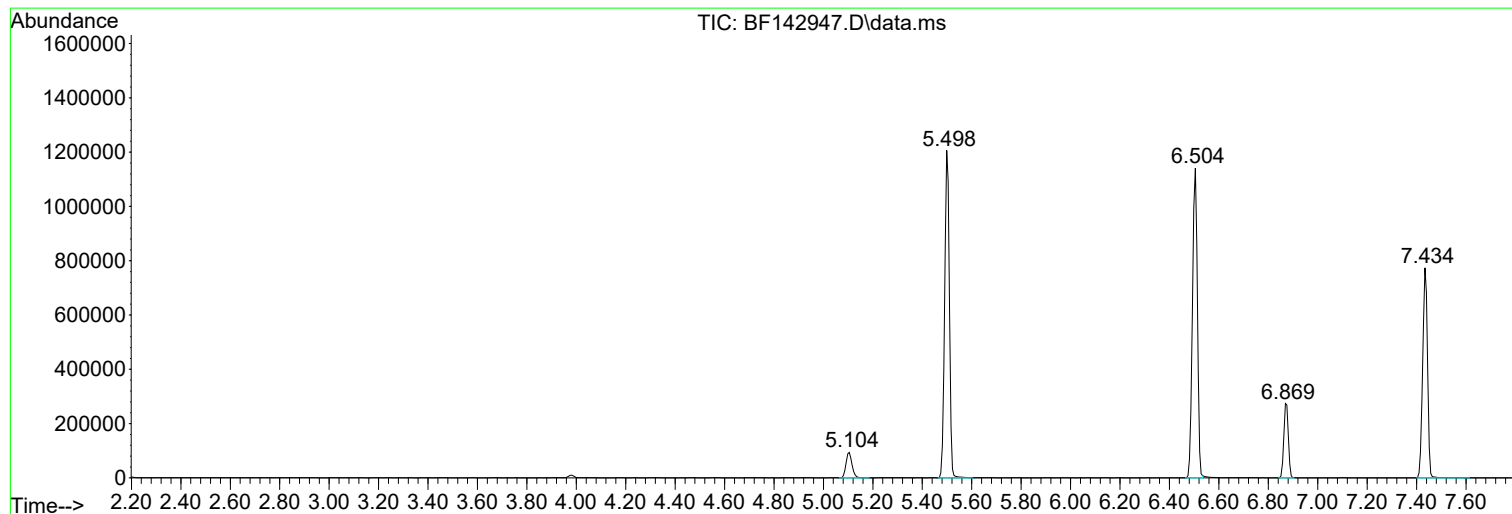
Sum of corrected areas: 11672736

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF070125\
Data File : BF142947.D
Acq On : 01 Jul 2025 13:49
Operator : RC/JU
Sample : PB168649BL
Misc :
ALS Vial : 8 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
PB168649BL

Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF061925.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\BF070125\
Data File : BF142947.D
Acq On : 01 Jul 2025 13:49
Operator : RC/JU
Sample : PB168649BL
Misc :
ALS Vial : 8 Sample Multiplier: 1

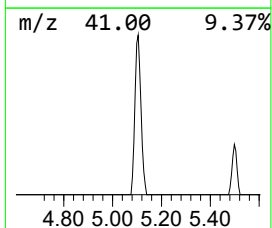
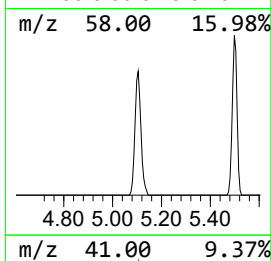
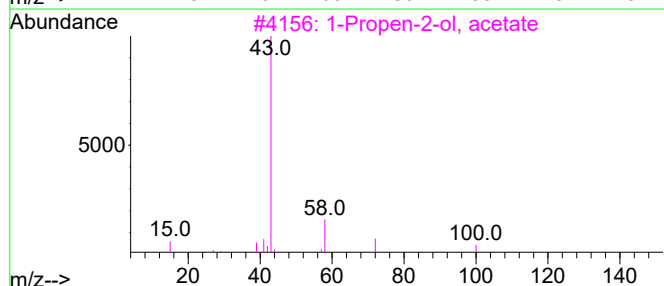
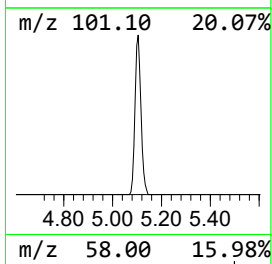
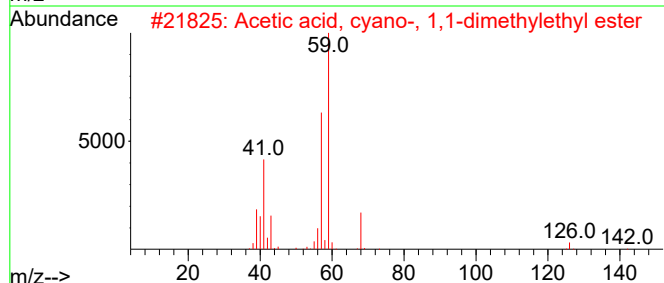
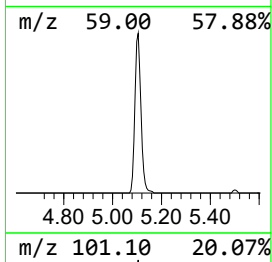
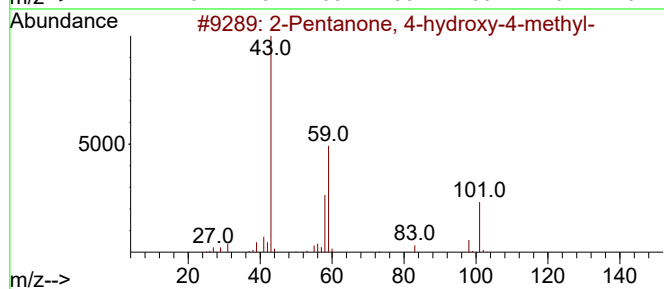
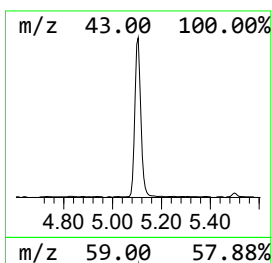
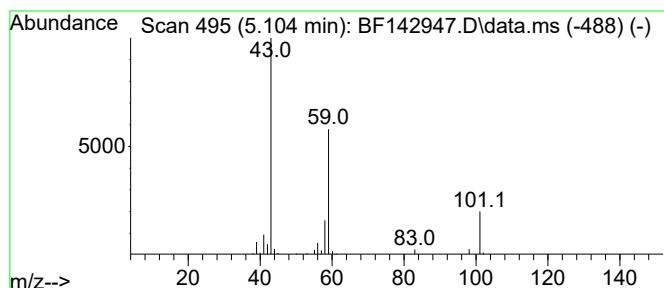
Instrument :
BNA_F
ClientSampleId :
PB168649BL

Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF061925.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

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

R.T.	EstConc	Area	Relative to ISTD	R.T.	
5.104	9.17 ng	159975	1,4-Dichlorobenzene-d4	6.875	
Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	2-Pentanone, 4-hydroxy-4-methyl-	116	C6H12O2	000123-42-2	56
2	Acetic acid, cyano-, 1,1-dimethy...	141	C7H11NO2	001116-98-9	17
3	1-Propen-2-ol, acetate	100	C5H8O2	000108-22-5	10
4	Morpholine, 4-methyl-	101	C5H11NO	000109-02-4	9
5	2,3-Butanedione, monooxime	101	C4H7NO2	000057-71-6	9



Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF070125\
Data File : BF142947.D
Acq On : 01 Jul 2025 13:49
Operator : RC/JU
Sample : PB168649BL
Misc :
ALS Vial : 8 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
PB168649BL

Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF061925.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

TIC Top Hit name	RT	EstConc	Units	Response	--Internal Standard--			
					#	RT	Resp	Conc
2-Pentanone, 4-...	5.104	9.2	ng	159975	1	6.875	348962	20.0

Report of Analysis

Client:	CDM Smith	Date Collected:	
Project:	South River WM Replacement	Date Received:	
Client Sample ID:	PB168649BS	SDG No.:	Q2436
Lab Sample ID:	PB168649BS	Matrix:	SOIL
Analytical Method:	8270E	% 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
BF142948.D	1	06/27/25 11:20	07/01/25 14:20	PB168649

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units(Dry Weight)
TARGETS						
100-52-7	Benzaldehyde	920		160	330	ug/Kg
108-95-2	Phenol	1400		22.1	170	ug/Kg
111-44-4	bis(2-Chloroethyl)ether	1500		24.3	170	ug/Kg
95-57-8	2-Chlorophenol	1500		24.4	170	ug/Kg
95-48-7	2-Methylphenol	1400		29.9	170	ug/Kg
108-60-1	2,2-oxybis(1-Chloropropane)	1400		37.5	170	ug/Kg
98-86-2	Acetophenone	1500		29.5	170	ug/Kg
65794-96-9	3+4-Methylphenols	1500		41.1	330	ug/Kg
621-64-7	n-Nitroso-di-n-propylamine	1500		47.4	80.0	ug/Kg
67-72-1	Hexachloroethane	1500		17.6	170	ug/Kg
98-95-3	Nitrobenzene	1500		18.3	170	ug/Kg
78-59-1	Isophorone	1500		32.8	170	ug/Kg
88-75-5	2-Nitrophenol	1500		58.2	170	ug/Kg
105-67-9	2,4-Dimethylphenol	1400		64.8	170	ug/Kg
111-91-1	bis(2-Chloroethoxy)methane	1400		30.8	170	ug/Kg
120-83-2	2,4-Dichlorophenol	1500		28.3	170	ug/Kg
91-20-3	Naphthalene	1500		22.7	170	ug/Kg
106-47-8	4-Chloroaniline	730		35.4	170	ug/Kg
87-68-3	Hexachlorobutadiene	1500		25.3	170	ug/Kg
105-60-2	Caprolactam	1500		52.1	330	ug/Kg
59-50-7	4-Chloro-3-methylphenol	1400		28.7	170	ug/Kg
91-57-6	2-Methylnaphthalene	1500		25.6	170	ug/Kg
77-47-4	Hexachlorocyclopentadiene	3100	E	120	330	ug/Kg
88-06-2	2,4,6-Trichlorophenol	1500		19.8	170	ug/Kg
95-95-4	2,4,5-Trichlorophenol	1500		29.1	170	ug/Kg
92-52-4	1,1-Biphenyl	1500		21.8	170	ug/Kg
91-58-7	2-Chloronaphthalene	1500		22.5	170	ug/Kg
88-74-4	2-Nitroaniline	1500		48.1	170	ug/Kg
131-11-3	Dimethylphthalate	1500		27.1	170	ug/Kg

Report of Analysis

Client:	CDM Smith	Date Collected:	
Project:	South River WM Replacement	Date Received:	
Client Sample ID:	PB168649BS	SDG No.:	Q2436
Lab Sample ID:	PB168649BS	Matrix:	SOIL
Analytical Method:	8270E	% 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
BF142948.D	1	06/27/25 11:20	07/01/25 14:20	PB168649

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units(Dry Weight)
208-96-8	Acenaphthylene	1500		28.9	170	ug/Kg
606-20-2	2,6-Dinitrotoluene	1500		33.6	170	ug/Kg
99-09-2	3-Nitroaniline	910		46.0	170	ug/Kg
83-32-9	Acenaphthene	1600		21.3	170	ug/Kg
51-28-5	2,4-Dinitrophenol	3000	E	230	330	ug/Kg
100-02-7	4-Nitrophenol	2800	E	110	330	ug/Kg
132-64-9	Dibenzofuran	1500		22.7	170	ug/Kg
121-14-2	2,4-Dinitrotoluene	1500		50.1	170	ug/Kg
84-66-2	Diethylphthalate	1500		28.3	170	ug/Kg
7005-72-3	4-Chlorophenyl-phenylether	1500		26.7	170	ug/Kg
86-73-7	Fluorene	1500		25.3	170	ug/Kg
100-01-6	4-Nitroaniline	1400		64.2	170	ug/Kg
534-52-1	4,6-Dinitro-2-methylphenol	1500		100	330	ug/Kg
86-30-6	n-Nitrosodiphenylamine	1600		32.9	170	ug/Kg
101-55-3	4-Bromophenyl-phenylether	1600		27.8	170	ug/Kg
118-74-1	Hexachlorobenzene	1600		25.3	170	ug/Kg
1912-24-9	Atrazine	1700		34.0	170	ug/Kg
87-86-5	Pentachlorophenol	2900	E	51.3	330	ug/Kg
85-01-8	Phenanthrene	1500		20.9	170	ug/Kg
120-12-7	Anthracene	1500		33.3	170	ug/Kg
86-74-8	Carbazole	1500		31.2	170	ug/Kg
84-74-2	Di-n-butylphthalate	1700		47.9	170	ug/Kg
206-44-0	Fluoranthene	1500		30.0	170	ug/Kg
129-00-0	Pyrene	1300		36.0	170	ug/Kg
85-68-7	Butylbenzylphthalate	1700		71.4	170	ug/Kg
91-94-1	3,3-Dichlorobenzidine	860		36.7	330	ug/Kg
56-55-3	Benzo(a)anthracene	1500		23.0	170	ug/Kg
218-01-9	Chrysene	1600		19.9	170	ug/Kg
117-81-7	Bis(2-ethylhexyl)phthalate	1800		59.2	170	ug/Kg
117-84-0	Di-n-octyl phthalate	1800		86.8	330	ug/Kg
205-99-2	Benzo(b)fluoranthene	1500		19.0	170	ug/Kg

Report of Analysis

Client:	CDM Smith	Date Collected:	
Project:	South River WM Replacement	Date Received:	
Client Sample ID:	PB168649BS	SDG No.:	Q2436
Lab Sample ID:	PB168649BS	Matrix:	SOIL
Analytical Method:	8270E	% 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
BF142948.D	1	06/27/25 11:20	07/01/25 14:20	PB168649

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units(Dry Weight)
207-08-9	Benzo(k)fluoranthene	1700		22.4	170	ug/Kg
50-32-8	Benzo(a)pyrene	1600		29.5	170	ug/Kg
193-39-5	Indeno(1,2,3-cd)pyrene	1500		29.1	170	ug/Kg
53-70-3	Dibenzo(a,h)anthracene	1500		27.4	170	ug/Kg
191-24-2	Benzo(g,h,i)perylene	1500		25.7	170	ug/Kg
95-94-3	1,2,4,5-Tetrachlorobenzene	1600		25.6	170	ug/Kg
123-91-1	1,4-Dioxane	1200		45.2	170	ug/Kg
58-90-2	2,3,4,6-Tetrachlorophenol	1500		27.4	170	ug/Kg
SURROGATES						
367-12-4	2-Fluorophenol	128		18 - 112	86%	SPK: 150
13127-88-3	Phenol-d6	126		15 - 107	84%	SPK: 150
4165-60-0	Nitrobenzene-d5	79.9		18 - 107	80%	SPK: 100
321-60-8	2-Fluorobiphenyl	84.0		20 - 109	84%	SPK: 100
118-79-6	2,4,6-Tribromophenol	126		10 - 116	84%	SPK: 150
1718-51-0	Terphenyl-d14	71.8		10 - 105	72%	SPK: 100
INTERNAL STANDARDS						
3855-82-1	1,4-Dichlorobenzene-d4	61000	6.875			
1146-65-2	Naphthalene-d8	231000	8.157			
15067-26-2	Acenaphthene-d10	115000	9.916			
1517-22-2	Phenanthrene-d10	176000	11.404			
1719-03-5	Chrysene-d12	115000	14.051			
1520-96-3	Perylene-d12	137000	15.539			

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\BF070125\
 Data File : BF142948.D
 Acq On : 01 Jul 2025 14:20
 Operator : RC/JU
 Sample : PB168649BS
 Misc :
 ALS Vial : 9 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 PB168649BS

Quant Time: Jul 01 14:40:02 2025
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF061925.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Tue Jun 24 05:28:21 2025
 Response via : Initial Calibration

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

Internal Standards						
1) 1,4-Dichlorobenzene-d4	6.875	152	61044	20.000	ng	0.00
21) Naphthalene-d8	8.157	136	231195	20.000	ng	-0.01
39) Acenaphthene-d10	9.916	164	114663	20.000	ng	0.00
64) Phenanthrene-d10	11.404	188	176464	20.000	ng	0.00
76) Chrysene-d12	14.051	240	114544	20.000	ng	0.00
86) Perylene-d12	15.539	264	137043	20.000	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.504	112	470424	128.304	ng	0.01
7) Phenol-d6	6.510	99	546182	126.264	ng	0.00
23) Nitrobenzene-d5	7.439	82	336872	79.923	ng	0.00
42) 2,4,6-Tribromophenol	10.710	330	148938	126.223	ng	0.00
45) 2-Fluorobiphenyl	9.233	172	733536	84.040	ng	-0.01
79) Terphenyl-d14	12.986	244	595119	71.787	ng	-0.01
Target Compounds						
						Qvalue
2) 1,4-Dioxane	2.704	88	53482	36.469	ng	99
3) Pyridine	3.469	79	148477	40.386	ng	97
4) n-Nitrosodimethylamine	3.422	42	81640	42.942	ng	99
6) Aniline	6.534	93	190024	33.015	ng	# 76
8) 2-Chlorophenol	6.657	128	176292	44.574	ng	98
9) Benzaldehyde	6.422	77	70542	27.487	ng	99
10) Phenol	6.522	94	202603	42.136	ng	91
11) bis(2-Chloroethyl)ether	6.610	93	151896	44.199	ng	96
12) 1,3-Dichlorobenzene	6.816	146	196071	44.327	ng	99
13) 1,4-Dichlorobenzene	6.892	146	196990	44.141	ng	99
14) 1,2-Dichlorobenzene	7.045	146	188539	44.542	ng	98
15) Benzyl Alcohol	7.016	79	138733	44.363	ng	99
16) 2,2'-oxybis(1-Chloropr...	7.145	45	227639	41.229	ng	89
17) 2-Methylphenol	7.128	107	129609	43.243	ng	99
18) Hexachloroethane	7.387	117	69551	44.557	ng	95
19) n-Nitroso-di-n-propyla...	7.287	70	110795	44.039	ng	98
20) 3+4-Methylphenols	7.281	107	163177	43.665	ng	93
22) Acetophenone	7.281	105	231867	45.480	ng	99
24) Nitrobenzene	7.457	77	168026	44.044	ng	98
25) Isophorone	7.698	82	295732	43.738	ng	99
26) 2-Nitrophenol	7.775	139	95573	45.989	ng	99
27) 2,4-Dimethylphenol	7.810	122	154669	42.967	ng	99
28) bis(2-Chloroethoxy)met...	7.904	93	186525	43.392	ng	100
29) 2,4-Dichlorophenol	8.016	162	144079	44.142	ng	98
30) 1,2,4-Trichlorobenzene	8.098	180	160502	44.719	ng	100
31) Naphthalene	8.181	128	498301	44.033	ng	100
32) Benzoic acid	7.928	122	77344	42.155	ng	96
33) 4-Chloroaniline	8.228	127	101198	21.992	ng	99
34) Hexachlorobutadiene	8.292	225	99990	45.546	ng	100
35) Caprolactam	8.598	113	38641	44.864	ng	95
36) 4-Chloro-3-methylphenol	8.716	107	138409	42.668	ng	99
37) 2-Methylnaphthalene	8.869	142	309154	44.065	ng	99
38) 1-Methylnaphthalene	8.969	142	316459	43.573	ng	99
40) 1,2,4,5-Tetrachloroben...	9.039	216	158865	46.955	ng	98
41) Hexachlorocyclopentadiene	9.022	237	178478	92.959	ng	99
43) 2,4,6-Trichlorophenol	9.151	196	97335	44.150	ng	99

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF070125\
 Data File : BF142948.D
 Acq On : 01 Jul 2025 14:20
 Operator : RC/JU
 Sample : PB168649BS
 Misc :
 ALS Vial : 9 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 PB168649BS

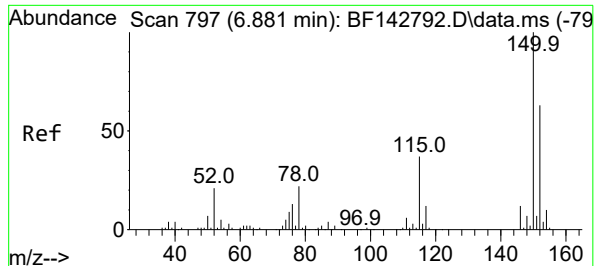
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 Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF061925.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Tue Jun 24 05:28:21 2025
 Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
44) 2,4,5-Trichlorophenol	9.192	196	101994	43.948	ng	99
46) 1,1'-Biphenyl	9.339	154	416990	46.037	ng	99
47) 2-Chloronaphthalene	9.363	162	307505	45.240	ng	100
48) 2-Nitroaniline	9.457	65	83872	44.013	ng	97
49) Acenaphthylene	9.780	152	495998	44.327	ng	100
50) Dimethylphthalate	9.633	163	334622	45.084	ng	99
51) 2,6-Dinitrotoluene	9.698	165	73609	45.159	ng	100
52) Acenaphthene	9.951	154	333580m	48.861	ng	
53) 3-Nitroaniline	9.869	138	48995	27.301	ng	97
54) 2,4-Dinitrophenol	9.980	184	74241	90.963	ng	97
55) Dibenzofuran	10.122	168	438874	44.830	ng	99
56) 4-Nitrophenol	10.039	139	101548	82.653	ng	99
57) 2,4-Dinitrotoluene	10.104	165	98510	45.499	ng	98
58) Fluorene	10.469	166	335922	43.936	ng	100
59) 2,3,4,6-Tetrachlorophenol	10.245	232	81701	43.674	ng	95
60) Diethylphthalate	10.333	149	328095	45.085	ng	99
61) 4-Chlorophenyl-phenyle...	10.457	204	163942	44.935	ng	99
62) 4-Nitroaniline	10.486	138	69318	42.233	ng	98
63) Azobenzene	10.616	77	279159	42.920	ng	99
65) 4,6-Dinitro-2-methylph...	10.516	198	49173	46.069	ng	96
66) n-Nitrosodiphenylamine	10.575	169	288291	47.139	ng	99
67) 4-Bromophenyl-phenylether	10.945	248	95437	47.521	ng	96
68) Hexachlorobenzene	11.016	284	105884	47.448	ng	99
69) Atrazine	11.098	200	80518	50.983	ng	99
70) Pentachlorophenol	11.210	266	97610	87.779	ng	100
71) Phenanthrene	11.427	178	440329	46.064	ng	100
72) Anthracene	11.480	178	452166	46.122	ng	100
73) Carbazole	11.639	167	384308	45.425	ng	100
74) Di-n-butylphthalate	11.963	149	442675	50.228	ng	99
75) Fluoranthene	12.621	202	412056	45.421	ng	99
77) Benzidine	12.739	184	163833	38.069	ng	99
78) Pyrene	12.851	202	413028	38.469	ng	100
80) Butylbenzylphthalate	13.463	149	159245	51.132	ng	97
81) Benzo(a)anthracene	14.039	228	346937	44.898	ng	100
82) 3,3'-Dichlorobenzidine	13.998	252	64718	25.821	ng	100
83) Chrysene	14.074	228	324437	47.053	ng	99
84) Bis(2-ethylhexyl)phtha...	14.021	149	241584	53.913	ng	100
85) Di-n-octyl phthalate	14.633	149	444091	52.559	ng	98
87) Indeno(1,2,3-cd)pyrene	17.056	276	458083	43.884	ng	98
88) Benzo(b)fluoranthene	15.104	252	360985	45.522	ng	99
89) Benzo(k)fluoranthene	15.133	252	372857	50.257	ng	99
90) Benzo(a)pyrene	15.480	252	363172	47.406	ng	99
91) Dibenzo(a,h)anthracene	17.068	278	373393	44.025	ng	99
92) Benzo(g,h,i)perylene	17.515	276	368794	43.606	ng	98

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

Instrument :
BNA_F
ClientSampleId :
PB168649BS

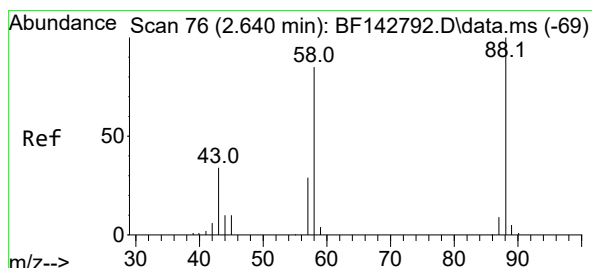
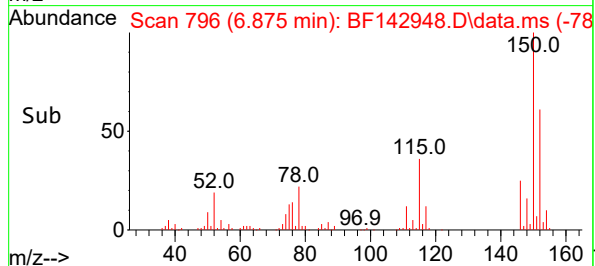
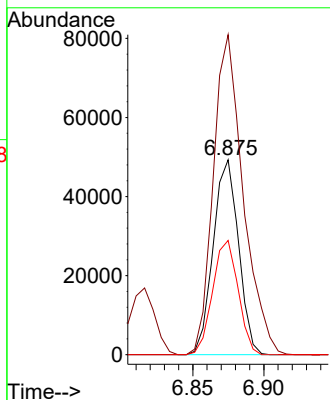
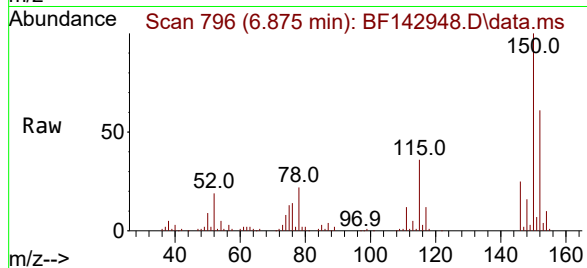
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#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.875 min Scan# 79
Delta R.T. -0.006 min
Lab File: BF142948.D
Acq: 01 Jul 2025 14:20

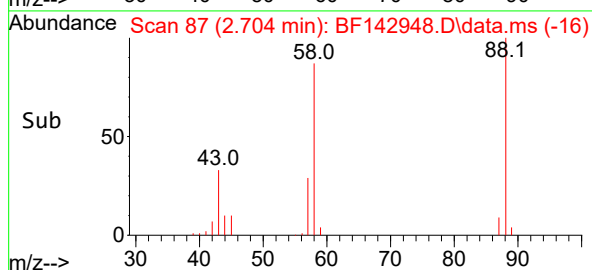
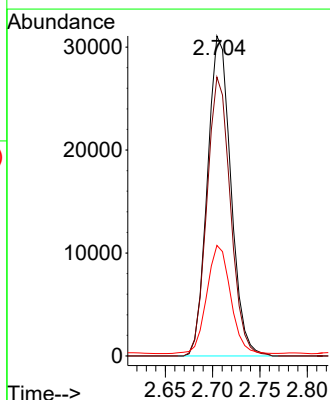
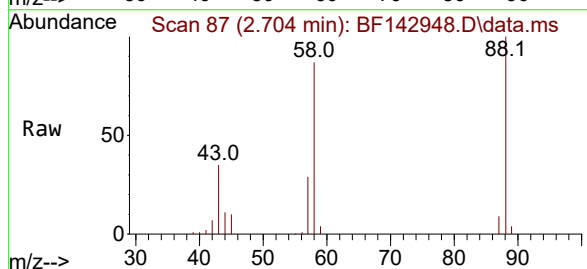
Instrument :
BNA_F
ClientSampleId :
PB168649BS

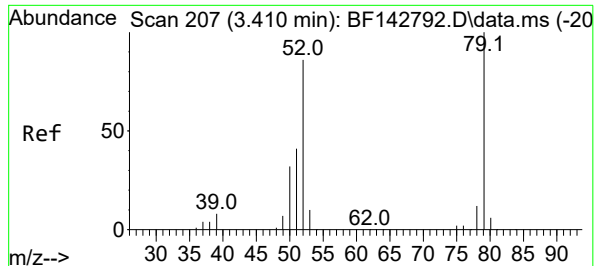
Tgt Ion:152 Resp: 61044
Ion Ratio Lower Upper
152 100
150 164.2 127.2 190.8
115 58.7 46.6 69.8



#2
1,4-Dioxane
Concen: 36.469 ng
RT: 2.704 min Scan# 87
Delta R.T. 0.065 min
Lab File: BF142948.D
Acq: 01 Jul 2025 14:20

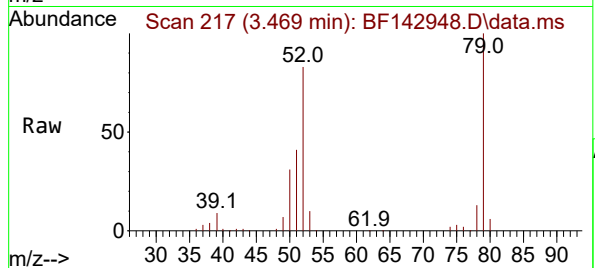
Tgt Ion: 88 Resp: 53482
Ion Ratio Lower Upper
88 100
58 87.3 69.1 103.7
43 34.2 27.4 41.2



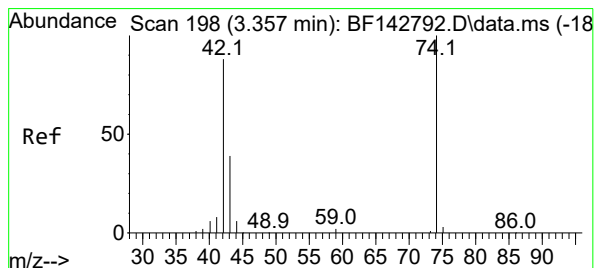
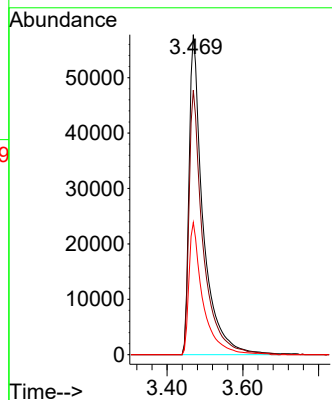
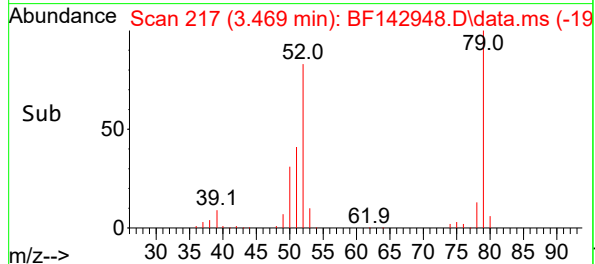


#3
Pyridine
Concen: 40.386 ng
RT: 3.469 min Scan# 217
Delta R.T. 0.059 min
Lab File: BF142948.D
Acq: 01 Jul 2025 14:20

Instrument :
BNA_F
ClientSampleId :
PB168649BS

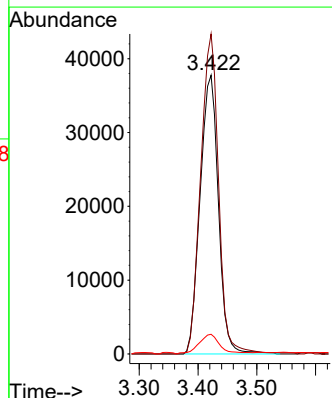
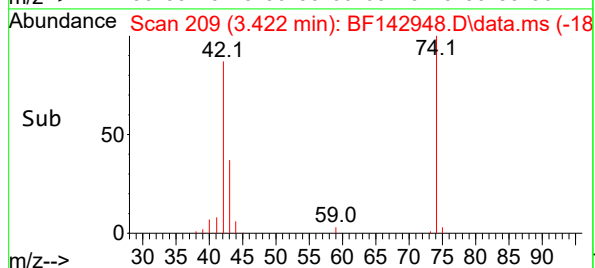
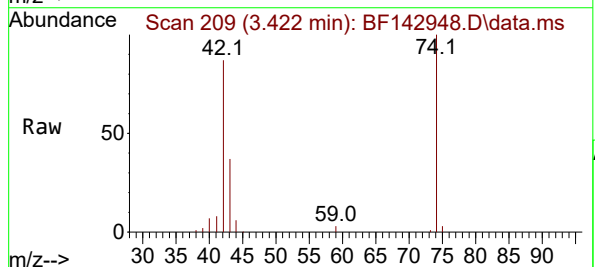


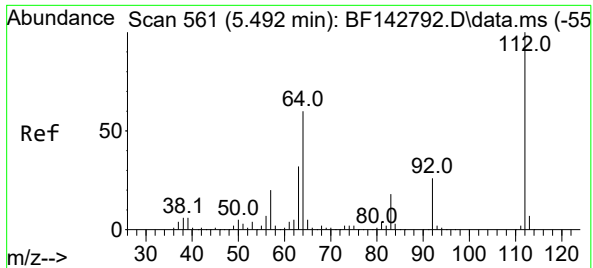
Tgt Ion: 79 Resp: 148477
Ion Ratio Lower Upper
79 100
52 82.6 69.2 103.8
51 41.3 33.2 49.8



#4
n-Nitrosodimethylamine
Concen: 42.942 ng
RT: 3.422 min Scan# 209
Delta R.T. 0.065 min
Lab File: BF142948.D
Acq: 01 Jul 2025 14:20

Tgt Ion: 42 Resp: 81640
Ion Ratio Lower Upper
42 100
74 114.8 90.9 136.3
44 7.0 5.8 8.6





#5

2-Fluorophenol

Concen: 128.304 ng

RT: 5.504 min Scan# 50

Delta R.T. 0.012 min

Lab File: BF142948.D

Acq: 01 Jul 2025 14:20

Instrument :

BNA_F

ClientSampleId :

PB168649BS

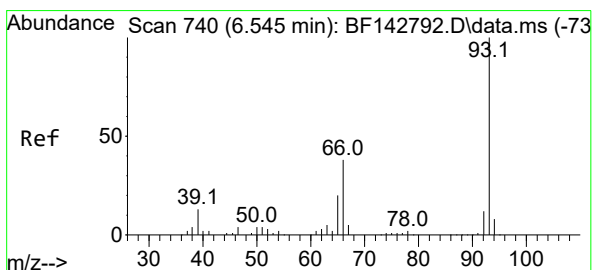
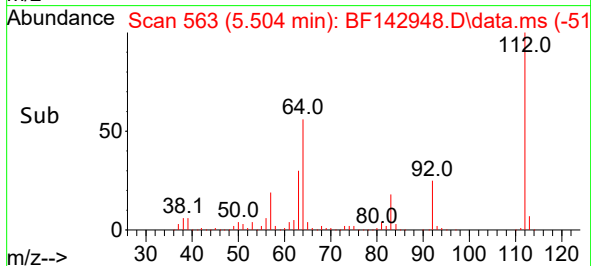
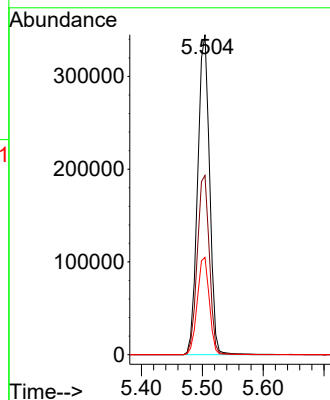
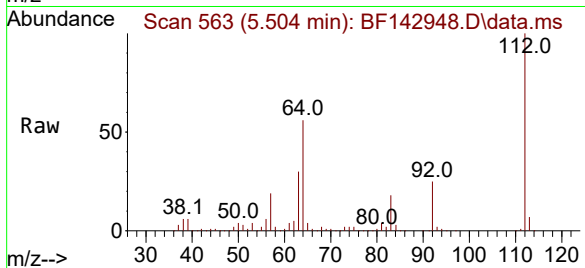
Tgt Ion:112 Resp: 470424

Ion Ratio Lower Upper

112 100

64 56.0 48.2 72.2

63 30.4 25.7 38.5



#6

Aniline

Concen: 33.015 ng

RT: 6.534 min Scan# 738

Delta R.T. -0.012 min

Lab File: BF142948.D

Acq: 01 Jul 2025 14:20

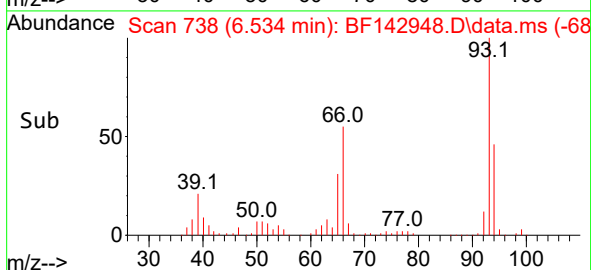
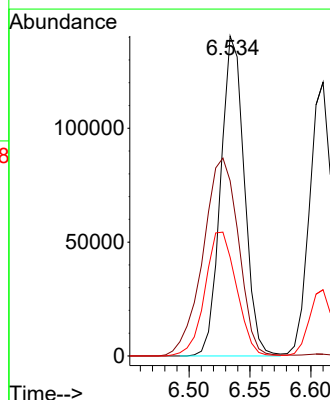
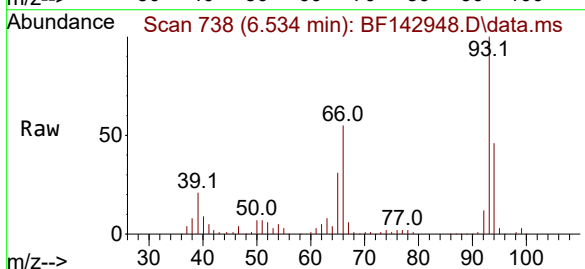
Tgt Ion: 93 Resp: 190024

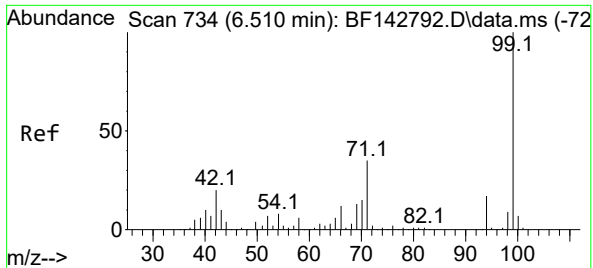
Ion Ratio Lower Upper

93 100

66 54.7 31.8 47.6#

65 30.9 16.2 24.2#

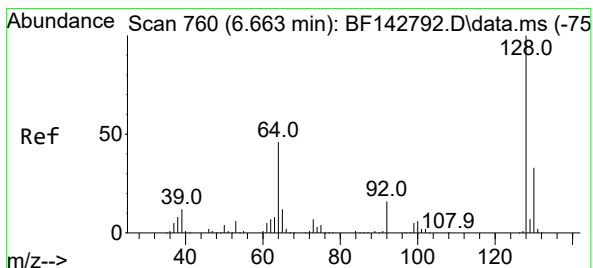
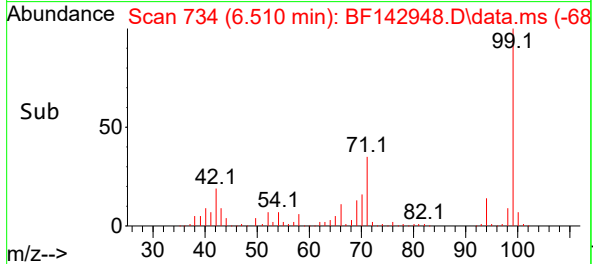
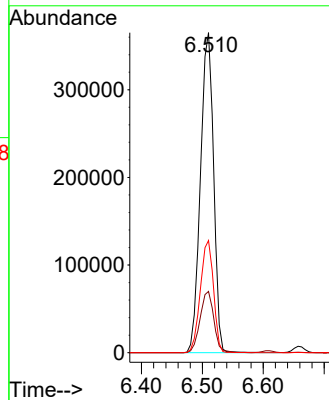
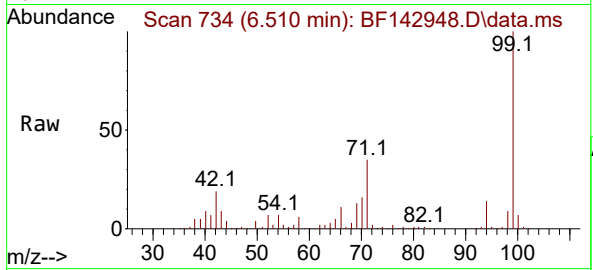




#7
Phenol-d6
Concen: 126.264 ng
RT: 6.510 min Scan# 710
Delta R.T. 0.000 min
Lab File: BF142948.D
Acq: 01 Jul 2025 14:20

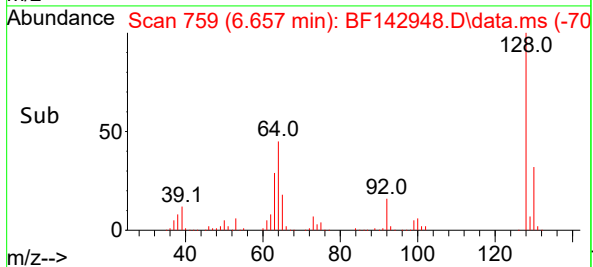
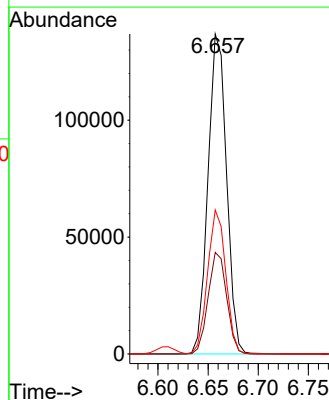
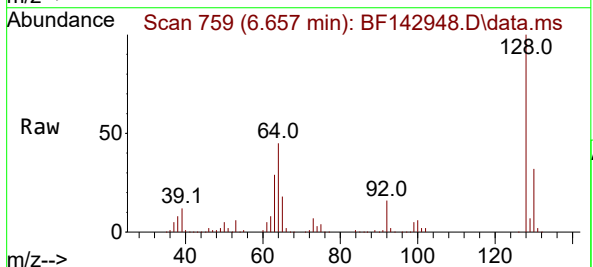
Instrument :
BNA_F
ClientSampleId :
PB168649BS

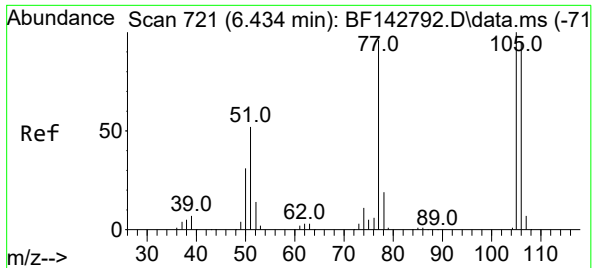
Tgt Ion: 99 Resp: 546182
Ion Ratio Lower Upper
99 100
42 19.1 15.9 23.9
71 35.1 27.8 41.8



#8
2-Chlorophenol
Concen: 44.574 ng
RT: 6.657 min Scan# 759
Delta R.T. -0.006 min
Lab File: BF142948.D
Acq: 01 Jul 2025 14:20

Tgt Ion: 128 Resp: 176292
Ion Ratio Lower Upper
128 100
130 31.8 12.7 52.7
64 45.0 26.5 66.5

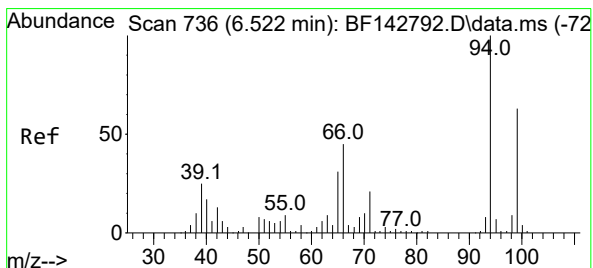
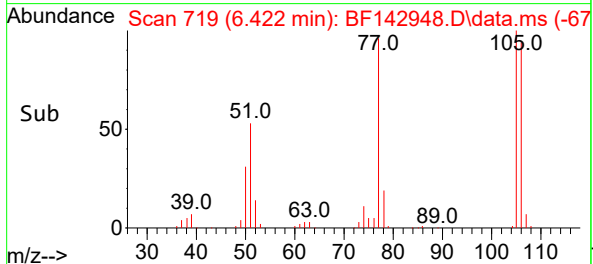
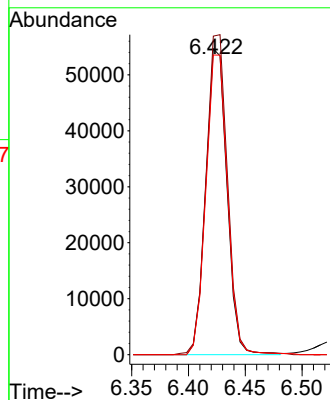
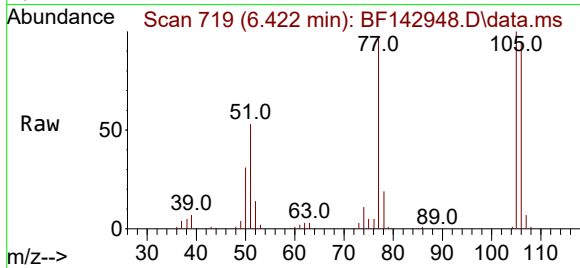




#9
Benzaldehyde
Concen: 27.487 ng
RT: 6.422 min Scan# 719
Delta R.T. -0.012 min
Lab File: BF142948.D
Acq: 01 Jul 2025 14:20

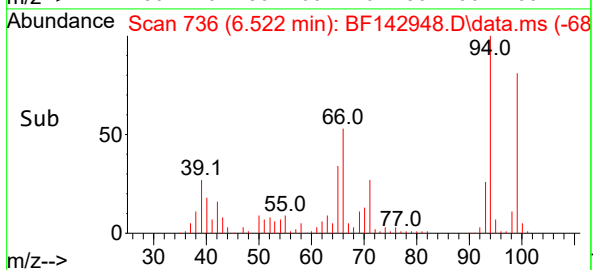
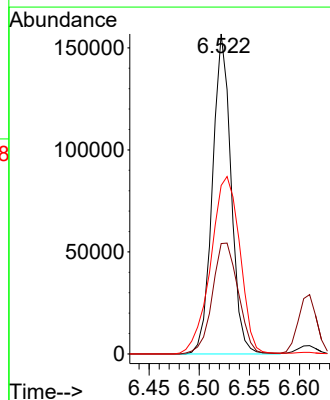
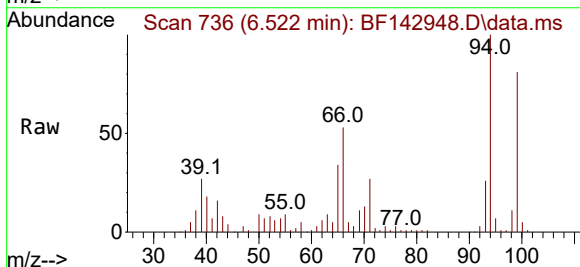
Instrument :
BNA_F
ClientSampleId :
PB168649BS

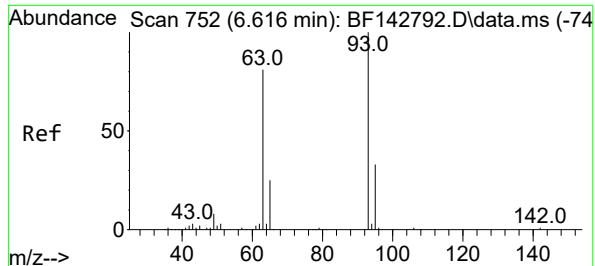
Tgt Ion: 77 Resp: 70542
Ion Ratio Lower Upper
77 100
105 104.2 83.8 123.8
106 98.0 78.7 118.7



#10
Phenol
Concen: 42.136 ng
RT: 6.522 min Scan# 736
Delta R.T. 0.000 min
Lab File: BF142948.D
Acq: 01 Jul 2025 14:20

Tgt Ion: 94 Resp: 202603
Ion Ratio Lower Upper
94 100
65 34.5 11.3 51.3
66 52.7 24.9 64.9





#11

bis(2-Chloroethyl)ether

Concen: 44.199 ng

RT: 6.610 min Scan# 751

Delta R.T. -0.006 min

Lab File: BF142948.D

Acq: 01 Jul 2025 14:20

Instrument :

BNA_F

ClientSampleId :

PB168649BS

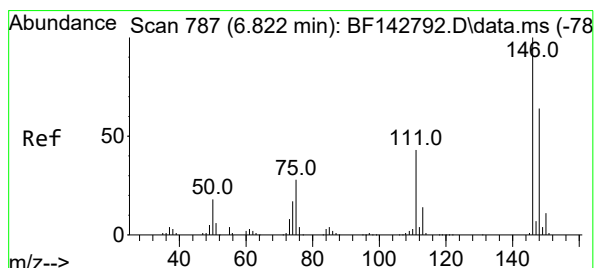
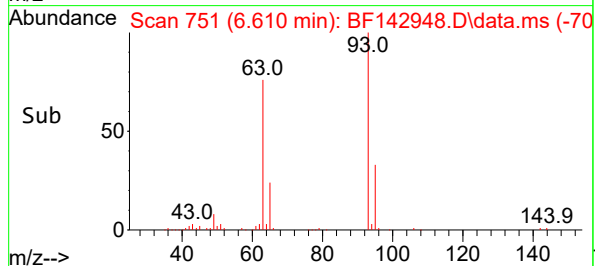
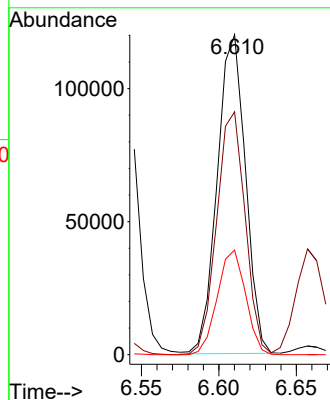
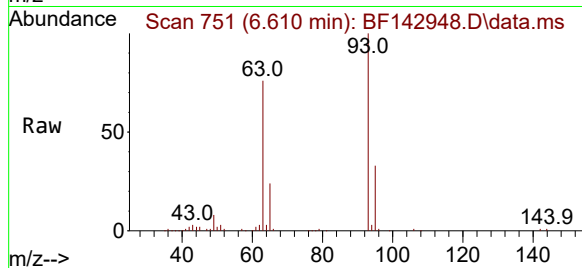
Tgt Ion: 93 Resp: 151896

Ion Ratio Lower Upper

93 100

63 75.9 60.3 100.3

95 32.7 12.5 52.5



#12

1,3-Dichlorobenzene

Concen: 44.327 ng

RT: 6.816 min Scan# 786

Delta R.T. -0.006 min

Lab File: BF142948.D

Acq: 01 Jul 2025 14:20

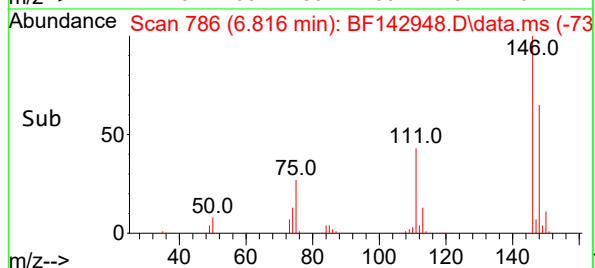
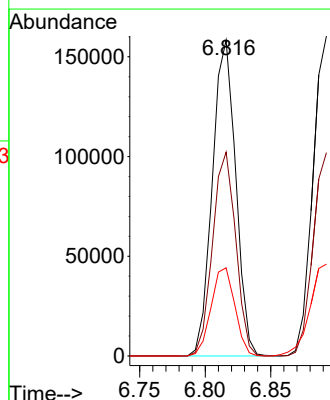
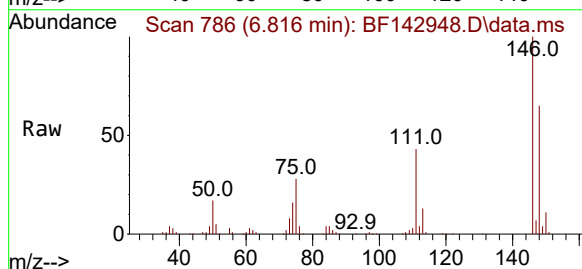
Tgt Ion:146 Resp: 196071

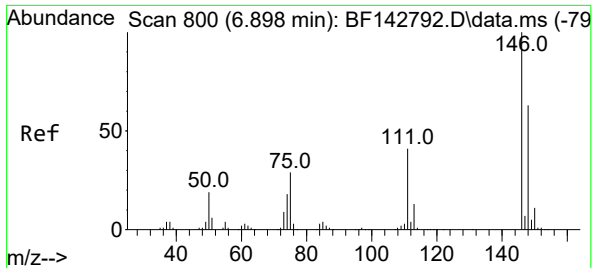
Ion Ratio Lower Upper

146 100

148 64.6 51.1 76.7

75 27.9 22.7 34.1





#13

1,4-Dichlorobenzene

Concen: 44.141 ng

RT: 6.892 min Scan# 79

Delta R.T. -0.006 min

Lab File: BF142948.D

Acq: 01 Jul 2025 14:20

Instrument :

BNA_F

ClientSampleId :

PB168649BS

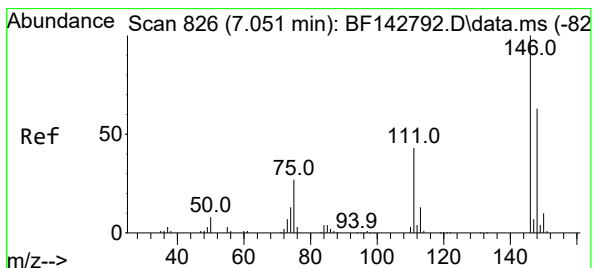
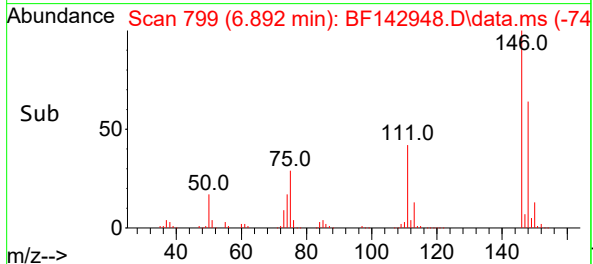
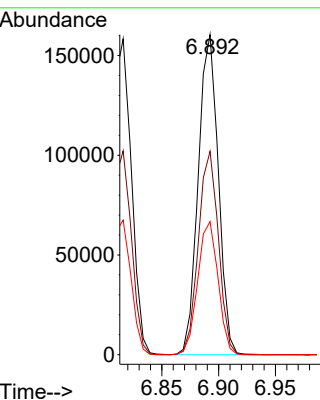
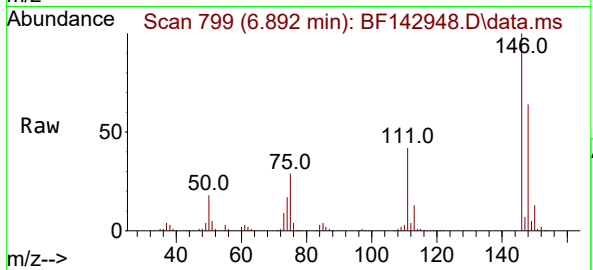
Tgt Ion:146 Resp: 196990

Ion Ratio Lower Upper

146 100

148 63.6 50.2 75.2

111 41.6 33.2 49.8



#14

1,2-Dichlorobenzene

Concen: 44.542 ng

RT: 7.045 min Scan# 825

Delta R.T. -0.006 min

Lab File: BF142948.D

Acq: 01 Jul 2025 14:20

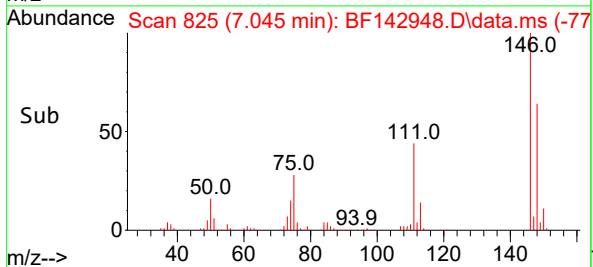
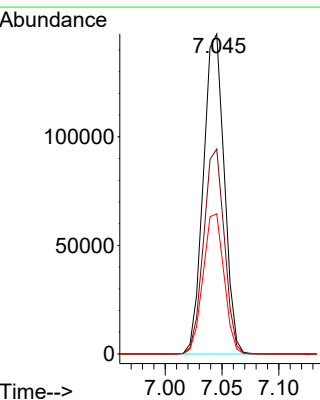
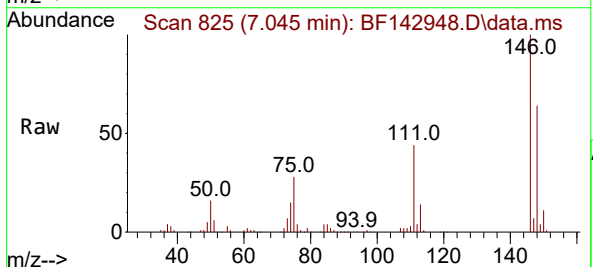
Tgt Ion:146 Resp: 188539

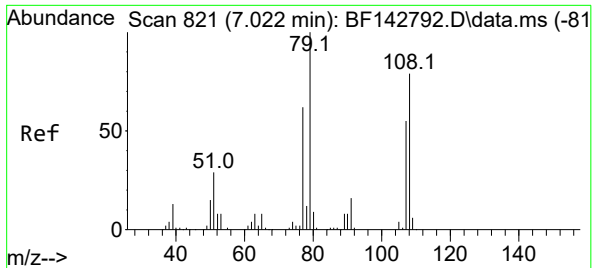
Ion Ratio Lower Upper

146 100

148 64.1 50.4 75.6

111 43.8 34.1 51.1





#15

Benzyl Alcohol

Concen: 44.363 ng

RT: 7.016 min Scan# 81

Delta R.T. -0.006 min

Lab File: BF142948.D

Acq: 01 Jul 2025 14:20

Instrument :

BNA_F

ClientSampleId :

PB168649BS

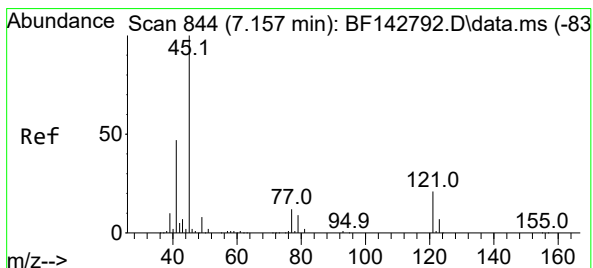
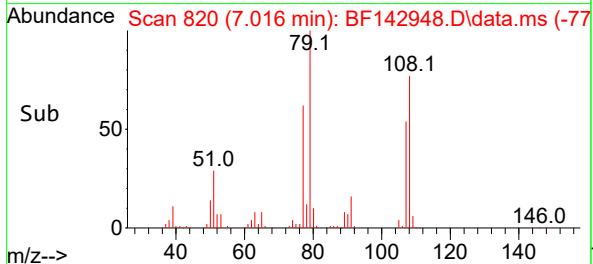
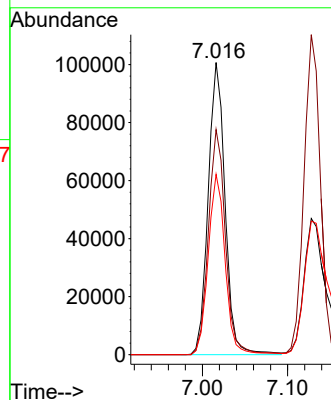
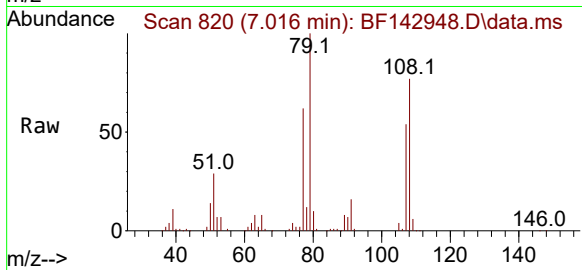
Tgt Ion: 79 Resp: 138733

Ion Ratio Lower Upper

79 100

108 77.0 63.4 95.0

77 61.7 49.5 74.3



#16

2,2'-oxybis(1-Chloropropane)

Concen: 41.229 ng

RT: 7.145 min Scan# 842

Delta R.T. -0.012 min

Lab File: BF142948.D

Acq: 01 Jul 2025 14:20

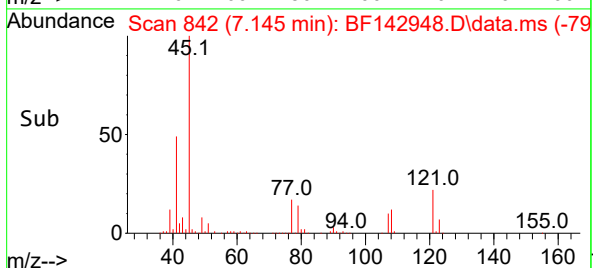
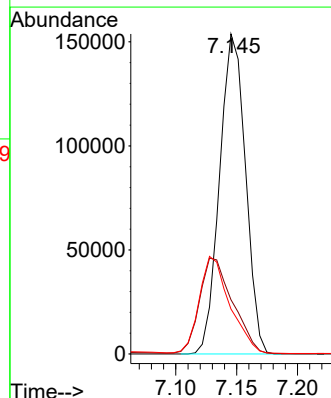
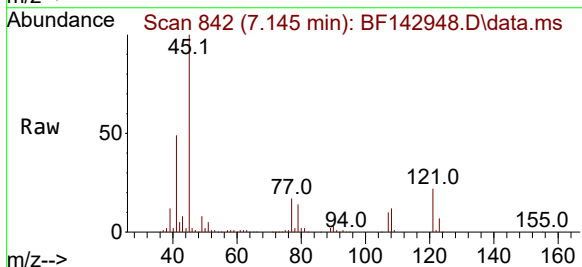
Tgt Ion: 45 Resp: 227639

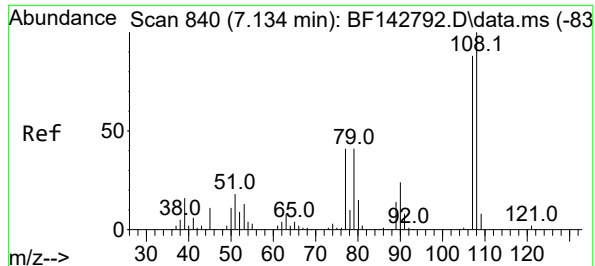
Ion Ratio Lower Upper

45 100

77 17.0 0.0 32.8

79 14.1 0.0 29.8

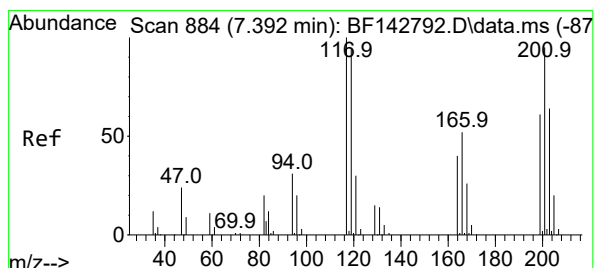
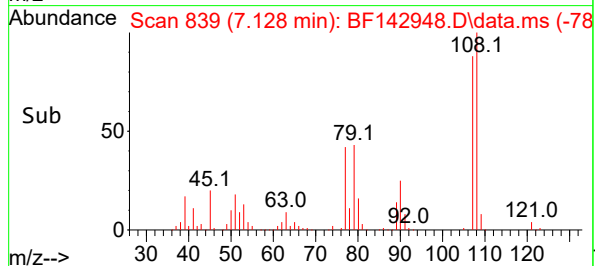
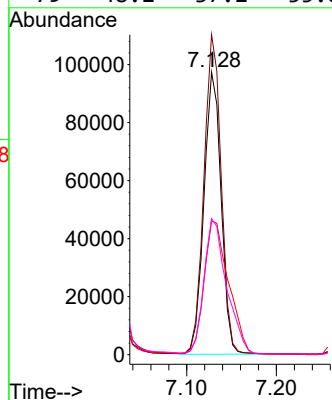
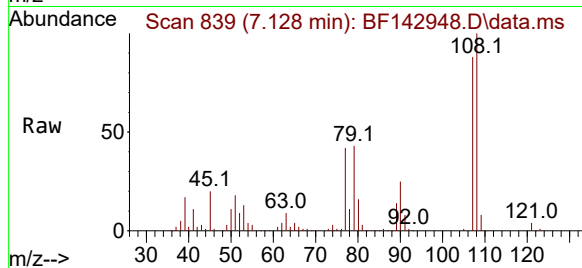




#17
2-Methylphenol
Concen: 43.243 ng
RT: 7.128 min Scan# 81
Delta R.T. -0.006 min
Lab File: BF142948.D
Acq: 01 Jul 2025 14:20

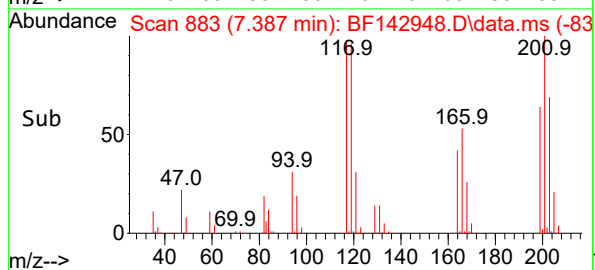
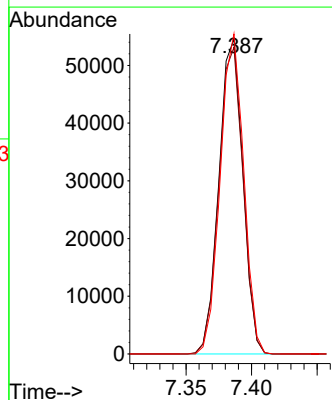
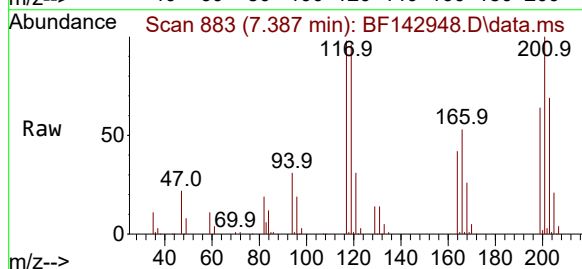
Instrument :
BNA_F
ClientSampleId :
PB168649BS

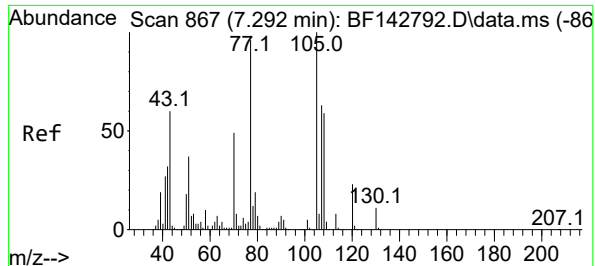
Tgt Ion:107 Resp: 129609
Ion Ratio Lower Upper
107 100
108 113.3 90.9 136.3
77 47.3 37.3 55.9
79 48.2 37.2 55.8



#18
Hexachloroethane
Concen: 44.557 ng
RT: 7.387 min Scan# 883
Delta R.T. -0.006 min
Lab File: BF142948.D
Acq: 01 Jul 2025 14:20

Tgt Ion:117 Resp: 69551
Ion Ratio Lower Upper
117 100
119 97.3 75.4 113.0
201 101.6 75.9 113.9





#19

n-Nitroso-di-n-propylamine

Concen: 44.039 ng

RT: 7.287 min Scan# 8

Delta R.T. -0.006 min

Lab File: BF142948.D

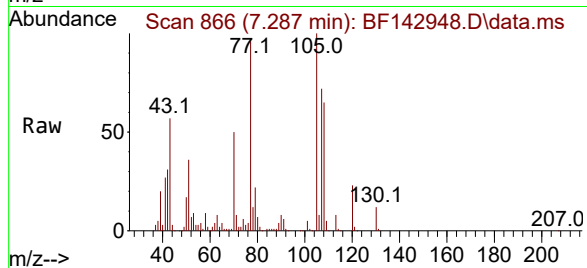
Acq: 01 Jul 2025 14:20

Instrument :

BNA_F

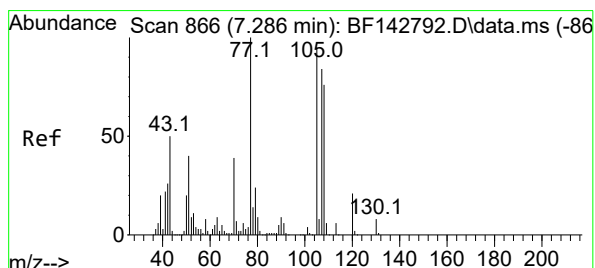
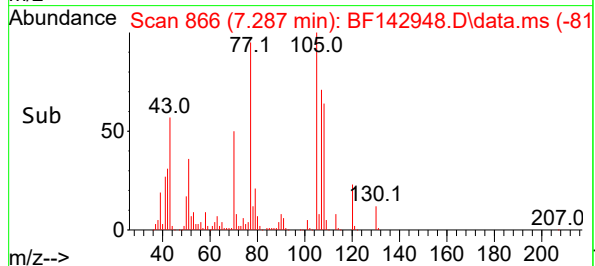
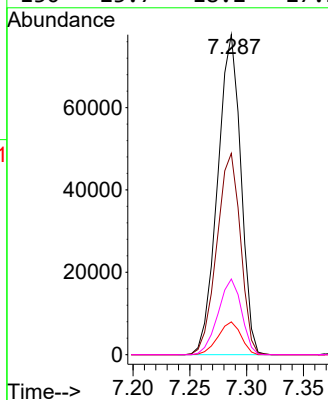
ClientSampleId :

PB168649BS



Tgt Ion: 70 Resp: 110795

Ion	Ratio	Lower	Upper
70	100		
42	62.9	52.1	78.1
101	10.3	8.2	12.2
130	23.7	18.2	27.2



#20

3+4-Methylphenols

Concen: 43.665 ng

RT: 7.281 min Scan# 865

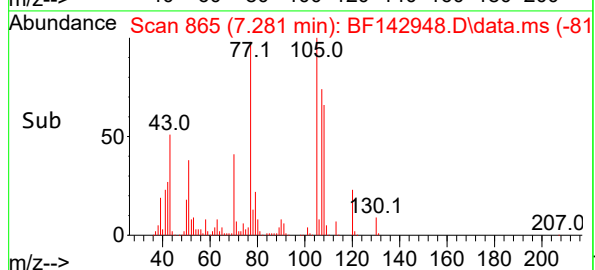
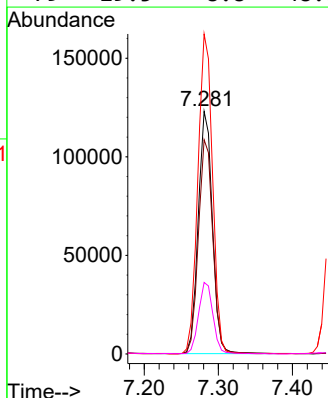
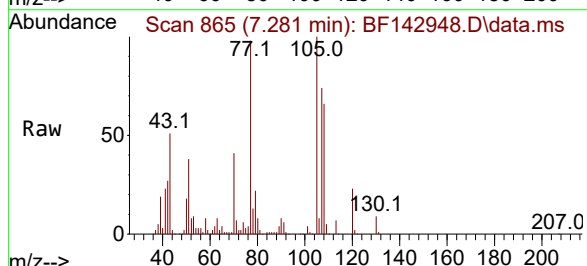
Delta R.T. -0.006 min

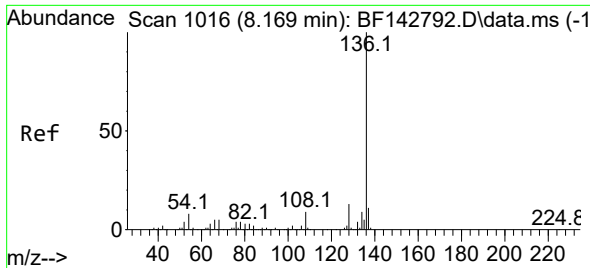
Lab File: BF142948.D

Acq: 01 Jul 2025 14:20

Tgt Ion: 107 Resp: 163177

Ion	Ratio	Lower	Upper
107	100		
108	88.4	70.0	110.0
77	131.9	98.5	138.5
79	29.5	8.8	48.8





#21

Naphthalene-d8

Concen: 20.000 ng

RT: 8.157 min Scan# 1014

Delta R.T. -0.012 min

Lab File: BF142948.D

Acq: 01 Jul 2025 14:20

Instrument :

BNA_F

ClientSampleId :

PB168649BS

Tgt Ion:136 Resp: 231195

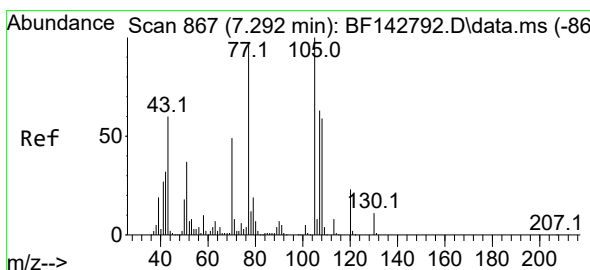
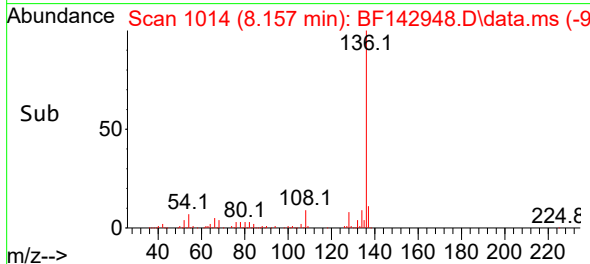
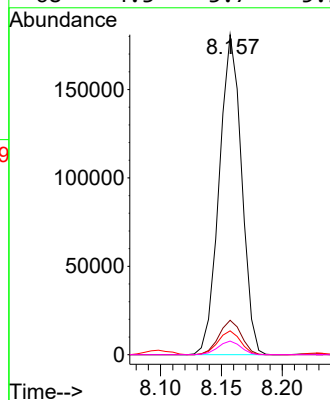
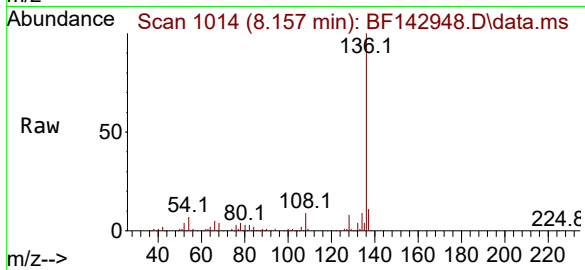
Ion Ratio Lower Upper

136 100

137 10.7 8.4 12.6

54 7.4 6.3 9.5

68 4.3 3.7 5.5



#22

Acetophenone

Concen: 45.480 ng

RT: 7.281 min Scan# 865

Delta R.T. -0.012 min

Lab File: BF142948.D

Acq: 01 Jul 2025 14:20

Tgt Ion:105 Resp: 231867

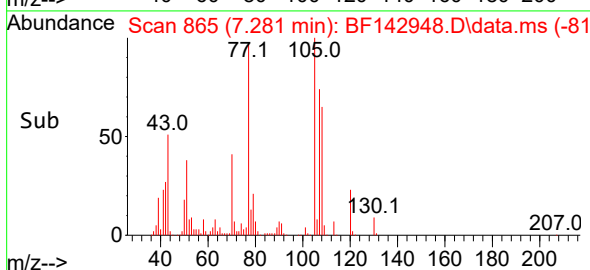
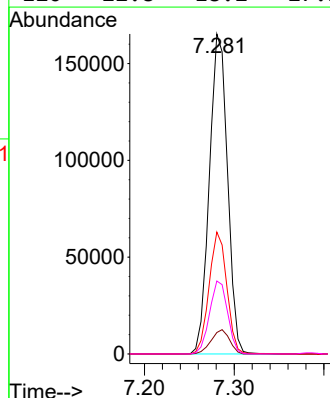
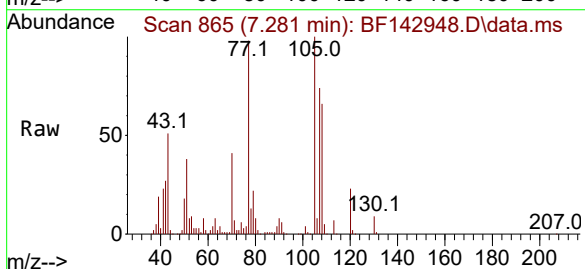
Ion Ratio Lower Upper

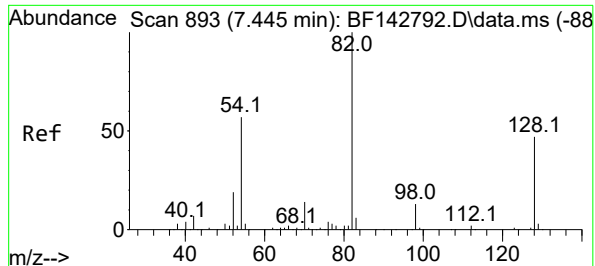
105 100

71 6.7 6.5 9.7

51 38.1 29.8 44.8

120 22.8 18.2 27.2





#23

Nitrobenzene-d5

Concen: 79.923 ng

RT: 7.439 min Scan# 891

Delta R.T. -0.006 min

Lab File: BF142948.D

Acq: 01 Jul 2025 14:20

Instrument :

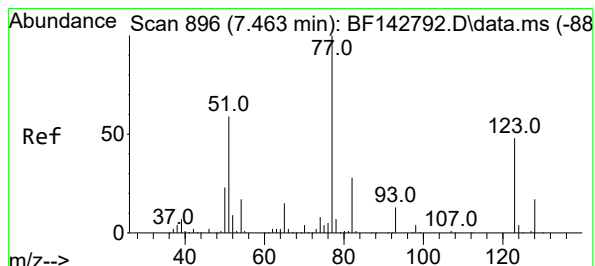
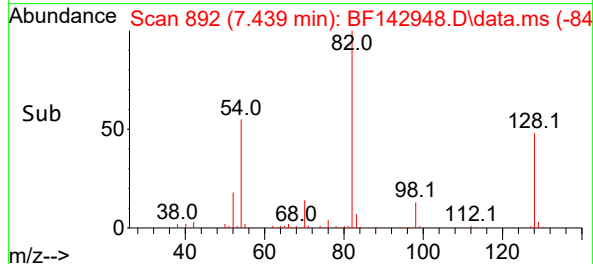
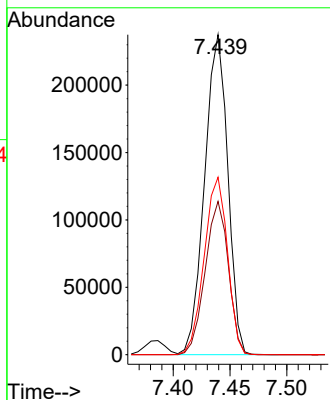
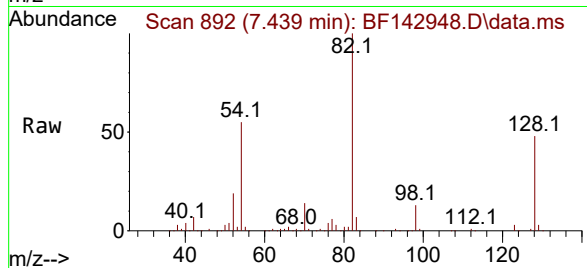
BNA_F

ClientSampleId :

PB168649BS

Tgt Ion: 82 Resp: 336872

Ion	Ratio	Lower	Upper
82	100		
128	47.9	37.7	56.5
54	55.4	45.7	68.5



#24

Nitrobenzene

Concen: 44.044 ng

RT: 7.457 min Scan# 895

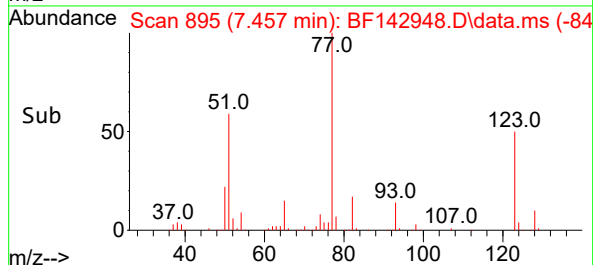
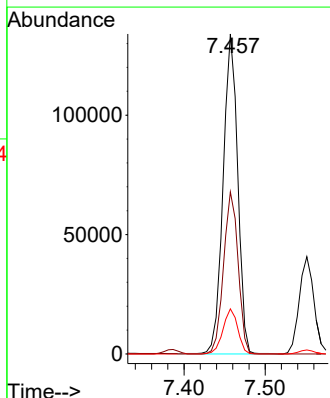
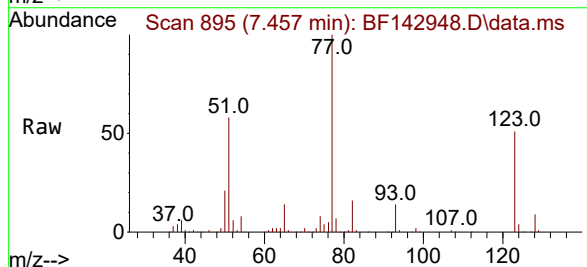
Delta R.T. -0.006 min

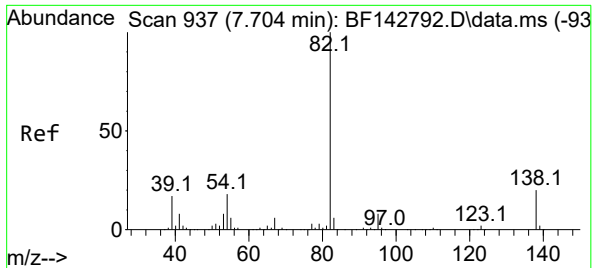
Lab File: BF142948.D

Acq: 01 Jul 2025 14:20

Tgt Ion: 77 Resp: 168026

Ion	Ratio	Lower	Upper
77	100		
123	50.7	39.2	58.8
65	14.1	11.6	17.4

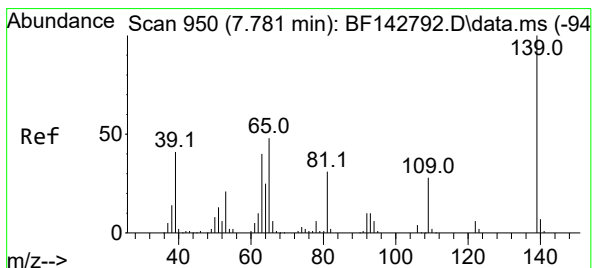
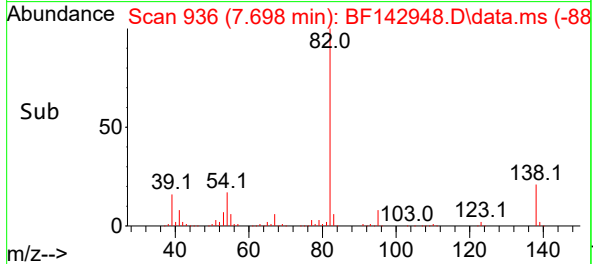
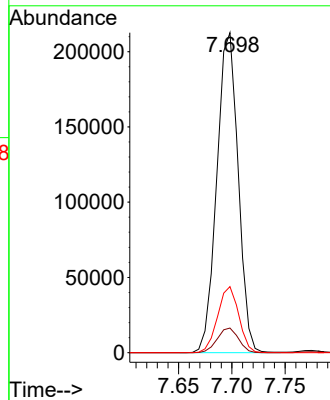
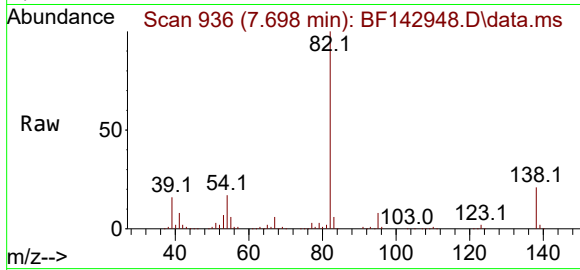




#25
Isophorone
Concen: 43.738 ng
RT: 7.698 min Scan# 91
Delta R.T. -0.006 min
Lab File: BF142948.D
Acq: 01 Jul 2025 14:20

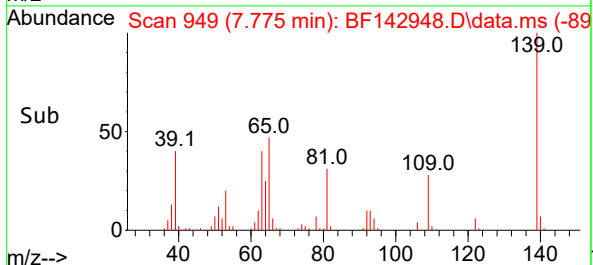
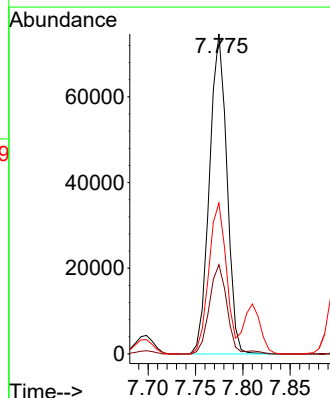
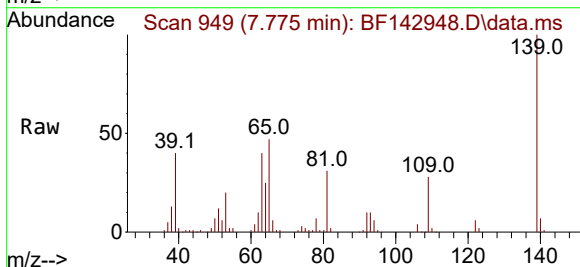
Instrument :
BNA_F
ClientSampleId :
PB168649BS

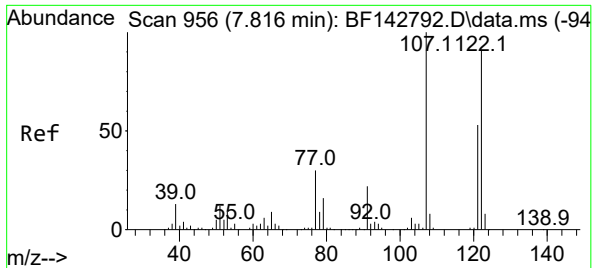
Tgt Ion: 82 Resp: 295732
Ion Ratio Lower Upper
82 100
95 7.7 6.2 9.2
138 20.6 16.2 24.4



#26
2-Nitrophenol
Concen: 45.989 ng
RT: 7.775 min Scan# 949
Delta R.T. -0.006 min
Lab File: BF142948.D
Acq: 01 Jul 2025 14:20

Tgt Ion: 139 Resp: 95573
Ion Ratio Lower Upper
139 100
109 27.9 22.7 34.1
65 47.1 38.6 58.0





#27

2,4-Dimethylphenol

Concen: 42.967 ng

RT: 7.810 min Scan# 91

Delta R.T. -0.006 min

Lab File: BF142948.D

Acq: 01 Jul 2025 14:20

Instrument :

BNA_F

ClientSampleId :

PB168649BS

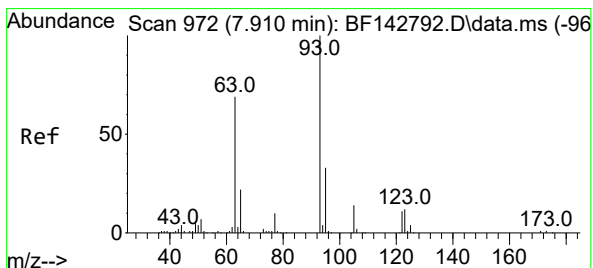
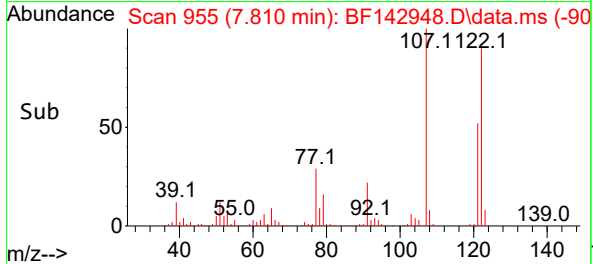
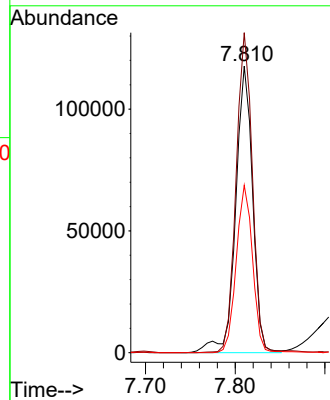
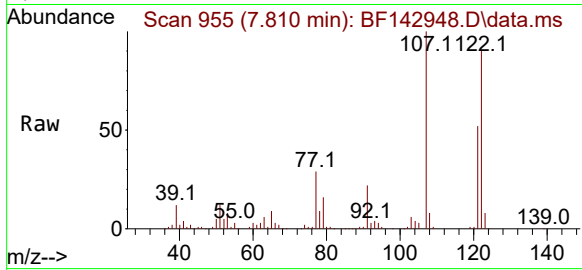
Tgt Ion:122 Resp: 154669

Ion Ratio Lower Upper

122 100

107 111.7 88.0 132.0

121 58.4 46.3 69.5



#28

bis(2-Chloroethoxy)methane

Concen: 43.392 ng

RT: 7.904 min Scan# 971

Delta R.T. -0.006 min

Lab File: BF142948.D

Acq: 01 Jul 2025 14:20

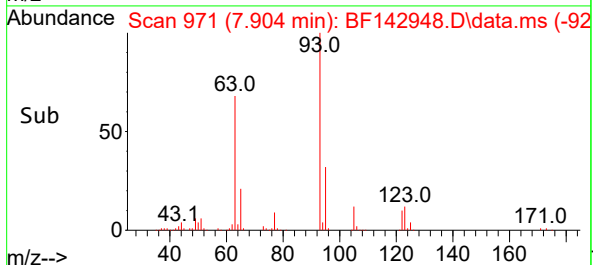
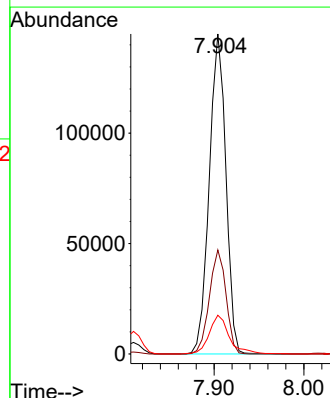
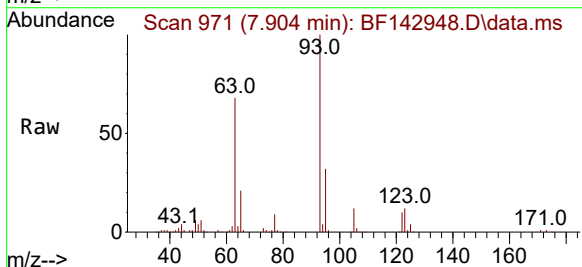
Tgt Ion: 93 Resp: 186525

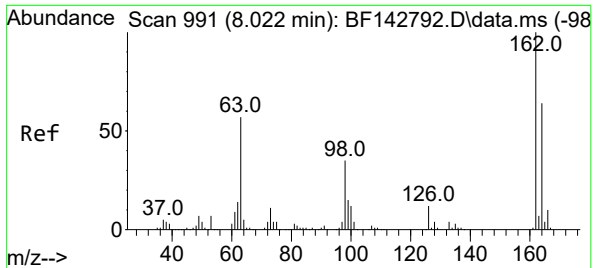
Ion Ratio Lower Upper

93 100

95 32.5 26.2 39.2

123 12.1 9.9 14.9





#29

2,4-Dichlorophenol

Concen: 44.142 ng

RT: 8.016 min Scan# 991

Delta R.T. -0.006 min

Lab File: BF142948.D

Acq: 01 Jul 2025 14:20

Instrument :

BNA_F

ClientSampleId :

PB168649BS

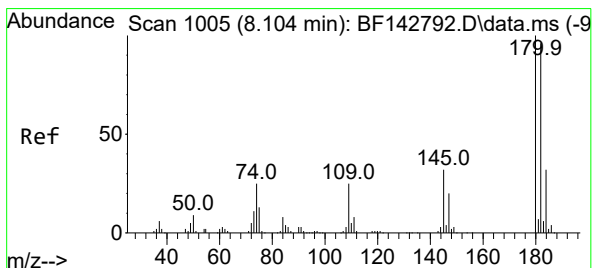
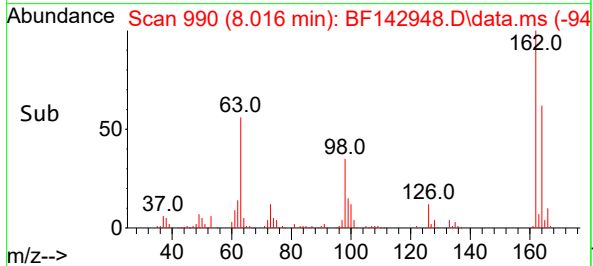
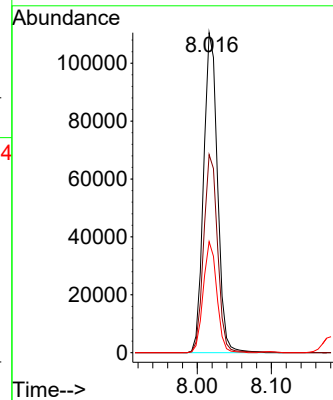
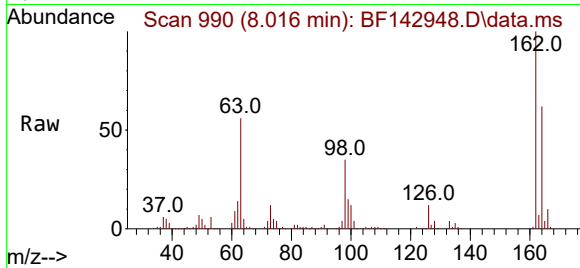
Tgt Ion:162 Resp: 144079

Ion Ratio Lower Upper

162 100

164 61.9 44.0 84.0

98 34.7 15.4 55.4



#30

1,2,4-Trichlorobenzene

Concen: 44.719 ng

RT: 8.098 min Scan# 1004

Delta R.T. -0.006 min

Lab File: BF142948.D

Acq: 01 Jul 2025 14:20

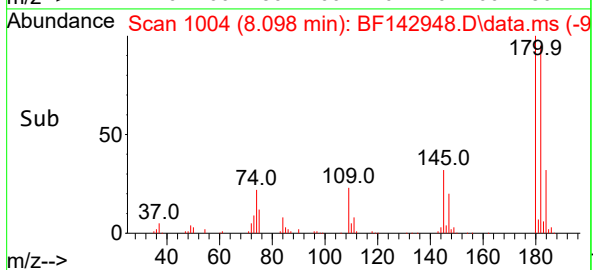
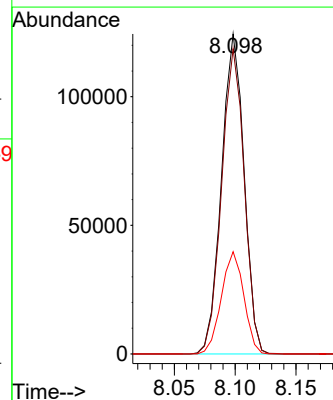
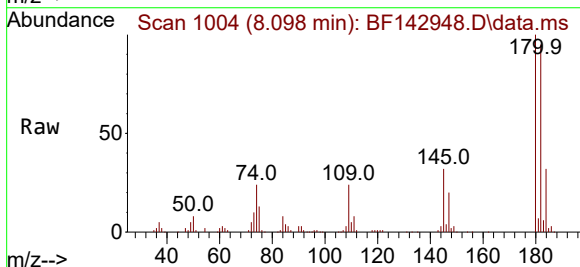
Tgt Ion:180 Resp: 160502

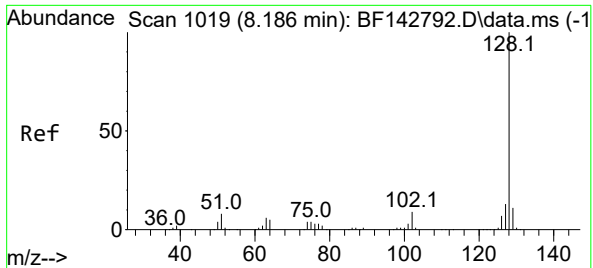
Ion Ratio Lower Upper

180 100

182 95.4 76.4 114.6

145 31.9 25.8 38.8





#31

Naphthalene

Concen: 44.033 ng

RT: 8.181 min Scan# 1019

Delta R.T. -0.006 min

Lab File: BF142948.D

Acq: 01 Jul 2025 14:20

Instrument :

BNA_F

ClientSampleId :

PB168649BS

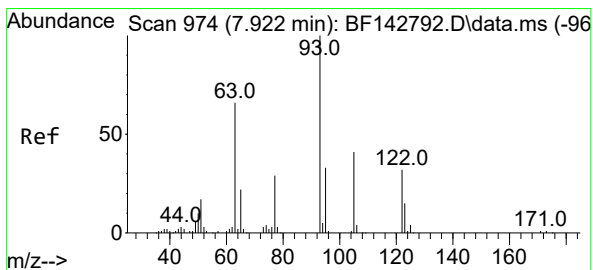
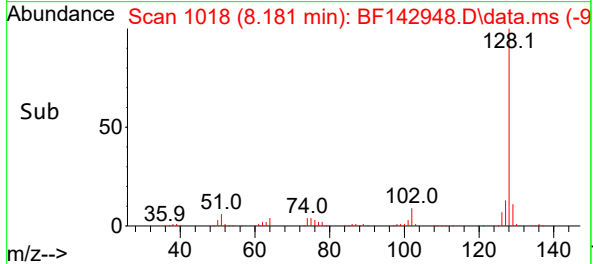
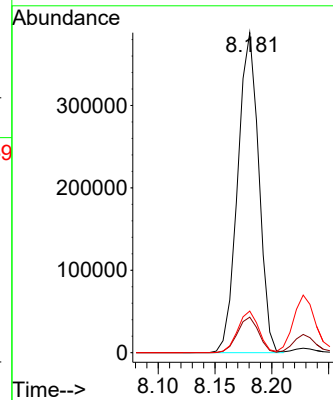
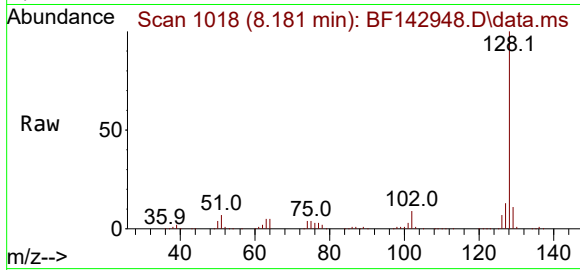
Tgt Ion:128 Resp: 498301

Ion Ratio Lower Upper

128 100

129 11.1 8.9 13.3

127 13.0 10.4 15.6



#32

Benzoic acid

Concen: 42.155 ng

RT: 7.928 min Scan# 975

Delta R.T. 0.006 min

Lab File: BF142948.D

Acq: 01 Jul 2025 14:20

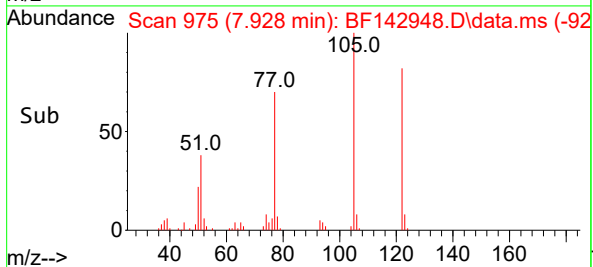
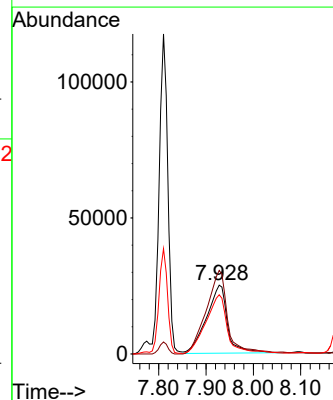
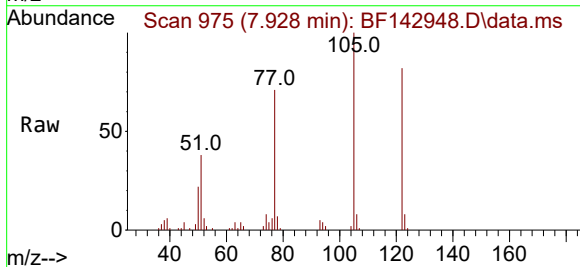
Tgt Ion:122 Resp: 77344

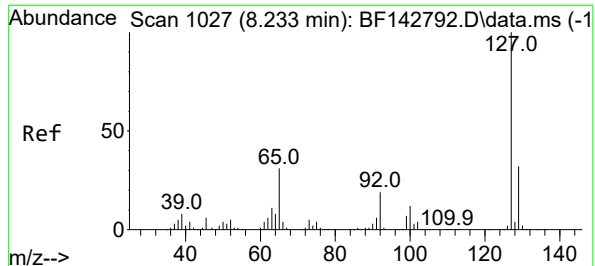
Ion Ratio Lower Upper

122 100

105 121.4 104.7 144.7

77 86.0 70.2 110.2





#33

4-Chloroaniline

Concen: 21.992 ng

RT: 8.228 min Scan# 1026

Delta R.T. -0.006 min

Lab File: BF142948.D

Acq: 01 Jul 2025 14:20

Instrument :

BNA_F

ClientSampleId :

PB168649BS

Tgt Ion:127 Resp: 101198

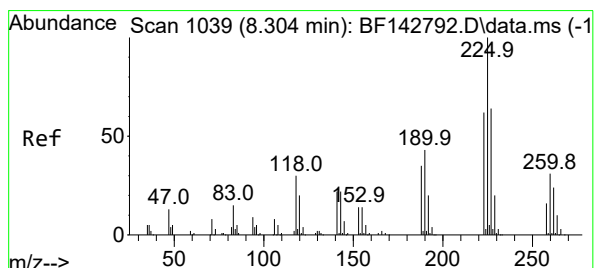
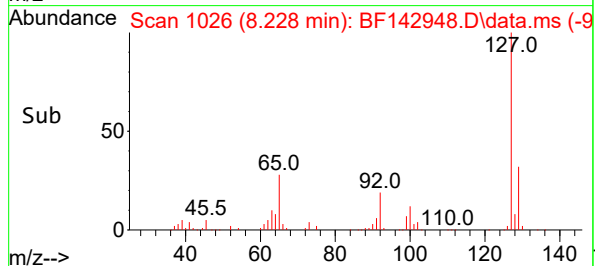
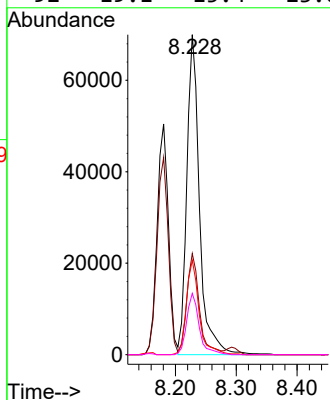
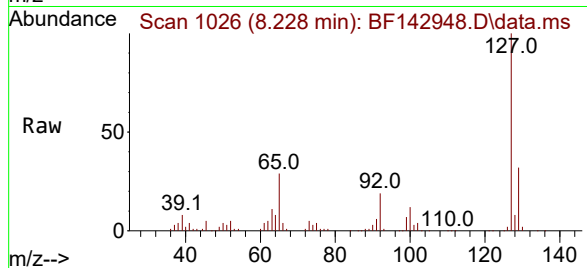
Ion Ratio Lower Upper

127 100

129 31.6 25.9 38.9

65 29.5 24.6 36.8

92 19.1 15.4 23.0



#34

Hexachlorobutadiene

Concen: 45.546 ng

RT: 8.292 min Scan# 1037

Delta R.T. -0.012 min

Lab File: BF142948.D

Acq: 01 Jul 2025 14:20

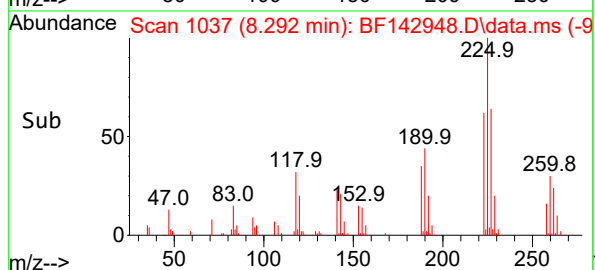
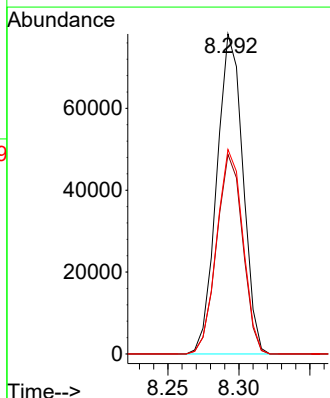
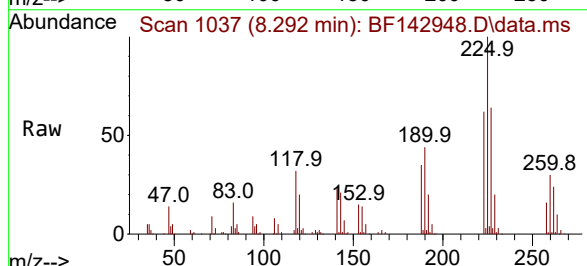
Tgt Ion:225 Resp: 99990

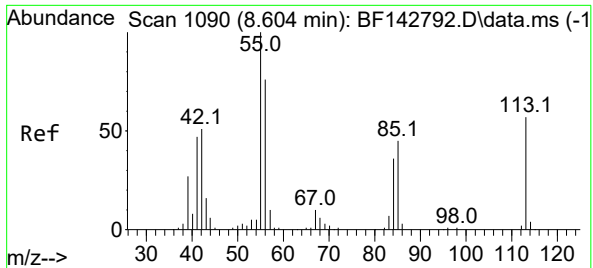
Ion Ratio Lower Upper

225 100

223 62.3 49.9 74.9

227 63.9 51.4 77.0

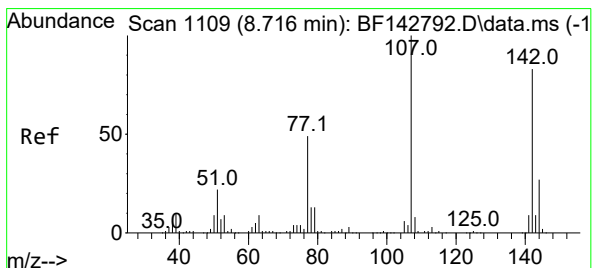
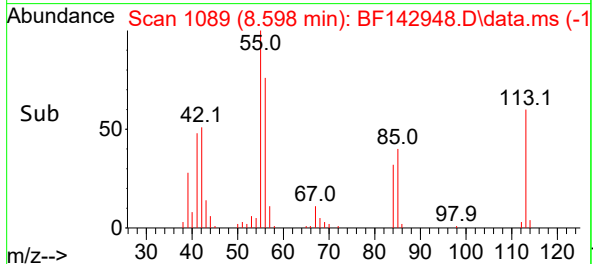
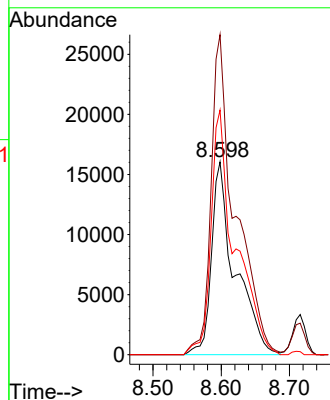
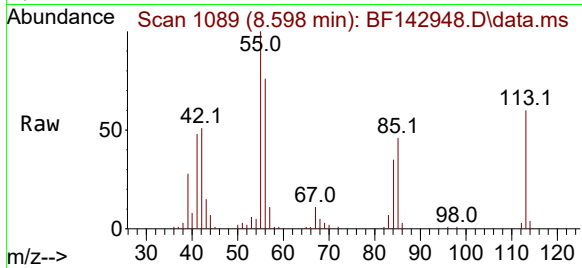




#35
 Caprolactam
 Concen: 44.864 ng
 RT: 8.598 min Scan# 1089
 Delta R.T. -0.006 min
 Lab File: BF142948.D
 Acq: 01 Jul 2025 14:20

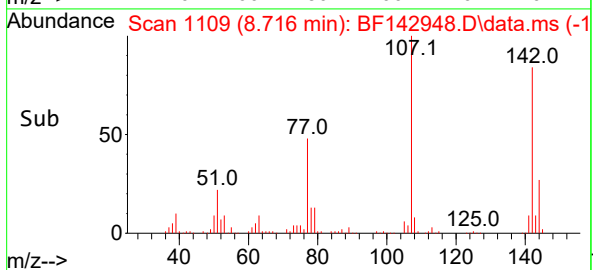
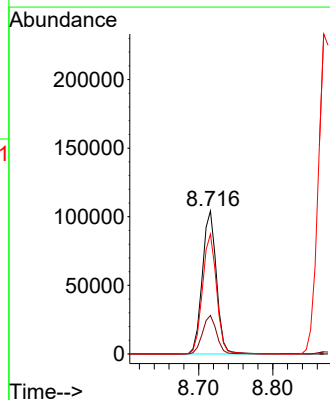
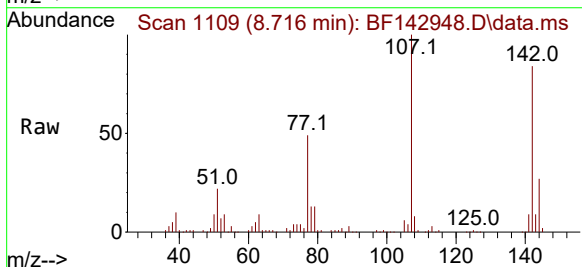
Instrument :
 BNA_F
 ClientSampleId :
 PB168649BS

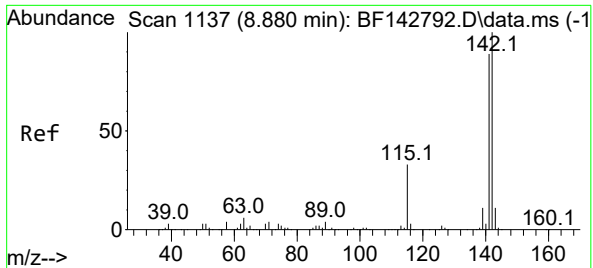
Tgt Ion:113 Resp: 38641
 Ion Ratio Lower Upper
 113 100
 55 165.9 154.4 194.4
 56 126.9 112.1 152.1



#36
 4-Chloro-3-methylphenol
 Concen: 42.668 ng
 RT: 8.716 min Scan# 1109
 Delta R.T. 0.000 min
 Lab File: BF142948.D
 Acq: 01 Jul 2025 14:20

Tgt Ion:107 Resp: 138409
 Ion Ratio Lower Upper
 107 100
 144 27.0 21.3 31.9
 142 83.8 66.6 100.0

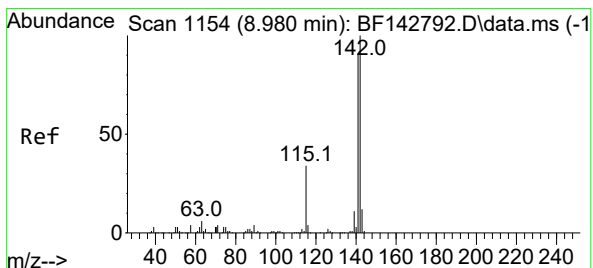
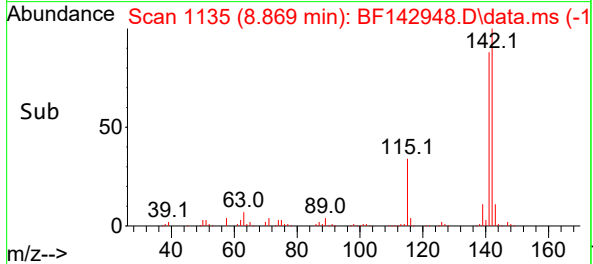
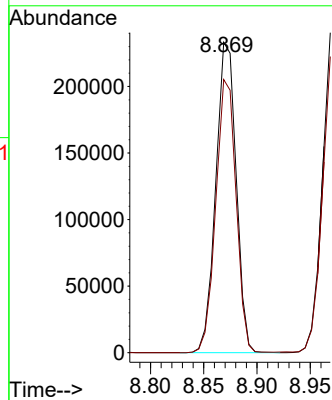
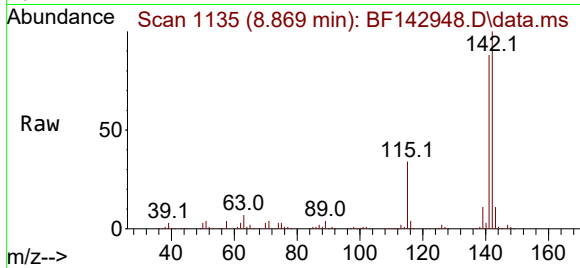




#37
2-Methylnaphthalene
Concen: 44.065 ng
RT: 8.869 min Scan# 1135
Delta R.T. -0.012 min
Lab File: BF142948.D
Acq: 01 Jul 2025 14:20

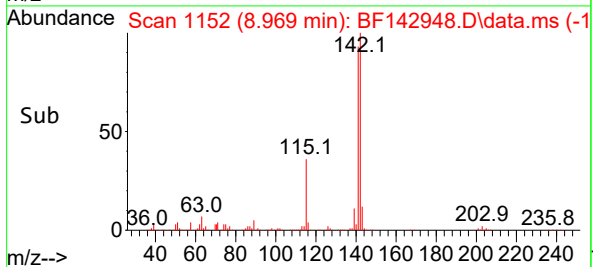
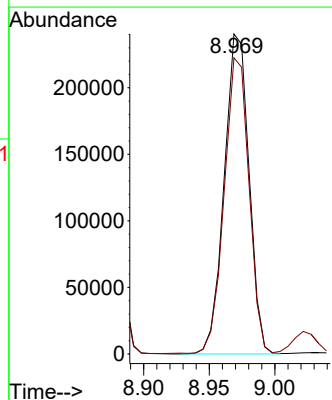
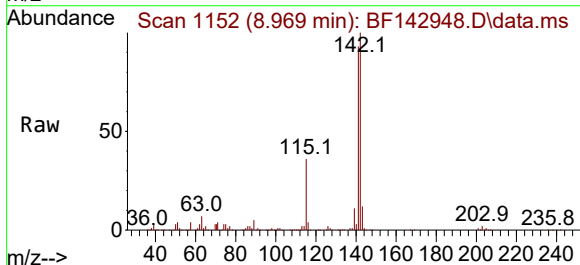
Instrument :
BNA_F
ClientSampleId :
PB168649BS

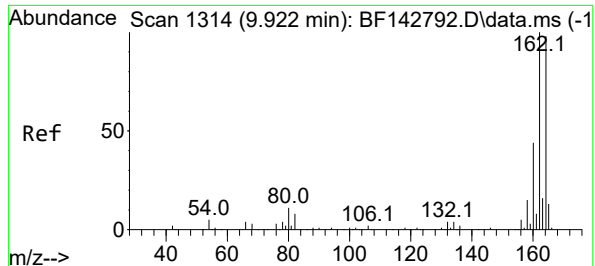
Tgt Ion:142 Resp: 309154
Ion Ratio Lower Upper
142 100
141 88.0 70.9 106.3



#38
1-Methylnaphthalene
Concen: 43.573 ng
RT: 8.969 min Scan# 1152
Delta R.T. -0.012 min
Lab File: BF142948.D
Acq: 01 Jul 2025 14:20

Tgt Ion:142 Resp: 316459
Ion Ratio Lower Upper
142 100
141 92.6 73.0 109.4





#39

Acenaphthene-d10

Concen: 20.000 ng

RT: 9.916 min Scan# 1163

Delta R.T. -0.006 min

Lab File: BF142948.D

Acq: 01 Jul 2025 14:20

Instrument :

BNA_F

ClientSampleId :

PB168649BS

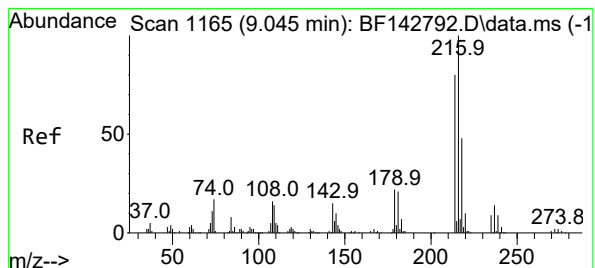
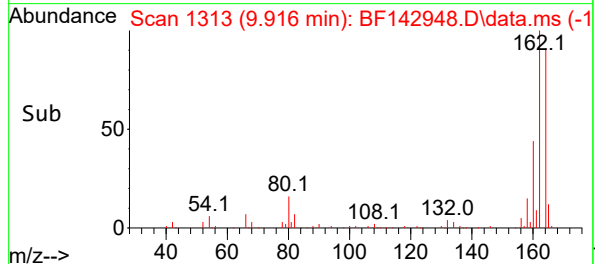
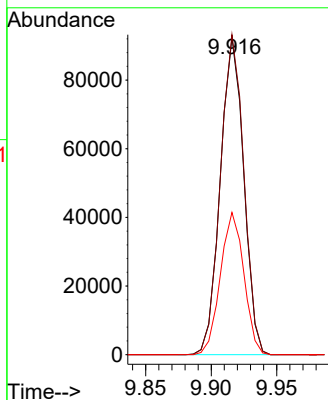
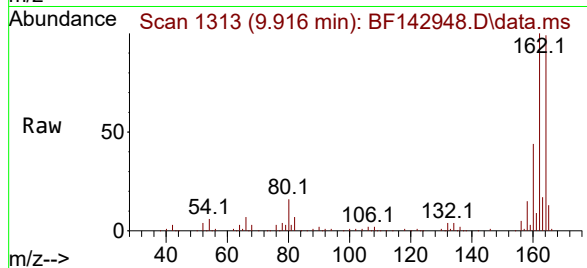
Tgt Ion:164 Resp: 114663

Ion Ratio Lower Upper

164 100

162 101.0 81.8 122.8

160 44.9 36.0 54.0



#40

1,2,4,5-Tetrachlorobenzene

Concen: 46.955 ng

RT: 9.039 min Scan# 1164

Delta R.T. -0.006 min

Lab File: BF142948.D

Acq: 01 Jul 2025 14:20

Tgt Ion:216 Resp: 158865

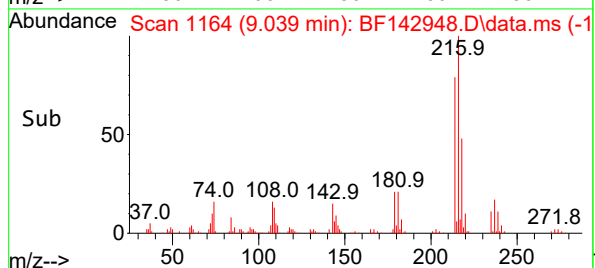
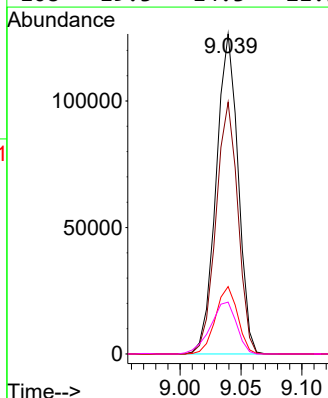
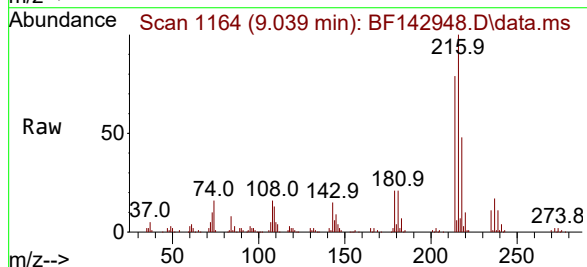
Ion Ratio Lower Upper

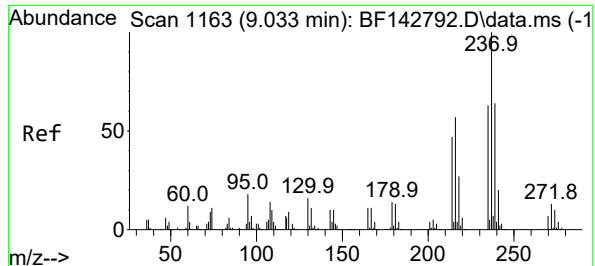
216 100

214 78.3 63.7 95.5

179 21.2 17.6 26.4

108 19.3 14.3 21.5





#41

Hexachlorocyclopentadiene

Concen: 92.959 ng

RT: 9.022 min Scan# 1161

Delta R.T. -0.012 min

Lab File: BF142948.D

Acq: 01 Jul 2025 14:20

Instrument :

BNA_F

ClientSampleId :

PB168649BS

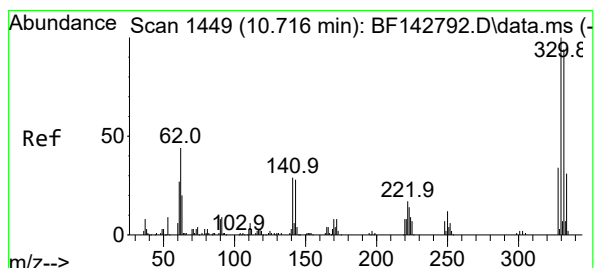
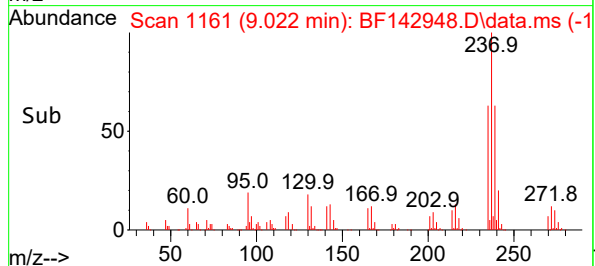
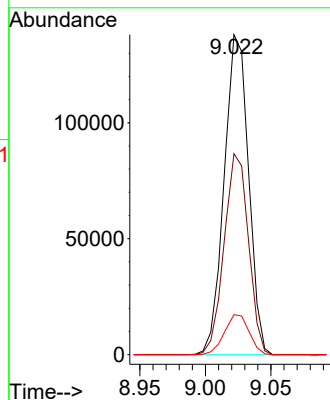
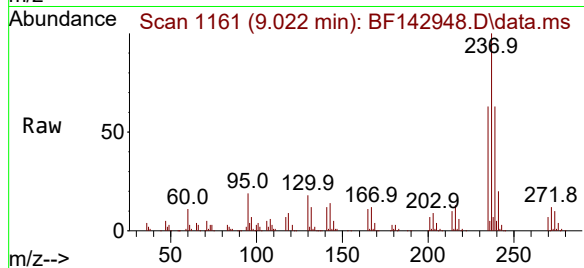
Tgt Ion:237 Resp: 178478

Ion Ratio Lower Upper

237 100

235 62.8 43.4 83.4

272 12.5 0.0 32.7



#42

2,4,6-Tribromophenol

Concen: 126.223 ng

RT: 10.710 min Scan# 1448

Delta R.T. -0.006 min

Lab File: BF142948.D

Acq: 01 Jul 2025 14:20

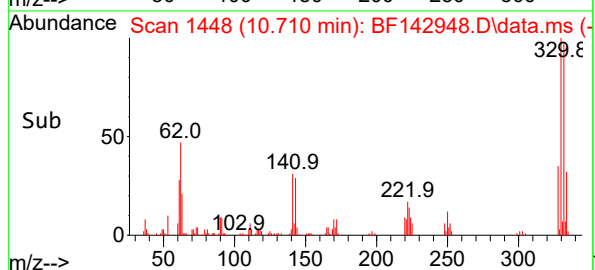
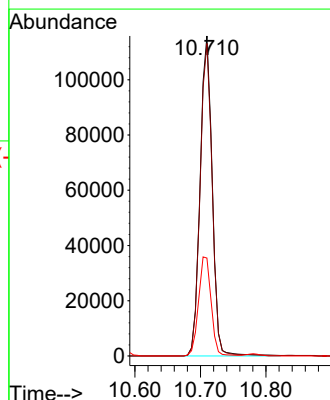
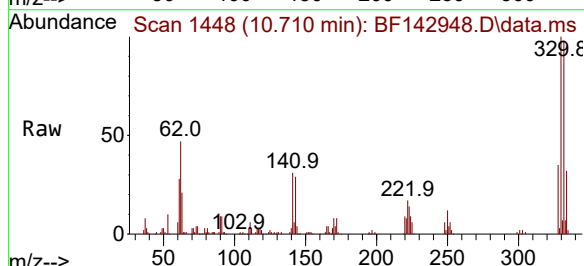
Tgt Ion:330 Resp: 148938

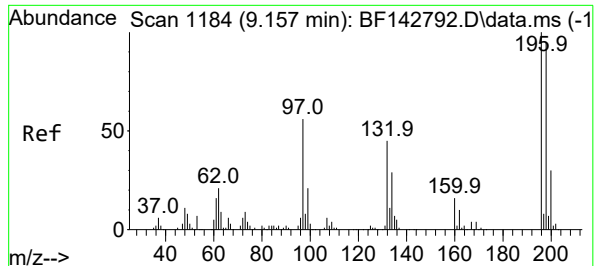
Ion Ratio Lower Upper

330 100

332 97.6 75.0 112.6

141 32.3 25.3 37.9





#43

2,4,6-Trichlorophenol

Concen: 44.150 ng

RT: 9.151 min Scan# 1183

Delta R.T. -0.006 min

Lab File: BF142948.D

Acq: 01 Jul 2025 14:20

Instrument :

BNA_F

ClientSampleId :

PB168649BS

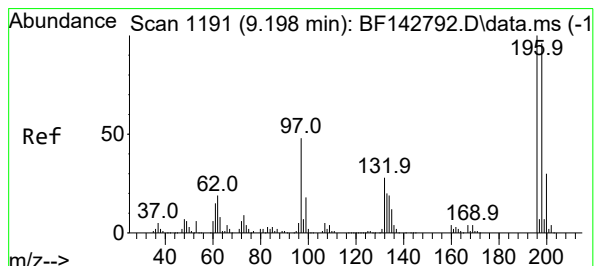
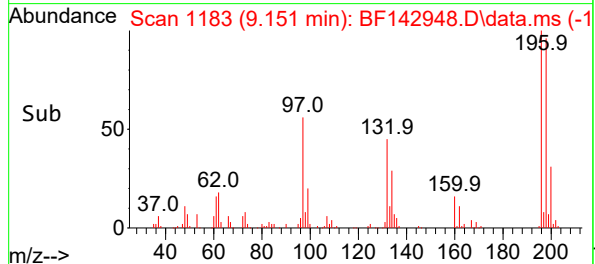
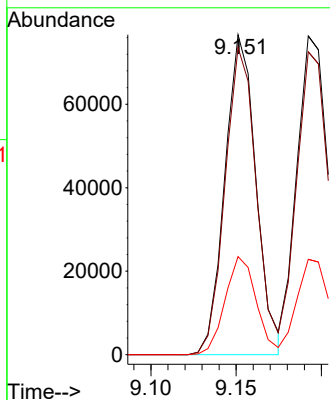
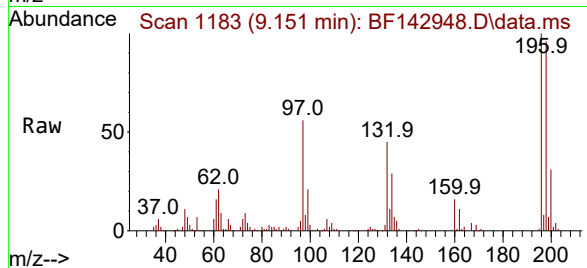
Tgt Ion:196 Resp: 97335

Ion Ratio Lower Upper

196 100

198 96.0 76.2 114.2

200 30.6 24.1 36.1



#44

2,4,5-Trichlorophenol

Concen: 43.948 ng

RT: 9.192 min Scan# 1190

Delta R.T. -0.006 min

Lab File: BF142948.D

Acq: 01 Jul 2025 14:20

Tgt Ion:196 Resp: 101994

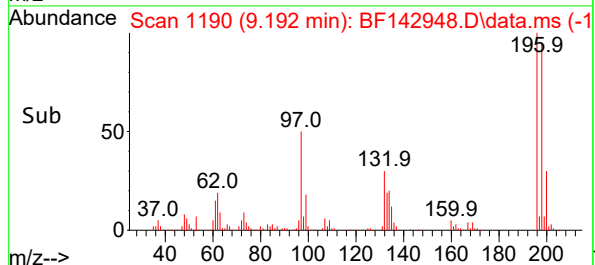
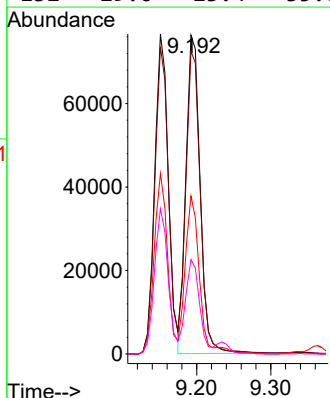
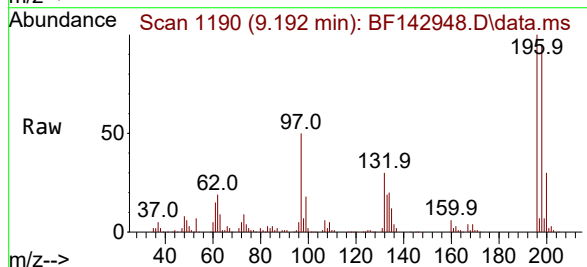
Ion Ratio Lower Upper

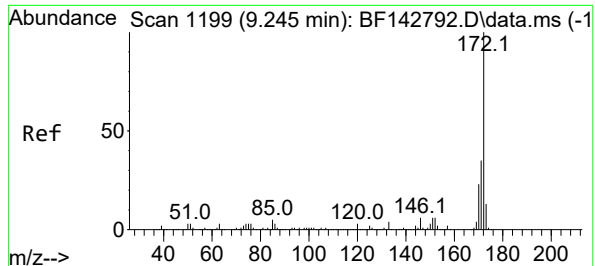
196 100

198 95.0 76.6 115.0

97 49.6 38.2 57.2

132 29.6 23.4 35.0





#45

2-Fluorobiphenyl

Concen: 84.040 ng

RT: 9.233 min Scan# 1199

Delta R.T. -0.012 min

Lab File: BF142948.D

Acq: 01 Jul 2025 14:20

Instrument :

BNA_F

ClientSampleId :

PB168649BS

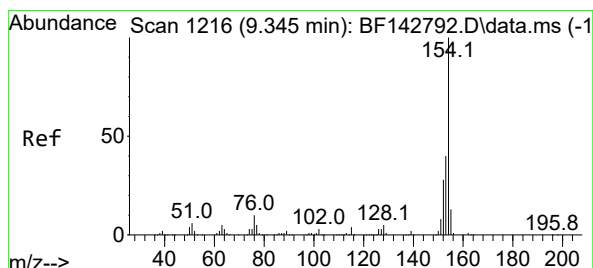
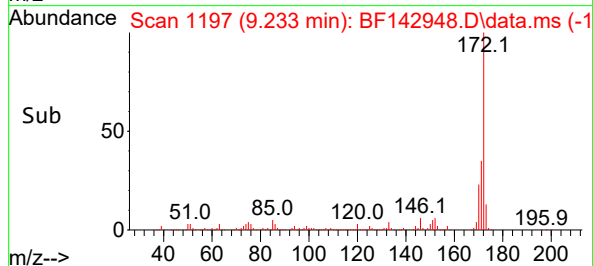
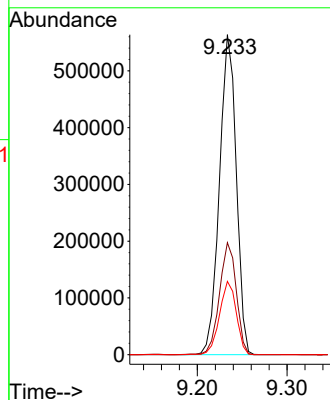
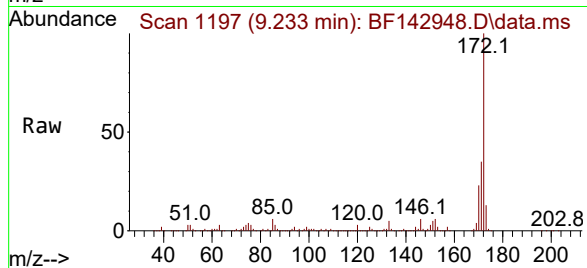
Tgt Ion:172 Resp: 733536

Ion Ratio Lower Upper

172 100

171 35.0 28.2 42.4

170 22.9 18.5 27.7



#46

1,1'-Biphenyl

Concen: 46.037 ng

RT: 9.339 min Scan# 1215

Delta R.T. -0.006 min

Lab File: BF142948.D

Acq: 01 Jul 2025 14:20

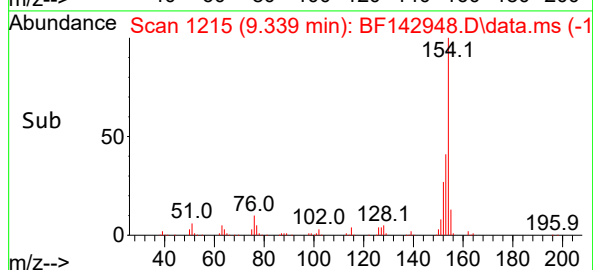
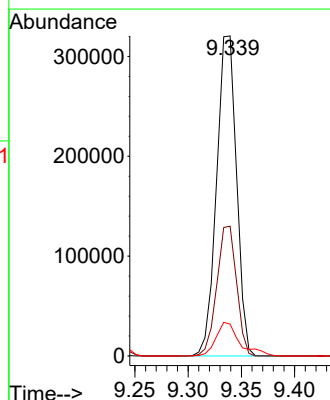
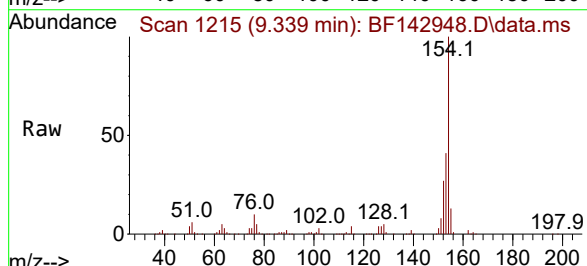
Tgt Ion:154 Resp: 416990

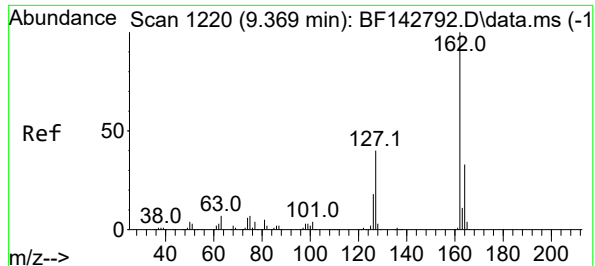
Ion Ratio Lower Upper

154 100

153 40.6 20.3 60.3

76 10.0 0.0 30.3





#47

2-Chloronaphthalene

Concen: 45.240 ng

RT: 9.363 min Scan# 1219

Delta R.T. -0.006 min

Lab File: BF142948.D

Acq: 01 Jul 2025 14:20

Instrument :

BNA_F

ClientSampleId :

PB168649BS

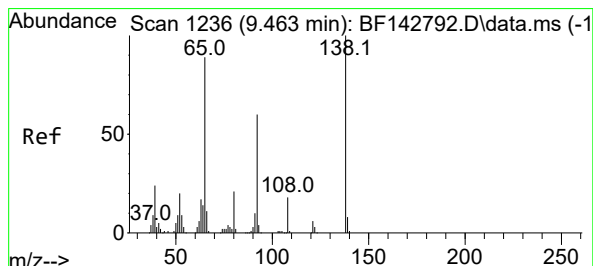
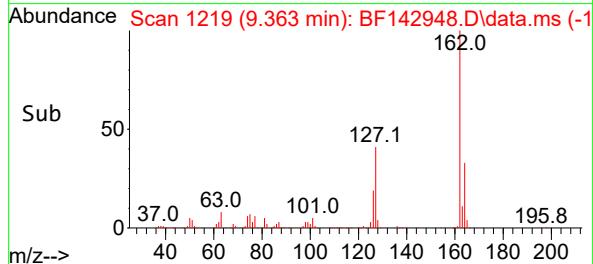
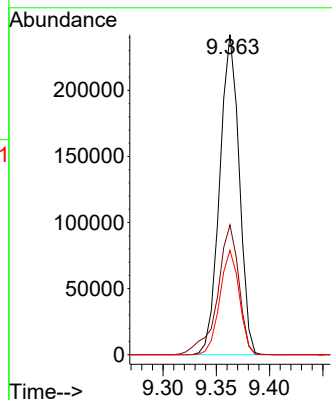
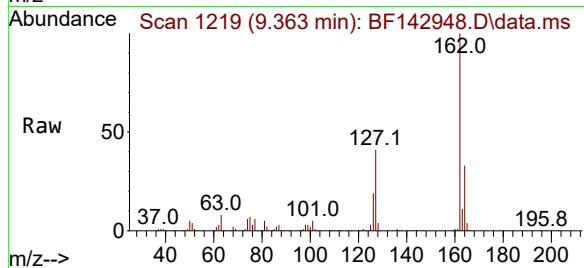
Tgt Ion:162 Resp: 307505

Ion Ratio Lower Upper

162 100

127 40.6 32.2 48.2

164 32.6 26.1 39.1



#48

2-Nitroaniline

Concen: 44.013 ng

RT: 9.457 min Scan# 1235

Delta R.T. -0.006 min

Lab File: BF142948.D

Acq: 01 Jul 2025 14:20

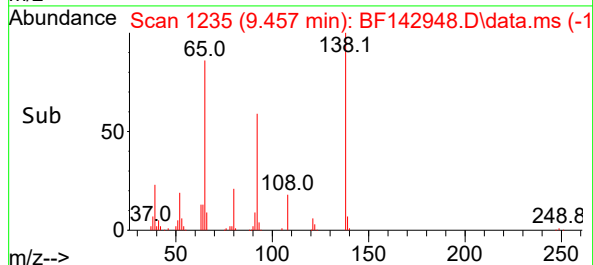
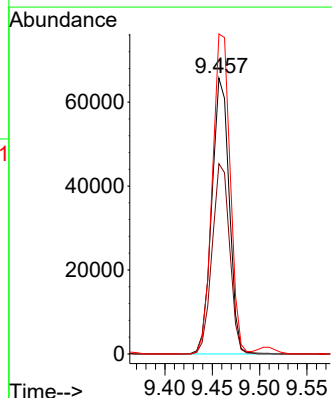
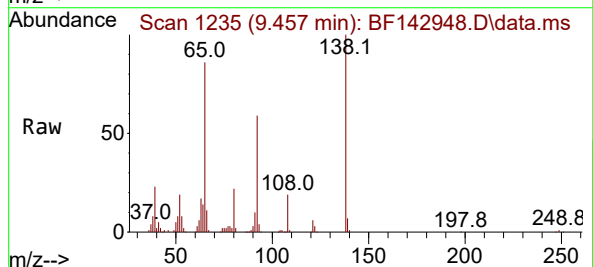
Tgt Ion: 65 Resp: 83872

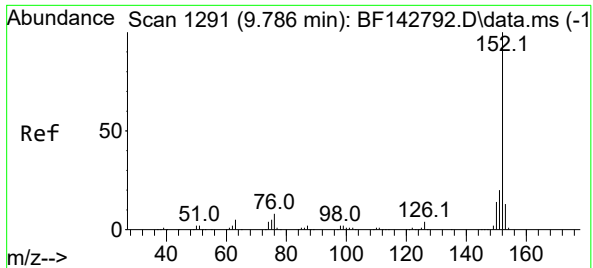
Ion Ratio Lower Upper

65 100

92 69.0 53.8 80.6

138 116.0 89.6 134.4





#49

Acenaphthylene

Concen: 44.327 ng

RT: 9.780 min Scan# 11

Delta R.T. -0.006 min

Lab File: BF142948.D

Acq: 01 Jul 2025 14:20

Instrument :

BNA_F

ClientSampleId :

PB168649BS

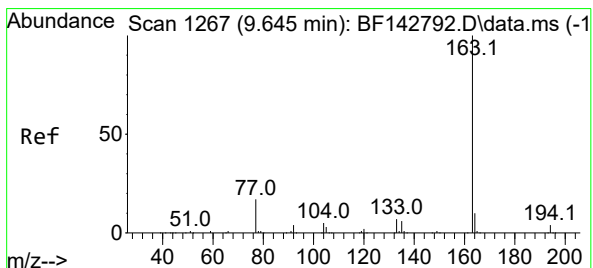
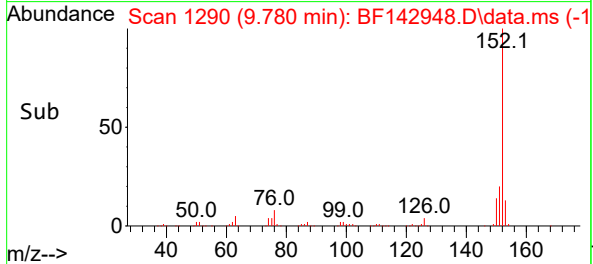
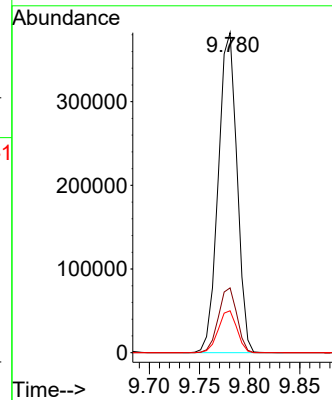
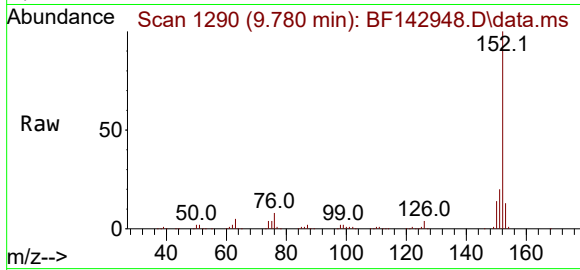
Tgt Ion:152 Resp: 495998

Ion Ratio Lower Upper

152 100

151 20.3 16.1 24.1

153 13.1 10.4 15.6



#50

Dimethylphthalate

Concen: 45.084 ng

RT: 9.633 min Scan# 1265

Delta R.T. -0.012 min

Lab File: BF142948.D

Acq: 01 Jul 2025 14:20

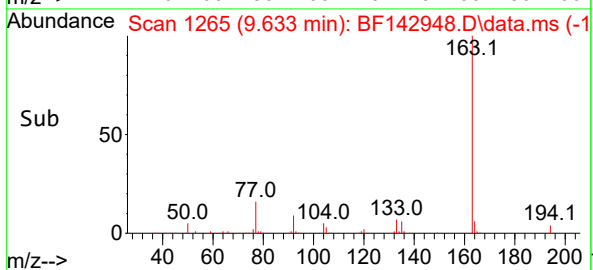
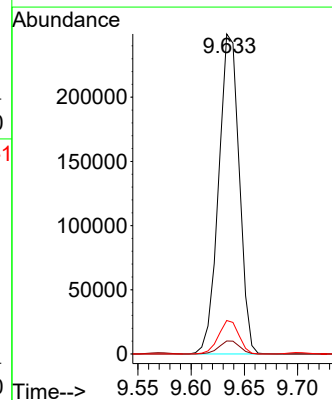
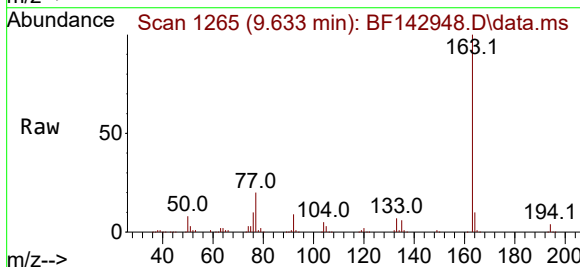
Tgt Ion:163 Resp: 334622

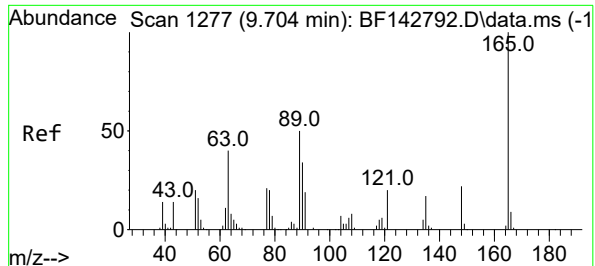
Ion Ratio Lower Upper

163 100

194 4.0 3.3 4.9

164 10.4 8.0 12.0





#51

2,6-Dinitrotoluene

Concen: 45.159 ng

RT: 9.698 min Scan# 11

Delta R.T. -0.006 min

Lab File: BF142948.D

Acq: 01 Jul 2025 14:20

Instrument :

BNA_F

ClientSampleId :

PB168649BS

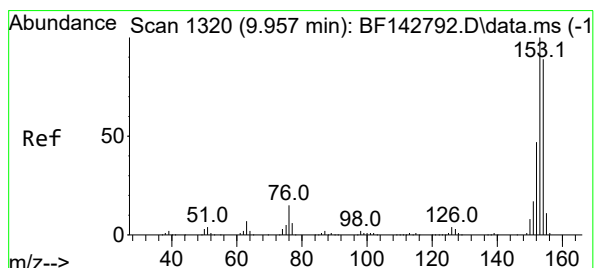
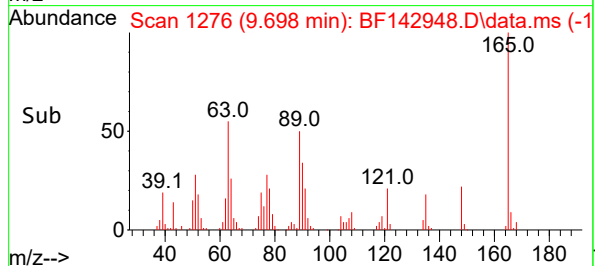
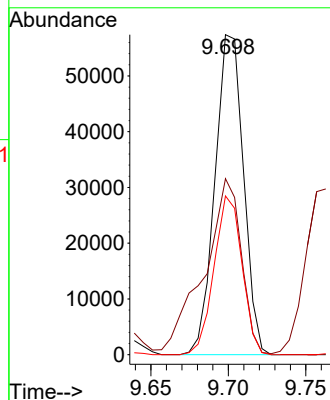
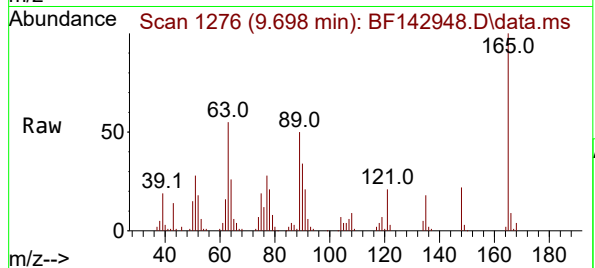
Tgt Ion:165 Resp: 73609

Ion Ratio Lower Upper

165 100

63 55.0 44.2 66.4

89 49.6 39.8 59.8



#52

Acenaphthene

Concen: 48.861 ng m

RT: 9.951 min Scan# 1319

Delta R.T. -0.006 min

Lab File: BF142948.D

Acq: 01 Jul 2025 14:20

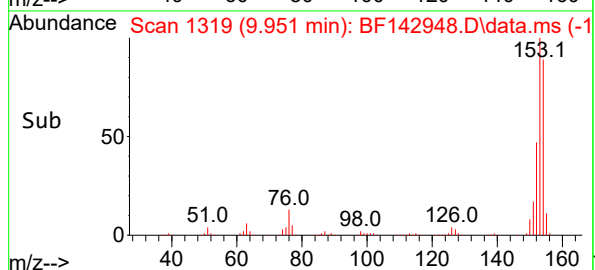
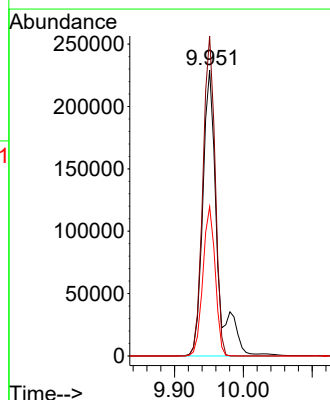
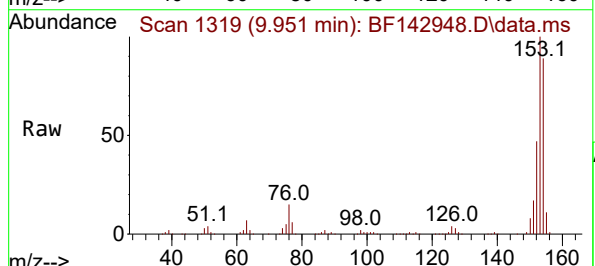
Tgt Ion:154 Resp: 333580

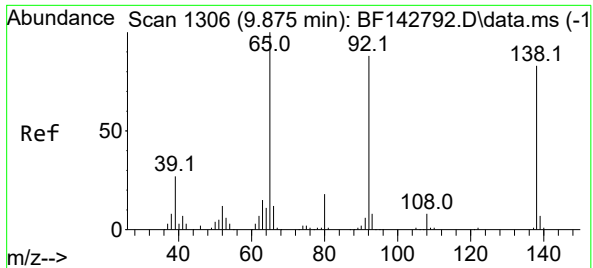
Ion Ratio Lower Upper

154 100

153 111.9 90.0 135.0

152 52.2 41.9 62.9

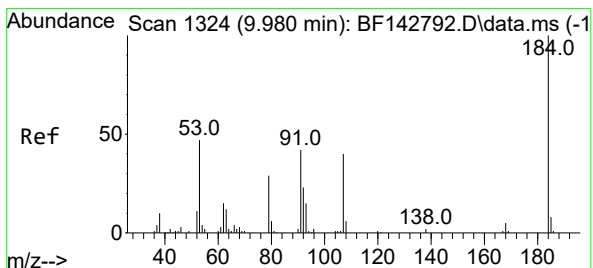
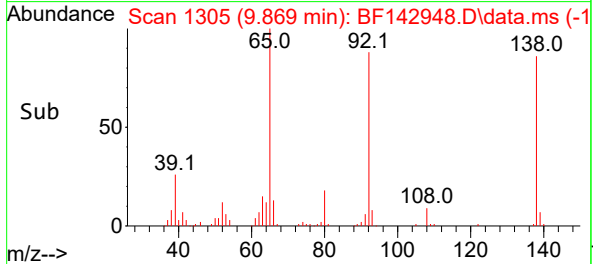
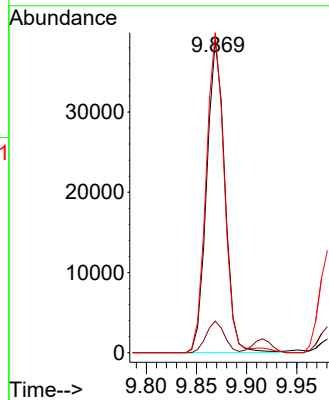
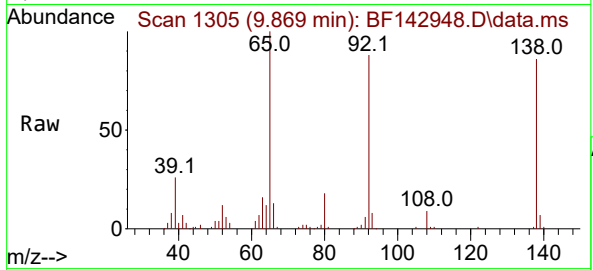




#53
3-Nitroaniline
Concen: 27.301 ng
RT: 9.869 min Scan# 11
Delta R.T. -0.006 min
Lab File: BF142948.D
Acq: 01 Jul 2025 14:20

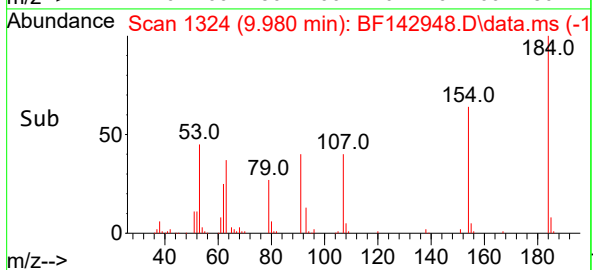
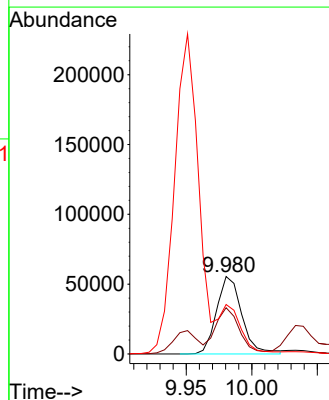
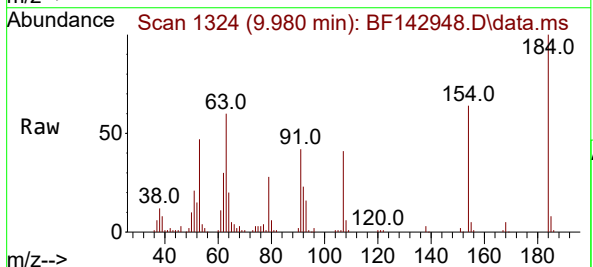
Instrument :
BNA_F
ClientSampleId :
PB168649BS

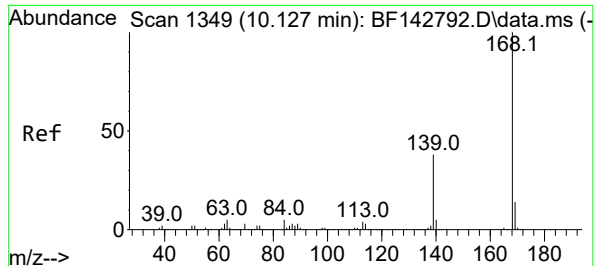
Tgt Ion:138 Resp: 48995
Ion Ratio Lower Upper
138 100
108 10.1 8.1 12.1
92 102.5 85.1 127.7



#54
2,4-Dinitrophenol
Concen: 90.963 ng
RT: 9.980 min Scan# 1324
Delta R.T. 0.000 min
Lab File: BF142948.D
Acq: 01 Jul 2025 14:20

Tgt Ion:184 Resp: 74241
Ion Ratio Lower Upper
184 100
63 59.7 50.6 75.8
154 64.0 51.8 77.8





#55

Dibenzofuran

Concen: 44.830 ng

RT: 10.122 min Scan# 1349

Delta R.T. -0.006 min

Lab File: BF142948.D

Acq: 01 Jul 2025 14:20

Instrument :

BNA_F

ClientSampleId :

PB168649BS

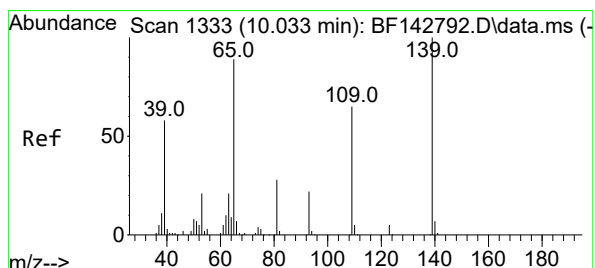
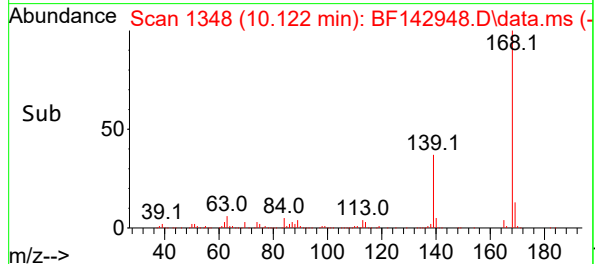
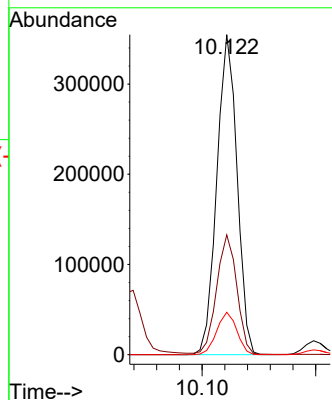
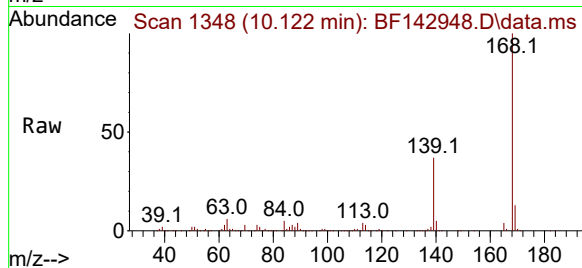
Tgt Ion:168 Resp: 438874

Ion Ratio Lower Upper

168 100

139 37.5 30.2 45.4

169 13.2 10.8 16.2



#56

4-Nitrophenol

Concen: 82.653 ng

RT: 10.039 min Scan# 1334

Delta R.T. 0.006 min

Lab File: BF142948.D

Acq: 01 Jul 2025 14:20

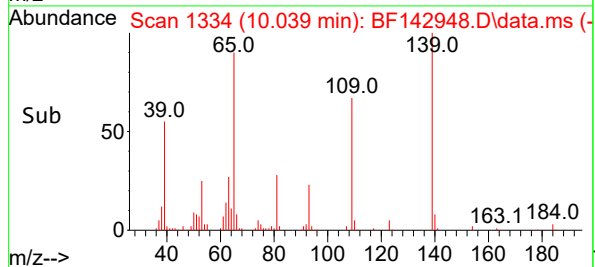
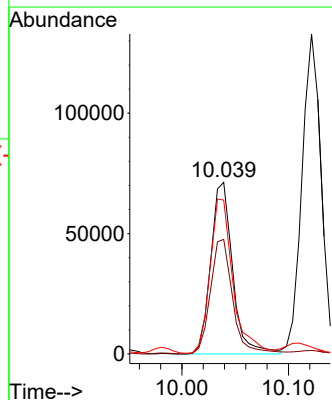
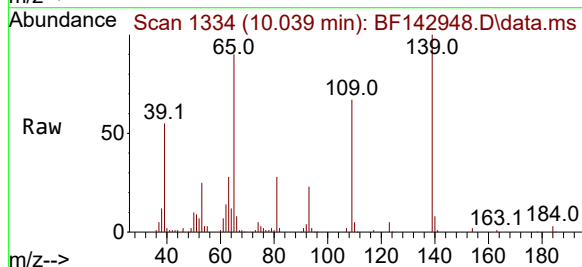
Tgt Ion:139 Resp: 101548

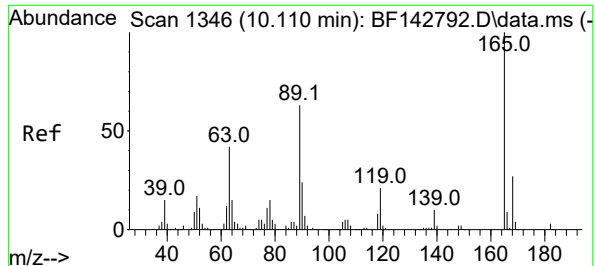
Ion Ratio Lower Upper

139 100

109 66.7 44.7 84.7

65 89.6 69.8 109.8





#57

2,4-Dinitrotoluene

Concen: 45.499 ng

RT: 10.104 min Scan# 11

Delta R.T. -0.006 min

Lab File: BF142948.D

Acq: 01 Jul 2025 14:20

Instrument :

BNA_F

ClientSampleId :

PB168649BS

Tgt Ion:165 Resp: 98510

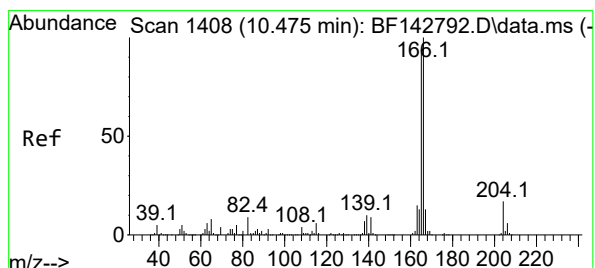
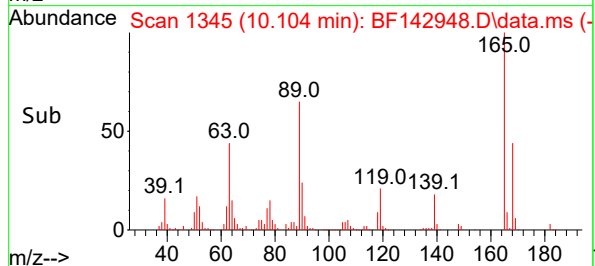
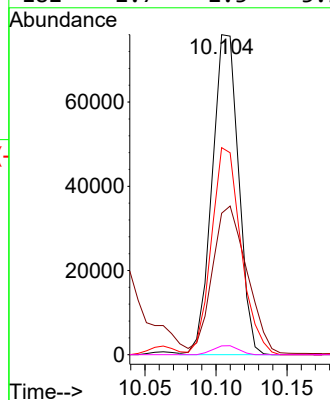
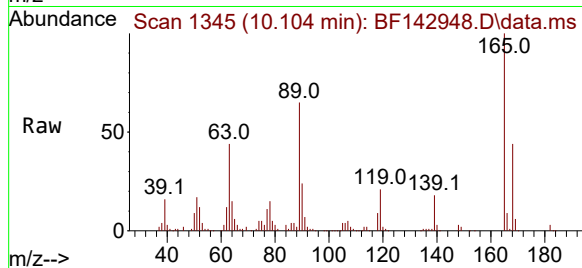
Ion Ratio Lower Upper

165 100

63 44.2 33.9 50.9

89 64.7 50.6 75.8

182 2.7 2.3 3.5



#58

Fluorene

Concen: 43.936 ng

RT: 10.469 min Scan# 1407

Delta R.T. -0.006 min

Lab File: BF142948.D

Acq: 01 Jul 2025 14:20

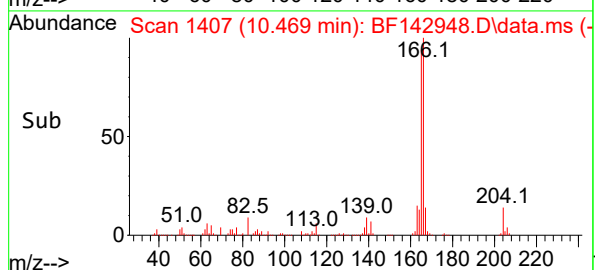
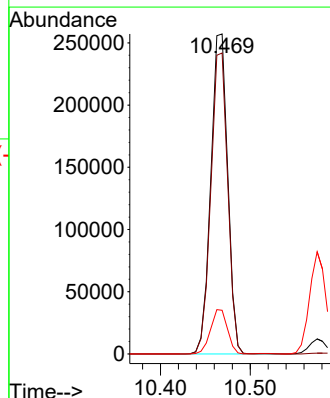
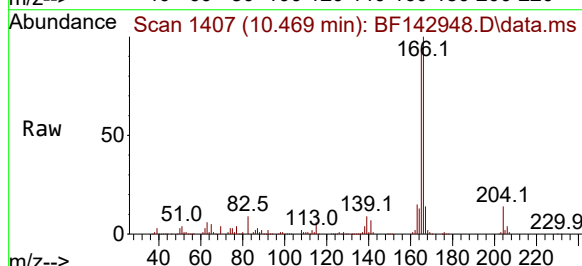
Tgt Ion:166 Resp: 335922

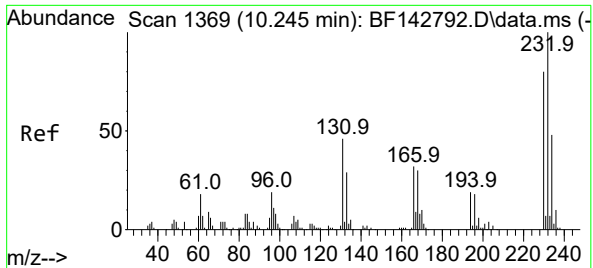
Ion Ratio Lower Upper

166 100

165 94.0 75.2 112.8

167 13.7 10.6 15.8

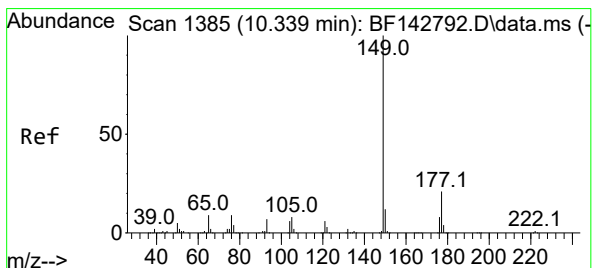
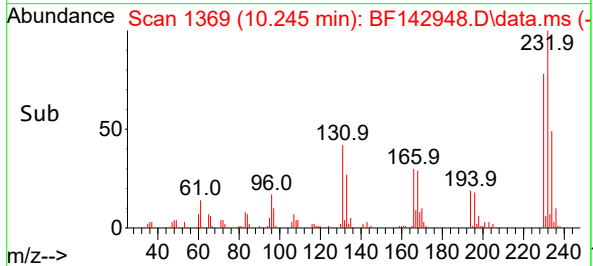
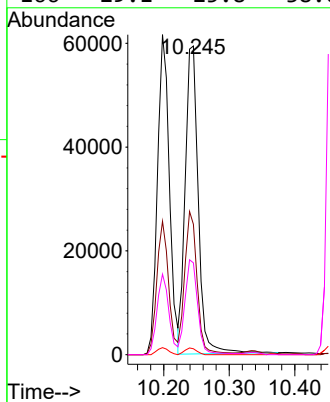
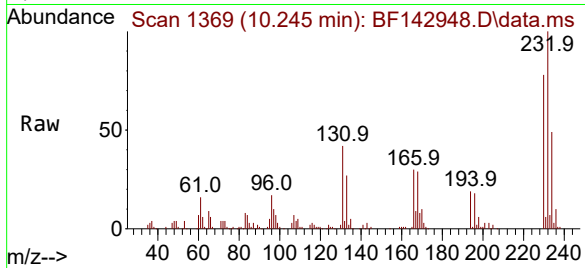




#59
2,3,4,6-Tetrachlorophenol
Concen: 43.674 ng
RT: 10.245 min Scan# 1369
Delta R.T. 0.000 min
Lab File: BF142948.D
Acq: 01 Jul 2025 14:20

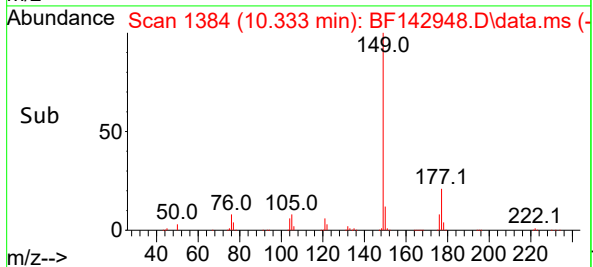
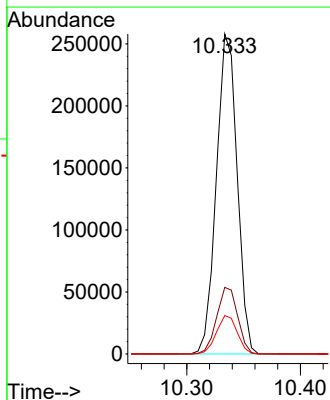
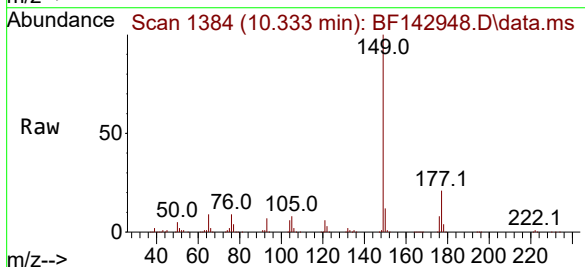
Instrument :
BNA_F
ClientSampleId :
PB168649BS

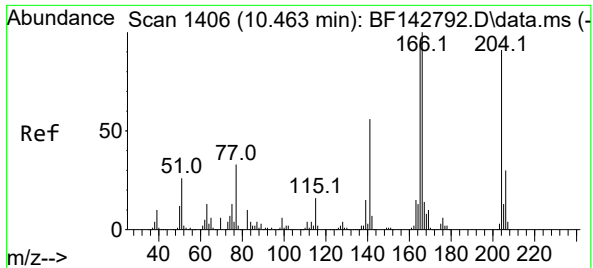
Tgt Ion:232 Resp: 81701
Ion Ratio Lower Upper
232 100
131 44.0 37.6 56.4
130 2.0 1.7 2.5
166 29.1 25.8 38.6



#60
Diethylphthalate
Concen: 45.085 ng
RT: 10.333 min Scan# 1384
Delta R.T. -0.006 min
Lab File: BF142948.D
Acq: 01 Jul 2025 14:20

Tgt Ion:149 Resp: 328095
Ion Ratio Lower Upper
149 100
177 20.8 17.0 25.6
150 12.0 9.8 14.6

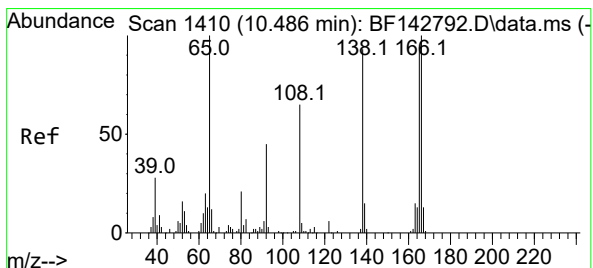
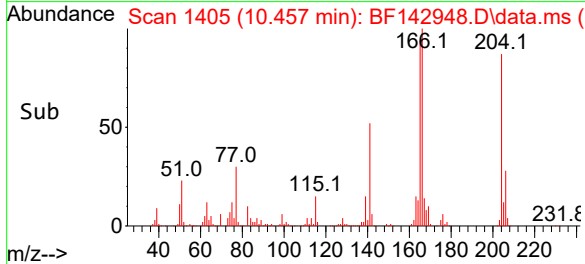
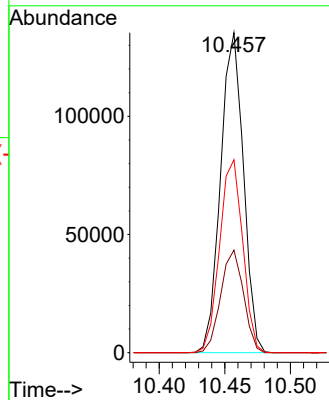
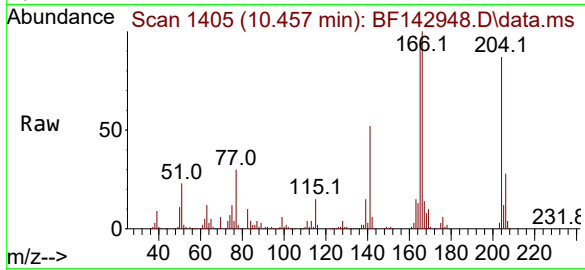




#61
4-Chlorophenyl-phenylether
Concen: 44.935 ng
RT: 10.457 min Scan# 1405
Delta R.T. -0.006 min
Lab File: BF142948.D
Acq: 01 Jul 2025 14:20

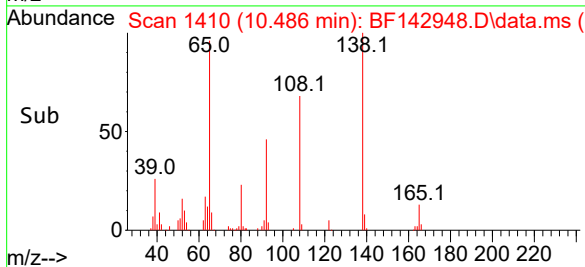
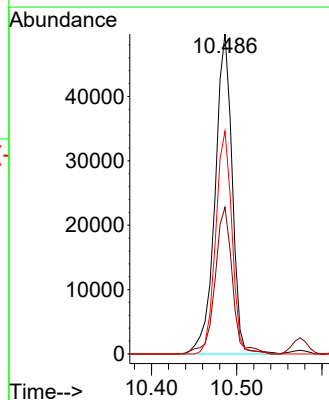
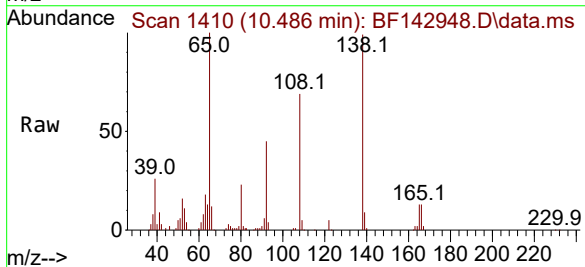
Instrument :
BNA_F
ClientSampleId :
PB168649BS

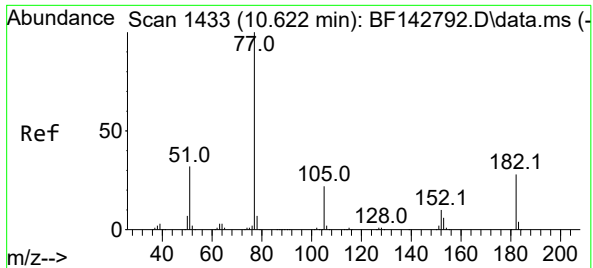
Tgt Ion:204 Resp: 163942
Ion Ratio Lower Upper
204 100
206 32.1 26.3 39.5
141 60.3 49.1 73.7



#62
4-Nitroaniline
Concen: 42.233 ng
RT: 10.486 min Scan# 1410
Delta R.T. 0.000 min
Lab File: BF142948.D
Acq: 01 Jul 2025 14:20

Tgt Ion:138 Resp: 69318
Ion Ratio Lower Upper
138 100
92 45.8 28.4 68.4
108 69.6 50.2 90.2

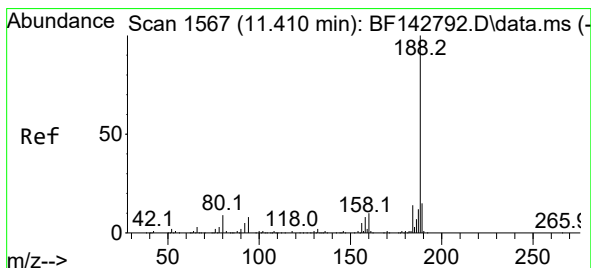
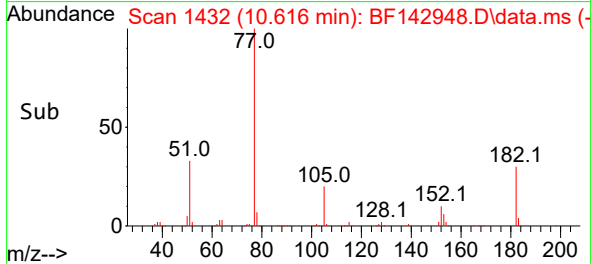
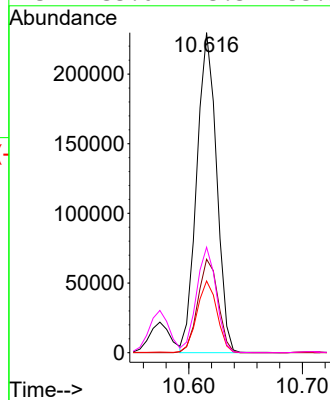
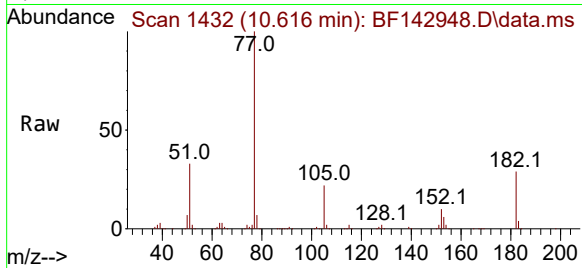




#63
Azobenzene
Concen: 42.920 ng
RT: 10.616 min Scan# 1432
Delta R.T. -0.006 min
Lab File: BF142948.D
Acq: 01 Jul 2025 14:20

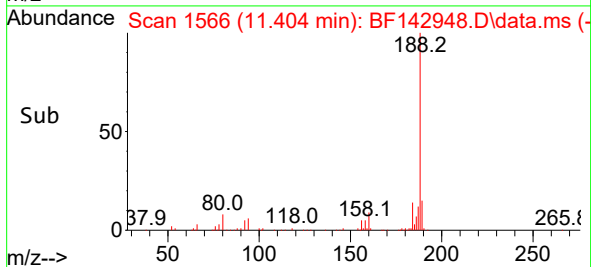
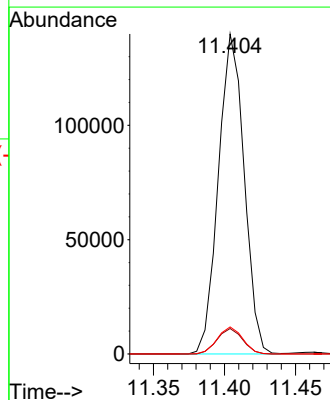
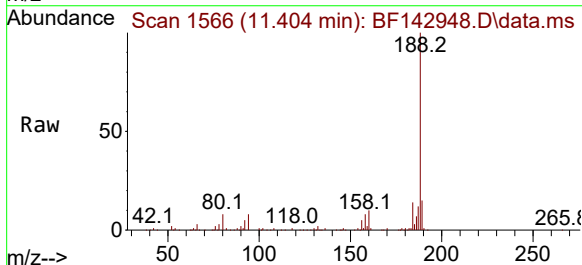
Instrument :
BNA_F
ClientSampleId :
PB168649BS

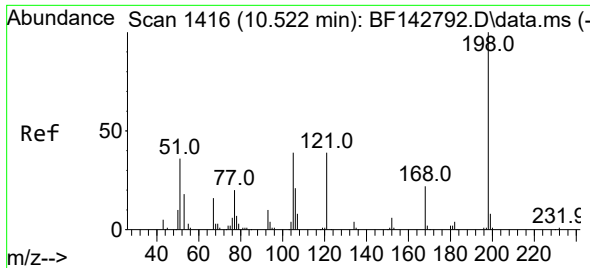
Tgt Ion: 77 Resp: 279159
Ion Ratio Lower Upper
77 100
182 29.2 7.7 47.7
105 22.4 1.9 41.9
51 33.0 13.3 53.3



#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.404 min Scan# 1566
Delta R.T. -0.006 min
Lab File: BF142948.D
Acq: 01 Jul 2025 14:20

Tgt Ion: 188 Resp: 176464
Ion Ratio Lower Upper
188 100
94 8.0 6.7 10.1
80 8.4 6.9 10.3

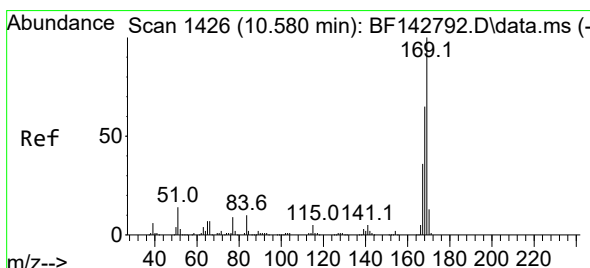
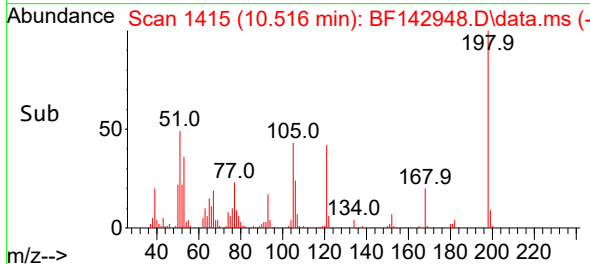
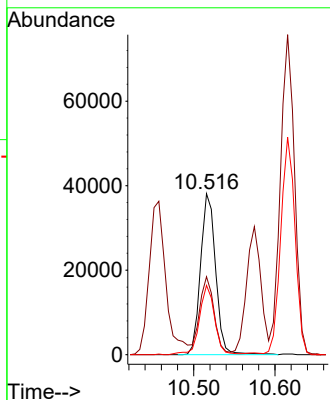
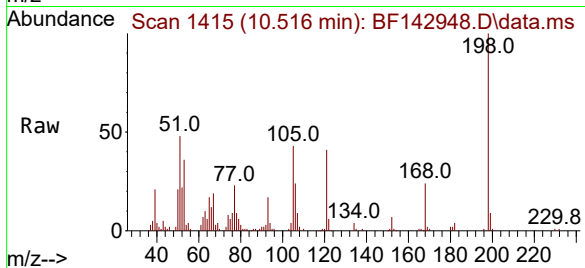




#65
4,6-Dinitro-2-methylphenol
Concen: 46.069 ng
RT: 10.516 min Scan# 1416
Delta R.T. -0.006 min
Lab File: BF142948.D
Acq: 01 Jul 2025 14:20

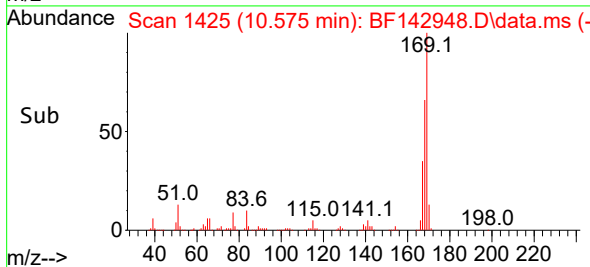
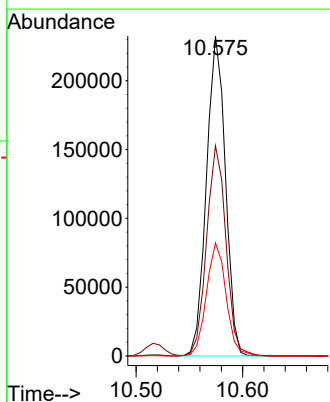
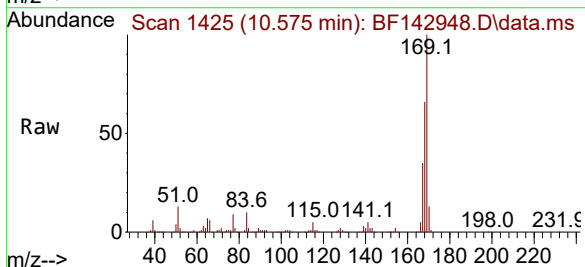
Instrument :
BNA_F
ClientSampleId :
PB168649BS

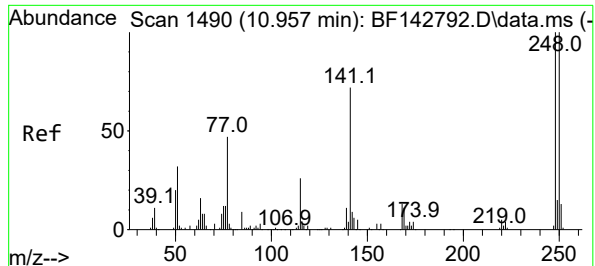
Tgt Ion:198 Resp: 49173
Ion Ratio Lower Upper
198 100
51 48.4 25.4 65.4
105 43.0 20.4 60.4



#66
n-Nitrosodiphenylamine
Concen: 47.139 ng
RT: 10.575 min Scan# 1425
Delta R.T. -0.006 min
Lab File: BF142948.D
Acq: 01 Jul 2025 14:20

Tgt Ion:169 Resp: 288291
Ion Ratio Lower Upper
169 100
168 65.7 51.9 77.9
167 35.3 28.5 42.7

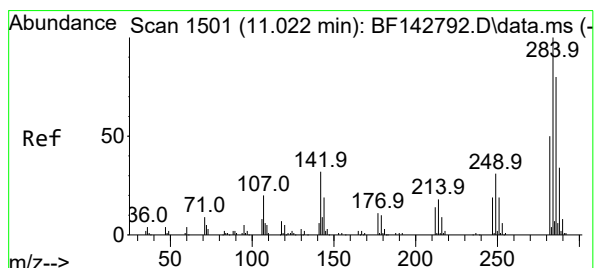
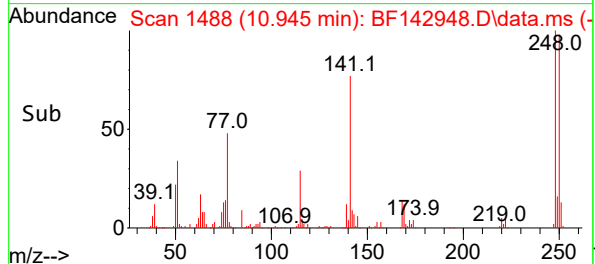
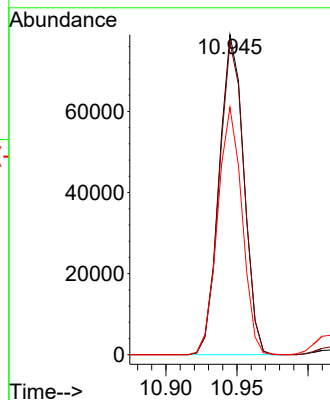
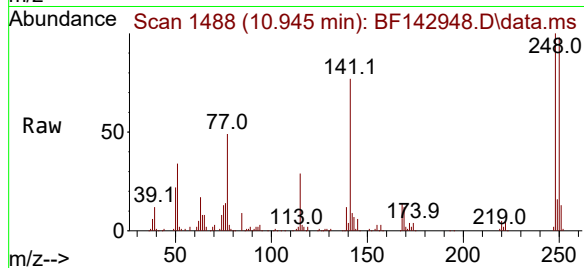




#67
4-Bromophenyl-phenylether
Concen: 47.521 ng
RT: 10.945 min Scan# 1490
Delta R.T. -0.012 min
Lab File: BF142948.D
Acq: 01 Jul 2025 14:20

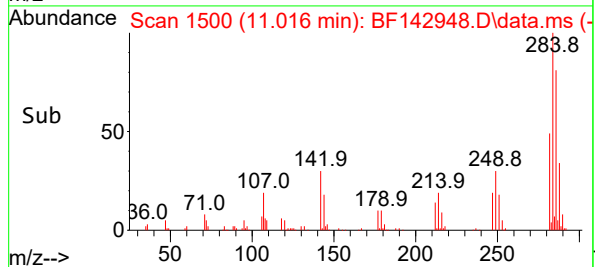
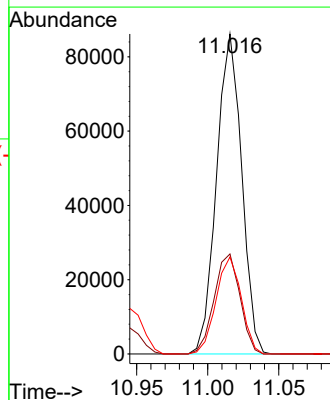
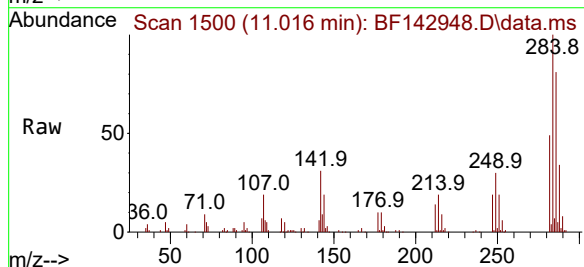
Instrument :
BNA_F
ClientSampleId :
PB168649BS

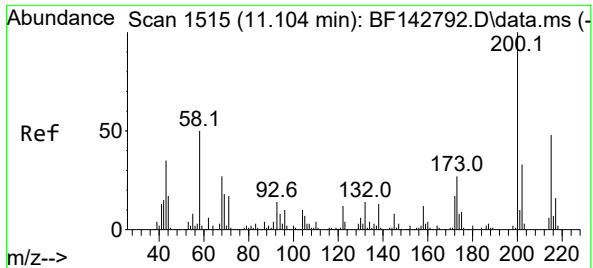
Tgt Ion:248 Resp: 95437
Ion Ratio Lower Upper
248 100
250 97.7 79.8 119.8
141 77.3 57.8 86.6



#68
Hexachlorobenzene
Concen: 47.448 ng
RT: 11.016 min Scan# 1500
Delta R.T. -0.006 min
Lab File: BF142948.D
Acq: 01 Jul 2025 14:20

Tgt Ion:284 Resp: 105884
Ion Ratio Lower Upper
284 100
142 31.3 25.5 38.3
249 30.3 24.9 37.3





#69

Atrazine

Concen: 50.983 ng

RT: 11.098 min Scan# 1

Delta R.T. -0.006 min

Lab File: BF142948.D

Acq: 01 Jul 2025 14:20

Instrument :

BNA_F

ClientSampleId :

PB168649BS

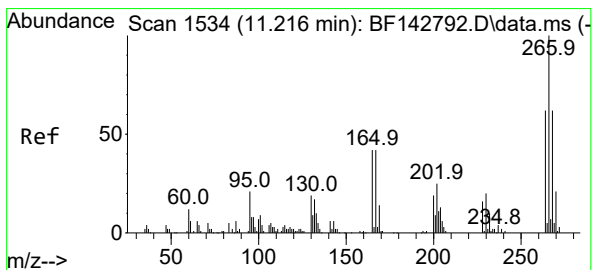
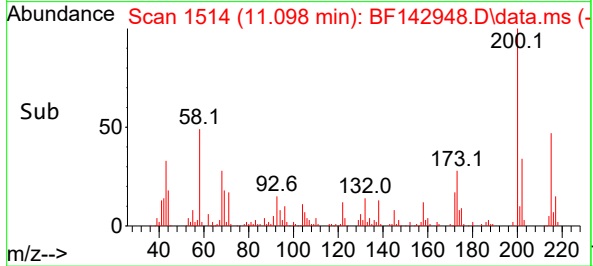
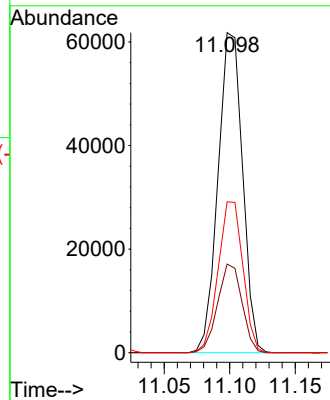
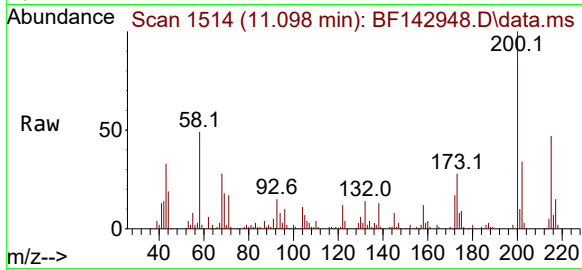
Tgt Ion:200 Resp: 80518

Ion Ratio Lower Upper

200 100

173 27.7 7.4 47.4

215 47.2 28.4 68.4



#70

Pentachlorophenol

Concen: 87.779 ng

RT: 11.210 min Scan# 1533

Delta R.T. -0.006 min

Lab File: BF142948.D

Acq: 01 Jul 2025 14:20

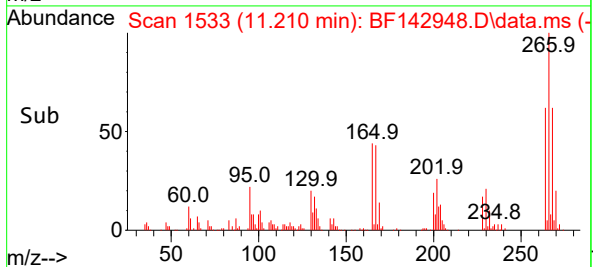
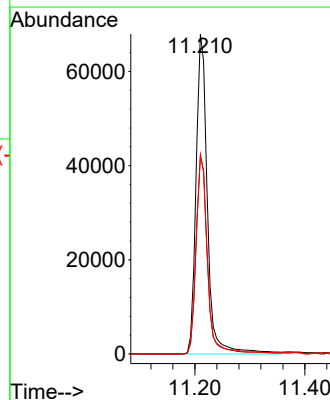
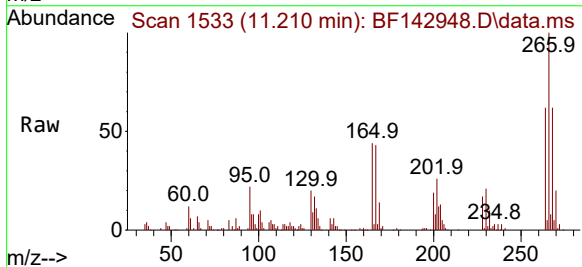
Tgt Ion:266 Resp: 97610

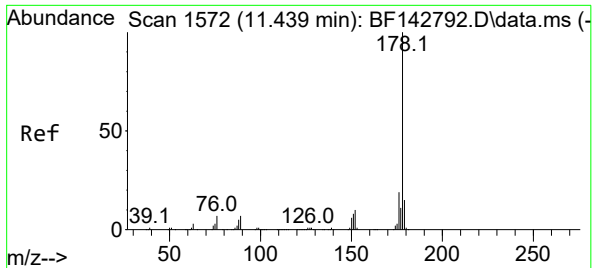
Ion Ratio Lower Upper

266 100

268 61.9 49.8 74.8

264 62.3 49.9 74.9

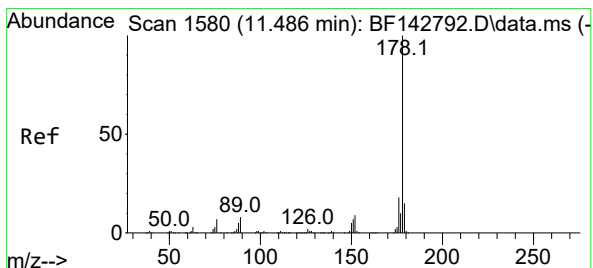
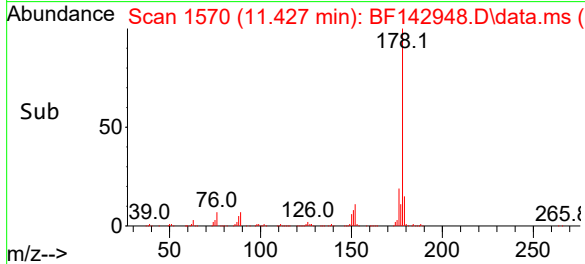
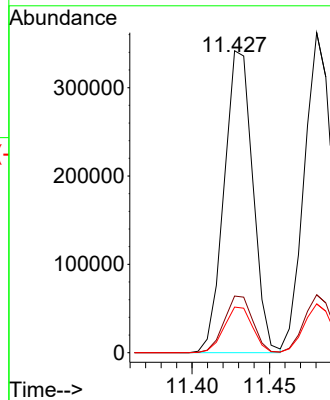
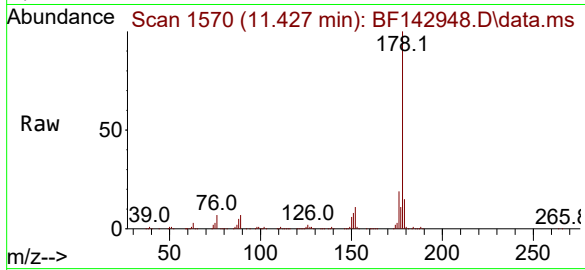




#71
Phenanthrene
Concen: 46.064 ng
RT: 11.427 min Scan# 1570
Delta R.T. -0.012 min
Lab File: BF142948.D
Acq: 01 Jul 2025 14:20

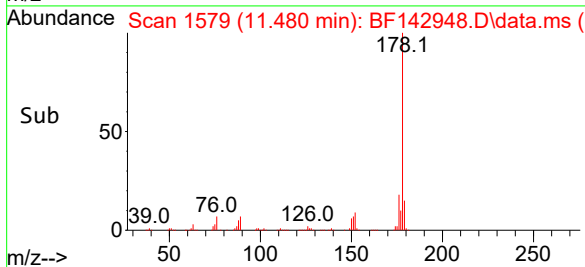
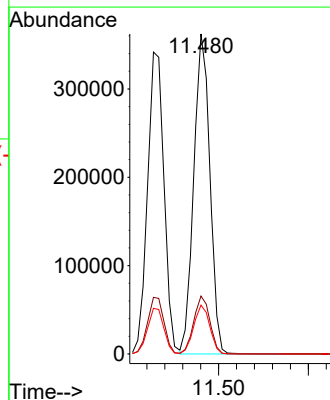
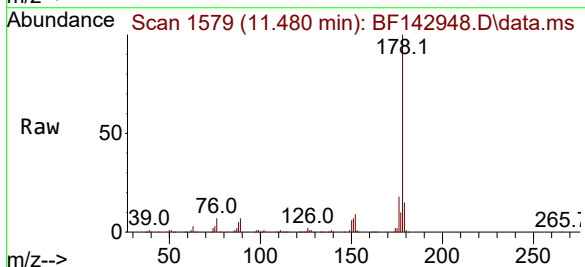
Instrument :
BNA_F
ClientSampleId :
PB168649BS

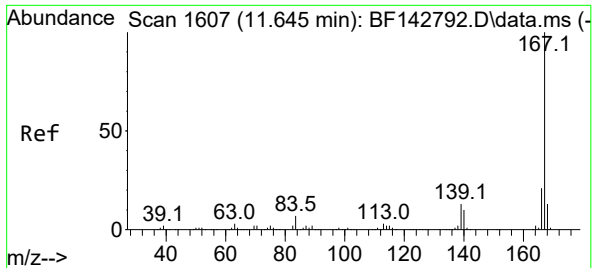
Tgt Ion:178 Resp: 440329
Ion Ratio Lower Upper
178 100
176 18.8 15.1 22.7
179 15.1 12.0 18.0



#72
Anthracene
Concen: 46.122 ng
RT: 11.480 min Scan# 1579
Delta R.T. -0.006 min
Lab File: BF142948.D
Acq: 01 Jul 2025 14:20

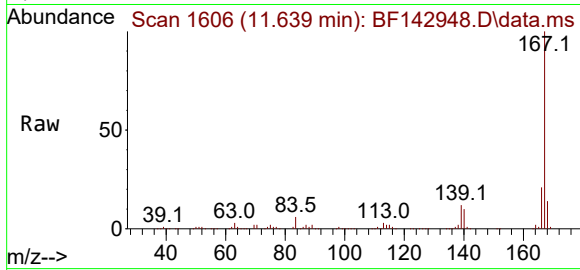
Tgt Ion:178 Resp: 452166
Ion Ratio Lower Upper
178 100
176 18.1 14.6 21.8
179 15.2 12.4 18.6



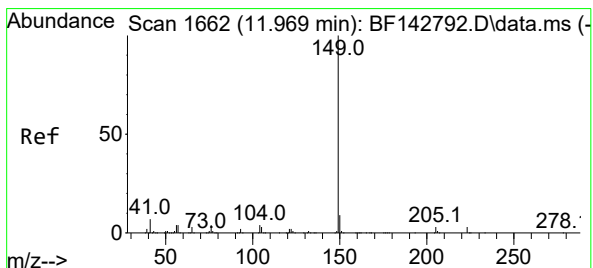
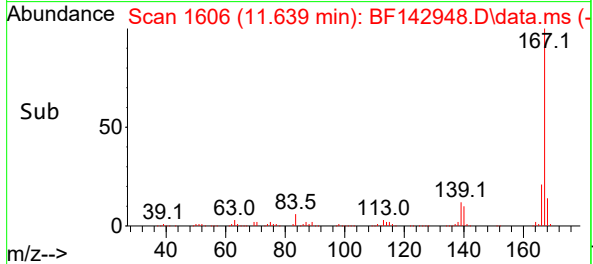
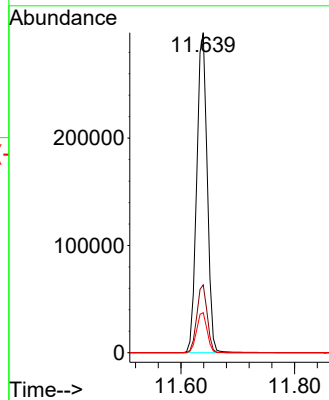


#73
Carbazole
Concen: 45.425 ng
RT: 11.639 min Scan# 1606
Delta R.T. -0.006 min
Lab File: BF142948.D
Acq: 01 Jul 2025 14:20

Instrument :
BNA_F
ClientSampleId :
PB168649BS

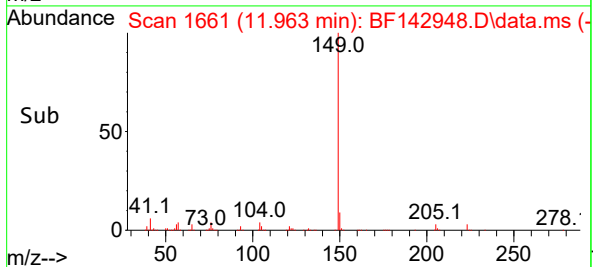
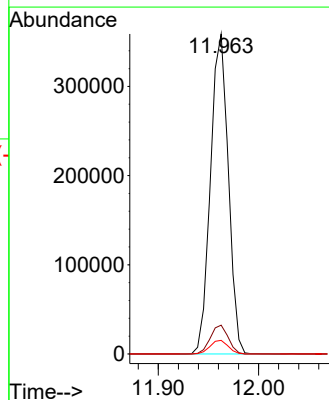
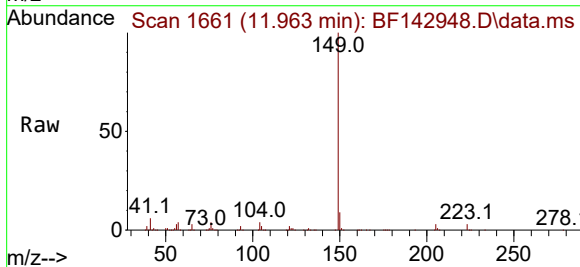


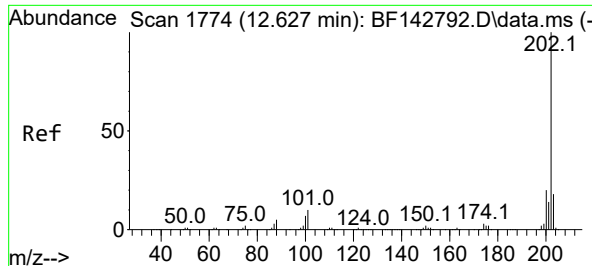
Tgt Ion:167 Resp: 384308
Ion Ratio Lower Upper
167 100
166 21.2 17.0 25.4
139 12.5 10.2 15.2



#74
Di-n-butylphthalate
Concen: 50.228 ng
RT: 11.963 min Scan# 1661
Delta R.T. -0.006 min
Lab File: BF142948.D
Acq: 01 Jul 2025 14:20

Tgt Ion:149 Resp: 442675
Ion Ratio Lower Upper
149 100
150 9.0 7.4 11.0
104 4.3 3.5 5.3





#75

Fluoranthene

Concen: 45.421 ng

RT: 12.621 min Scan# 11

Delta R.T. -0.006 min

Lab File: BF142948.D

Acq: 01 Jul 2025 14:20

Instrument :

BNA_F

ClientSampleId :

PB168649BS

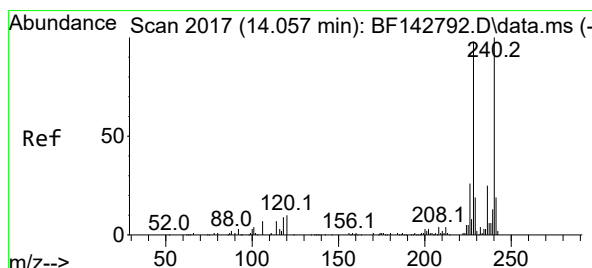
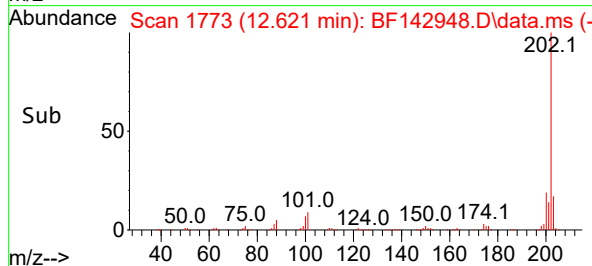
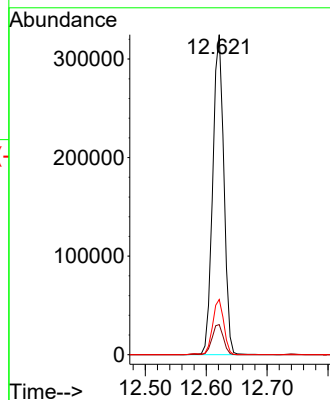
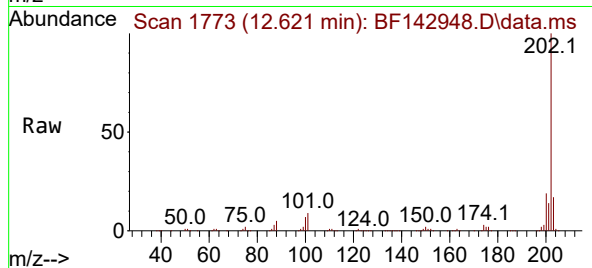
Tgt Ion:202 Resp: 412056

Ion Ratio Lower Upper

202 100

101 9.4 0.0 29.7

203 17.3 0.0 37.5



#76

Chrysene-d12

Concen: 20.000 ng

RT: 14.051 min Scan# 2016

Delta R.T. -0.006 min

Lab File: BF142948.D

Acq: 01 Jul 2025 14:20

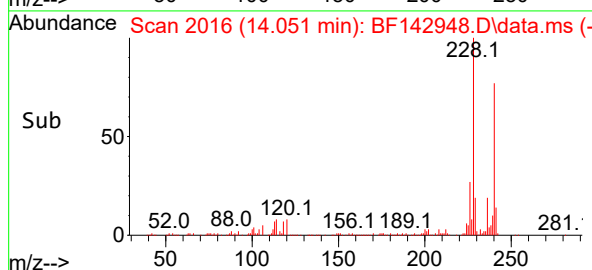
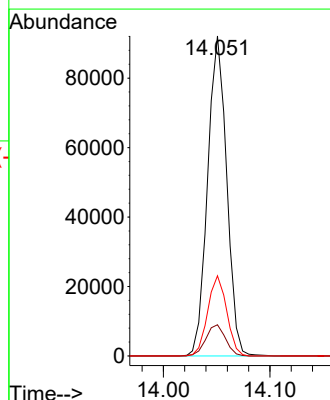
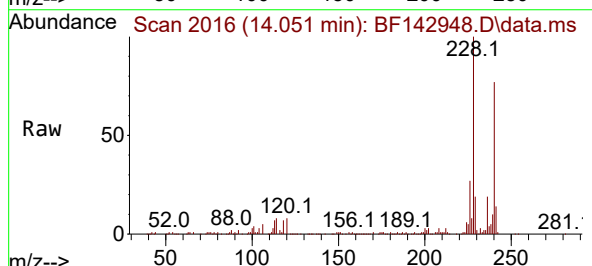
Tgt Ion:240 Resp: 114544

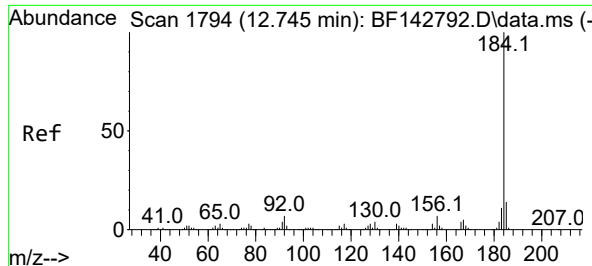
Ion Ratio Lower Upper

240 100

120 9.8 8.2 12.2

236 25.0 19.8 29.8





#77

Benzidine

Concen: 38.069 ng

RT: 12.739 min Scan# 1

Delta R.T. -0.006 min

Lab File: BF142948.D

Acq: 01 Jul 2025 14:20

Instrument :

BNA_F

ClientSampleId :

PB168649BS

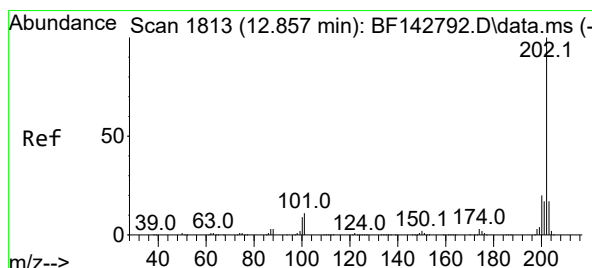
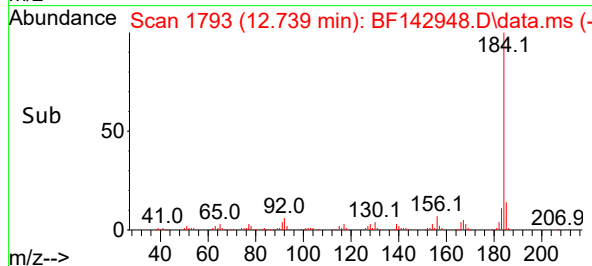
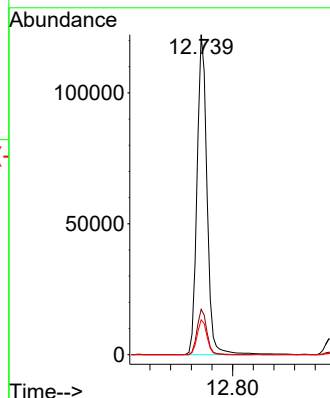
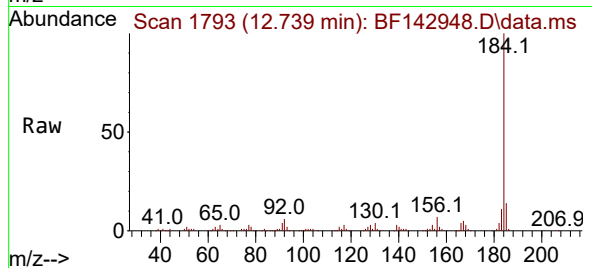
Tgt Ion:184 Resp: 163833

Ion Ratio Lower Upper

184 100

185 14.2 11.5 17.3

183 10.9 9.0 13.4



#78

Pyrene

Concen: 38.469 ng

RT: 12.851 min Scan# 1812

Delta R.T. -0.006 min

Lab File: BF142948.D

Acq: 01 Jul 2025 14:20

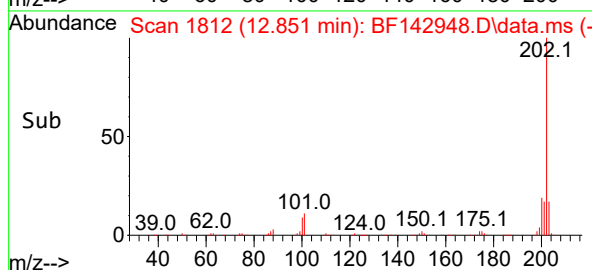
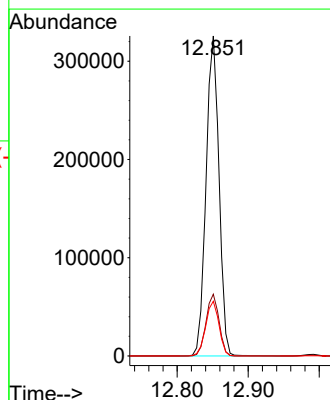
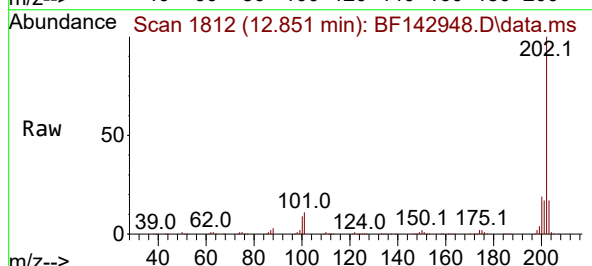
Tgt Ion:202 Resp: 413028

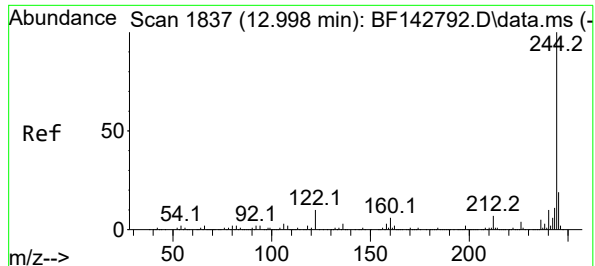
Ion Ratio Lower Upper

202 100

200 19.3 15.7 23.5

203 17.1 13.8 20.6





#79

Terphenyl-d14

Concen: 71.787 ng

RT: 12.986 min Scan# 1835

Delta R.T. -0.012 min

Lab File: BF142948.D

Acq: 01 Jul 2025 14:20

Instrument :

BNA_F

ClientSampleId :

PB168649BS

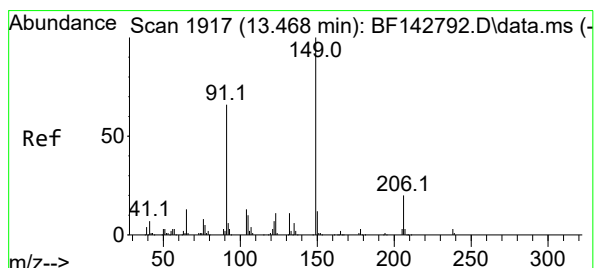
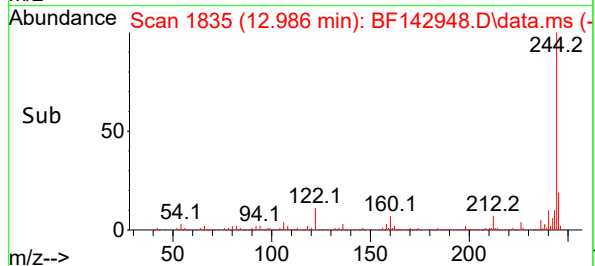
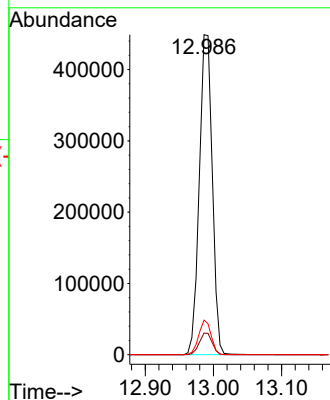
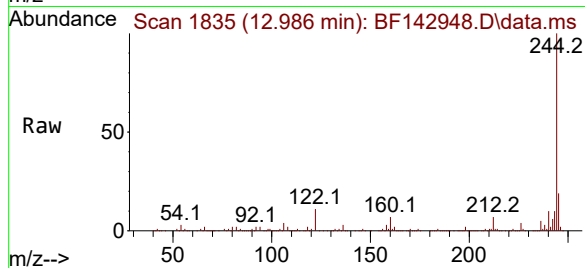
Tgt Ion:244 Resp: 595119

Ion Ratio Lower Upper

244 100

212 6.7 5.4 8.0

122 10.8 8.2 12.2



#80

Butylbenzylphthalate

Concen: 51.132 ng

RT: 13.463 min Scan# 1916

Delta R.T. -0.006 min

Lab File: BF142948.D

Acq: 01 Jul 2025 14:20

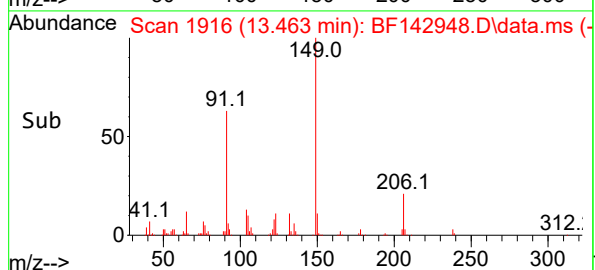
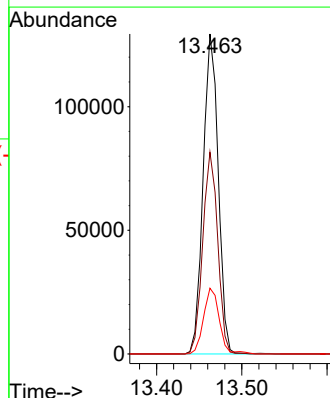
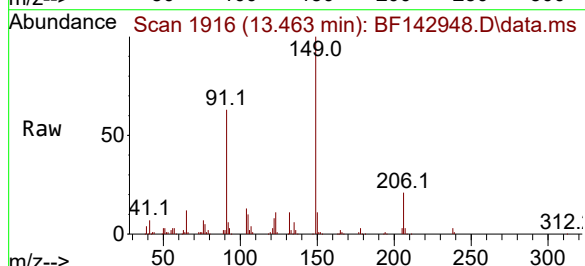
Tgt Ion:149 Resp: 159245

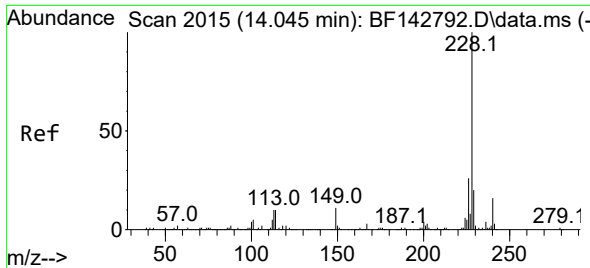
Ion Ratio Lower Upper

149 100

91 63.1 52.9 79.3

206 20.5 16.3 24.5

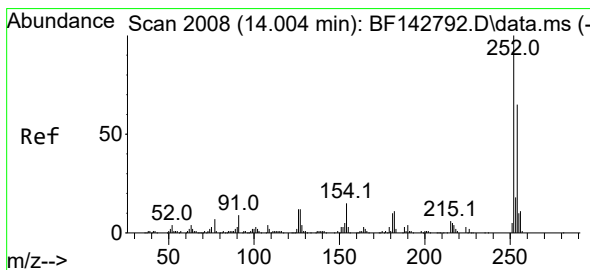
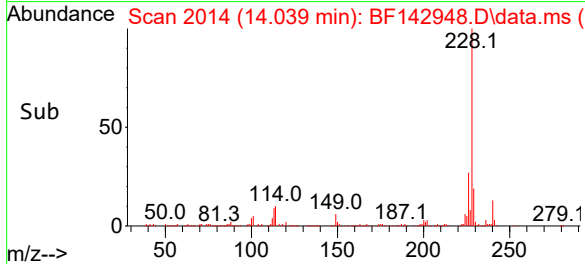
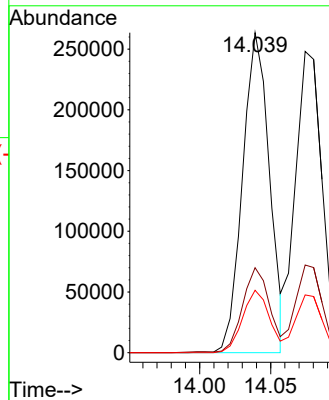
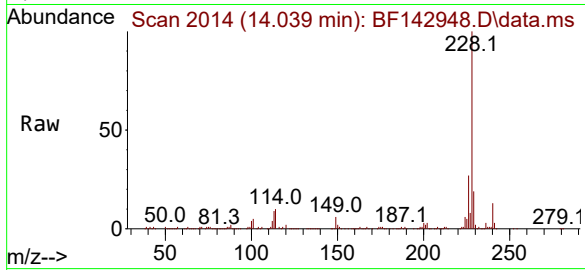




#81
Benzo(a)anthracene
Concen: 44.898 ng
RT: 14.039 min Scan# 2015
Delta R.T. -0.006 min
Lab File: BF142948.D
Acq: 01 Jul 2025 14:20

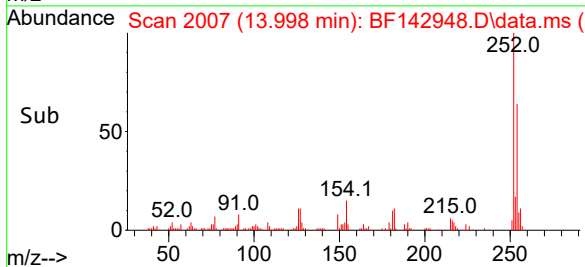
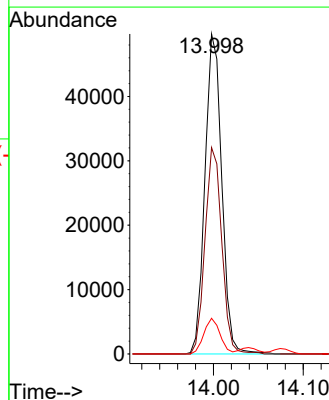
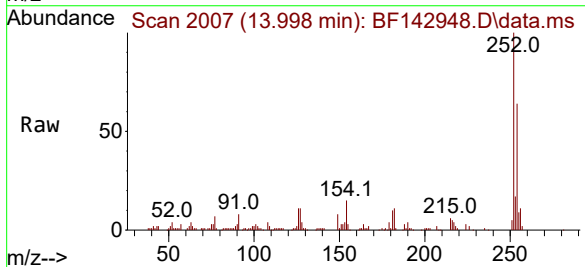
Instrument :
BNA_F
ClientSampleId :
PB168649BS

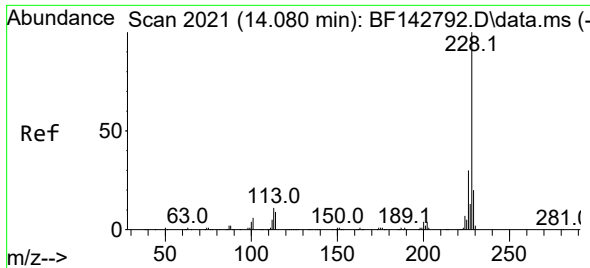
Tgt Ion:228 Resp: 346937
Ion Ratio Lower Upper
228 100
226 26.6 21.2 31.8
229 19.5 15.6 23.4



#82
3,3'-Dichlorobenzidine
Concen: 25.821 ng
RT: 13.998 min Scan# 2007
Delta R.T. -0.006 min
Lab File: BF142948.D
Acq: 01 Jul 2025 14:20

Tgt Ion:252 Resp: 64718
Ion Ratio Lower Upper
252 100
254 64.5 51.7 77.5
126 11.1 9.4 14.2

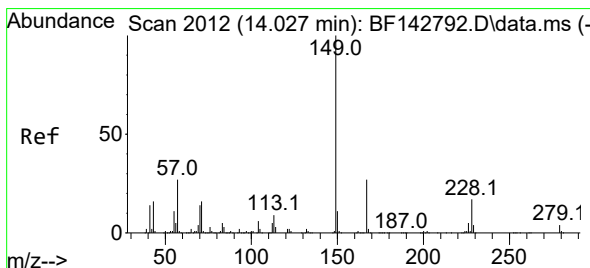
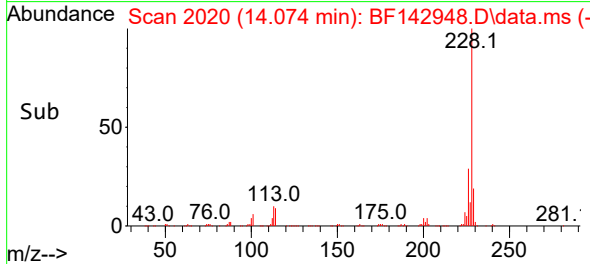
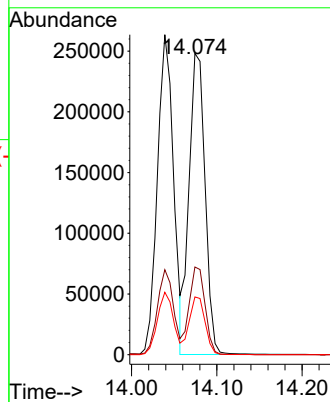
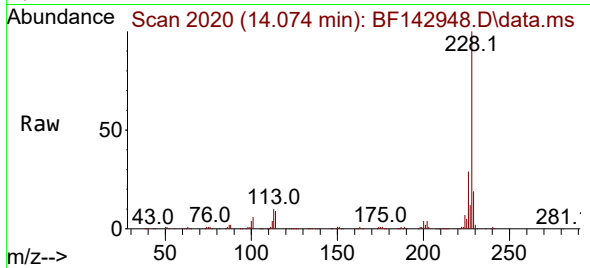




#83
Chrysene
Concen: 47.053 ng
RT: 14.074 min Scan# 2011
Delta R.T. -0.006 min
Lab File: BF142948.D
Acq: 01 Jul 2025 14:20

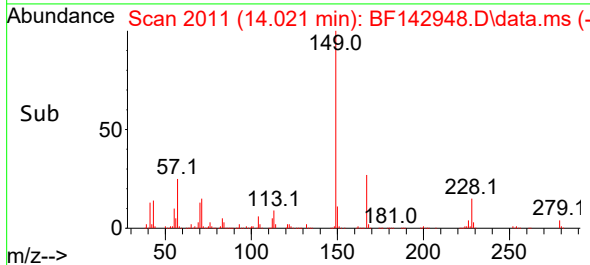
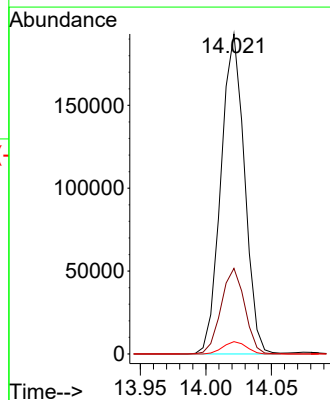
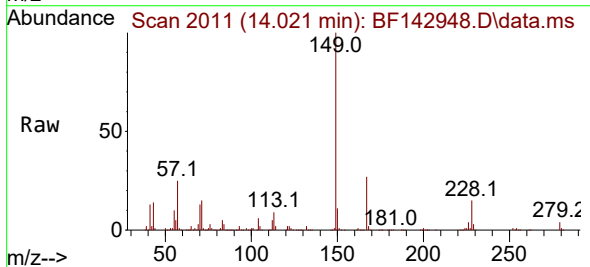
Instrument :
BNA_F
ClientSampleId :
PB168649BS

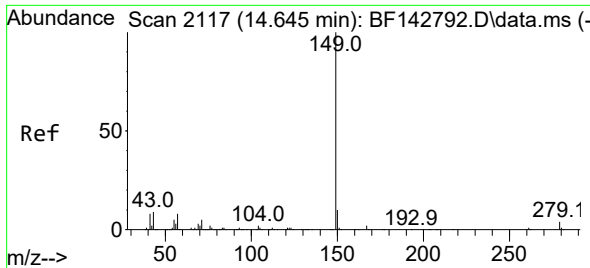
Tgt Ion:228 Resp: 324437
Ion Ratio Lower Upper
228 100
226 29.1 23.7 35.5
229 19.2 15.7 23.5



#84
Bis(2-ethylhexyl)phthalate
Concen: 53.913 ng
RT: 14.021 min Scan# 2011
Delta R.T. -0.006 min
Lab File: BF142948.D
Acq: 01 Jul 2025 14:20

Tgt Ion:149 Resp: 241584
Ion Ratio Lower Upper
149 100
167 26.8 21.4 32.0
279 3.9 3.0 4.6

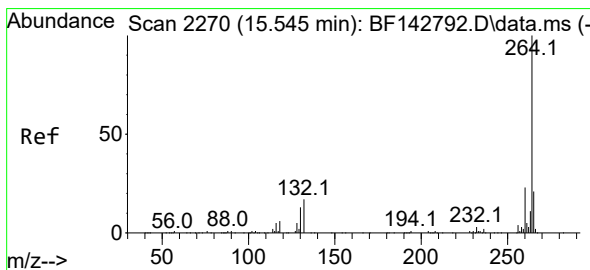
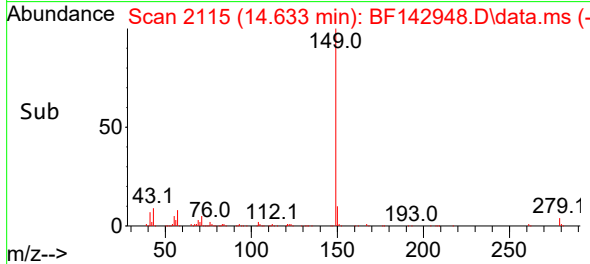
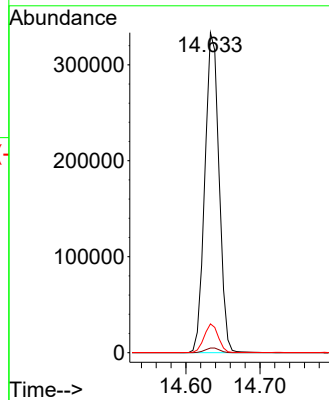
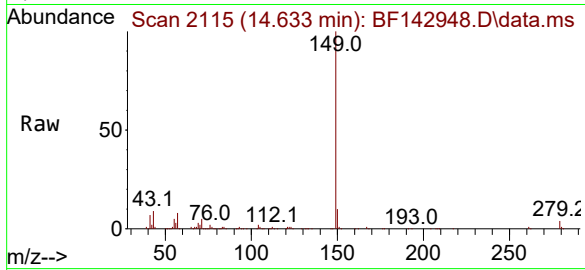




#85
Di-n-octyl phthalate
Concen: 52.559 ng
RT: 14.633 min Scan# 2115
Delta R.T. -0.012 min
Lab File: BF142948.D
Acq: 01 Jul 2025 14:20

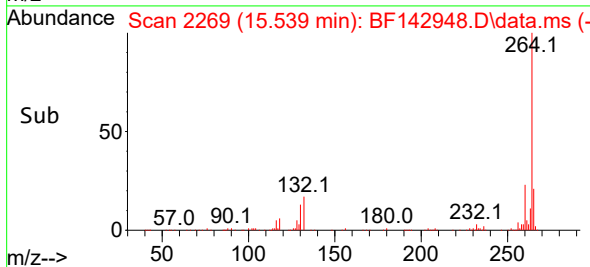
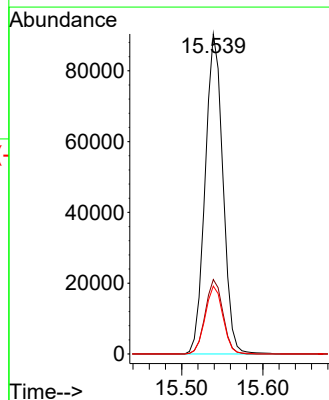
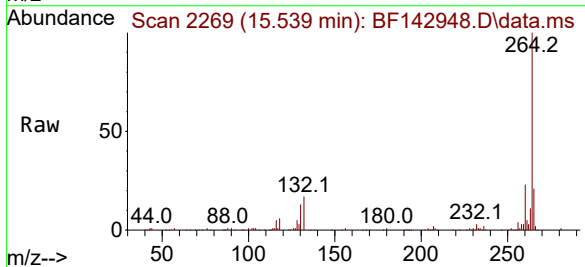
Instrument :
BNA_F
ClientSampleId :
PB168649BS

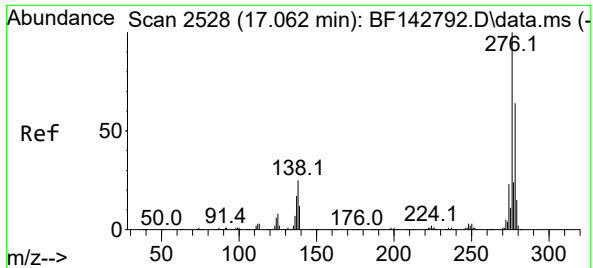
Tgt Ion:149 Resp: 444091
Ion Ratio Lower Upper
149 100
167 1.5 1.3 1.9
43 8.8 7.6 11.4



#86
Perylene-d12
Concen: 20.000 ng
RT: 15.539 min Scan# 2269
Delta R.T. -0.006 min
Lab File: BF142948.D
Acq: 01 Jul 2025 14:20

Tgt Ion:264 Resp: 137043
Ion Ratio Lower Upper
264 100
260 23.3 18.1 27.1
265 21.2 16.6 25.0





#87

Indeno(1,2,3-cd)pyrene

Concen: 43.884 ng

RT: 17.056 min Scan# 2195

Delta R.T. -0.006 min

Lab File: BF142948.D

Acq: 01 Jul 2025 14:20

Instrument :

BNA_F

ClientSampleId :

PB168649BS

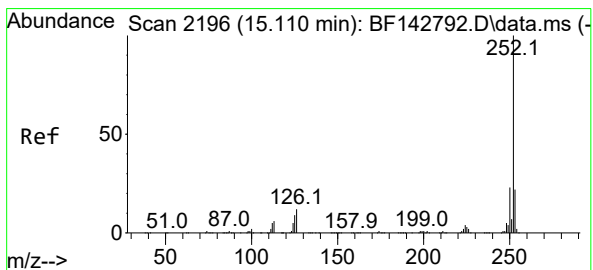
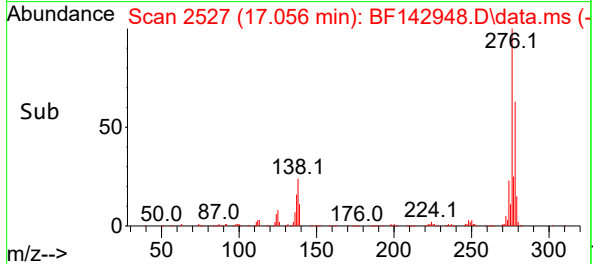
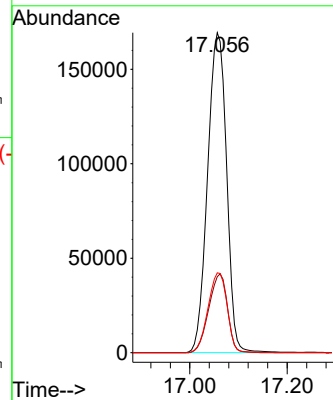
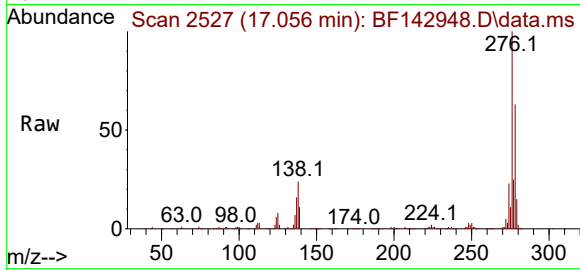
Tgt Ion:276 Resp: 458083

Ion Ratio Lower Upper

276 100

138 24.2 20.2 30.4

277 25.1 19.8 29.6



#88

Benzo(b)fluoranthene

Concen: 45.522 ng

RT: 15.104 min Scan# 2195

Delta R.T. -0.006 min

Lab File: BF142948.D

Acq: 01 Jul 2025 14:20

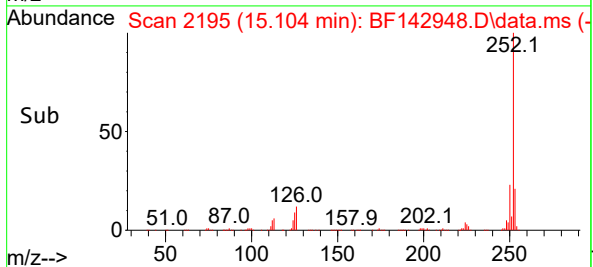
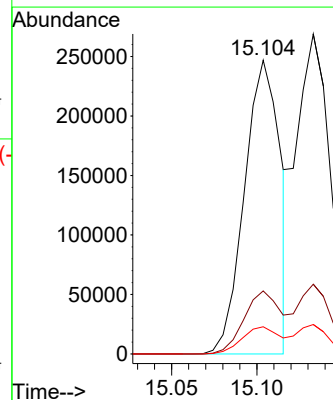
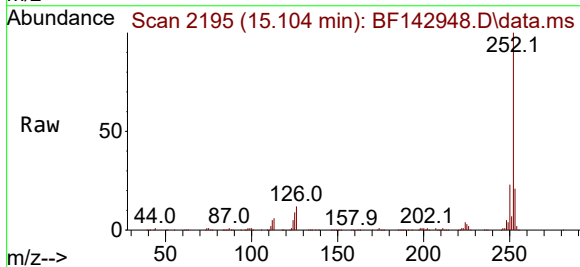
Tgt Ion:252 Resp: 360985

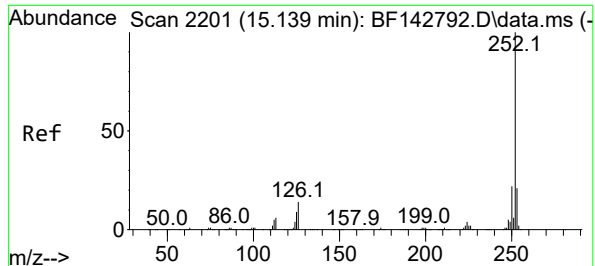
Ion Ratio Lower Upper

252 100

253 21.5 17.5 26.3

125 9.3 7.4 11.0





#89

Benzo(k)fluoranthene

Concen: 50.257 ng

RT: 15.133 min Scan# 21

Delta R.T. -0.006 min

Lab File: BF142948.D

Acq: 01 Jul 2025 14:20

Instrument :

BNA_F

ClientSampleId :

PB168649BS

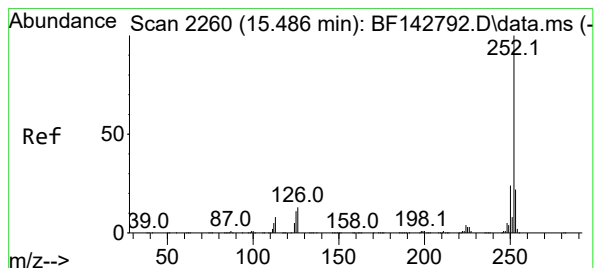
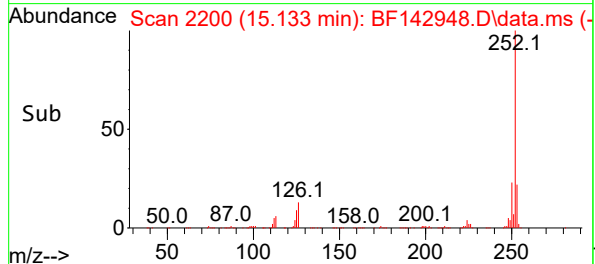
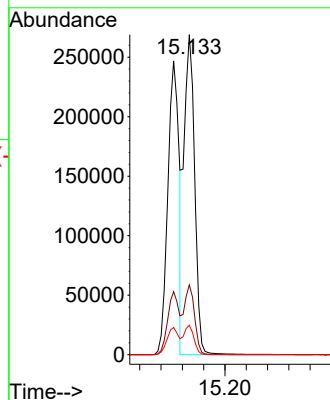
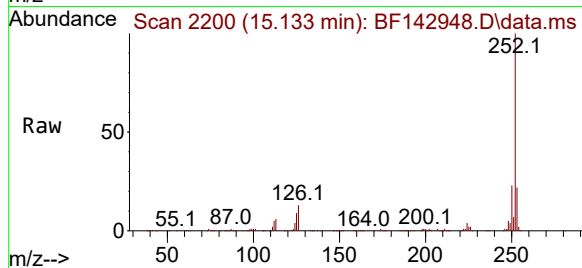
Tgt Ion:252 Resp: 372857

Ion Ratio Lower Upper

252 100

253 21.8 17.2 25.8

125 9.2 7.4 11.2



#90

Benzo(a)pyrene

Concen: 47.406 ng

RT: 15.480 min Scan# 2259

Delta R.T. -0.006 min

Lab File: BF142948.D

Acq: 01 Jul 2025 14:20

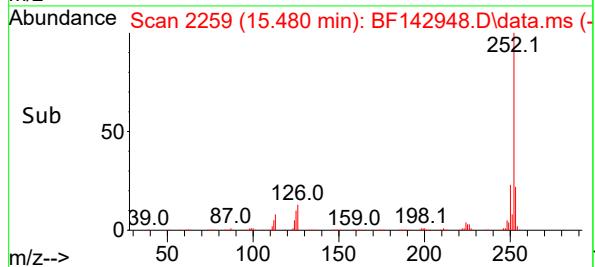
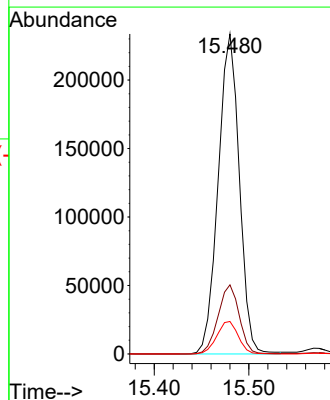
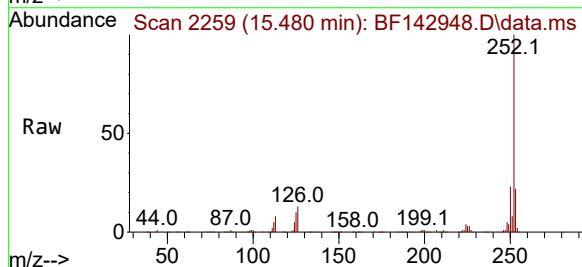
Tgt Ion:252 Resp: 363172

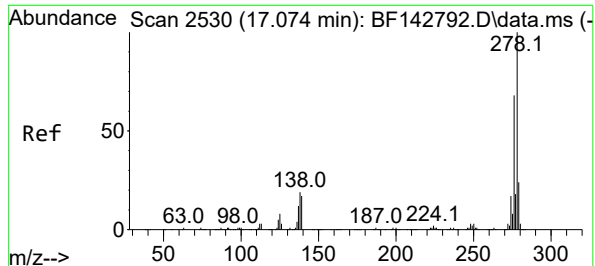
Ion Ratio Lower Upper

252 100

253 21.6 17.5 26.3

125 10.2 8.6 12.8





#91

Dibenzo(a,h)anthracene

Concen: 44.025 ng

RT: 17.068 min Scan# 21

Delta R.T. -0.006 min

Lab File: BF142948.D

Acq: 01 Jul 2025 14:20

Instrument :

BNA_F

ClientSampleId :

PB168649BS

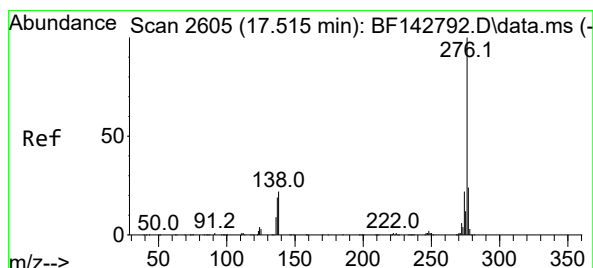
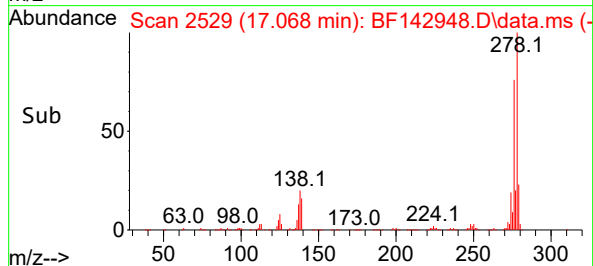
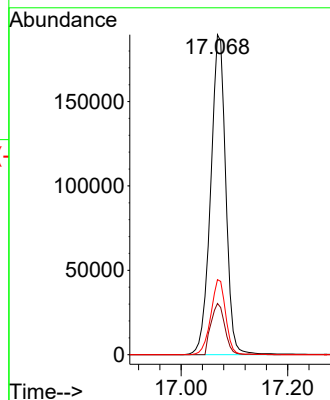
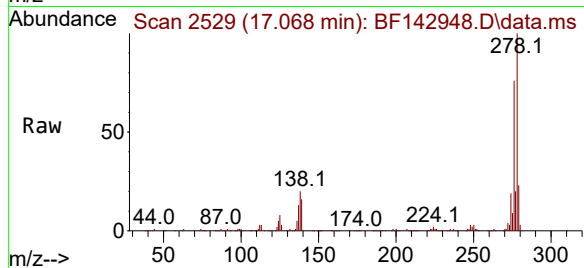
Tgt Ion:278 Resp: 373393

Ion Ratio Lower Upper

278 100

139 16.0 13.5 20.3

279 23.5 18.8 28.2



#92

Benzo(g,h,i)perylene

Concen: 43.606 ng

RT: 17.515 min Scan# 2605

Delta R.T. 0.000 min

Lab File: BF142948.D

Acq: 01 Jul 2025 14:20

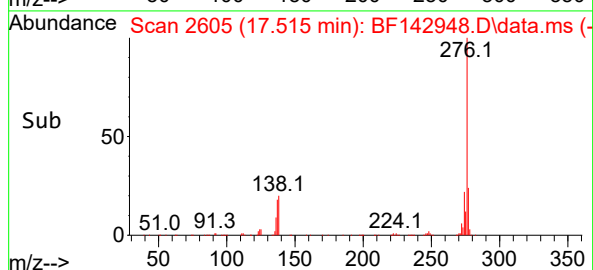
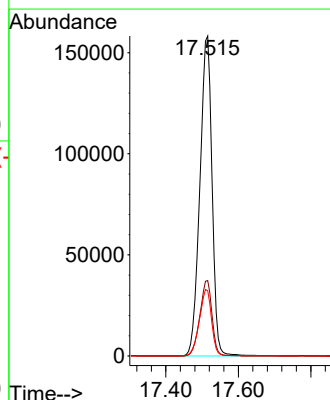
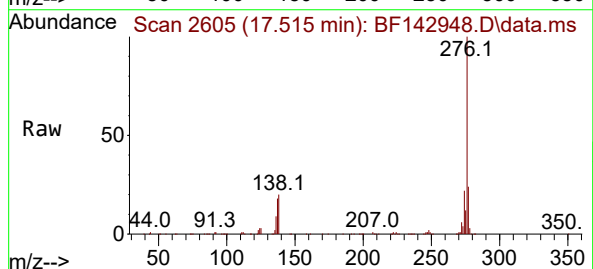
Tgt Ion:276 Resp: 368794

Ion Ratio Lower Upper

276 100

277 23.6 18.8 28.2

138 20.4 17.6 26.4



Report of Analysis

Client:	CDM Smith	Date Collected:	06/26/25
Project:	South River WM Replacement	Date Received:	06/26/25
Client Sample ID:	MH-E/FMS	SDG No.:	Q2436
Lab Sample ID:	Q2430-01MS	Matrix:	SOIL
Analytical Method:	8270E	% Solid:	88.2
Sample Wt/Vol:	50.07 Units: g	Final Vol:	1000 uL
Soil Aliquot Vol:	uL	Test:	SVOC-TCL BNA -20
Extraction Type :	Decanted : N	Level :	LOW
Injection Volume :	GPC Factor : 1.0	GPC Cleanup :	N PH :
Prep Method :	SW3541		

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
BF142921.D	1	06/27/25 11:20	06/30/25 18:13	PB168649

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units(Dry Weight)
TARGETS						
100-52-7	Benzaldehyde	650		110	220	ug/Kg
108-95-2	Phenol	940		15.0	120	ug/Kg
111-44-4	bis(2-Chloroethyl)ether	980		16.5	120	ug/Kg
95-57-8	2-Chlorophenol	990		16.6	120	ug/Kg
95-48-7	2-Methylphenol	960		20.3	120	ug/Kg
108-60-1	2,2-oxybis(1-Chloropropane)	920		25.5	120	ug/Kg
98-86-2	Acetophenone	1000		20.0	120	ug/Kg
65794-96-9	3+4-Methylphenols	1000		27.9	220	ug/Kg
621-64-7	n-Nitroso-di-n-propylamine	990		32.2	54.3	ug/Kg
67-72-1	Hexachloroethane	1000		12.0	120	ug/Kg
98-95-3	Nitrobenzene	980		12.4	120	ug/Kg
78-59-1	Isophorone	980		22.3	120	ug/Kg
88-75-5	2-Nitrophenol	1000		39.5	120	ug/Kg
105-67-9	2,4-Dimethylphenol	950		44.0	120	ug/Kg
111-91-1	bis(2-Chloroethoxy)methane	990		20.9	120	ug/Kg
120-83-2	2,4-Dichlorophenol	980		19.2	120	ug/Kg
91-20-3	Naphthalene	980		15.4	120	ug/Kg
106-47-8	4-Chloroaniline	250		24.0	120	ug/Kg
87-68-3	Hexachlorobutadiene	1000		17.2	120	ug/Kg
105-60-2	Caprolactam	1000		35.4	220	ug/Kg
59-50-7	4-Chloro-3-methylphenol	980		19.5	120	ug/Kg
91-57-6	2-Methylnaphthalene	990		17.4	120	ug/Kg
77-47-4	Hexachlorocyclopentadiene	1800	E	78.8	220	ug/Kg
88-06-2	2,4,6-Trichlorophenol	1000		13.5	120	ug/Kg
95-95-4	2,4,5-Trichlorophenol	990		19.8	120	ug/Kg
92-52-4	1,1-Biphenyl	1000		14.8	120	ug/Kg
91-58-7	2-Chloronaphthalene	1000		15.3	120	ug/Kg
88-74-4	2-Nitroaniline	1000		32.7	120	ug/Kg
131-11-3	Dimethylphthalate	1000		18.4	120	ug/Kg

Report of Analysis

Client:	CDM Smith	Date Collected:	06/26/25
Project:	South River WM Replacement	Date Received:	06/26/25
Client Sample ID:	MH-E/FMS	SDG No.:	Q2436
Lab Sample ID:	Q2430-01MS	Matrix:	SOIL
Analytical Method:	8270E	% Solid:	88.2
Sample Wt/Vol:	50.07 Units: g	Final Vol:	1000 uL
Soil Aliquot Vol:	uL	Test:	SVOC-TCL BNA -20
Extraction Type :	Decanted : N	Level :	LOW
Injection Volume :	GPC Factor : 1.0	GPC Cleanup :	N PH :
Prep Method :	SW3541		

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
BF142921.D	1	06/27/25 11:20	06/30/25 18:13	PB168649

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units(Dry Weight)
208-96-8	Acenaphthylene	1000		19.6	120	ug/Kg
606-20-2	2,6-Dinitrotoluene	1100		22.8	120	ug/Kg
99-09-2	3-Nitroaniline	450		31.2	120	ug/Kg
83-32-9	Acenaphthene	1100		14.5	120	ug/Kg
51-28-5	2,4-Dinitrophenol	1400		160	220	ug/Kg
100-02-7	4-Nitrophenol	1900	E	72.7	220	ug/Kg
132-64-9	Dibenzofuran	1000		15.4	120	ug/Kg
121-14-2	2,4-Dinitrotoluene	1100		34.0	120	ug/Kg
84-66-2	Diethylphthalate	1100		19.2	120	ug/Kg
7005-72-3	4-Chlorophenyl-phenylether	1000		18.1	120	ug/Kg
86-73-7	Fluorene	1000		17.2	120	ug/Kg
100-01-6	4-Nitroaniline	970		43.6	120	ug/Kg
534-52-1	4,6-Dinitro-2-methylphenol	870		70.0	220	ug/Kg
86-30-6	n-Nitrosodiphenylamine	1000		22.3	120	ug/Kg
101-55-3	4-Bromophenyl-phenylether	1000		18.9	120	ug/Kg
118-74-1	Hexachlorobenzene	1000		17.2	120	ug/Kg
1912-24-9	Atrazine	1200		23.1	120	ug/Kg
87-86-5	Pentachlorophenol	1800	E	34.8	220	ug/Kg
85-01-8	Phenanthrene	1000		14.2	120	ug/Kg
120-12-7	Anthracene	1000		22.6	120	ug/Kg
86-74-8	Carbazole	1000		21.2	120	ug/Kg
84-74-2	Di-n-butylphthalate	1200		32.5	120	ug/Kg
206-44-0	Fluoranthene	1000		20.4	120	ug/Kg
129-00-0	Pyrene	950		24.5	120	ug/Kg
85-68-7	Butylbenzylphthalate	1200		48.5	120	ug/Kg
91-94-1	3,3-Dichlorobenzidine	210	J	24.9	220	ug/Kg
56-55-3	Benzo(a)anthracene	980		15.6	120	ug/Kg
218-01-9	Chrysene	1000		13.5	120	ug/Kg
117-81-7	Bis(2-ethylhexyl)phthalate	1200		40.2	120	ug/Kg
117-84-0	Di-n-octyl phthalate	990		59.0	220	ug/Kg
205-99-2	Benzo(b)fluoranthene	970		12.9	120	ug/Kg

Report of Analysis

Client:	CDM Smith	Date Collected:	06/26/25
Project:	South River WM Replacement	Date Received:	06/26/25
Client Sample ID:	MH-E/FMS	SDG No.:	Q2436
Lab Sample ID:	Q2430-01MS	Matrix:	SOIL
Analytical Method:	8270E	% Solid:	88.2
Sample Wt/Vol:	50.07 Units: g	Final Vol:	1000 uL
Soil Aliquot Vol:	uL	Test:	SVOC-TCL BNA -20
Extraction Type :	Decanted : N	Level :	LOW
Injection Volume :	GPC Factor : 1.0	GPC Cleanup :	N PH :
Prep Method :	SW3541		

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
BF142921.D	1	06/27/25 11:20	06/30/25 18:13	PB168649

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units(Dry Weight)
207-08-9	Benzo(k)fluoranthene	1100		15.2	120	ug/Kg
50-32-8	Benzo(a)pyrene	1000		20.0	120	ug/Kg
193-39-5	Indeno(1,2,3-cd)pyrene	920		19.8	120	ug/Kg
53-70-3	Dibenzo(a,h)anthracene	920		18.6	120	ug/Kg
191-24-2	Benzo(g,h,i)perylene	900		17.5	120	ug/Kg
95-94-3	1,2,4,5-Tetrachlorobenzene	1000		17.4	120	ug/Kg
123-91-1	1,4-Dioxane	870		30.7	120	ug/Kg
58-90-2	2,3,4,6-Tetrachlorophenol	990		18.6	120	ug/Kg
SURROGATES						
367-12-4	2-Fluorophenol	90.0		18 - 112	60%	SPK: 150
13127-88-3	Phenol-d6	90.3		15 - 107	60%	SPK: 150
4165-60-0	Nitrobenzene-d5	57.0		18 - 107	57%	SPK: 100
321-60-8	2-Fluorobiphenyl	57.5		20 - 109	57%	SPK: 100
118-79-6	2,4,6-Tribromophenol	94.2		10 - 116	63%	SPK: 150
1718-51-0	Terphenyl-d14	53.9		10 - 105	54%	SPK: 100
INTERNAL STANDARDS						
3855-82-1	1,4-Dichlorobenzene-d4	63400	6.875			
1146-65-2	Naphthalene-d8	240000	8.157			
15067-26-2	Acenaphthene-d10	122000	9.916			
1517-22-2	Phenanthrene-d10	205000	11.404			
1719-03-5	Chrysene-d12	122000	14.051			
1520-96-3	Perylene-d12	140000	15.539			

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\BF063025\
 Data File : BF142921.D
 Acq On : 30 Jun 2025 18:13
 Operator : RC/JU
 Sample : Q2430-01MS
 Misc :
 ALS Vial : 7 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 MH-E/FMS

Quant Time: Jun 30 18:45:35 2025
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF061925.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Tue Jun 24 05:28:21 2025
 Response via : Initial Calibration

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

Internal Standards						
1) 1,4-Dichlorobenzene-d4	6.875	152	63433	20.000	ng	0.00
21) Naphthalene-d8	8.157	136	239823	20.000	ng	-0.01
39) Acenaphthene-d10	9.916	164	122332	20.000	ng	0.00
64) Phenanthrene-d10	11.404	188	205148	20.000	ng	0.00
76) Chrysene-d12	14.051	240	122398	20.000	ng	0.00
86) Perylene-d12	15.539	264	140375	20.000	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.498	112	342787	89.971	ng	0.00
7) Phenol-d6	6.504	99	406100	90.345	ng	0.00
23) Nitrobenzene-d5	7.439	82	249355	57.031	ng	0.00
42) 2,4,6-Tribromophenol	10.710	330	118585	94.199	ng	0.00
45) 2-Fluorobiphenyl	9.233	172	535062	57.458	ng	-0.01
79) Terphenyl-d14	12.992	244	477679	53.923	ng	0.00
Target Compounds						
						Qvalue
2) 1,4-Dioxane	2.687	88	58802	38.587	ng	99
3) Pyridine	3.446	79	151626	39.689	ng	99
4) n-Nitrosodimethylamine	3.399	42	83581	42.307	ng	100
6) Aniline	6.534	93	128671	21.513	ng	# 79
8) 2-Chlorophenol	6.657	128	179061	43.569	ng	97
9) Benzaldehyde	6.422	77	76599	28.723	ng	99
10) Phenol	6.522	94	207385	41.506	ng	95
11) bis(2-Chloroethyl)ether	6.604	93	155158	43.448	ng	99
12) 1,3-Dichlorobenzene	6.816	146	199622	43.430	ng	99
13) 1,4-Dichlorobenzene	6.892	146	203262	43.831	ng	99
14) 1,2-Dichlorobenzene	7.045	146	190588	43.330	ng	99
15) Benzyl Alcohol	7.016	79	142684	43.908	ng	99
16) 2,2'-oxybis(1-Chloropr...	7.145	45	233207	40.646	ng	91
17) 2-Methylphenol	7.128	107	132266	42.468	ng	99
18) Hexachloroethane	7.387	117	71440	44.043	ng	96
19) n-Nitroso-di-n-propyla...	7.287	70	114033	43.619	ng	97
20) 3+4-Methylphenols	7.281	107	171195	44.085	ng	91
22) Acetophenone	7.281	105	234000	44.247	ng	98
24) Nitrobenzene	7.457	77	171083	43.232	ng	98
25) Isophorone	7.698	82	303572	43.282	ng	98
26) 2-Nitrophenol	7.775	139	97148	45.065	ng	99
27) 2,4-Dimethylphenol	7.810	122	157482	42.174	ng	99
28) bis(2-Chloroethoxy)met...	7.904	93	194151	43.541	ng	100
29) 2,4-Dichlorophenol	8.016	162	146774	43.350	ng	99
30) 1,2,4-Trichlorobenzene	8.098	180	160684	43.159	ng	100
31) Naphthalene	8.181	128	510282	43.469	ng	100
32) Benzoic acid	7.922	122	64680	33.985	ng	95
33) 4-Chloroaniline	8.228	127	53156	11.136	ng	99
34) Hexachlorobutadiene	8.292	225	100314	44.049	ng	98
35) Caprolactam	8.598	113	41394	46.332	ng	97
36) 4-Chloro-3-methylphenol	8.716	107	144971	43.083	ng	99
37) 2-Methylnaphthalene	8.875	142	317831	43.672	ng	100
38) 1-Methylnaphthalene	8.969	142	330475	43.866	ng	100
40) 1,2,4,5-Tetrachloroben...	9.039	216	162030	44.888	ng	99
41) Hexachlorocyclopentadiene	9.028	237	166489	81.278	ng	98
43) 2,4,6-Trichlorophenol	9.151	196	103812	44.136	ng	100

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF063025\
 Data File : BF142921.D
 Acq On : 30 Jun 2025 18:13
 Operator : RC/JU
 Sample : Q2430-01MS
 Misc :
 ALS Vial : 7 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 MH-E/FMS

Quant Time: Jun 30 18:45:35 2025
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF061925.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Tue Jun 24 05:28:21 2025
 Response via : Initial Calibration

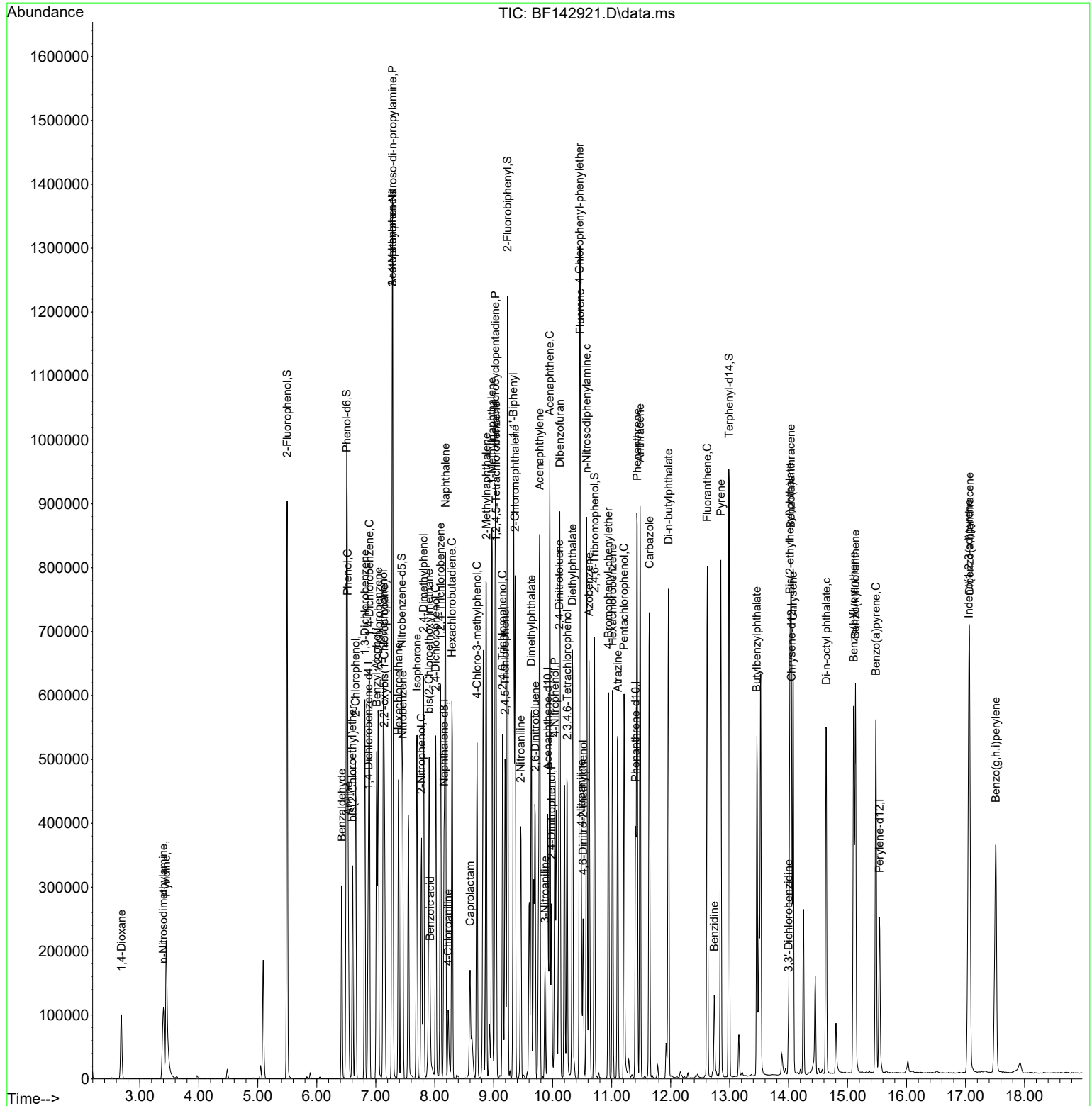
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
44) 2,4,5-Trichlorophenol	9.192	196	108426	43.791	ng	99
46) 1,1'-Biphenyl	9.333	154	433812	44.892	ng	100
47) 2-Chloronaphthalene	9.363	162	320845	44.243	ng	100
48) 2-Nitroaniline	9.457	65	91080	44.799	ng	99
49) Acenaphthylene	9.780	152	531142	44.492	ng	99
50) Dimethylphthalate	9.639	163	362507	45.779	ng	100
51) 2,6-Dinitrotoluene	9.704	165	80687	46.399	ng	95
52) Acenaphthene	9.951	154	338300m	46.446	ng	
53) 3-Nitroaniline	9.869	138	38459	20.087	ng	99
54) 2,4-Dinitrophenol	9.980	184	55373	63.592	ng	97
55) Dibenzofuran	10.122	168	460894	44.128	ng	100
56) 4-Nitrophenol	10.039	139	112803	86.058	ng	97
57) 2,4-Dinitrotoluene	10.110	165	109167	47.260	ng	97
58) Fluorene	10.469	166	367492	45.052	ng	100
59) 2,3,4,6-Tetrachlorophenol	10.245	232	87179	43.681	ng	97
60) Diethylphthalate	10.333	149	370817	47.761	ng	99
61) 4-Chlorophenyl-phenyle...	10.457	204	175973	45.209	ng	99
62) 4-Nitroaniline	10.486	138	75311	43.008	ng	97
63) Azobenzene	10.616	77	326996	47.123	ng	97
65) 4,6-Dinitro-2-methylph...	10.516	198	47648	38.399	ng	95
66) n-Nitrosodiphenylamine	10.575	169	315172	44.328	ng	99
67) 4-Bromophenyl-phenylether	10.945	248	106824	45.753	ng	96
68) Hexachlorobenzene	11.016	284	116020	44.721	ng	99
69) Atrazine	11.104	200	96238	52.417	ng	99
70) Pentachlorophenol	11.210	266	105164	81.349	ng	100
71) Phenanthrene	11.433	178	497964	44.810	ng	99
72) Anthracene	11.480	178	502557	44.095	ng	100
73) Carbazole	11.639	167	435876	44.317	ng	99
74) Di-n-butylphthalate	11.963	149	557570	54.418	ng	100
75) Fluoranthene	12.621	202	468138	44.387	ng	99
77) Benzidine	12.739	184	73574	15.999	ng	100
78) Pyrene	12.851	202	483138	42.111	ng	100
80) Butylbenzylphthalate	13.463	149	181899	54.658	ng	98
81) Benzo(a)anthracene	14.039	228	358192	43.380	ng	100
82) 3,3'-Dichlorobenzidine	13.998	252	25286	9.441	ng	98
83) Chrysene	14.074	228	333013	45.198	ng	100
84) Bis(2-ethylhexyl)phtha...	14.021	149	245172	51.203	ng	99
85) Di-n-octyl phthalate	14.639	149	394089	43.648	ng	99
87) Indeno(1,2,3-cd)pyrene	17.056	276	432908	40.488	ng	99
88) Benzo(b)fluoranthene	15.104	252	349430	43.019	ng	100
89) Benzo(k)fluoranthene	15.133	252	358787	47.212	ng	100
90) Benzo(a)pyrene	15.480	252	353848	45.093	ng	99
91) Dibenzo(a,h)anthracene	17.068	278	353869	40.733	ng	99
92) Benzo(g,h,i)perylene	17.515	276	344992	39.824	ng	98

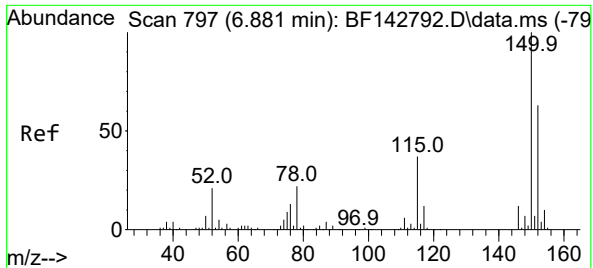
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Data File : BF142921.D  
Acq On    : 30 Jun 2025  18:13  
Operator  : RC/JU  
Sample    : Q2430-01MS  
Misc      :  
ALS Vial  : 7    Sample Multiplier: 1
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Instrument :
BNA_F
ClientSampleId :
MH-E/FMS

Quant Time: Jun 30 18:45:35 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF061925.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Tue Jun 24 05:28:21 2025
Response via : Initial Calibration

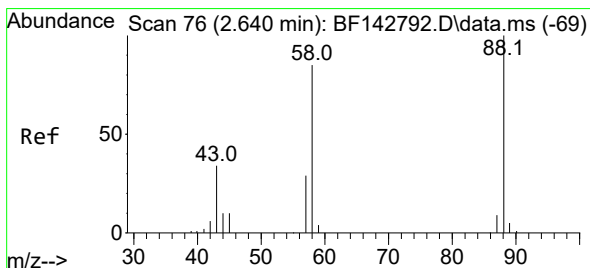
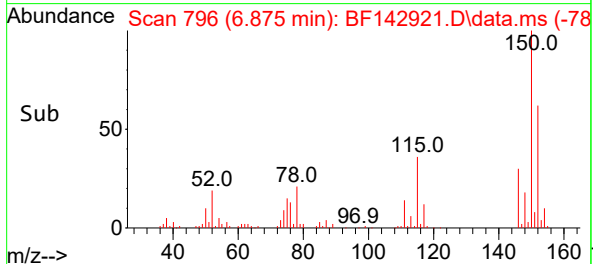
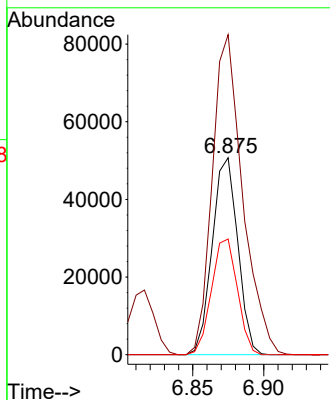
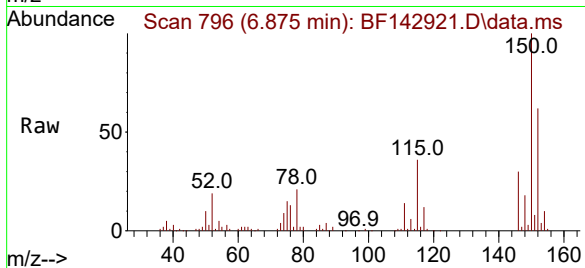




#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.875 min Scan# 79
Delta R.T. -0.006 min
Lab File: BF142921.D
Acq: 30 Jun 2025 18:13

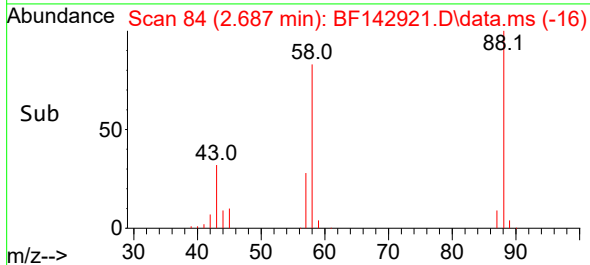
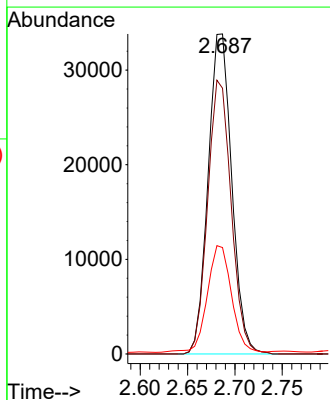
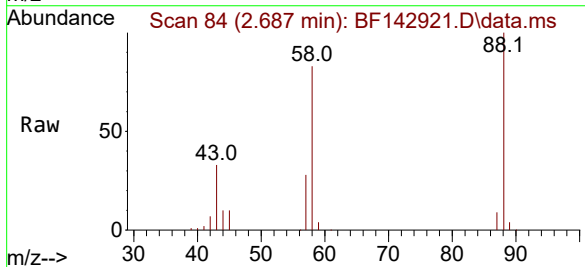
Instrument :
BNA_F
ClientSampleId :
MH-E/FMS

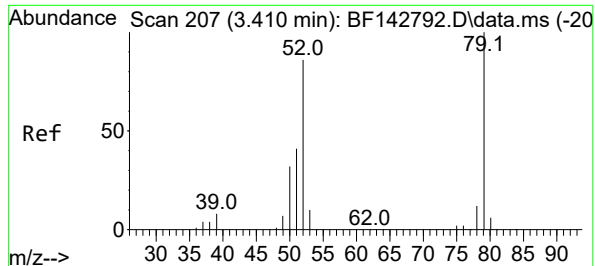
Tgt Ion:152 Resp: 63433
Ion Ratio Lower Upper
152 100
150 162.5 127.2 190.8
115 58.8 46.6 69.8



#2
1,4-Dioxane
Concen: 38.587 ng
RT: 2.687 min Scan# 84
Delta R.T. 0.047 min
Lab File: BF142921.D
Acq: 30 Jun 2025 18:13

Tgt Ion: 88 Resp: 58802
Ion Ratio Lower Upper
88 100
58 85.1 69.1 103.7
43 34.1 27.4 41.2

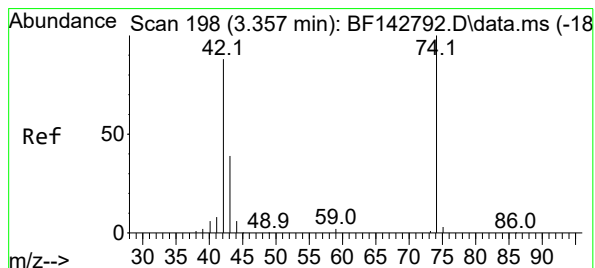
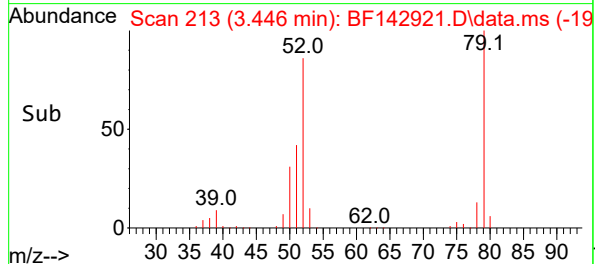
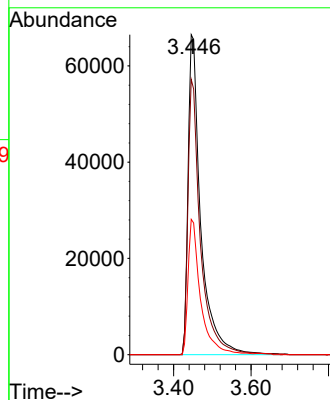
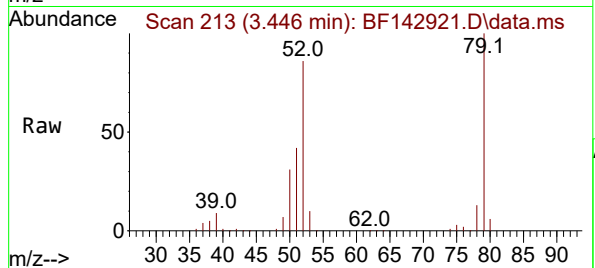




#3
Pyridine
Concen: 39.689 ng
RT: 3.446 min Scan# 21
Delta R.T. 0.035 min
Lab File: BF142921.D
Acq: 30 Jun 2025 18:13

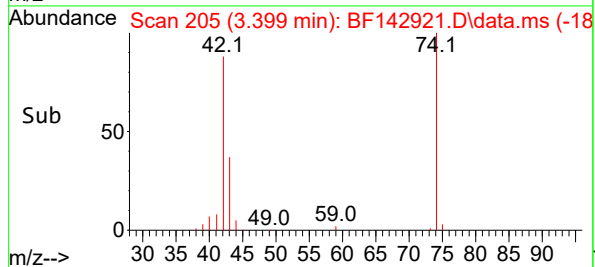
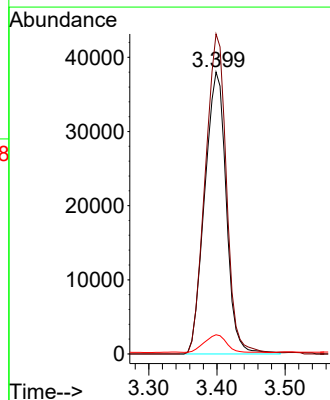
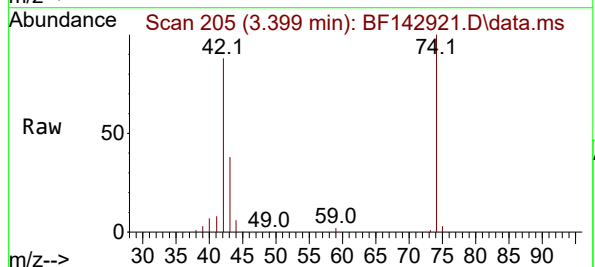
Instrument :
BNA_F
ClientSampleId :
MH-E/FMS

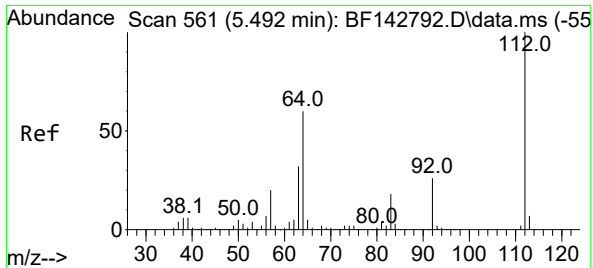
Tgt Ion: 79 Resp: 151626
Ion Ratio Lower Upper
79 100
52 86.0 69.2 103.8
51 42.3 33.2 49.8



#4
n-Nitrosodimethylamine
Concen: 42.307 ng
RT: 3.399 min Scan# 205
Delta R.T. 0.041 min
Lab File: BF142921.D
Acq: 30 Jun 2025 18:13

Tgt Ion: 42 Resp: 83581
Ion Ratio Lower Upper
42 100
74 113.5 90.9 136.3
44 6.8 5.8 8.6

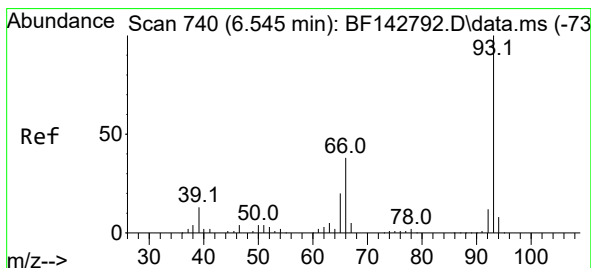
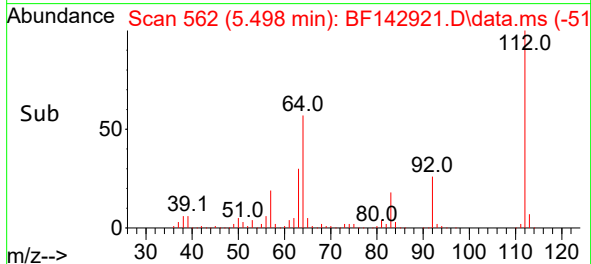
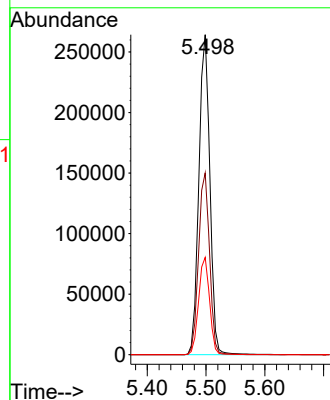
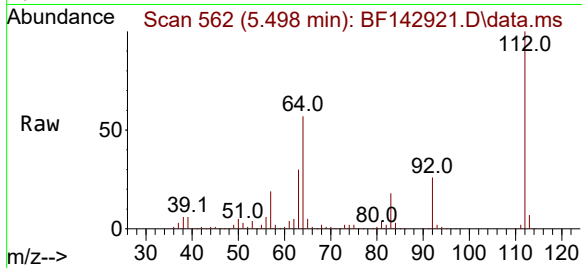




#5
2-Fluorophenol
Concen: 89.971 ng
RT: 5.498 min Scan# 501
Delta R.T. 0.006 min
Lab File: BF142921.D
Acq: 30 Jun 2025 18:13

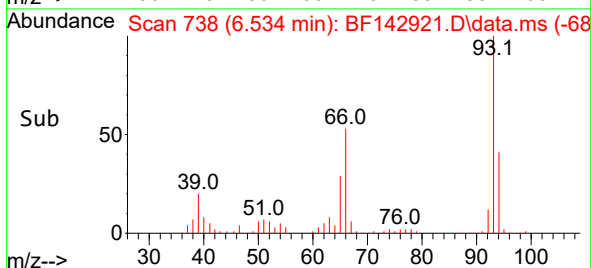
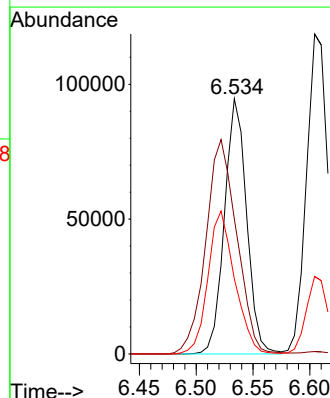
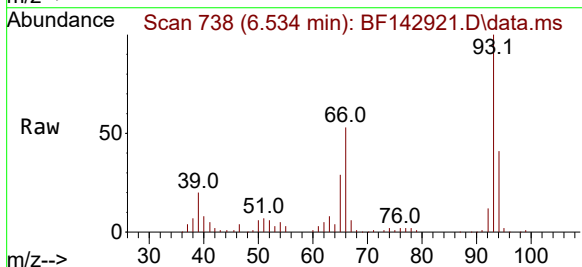
Instrument :
BNA_F
ClientSampleId :
MH-E/FMS

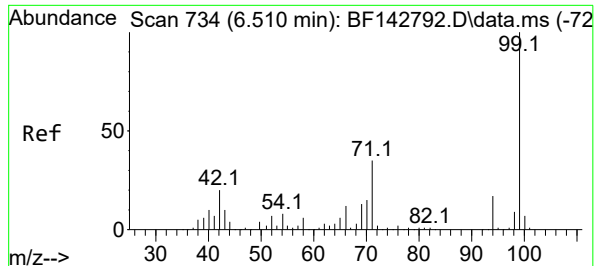
Tgt Ion:112 Resp: 342787
Ion Ratio Lower Upper
112 100
64 56.8 48.2 72.2
63 30.4 25.7 38.5



#6
Aniline
Concen: 21.513 ng
RT: 6.534 min Scan# 738
Delta R.T. -0.012 min
Lab File: BF142921.D
Acq: 30 Jun 2025 18:13

Tgt Ion: 93 Resp: 128671
Ion Ratio Lower Upper
93 100
66 52.9 31.8 47.6#
65 29.4 16.2 24.2#

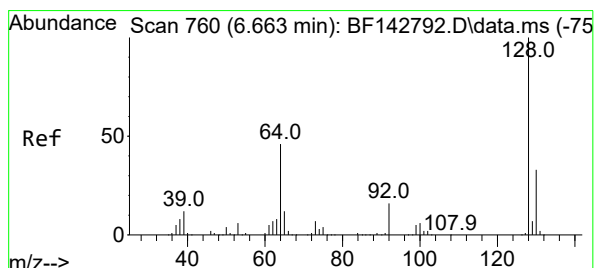
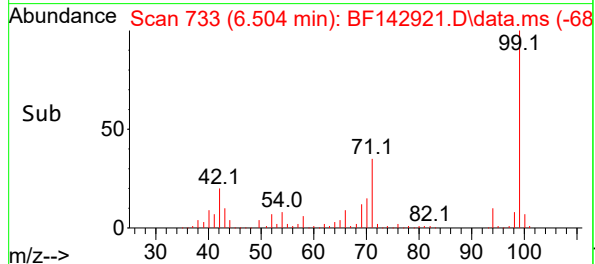
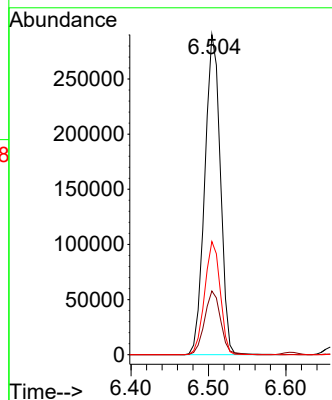
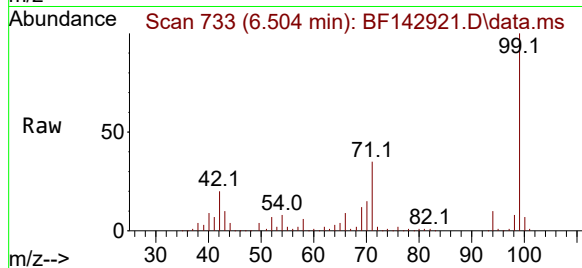




#7
Phenol-d6
Concen: 90.345 ng
RT: 6.504 min Scan# 711
Delta R.T. -0.006 min
Lab File: BF142921.D
Acq: 30 Jun 2025 18:13

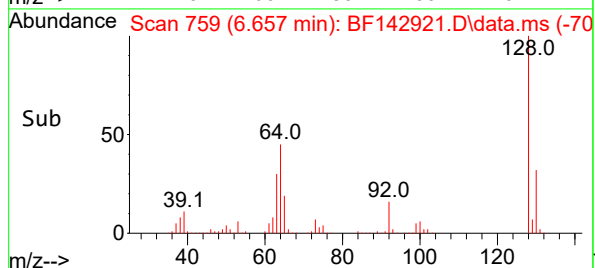
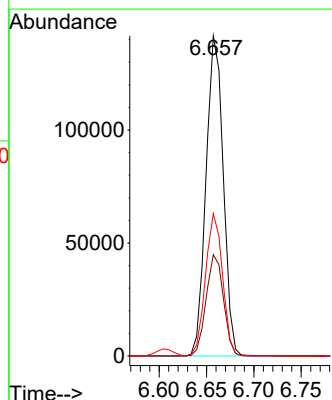
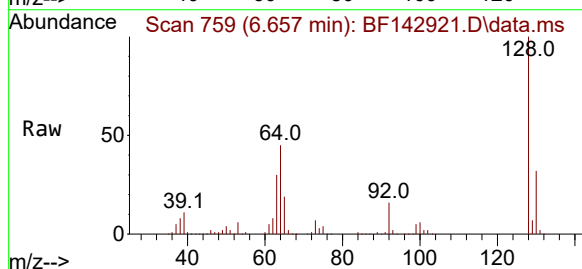
Instrument :
BNA_F
ClientSampleId :
MH-E/FMS

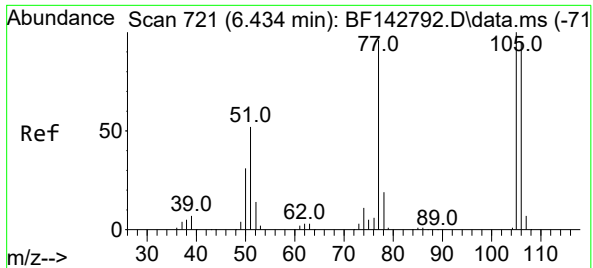
Tgt Ion: 99 Resp: 406100
Ion Ratio Lower Upper
99 100
42 19.9 15.9 23.9
71 35.3 27.8 41.8



#8
2-Chlorophenol
Concen: 43.569 ng
RT: 6.657 min Scan# 759
Delta R.T. -0.006 min
Lab File: BF142921.D
Acq: 30 Jun 2025 18:13

Tgt Ion: 128 Resp: 179061
Ion Ratio Lower Upper
128 100
130 31.6 12.7 52.7
64 44.5 26.5 66.5

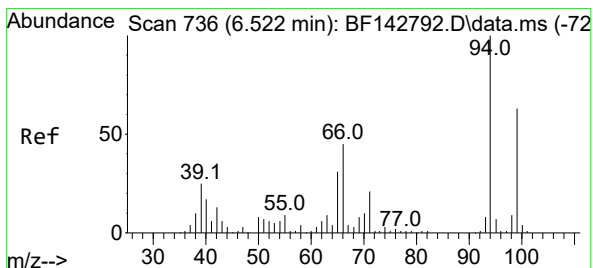
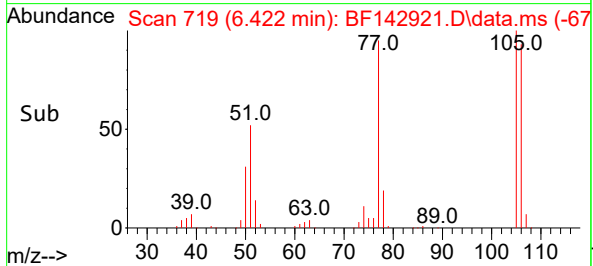
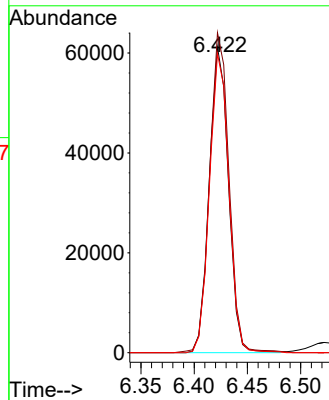
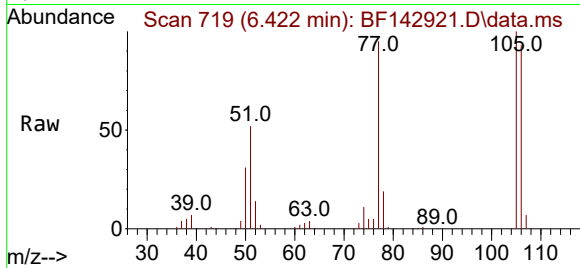




#9
Benzaldehyde
Concen: 28.723 ng
RT: 6.422 min Scan# 719
Delta R.T. -0.012 min
Lab File: BF142921.D
Acq: 30 Jun 2025 18:13

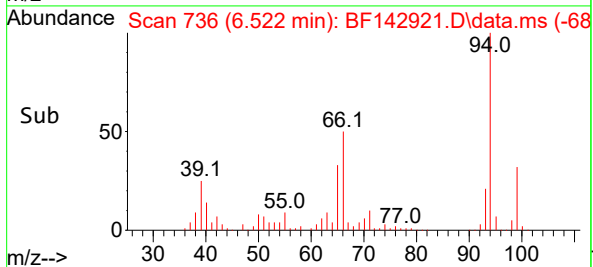
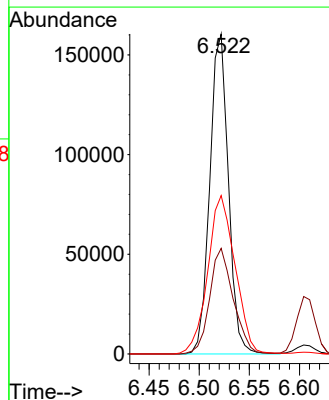
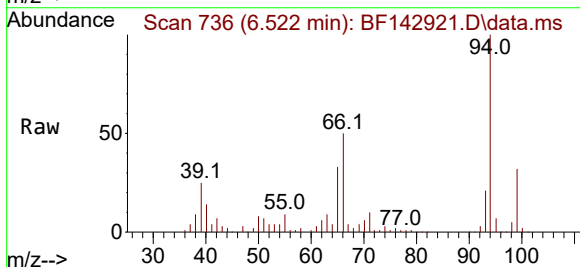
Instrument :
BNA_F
ClientSampleId :
MH-E/FMS

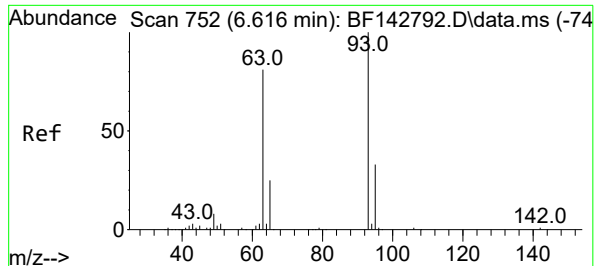
Tgt Ion: 77 Resp: 76599
Ion Ratio Lower Upper
77 100
105 104.7 83.8 123.8
106 97.9 78.7 118.7



#10
Phenol
Concen: 41.506 ng
RT: 6.522 min Scan# 736
Delta R.T. 0.000 min
Lab File: BF142921.D
Acq: 30 Jun 2025 18:13

Tgt Ion: 94 Resp: 207385
Ion Ratio Lower Upper
94 100
65 33.0 11.3 51.3
66 49.5 24.9 64.9

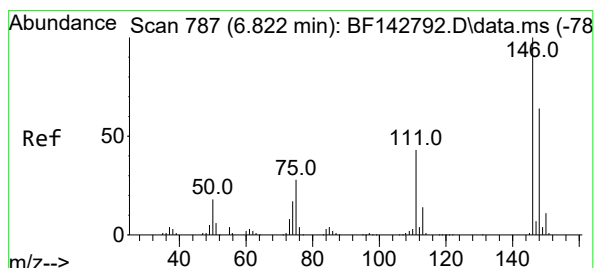
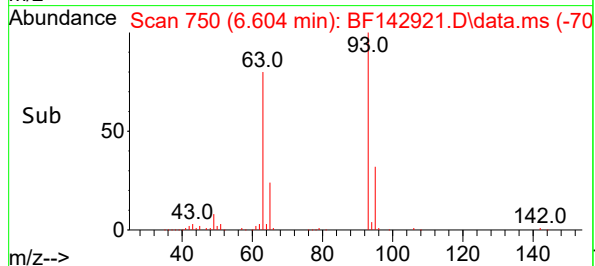
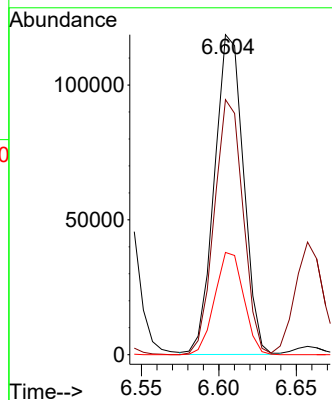
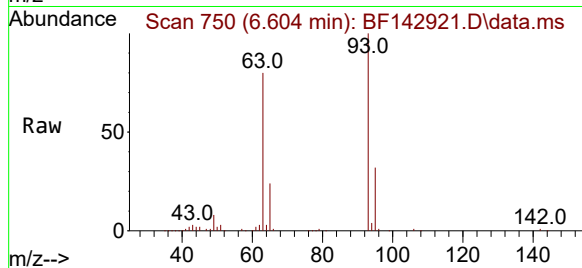




#11
 bis(2-Chloroethyl)ether
 Concen: 43.448 ng
 RT: 6.604 min Scan# 750
 Delta R.T. -0.012 min
 Lab File: BF142921.D
 Acq: 30 Jun 2025 18:13

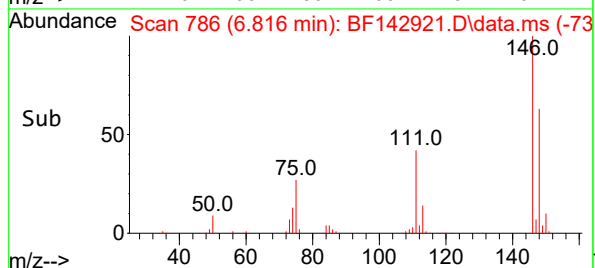
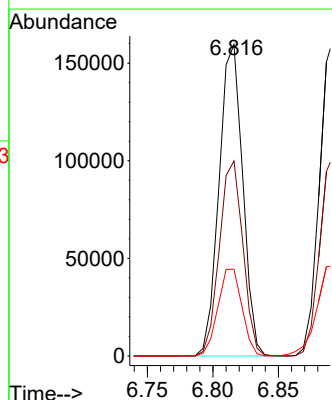
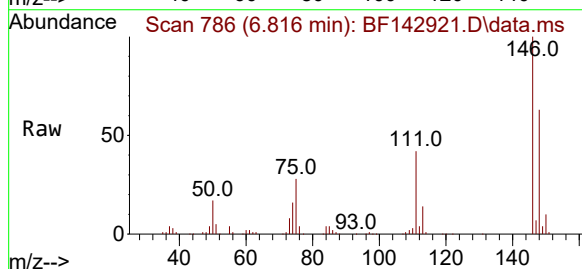
Instrument :
 BNA_F
 ClientSampleId :
 MH-E/FMS

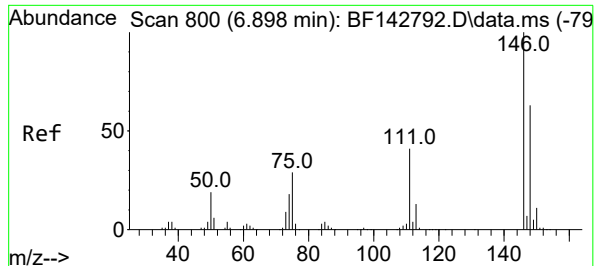
Tgt Ion: 93 Resp: 155158
 Ion Ratio Lower Upper
 93 100
 63 79.7 60.3 100.3
 95 32.0 12.5 52.5



#12
 1,3-Dichlorobenzene
 Concen: 43.430 ng
 RT: 6.816 min Scan# 786
 Delta R.T. -0.006 min
 Lab File: BF142921.D
 Acq: 30 Jun 2025 18:13

Tgt Ion:146 Resp: 199622
 Ion Ratio Lower Upper
 146 100
 148 62.7 51.1 76.7
 75 27.9 22.7 34.1





#13

1,4-Dichlorobenzene

Concen: 43.831 ng

RT: 6.892 min Scan# 79

Delta R.T. -0.006 min

Lab File: BF142921.D

Acq: 30 Jun 2025 18:13

Instrument :

BNA_F

ClientSampleId :

MH-E/FMS

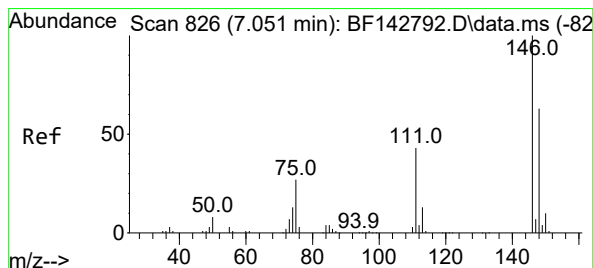
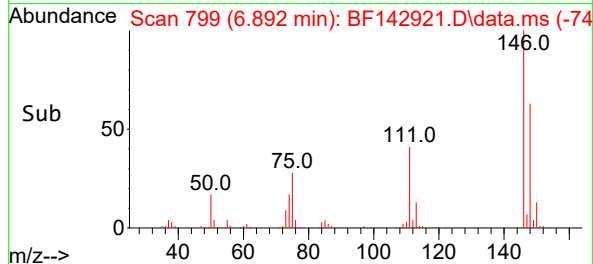
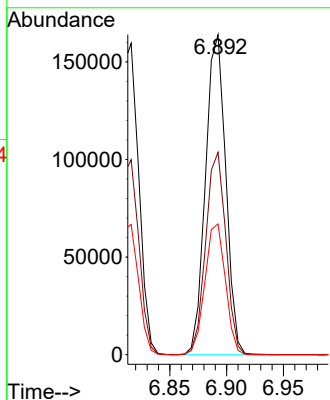
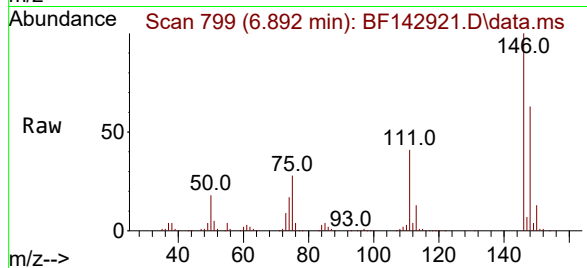
Tgt Ion:146 Resp: 203262

Ion Ratio Lower Upper

146 100

148 63.3 50.2 75.2

111 40.9 33.2 49.8



#14

1,2-Dichlorobenzene

Concen: 43.330 ng

RT: 7.045 min Scan# 825

Delta R.T. -0.006 min

Lab File: BF142921.D

Acq: 30 Jun 2025 18:13

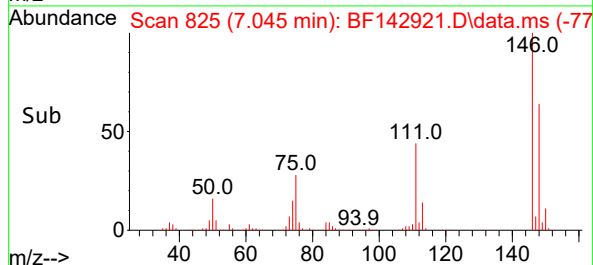
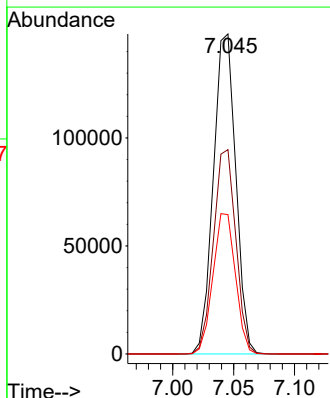
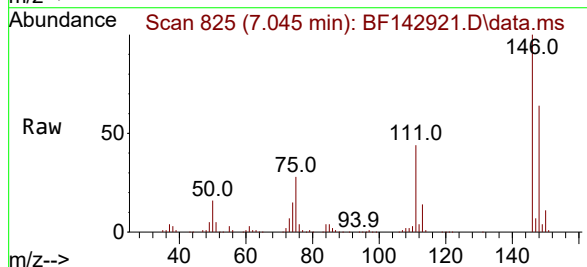
Tgt Ion:146 Resp: 190588

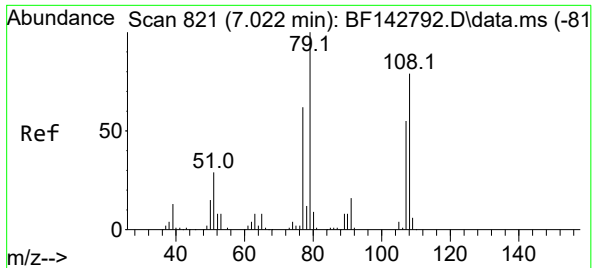
Ion Ratio Lower Upper

146 100

148 63.9 50.4 75.6

111 43.5 34.1 51.1





#15

Benzyl Alcohol

Concen: 43.908 ng

RT: 7.016 min Scan# 81

Delta R.T. -0.006 min

Lab File: BF142921.D

Acq: 30 Jun 2025 18:13

Instrument :

BNA_F

ClientSampleId :

MH-E/FMS

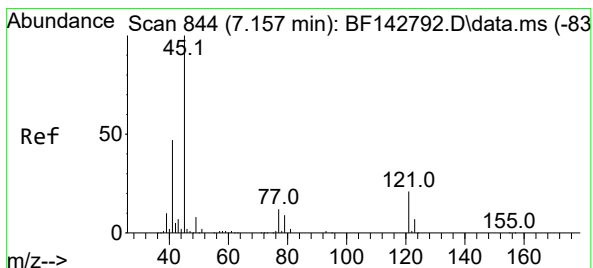
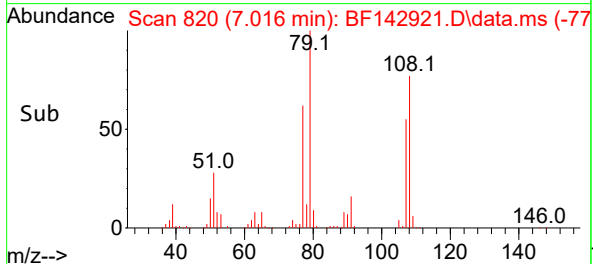
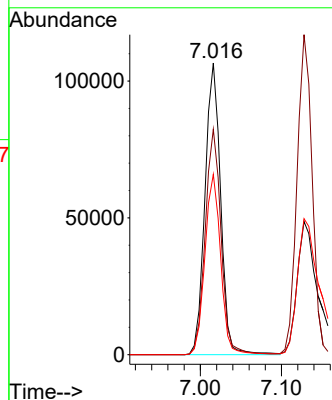
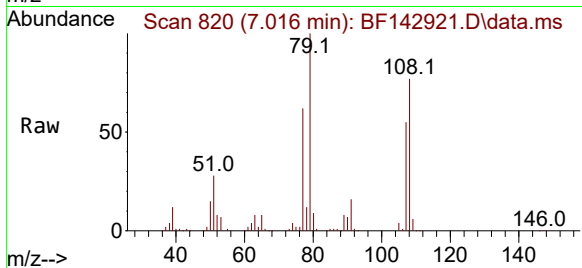
Tgt Ion: 79 Resp: 142684

Ion Ratio Lower Upper

79 100

108 77.3 63.4 95.0

77 61.8 49.5 74.3



#16

2,2'-oxybis(1-Chloropropane)

Concen: 40.646 ng

RT: 7.145 min Scan# 842

Delta R.T. -0.012 min

Lab File: BF142921.D

Acq: 30 Jun 2025 18:13

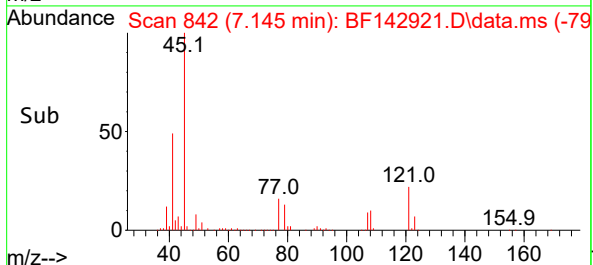
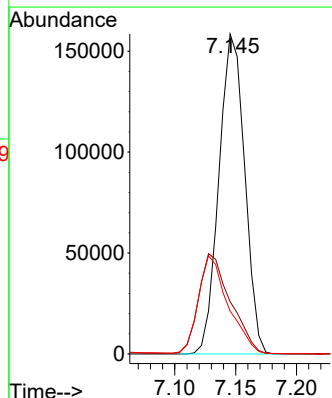
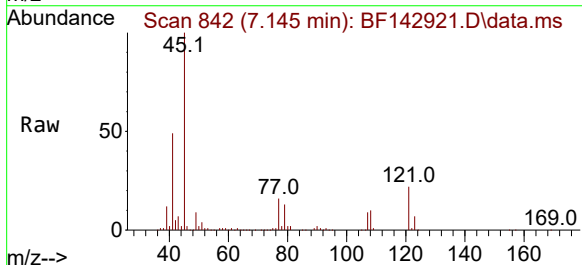
Tgt Ion: 45 Resp: 233207

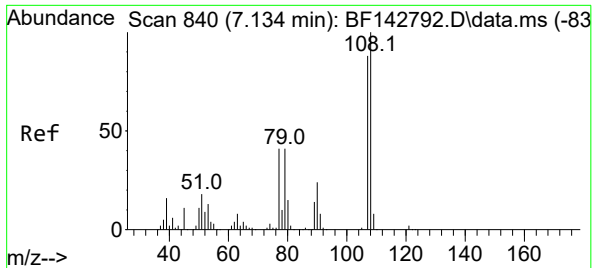
Ion Ratio Lower Upper

45 100

77 16.4 0.0 32.8

79 13.4 0.0 29.8

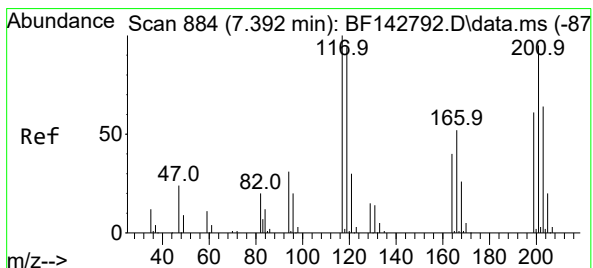
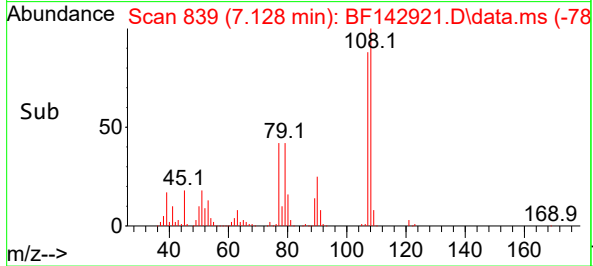
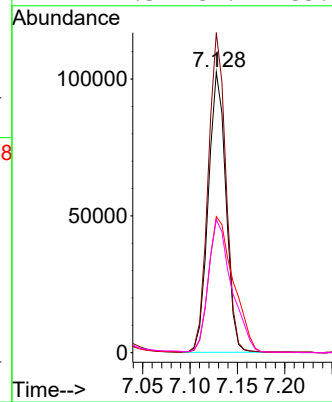
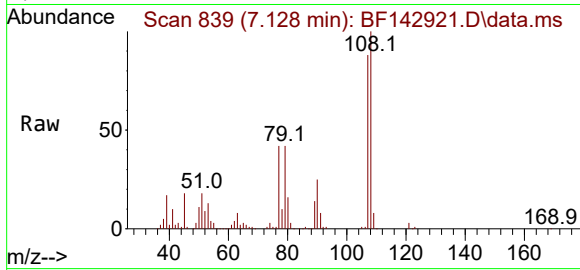




#17
2-Methylphenol
Concen: 42.468 ng
RT: 7.128 min Scan# 81
Delta R.T. -0.006 min
Lab File: BF142921.D
Acq: 30 Jun 2025 18:13

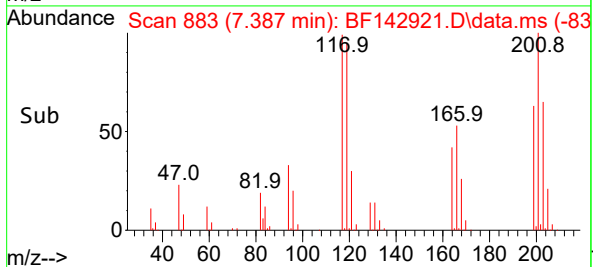
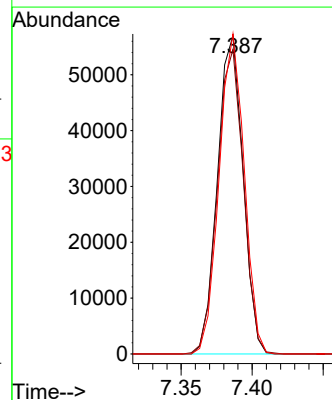
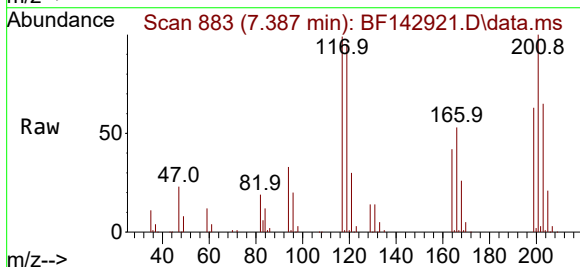
Instrument :
BNA_F
ClientSampleId :
MH-E/FMS

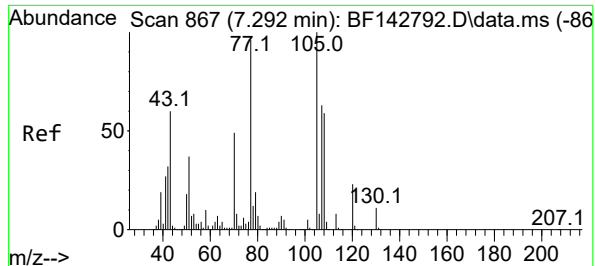
Tgt Ion:107 Resp: 132266
Ion Ratio Lower Upper
107 100
108 114.1 90.9 136.3
77 48.5 37.3 55.9
79 47.5 37.2 55.8



#18
Hexachloroethane
Concen: 44.043 ng
RT: 7.387 min Scan# 883
Delta R.T. -0.006 min
Lab File: BF142921.D
Acq: 30 Jun 2025 18:13

Tgt Ion:117 Resp: 71440
Ion Ratio Lower Upper
117 100
119 95.7 75.4 113.0
201 100.5 75.9 113.9





#19

n-Nitroso-di-n-propylamine

Concen: 43.619 ng

RT: 7.287 min Scan# 8

Delta R.T. -0.006 min

Lab File: BF142921.D

Acq: 30 Jun 2025 18:13

Instrument :

BNA_F

ClientSampleId :

MH-E/FMS

Tgt Ion: 70 Resp: 114033

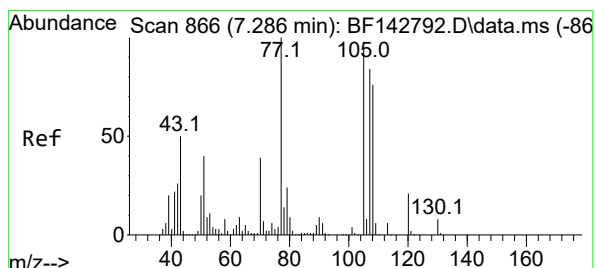
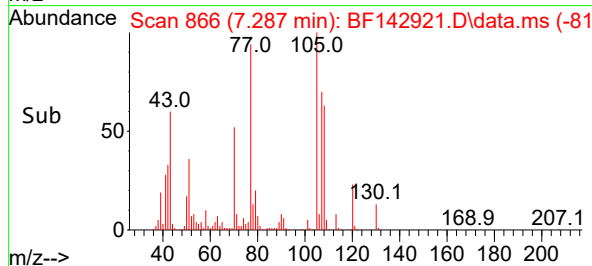
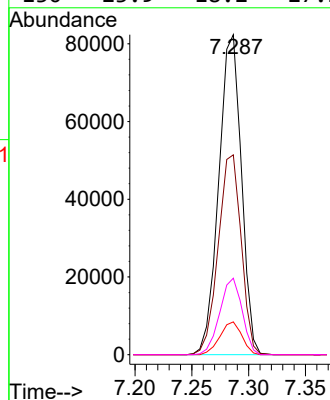
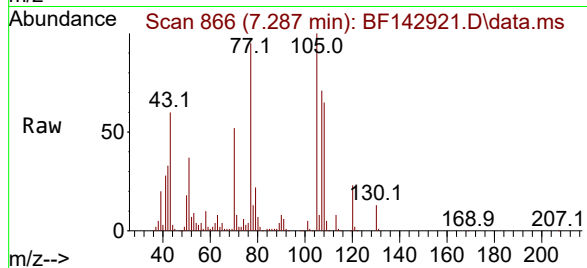
Ion Ratio Lower Upper

70 100

42 62.5 52.1 78.1

101 10.3 8.2 12.2

130 23.9 18.2 27.2



#20

3+4-Methylphenols

Concen: 44.085 ng

RT: 7.281 min Scan# 865

Delta R.T. -0.006 min

Lab File: BF142921.D

Acq: 30 Jun 2025 18:13

Tgt Ion:107 Resp: 171195

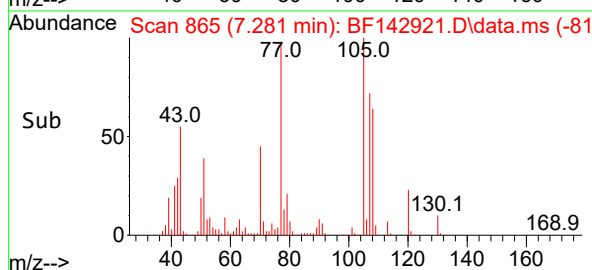
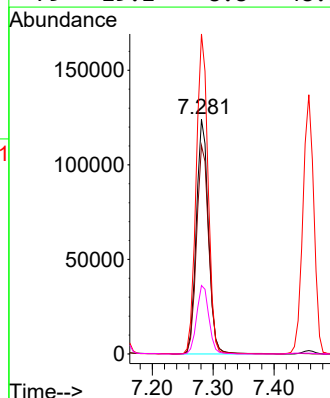
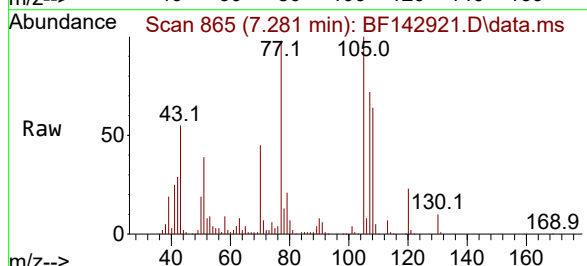
Ion Ratio Lower Upper

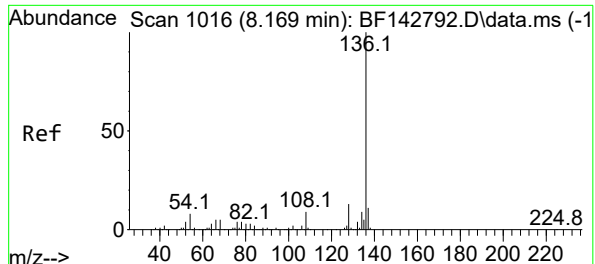
107 100

108 88.9 70.0 110.0

77 136.4 98.5 138.5

79 29.2 8.8 48.8





#21

Naphthalene-d8

Concen: 20.000 ng

RT: 8.157 min Scan# 1014

Delta R.T. -0.012 min

Lab File: BF142921.D

Acq: 30 Jun 2025 18:13

Instrument :

BNA_F

ClientSampleId :

MH-E/FMS

Tgt Ion:136 Resp: 239823

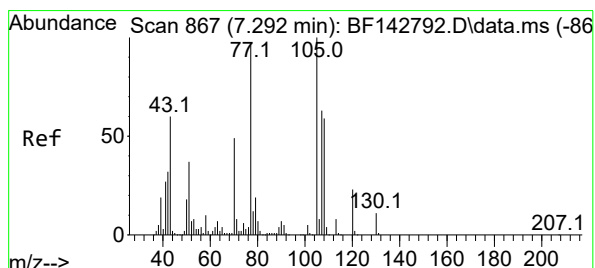
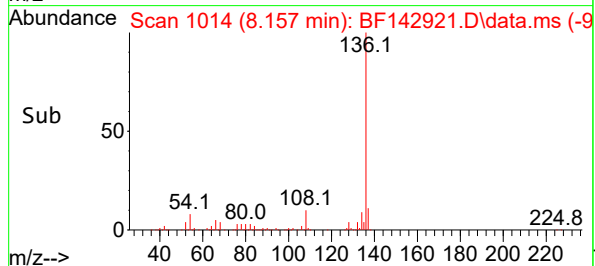
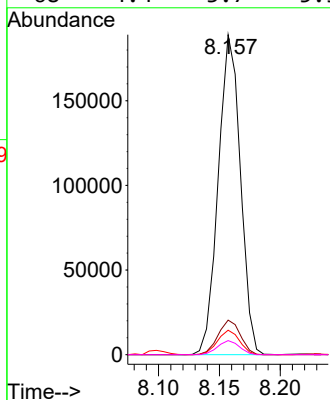
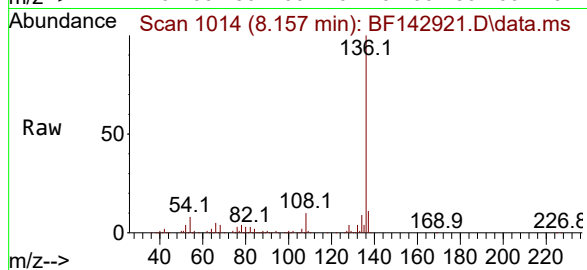
Ion Ratio Lower Upper

136 100

137 10.8 8.4 12.6

54 7.7 6.3 9.5

68 4.4 3.7 5.5



#22

Acetophenone

Concen: 44.247 ng

RT: 7.281 min Scan# 865

Delta R.T. -0.012 min

Lab File: BF142921.D

Acq: 30 Jun 2025 18:13

Tgt Ion:105 Resp: 234000

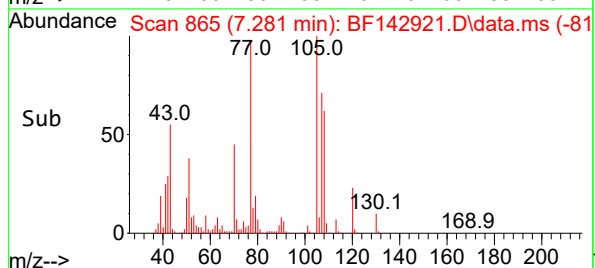
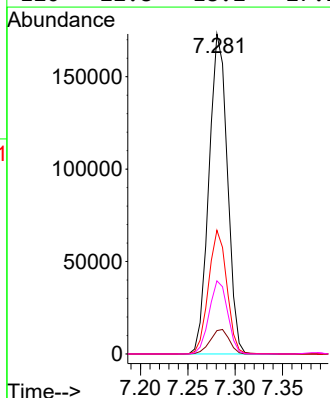
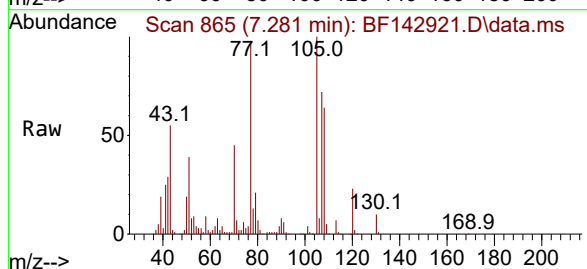
Ion Ratio Lower Upper

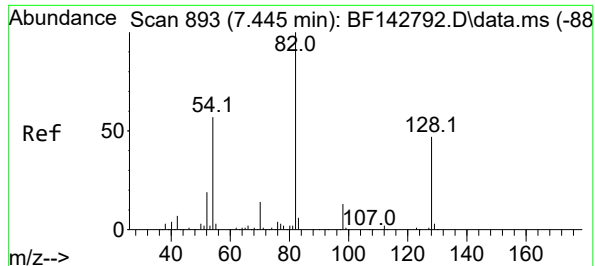
105 100

71 7.3 6.5 9.7

51 38.6 29.8 44.8

120 22.8 18.2 27.2





#23

Nitrobenzene-d5

Concen: 57.031 ng

RT: 7.439 min Scan# 892

Delta R.T. -0.006 min

Lab File: BF142921.D

Acq: 30 Jun 2025 18:13

Instrument :

BNA_F

ClientSampleId :

MH-E/FMS

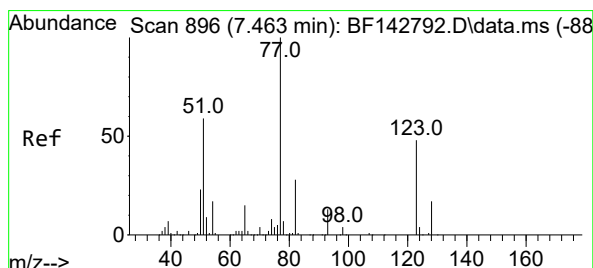
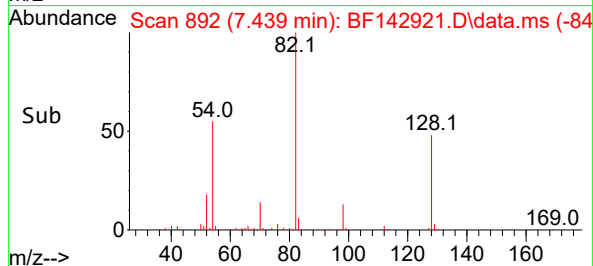
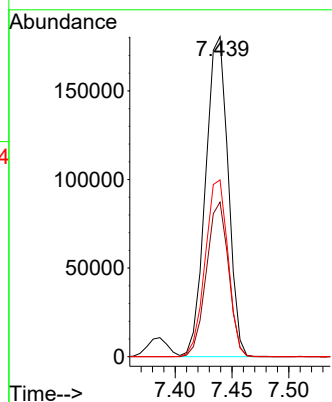
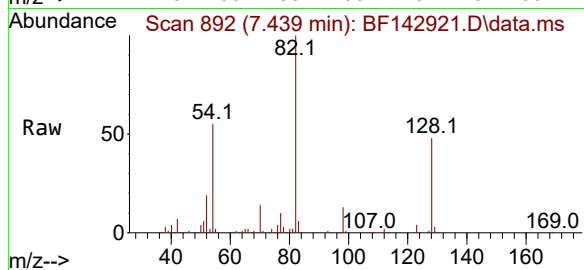
Tgt Ion: 82 Resp: 249355

Ion Ratio Lower Upper

82 100

128 48.3 37.7 56.5

54 55.2 45.7 68.5



#24

Nitrobenzene

Concen: 43.232 ng

RT: 7.457 min Scan# 895

Delta R.T. -0.006 min

Lab File: BF142921.D

Acq: 30 Jun 2025 18:13

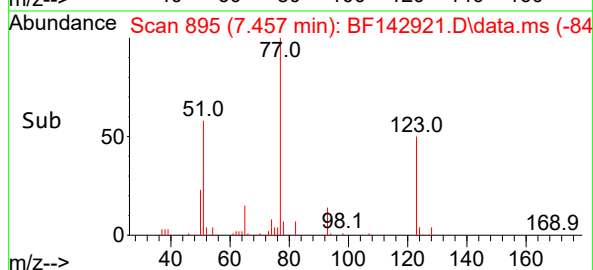
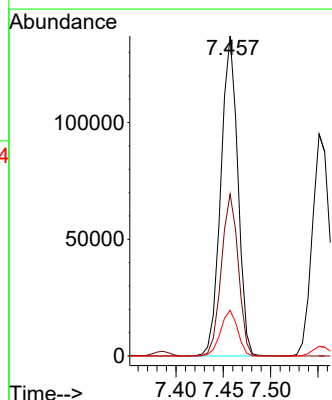
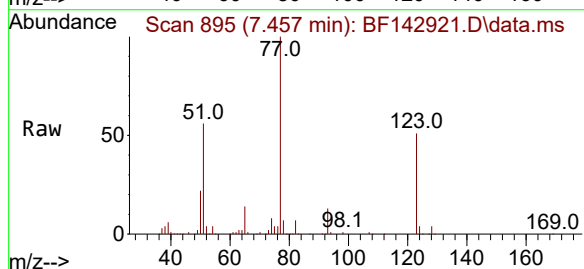
Tgt Ion: 77 Resp: 171083

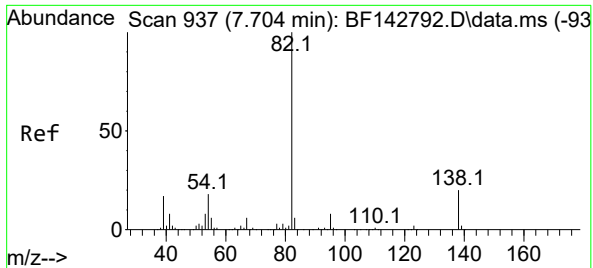
Ion Ratio Lower Upper

77 100

123 50.6 39.2 58.8

65 14.3 11.6 17.4

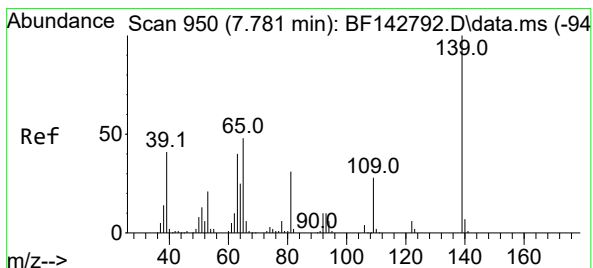
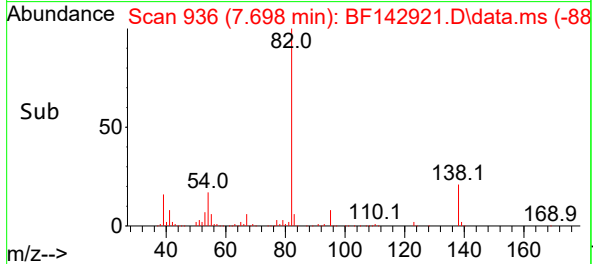
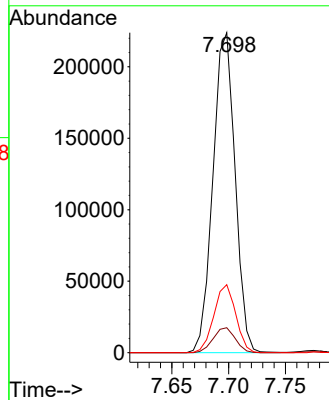
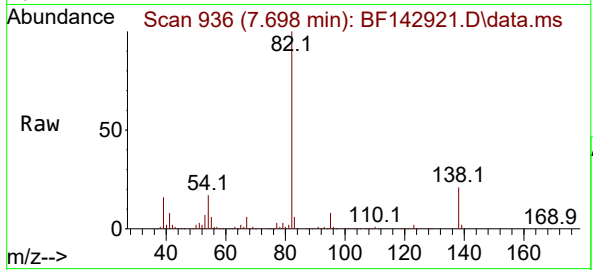




#25
Isophorone
Concen: 43.282 ng
RT: 7.698 min Scan# 91
Delta R.T. -0.006 min
Lab File: BF142921.D
Acq: 30 Jun 2025 18:13

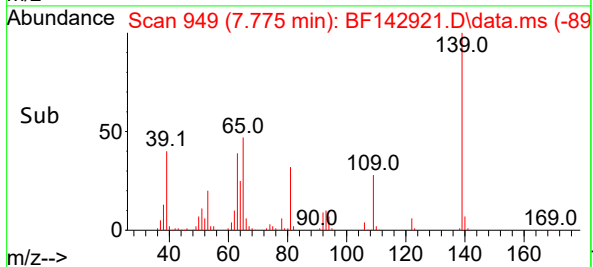
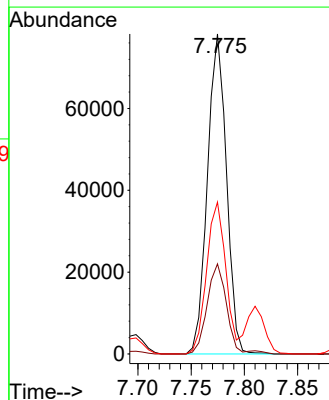
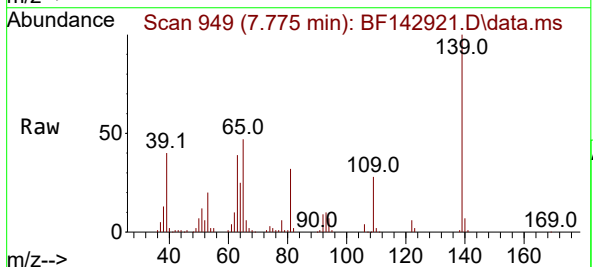
Instrument :
BNA_F
ClientSampleId :
MH-E/FMS

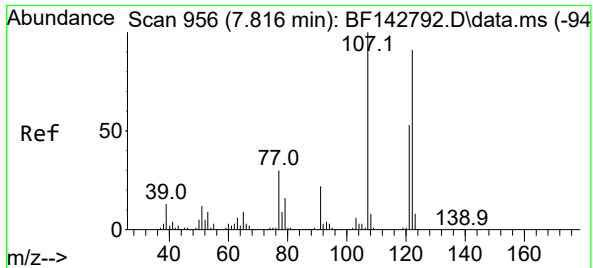
Tgt Ion: 82 Resp: 303572
Ion Ratio Lower Upper
82 100
95 7.8 6.2 9.2
138 21.3 16.2 24.4



#26
2-Nitrophenol
Concen: 45.065 ng
RT: 7.775 min Scan# 949
Delta R.T. -0.006 min
Lab File: BF142921.D
Acq: 30 Jun 2025 18:13

Tgt Ion: 139 Resp: 97148
Ion Ratio Lower Upper
139 100
109 28.1 22.7 34.1
65 47.5 38.6 58.0





#27

2,4-Dimethylphenol

Concen: 42.174 ng

RT: 7.810 min Scan# 91

Delta R.T. -0.006 min

Lab File: BF142921.D

Acq: 30 Jun 2025 18:13

Instrument :

BNA_F

ClientSampleId :

MH-E/FMS

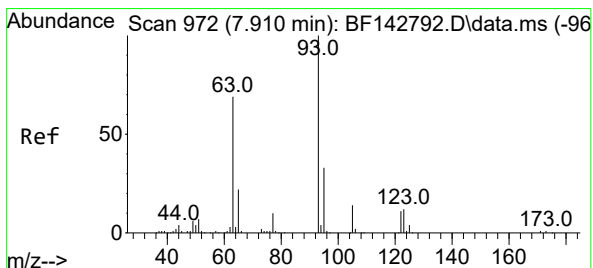
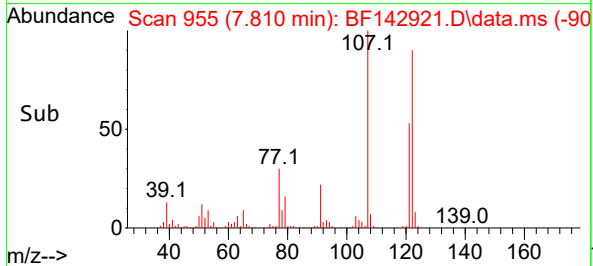
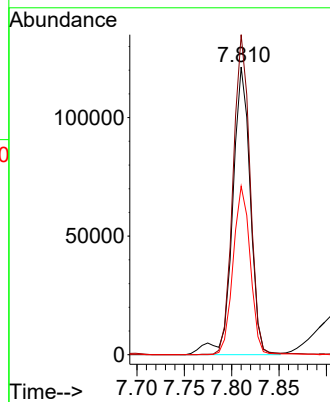
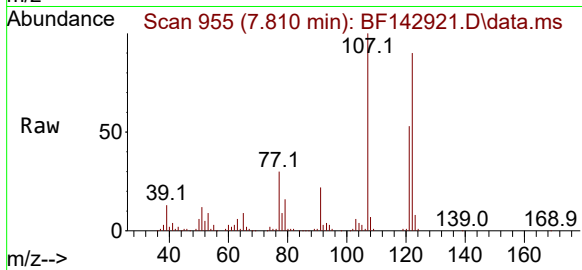
Tgt Ion:122 Resp: 157482

Ion Ratio Lower Upper

122 100

107 111.3 88.0 132.0

121 58.6 46.3 69.5



#28

bis(2-Chloroethoxy)methane

Concen: 43.541 ng

RT: 7.904 min Scan# 971

Delta R.T. -0.006 min

Lab File: BF142921.D

Acq: 30 Jun 2025 18:13

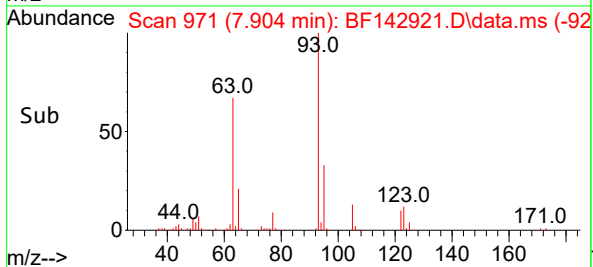
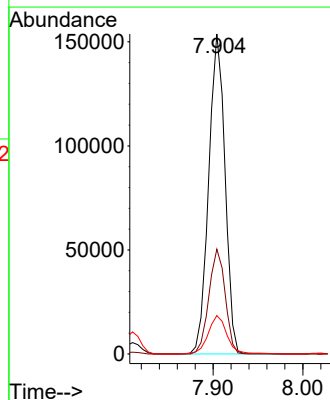
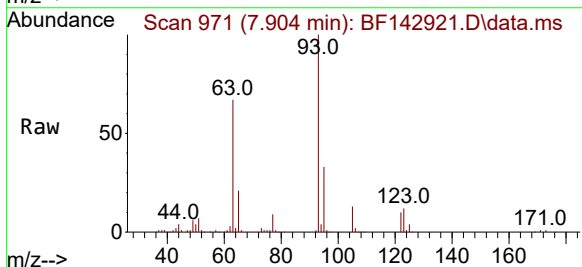
Tgt Ion: 93 Resp: 194151

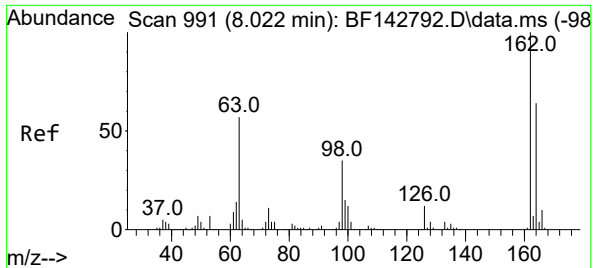
Ion Ratio Lower Upper

93 100

95 32.8 26.2 39.2

123 12.0 9.9 14.9





#29

2,4-Dichlorophenol

Concen: 43.350 ng

RT: 8.016 min Scan# 991

Delta R.T. -0.006 min

Lab File: BF142921.D

Acq: 30 Jun 2025 18:13

Instrument :

BNA_F

ClientSampleId :

MH-E/FMS

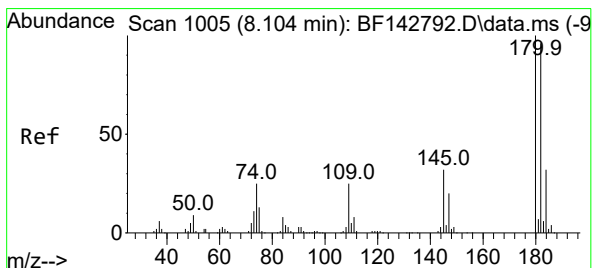
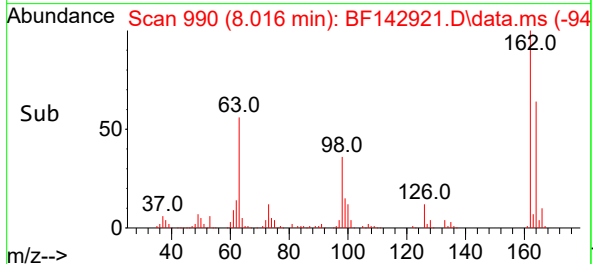
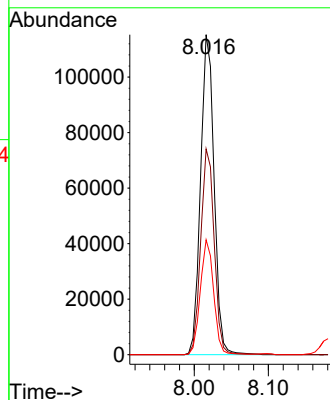
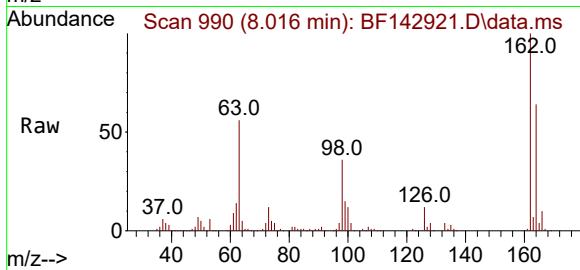
Tgt Ion:162 Resp: 146774

Ion Ratio Lower Upper

162 100

164 64.3 44.0 84.0

98 35.9 15.4 55.4



#30

1,2,4-Trichlorobenzene

Concen: 43.159 ng

RT: 8.098 min Scan# 1004

Delta R.T. -0.006 min

Lab File: BF142921.D

Acq: 30 Jun 2025 18:13

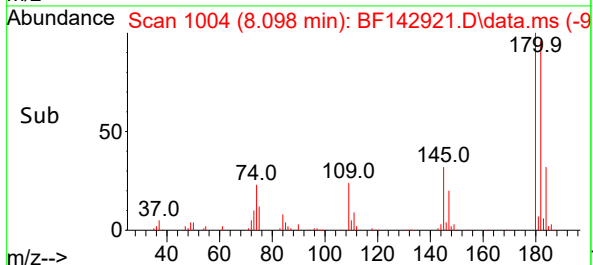
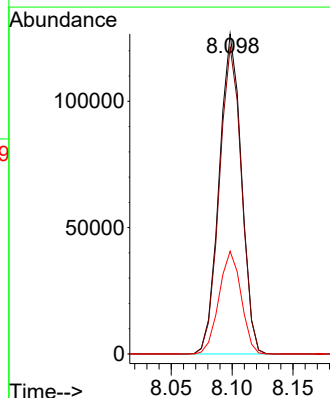
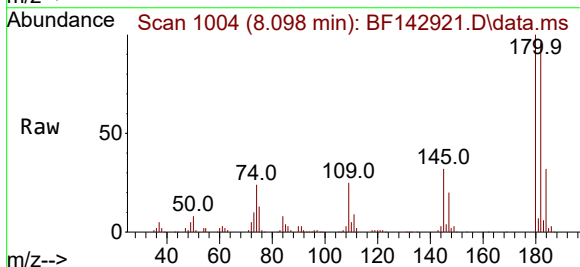
Tgt Ion:180 Resp: 160684

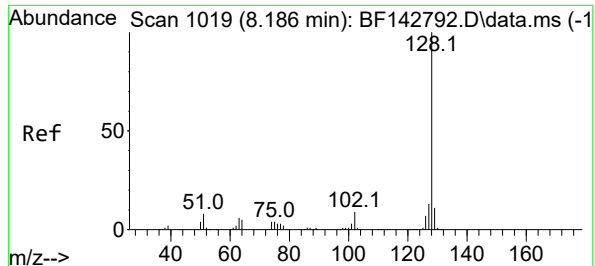
Ion Ratio Lower Upper

180 100

182 95.9 76.4 114.6

145 32.1 25.8 38.8





#31

Naphthalene

Concen: 43.469 ng

RT: 8.181 min Scan# 1019

Delta R.T. -0.006 min

Lab File: BF142921.D

Acq: 30 Jun 2025 18:13

Instrument :

BNA_F

ClientSampleId :

MH-E/FMS

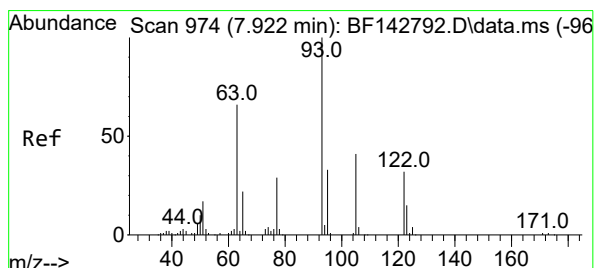
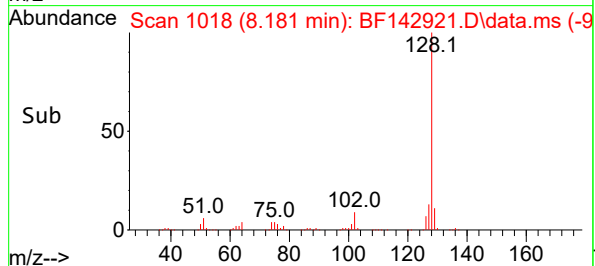
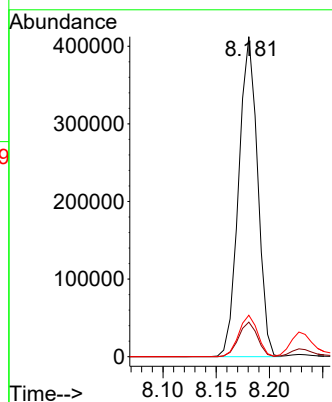
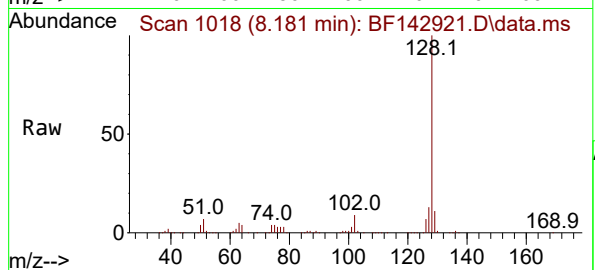
Tgt Ion:128 Resp: 510282

Ion Ratio Lower Upper

128 100

129 10.8 8.9 13.3

127 13.0 10.4 15.6



#32

Benzoic acid

Concen: 33.985 ng

RT: 7.922 min Scan# 974

Delta R.T. 0.000 min

Lab File: BF142921.D

Acq: 30 Jun 2025 18:13

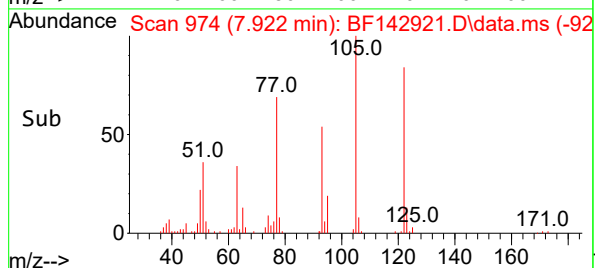
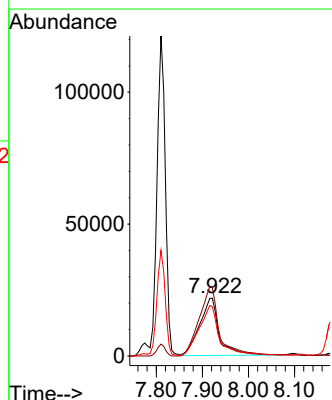
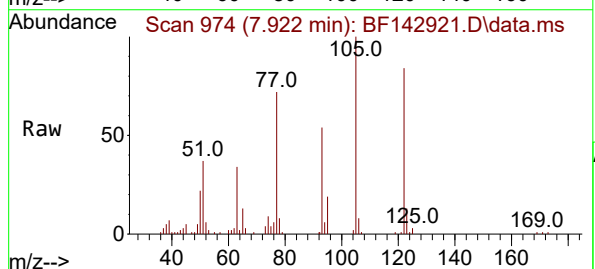
Tgt Ion:122 Resp: 64680

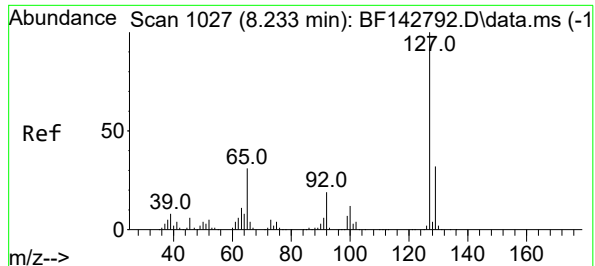
Ion Ratio Lower Upper

122 100

105 118.6 104.7 144.7

77 85.5 70.2 110.2





#33

4-Chloroaniline

Concen: 11.136 ng

RT: 8.228 min Scan# 1026

Delta R.T. -0.006 min

Lab File: BF142921.D

Acq: 30 Jun 2025 18:13

Instrument :

BNA_F

ClientSampleId :

MH-E/FMS

Tgt Ion:127 Resp: 53156

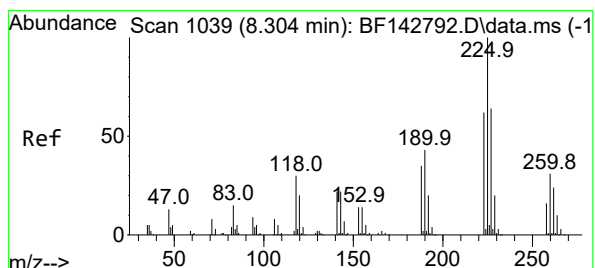
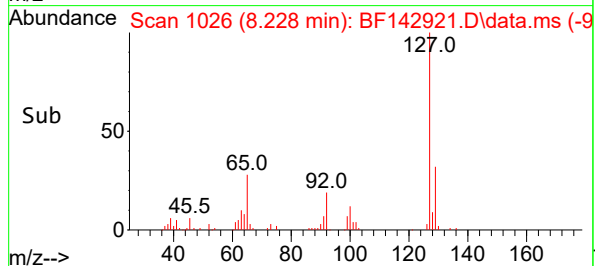
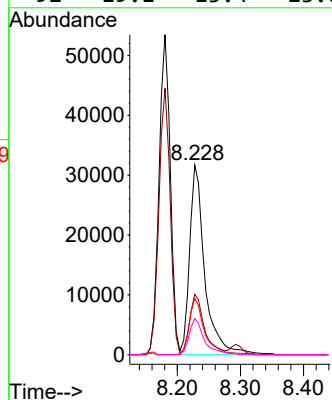
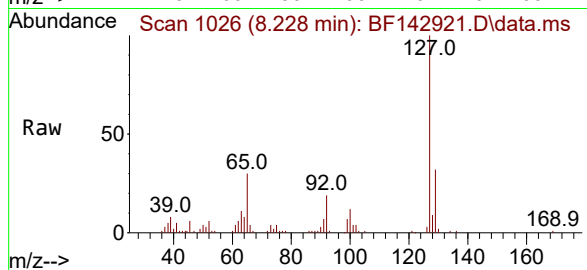
Ion Ratio Lower Upper

127 100

129 31.9 25.9 38.9

65 29.7 24.6 36.8

92 19.1 15.4 23.0



#34

Hexachlorobutadiene

Concen: 44.049 ng

RT: 8.292 min Scan# 1037

Delta R.T. -0.012 min

Lab File: BF142921.D

Acq: 30 Jun 2025 18:13

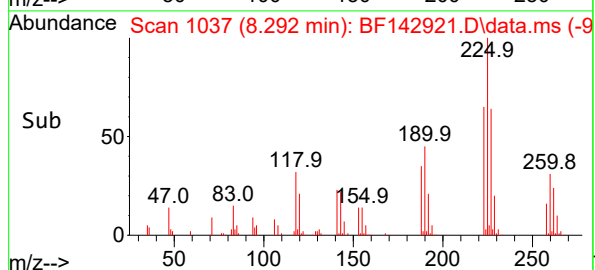
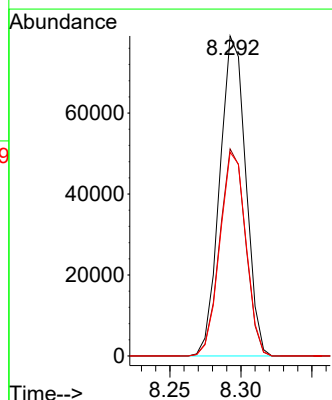
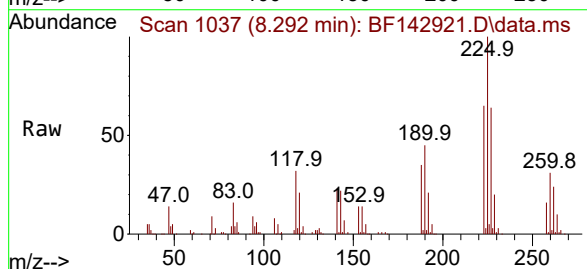
Tgt Ion:225 Resp: 100314

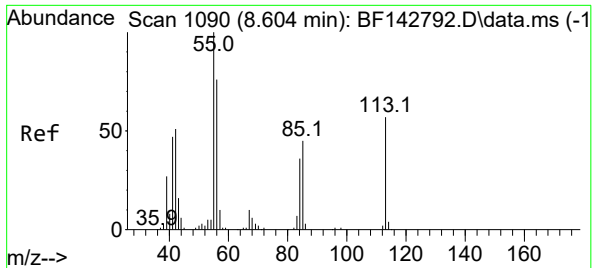
Ion Ratio Lower Upper

225 100

223 64.7 49.9 74.9

227 63.7 51.4 77.0





#35

Caprolactam

Concen: 46.332 ng

RT: 8.598 min Scan# 1089

Delta R.T. -0.006 min

Lab File: BF142921.D

Acq: 30 Jun 2025 18:13

Instrument :

BNA_F

ClientSampleId :

MH-E/FMS

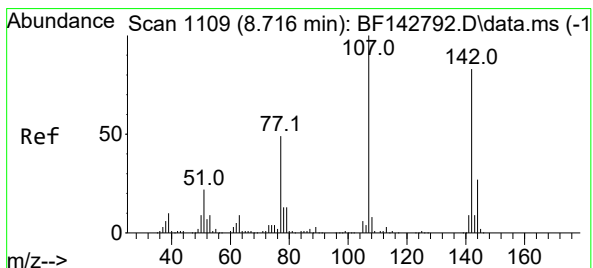
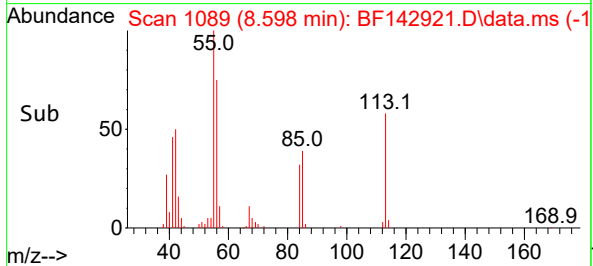
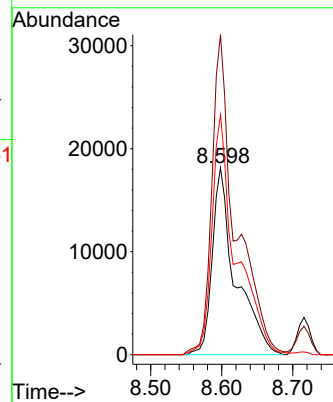
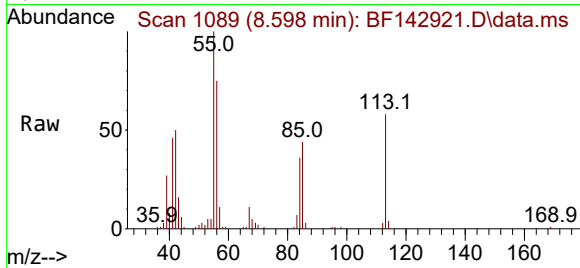
Tgt Ion:113 Resp: 41394

Ion Ratio Lower Upper

113 100

55 171.2 154.4 194.4

56 128.3 112.1 152.1



#36

4-Chloro-3-methylphenol

Concen: 43.083 ng

RT: 8.716 min Scan# 1109

Delta R.T. 0.000 min

Lab File: BF142921.D

Acq: 30 Jun 2025 18:13

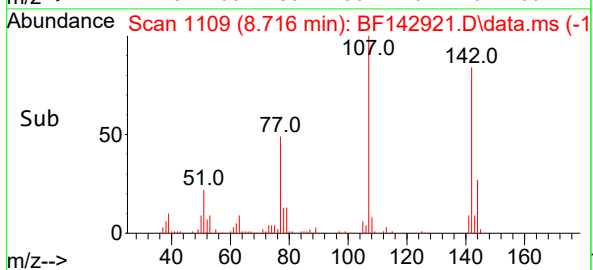
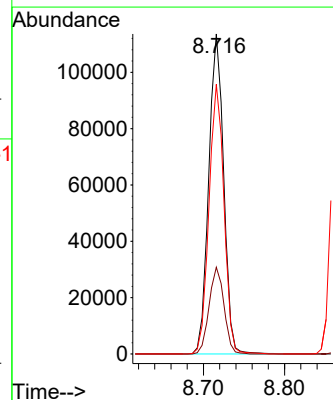
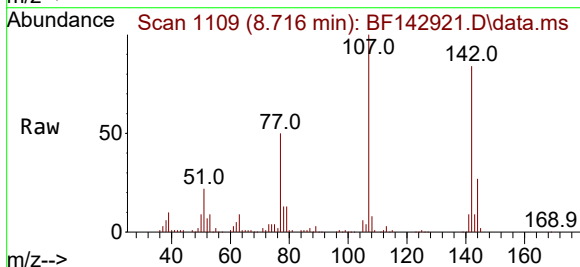
Tgt Ion:107 Resp: 144971

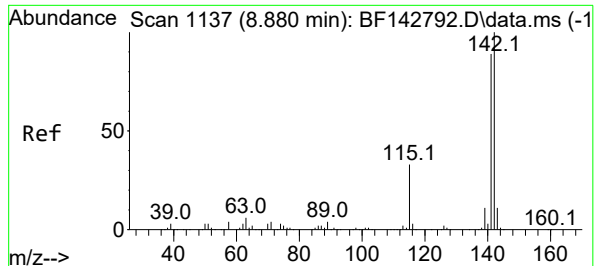
Ion Ratio Lower Upper

107 100

144 27.1 21.3 31.9

142 84.2 66.6 100.0

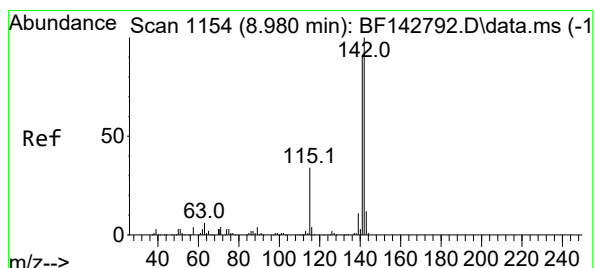
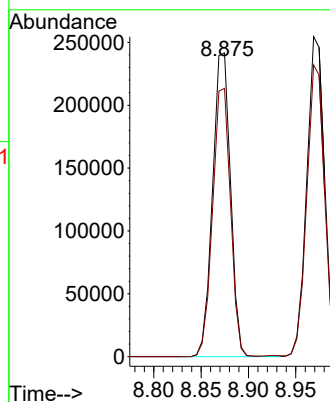
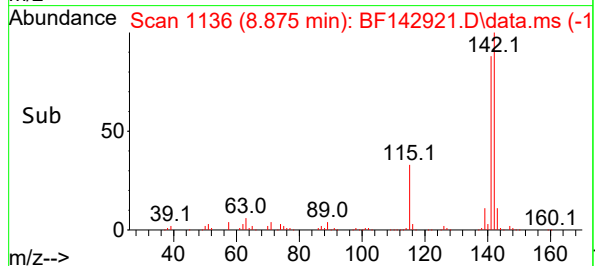
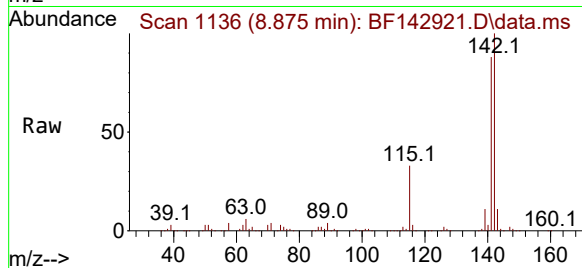




#37
2-Methylnaphthalene
Concen: 43.672 ng
RT: 8.875 min Scan# 1136
Delta R.T. -0.006 min
Lab File: BF142921.D
Acq: 30 Jun 2025 18:13

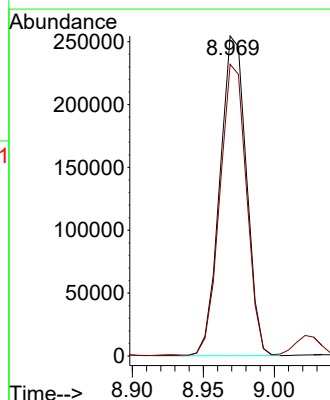
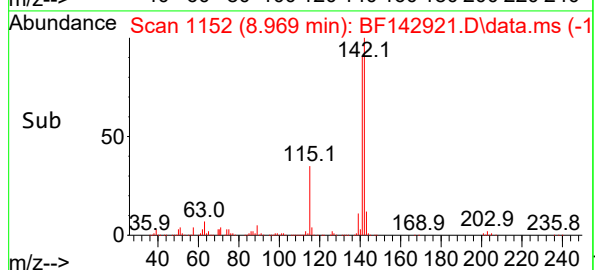
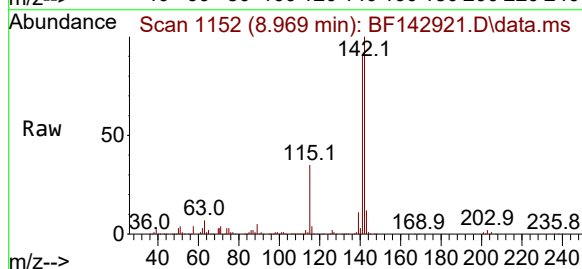
Instrument :
BNA_F
ClientSampleId :
MH-E/FMS

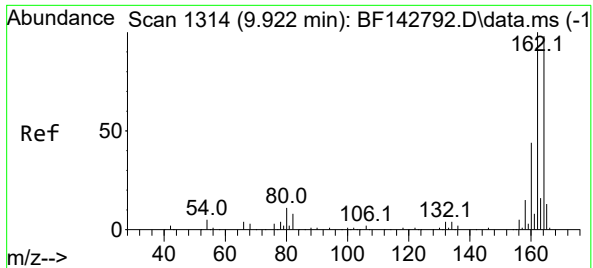
Tgt Ion:142 Resp: 317831
Ion Ratio Lower Upper
142 100
141 88.3 70.9 106.3



#38
1-Methylnaphthalene
Concen: 43.866 ng
RT: 8.969 min Scan# 1152
Delta R.T. -0.012 min
Lab File: BF142921.D
Acq: 30 Jun 2025 18:13

Tgt Ion:142 Resp: 330475
Ion Ratio Lower Upper
142 100
141 91.1 73.0 109.4





#39

Acenaphthene-d10

Concen: 20.000 ng

RT: 9.916 min Scan# 1164

Delta R.T. -0.006 min

Lab File: BF142921.D

Acq: 30 Jun 2025 18:13

Instrument :

BNA_F

ClientSampleId :

MH-E/FMS

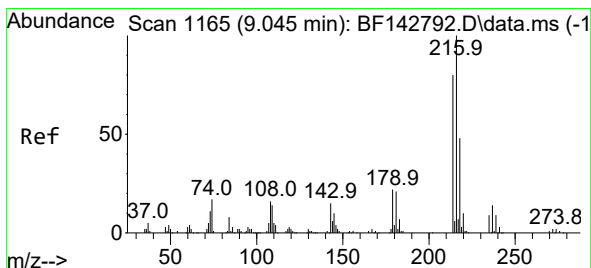
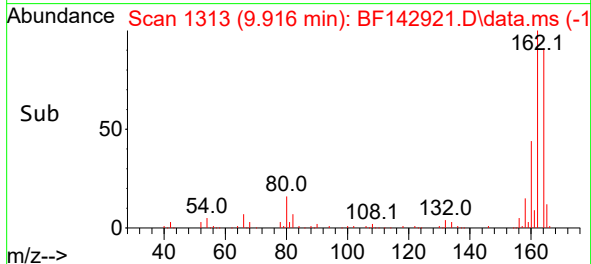
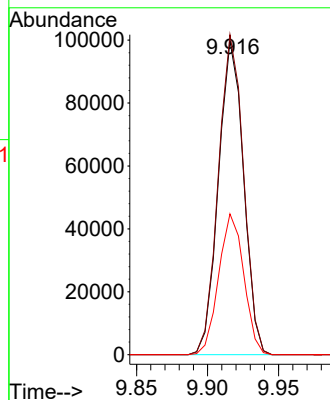
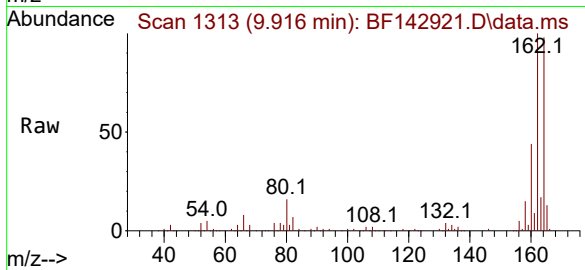
Tgt Ion:164 Resp: 122332

Ion Ratio Lower Upper

164 100

162 102.0 81.8 122.8

160 44.9 36.0 54.0



#40

1,2,4,5-Tetrachlorobenzene

Concen: 44.888 ng

RT: 9.039 min Scan# 1164

Delta R.T. -0.006 min

Lab File: BF142921.D

Acq: 30 Jun 2025 18:13

Tgt Ion:216 Resp: 162030

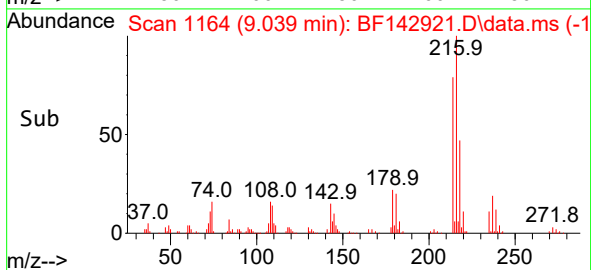
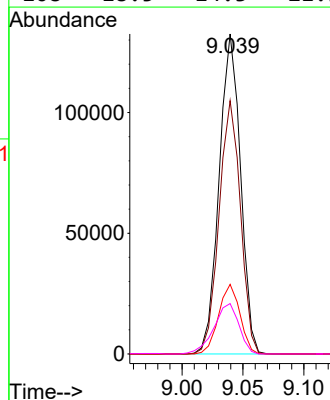
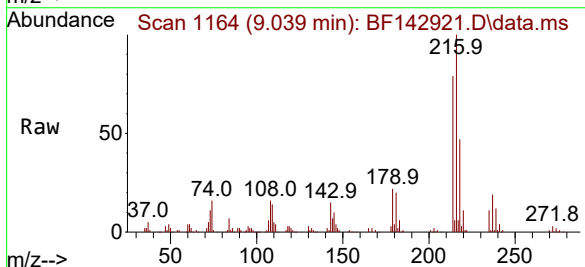
Ion Ratio Lower Upper

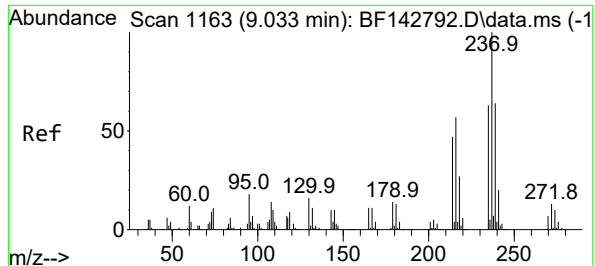
216 100

214 79.1 63.7 95.5

179 21.8 17.6 26.4

108 18.5 14.3 21.5





#41

Hexachlorocyclopentadiene

Concen: 81.278 ng

RT: 9.028 min Scan# 1162

Delta R.T. -0.006 min

Lab File: BF142921.D

Acq: 30 Jun 2025 18:13

Instrument :

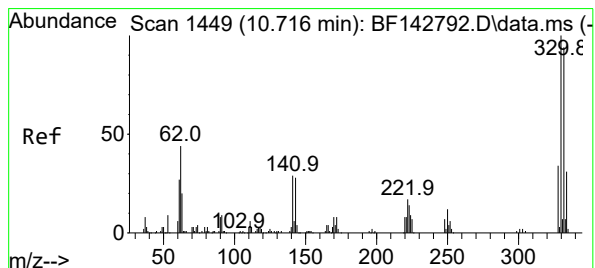
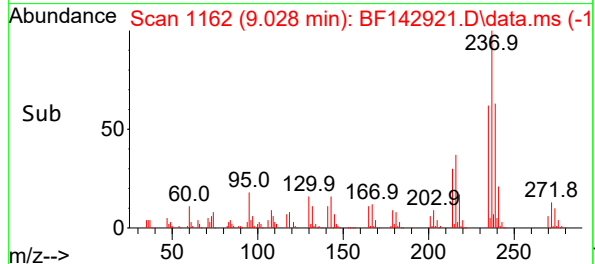
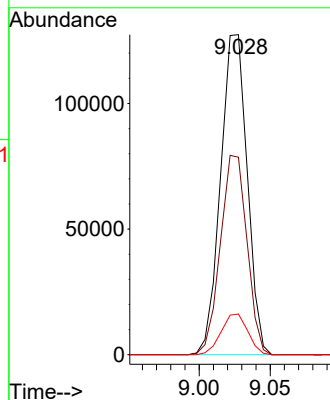
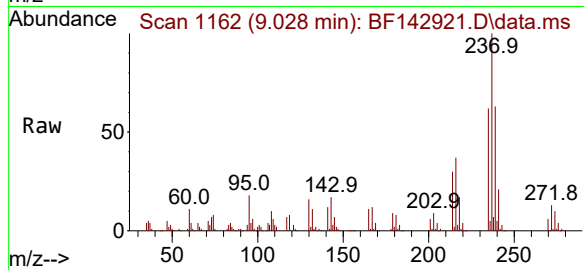
BNA_F

ClientSampleId :

MH-E/FMS

Tgt Ion:237 Resp: 166489

Ion	Ratio	Lower	Upper
237	100		
235	61.7	43.4	83.4
272	12.7	0.0	32.7



#42

2,4,6-Tribromophenol

Concen: 94.199 ng

RT: 10.710 min Scan# 1448

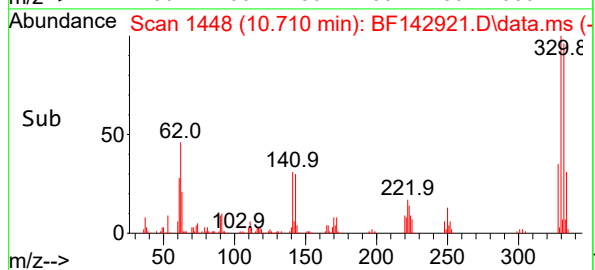
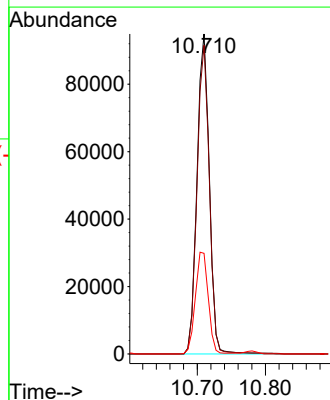
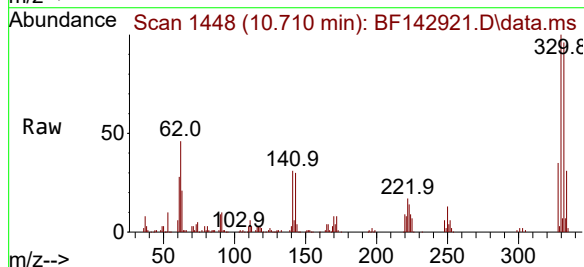
Delta R.T. -0.006 min

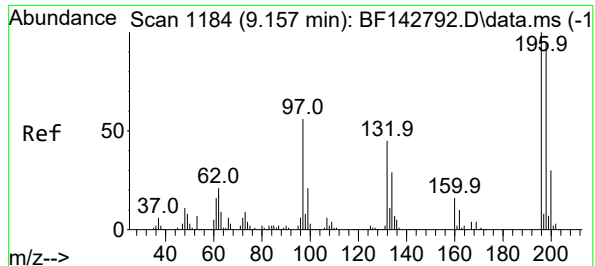
Lab File: BF142921.D

Acq: 30 Jun 2025 18:13

Tgt Ion:330 Resp: 118585

Ion	Ratio	Lower	Upper
330	100		
332	96.6	75.0	112.6
141	33.3	25.3	37.9





#43

2,4,6-Trichlorophenol

Concen: 44.136 ng

RT: 9.151 min Scan# 1183

Delta R.T. -0.006 min

Lab File: BF142921.D

Acq: 30 Jun 2025 18:13

Instrument :

BNA_F

ClientSampleId :

MH-E/FMS

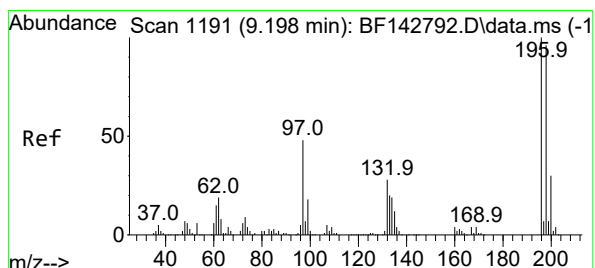
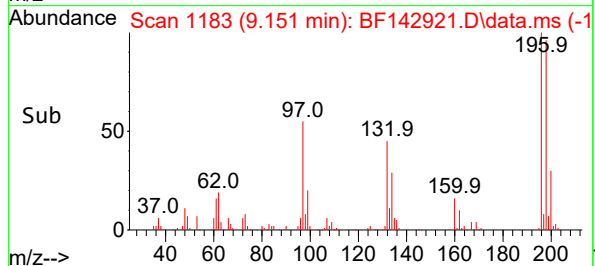
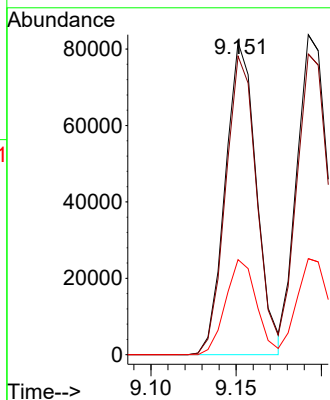
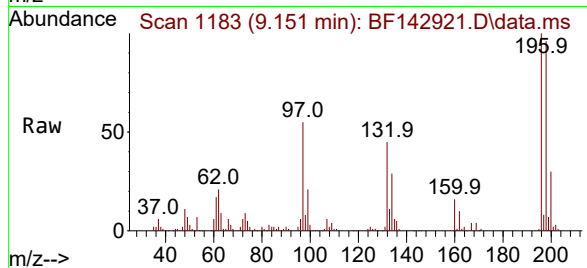
Tgt Ion:196 Resp: 103812

Ion Ratio Lower Upper

196 100

198 95.5 76.2 114.2

200 30.4 24.1 36.1



#44

2,4,5-Trichlorophenol

Concen: 43.791 ng

RT: 9.192 min Scan# 1190

Delta R.T. -0.006 min

Lab File: BF142921.D

Acq: 30 Jun 2025 18:13

Tgt Ion:196 Resp: 108426

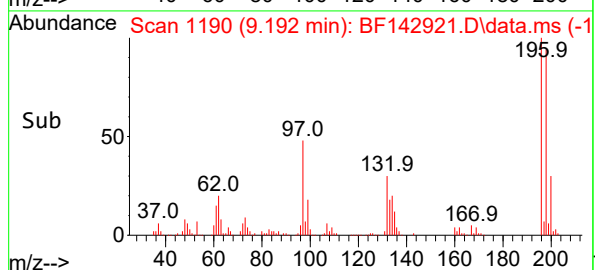
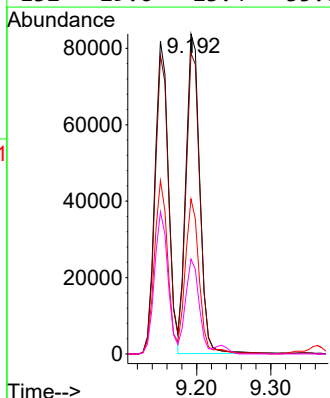
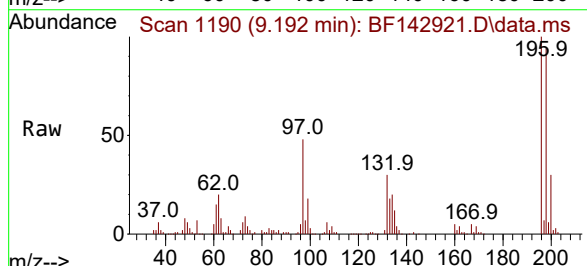
Ion Ratio Lower Upper

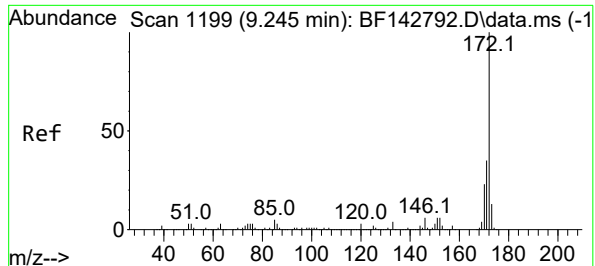
196 100

198 93.9 76.6 115.0

97 48.4 38.2 57.2

132 29.6 23.4 35.0





#45

2-Fluorobiphenyl

Concen: 57.458 ng

RT: 9.233 min Scan# 1199

Delta R.T. -0.012 min

Lab File: BF142921.D

Acq: 30 Jun 2025 18:13

Instrument :

BNA_F

ClientSampleId :

MH-E/FMS

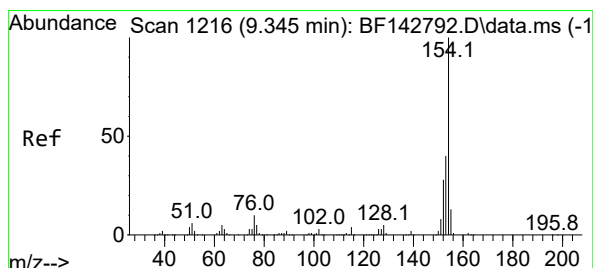
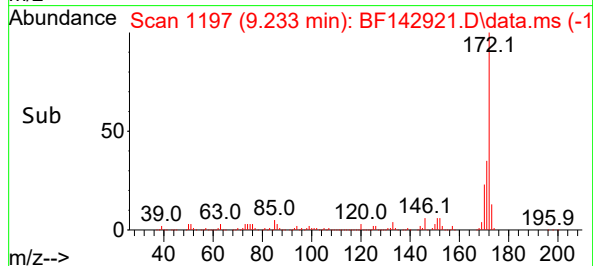
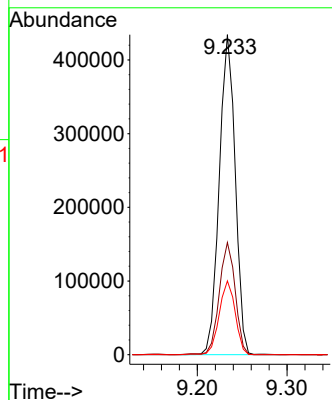
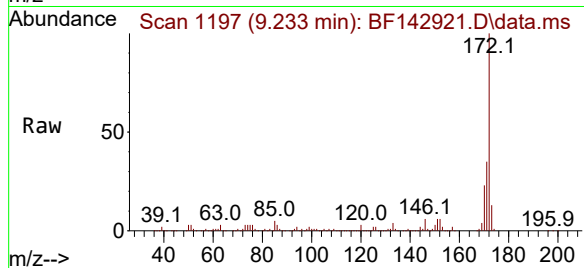
Tgt Ion:172 Resp: 535062

Ion Ratio Lower Upper

172 100

171 35.1 28.2 42.4

170 23.0 18.5 27.7



#46

1,1'-Biphenyl

Concen: 44.892 ng

RT: 9.333 min Scan# 1214

Delta R.T. -0.012 min

Lab File: BF142921.D

Acq: 30 Jun 2025 18:13

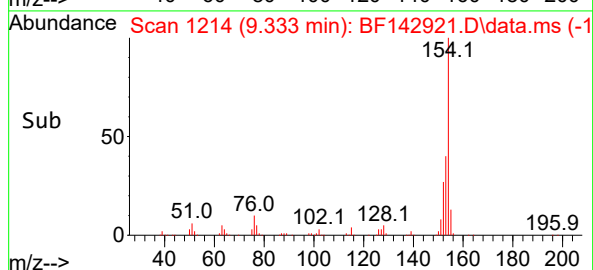
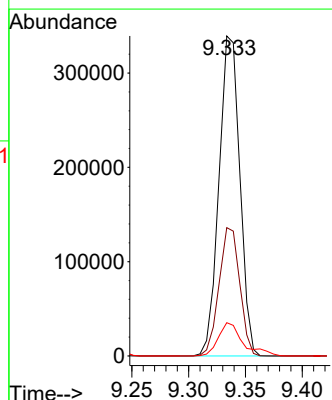
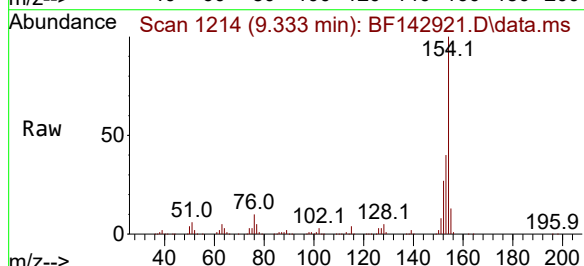
Tgt Ion:154 Resp: 433812

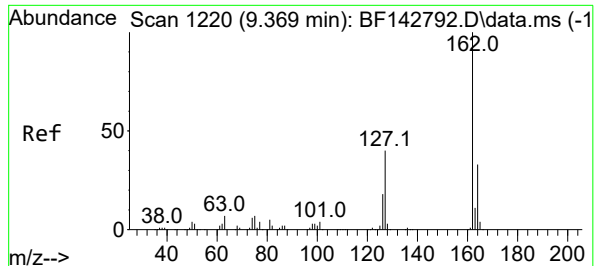
Ion Ratio Lower Upper

154 100

153 40.1 20.3 60.3

76 10.4 0.0 30.3





#47

2-Chloronaphthalene

Concen: 44.243 ng

RT: 9.363 min Scan# 1219

Delta R.T. -0.006 min

Lab File: BF142921.D

Acq: 30 Jun 2025 18:13

Instrument :

BNA_F

ClientSampleId :

MH-E/FMS

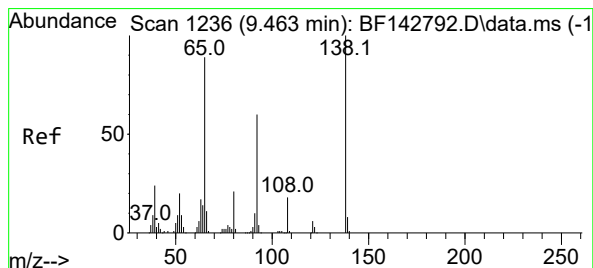
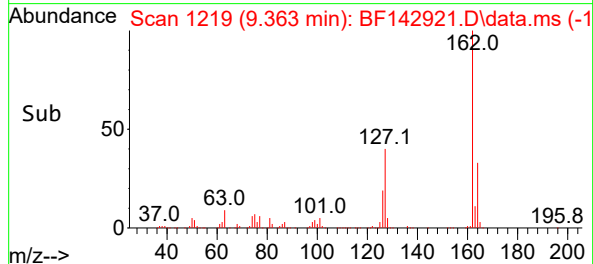
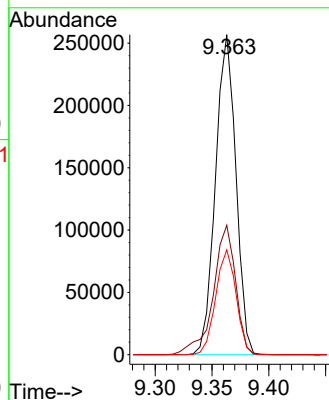
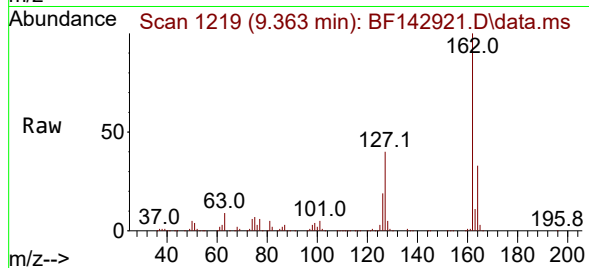
Tgt Ion:162 Resp: 320845

Ion Ratio Lower Upper

162 100

127 40.4 32.2 48.2

164 32.8 26.1 39.1



#48

2-Nitroaniline

Concen: 44.799 ng

RT: 9.457 min Scan# 1235

Delta R.T. -0.006 min

Lab File: BF142921.D

Acq: 30 Jun 2025 18:13

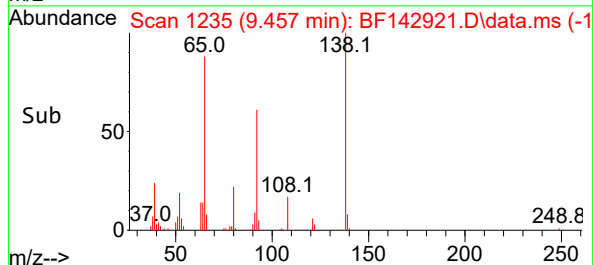
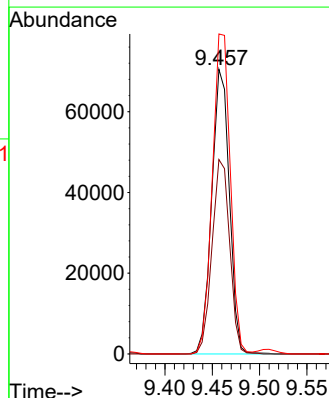
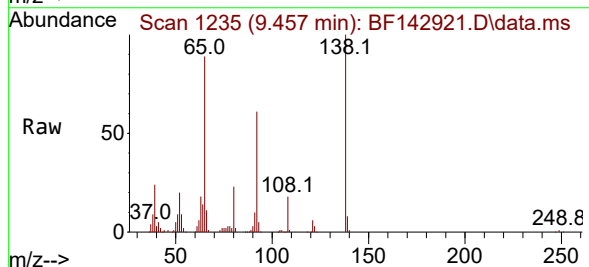
Tgt Ion: 65 Resp: 91080

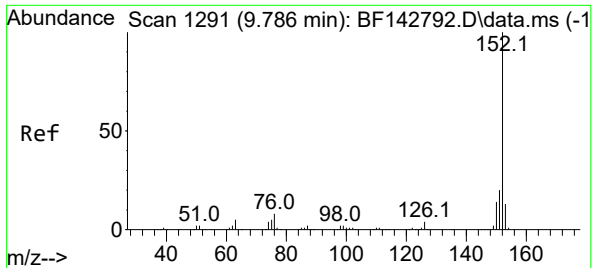
Ion Ratio Lower Upper

65 100

92 68.3 53.8 80.6

138 112.5 89.6 134.4





#49

Acenaphthylene

Concen: 44.492 ng

RT: 9.780 min Scan# 1291

Delta R.T. -0.006 min

Lab File: BF142921.D

Acq: 30 Jun 2025 18:13

Instrument :

BNA_F

ClientSampleId :

MH-E/FMS

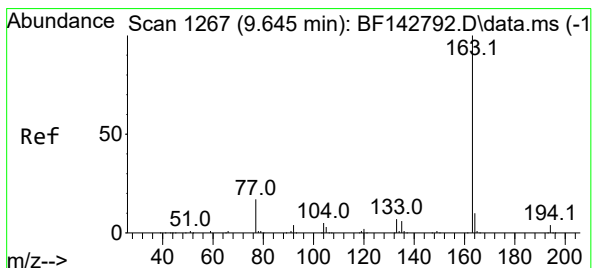
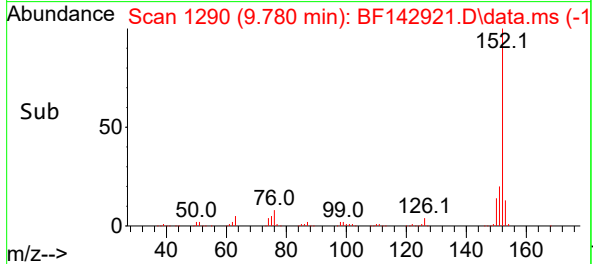
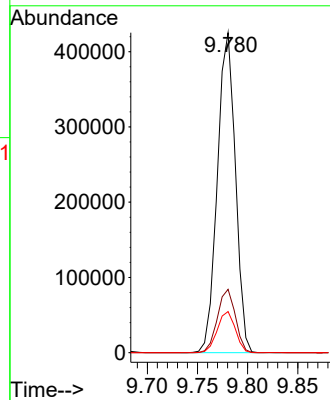
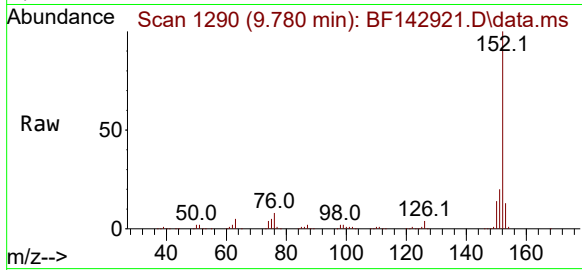
Tgt Ion:152 Resp: 531142

Ion Ratio Lower Upper

152 100

151 19.8 16.1 24.1

153 12.8 10.4 15.6



#50

Dimethylphthalate

Concen: 45.779 ng

RT: 9.639 min Scan# 1266

Delta R.T. -0.006 min

Lab File: BF142921.D

Acq: 30 Jun 2025 18:13

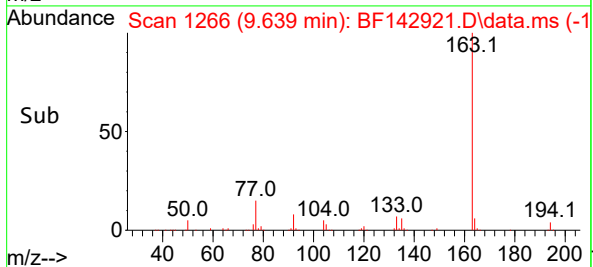
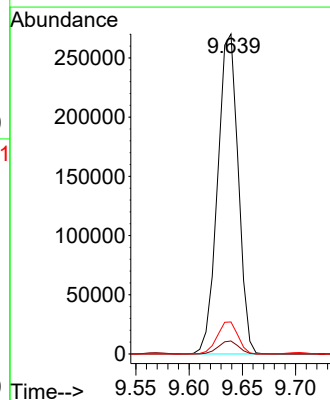
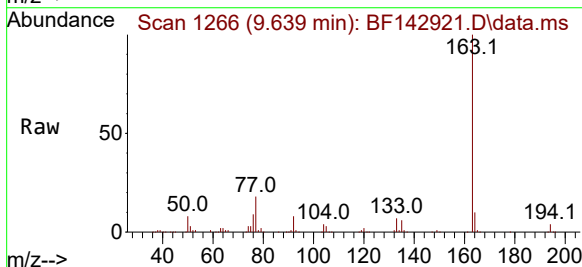
Tgt Ion:163 Resp: 362507

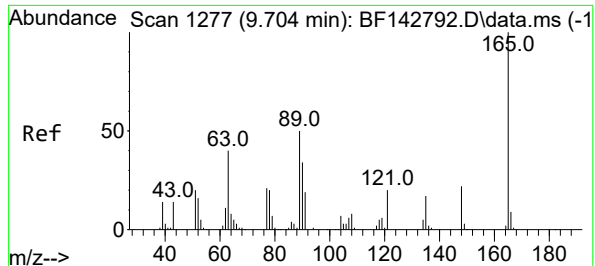
Ion Ratio Lower Upper

163 100

194 4.0 3.3 4.9

164 10.0 8.0 12.0





#51

2,6-Dinitrotoluene

Concen: 46.399 ng

RT: 9.704 min Scan# 1319

Delta R.T. 0.000 min

Lab File: BF142921.D

Acq: 30 Jun 2025 18:13

Instrument :

BNA_F

ClientSampleId :

MH-E/FMS

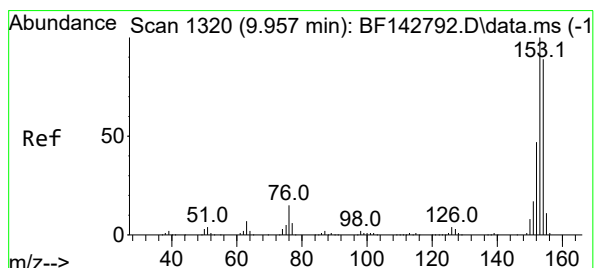
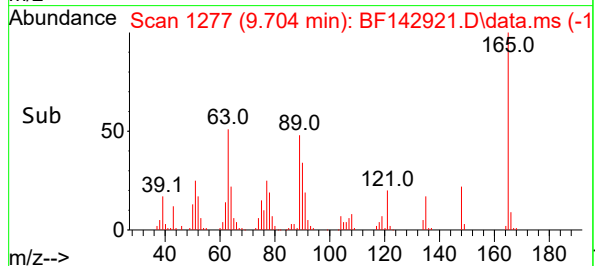
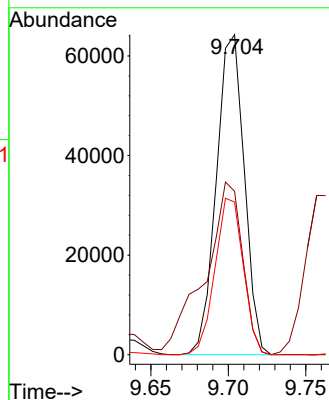
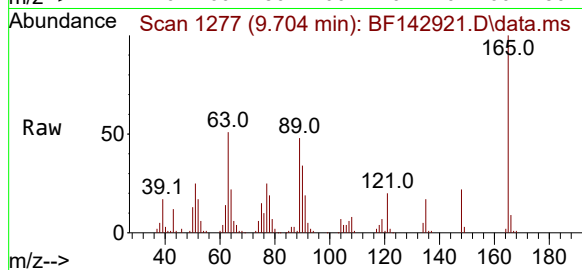
Tgt Ion:165 Resp: 80687

Ion Ratio Lower Upper

165 100

63 51.1 44.2 66.4

89 47.7 39.8 59.8



#52

Acenaphthene

Concen: 46.446 ng m

RT: 9.951 min Scan# 1319

Delta R.T. -0.006 min

Lab File: BF142921.D

Acq: 30 Jun 2025 18:13

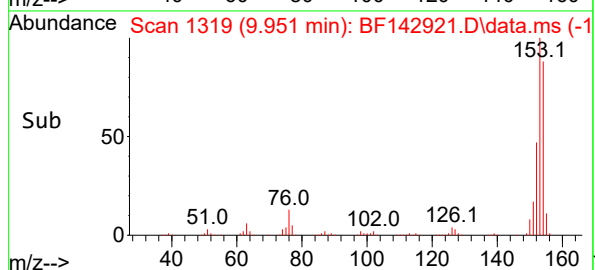
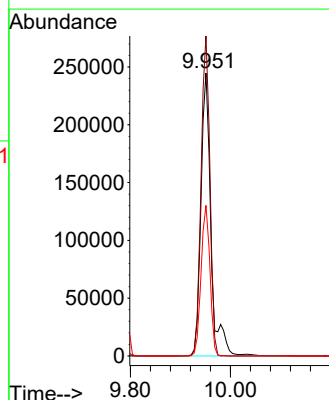
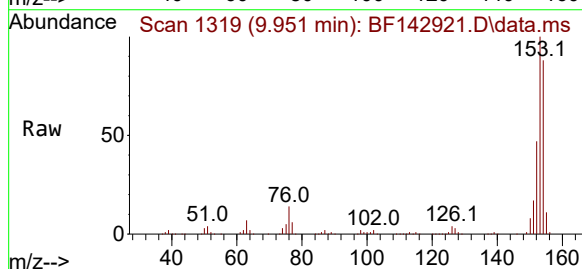
Tgt Ion:154 Resp: 338300

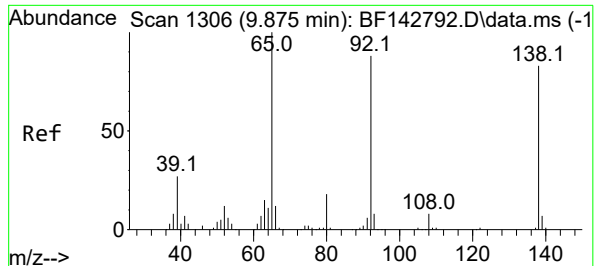
Ion Ratio Lower Upper

154 100

153 113.1 90.0 135.0

152 53.3 41.9 62.9





#53

3-Nitroaniline

Concen: 20.087 ng

RT: 9.869 min Scan# 11

Delta R.T. -0.006 min

Lab File: BF142921.D

Acq: 30 Jun 2025 18:13

Instrument :

BNA_F

ClientSampleId :

MH-E/FMS

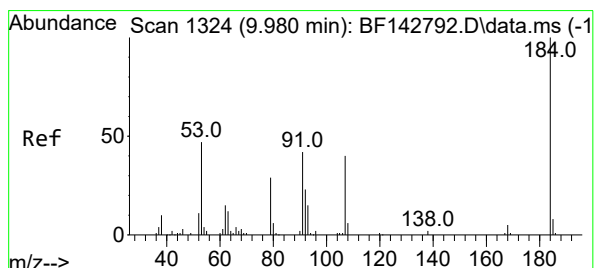
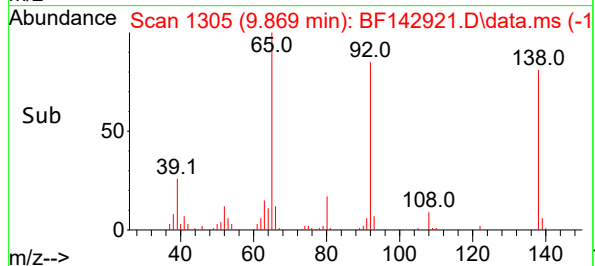
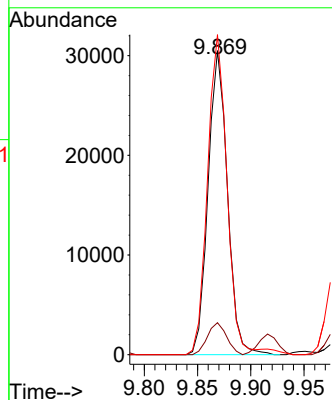
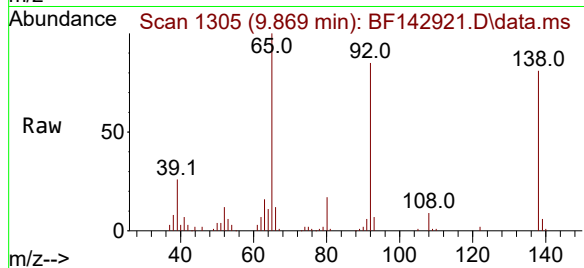
Tgt Ion:138 Resp: 38459

Ion Ratio Lower Upper

138 100

108 10.5 8.1 12.1

92 105.2 85.1 127.7



#54

2,4-Dinitrophenol

Concen: 63.592 ng

RT: 9.980 min Scan# 1324

Delta R.T. 0.000 min

Lab File: BF142921.D

Acq: 30 Jun 2025 18:13

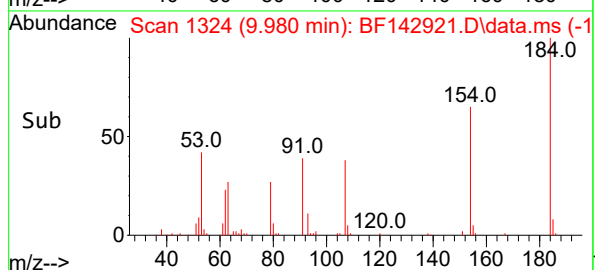
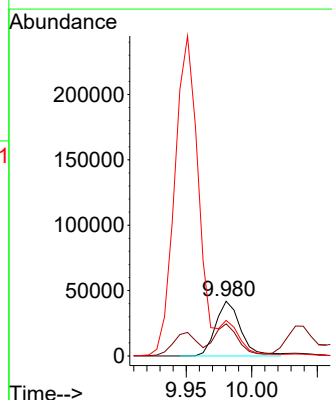
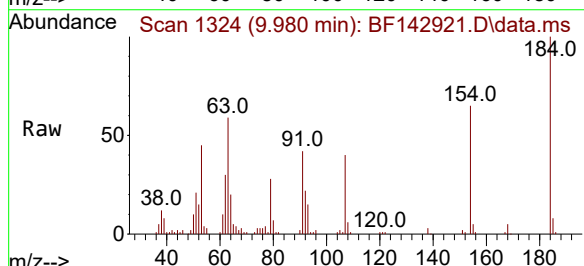
Tgt Ion:184 Resp: 55373

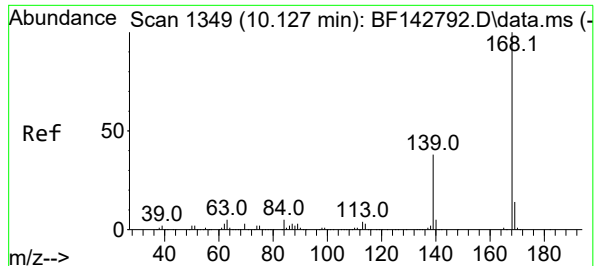
Ion Ratio Lower Upper

184 100

63 58.8 50.6 75.8

154 65.0 51.8 77.8





#55

Dibenzenofuran

Concen: 44.128 ng

RT: 10.122 min Scan# 11

Delta R.T. -0.006 min

Lab File: BF142921.D

Acq: 30 Jun 2025 18:13

Instrument :

BNA_F

ClientSampleId :

MH-E/FMS

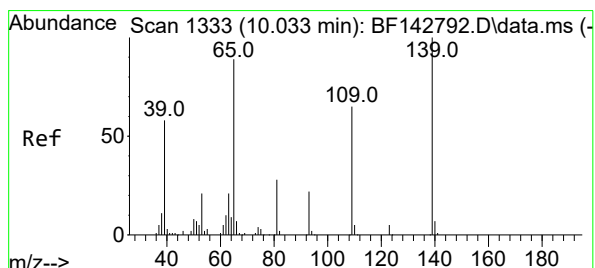
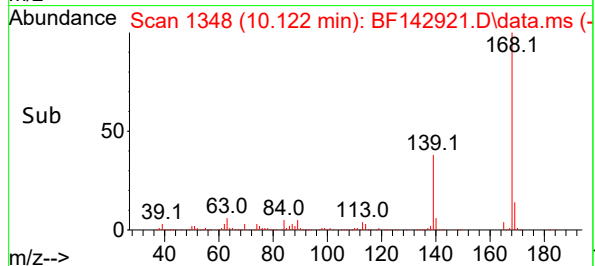
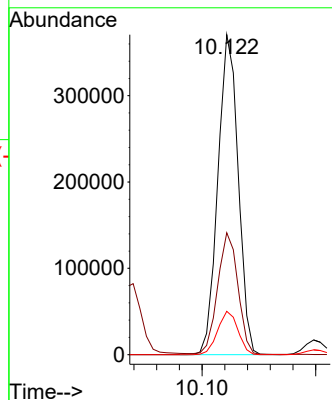
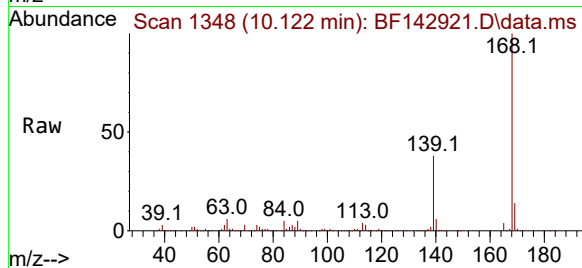
Tgt Ion:168 Resp: 460894

Ion Ratio Lower Upper

168 100

139 38.1 30.2 45.4

169 13.5 10.8 16.2



#56

4-Nitrophenol

Concen: 86.058 ng

RT: 10.039 min Scan# 1334

Delta R.T. 0.006 min

Lab File: BF142921.D

Acq: 30 Jun 2025 18:13

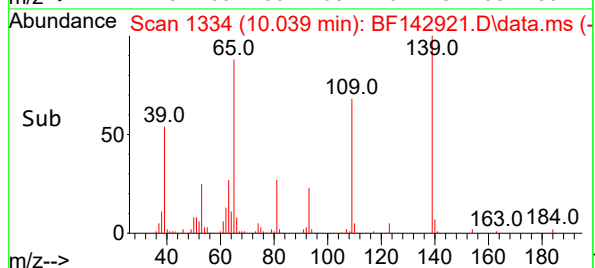
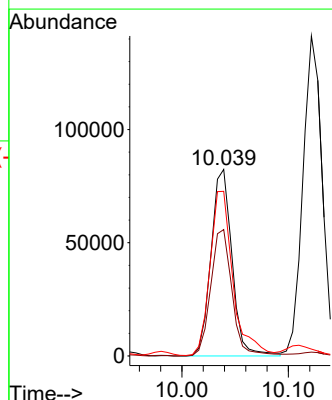
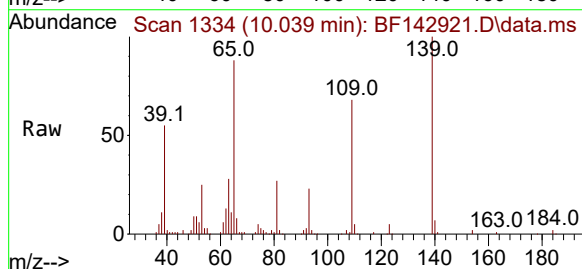
Tgt Ion:139 Resp: 112803

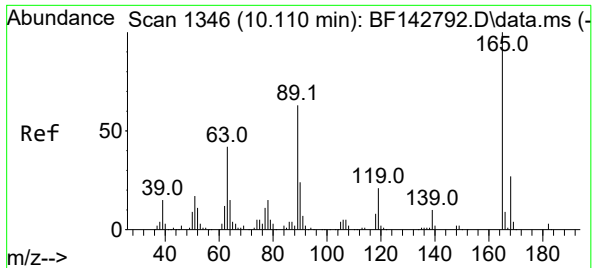
Ion Ratio Lower Upper

139 100

109 67.8 44.7 84.7

65 88.2 69.8 109.8

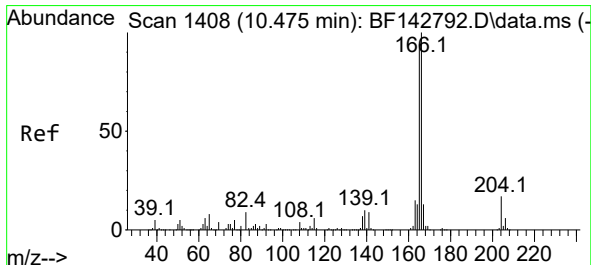
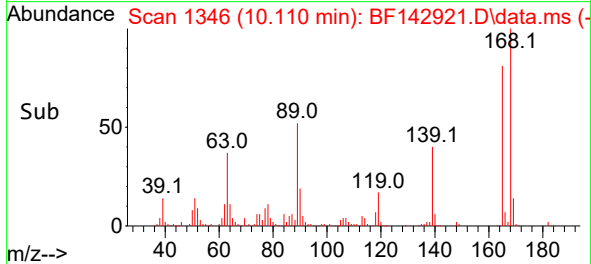
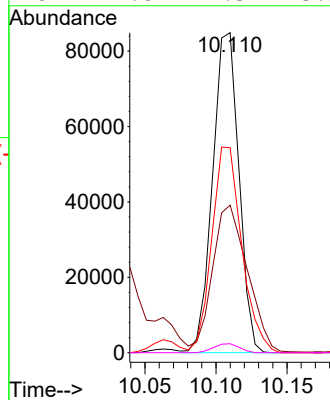
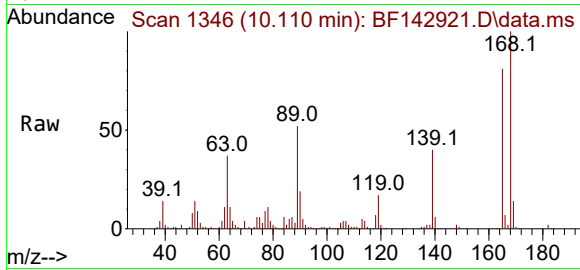




#57
2,4-Dinitrotoluene
Concen: 47.260 ng
RT: 10.110 min Scan# 11
Delta R.T. 0.000 min
Lab File: BF142921.D
Acq: 30 Jun 2025 18:13

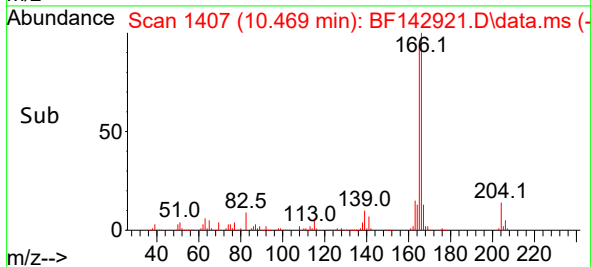
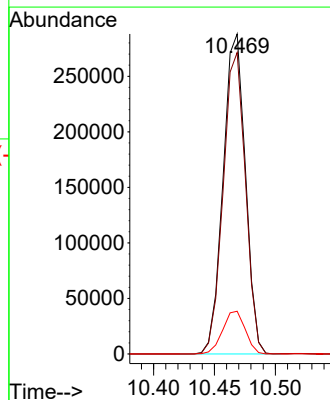
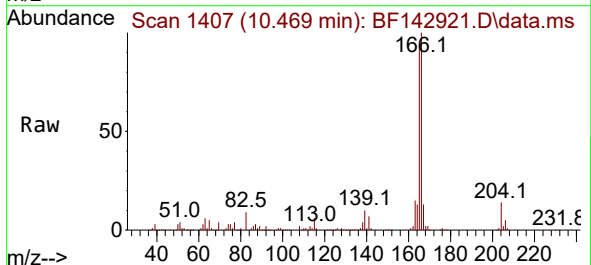
Instrument :
BNA_F
ClientSampleId :
MH-E/FMS

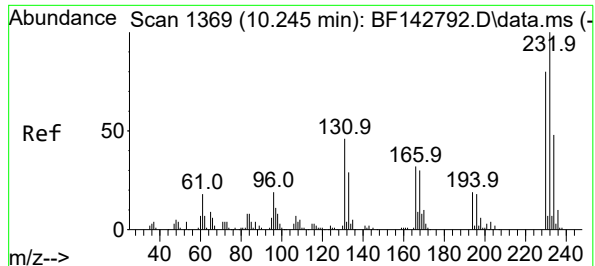
Tgt Ion:165 Resp: 109167
Ion Ratio Lower Upper
165 100
63 46.1 33.9 50.9
89 64.1 50.6 75.8
182 2.8 2.3 3.5



#58
Fluorene
Concen: 45.052 ng
RT: 10.469 min Scan# 1407
Delta R.T. -0.006 min
Lab File: BF142921.D
Acq: 30 Jun 2025 18:13

Tgt Ion:166 Resp: 367492
Ion Ratio Lower Upper
166 100
165 94.2 75.2 112.8
167 13.4 10.6 15.8

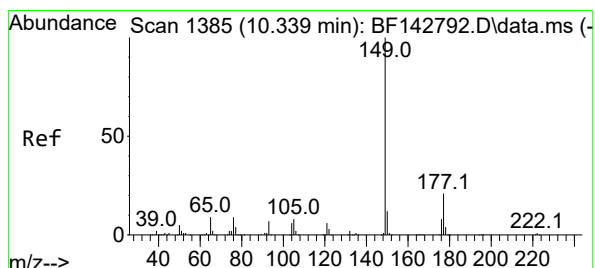
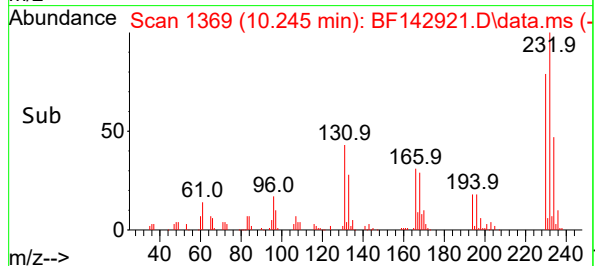
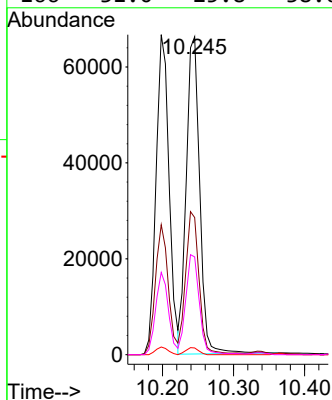
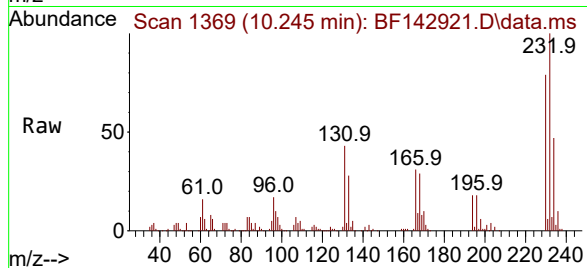




#59
2,3,4,6-Tetrachlorophenol
Concen: 43.681 ng
RT: 10.245 min Scan# 1369
Delta R.T. 0.000 min
Lab File: BF142921.D
Acq: 30 Jun 2025 18:13

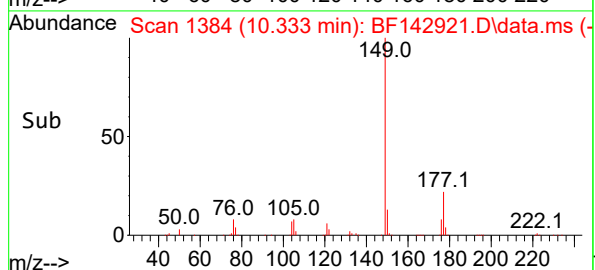
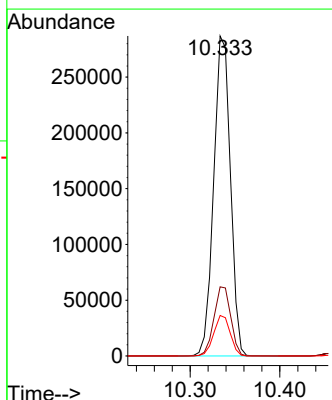
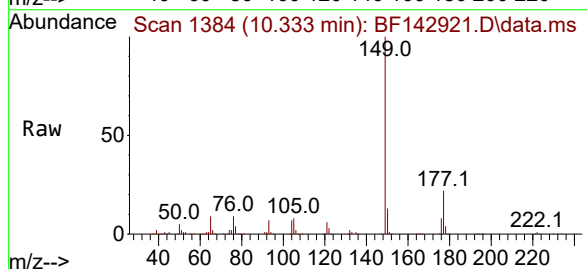
Instrument :
BNA_F
ClientSampleId :
MH-E/FMS

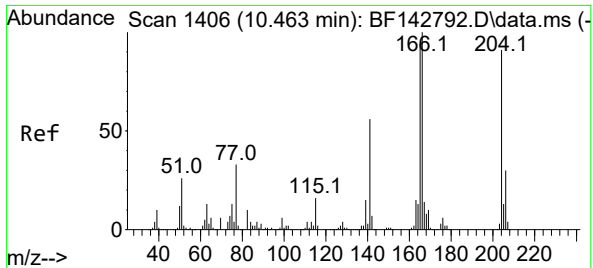
Tgt Ion:232 Resp: 87179
Ion Ratio Lower Upper
232 100
131 45.0 37.6 56.4
130 2.1 1.7 2.5
166 31.0 25.8 38.6



#60
Diethylphthalate
Concen: 47.761 ng
RT: 10.333 min Scan# 1384
Delta R.T. -0.006 min
Lab File: BF142921.D
Acq: 30 Jun 2025 18:13

Tgt Ion:149 Resp: 370817
Ion Ratio Lower Upper
149 100
177 21.6 17.0 25.6
150 12.6 9.8 14.6

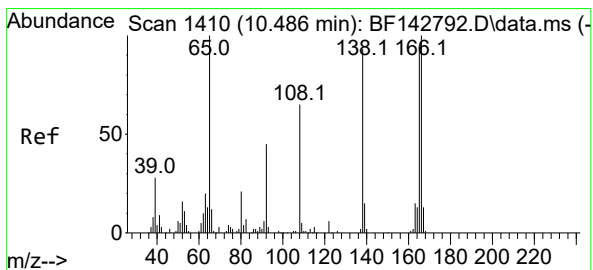
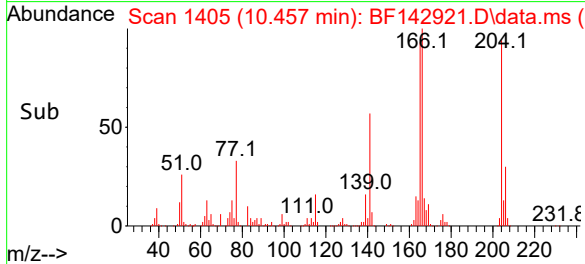
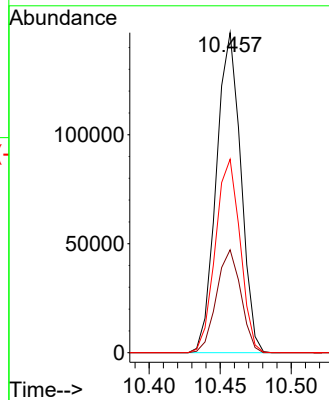
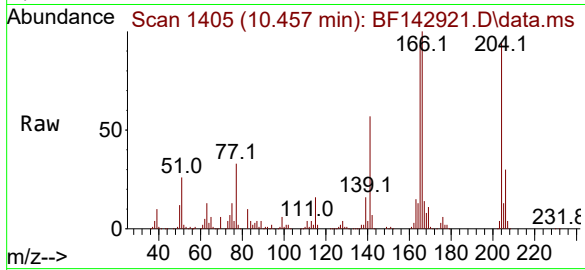




#61
4-Chlorophenyl-phenylether
Concen: 45.209 ng
RT: 10.457 min Scan# 1405
Delta R.T. -0.006 min
Lab File: BF142921.D
Acq: 30 Jun 2025 18:13

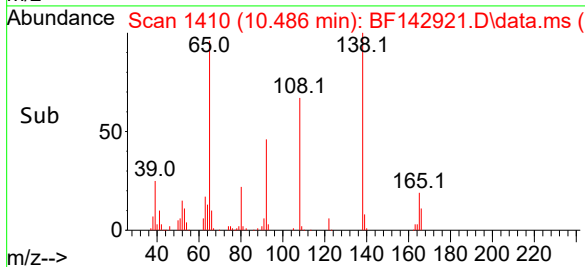
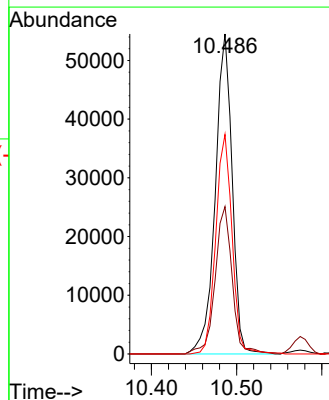
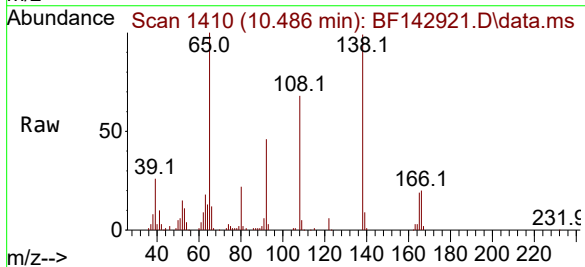
Instrument :
BNA_F
ClientSampleId :
MH-E/FMS

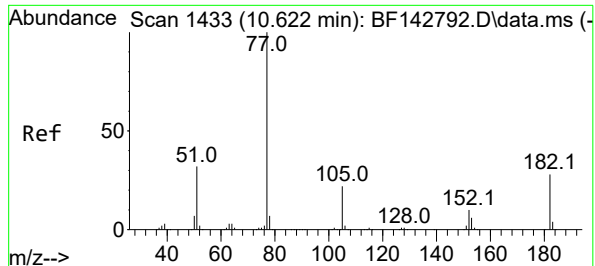
Tgt Ion:204 Resp: 175973
Ion Ratio Lower Upper
204 100
206 32.2 26.3 39.5
141 60.5 49.1 73.7



#62
4-Nitroaniline
Concen: 43.008 ng
RT: 10.486 min Scan# 1410
Delta R.T. 0.000 min
Lab File: BF142921.D
Acq: 30 Jun 2025 18:13

Tgt Ion:138 Resp: 75311
Ion Ratio Lower Upper
138 100
92 46.1 28.4 68.4
108 68.6 50.2 90.2

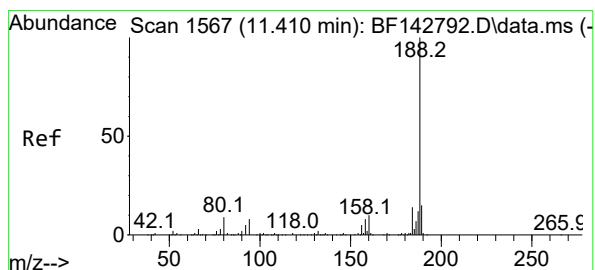
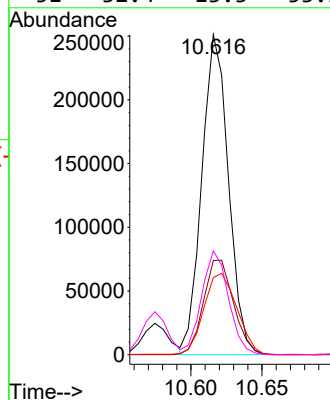
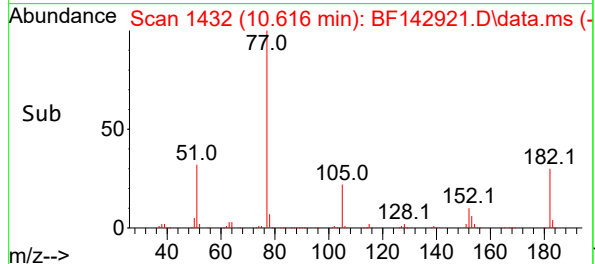
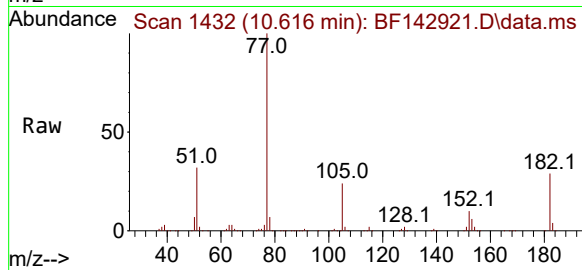




#63
Azobenzene
Concen: 47.123 ng
RT: 10.616 min Scan# 1432
Delta R.T. -0.006 min
Lab File: BF142921.D
Acq: 30 Jun 2025 18:13

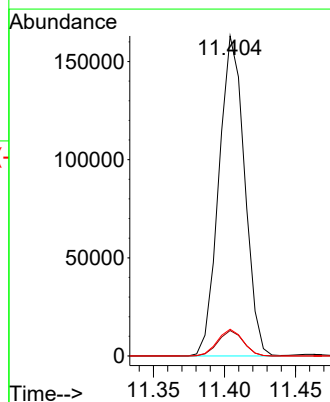
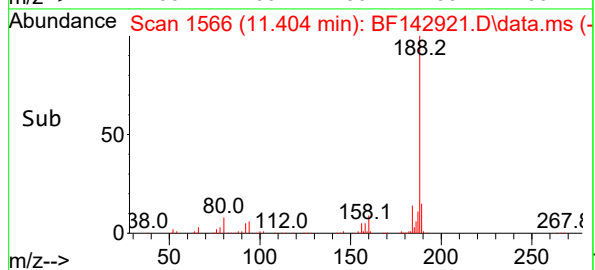
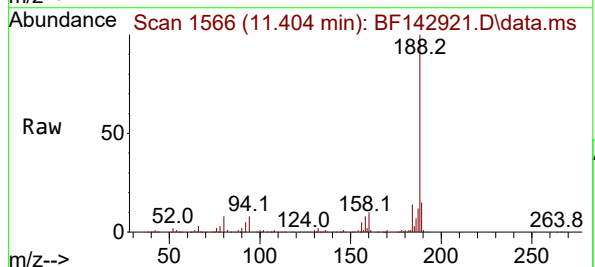
Instrument :
BNA_F
ClientSampleId :
MH-E/FMS

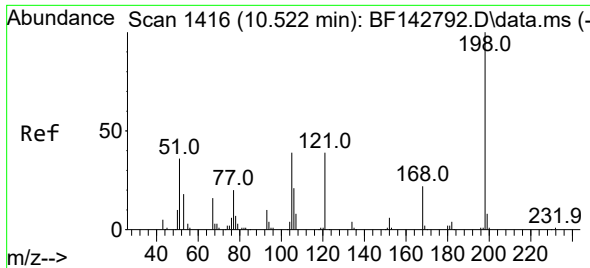
Tgt Ion: 77 Resp: 326996
Ion Ratio Lower Upper
77 100
182 29.4 7.7 47.7
105 24.1 1.9 41.9
51 32.4 13.3 53.3



#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.404 min Scan# 1566
Delta R.T. -0.006 min
Lab File: BF142921.D
Acq: 30 Jun 2025 18:13

Tgt Ion: 188 Resp: 205148
Ion Ratio Lower Upper
188 100
94 7.9 6.7 10.1
80 8.4 6.9 10.3

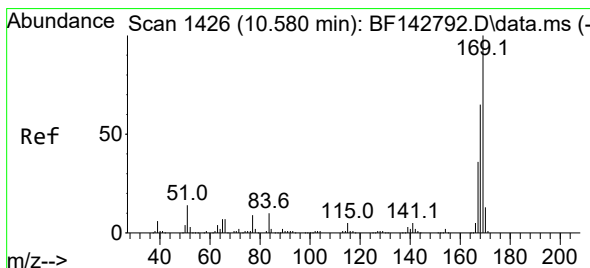
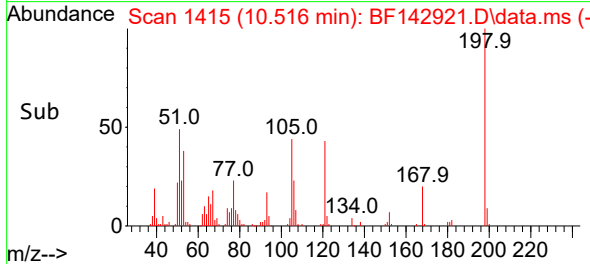
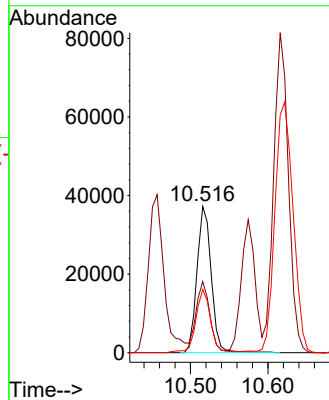
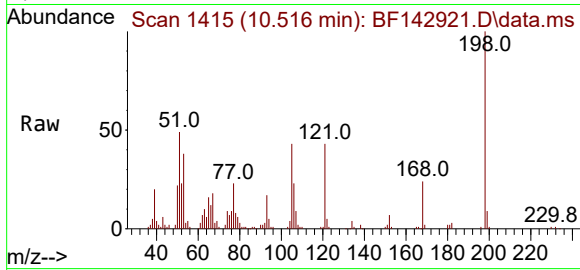




#65
4,6-Dinitro-2-methylphenol
Concen: 38.399 ng
RT: 10.516 min Scan# 1416
Delta R.T. -0.006 min
Lab File: BF142921.D
Acq: 30 Jun 2025 18:13

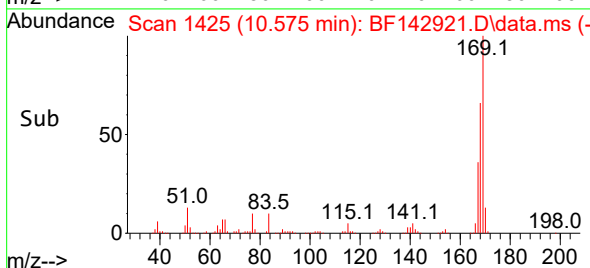
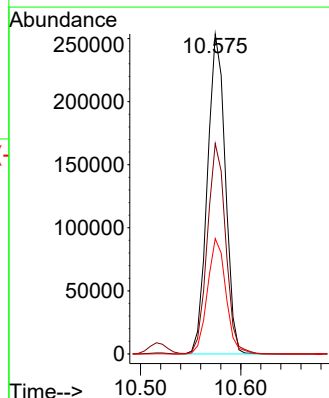
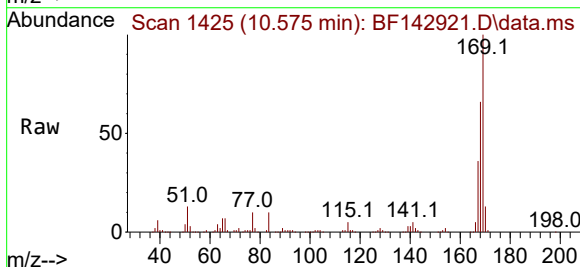
Instrument :
BNA_F
ClientSampleId :
MH-E/FMS

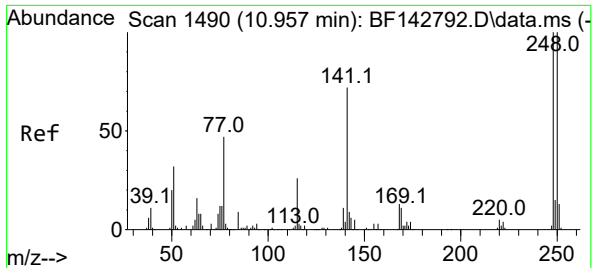
Tgt Ion:198 Resp: 47648
Ion Ratio Lower Upper
198 100
51 48.5 25.4 65.4
105 43.3 20.4 60.4



#66
n-Nitrosodiphenylamine
Concen: 44.328 ng
RT: 10.575 min Scan# 1425
Delta R.T. -0.006 min
Lab File: BF142921.D
Acq: 30 Jun 2025 18:13

Tgt Ion:169 Resp: 315172
Ion Ratio Lower Upper
169 100
168 65.8 51.9 77.9
167 36.0 28.5 42.7

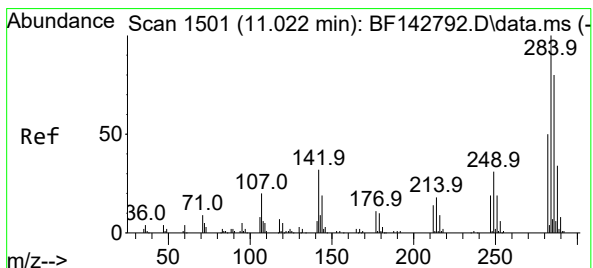
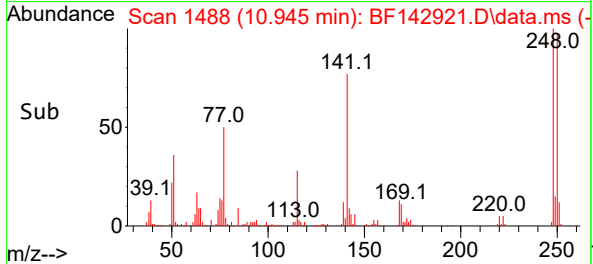
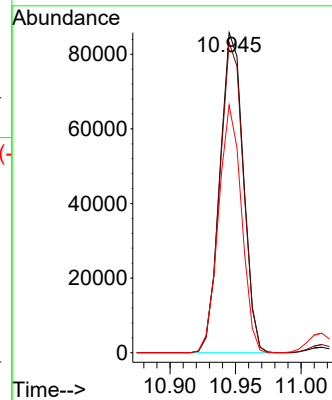
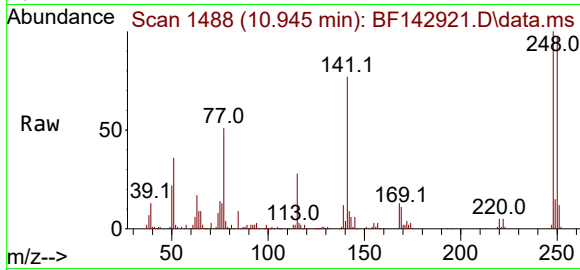




#67
4-Bromophenyl-phenylether
Concen: 45.753 ng
RT: 10.945 min Scan# 1488
Delta R.T. -0.012 min
Lab File: BF142921.D
Acq: 30 Jun 2025 18:13

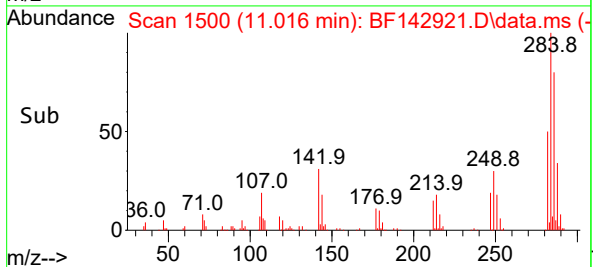
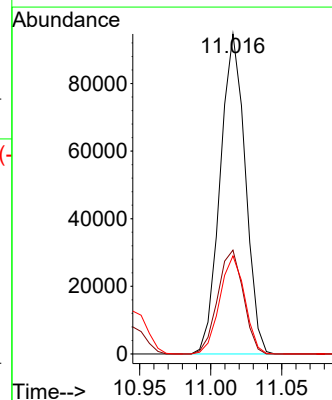
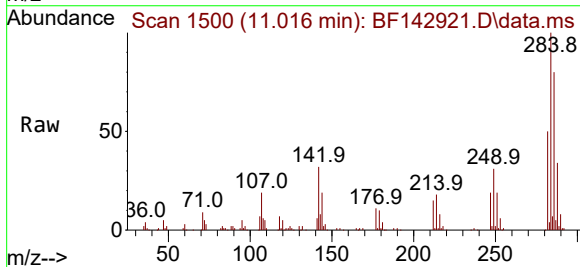
Instrument :
BNA_F
ClientSampleId :
MH-E/FMS

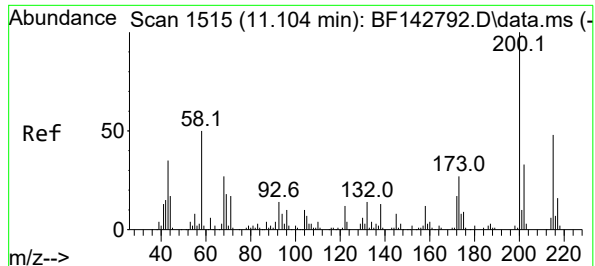
Tgt Ion:248 Resp: 106824
Ion Ratio Lower Upper
248 100
250 96.9 79.8 119.8
141 77.3 57.8 86.6



#68
Hexachlorobenzene
Concen: 44.721 ng
RT: 11.016 min Scan# 1500
Delta R.T. -0.006 min
Lab File: BF142921.D
Acq: 30 Jun 2025 18:13

Tgt Ion:284 Resp: 116020
Ion Ratio Lower Upper
284 100
142 32.4 25.5 38.3
249 30.6 24.9 37.3





#69

Atrazine

Concen: 52.417 ng

RT: 11.104 min Scan# 1515

Delta R.T. 0.000 min

Lab File: BF142921.D

Acq: 30 Jun 2025 18:13

Instrument :

BNA_F

ClientSampleId :

MH-E/FMS

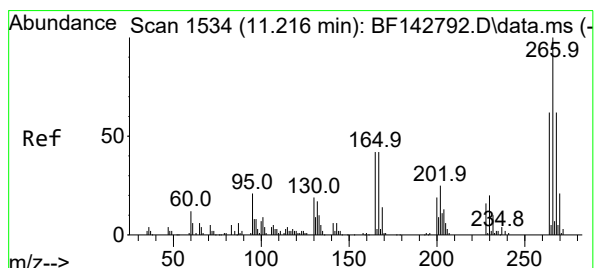
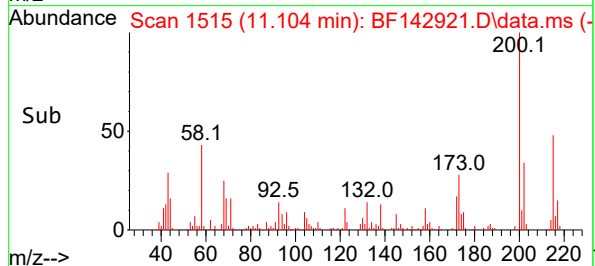
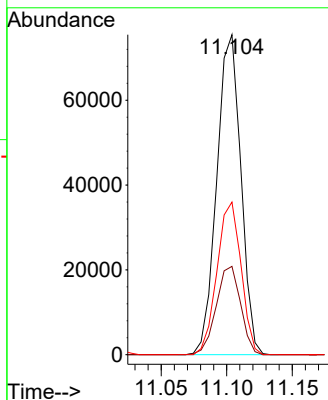
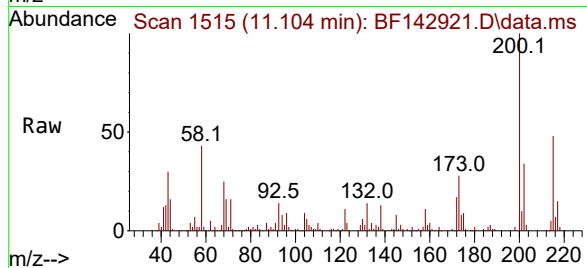
Tgt Ion:200 Resp: 96238

Ion Ratio Lower Upper

200 100

173 27.6 7.4 47.4

215 47.7 28.4 68.4



#70

Pentachlorophenol

Concen: 81.349 ng

RT: 11.210 min Scan# 1533

Delta R.T. -0.006 min

Lab File: BF142921.D

Acq: 30 Jun 2025 18:13

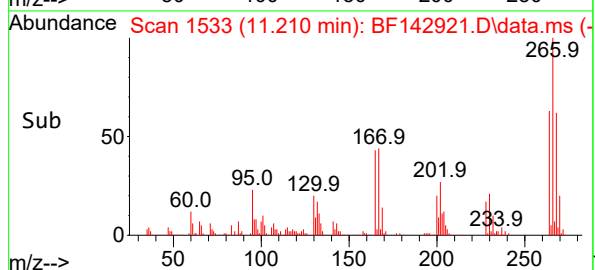
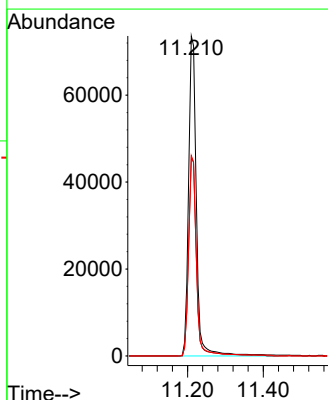
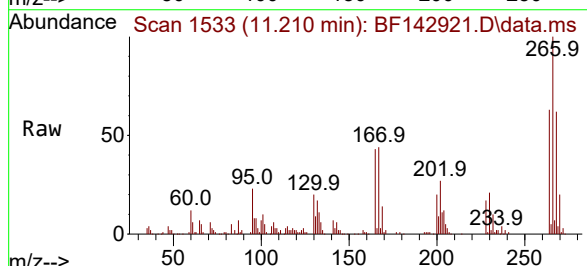
Tgt Ion:266 Resp: 105164

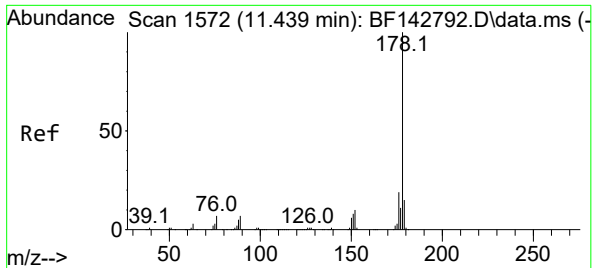
Ion Ratio Lower Upper

266 100

268 62.2 49.8 74.8

264 62.6 49.9 74.9





#71

Phenanthrene

Concen: 44.810 ng

RT: 11.433 min Scan# 1572

Delta R.T. -0.006 min

Lab File: BF142921.D

Acq: 30 Jun 2025 18:13

Instrument :

BNA_F

ClientSampleId :

MH-E/FMS

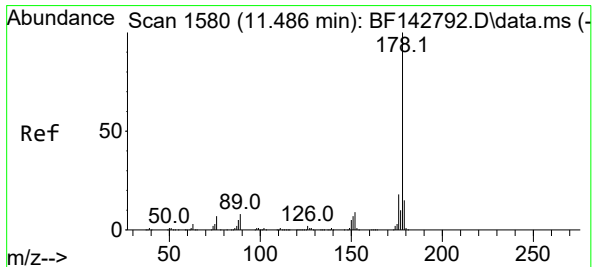
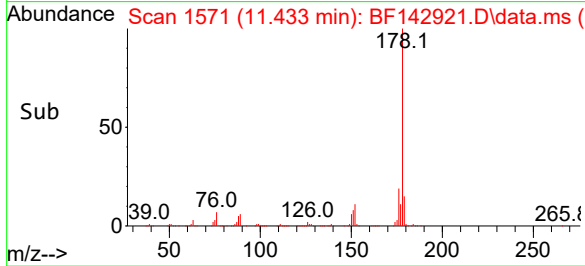
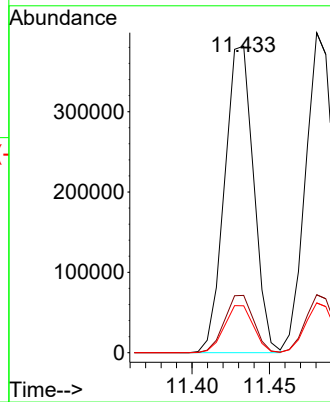
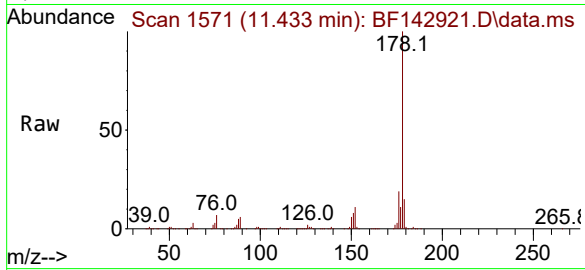
Tgt Ion:178 Resp: 497964

Ion Ratio Lower Upper

178 100

176 18.7 15.1 22.7

179 15.3 12.0 18.0



#72

Anthracene

Concen: 44.095 ng

RT: 11.480 min Scan# 1579

Delta R.T. -0.006 min

Lab File: BF142921.D

Acq: 30 Jun 2025 18:13

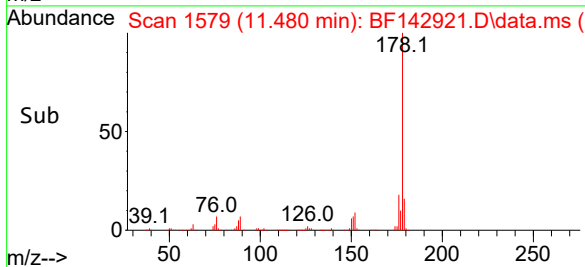
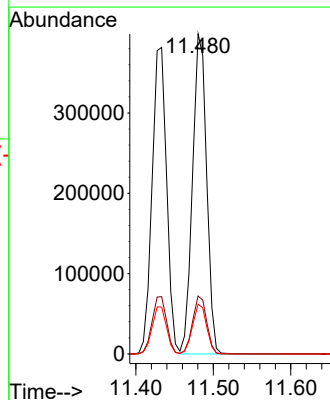
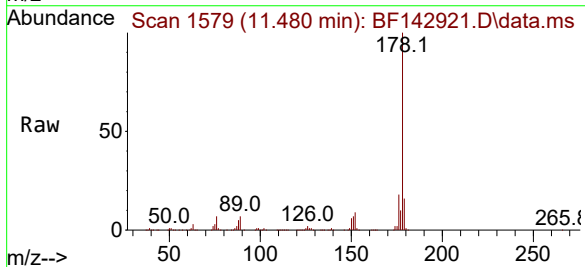
Tgt Ion:178 Resp: 502557

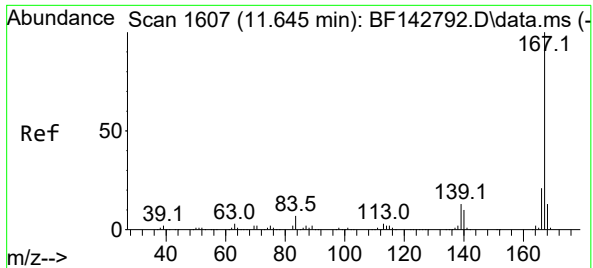
Ion Ratio Lower Upper

178 100

176 18.1 14.6 21.8

179 15.6 12.4 18.6





#73

Carbazole

Concen: 44.317 ng

RT: 11.639 min Scan# 1606

Delta R.T. -0.006 min

Lab File: BF142921.D

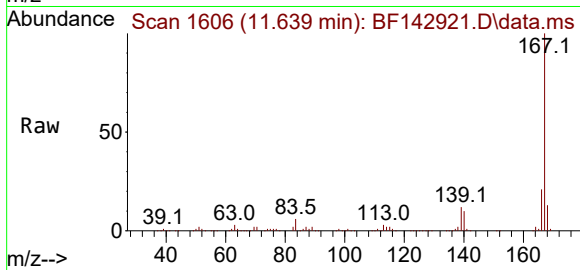
Acq: 30 Jun 2025 18:13

Instrument :

BNA_F

ClientSampleId :

MH-E/FMS



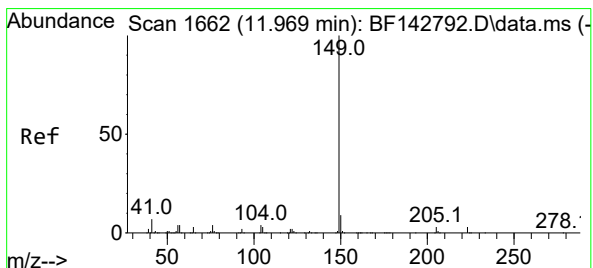
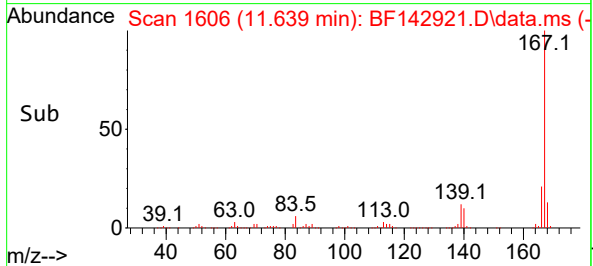
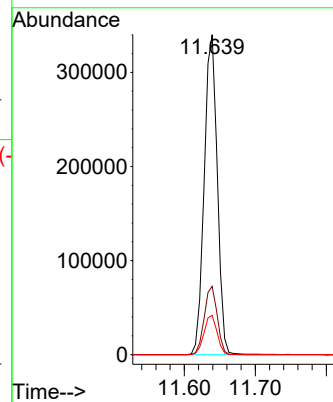
Tgt Ion:167 Resp: 435876

Ion Ratio Lower Upper

167 100

166 21.4 17.0 25.4

139 12.3 10.2 15.2



#74

Di-n-butylphthalate

Concen: 54.418 ng

RT: 11.963 min Scan# 1661

Delta R.T. -0.006 min

Lab File: BF142921.D

Acq: 30 Jun 2025 18:13

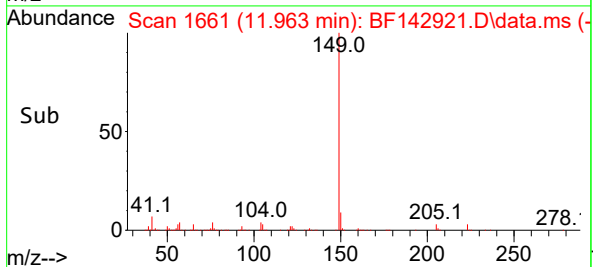
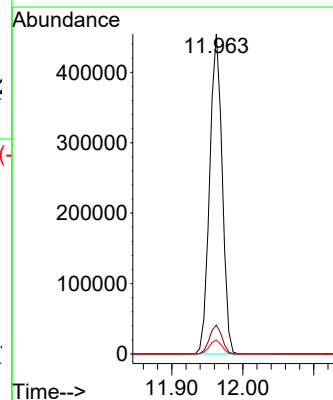
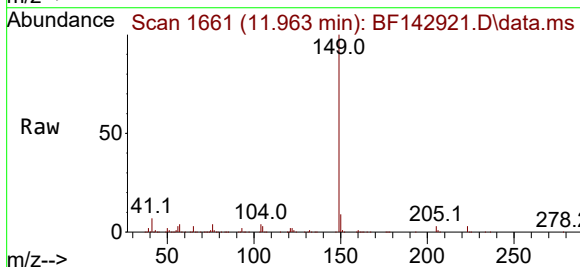
Tgt Ion:149 Resp: 557570

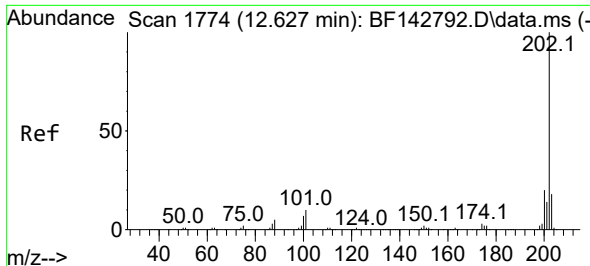
Ion Ratio Lower Upper

149 100

150 9.1 7.4 11.0

104 4.4 3.5 5.3

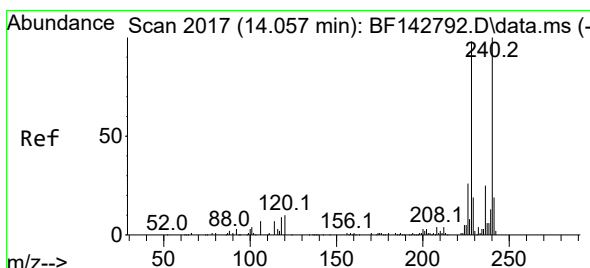
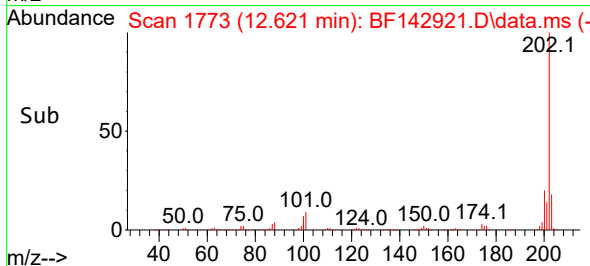
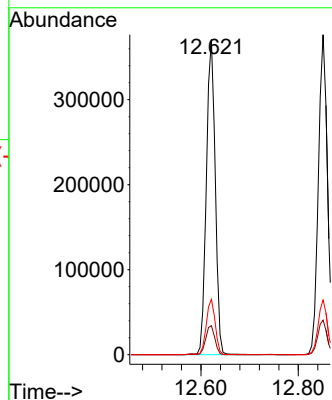
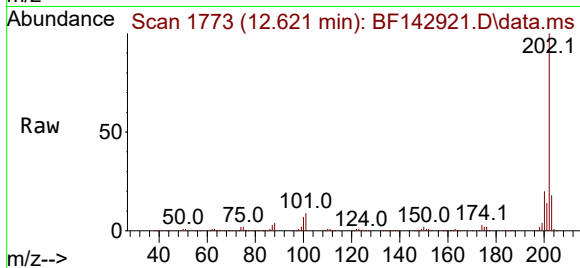




#75
Fluoranthene
Concen: 44.387 ng
RT: 12.621 min Scan# 11
Delta R.T. -0.006 min
Lab File: BF142921.D
Acq: 30 Jun 2025 18:13

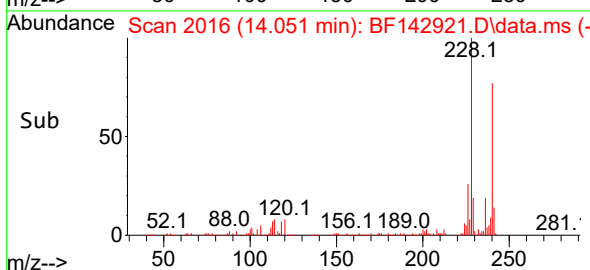
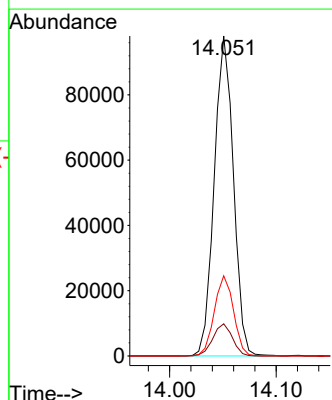
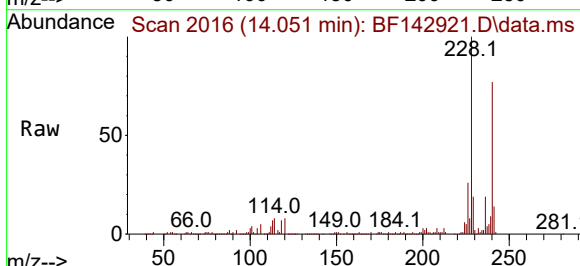
Instrument :
BNA_F
ClientSampleId :
MH-E/FMS

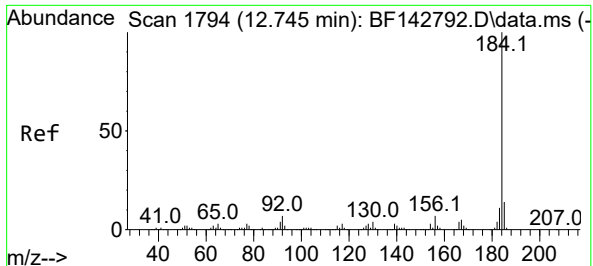
Tgt Ion:202 Resp: 468138
Ion Ratio Lower Upper
202 100
101 9.2 0.0 29.7
203 17.6 0.0 37.5



#76
Chrysene-d12
Concen: 20.000 ng
RT: 14.051 min Scan# 2016
Delta R.T. -0.006 min
Lab File: BF142921.D
Acq: 30 Jun 2025 18:13

Tgt Ion:240 Resp: 122398
Ion Ratio Lower Upper
240 100
120 10.0 8.2 12.2
236 25.1 19.8 29.8

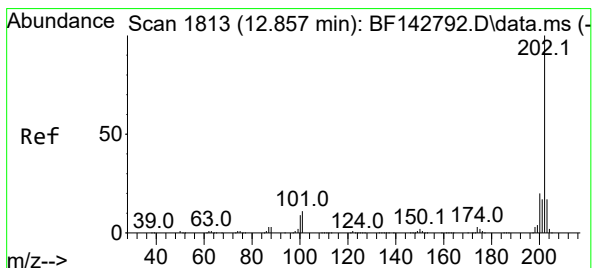
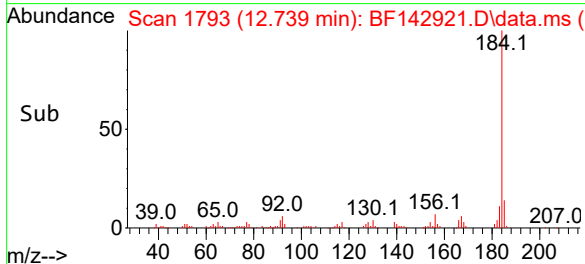
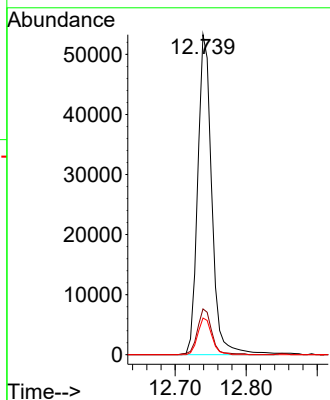
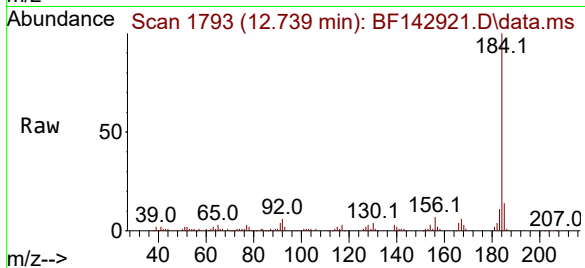




#77
Benzidine
Concen: 15.999 ng
RT: 12.739 min Scan# 1793
Delta R.T. -0.006 min
Lab File: BF142921.D
Acq: 30 Jun 2025 18:13

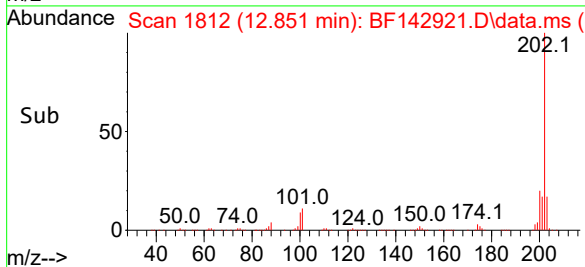
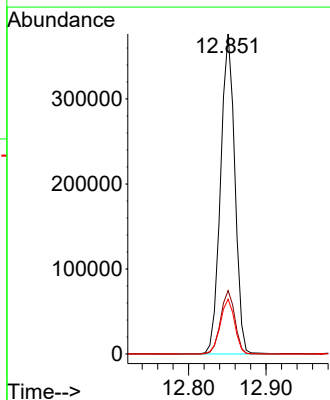
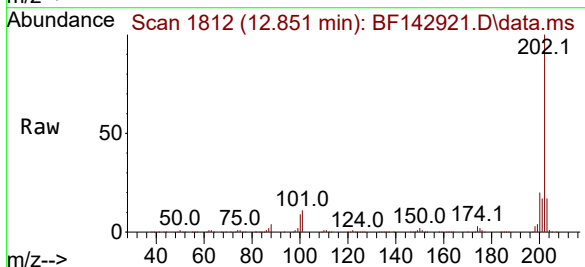
Instrument :
BNA_F
ClientSampleId :
MH-E/FMS

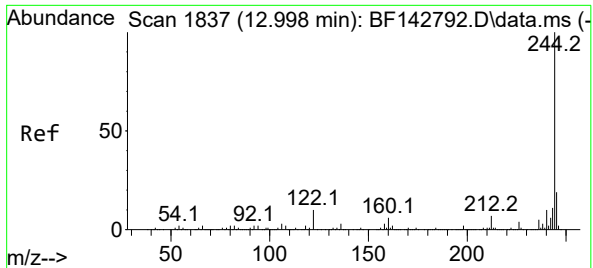
Tgt Ion:184 Resp: 73574
Ion Ratio Lower Upper
184 100
185 14.3 11.5 17.3
183 11.4 9.0 13.4



#78
Pyrene
Concen: 42.111 ng
RT: 12.851 min Scan# 1812
Delta R.T. -0.006 min
Lab File: BF142921.D
Acq: 30 Jun 2025 18:13

Tgt Ion:202 Resp: 483138
Ion Ratio Lower Upper
202 100
200 19.8 15.7 23.5
203 17.1 13.8 20.6





#79

Terphenyl-d14

Concen: 53.923 ng

RT: 12.992 min Scan# 1836

Delta R.T. -0.006 min

Lab File: BF142921.D

Acq: 30 Jun 2025 18:13

Instrument :

BNA_F

ClientSampleId :

MH-E/FMS

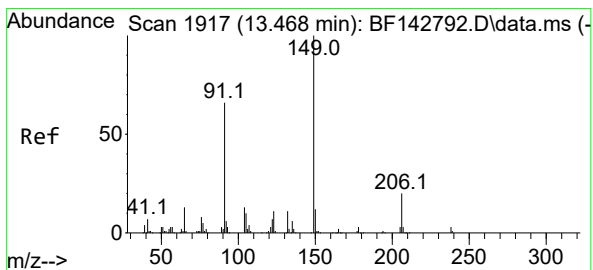
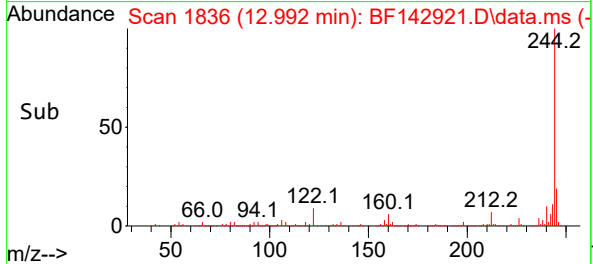
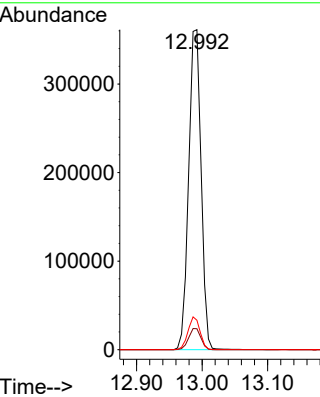
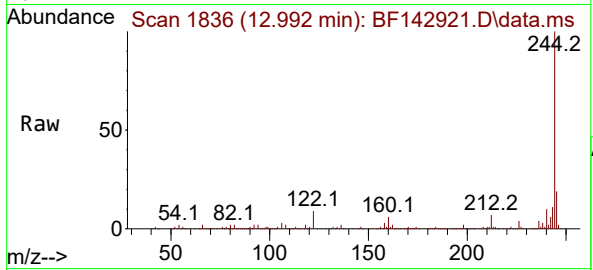
Tgt Ion:244 Resp: 477679

Ion Ratio Lower Upper

244 100

212 6.5 5.4 8.0

122 9.2 8.2 12.2



#80

Butylbenzylphthalate

Concen: 54.658 ng

RT: 13.463 min Scan# 1916

Delta R.T. -0.006 min

Lab File: BF142921.D

Acq: 30 Jun 2025 18:13

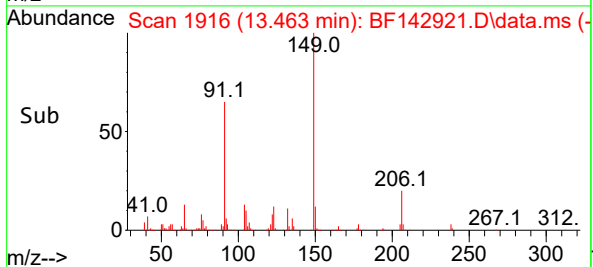
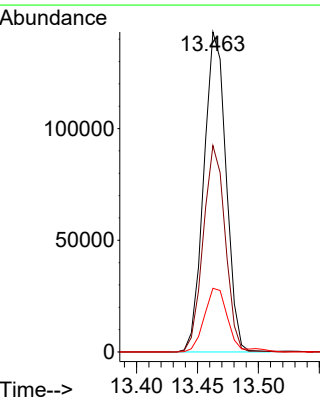
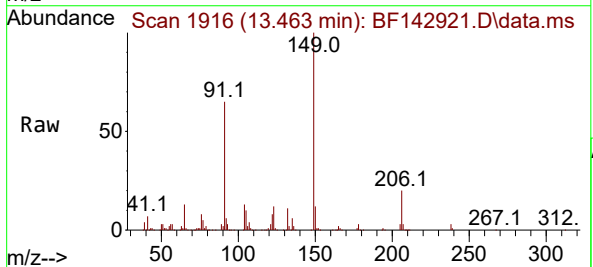
Tgt Ion:149 Resp: 181899

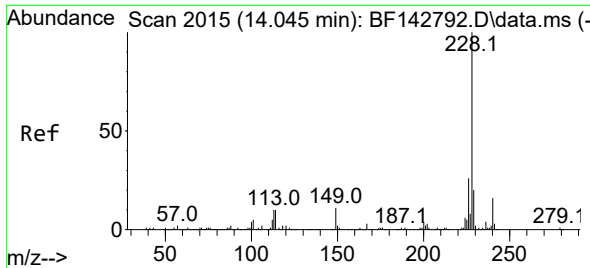
Ion Ratio Lower Upper

149 100

91 64.5 52.9 79.3

206 19.9 16.3 24.5

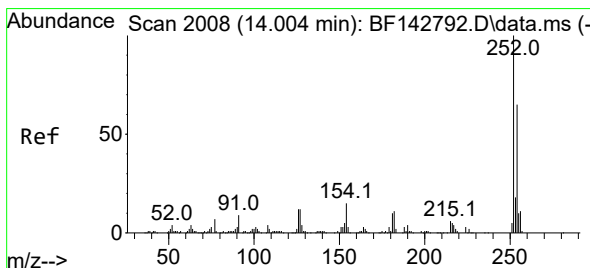
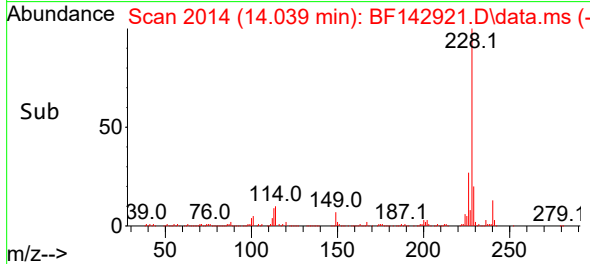
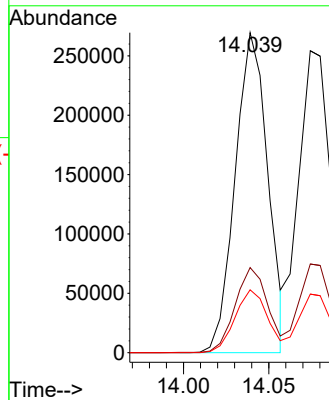
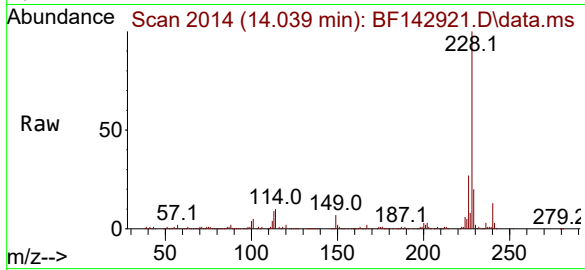




#81
Benzo(a)anthracene
Concen: 43.380 ng
RT: 14.039 min Scan# 2014
Delta R.T. -0.006 min
Lab File: BF142921.D
Acq: 30 Jun 2025 18:13

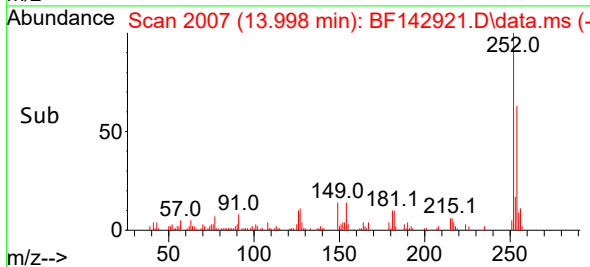
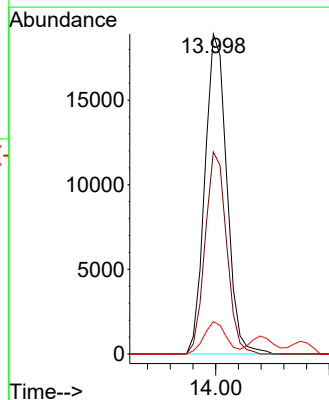
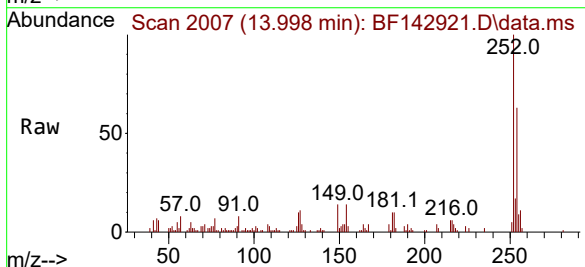
Instrument :
BNA_F
ClientSampleId :
MH-E/FMS

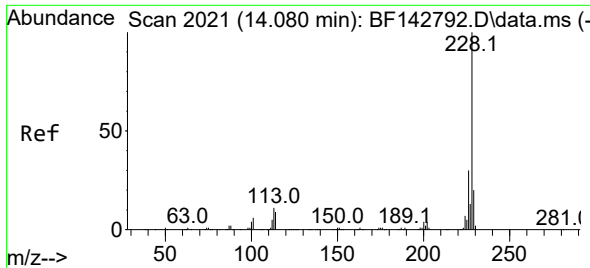
Tgt Ion:228 Resp: 358192
Ion Ratio Lower Upper
228 100
226 26.6 21.2 31.8
229 19.7 15.6 23.4



#82
3,3'-Dichlorobenzidine
Concen: 9.441 ng
RT: 13.998 min Scan# 2007
Delta R.T. -0.006 min
Lab File: BF142921.D
Acq: 30 Jun 2025 18:13

Tgt Ion:252 Resp: 25286
Ion Ratio Lower Upper
252 100
254 63.2 51.7 77.5
126 10.1 9.4 14.2





#83

Chrysene

Concen: 45.198 ng

RT: 14.074 min Scan# 2011

Delta R.T. -0.006 min

Lab File: BF142921.D

Acq: 30 Jun 2025 18:13

Instrument :

BNA_F

ClientSampleId :

MH-E/FMS

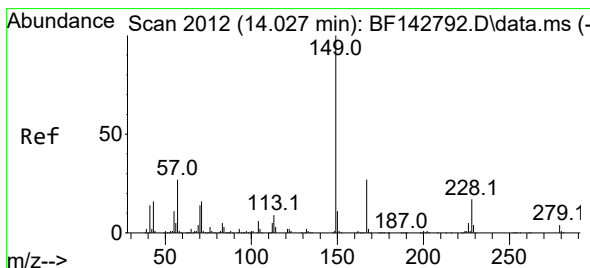
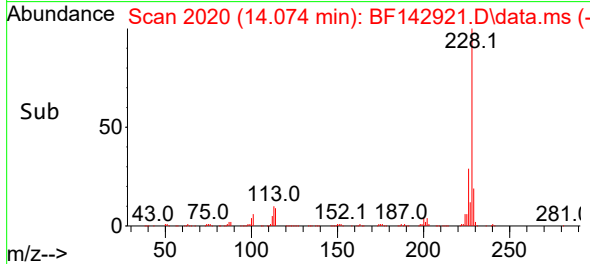
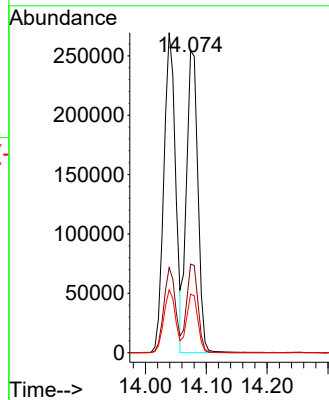
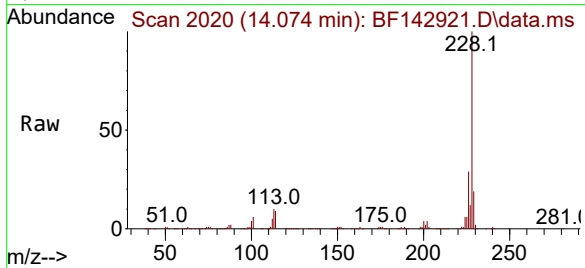
Tgt Ion:228 Resp: 333013

Ion Ratio Lower Upper

228 100

226 29.4 23.7 35.5

229 19.4 15.7 23.5



#84

Bis(2-ethylhexyl)phthalate

Concen: 51.203 ng

RT: 14.021 min Scan# 2011

Delta R.T. -0.006 min

Lab File: BF142921.D

Acq: 30 Jun 2025 18:13

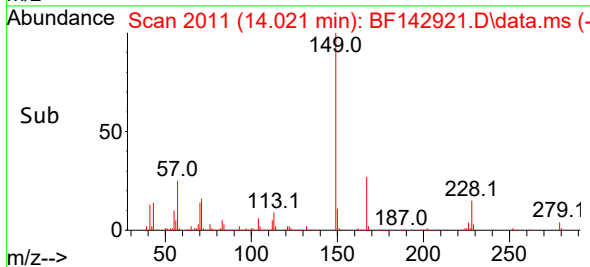
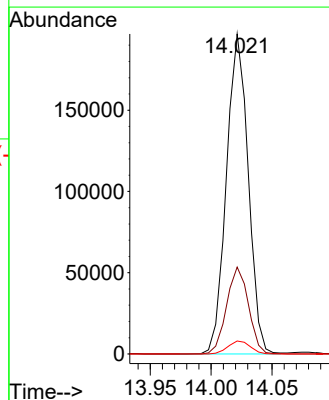
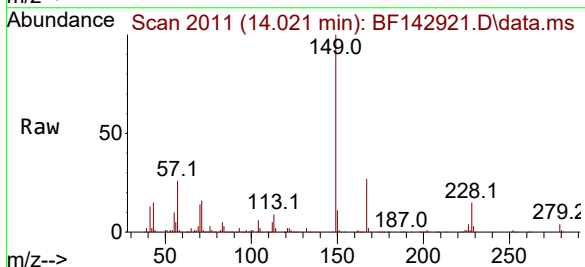
Tgt Ion:149 Resp: 245172

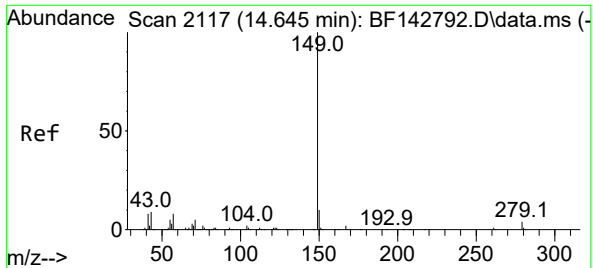
Ion Ratio Lower Upper

149 100

167 27.1 21.4 32.0

279 4.0 3.0 4.6

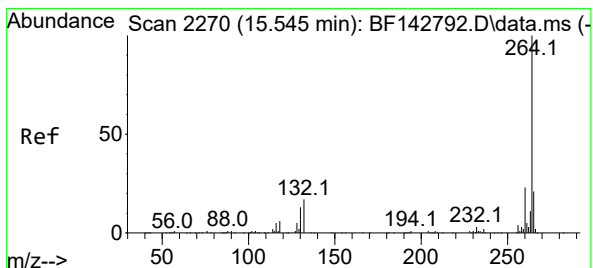
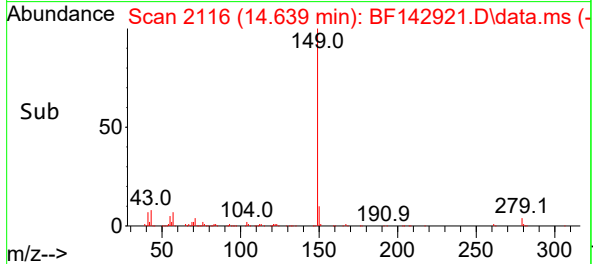
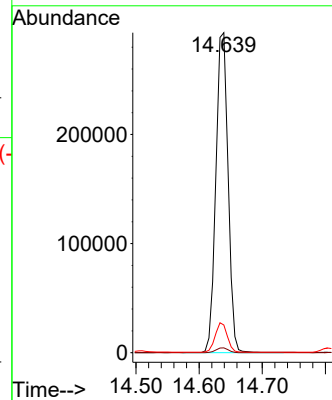
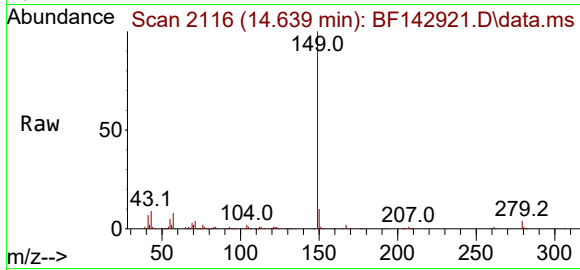




#85
Di-n-octyl phthalate
Concen: 43.648 ng
RT: 14.639 min Scan# 2116
Delta R.T. -0.006 min
Lab File: BF142921.D
Acq: 30 Jun 2025 18:13

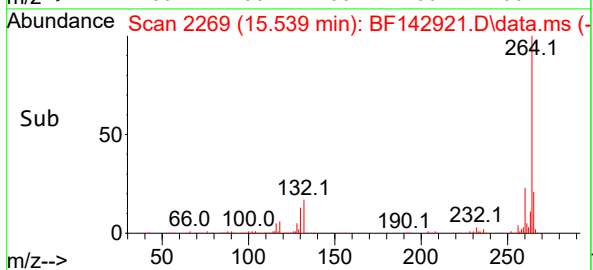
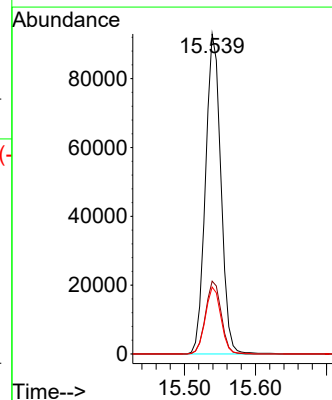
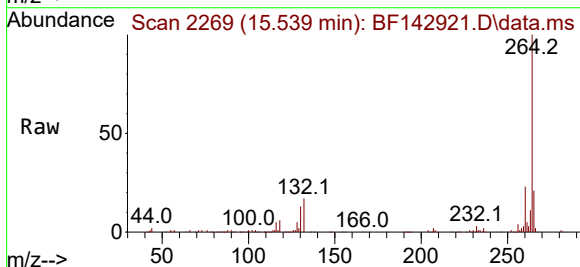
Instrument :
BNA_F
ClientSampleId :
MH-E/FMS

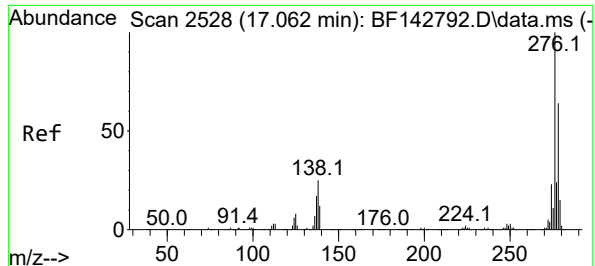
Tgt Ion:149 Resp: 394089
Ion Ratio Lower Upper
149 100
167 1.5 1.3 1.9
43 9.0 7.6 11.4



#86
Perylene-d12
Concen: 20.000 ng
RT: 15.539 min Scan# 2269
Delta R.T. -0.006 min
Lab File: BF142921.D
Acq: 30 Jun 2025 18:13

Tgt Ion:264 Resp: 140375
Ion Ratio Lower Upper
264 100
260 22.7 18.1 27.1
265 20.9 16.6 25.0





#87

Indeno(1,2,3-cd)pyrene

Concen: 40.488 ng

RT: 17.056 min Scan# 2195

Delta R.T. -0.006 min

Lab File: BF142921.D

Acq: 30 Jun 2025 18:13

Instrument :

BNA_F

ClientSampleId :

MH-E/FMS

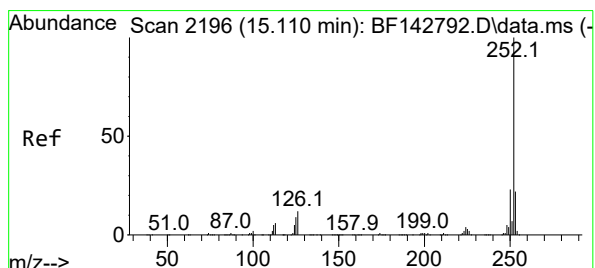
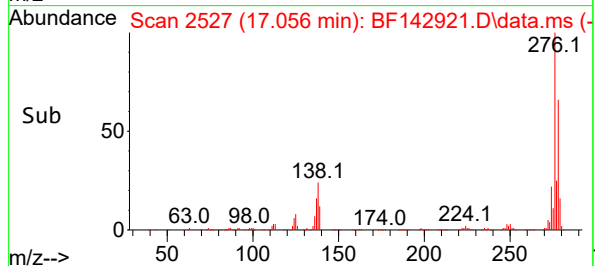
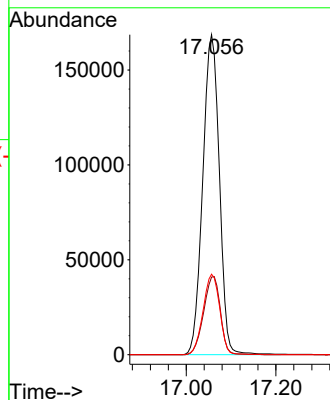
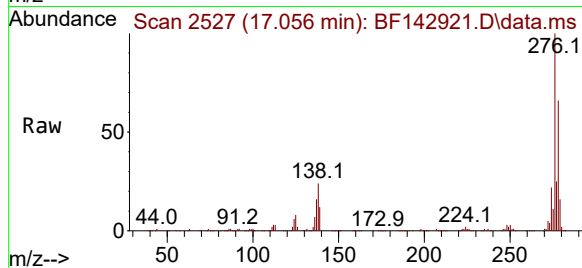
Tgt Ion:276 Resp: 432908

Ion Ratio Lower Upper

276 100

138 24.6 20.2 30.4

277 25.2 19.8 29.6



#88

Benzo(b)fluoranthene

Concen: 43.019 ng

RT: 15.104 min Scan# 2195

Delta R.T. -0.006 min

Lab File: BF142921.D

Acq: 30 Jun 2025 18:13

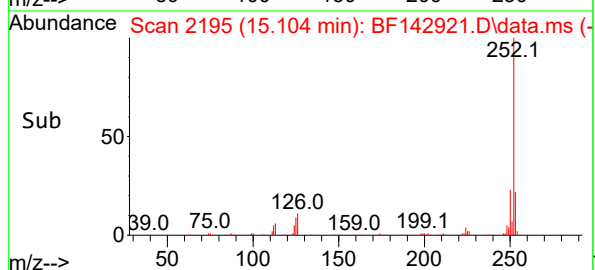
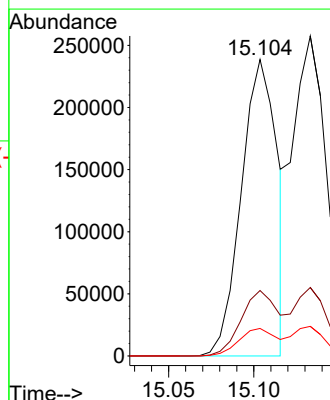
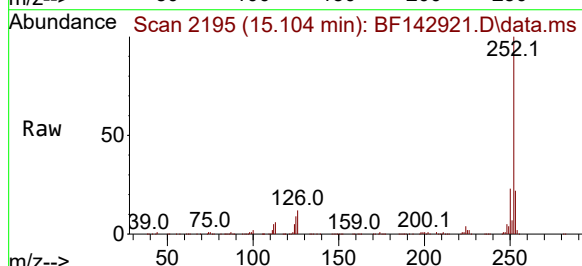
Tgt Ion:252 Resp: 349430

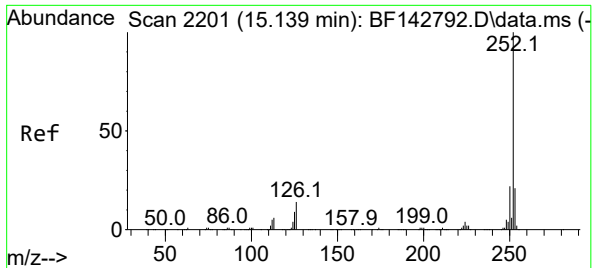
Ion Ratio Lower Upper

252 100

253 22.1 17.5 26.3

125 9.3 7.4 11.0





#89

Benzo(k)fluoranthene

Concen: 47.212 ng

RT: 15.133 min Scan# 21

Delta R.T. -0.006 min

Lab File: BF142921.D

Acq: 30 Jun 2025 18:13

Instrument :

BNA_F

ClientSampleId :

MH-E/FMS

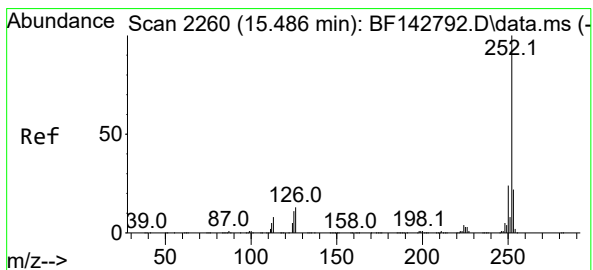
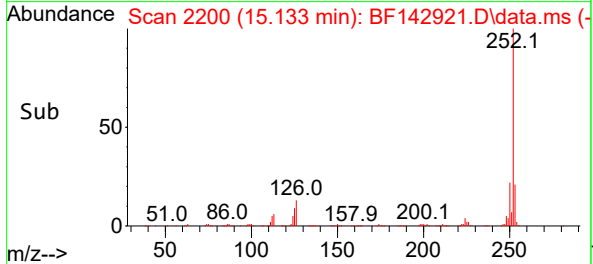
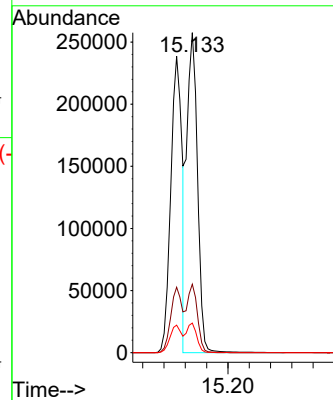
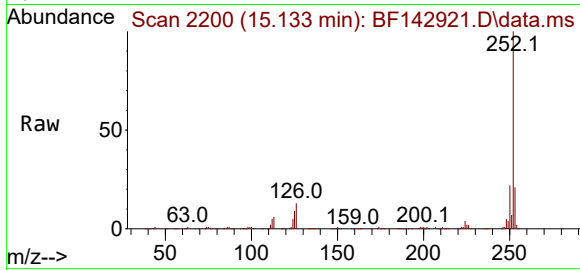
Tgt Ion:252 Resp: 358787

Ion Ratio Lower Upper

252 100

253 21.4 17.2 25.8

125 9.3 7.4 11.2



#90

Benzo(a)pyrene

Concen: 45.093 ng

RT: 15.480 min Scan# 2259

Delta R.T. -0.006 min

Lab File: BF142921.D

Acq: 30 Jun 2025 18:13

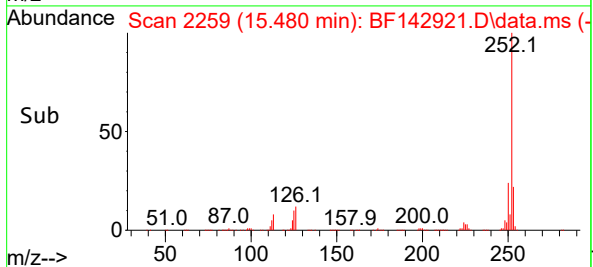
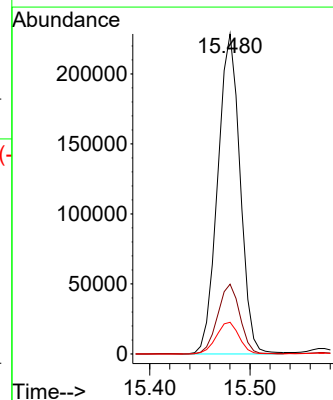
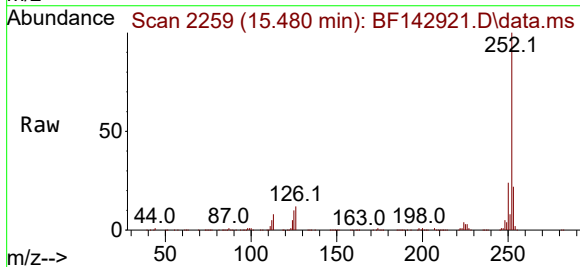
Tgt Ion:252 Resp: 353848

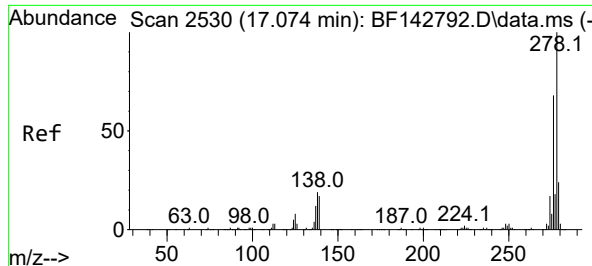
Ion Ratio Lower Upper

252 100

253 21.8 17.5 26.3

125 9.9 8.6 12.8





#91

Dibenzo(a,h)anthracene

Concen: 40.733 ng

RT: 17.068 min Scan# 21

Delta R.T. -0.006 min

Lab File: BF142921.D

Acq: 30 Jun 2025 18:13

Instrument :

BNA_F

ClientSampleId :

MH-E/FMS

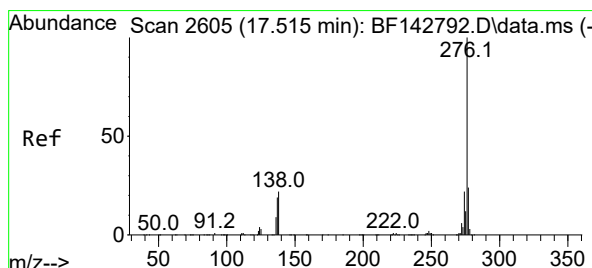
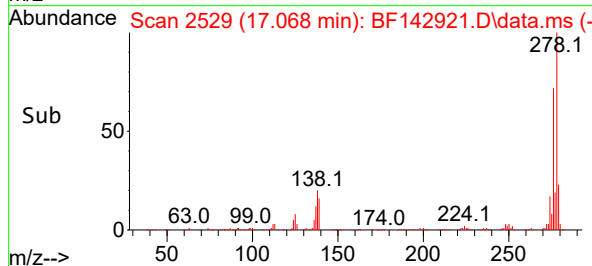
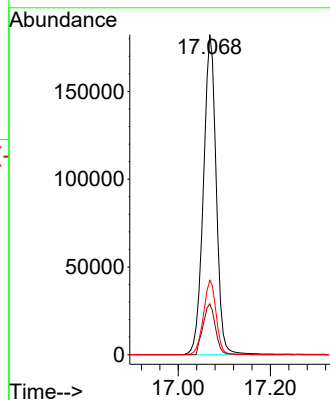
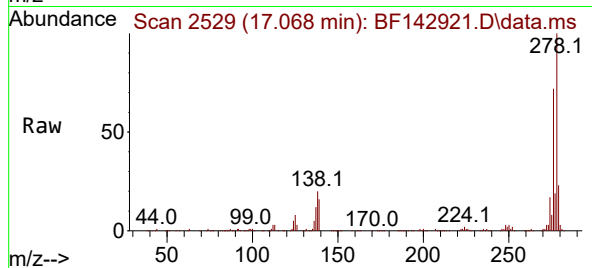
Tgt Ion:278 Resp: 353869

Ion Ratio Lower Upper

278 100

139 15.9 13.5 20.3

279 23.2 18.8 28.2



#92

Benzo(g,h,i)perylene

Concen: 39.824 ng

RT: 17.515 min Scan# 2605

Delta R.T. 0.000 min

Lab File: BF142921.D

Acq: 30 Jun 2025 18:13

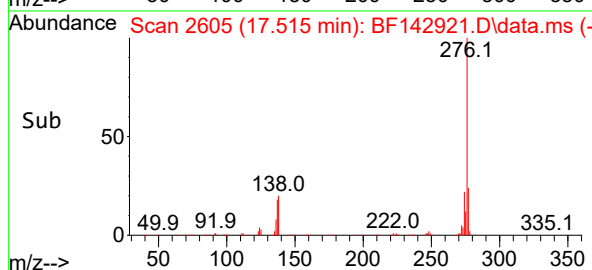
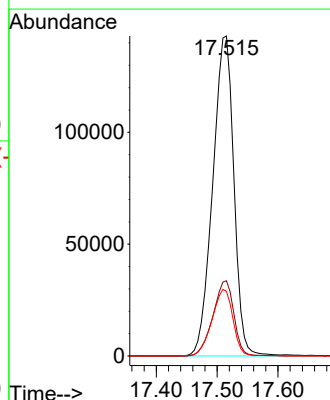
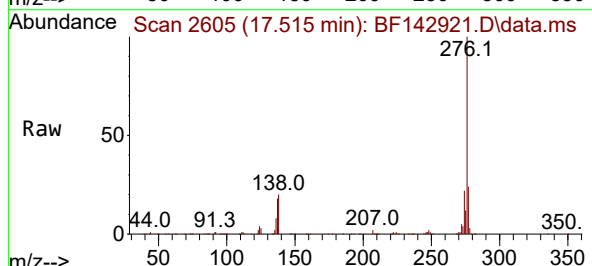
Tgt Ion:276 Resp: 344992

Ion Ratio Lower Upper

276 100

277 23.5 18.8 28.2

138 20.2 17.6 26.4



Report of Analysis

Client:	CDM Smith	Date Collected:	06/26/25
Project:	South River WM Replacement	Date Received:	06/26/25
Client Sample ID:	MH-E/FMSD	SDG No.:	Q2436
Lab Sample ID:	Q2430-01MSD	Matrix:	SOIL
Analytical Method:	8270E	% Solid:	88.2
Sample Wt/Vol:	50.09 Units: g	Final Vol:	1000 uL
Soil Aliquot Vol:	uL	Test:	SVOC-TCL BNA -20
Extraction Type :	Decanted : N	Level :	LOW
Injection Volume :	GPC Factor : 1.0	GPC Cleanup :	N PH :
Prep Method :	SW3541		

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
BF142922.D	1	06/27/25 11:20	06/30/25 18:43	PB168649

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units(Dry Weight)
TARGETS						
100-52-7	Benzaldehyde	650		110	220	ug/Kg
108-95-2	Phenol	940		15.0	120	ug/Kg
111-44-4	bis(2-Chloroethyl)ether	980		16.5	120	ug/Kg
95-57-8	2-Chlorophenol	990		16.6	120	ug/Kg
95-48-7	2-Methylphenol	980		20.3	120	ug/Kg
108-60-1	2,2-oxybis(1-Chloropropane)	910		25.5	120	ug/Kg
98-86-2	Acetophenone	1000		20.0	120	ug/Kg
65794-96-9	3+4-Methylphenols	1000		27.9	220	ug/Kg
621-64-7	n-Nitroso-di-n-propylamine	990		32.2	54.3	ug/Kg
67-72-1	Hexachloroethane	990		12.0	120	ug/Kg
98-95-3	Nitrobenzene	970		12.4	120	ug/Kg
78-59-1	Isophorone	980		22.3	120	ug/Kg
88-75-5	2-Nitrophenol	1000		39.5	120	ug/Kg
105-67-9	2,4-Dimethylphenol	970		44.0	120	ug/Kg
111-91-1	bis(2-Chloroethoxy)methane	980		20.9	120	ug/Kg
120-83-2	2,4-Dichlorophenol	990		19.2	120	ug/Kg
91-20-3	Naphthalene	980		15.4	120	ug/Kg
106-47-8	4-Chloroaniline	340		24.0	120	ug/Kg
87-68-3	Hexachlorobutadiene	990		17.2	120	ug/Kg
105-60-2	Caprolactam	1100		35.4	220	ug/Kg
59-50-7	4-Chloro-3-methylphenol	1000		19.5	120	ug/Kg
91-57-6	2-Methylnaphthalene	980		17.4	120	ug/Kg
77-47-4	Hexachlorocyclopentadiene	1800	E	78.8	220	ug/Kg
88-06-2	2,4,6-Trichlorophenol	970		13.4	120	ug/Kg
95-95-4	2,4,5-Trichlorophenol	960		19.8	120	ug/Kg
92-52-4	1,1-Biphenyl	990		14.8	120	ug/Kg
91-58-7	2-Chloronaphthalene	980		15.3	120	ug/Kg
88-74-4	2-Nitroaniline	1000		32.7	120	ug/Kg
131-11-3	Dimethylphthalate	1000		18.4	120	ug/Kg

Report of Analysis

Client:	CDM Smith	Date Collected:	06/26/25
Project:	South River WM Replacement	Date Received:	06/26/25
Client Sample ID:	MH-E/FMSD	SDG No.:	Q2436
Lab Sample ID:	Q2430-01MSD	Matrix:	SOIL
Analytical Method:	8270E	% Solid:	88.2
Sample Wt/Vol:	50.09 Units: g	Final Vol:	1000 uL
Soil Aliquot Vol:	uL	Test:	SVOC-TCL BNA -20
Extraction Type :	Decanted : N	Level :	LOW
Injection Volume :	GPC Factor : 1.0	GPC Cleanup :	N PH :
Prep Method :	SW3541		

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
BF142922.D	1	06/27/25 11:20	06/30/25 18:43	PB168649

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units(Dry Weight)
208-96-8	Acenaphthylene	980		19.6	120	ug/Kg
606-20-2	2,6-Dinitrotoluene	1000		22.8	120	ug/Kg
99-09-2	3-Nitroaniline	550		31.2	120	ug/Kg
83-32-9	Acenaphthene	1000		14.5	120	ug/Kg
51-28-5	2,4-Dinitrophenol	1500		160	220	ug/Kg
100-02-7	4-Nitrophenol	1900	E	72.7	220	ug/Kg
132-64-9	Dibenzofuran	980		15.4	120	ug/Kg
121-14-2	2,4-Dinitrotoluene	1000		34.0	120	ug/Kg
84-66-2	Diethylphthalate	1100		19.2	120	ug/Kg
7005-72-3	4-Chlorophenyl-phenylether	990		18.1	120	ug/Kg
86-73-7	Fluorene	990		17.2	120	ug/Kg
100-01-6	4-Nitroaniline	990		43.6	120	ug/Kg
534-52-1	4,6-Dinitro-2-methylphenol	940		69.9	220	ug/Kg
86-30-6	n-Nitrosodiphenylamine	1000		22.3	120	ug/Kg
101-55-3	4-Bromophenyl-phenylether	1000		18.9	120	ug/Kg
118-74-1	Hexachlorobenzene	1000		17.2	120	ug/Kg
1912-24-9	Atrazine	1200		23.1	120	ug/Kg
87-86-5	Pentachlorophenol	1800	E	34.8	220	ug/Kg
85-01-8	Phenanthrene	1000		14.2	120	ug/Kg
120-12-7	Anthracene	1000		22.6	120	ug/Kg
86-74-8	Carbazole	1000		21.2	120	ug/Kg
84-74-2	Di-n-butylphthalate	1200		32.5	120	ug/Kg
206-44-0	Fluoranthene	1000		20.4	120	ug/Kg
129-00-0	Pyrene	950		24.4	120	ug/Kg
85-68-7	Butylbenzylphthalate	1200		48.5	120	ug/Kg
91-94-1	3,3-Dichlorobenzidine	340		24.9	220	ug/Kg
56-55-3	Benzo(a)anthracene	980		15.6	120	ug/Kg
218-01-9	Chrysene	1000		13.5	120	ug/Kg
117-81-7	Bis(2-ethylhexyl)phthalate	1200		40.2	120	ug/Kg
117-84-0	Di-n-octyl phthalate	1000		58.9	220	ug/Kg
205-99-2	Benzo(b)fluoranthene	1100		12.9	120	ug/Kg

Report of Analysis

Client:	CDM Smith	Date Collected:	06/26/25
Project:	South River WM Replacement	Date Received:	06/26/25
Client Sample ID:	MH-E/FMSD	SDG No.:	Q2436
Lab Sample ID:	Q2430-01MSD	Matrix:	SOIL
Analytical Method:	8270E	% Solid:	88.2
Sample Wt/Vol:	50.09 Units: g	Final Vol:	1000 uL
Soil Aliquot Vol:	uL	Test:	SVOC-TCL BNA -20
Extraction Type :	Decanted : N	Level :	LOW
Injection Volume :	GPC Factor : 1.0	GPC Cleanup :	N PH :
Prep Method :	SW3541		

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
BF142922.D	1	06/27/25 11:20	06/30/25 18:43	PB168649

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units(Dry Weight)
207-08-9	Benzo(k)fluoranthene	950		15.2	120	ug/Kg
50-32-8	Benzo(a)pyrene	1000		20.0	120	ug/Kg
193-39-5	Indeno(1,2,3-cd)pyrene	920		19.8	120	ug/Kg
53-70-3	Dibenzo(a,h)anthracene	910		18.6	120	ug/Kg
191-24-2	Benzo(g,h,i)perylene	890		17.5	120	ug/Kg
95-94-3	1,2,4,5-Tetrachlorobenzene	990		17.4	120	ug/Kg
123-91-1	1,4-Dioxane	840		30.7	120	ug/Kg
58-90-2	2,3,4,6-Tetrachlorophenol	970		18.6	120	ug/Kg
SURROGATES						
367-12-4	2-Fluorophenol	89.4		18 - 112	60%	SPK: 150
13127-88-3	Phenol-d6	90.0		15 - 107	60%	SPK: 150
4165-60-0	Nitrobenzene-d5	56.7		18 - 107	57%	SPK: 100
321-60-8	2-Fluorobiphenyl	55.7		20 - 109	56%	SPK: 100
118-79-6	2,4,6-Tribromophenol	93.7		10 - 116	62%	SPK: 150
1718-51-0	Terphenyl-d14	53.5		10 - 105	53%	SPK: 100
INTERNAL STANDARDS						
3855-82-1	1,4-Dichlorobenzene-d4	69000	6.875			
1146-65-2	Naphthalene-d8	260000	8.157			
15067-26-2	Acenaphthene-d10	136000	9.916			
1517-22-2	Phenanthrene-d10	223000	11.404			
1719-03-5	Chrysene-d12	131000	14.051			
1520-96-3	Perylene-d12	155000	15.545			

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\BF063025\
 Data File : BF142922.D
 Acq On : 30 Jun 2025 18:43
 Operator : RC/JU
 Sample : Q2430-01MSD
 Misc :
 ALS Vial : 8 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 MH-E/FMSD

Quant Time: Jul 01 01:23:26 2025
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF061925.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Tue Jun 24 05:28:21 2025
 Response via : Initial Calibration

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

Internal Standards						
1) 1,4-Dichlorobenzene-d4	6.875	152	69029	20.000	ng	0.00
21) Naphthalene-d8	8.157	136	260392	20.000	ng	-0.01
39) Acenaphthene-d10	9.916	164	136177	20.000	ng	0.00
64) Phenanthrene-d10	11.404	188	223120	20.000	ng	0.00
76) Chrysene-d12	14.051	240	130553	20.000	ng	0.00
86) Perylene-d12	15.545	264	155370	20.000	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.499	112	370492	89.360	ng	0.00
7) Phenol-d6	6.504	99	440097	89.971	ng	0.00
23) Nitrobenzene-d5	7.440	82	269098	56.685	ng	0.00
42) 2,4,6-Tribromophenol	10.710	330	131278	93.679	ng	0.00
45) 2-Fluorobiphenyl	9.234	172	577161	55.678	ng	-0.01
79) Terphenyl-d14	12.992	244	505216	53.469	ng	0.00
Target Compounds						
						Qvalue
2) 1,4-Dioxane	2.687	88	61188	36.897	ng	99
3) Pyridine	3.452	79	160965	38.718	ng	98
4) n-Nitrosodimethylamine	3.405	42	89864	41.800	ng	99
6) Aniline	6.534	93	180021	27.659	ng	# 80
8) 2-Chlorophenol	6.657	128	195551	43.724	ng	98
9) Benzaldehyde	6.422	77	82944	28.581	ng	99
10) Phenol	6.522	94	224920	41.366	ng	93
11) bis(2-Chloroethyl)ether	6.610	93	167705	43.155	ng	98
12) 1,3-Dichlorobenzene	6.816	146	211593	42.303	ng	100
13) 1,4-Dichlorobenzene	6.893	146	216732	42.947	ng	99
14) 1,2-Dichlorobenzene	7.046	146	208272	43.512	ng	100
15) Benzyl Alcohol	7.016	79	154524	43.697	ng	99
16) 2,2'-oxybis(1-Chloropr...	7.146	45	252038	40.367	ng	89
17) 2-Methylphenol	7.128	107	146010	43.080	ng	98
18) Hexachloroethane	7.387	117	77542	43.930	ng	98
19) n-Nitroso-di-n-propyla...	7.287	70	124595	43.795	ng	97
20) 3+4-Methylphenols	7.281	107	185984	44.011	ng	94
22) Acetophenone	7.281	105	254768	44.368	ng	98
24) Nitrobenzene	7.457	77	185046	43.067	ng	99
25) Isophorone	7.698	82	328702	43.163	ng	99
26) 2-Nitrophenol	7.775	139	106824	45.639	ng	99
27) 2,4-Dimethylphenol	7.810	122	173917	42.897	ng	99
28) bis(2-Chloroethoxy)met...	7.904	93	210122	43.400	ng	99
29) 2,4-Dichlorophenol	8.016	162	160870	43.760	ng	99
30) 1,2,4-Trichlorobenzene	8.098	180	176293	43.612	ng	99
31) Naphthalene	8.181	128	550826	43.216	ng	99
32) Benzoic acid	7.928	122	79245	38.348	ng	100
33) 4-Chloroaniline	8.228	127	78285	15.105	ng	99
34) Hexachlorobutadiene	8.293	225	107799	43.597	ng	99
35) Caprolactam	8.598	113	46482	47.917	ng	97
36) 4-Chloro-3-methylphenol	8.716	107	161367	44.168	ng	98
37) 2-Methylnaphthalene	8.869	142	343085	43.418	ng	99
38) 1-Methylnaphthalene	8.969	142	355644	43.478	ng	100
40) 1,2,4,5-Tetrachloroben...	9.040	216	175858	43.766	ng	99
41) Hexachlorocyclopentadiene	9.022	237	184655	80.981	ng	100
43) 2,4,6-Trichlorophenol	9.151	196	112230	42.863	ng	100

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF063025\
 Data File : BF142922.D
 Acq On : 30 Jun 2025 18:43
 Operator : RC/JU
 Sample : Q2430-01MSD
 Misc :
 ALS Vial : 8 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 MH-E/FMSD

Quant Time: Jul 01 01:23:26 2025
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF061925.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Tue Jun 24 05:28:21 2025
 Response via : Initial Calibration

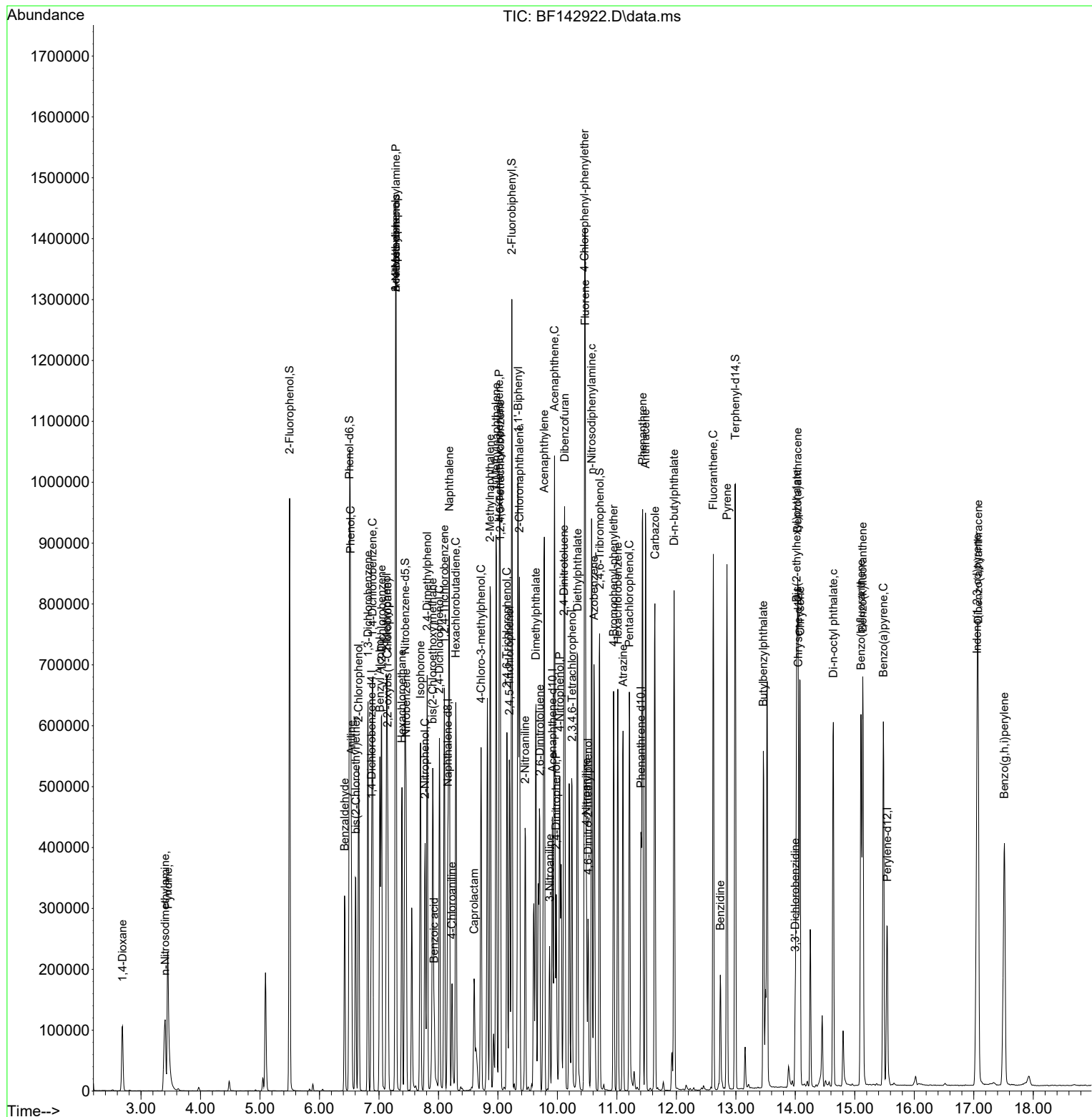
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
44) 2,4,5-Trichlorophenol	9.192	196	116734	42.353	ng	98
46) 1,1'-Biphenyl	9.340	154	471999	43.877	ng	100
47) 2-Chloronaphthalene	9.363	162	348294	43.146	ng	100
48) 2-Nitroaniline	9.457	65	99686	44.047	ng	99
49) Acenaphthylene	9.781	152	575988	43.343	ng	100
50) Dimethylphthalate	9.639	163	399236	45.292	ng	100
51) 2,6-Dinitrotoluene	9.704	165	88111	45.516	ng	95
52) Acenaphthene	9.951	154	372582	45.952	ng	99
53) 3-Nitroaniline	9.869	138	52145	24.466	ng	98
54) 2,4-Dinitrophenol	9.981	184	64050	66.079	ng	99
55) Dibenzofuran	10.122	168	500815	43.075	ng	99
56) 4-Nitrophenol	10.039	139	122356	83.856	ng	97
57) 2,4-Dinitrotoluene	10.110	165	116615	45.352	ng	95
58) Fluorene	10.469	166	398241	43.858	ng	100
59) 2,3,4,6-Tetrachlorophenol	10.245	232	95423	42.951	ng	97
60) Diethylphthalate	10.339	149	407136	47.107	ng	99
61) 4-Chlorophenyl-phenyle...	10.457	204	190334	43.927	ng	99
62) 4-Nitroaniline	10.486	138	85223	43.721	ng	98
63) Azobenzene	10.616	77	359391	46.526	ng	98
65) 4,6-Dinitro-2-methylph...	10.516	198	55973	41.474	ng	97
66) n-Nitrosodiphenylamine	10.575	169	341361	44.145	ng	99
67) 4-Bromophenyl-phenylether	10.945	248	113116	44.546	ng	96
68) Hexachlorobenzene	11.016	284	125535	44.491	ng	99
69) Atrazine	11.104	200	104911	52.538	ng	100
70) Pentachlorophenol	11.210	266	113384	80.643	ng	99
71) Phenanthrene	11.433	178	536432	44.383	ng	100
72) Anthracene	11.481	178	546217	44.065	ng	99
73) Carbazole	11.639	167	471711	44.097	ng	100
74) Di-n-butylphthalate	11.963	149	594954	53.390	ng	100
75) Fluoranthene	12.622	202	511971	44.633	ng	99
77) Benzidine	12.739	184	107520	21.920	ng	99
78) Pyrene	12.851	202	513149	41.933	ng	99
80) Butylbenzylphthalate	13.463	149	193223	54.434	ng	99
81) Benzo(a)anthracene	14.039	228	380347	43.186	ng	100
82) 3,3'-Dichlorobenzidine	13.998	252	42802	14.983	ng	100
83) Chrysene	14.080	228	358185	45.577	ng	100
84) Bis(2-ethylhexyl)phtha...	14.022	149	261938	51.288	ng	100
85) Di-n-octyl phthalate	14.639	149	431716	44.829	ng	99
87) Indeno(1,2,3-cd)pyrene	17.057	276	478743	40.454	ng	99
88) Benzo(b)fluoranthene	15.104	252	425666	47.347	ng	100
89) Benzo(k)fluoranthene	15.133	252	352185	41.871	ng	99
90) Benzo(a)pyrene	15.480	252	390663	44.980	ng	100
91) Dibenzo(a,h)anthracene	17.074	278	388256	40.378	ng	98
92) Benzo(g,h,i)perylene	17.515	276	378974	39.524	ng	98

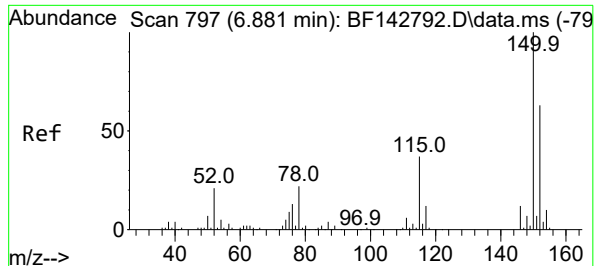
(#) = qualifier out of range (m) = manual integration (+) = signals summed


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Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF063025\  
Data File : BF142922.D  
Acq On    : 30 Jun 2025  18:43  
Operator  : RC/JU  
Sample    : Q2430-01MSD  
Misc      :  
ALS Vial  : 8    Sample Multiplier: 1
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Instrument :
BNA_F
ClientSampleId :
MH-E/FMSD

Quant Time: Jul 01 01:23:26 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF061925.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Tue Jun 24 05:28:21 2025
Response via : Initial Calibration

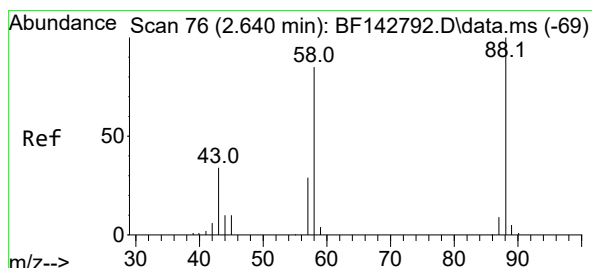
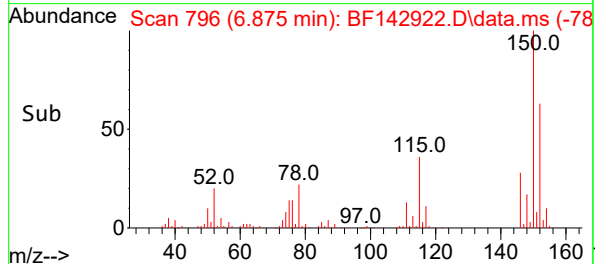
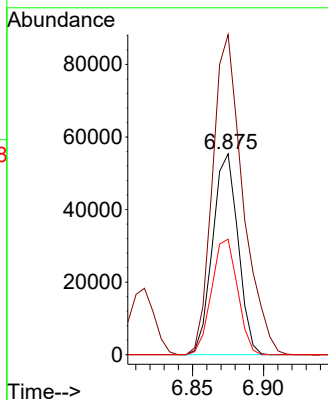
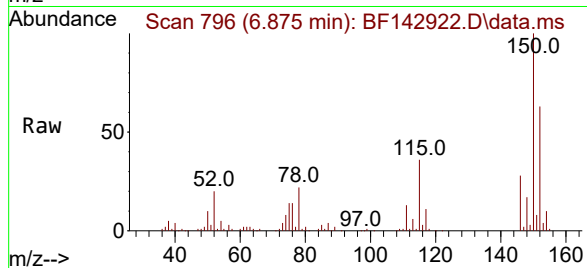




#1
 1,4-Dichlorobenzene-d4
 Concen: 20.000 ng
 RT: 6.875 min Scan# 79
 Delta R.T. -0.006 min
 Lab File: BF142922.D
 Acq: 30 Jun 2025 18:43

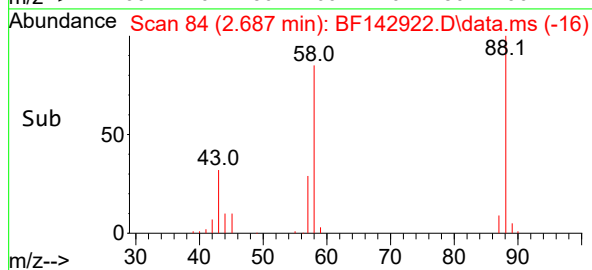
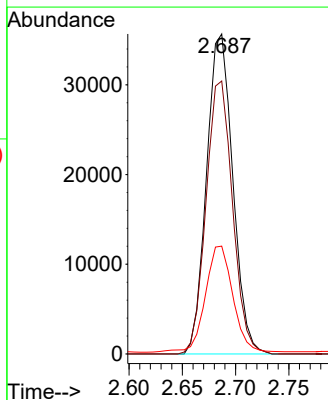
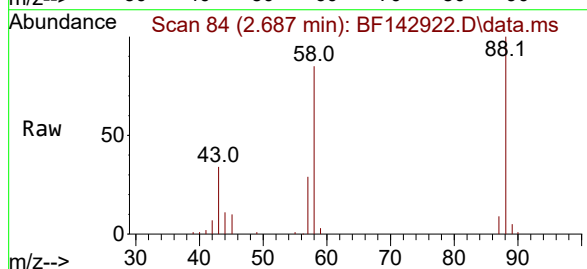
Instrument :
 BNA_F
 ClientSampleId :
 MH-E/FMSD

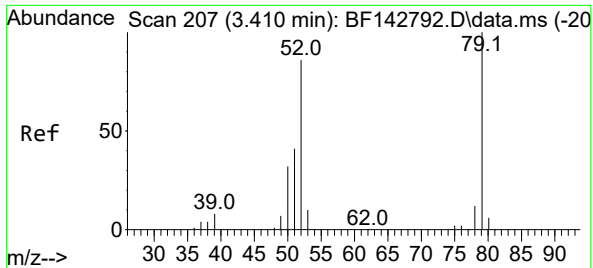
Tgt Ion:152 Resp: 69029
 Ion Ratio Lower Upper
 152 100
 150 159.3 127.2 190.8
 115 57.5 46.6 69.8



#2
 1,4-Dioxane
 Concen: 36.897 ng
 RT: 2.687 min Scan# 84
 Delta R.T. 0.047 min
 Lab File: BF142922.D
 Acq: 30 Jun 2025 18:43

Tgt Ion: 88 Resp: 61188
 Ion Ratio Lower Upper
 88 100
 58 86.1 69.1 103.7
 43 34.9 27.4 41.2





#3

Pyridine

Concen: 38.718 ng

RT: 3.452 min Scan# 21

Delta R.T. 0.041 min

Lab File: BF142922.D

Acq: 30 Jun 2025 18:43

Instrument :

BNA_F

ClientSampleId :

MH-E/FMSD

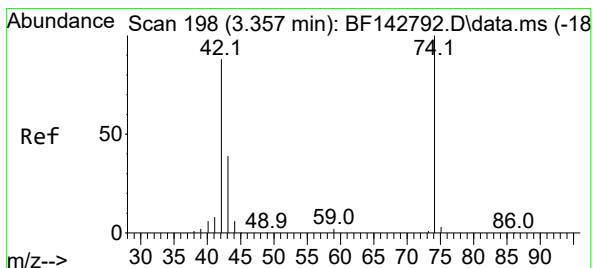
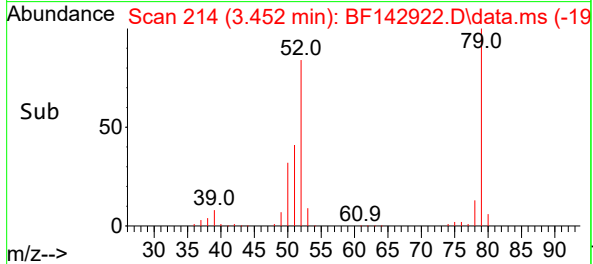
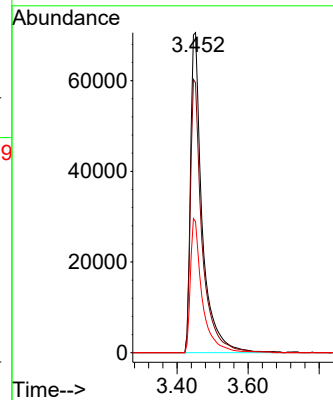
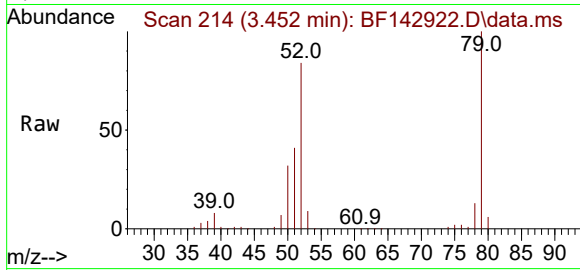
Tgt Ion: 79 Resp: 160965

Ion Ratio Lower Upper

79 100

52 84.4 69.2 103.8

51 41.0 33.2 49.8



#4

n-Nitrosodimethylamine

Concen: 41.800 ng

RT: 3.405 min Scan# 206

Delta R.T. 0.047 min

Lab File: BF142922.D

Acq: 30 Jun 2025 18:43

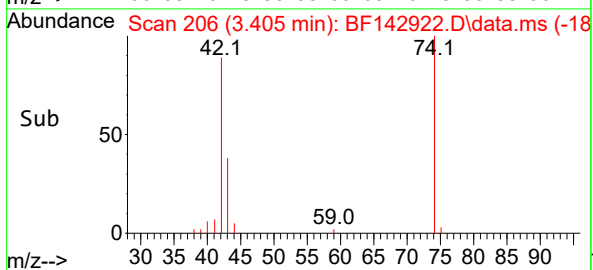
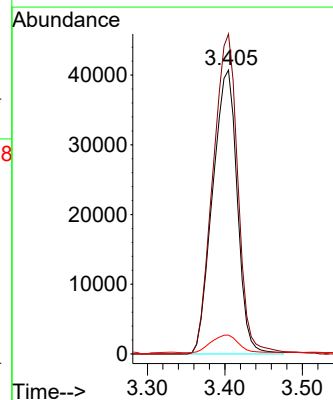
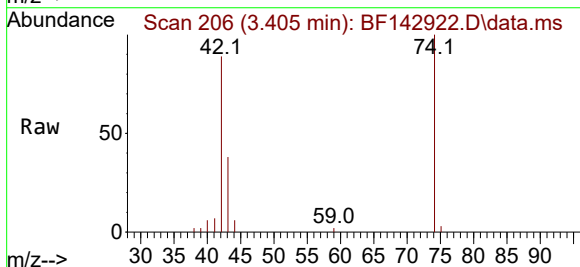
Tgt Ion: 42 Resp: 89864

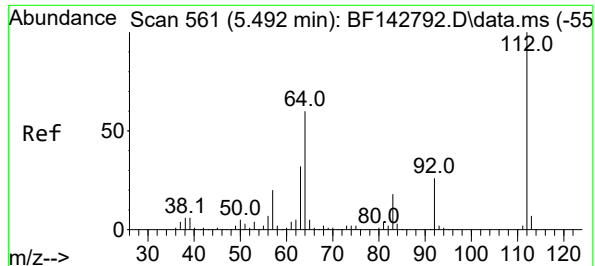
Ion Ratio Lower Upper

42 100

74 112.8 90.9 136.3

44 6.6 5.8 8.6





#5

2-Fluorophenol

Concen: 89.360 ng

RT: 5.499 min Scan# 50

Delta R.T. 0.007 min

Lab File: BF142922.D

Acq: 30 Jun 2025 18:43

Instrument :

BNA_F

ClientSampleId :

MH-E/FMSD

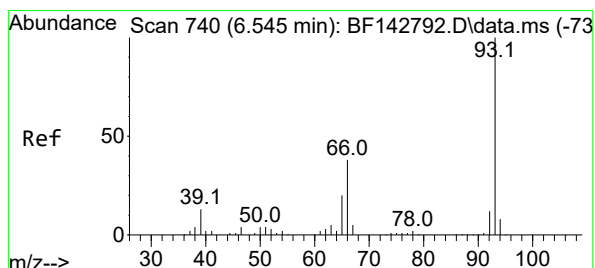
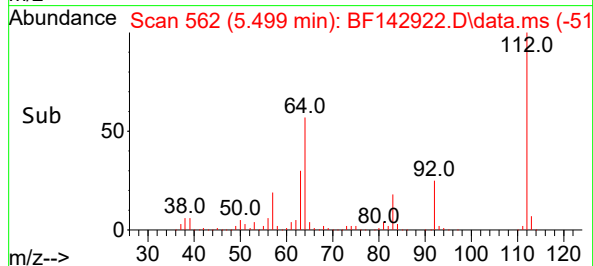
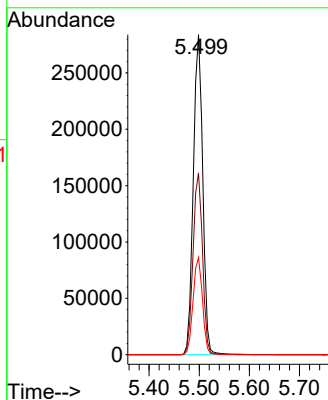
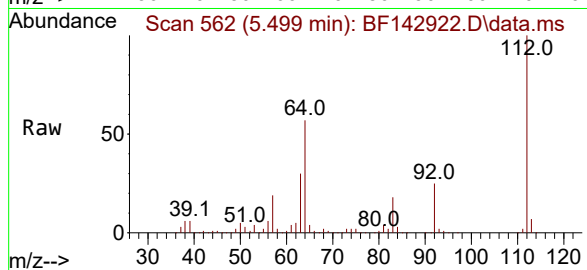
Tgt Ion:112 Resp: 370492

Ion Ratio Lower Upper

112 100

64 56.8 48.2 72.2

63 30.3 25.7 38.5



#6

Aniline

Concen: 27.659 ng

RT: 6.534 min Scan# 738

Delta R.T. -0.012 min

Lab File: BF142922.D

Acq: 30 Jun 2025 18:43

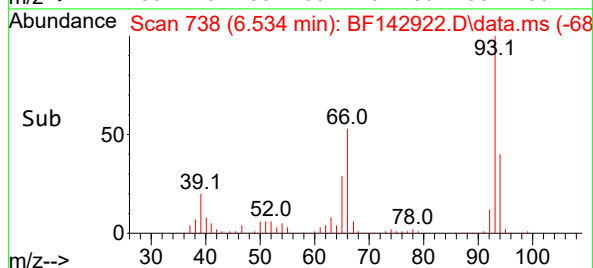
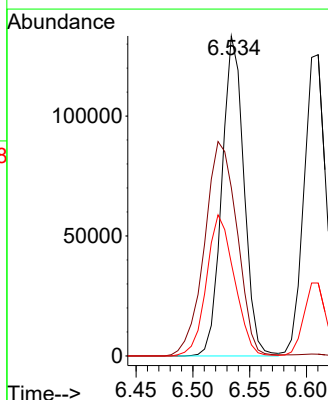
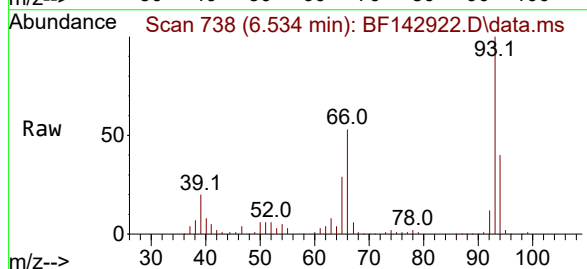
Tgt Ion: 93 Resp: 180021

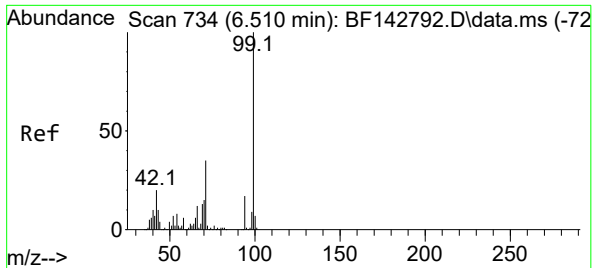
Ion Ratio Lower Upper

93 100

66 52.6 31.8 47.6#

65 29.0 16.2 24.2#

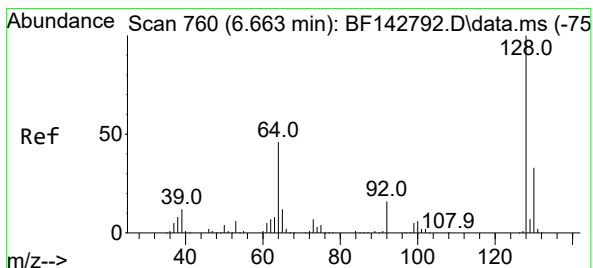
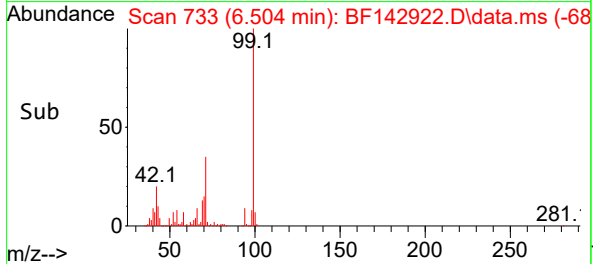
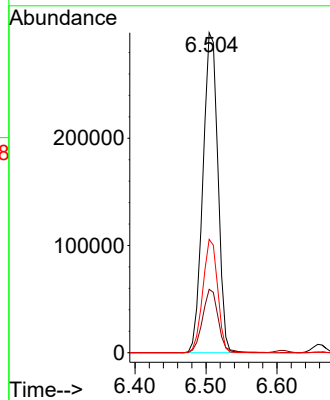
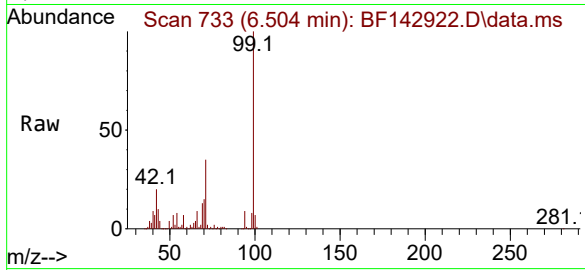




#7
Phenol-d6
Concen: 89.971 ng
RT: 6.504 min Scan# 71
Delta R.T. -0.006 min
Lab File: BF142922.D
Acq: 30 Jun 2025 18:43

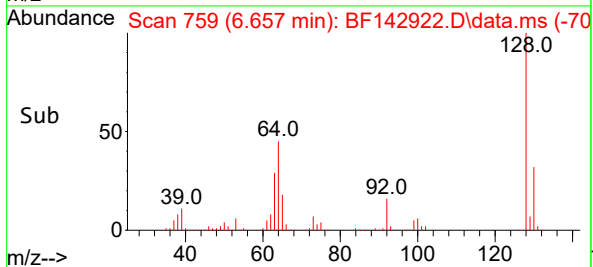
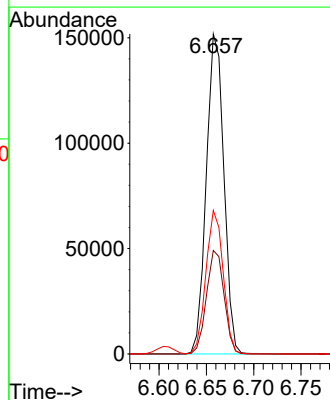
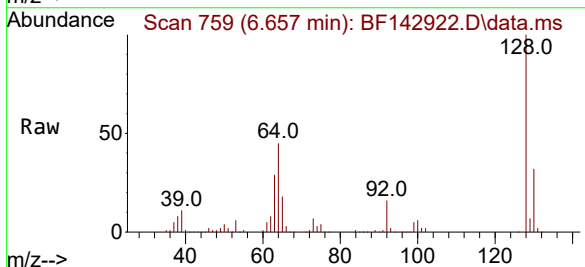
Instrument :
BNA_F
ClientSampleId :
MH-E/FMSD

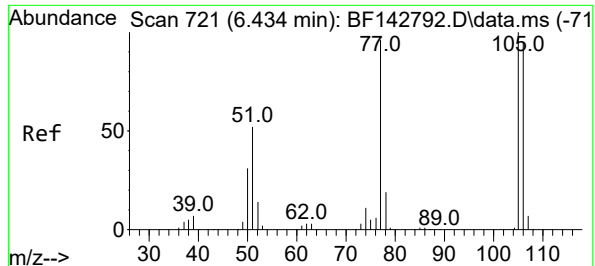
Tgt Ion: 99 Resp: 440097
Ion Ratio Lower Upper
99 100
42 19.8 15.9 23.9
71 35.4 27.8 41.8



#8
2-Chlorophenol
Concen: 43.724 ng
RT: 6.657 min Scan# 759
Delta R.T. -0.006 min
Lab File: BF142922.D
Acq: 30 Jun 2025 18:43

Tgt Ion:128 Resp: 195551
Ion Ratio Lower Upper
128 100
130 32.3 12.7 52.7
64 44.8 26.5 66.5





#9

Benzaldehyde

Concen: 28.581 ng

RT: 6.422 min Scan# 719

Delta R.T. -0.012 min

Lab File: BF142922.D

Acq: 30 Jun 2025 18:43

Instrument :

BNA_F

ClientSampleId :

MH-E/FMSD

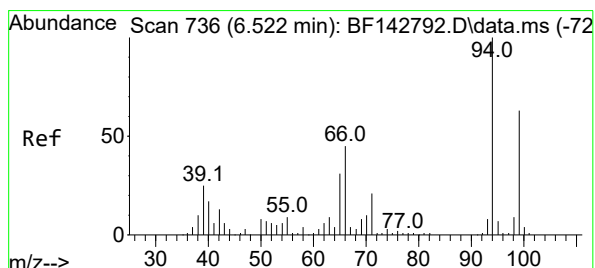
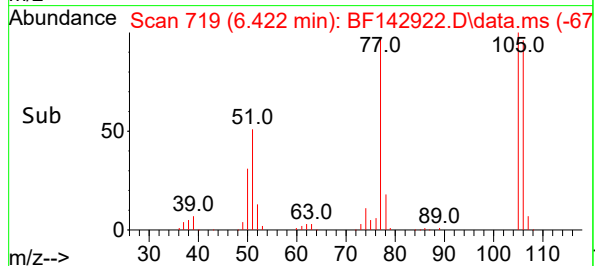
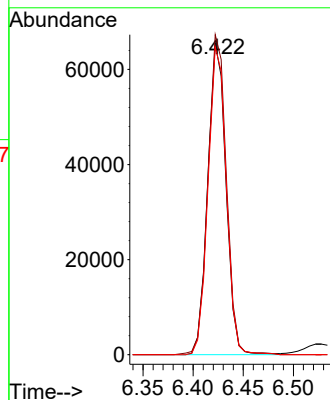
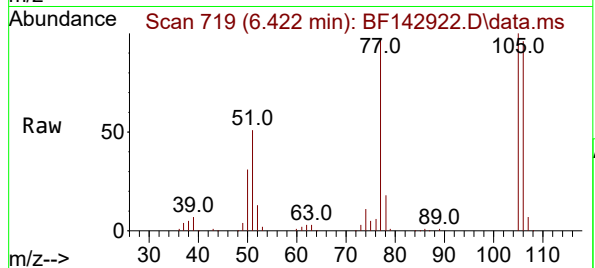
Tgt Ion: 77 Resp: 82944

Ion Ratio Lower Upper

77 100

105 102.8 83.8 123.8

106 98.9 78.7 118.7



#10

Phenol

Concen: 41.366 ng

RT: 6.522 min Scan# 736

Delta R.T. 0.000 min

Lab File: BF142922.D

Acq: 30 Jun 2025 18:43

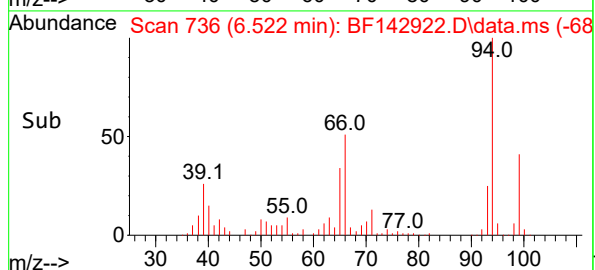
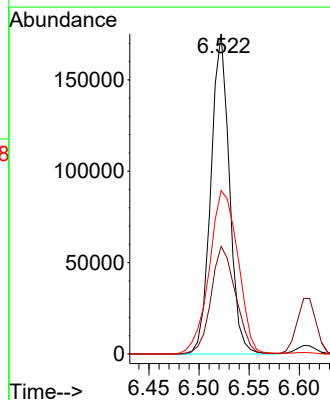
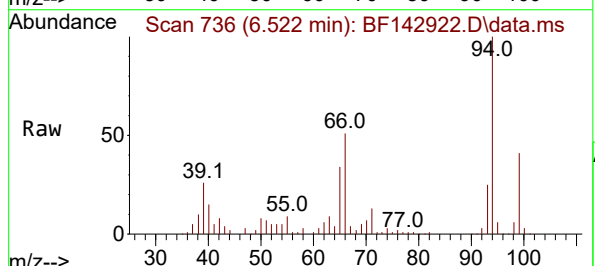
Tgt Ion: 94 Resp: 224920

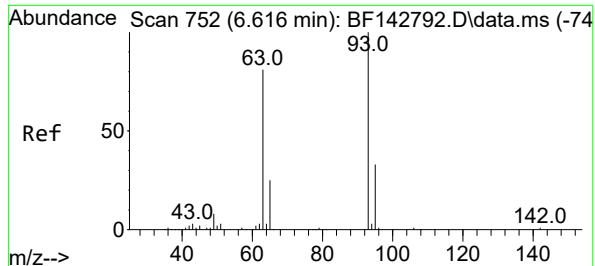
Ion Ratio Lower Upper

94 100

65 33.6 11.3 51.3

66 51.1 24.9 64.9

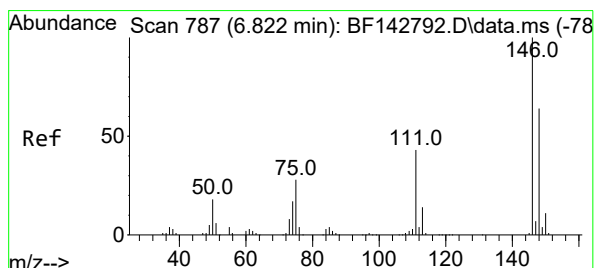
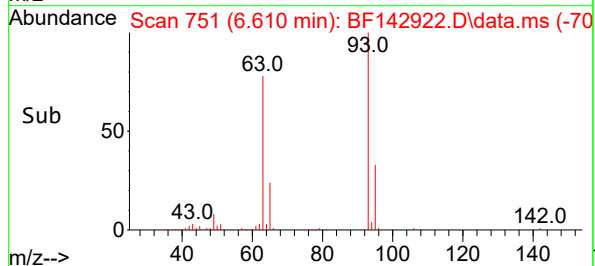
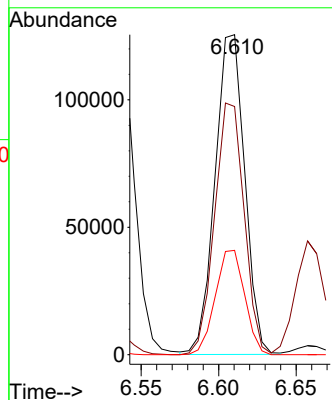
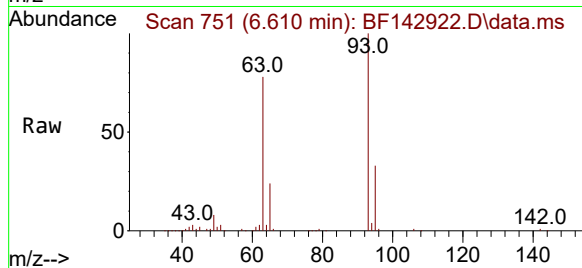




#11
bis(2-Chloroethyl)ether
Concen: 43.155 ng
RT: 6.610 min Scan# 751
Delta R.T. -0.006 min
Lab File: BF142922.D
Acq: 30 Jun 2025 18:43

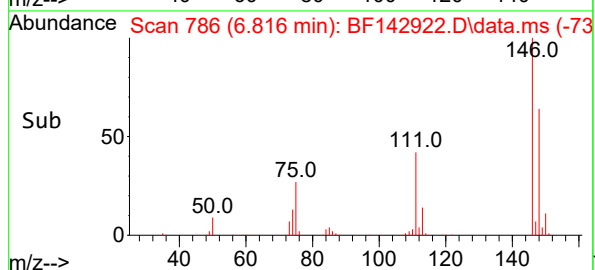
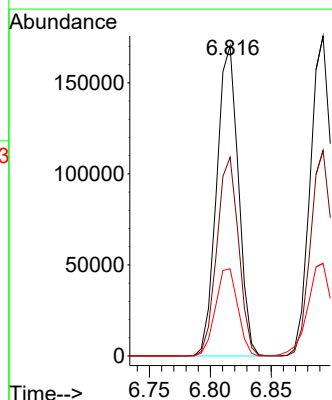
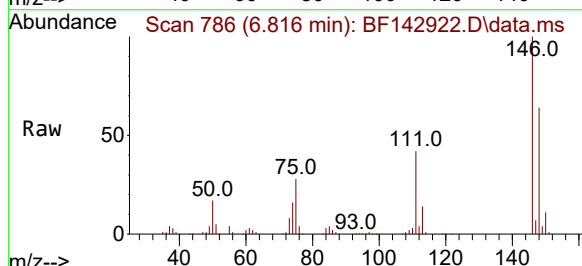
Instrument :
BNA_F
ClientSampleId :
MH-E/FMSD

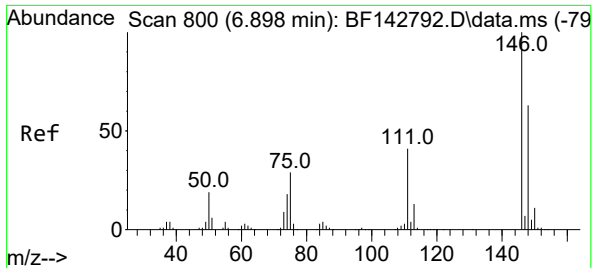
Tgt Ion: 93 Resp: 167705
Ion Ratio Lower Upper
93 100
63 77.6 60.3 100.3
95 32.6 12.5 52.5



#12
1,3-Dichlorobenzene
Concen: 42.303 ng
RT: 6.816 min Scan# 786
Delta R.T. -0.006 min
Lab File: BF142922.D
Acq: 30 Jun 2025 18:43

Tgt Ion:146 Resp: 211593
Ion Ratio Lower Upper
146 100
148 64.1 51.1 76.7
75 28.1 22.7 34.1





#13

1,4-Dichlorobenzene

Concen: 42.947 ng

RT: 6.893 min Scan# 79

Delta R.T. -0.006 min

Lab File: BF142922.D

Acq: 30 Jun 2025 18:43

Instrument :

BNA_F

ClientSampleId :

MH-E/FMSD

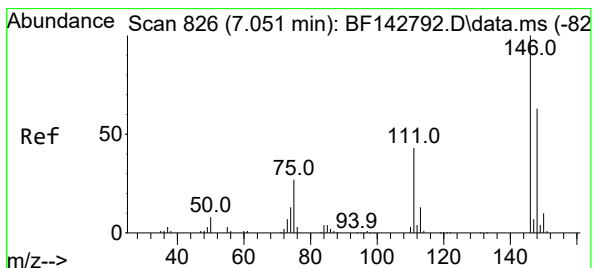
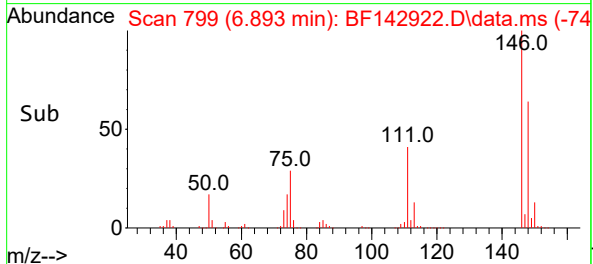
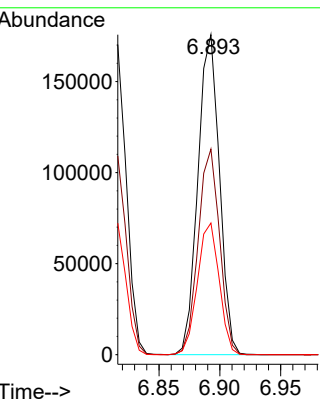
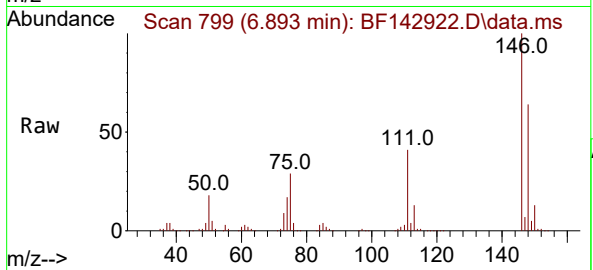
Tgt Ion:146 Resp: 216732

Ion Ratio Lower Upper

146 100

148 64.3 50.2 75.2

111 41.1 33.2 49.8



#14

1,2-Dichlorobenzene

Concen: 43.512 ng

RT: 7.046 min Scan# 825

Delta R.T. -0.006 min

Lab File: BF142922.D

Acq: 30 Jun 2025 18:43

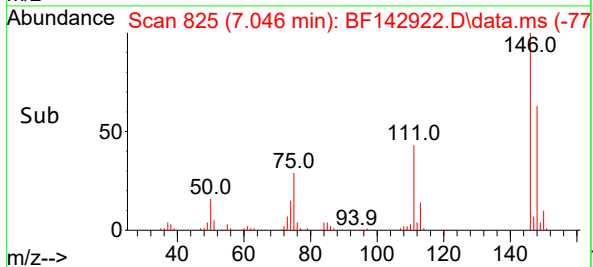
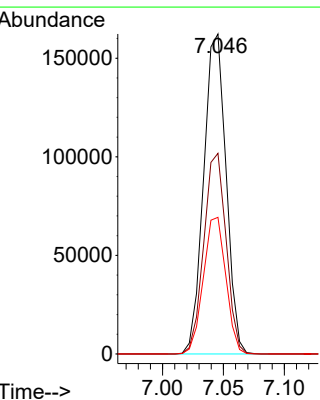
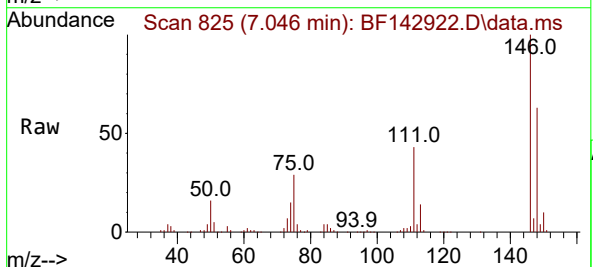
Tgt Ion:146 Resp: 208272

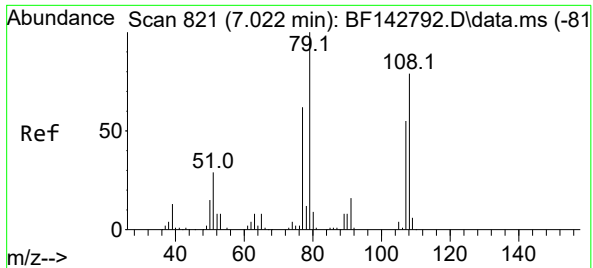
Ion Ratio Lower Upper

146 100

148 62.7 50.4 75.6

111 42.7 34.1 51.1





#15

Benzyl Alcohol

Concen: 43.697 ng

RT: 7.016 min Scan# 81

Delta R.T. -0.006 min

Lab File: BF142922.D

Acq: 30 Jun 2025 18:43

Instrument :

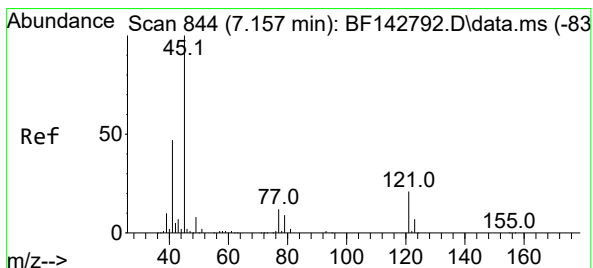
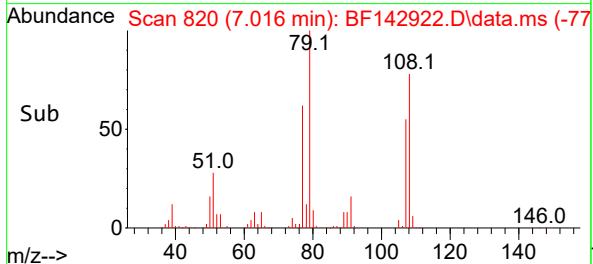
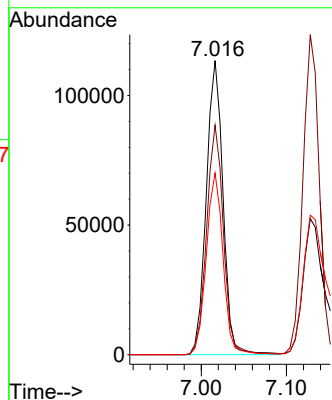
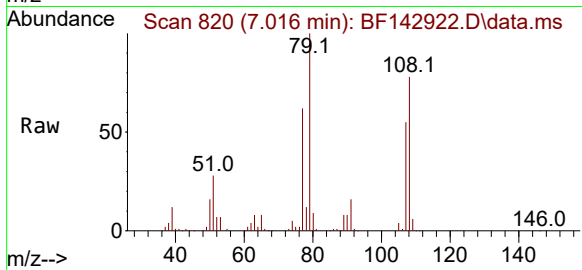
BNA_F

ClientSampleId :

MH-E/FMSD

Tgt Ion: 79 Resp: 154524

Ion	Ratio	Lower	Upper
79	100		
108	78.0	63.4	95.0
77	61.8	49.5	74.3



#16

2,2'-oxybis(1-Chloropropane)

Concen: 40.367 ng

RT: 7.146 min Scan# 842

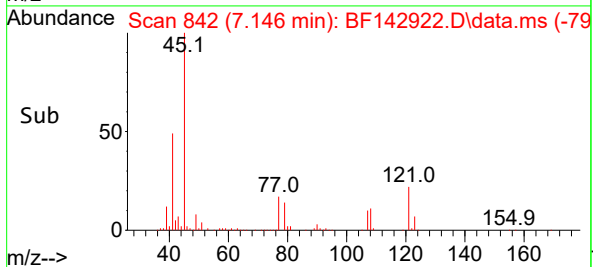
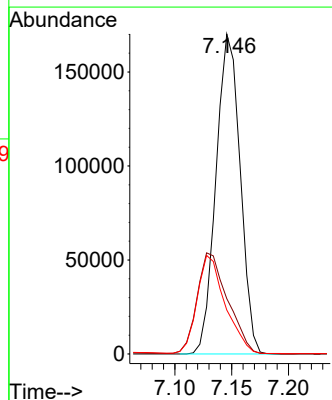
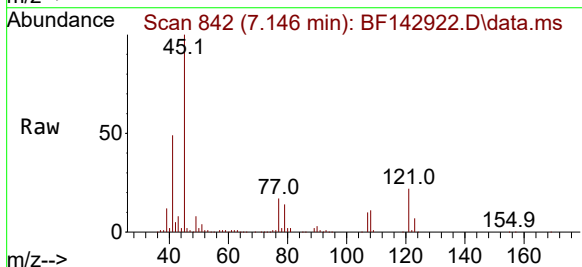
Delta R.T. -0.012 min

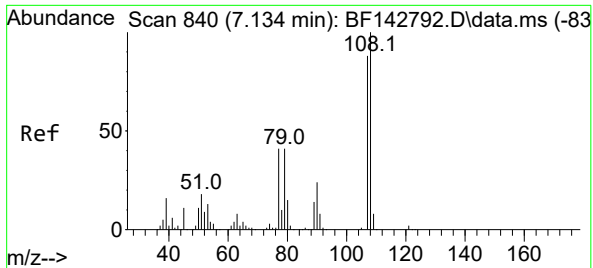
Lab File: BF142922.D

Acq: 30 Jun 2025 18:43

Tgt Ion: 45 Resp: 252038

Ion	Ratio	Lower	Upper
45	100		
77	17.3	0.0	32.8
79	13.8	0.0	29.8

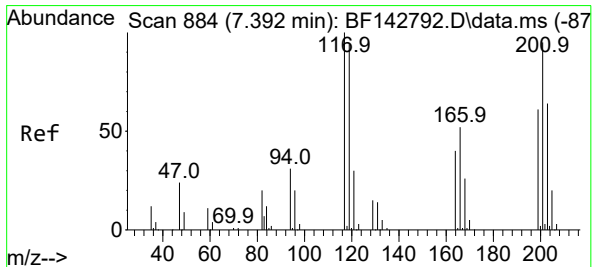
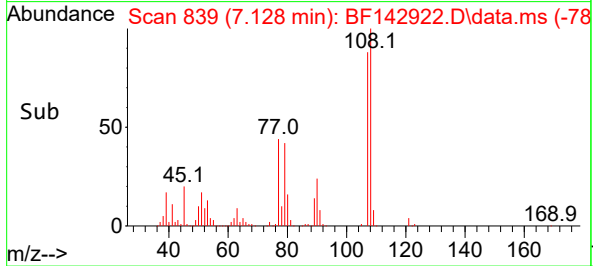
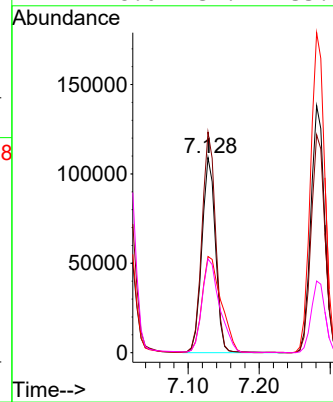
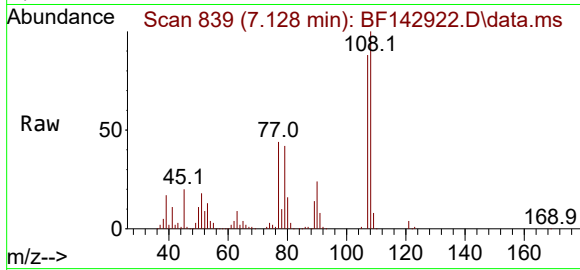




#17
2-Methylphenol
Concen: 43.080 ng
RT: 7.128 min Scan# 81
Delta R.T. -0.006 min
Lab File: BF142922.D
Acq: 30 Jun 2025 18:43

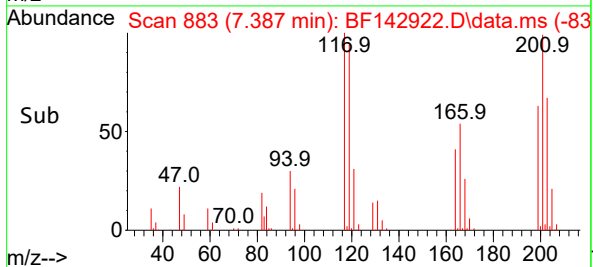
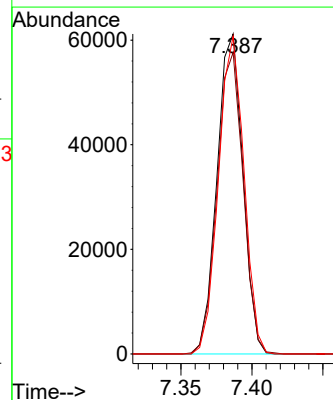
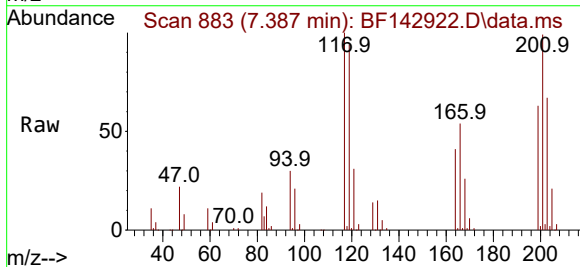
Instrument :
BNA_F
ClientSampleId :
MH-E/FMSD

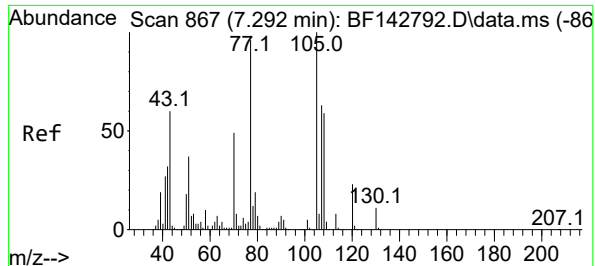
Tgt Ion:107 Resp: 146010
Ion Ratio Lower Upper
107 100
108 113.1 90.9 136.3
77 49.3 37.3 55.9
79 48.0 37.2 55.8



#18
Hexachloroethane
Concen: 43.930 ng
RT: 7.387 min Scan# 883
Delta R.T. -0.006 min
Lab File: BF142922.D
Acq: 30 Jun 2025 18:43

Tgt Ion:117 Resp: 77542
Ion Ratio Lower Upper
117 100
119 94.2 75.4 113.0
201 99.2 75.9 113.9





#19

n-Nitroso-di-n-propylamine

Concen: 43.795 ng

RT: 7.287 min Scan# 80

Delta R.T. -0.006 min

Lab File: BF142922.D

Acq: 30 Jun 2025 18:43

Instrument :

BNA_F

ClientSampleId :

MH-E/FMSD

Tgt Ion: 70 Resp: 124595

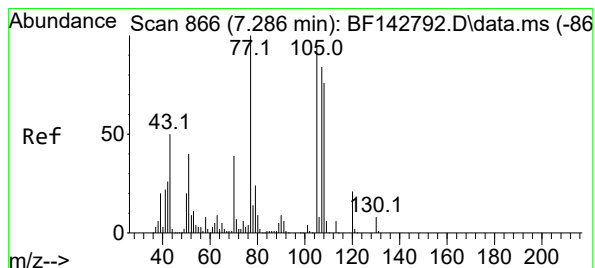
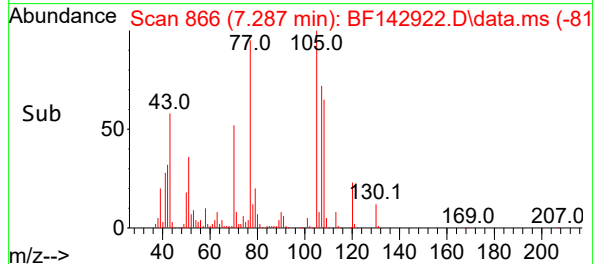
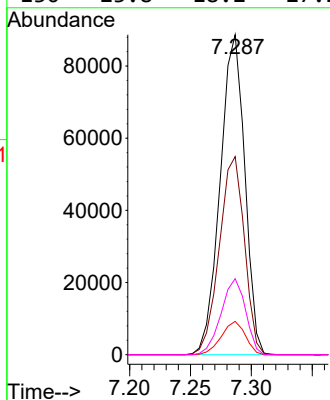
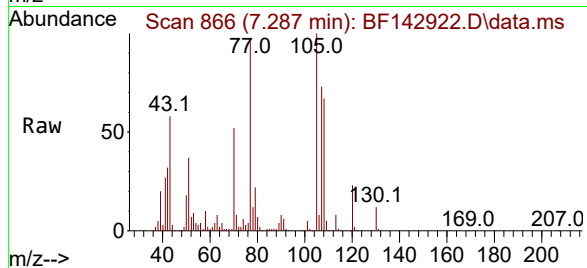
Ion Ratio Lower Upper

70 100

42 61.9 52.1 78.1

101 10.4 8.2 12.2

130 23.8 18.2 27.2



#20

3+4-Methylphenols

Concen: 44.011 ng

RT: 7.281 min Scan# 865

Delta R.T. -0.006 min

Lab File: BF142922.D

Acq: 30 Jun 2025 18:43

Tgt Ion: 107 Resp: 185984

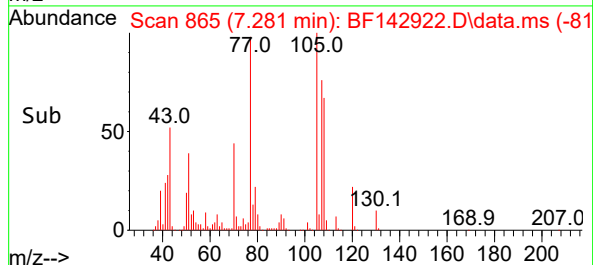
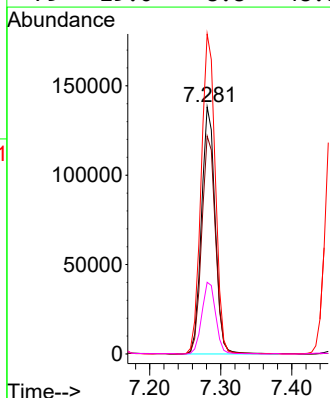
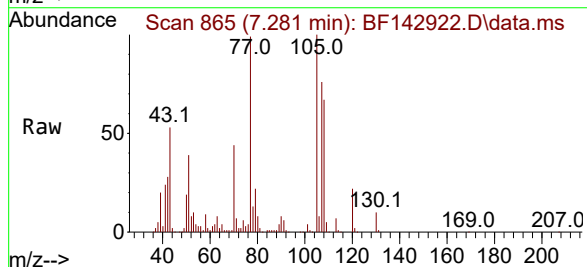
Ion Ratio Lower Upper

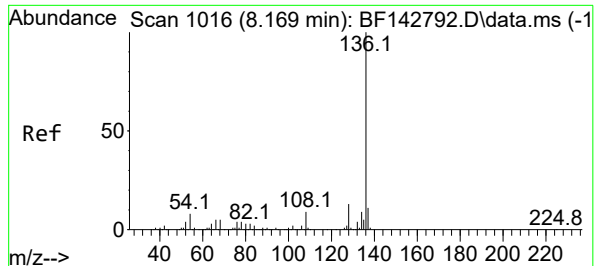
107 100

108 88.2 70.0 110.0

77 129.6 98.5 138.5

79 29.0 8.8 48.8





#21

Naphthalene-d8

Concen: 20.000 ng

RT: 8.157 min Scan# 1014

Delta R.T. -0.012 min

Lab File: BF142922.D

Acq: 30 Jun 2025 18:43

Instrument :

BNA_F

ClientSampleId :

MH-E/FMSD

Tgt Ion:136 Resp: 260392

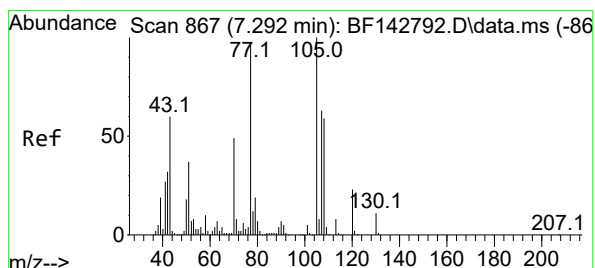
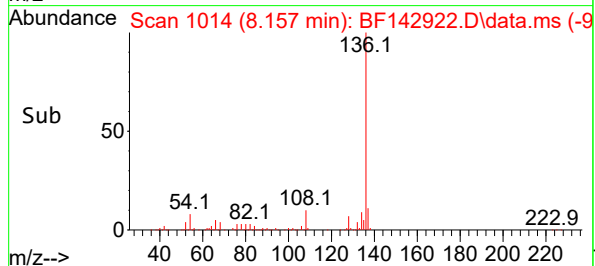
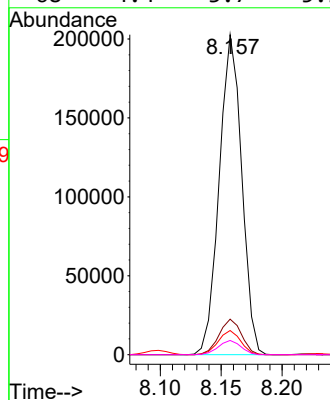
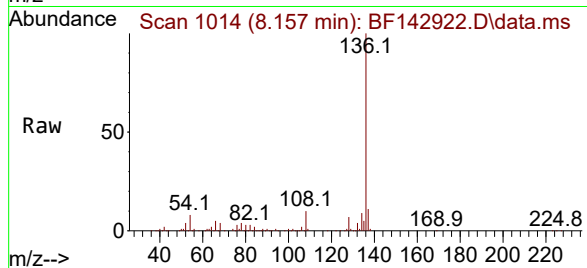
Ion Ratio Lower Upper

136 100

137 11.1 8.4 12.6

54 7.5 6.3 9.5

68 4.4 3.7 5.5



#22

Acetophenone

Concen: 44.368 ng

RT: 7.281 min Scan# 865

Delta R.T. -0.012 min

Lab File: BF142922.D

Acq: 30 Jun 2025 18:43

Tgt Ion:105 Resp: 254768

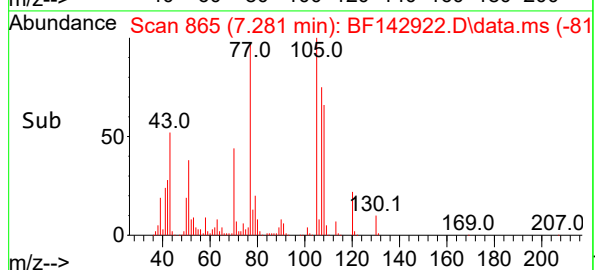
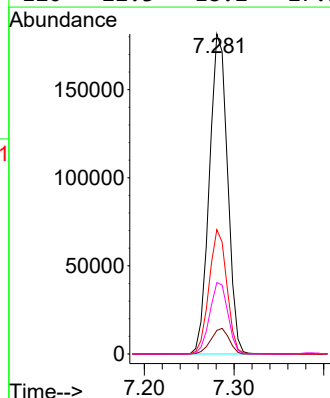
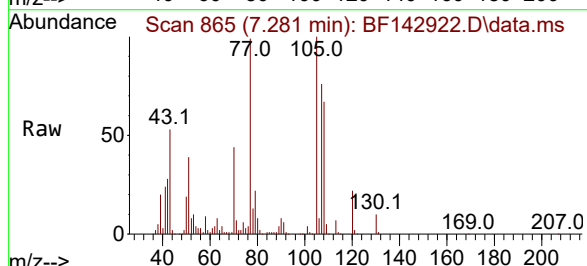
Ion Ratio Lower Upper

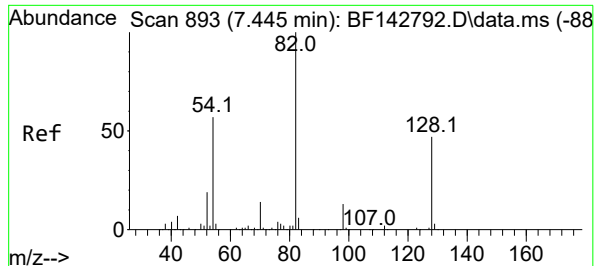
105 100

71 7.3 6.5 9.7

51 38.8 29.8 44.8

120 22.3 18.2 27.2





#23

Nitrobenzene-d5

Concen: 56.685 ng

RT: 7.440 min Scan# 893

Delta R.T. -0.005 min

Lab File: BF142922.D

Acq: 30 Jun 2025 18:43

Instrument :

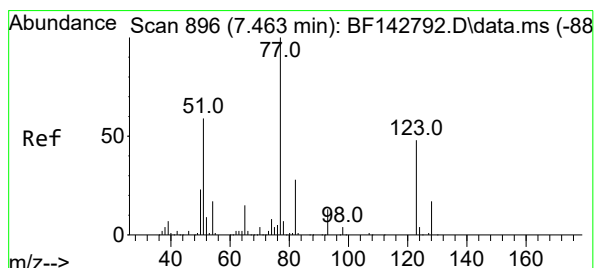
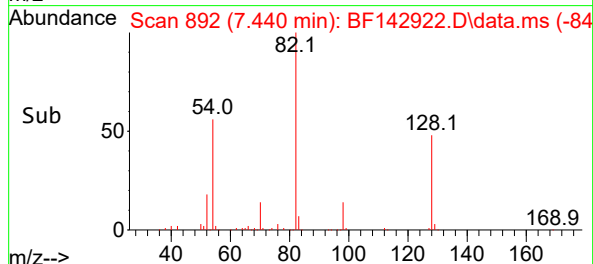
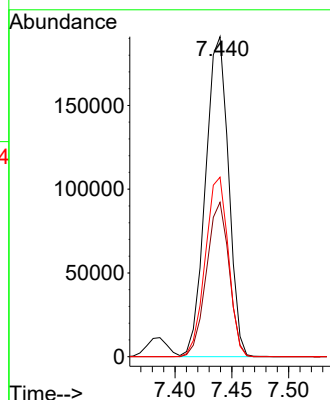
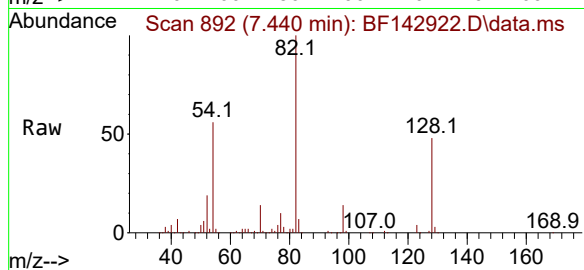
BNA_F

ClientSampleId :

MH-E/FMSD

Tgt Ion: 82 Resp: 269098

Ion	Ratio	Lower	Upper
82	100		
128	48.2	37.7	56.5
54	56.1	45.7	68.5



#24

Nitrobenzene

Concen: 43.067 ng

RT: 7.457 min Scan# 895

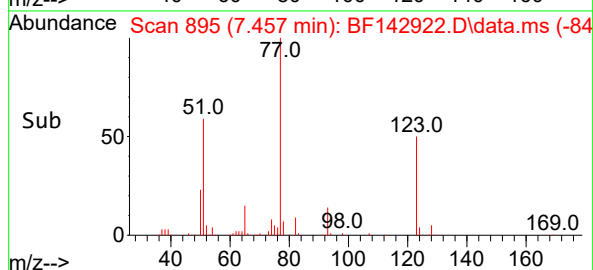
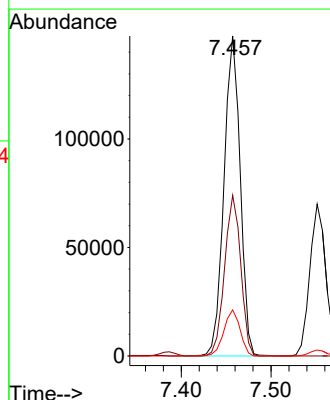
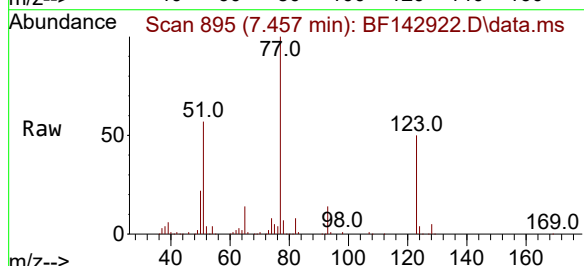
Delta R.T. -0.006 min

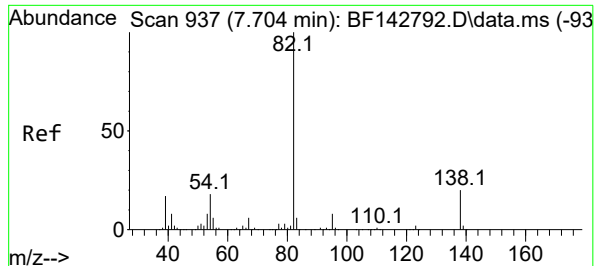
Lab File: BF142922.D

Acq: 30 Jun 2025 18:43

Tgt Ion: 77 Resp: 185046

Ion	Ratio	Lower	Upper
77	100		
123	50.2	39.2	58.8
65	14.4	11.6	17.4





#25

Isophorone

Concen: 43.163 ng

RT: 7.698 min Scan# 91

Delta R.T. -0.006 min

Lab File: BF142922.D

Acq: 30 Jun 2025 18:43

Instrument :

BNA_F

ClientSampleId :

MH-E/FMSD

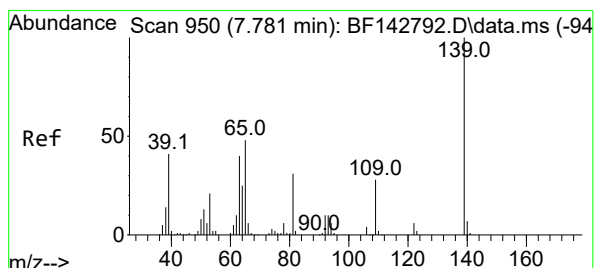
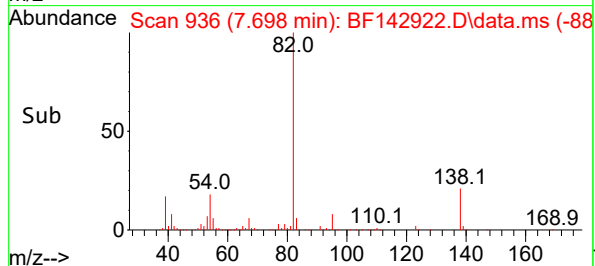
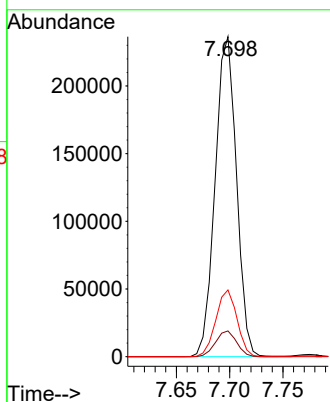
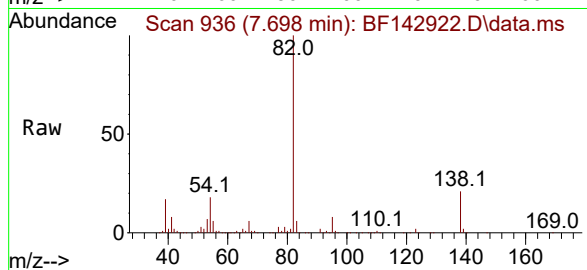
Tgt Ion: 82 Resp: 328702

Ion Ratio Lower Upper

82 100

95 8.0 6.2 9.2

138 20.9 16.2 24.4



#26

2-Nitrophenol

Concen: 45.639 ng

RT: 7.775 min Scan# 949

Delta R.T. -0.006 min

Lab File: BF142922.D

Acq: 30 Jun 2025 18:43

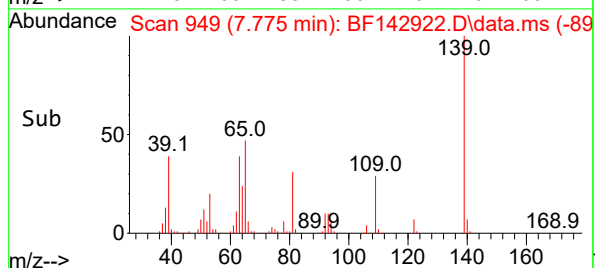
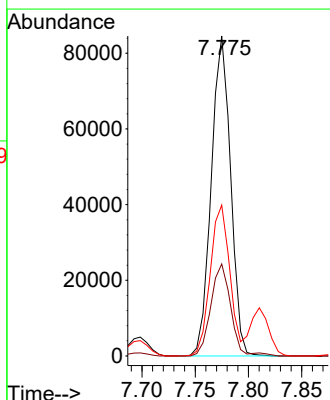
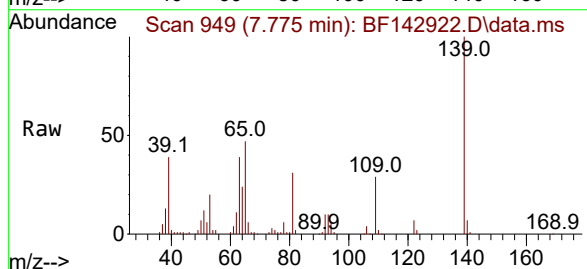
Tgt Ion: 139 Resp: 106824

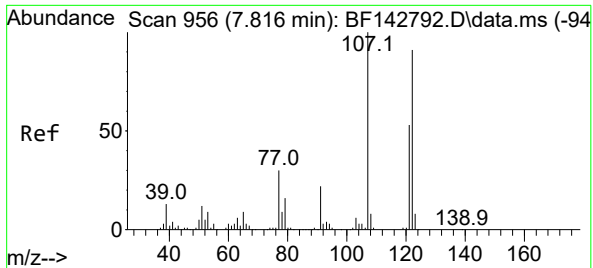
Ion Ratio Lower Upper

139 100

109 28.7 22.7 34.1

65 47.2 38.6 58.0





#27

2,4-Dimethylphenol

Concen: 42.897 ng

RT: 7.810 min Scan# 91

Delta R.T. -0.006 min

Lab File: BF142922.D

Acq: 30 Jun 2025 18:43

Instrument :

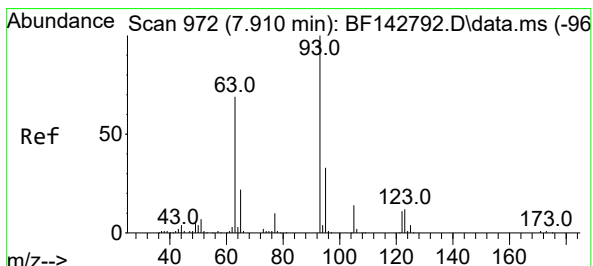
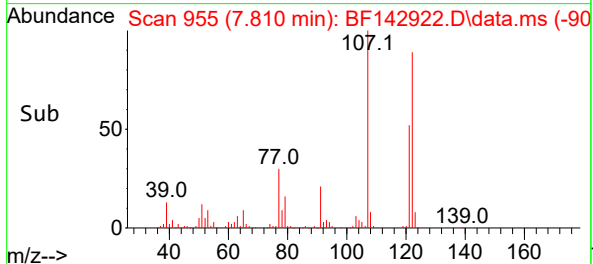
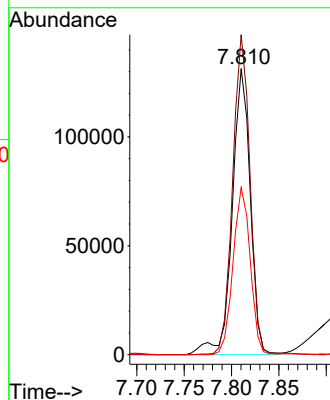
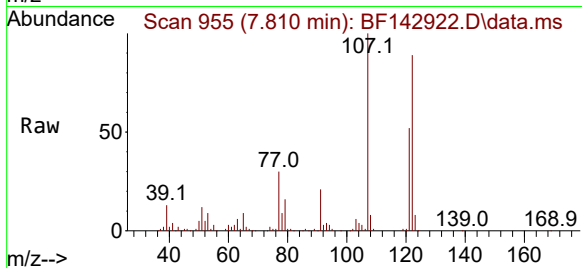
BNA_F

ClientSampleId :

MH-E/FMSD

Tgt Ion:122 Resp: 173917

Ion	Ratio	Lower	Upper
122	100		
107	111.8	88.0	132.0
121	58.4	46.3	69.5



#28

bis(2-Chloroethoxy)methane

Concen: 43.400 ng

RT: 7.904 min Scan# 971

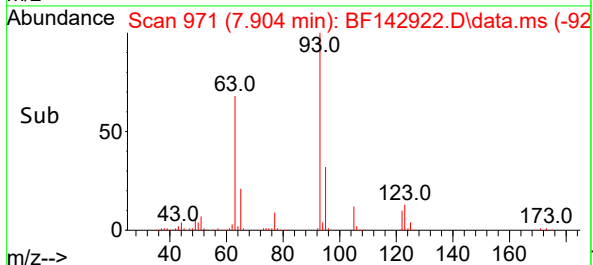
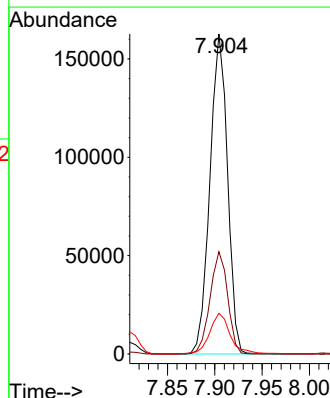
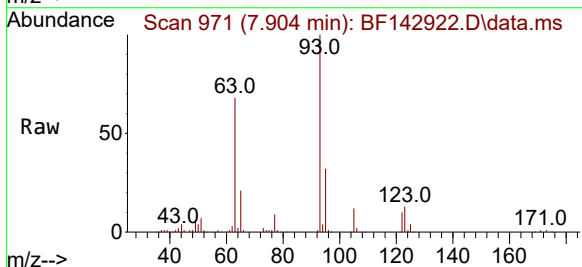
Delta R.T. -0.006 min

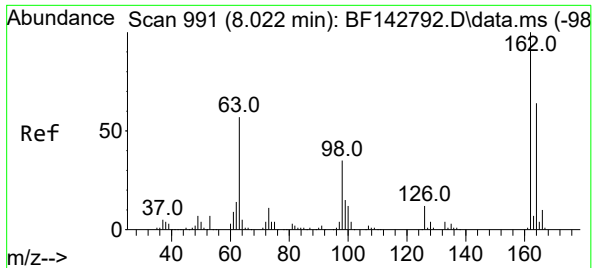
Lab File: BF142922.D

Acq: 30 Jun 2025 18:43

Tgt Ion: 93 Resp: 210122

Ion	Ratio	Lower	Upper
93	100		
95	32.0	26.2	39.2
123	12.7	9.9	14.9





#29

2,4-Dichlorophenol

Concen: 43.760 ng

RT: 8.016 min Scan# 991

Delta R.T. -0.006 min

Lab File: BF142922.D

Acq: 30 Jun 2025 18:43

Instrument :

BNA_F

ClientSampleId :

MH-E/FMSD

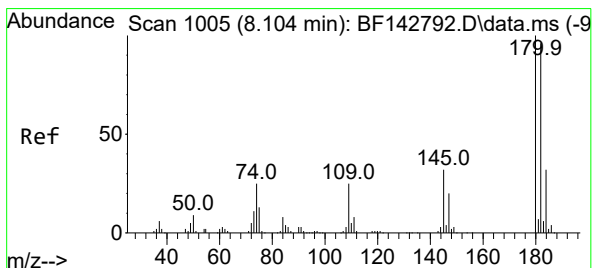
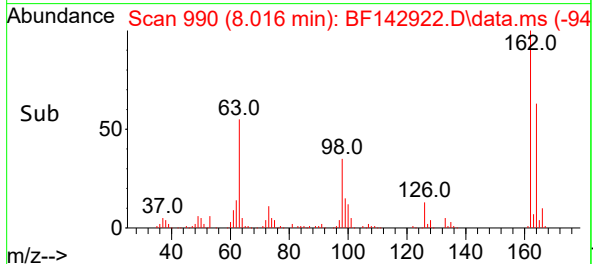
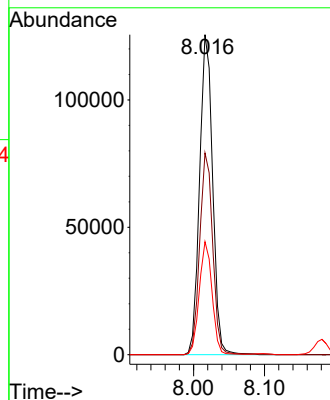
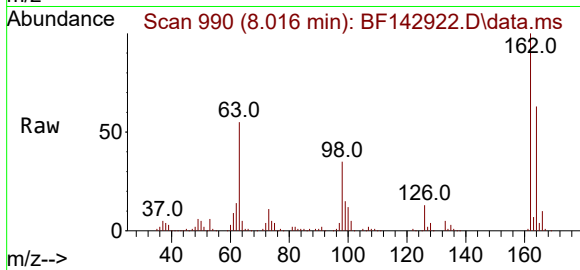
Tgt Ion:162 Resp: 160870

Ion Ratio Lower Upper

162 100

164 63.1 44.0 84.0

98 35.3 15.4 55.4



#30

1,2,4-Trichlorobenzene

Concen: 43.612 ng

RT: 8.098 min Scan# 1004

Delta R.T. -0.006 min

Lab File: BF142922.D

Acq: 30 Jun 2025 18:43

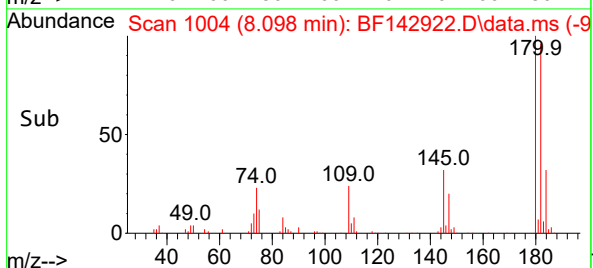
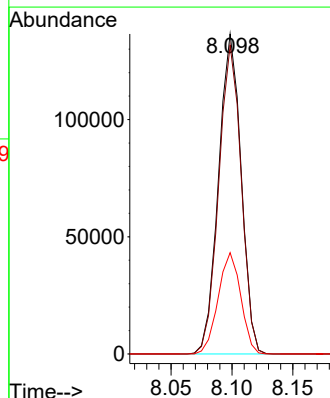
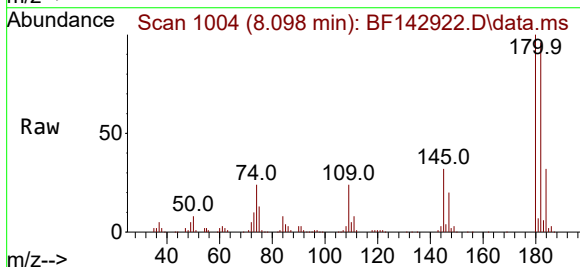
Tgt Ion:180 Resp: 176293

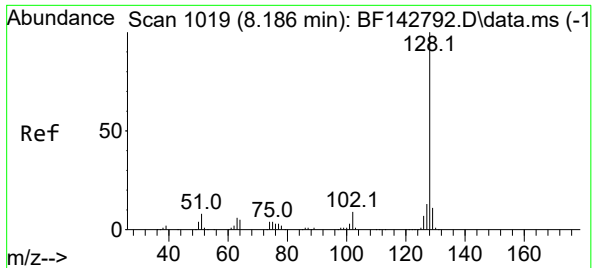
Ion Ratio Lower Upper

180 100

182 96.5 76.4 114.6

145 31.6 25.8 38.8

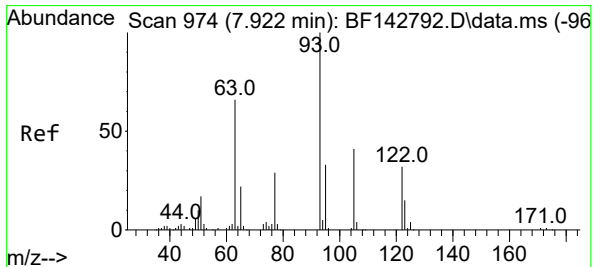
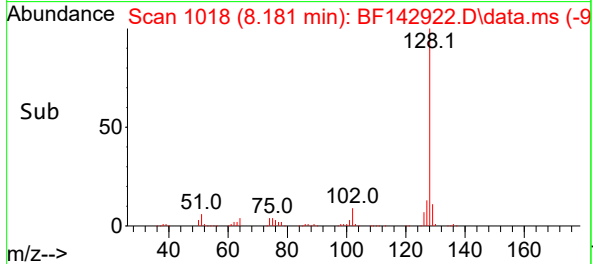
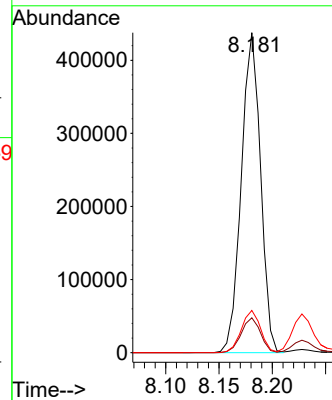
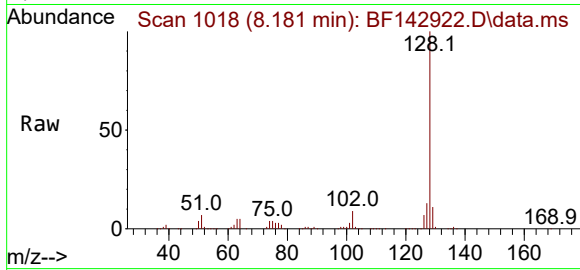




#31
Naphthalene
Concen: 43.216 ng
RT: 8.181 min Scan# 1019
Delta R.T. -0.006 min
Lab File: BF142922.D
Acq: 30 Jun 2025 18:43

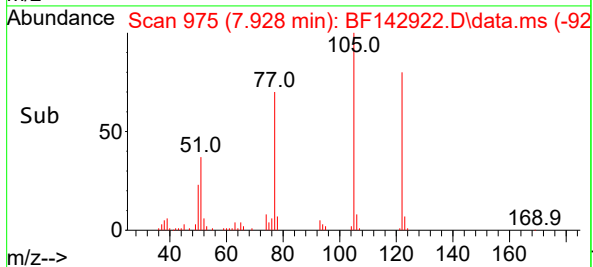
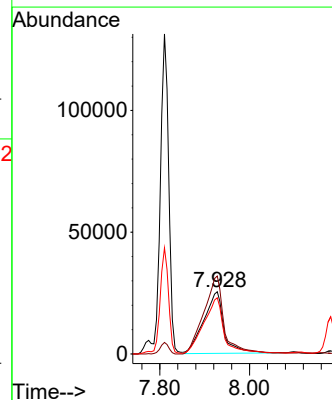
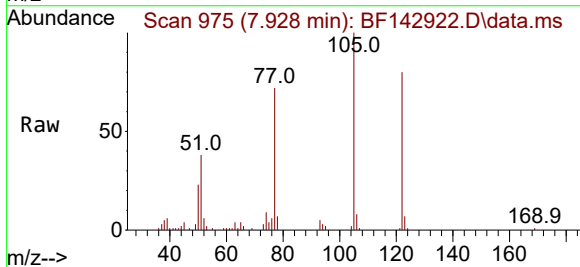
Instrument :
BNA_F
ClientSampleId :
MH-E/FMSD

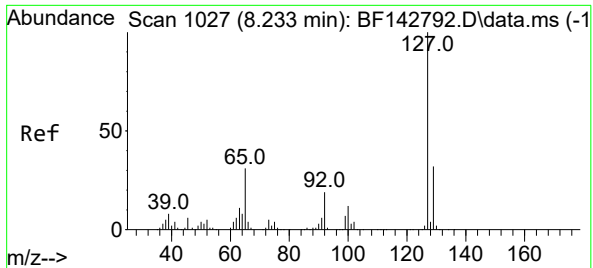
Tgt Ion:128 Resp: 550826
Ion Ratio Lower Upper
128 100
129 10.9 8.9 13.3
127 13.2 10.4 15.6



#32
Benzoic acid
Concen: 38.348 ng
RT: 7.928 min Scan# 975
Delta R.T. 0.006 min
Lab File: BF142922.D
Acq: 30 Jun 2025 18:43

Tgt Ion:122 Resp: 79245
Ion Ratio Lower Upper
122 100
105 125.1 104.7 144.7
77 90.2 70.2 110.2





#33

4-Chloroaniline

Concen: 15.105 ng

RT: 8.228 min Scan# 1026

Delta R.T. -0.006 min

Lab File: BF142922.D

Acq: 30 Jun 2025 18:43

Instrument :

BNA_F

ClientSampleId :

MH-E/FMSD

Tgt Ion:127 Resp: 78285

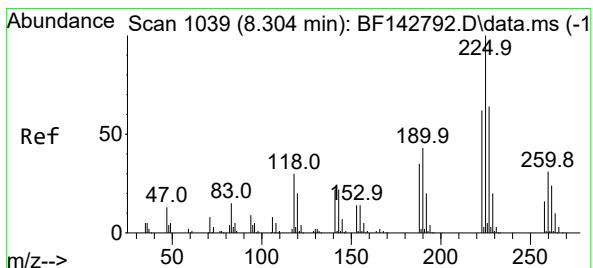
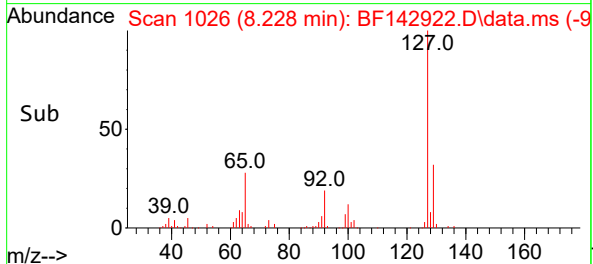
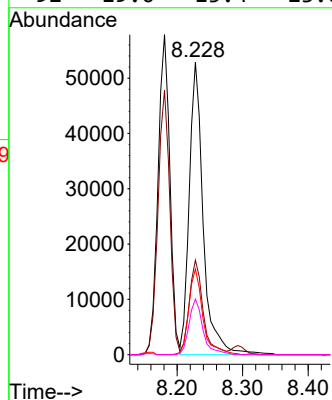
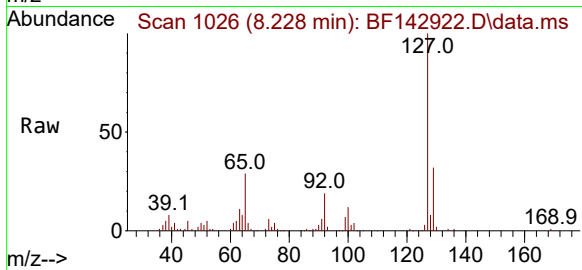
Ion Ratio Lower Upper

127 100

129 32.3 25.9 38.9

65 29.3 24.6 36.8

92 19.0 15.4 23.0



#34

Hexachlorobutadiene

Concen: 43.597 ng

RT: 8.293 min Scan# 1037

Delta R.T. -0.012 min

Lab File: BF142922.D

Acq: 30 Jun 2025 18:43

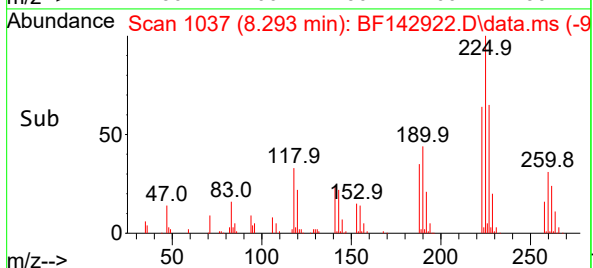
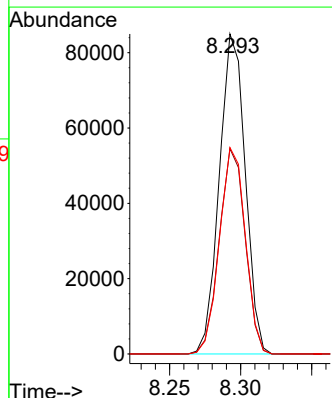
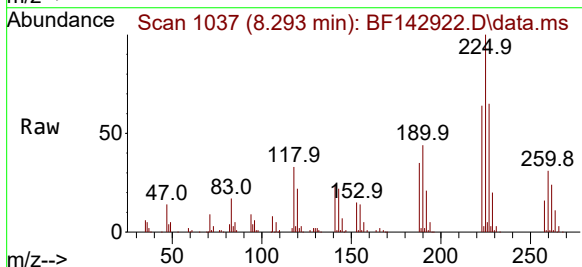
Tgt Ion:225 Resp: 107799

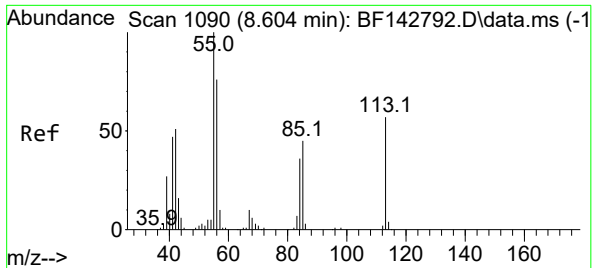
Ion Ratio Lower Upper

225 100

223 64.1 49.9 74.9

227 64.5 51.4 77.0





#35

Caprolactam

Concen: 47.917 ng

RT: 8.598 min Scan# 1089

Delta R.T. -0.006 min

Lab File: BF142922.D

Acq: 30 Jun 2025 18:43

Instrument :

BNA_F

ClientSampleId :

MH-E/FMSD

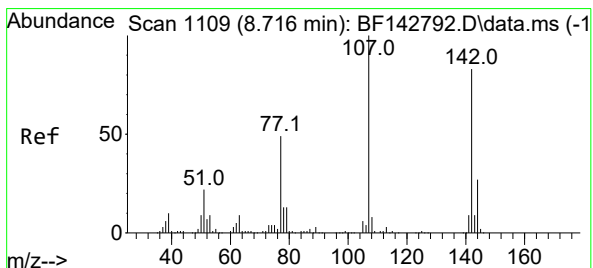
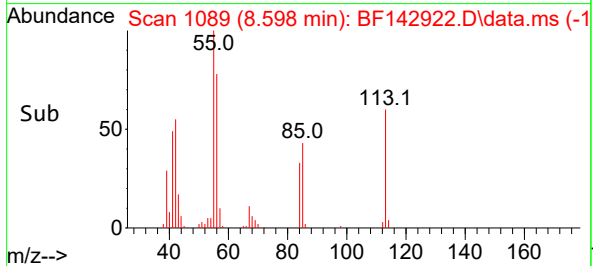
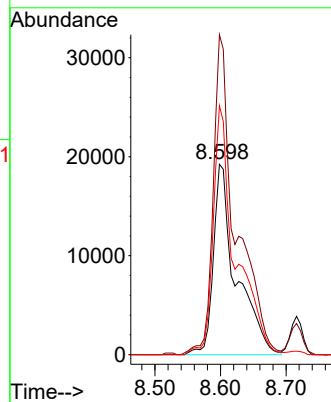
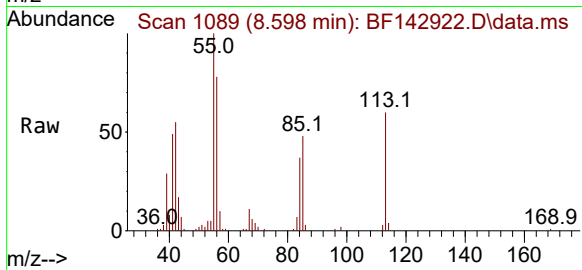
Tgt Ion:113 Resp: 46482

Ion Ratio Lower Upper

113 100

55 168.0 154.4 194.4

56 130.7 112.1 152.1



#36

4-Chloro-3-methylphenol

Concen: 44.168 ng

RT: 8.716 min Scan# 1109

Delta R.T. 0.000 min

Lab File: BF142922.D

Acq: 30 Jun 2025 18:43

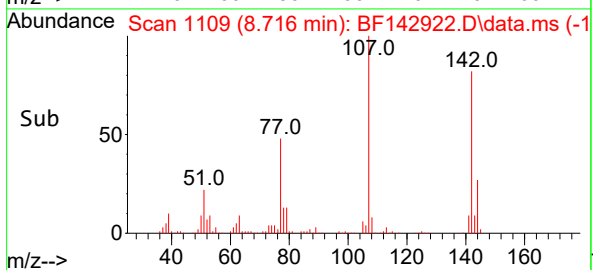
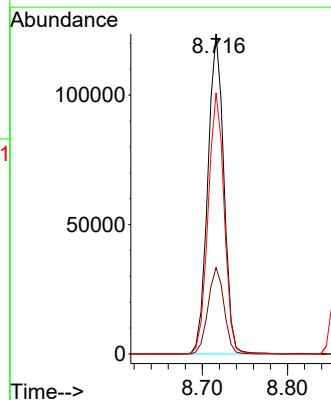
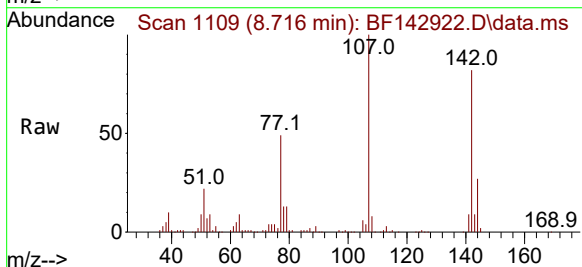
Tgt Ion:107 Resp: 161367

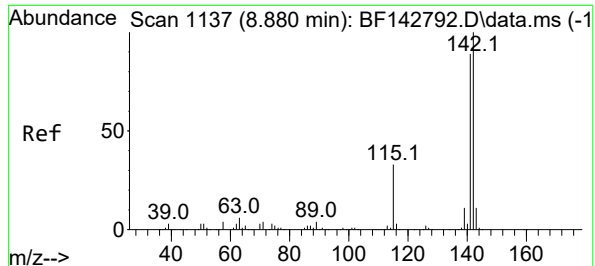
Ion Ratio Lower Upper

107 100

144 27.0 21.3 31.9

142 81.6 66.6 100.0





#37

2-Methylnaphthalene

Concen: 43.418 ng

RT: 8.869 min Scan# 1135

Delta R.T. -0.012 min

Lab File: BF142922.D

Acq: 30 Jun 2025 18:43

Instrument :

BNA_F

ClientSampleId :

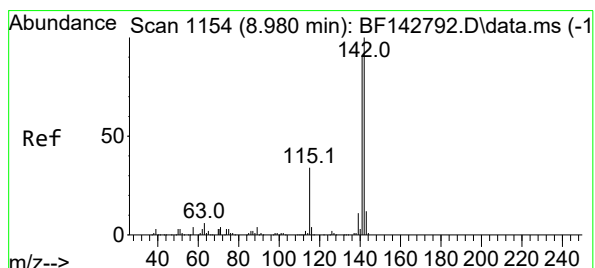
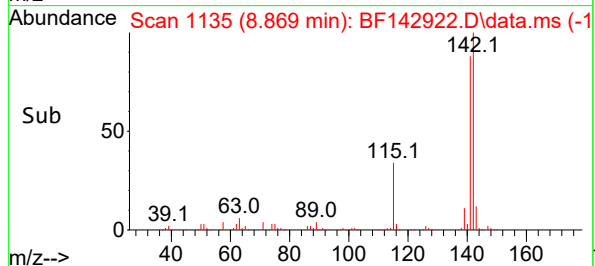
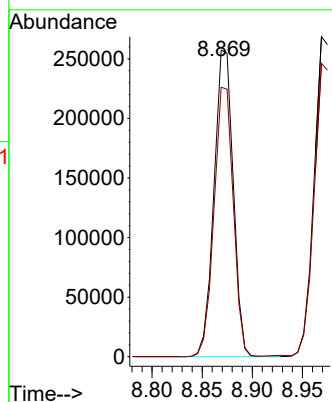
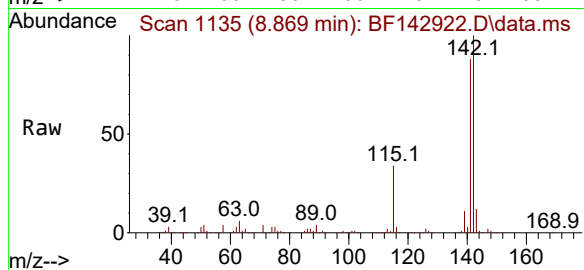
MH-E/FMSD

Tgt Ion:142 Resp: 343085

Ion Ratio Lower Upper

142 100

141 87.9 70.9 106.3



#38

1-Methylnaphthalene

Concen: 43.478 ng

RT: 8.969 min Scan# 1152

Delta R.T. -0.012 min

Lab File: BF142922.D

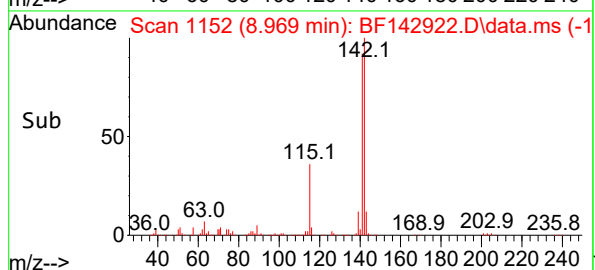
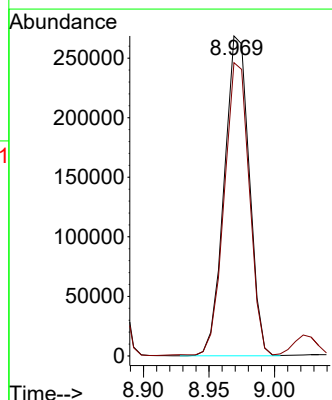
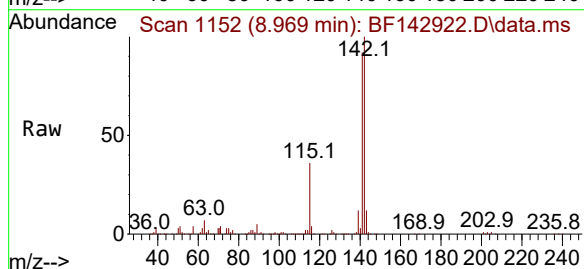
Acq: 30 Jun 2025 18:43

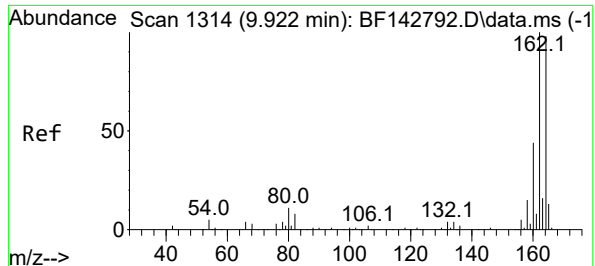
Tgt Ion:142 Resp: 355644

Ion Ratio Lower Upper

142 100

141 91.7 73.0 109.4





#39

Acenaphthene-d10

Concen: 20.000 ng

RT: 9.916 min Scan# 1164

Delta R.T. -0.006 min

Lab File: BF142922.D

Acq: 30 Jun 2025 18:43

Instrument :

BNA_F

ClientSampleId :

MH-E/FMSD

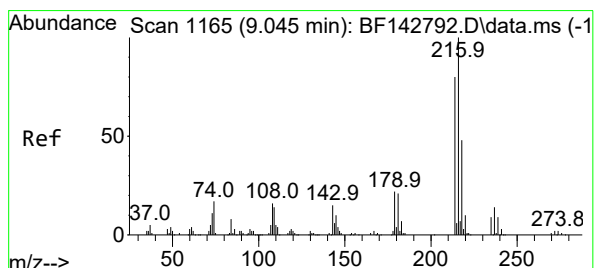
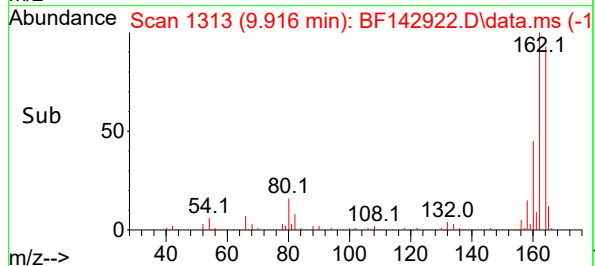
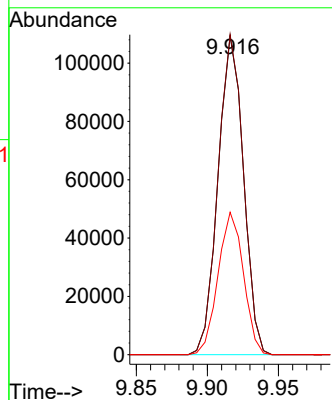
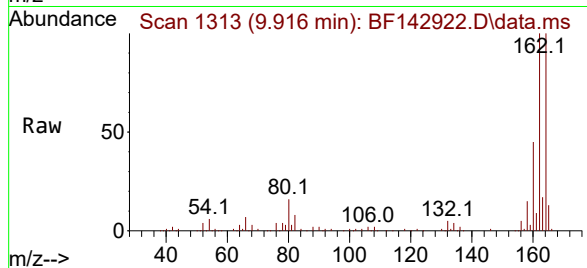
Tgt Ion:164 Resp: 136177

Ion Ratio Lower Upper

164 100

162 100.4 81.8 122.8

160 44.7 36.0 54.0



#40

1,2,4,5-Tetrachlorobenzene

Concen: 43.766 ng

RT: 9.040 min Scan# 1164

Delta R.T. -0.006 min

Lab File: BF142922.D

Acq: 30 Jun 2025 18:43

Tgt Ion:216 Resp: 175858

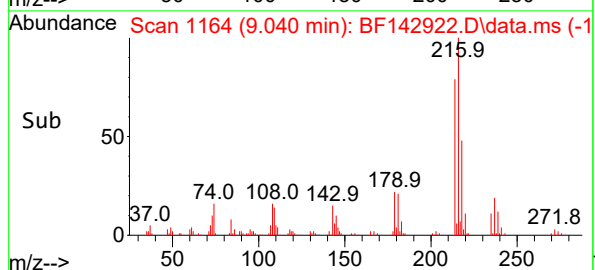
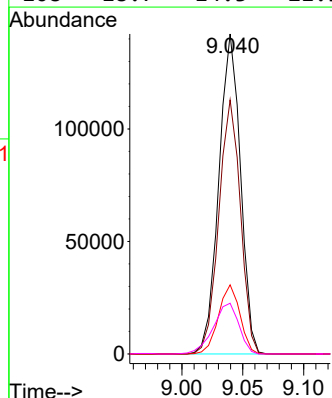
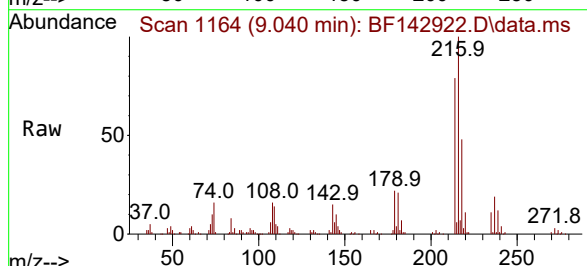
Ion Ratio Lower Upper

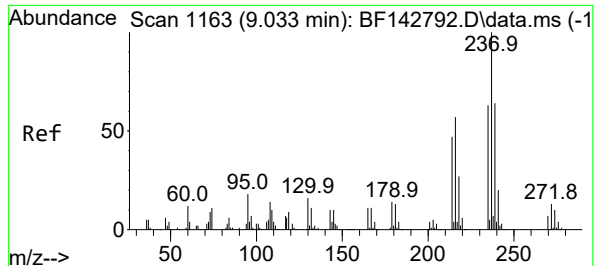
216 100

214 79.2 63.7 95.5

179 21.5 17.6 26.4

108 18.7 14.3 21.5





#41

Hexachlorocyclopentadiene

Concen: 80.981 ng

RT: 9.022 min Scan# 1161

Delta R.T. -0.012 min

Lab File: BF142922.D

Acq: 30 Jun 2025 18:43

Instrument :

BNA_F

ClientSampleId :

MH-E/FMSD

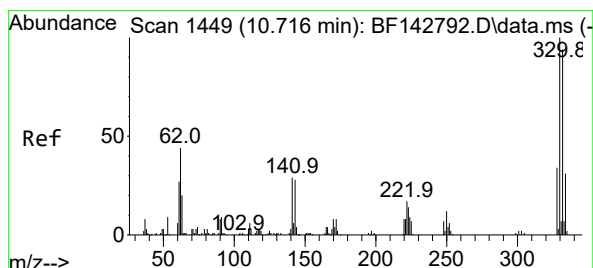
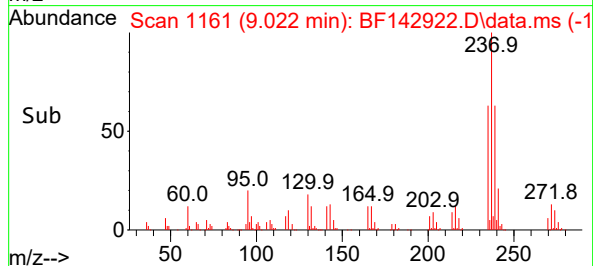
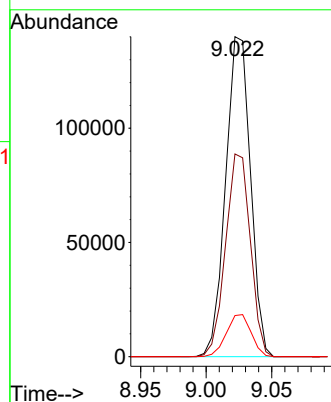
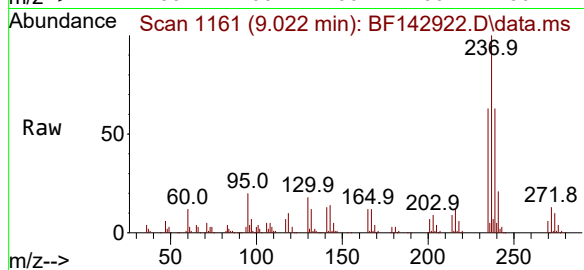
Tgt Ion:237 Resp: 184655

Ion Ratio Lower Upper

237 100

235 63.4 43.4 83.4

272 12.9 0.0 32.7



#42

2,4,6-Tribromophenol

Concen: 93.679 ng

RT: 10.710 min Scan# 1448

Delta R.T. -0.006 min

Lab File: BF142922.D

Acq: 30 Jun 2025 18:43

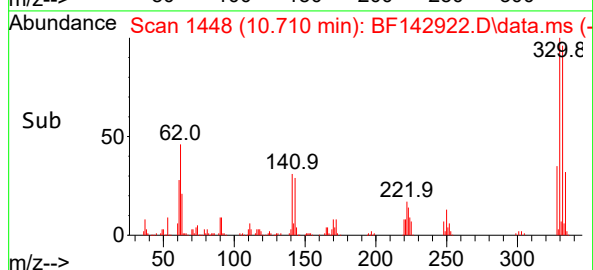
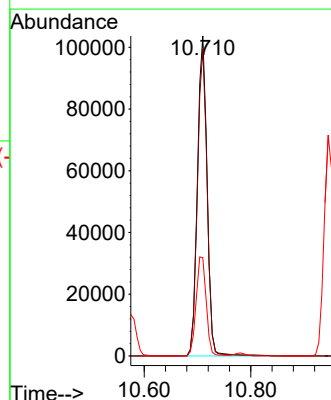
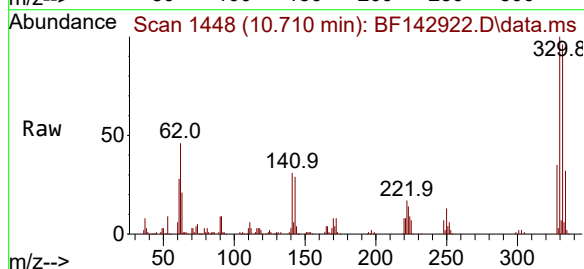
Tgt Ion:330 Resp: 131278

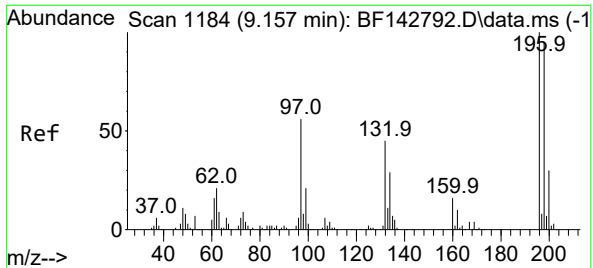
Ion Ratio Lower Upper

330 100

332 95.4 75.0 112.6

141 32.2 25.3 37.9





#43

2,4,6-Trichlorophenol

Concen: 42.863 ng

RT: 9.151 min Scan# 1183

Delta R.T. -0.006 min

Lab File: BF142922.D

Acq: 30 Jun 2025 18:43

Instrument :

BNA_F

ClientSampleId :

MH-E/FMSD

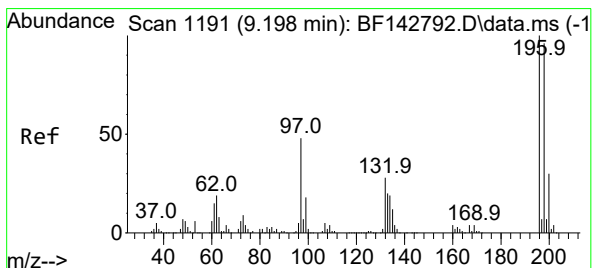
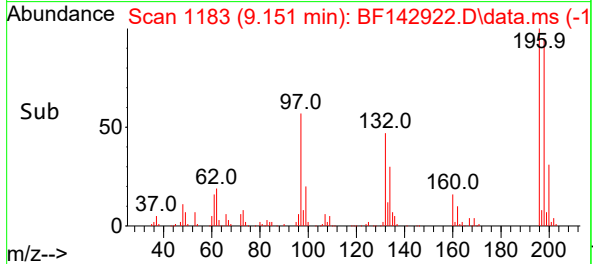
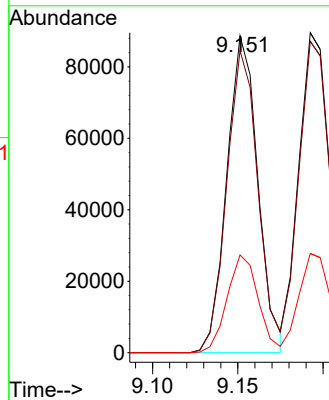
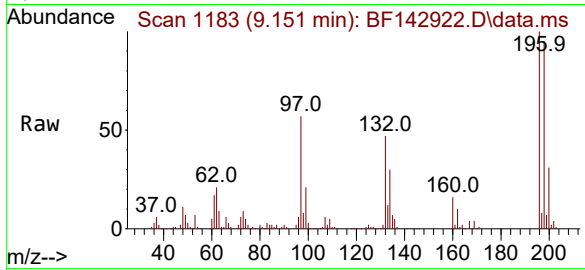
Tgt Ion:196 Resp: 112230

Ion Ratio Lower Upper

196 100

198 95.3 76.2 114.2

200 30.9 24.1 36.1



#44

2,4,5-Trichlorophenol

Concen: 42.353 ng

RT: 9.192 min Scan# 1190

Delta R.T. -0.006 min

Lab File: BF142922.D

Acq: 30 Jun 2025 18:43

Tgt Ion:196 Resp: 116734

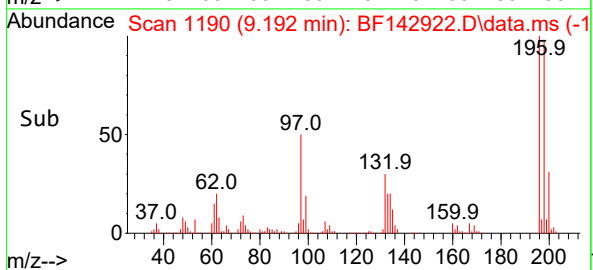
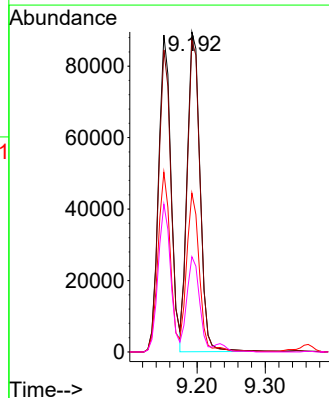
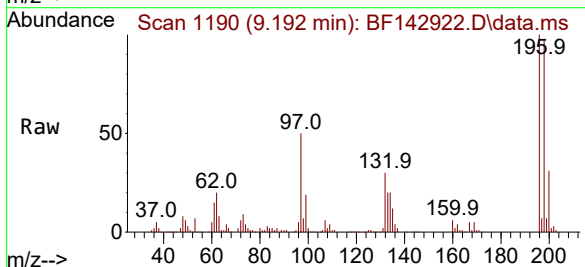
Ion Ratio Lower Upper

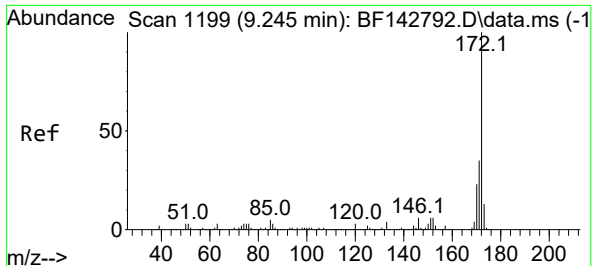
196 100

198 97.3 76.6 115.0

97 49.6 38.2 57.2

132 29.8 23.4 35.0





#45

2-Fluorobiphenyl

Concen: 55.678 ng

RT: 9.234 min Scan# 1197

Delta R.T. -0.011 min

Lab File: BF142922.D

Acq: 30 Jun 2025 18:43

Instrument :

BNA_F

ClientSampleId :

MH-E/FMSD

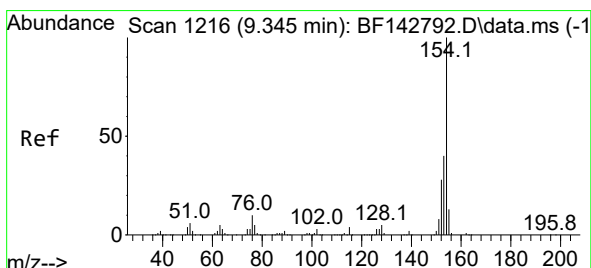
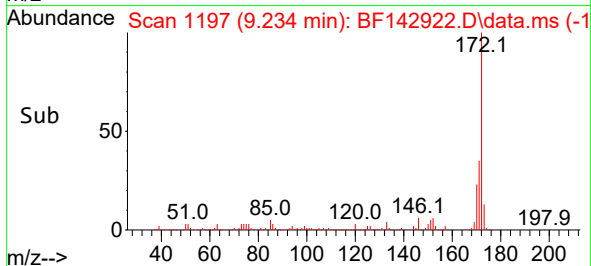
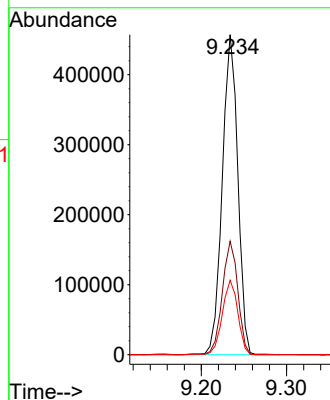
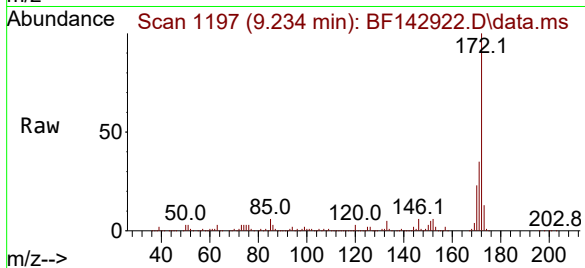
Tgt Ion:172 Resp: 577161

Ion Ratio Lower Upper

172 100

171 35.5 28.2 42.4

170 23.2 18.5 27.7



#46

1,1'-Biphenyl

Concen: 43.877 ng

RT: 9.340 min Scan# 1215

Delta R.T. -0.006 min

Lab File: BF142922.D

Acq: 30 Jun 2025 18:43

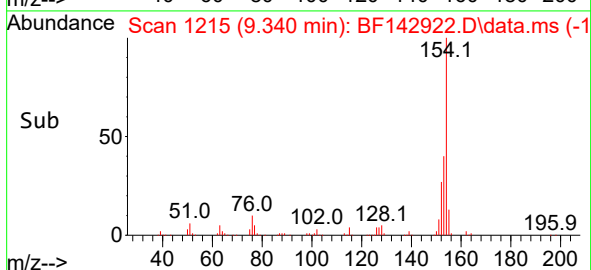
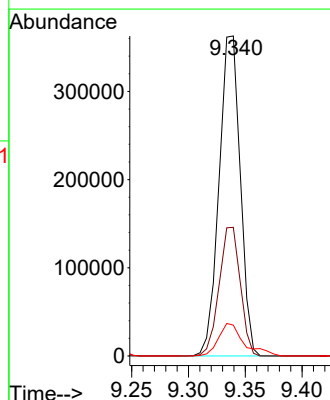
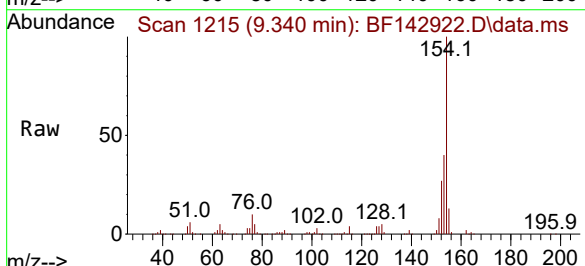
Tgt Ion:154 Resp: 471999

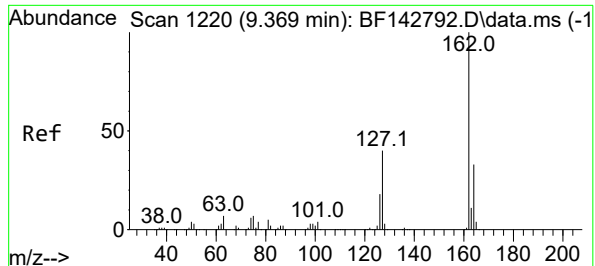
Ion Ratio Lower Upper

154 100

153 40.2 20.3 60.3

76 9.6 0.0 30.3





#47

2-Chloronaphthalene

Concen: 43.146 ng

RT: 9.363 min Scan# 1219

Delta R.T. -0.006 min

Lab File: BF142922.D

Acq: 30 Jun 2025 18:43

Instrument :

BNA_F

ClientSampleId :

MH-E/FMSD

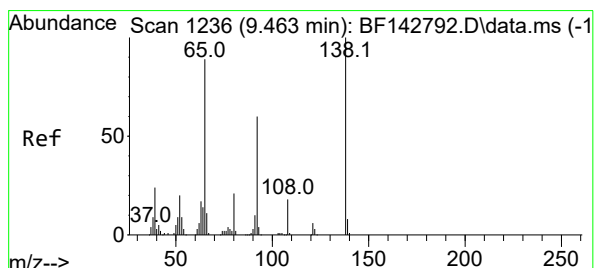
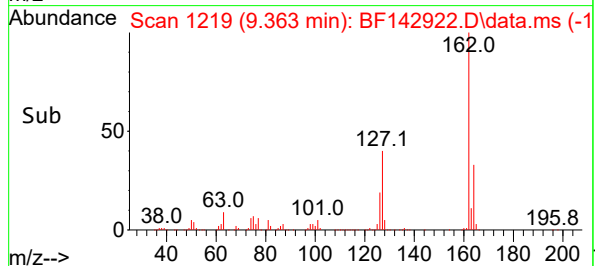
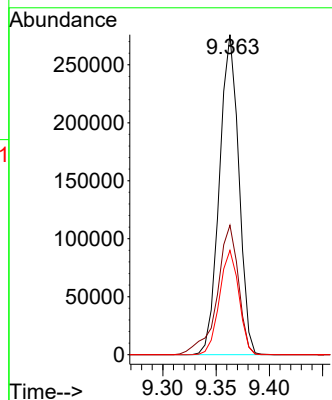
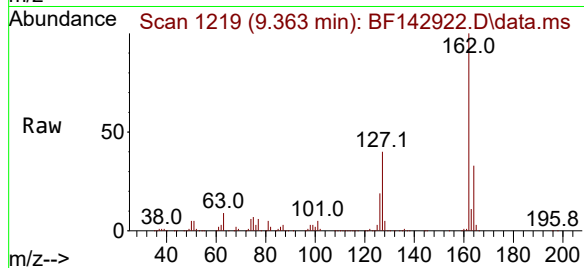
Tgt Ion:162 Resp: 348294

Ion Ratio Lower Upper

162 100

127 40.5 32.2 48.2

164 32.6 26.1 39.1



#48

2-Nitroaniline

Concen: 44.047 ng

RT: 9.457 min Scan# 1235

Delta R.T. -0.006 min

Lab File: BF142922.D

Acq: 30 Jun 2025 18:43

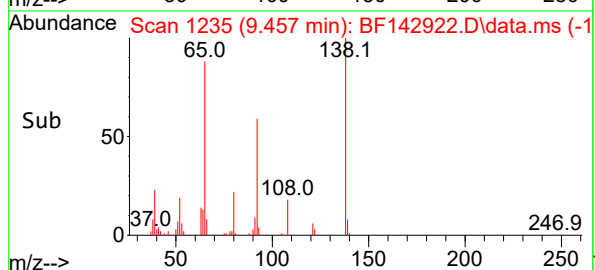
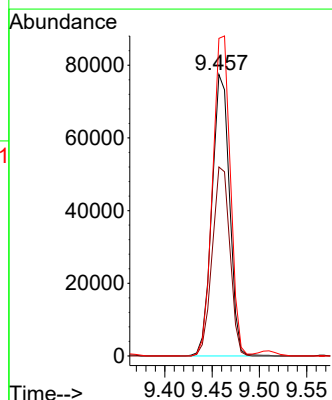
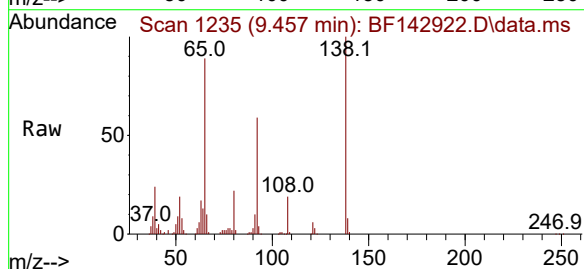
Tgt Ion: 65 Resp: 99686

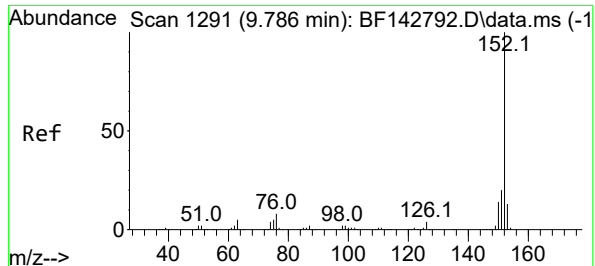
Ion Ratio Lower Upper

65 100

92 67.1 53.8 80.6

138 112.9 89.6 134.4





#49

Acenaphthylene

Concen: 43.343 ng

RT: 9.781 min Scan# 11

Delta R.T. -0.006 min

Lab File: BF142922.D

Acq: 30 Jun 2025 18:43

Instrument :

BNA_F

ClientSampleId :

MH-E/FMSD

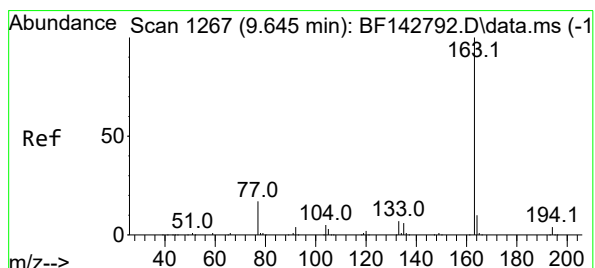
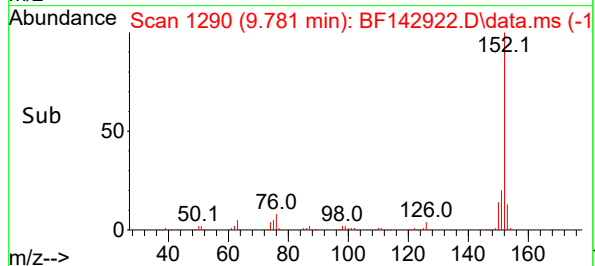
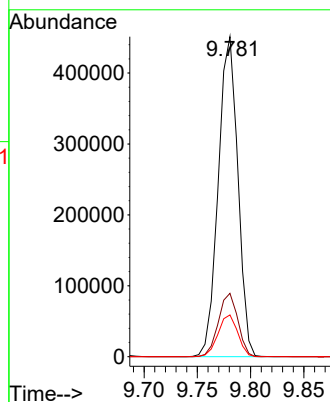
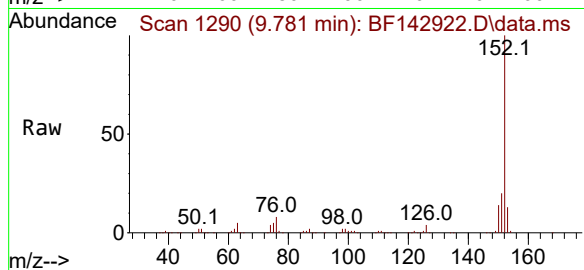
Tgt Ion:152 Resp: 575988

Ion Ratio Lower Upper

152 100

151 19.8 16.1 24.1

153 13.1 10.4 15.6



#50

Dimethylphthalate

Concen: 45.292 ng

RT: 9.639 min Scan# 1266

Delta R.T. -0.006 min

Lab File: BF142922.D

Acq: 30 Jun 2025 18:43

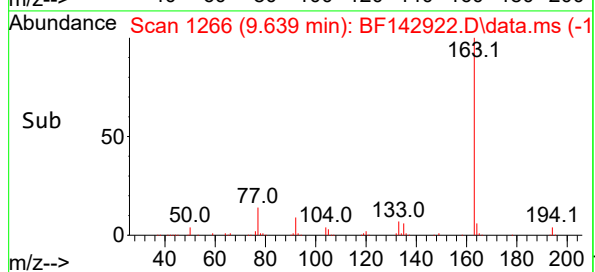
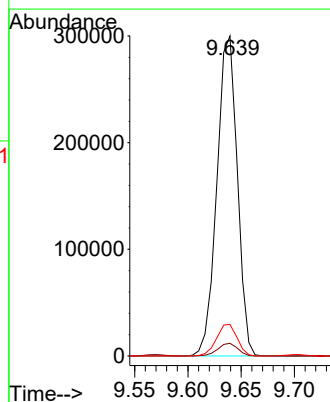
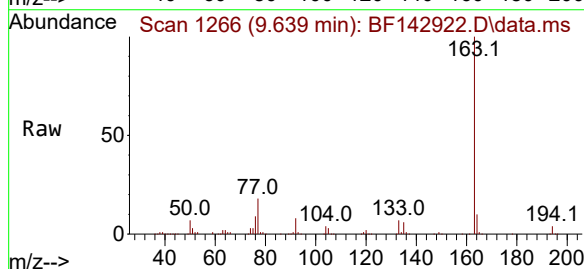
Tgt Ion:163 Resp: 399236

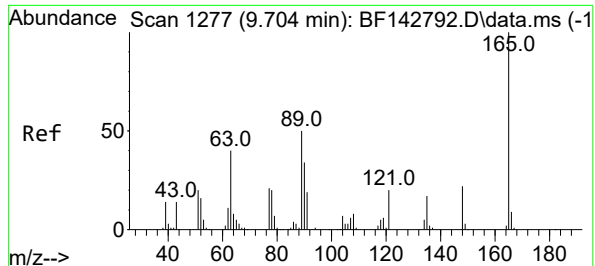
Ion Ratio Lower Upper

163 100

194 4.0 3.3 4.9

164 9.9 8.0 12.0





#51

2,6-Dinitrotoluene

Concen: 45.516 ng

RT: 9.704 min Scan# 1319

Delta R.T. 0.000 min

Lab File: BF142922.D

Acq: 30 Jun 2025 18:43

Instrument :

BNA_F

ClientSampleId :

MH-E/FMSD

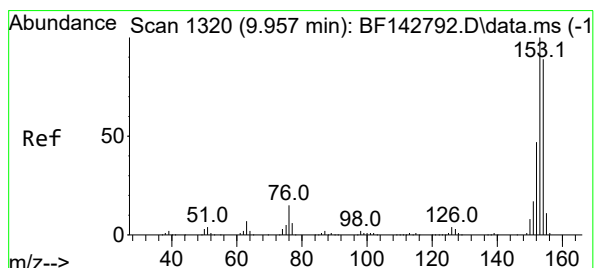
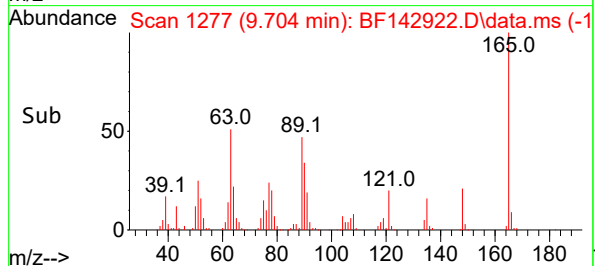
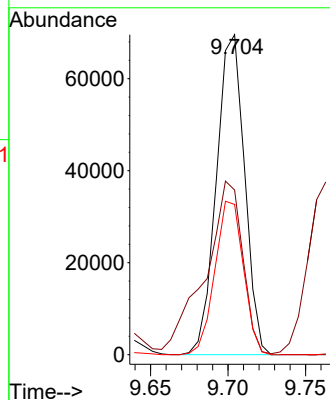
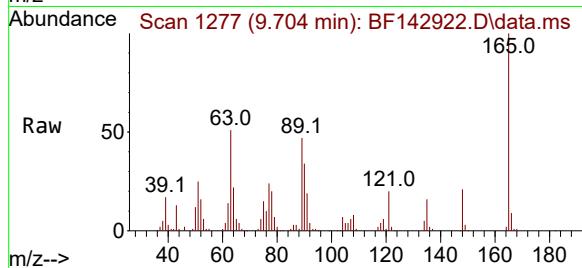
Tgt Ion:165 Resp: 88111

Ion Ratio Lower Upper

165 100

63 51.4 44.2 66.4

89 46.9 39.8 59.8



#52

Acenaphthene

Concen: 45.952 ng

RT: 9.951 min Scan# 1319

Delta R.T. -0.006 min

Lab File: BF142922.D

Acq: 30 Jun 2025 18:43

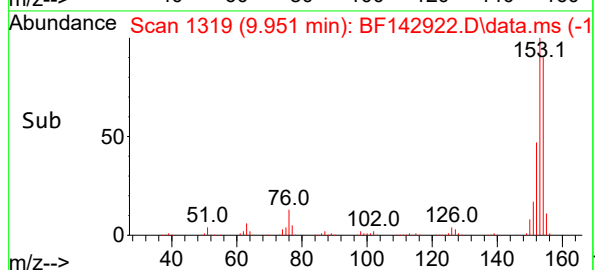
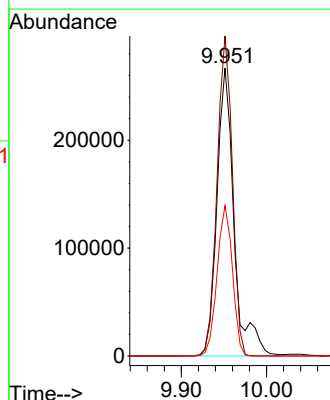
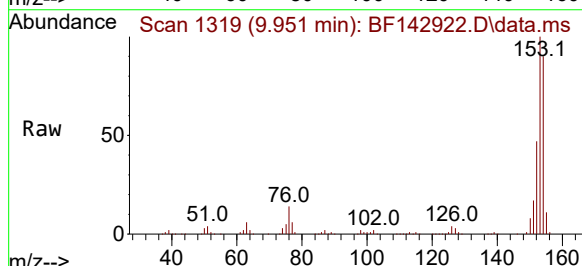
Tgt Ion:154 Resp: 372582

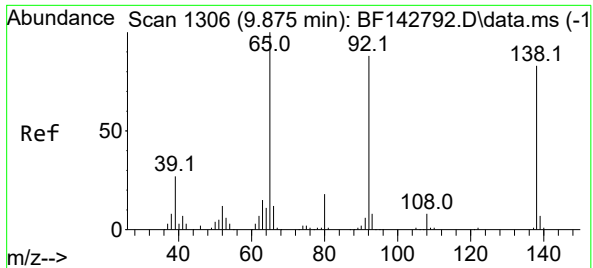
Ion Ratio Lower Upper

154 100

153 111.2 90.0 135.0

152 52.3 41.9 62.9

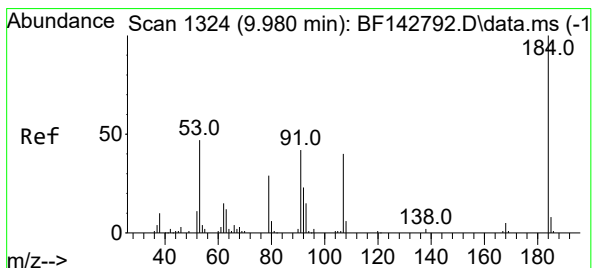
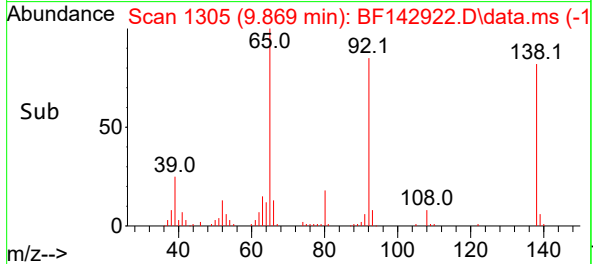
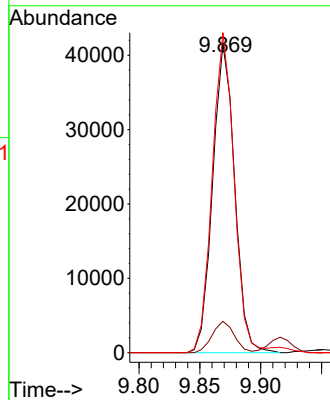
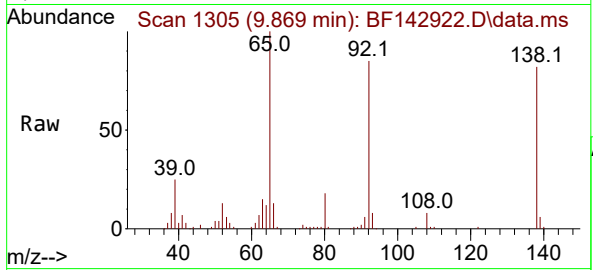




#53
3-Nitroaniline
Concen: 24.466 ng
RT: 9.869 min Scan# 11
Delta R.T. -0.006 min
Lab File: BF142922.D
Acq: 30 Jun 2025 18:43

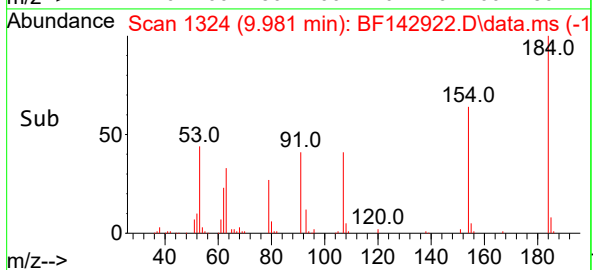
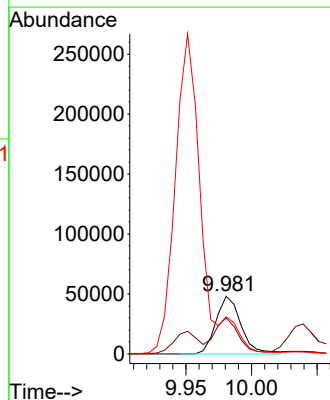
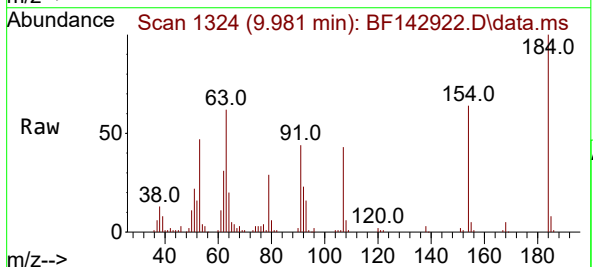
Instrument :
BNA_F
ClientSampleId :
MH-E/FMSD

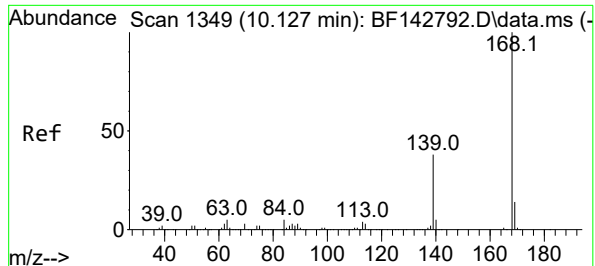
Tgt Ion:138 Resp: 52145
Ion Ratio Lower Upper
138 100
108 10.1 8.1 12.1
92 103.6 85.1 127.7



#54
2,4-Dinitrophenol
Concen: 66.079 ng
RT: 9.981 min Scan# 1324
Delta R.T. 0.000 min
Lab File: BF142922.D
Acq: 30 Jun 2025 18:43

Tgt Ion:184 Resp: 64050
Ion Ratio Lower Upper
184 100
63 62.3 50.6 75.8
154 64.5 51.8 77.8





#55

Dibenzenofuran

Concen: 43.075 ng

RT: 10.122 min Scan# 1348

Delta R.T. -0.006 min

Lab File: BF142922.D

Acq: 30 Jun 2025 18:43

Instrument :

BNA_F

ClientSampleId :

MH-E/FMSD

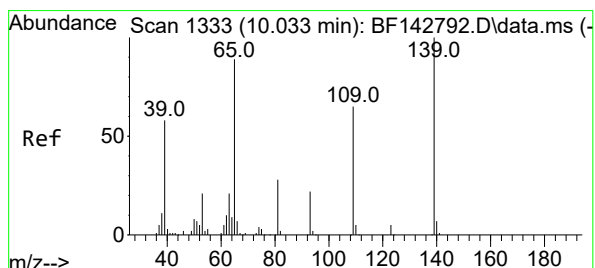
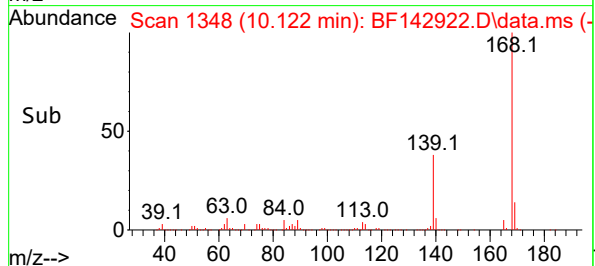
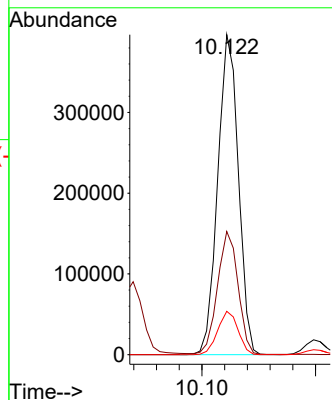
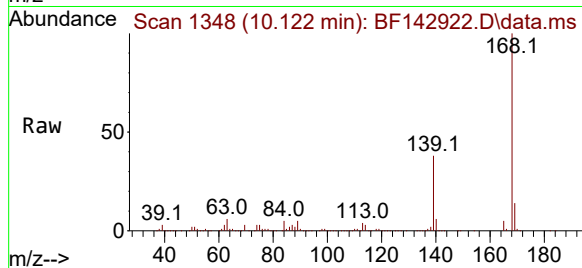
Tgt Ion:168 Resp: 500815

Ion Ratio Lower Upper

168 100

139 38.5 30.2 45.4

169 13.5 10.8 16.2



#56

4-Nitrophenol

Concen: 83.856 ng

RT: 10.039 min Scan# 1334

Delta R.T. 0.006 min

Lab File: BF142922.D

Acq: 30 Jun 2025 18:43

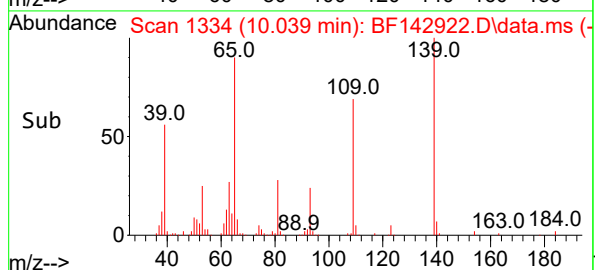
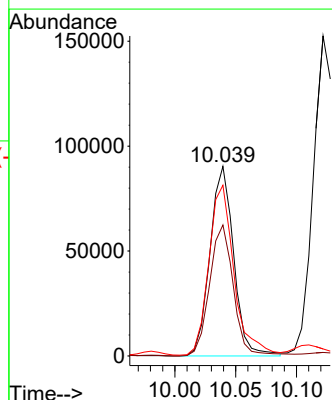
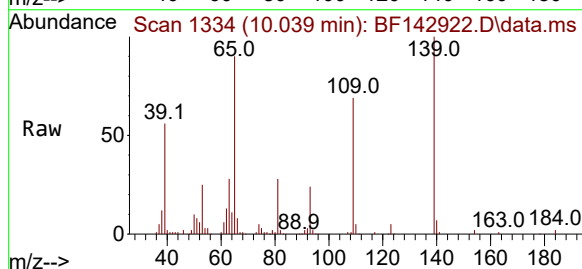
Tgt Ion:139 Resp: 122356

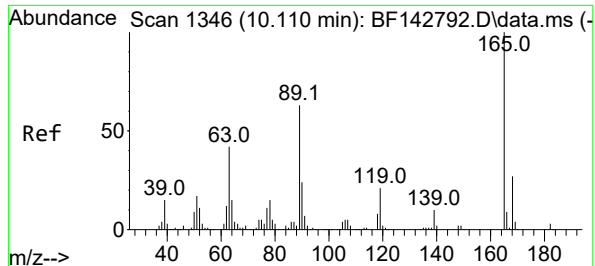
Ion Ratio Lower Upper

139 100

109 69.1 44.7 84.7

65 90.1 69.8 109.8





#57

2,4-Dinitrotoluene

Concen: 45.352 ng

RT: 10.110 min Scan# 11

Delta R.T. 0.000 min

Lab File: BF142922.D

Acq: 30 Jun 2025 18:43

Instrument :

BNA_F

ClientSampleId :

MH-E/FMSD

Tgt Ion:165 Resp: 116615

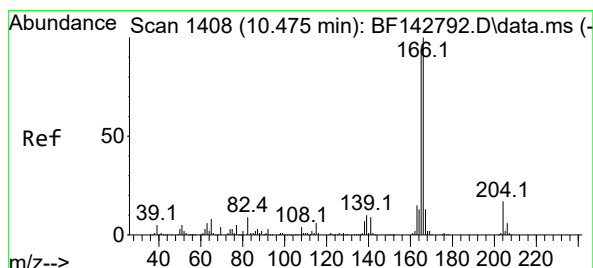
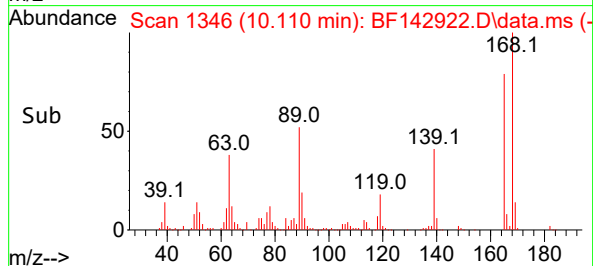
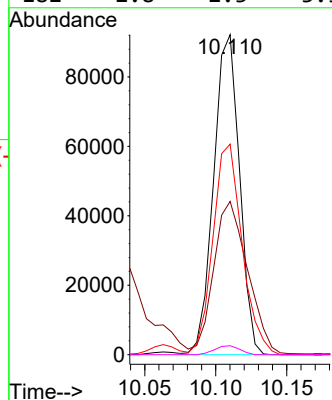
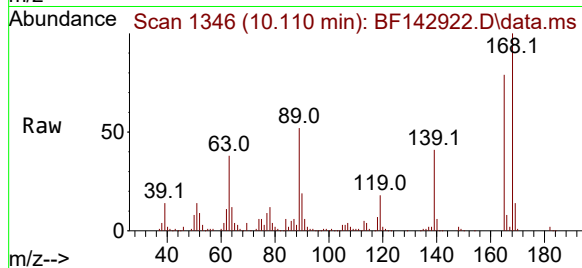
Ion Ratio Lower Upper

165 100

63 47.9 33.9 50.9

89 65.8 50.6 75.8

182 2.8 2.3 3.5



#58

Fluorene

Concen: 43.858 ng

RT: 10.469 min Scan# 1407

Delta R.T. -0.006 min

Lab File: BF142922.D

Acq: 30 Jun 2025 18:43

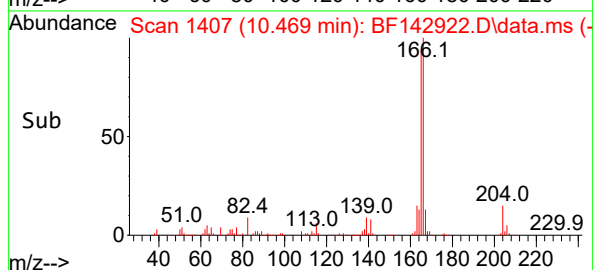
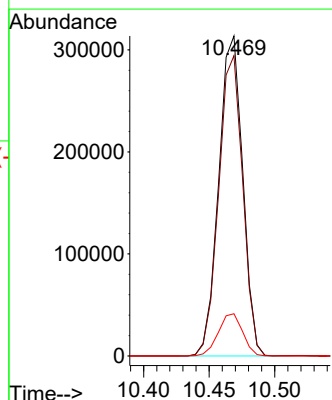
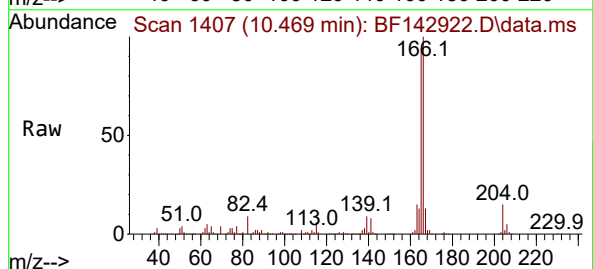
Tgt Ion:166 Resp: 398241

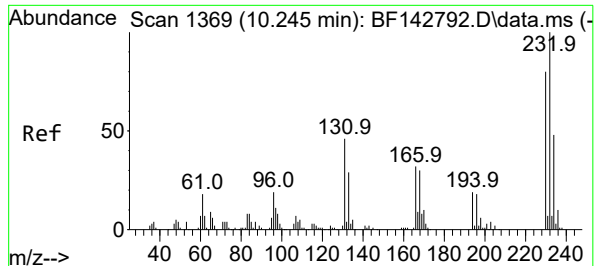
Ion Ratio Lower Upper

166 100

165 93.8 75.2 112.8

167 13.2 10.6 15.8

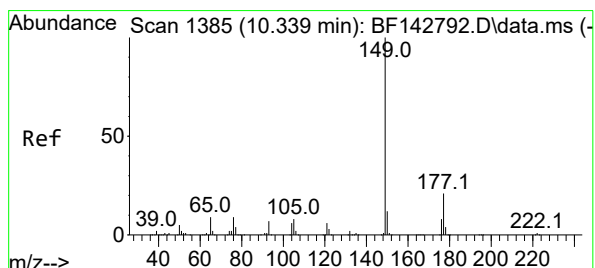
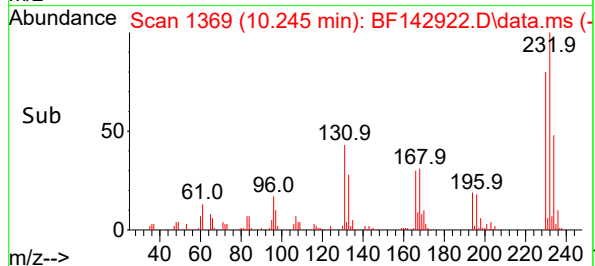
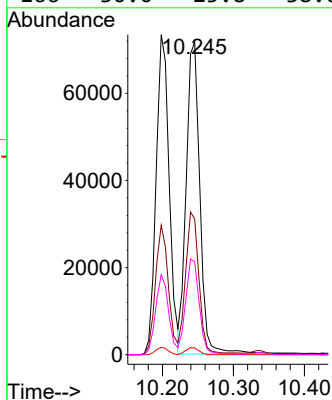
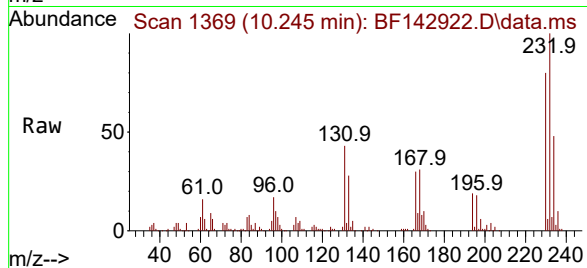




#59
2,3,4,6-Tetrachlorophenol
Concen: 42.951 ng
RT: 10.245 min Scan# 1369
Delta R.T. 0.000 min
Lab File: BF142922.D
Acq: 30 Jun 2025 18:43

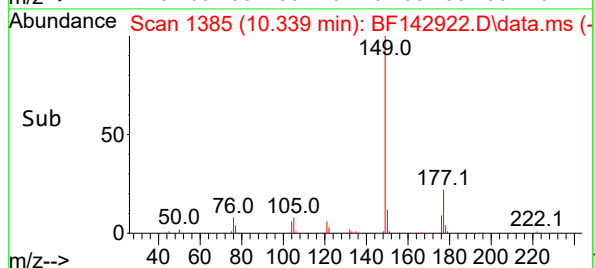
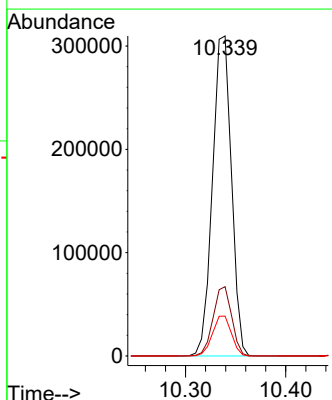
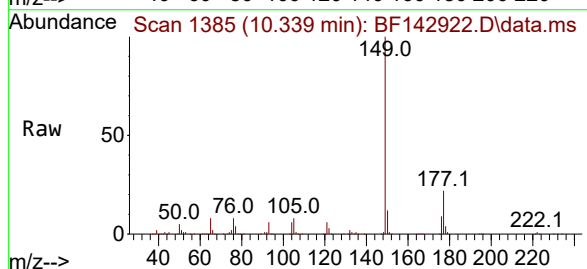
Instrument :
BNA_F
ClientSampleId :
MH-E/FMSD

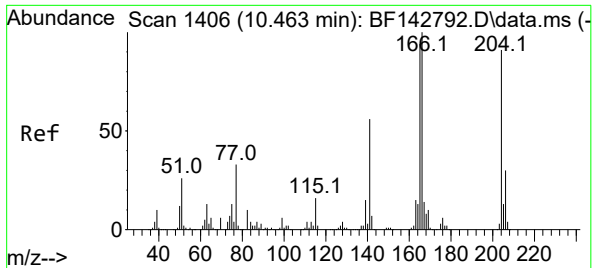
Tgt Ion:232 Resp: 95423
Ion Ratio Lower Upper
232 100
131 44.9 37.6 56.4
130 2.2 1.7 2.5
166 30.0 25.8 38.6



#60
Diethylphthalate
Concen: 47.107 ng
RT: 10.339 min Scan# 1385
Delta R.T. 0.000 min
Lab File: BF142922.D
Acq: 30 Jun 2025 18:43

Tgt Ion:149 Resp: 407136
Ion Ratio Lower Upper
149 100
177 21.6 17.0 25.6
150 12.5 9.8 14.6

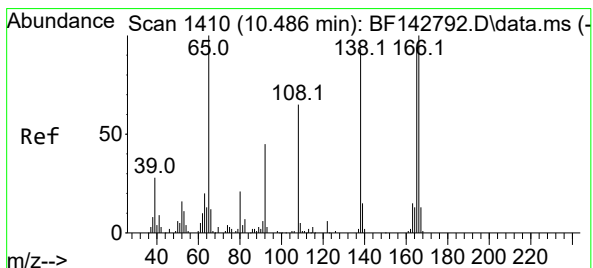
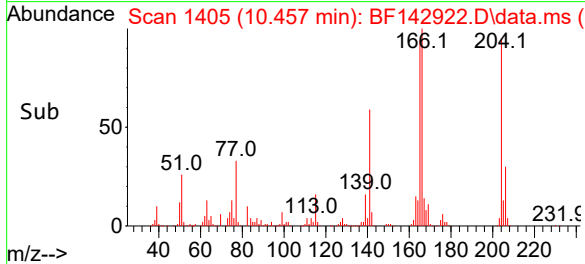
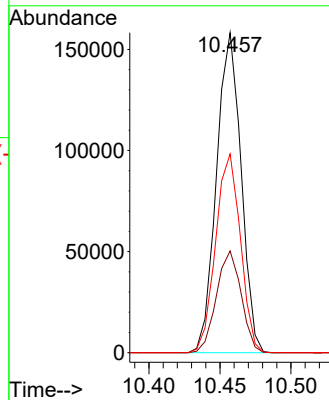
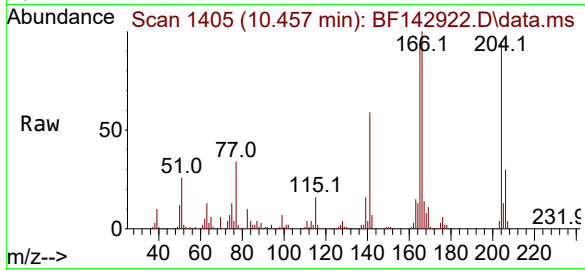




#61
4-Chlorophenyl-phenylether
Concen: 43.927 ng
RT: 10.457 min Scan# 1405
Delta R.T. -0.006 min
Lab File: BF142922.D
Acq: 30 Jun 2025 18:43

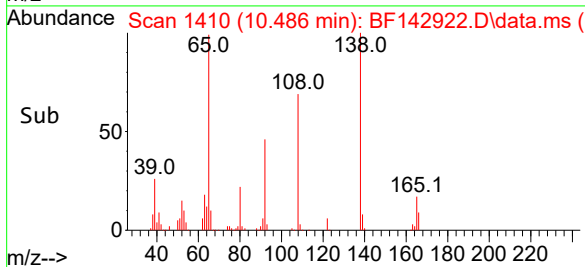
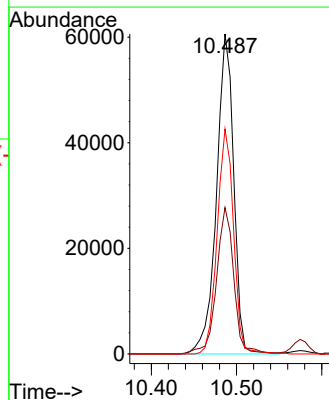
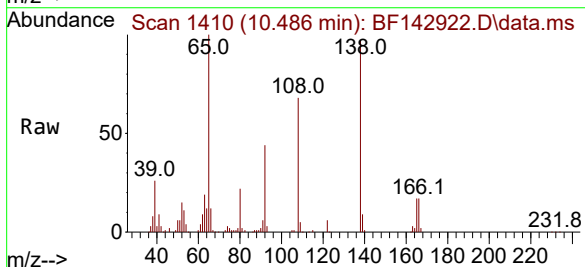
Instrument :
BNA_F
ClientSampleId :
MH-E/FMSD

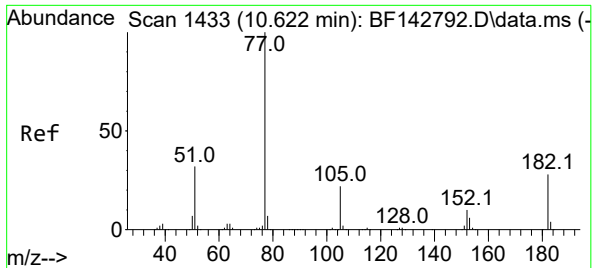
Tgt Ion:204 Resp: 190334
Ion Ratio Lower Upper
204 100
206 31.8 26.3 39.5
141 62.1 49.1 73.7



#62
4-Nitroaniline
Concen: 43.721 ng
RT: 10.486 min Scan# 1410
Delta R.T. 0.000 min
Lab File: BF142922.D
Acq: 30 Jun 2025 18:43

Tgt Ion:138 Resp: 85223
Ion Ratio Lower Upper
138 100
92 45.7 28.4 68.4
108 70.3 50.2 90.2

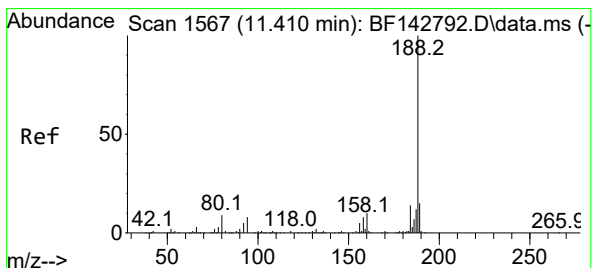
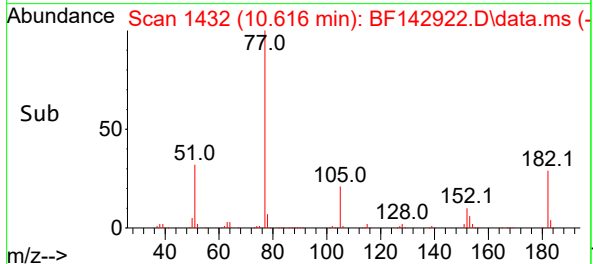
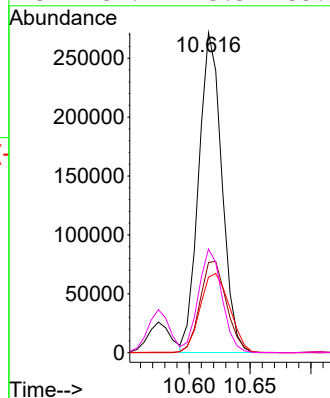
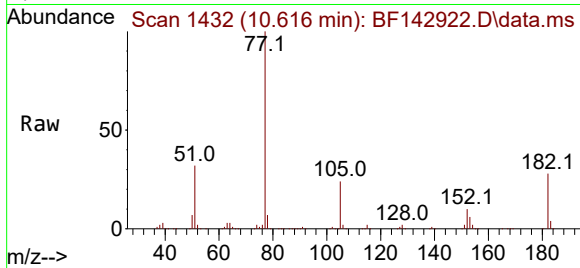




#63
Azobenzene
Concen: 46.526 ng
RT: 10.616 min Scan# 1432
Delta R.T. -0.006 min
Lab File: BF142922.D
Acq: 30 Jun 2025 18:43

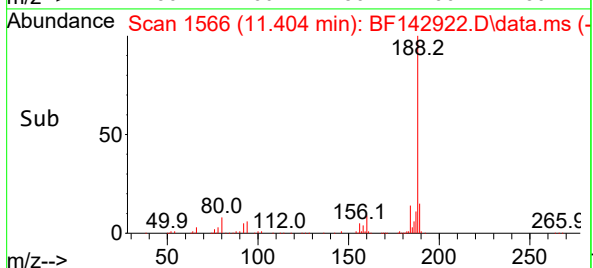
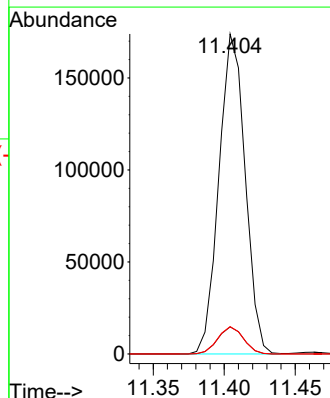
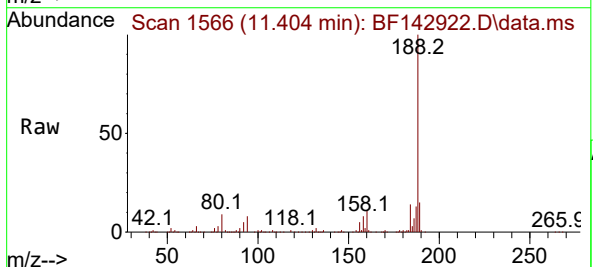
Instrument :
BNA_F
ClientSampleId :
MH-E/FMSD

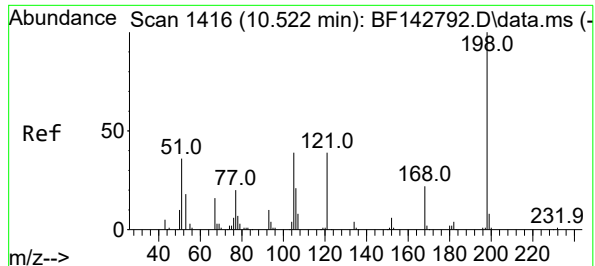
Tgt Ion: 77 Resp: 359391
Ion Ratio Lower Upper
77 100
182 28.2 7.7 47.7
105 23.6 1.9 41.9
51 32.4 13.3 53.3



#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.404 min Scan# 1566
Delta R.T. -0.006 min
Lab File: BF142922.D
Acq: 30 Jun 2025 18:43

Tgt Ion: 188 Resp: 223120
Ion Ratio Lower Upper
188 100
94 8.5 6.7 10.1
80 8.6 6.9 10.3

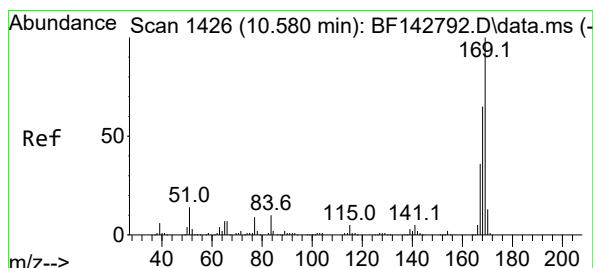
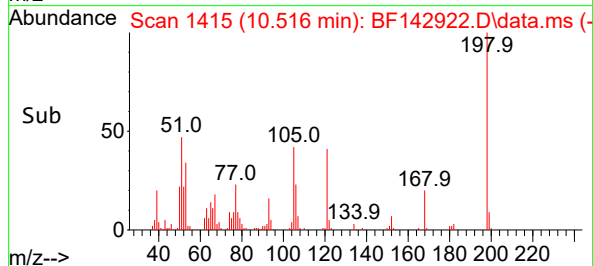
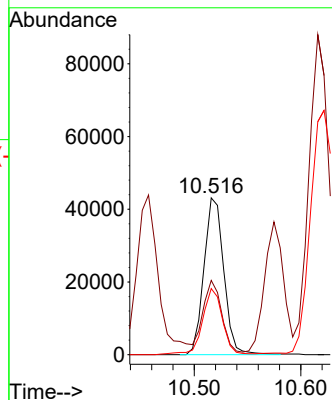
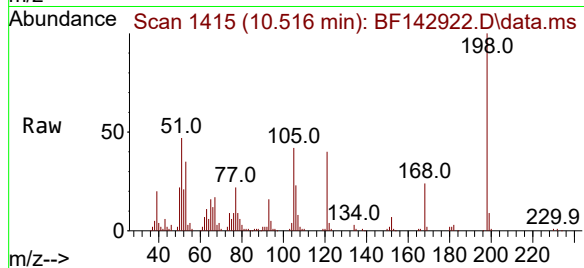




#65
4,6-Dinitro-2-methylphenol
Concen: 41.474 ng
RT: 10.516 min Scan# 1416
Delta R.T. -0.006 min
Lab File: BF142922.D
Acq: 30 Jun 2025 18:43

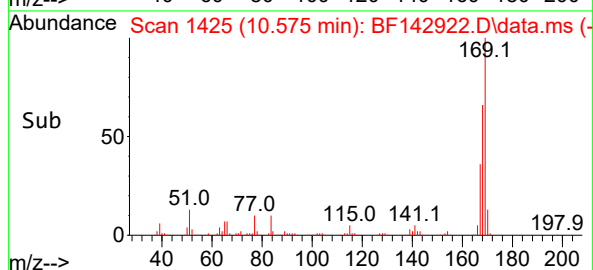
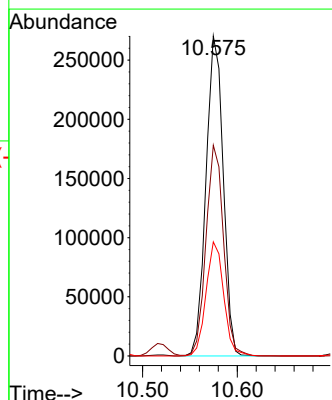
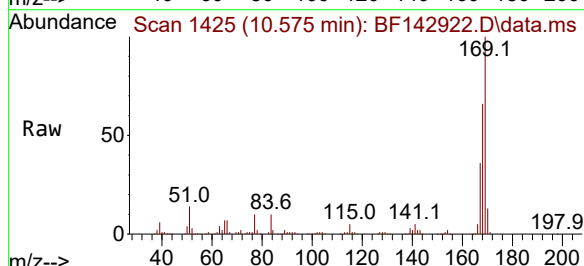
Instrument :
BNA_F
ClientSampleId :
MH-E/FMSD

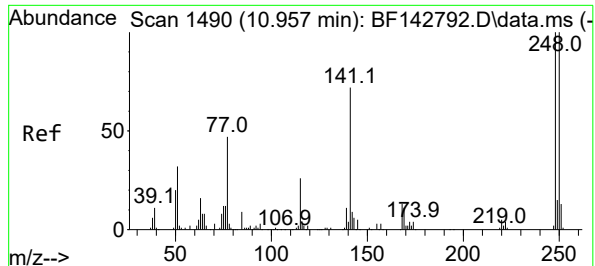
Tgt Ion:198 Resp: 55973
Ion Ratio Lower Upper
198 100
51 47.4 25.4 65.4
105 42.1 20.4 60.4



#66
n-Nitrosodiphenylamine
Concen: 44.145 ng
RT: 10.575 min Scan# 1425
Delta R.T. -0.006 min
Lab File: BF142922.D
Acq: 30 Jun 2025 18:43

Tgt Ion:169 Resp: 341361
Ion Ratio Lower Upper
169 100
168 65.9 51.9 77.9
167 35.6 28.5 42.7

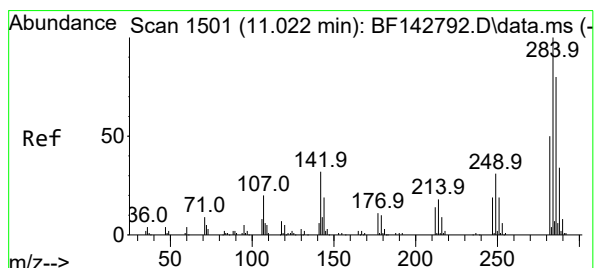
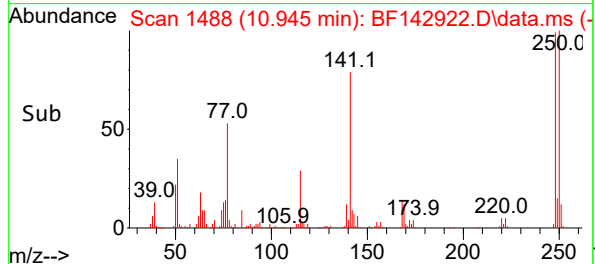
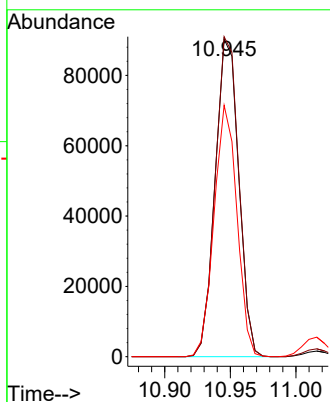
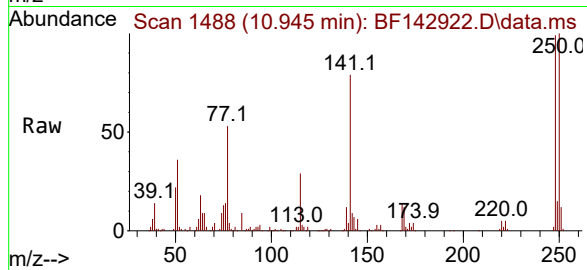




#67
4-Bromophenyl-phenylether
Concen: 44.546 ng
RT: 10.945 min Scan# 1490
Delta R.T. -0.012 min
Lab File: BF142922.D
Acq: 30 Jun 2025 18:43

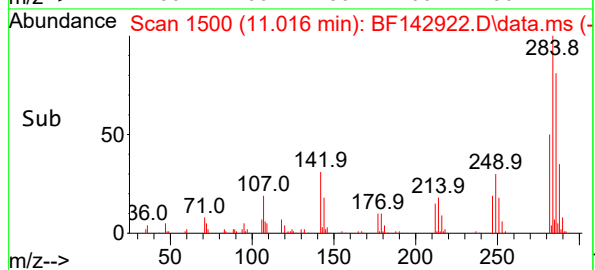
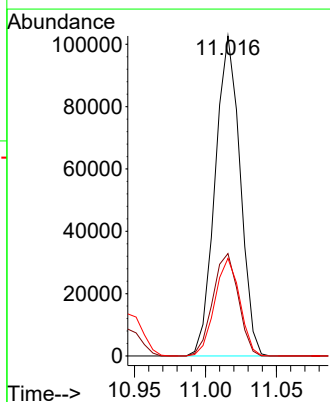
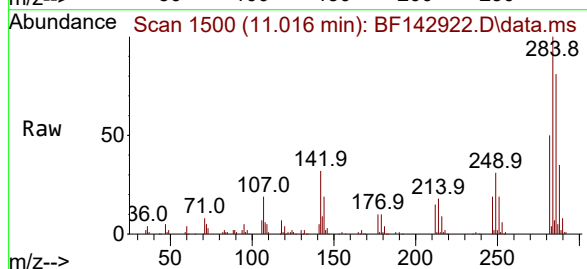
Instrument :
BNA_F
ClientSampleId :
MH-E/FMSD

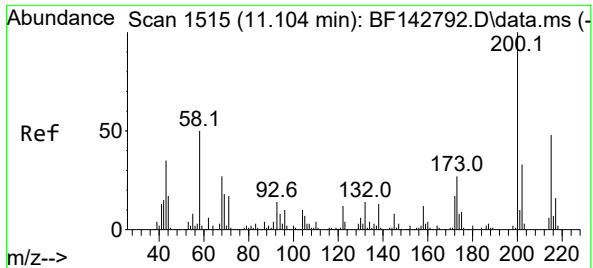
Tgt Ion:248 Resp: 113116
Ion Ratio Lower Upper
248 100
250 100.7 79.8 119.8
141 79.1 57.8 86.6



#68
Hexachlorobenzene
Concen: 44.491 ng
RT: 11.016 min Scan# 1500
Delta R.T. -0.006 min
Lab File: BF142922.D
Acq: 30 Jun 2025 18:43

Tgt Ion:284 Resp: 125535
Ion Ratio Lower Upper
284 100
142 32.0 25.5 38.3
249 30.5 24.9 37.3





#69

Atrazine

Concen: 52.538 ng

RT: 11.104 min Scan# 1515

Delta R.T. 0.000 min

Lab File: BF142922.D

Acq: 30 Jun 2025 18:43

Instrument :

BNA_F

ClientSampleId :

MH-E/FMSD

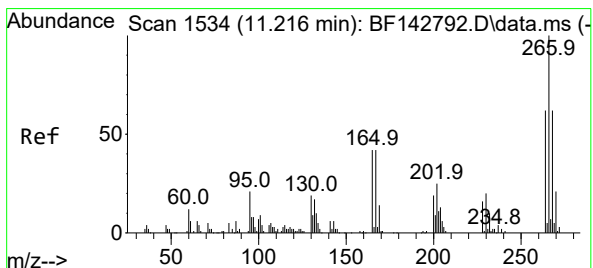
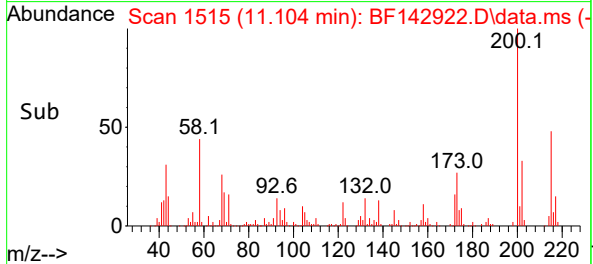
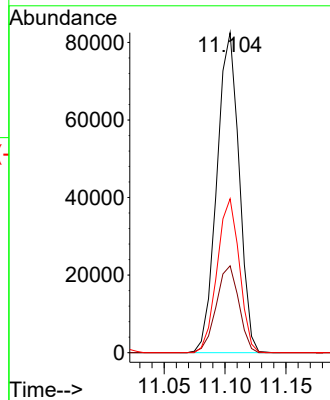
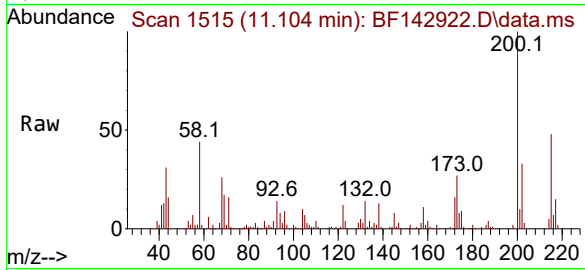
Tgt Ion:200 Resp: 104911

Ion Ratio Lower Upper

200 100

173 27.2 7.4 47.4

215 48.1 28.4 68.4



#70

Pentachlorophenol

Concen: 80.643 ng

RT: 11.210 min Scan# 1533

Delta R.T. -0.006 min

Lab File: BF142922.D

Acq: 30 Jun 2025 18:43

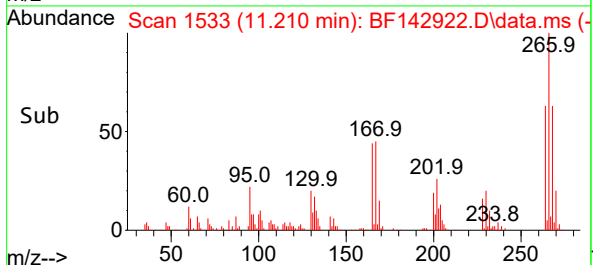
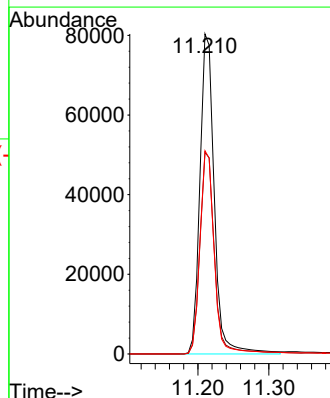
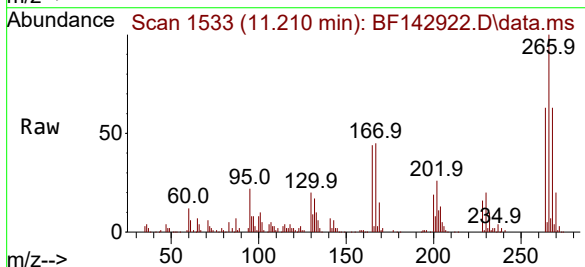
Tgt Ion:266 Resp: 113384

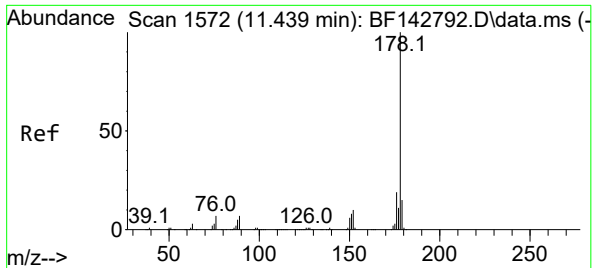
Ion Ratio Lower Upper

266 100

268 63.0 49.8 74.8

264 63.5 49.9 74.9

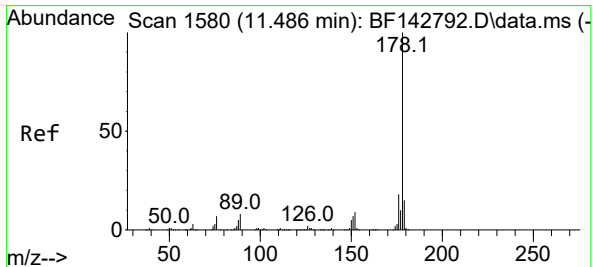
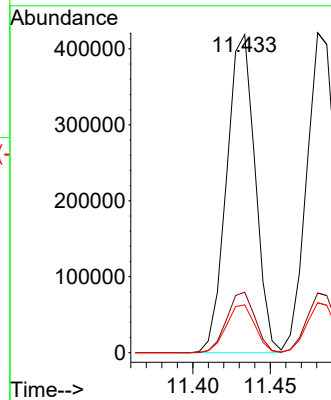
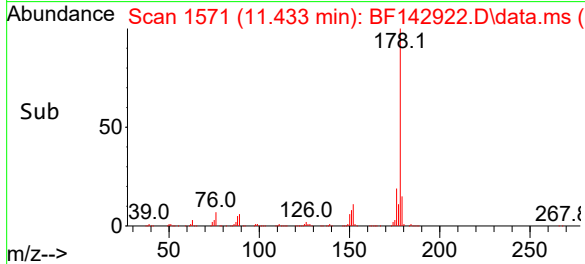
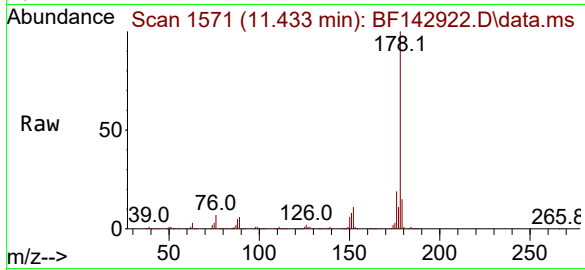




#71
Phenanthrene
Concen: 44.383 ng
RT: 11.433 min Scan# 1572
Delta R.T. -0.006 min
Lab File: BF142922.D
Acq: 30 Jun 2025 18:43

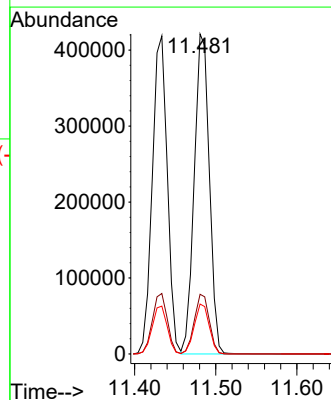
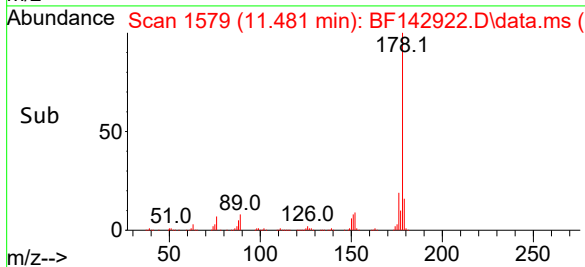
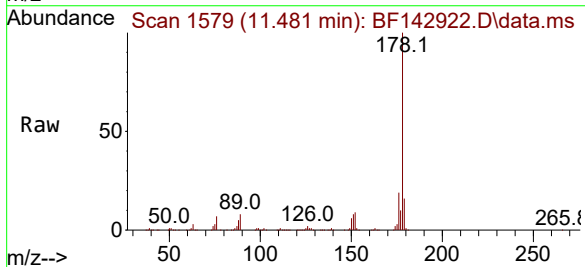
Instrument :
BNA_F
ClientSampleId :
MH-E/FMSD

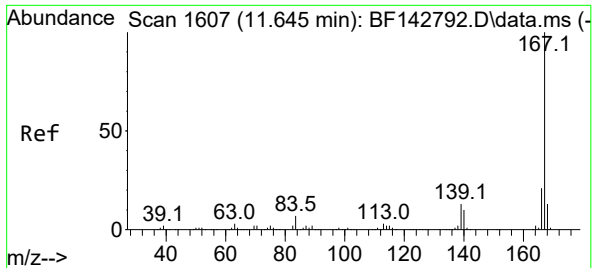
Tgt Ion:178 Resp: 536432
Ion Ratio Lower Upper
178 100
176 19.0 15.1 22.7
179 15.0 12.0 18.0



#72
Anthracene
Concen: 44.065 ng
RT: 11.481 min Scan# 1579
Delta R.T. -0.006 min
Lab File: BF142922.D
Acq: 30 Jun 2025 18:43

Tgt Ion:178 Resp: 546217
Ion Ratio Lower Upper
178 100
176 18.7 14.6 21.8
179 15.6 12.4 18.6





#73

Carbazole

Concen: 44.097 ng

RT: 11.639 min Scan# 1

Delta R.T. -0.006 min

Lab File: BF142922.D

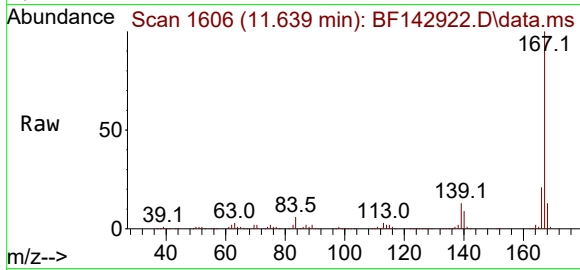
Acq: 30 Jun 2025 18:43

Instrument :

BNA_F

ClientSampleId :

MH-E/FMSD



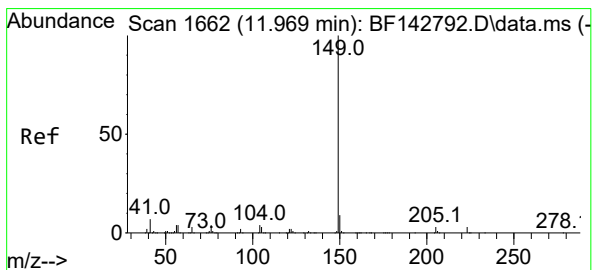
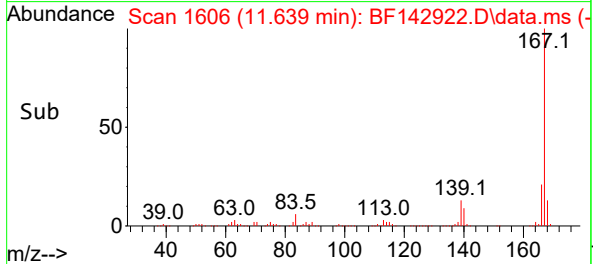
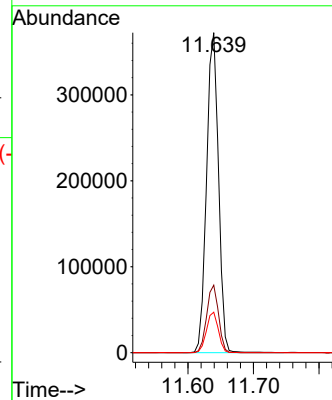
Tgt Ion:167 Resp: 471711

Ion Ratio Lower Upper

167 100

166 21.1 17.0 25.4

139 12.7 10.2 15.2



#74

Di-n-butylphthalate

Concen: 53.390 ng

RT: 11.963 min Scan# 1661

Delta R.T. -0.006 min

Lab File: BF142922.D

Acq: 30 Jun 2025 18:43

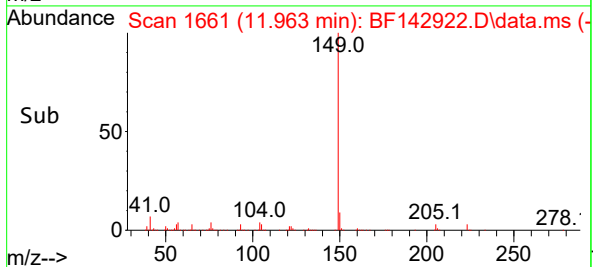
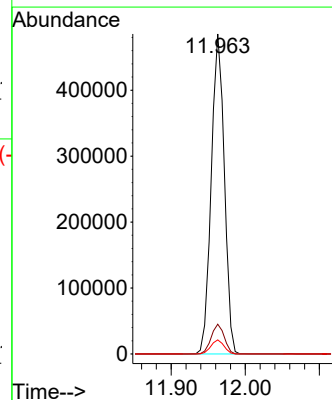
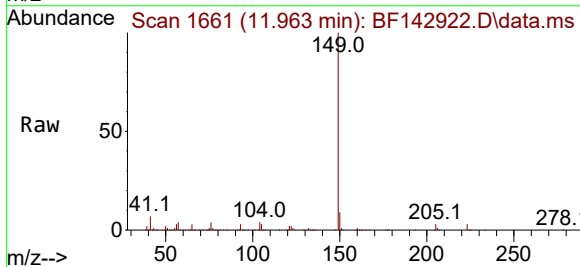
Tgt Ion:149 Resp: 594954

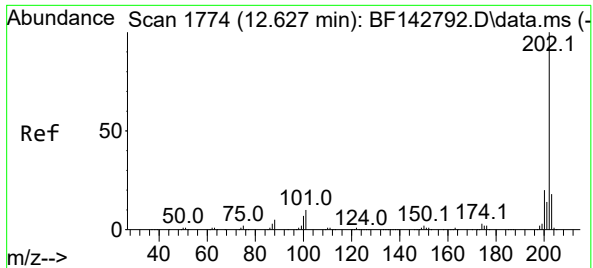
Ion Ratio Lower Upper

149 100

150 9.3 7.4 11.0

104 4.4 3.5 5.3

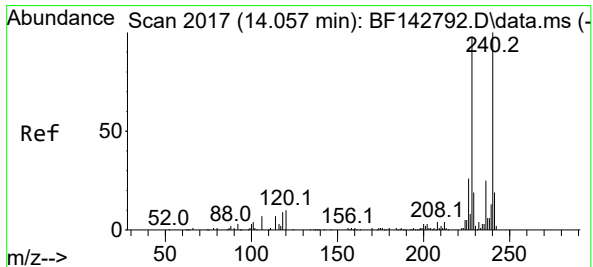
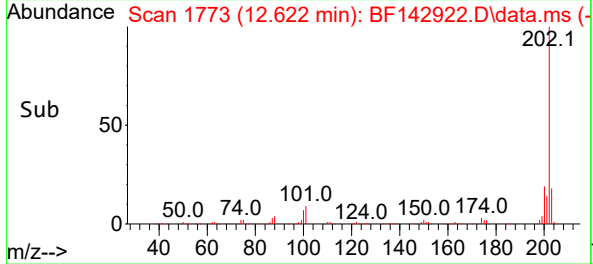
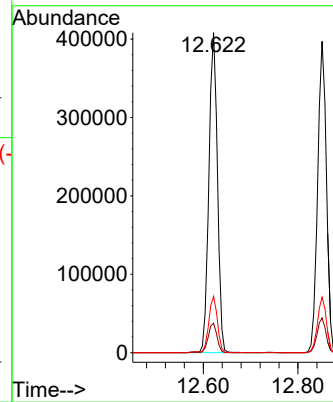
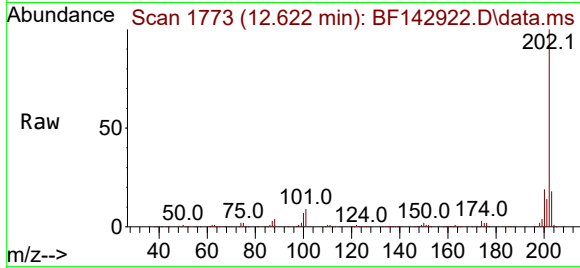




#75
Fluoranthene
Concen: 44.633 ng
RT: 12.622 min Scan# 1
Delta R.T. -0.006 min
Lab File: BF142922.D
Acq: 30 Jun 2025 18:43

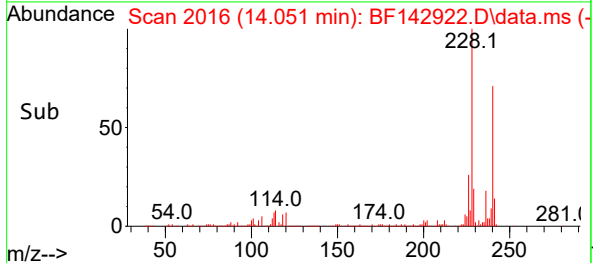
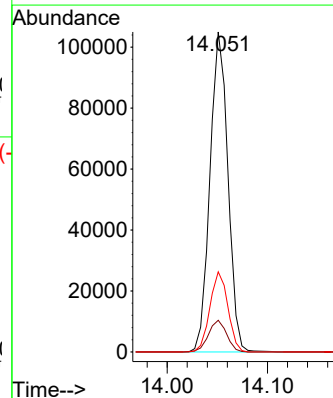
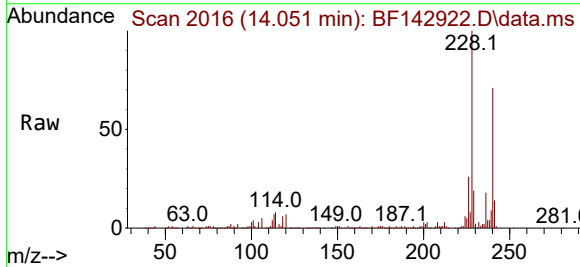
Instrument :
BNA_F
ClientSampleId :
MH-E/FMSD

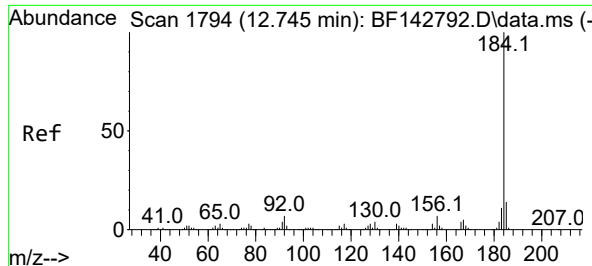
Tgt Ion	Ratio	Lower	Upper
202	100		
101	9.2	0.0	29.7
203	17.6	0.0	37.5



#76
Chrysene-d12
Concen: 20.000 ng
RT: 14.051 min Scan# 2016
Delta R.T. -0.006 min
Lab File: BF142922.D
Acq: 30 Jun 2025 18:43

Tgt Ion	Ratio	Lower	Upper
240	100		
120	9.9	8.2	12.2
236	25.0	19.8	29.8





#77

Benzidine

Concen: 21.920 ng

RT: 12.739 min Scan# 11

Delta R.T. -0.006 min

Lab File: BF142922.D

Acq: 30 Jun 2025 18:43

Instrument :

BNA_F

ClientSampleId :

MH-E/FMSD

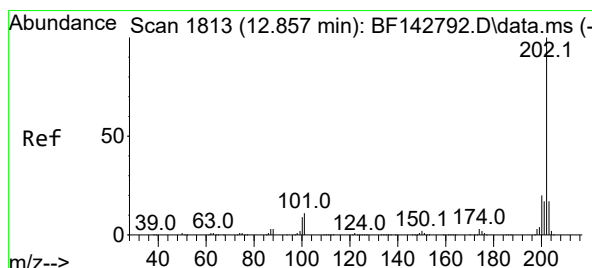
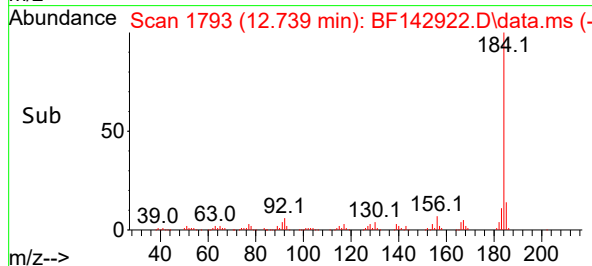
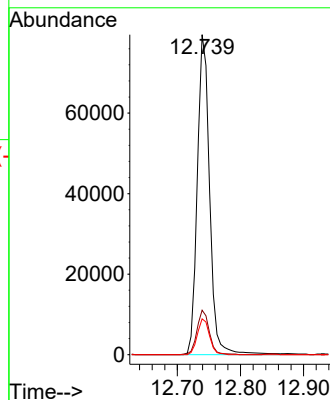
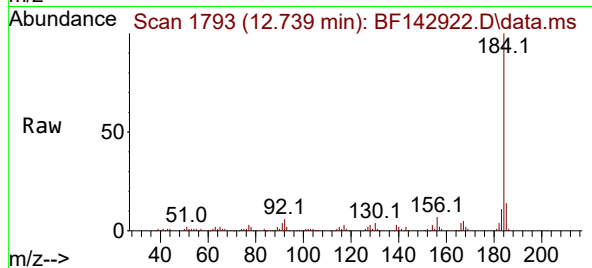
Tgt Ion:184 Resp: 107520

Ion Ratio Lower Upper

184 100

185 13.9 11.5 17.3

183 11.2 9.0 13.4



#78

Pyrene

Concen: 41.933 ng

RT: 12.851 min Scan# 1812

Delta R.T. -0.006 min

Lab File: BF142922.D

Acq: 30 Jun 2025 18:43

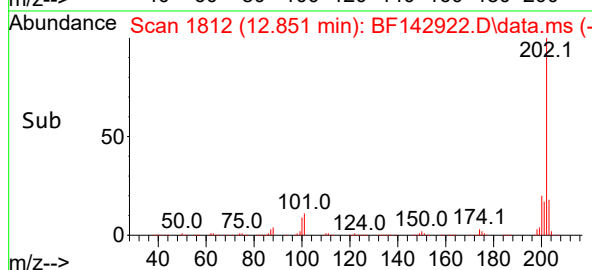
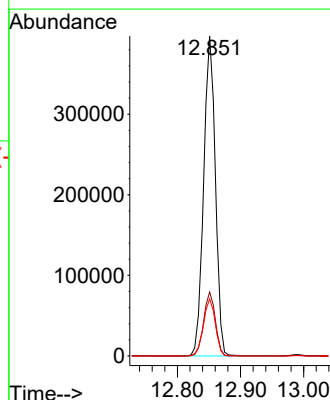
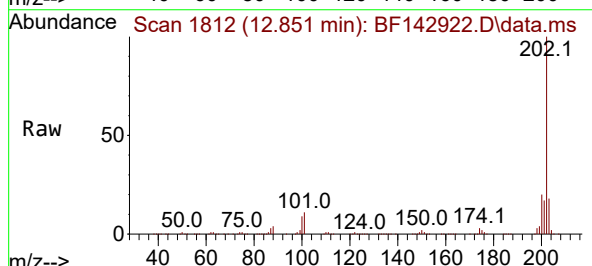
Tgt Ion:202 Resp: 513149

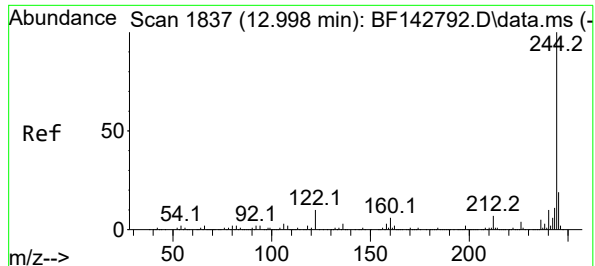
Ion Ratio Lower Upper

202 100

200 20.0 15.7 23.5

203 17.9 13.8 20.6





#79

Terphenyl-d14

Concen: 53.469 ng

RT: 12.992 min Scan# 1836

Delta R.T. -0.006 min

Lab File: BF142922.D

Acq: 30 Jun 2025 18:43

Instrument :

BNA_F

ClientSampleId :

MH-E/FMSD

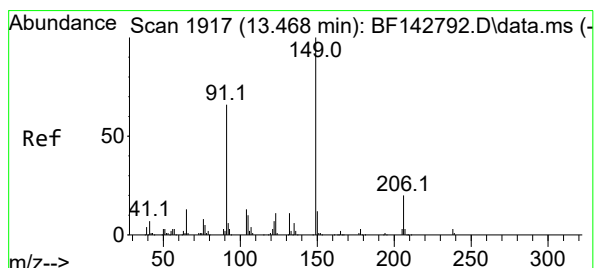
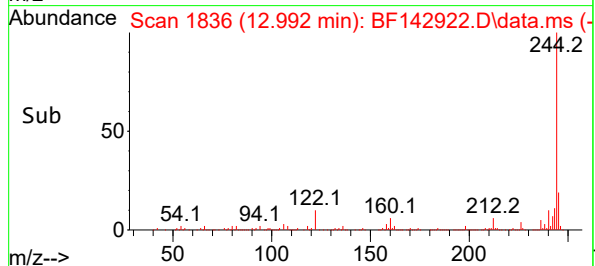
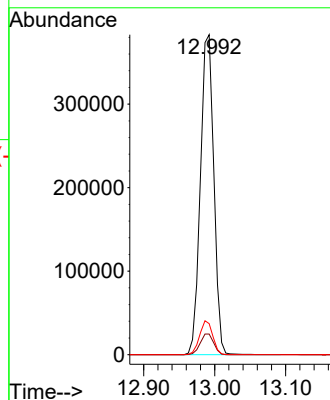
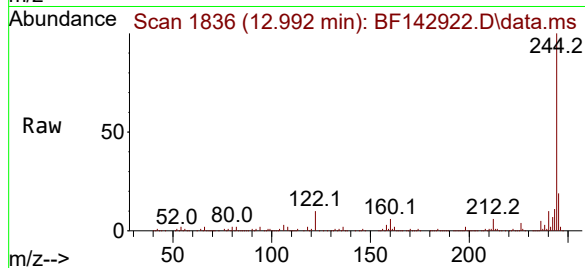
Tgt Ion:244 Resp: 505216

Ion Ratio Lower Upper

244 100

212 6.5 5.4 8.0

122 9.7 8.2 12.2



#80

Butylbenzylphthalate

Concen: 54.434 ng

RT: 13.463 min Scan# 1916

Delta R.T. -0.006 min

Lab File: BF142922.D

Acq: 30 Jun 2025 18:43

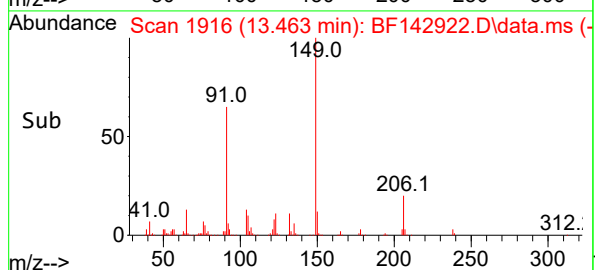
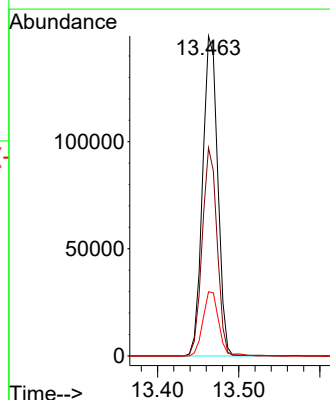
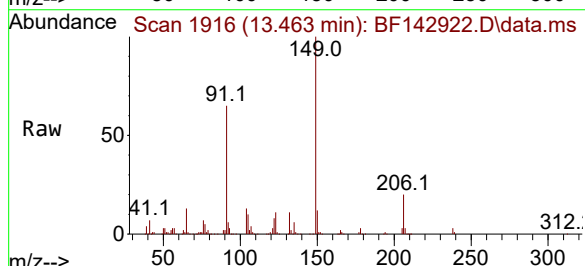
Tgt Ion:149 Resp: 193223

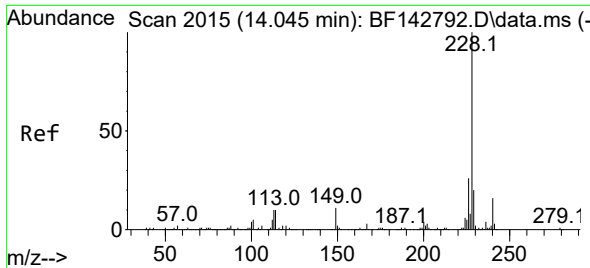
Ion Ratio Lower Upper

149 100

91 65.1 52.9 79.3

206 20.0 16.3 24.5

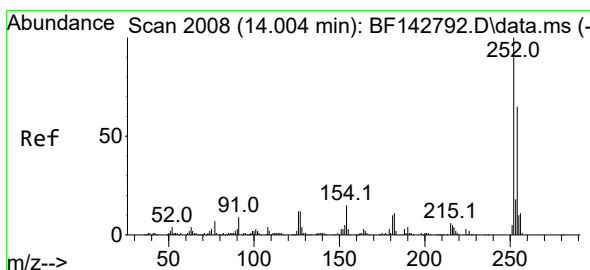
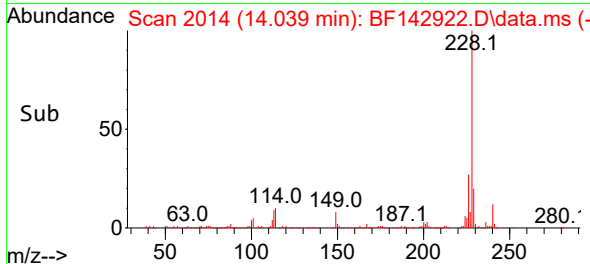
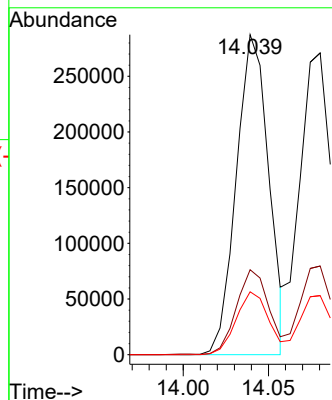
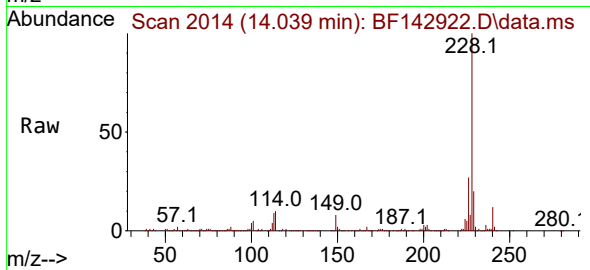




#81
Benzo(a)anthracene
Concen: 43.186 ng
RT: 14.039 min Scan# 2015
Delta R.T. -0.006 min
Lab File: BF142922.D
Acq: 30 Jun 2025 18:43

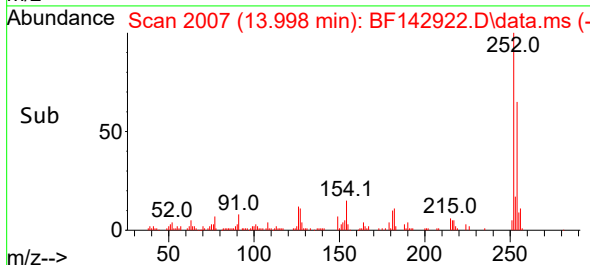
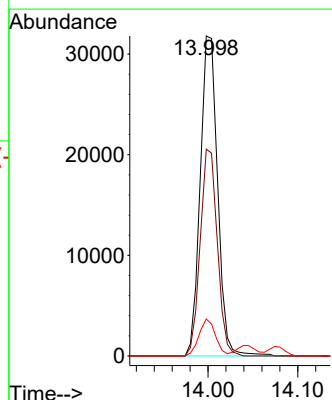
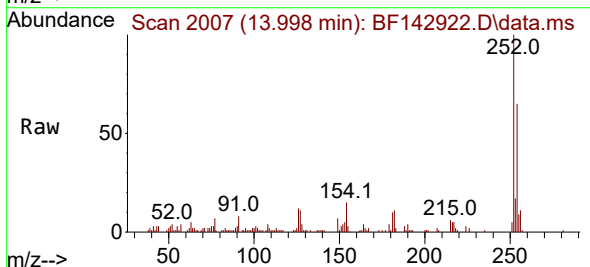
Instrument :
BNA_F
ClientSampleId :
MH-E/FMSD

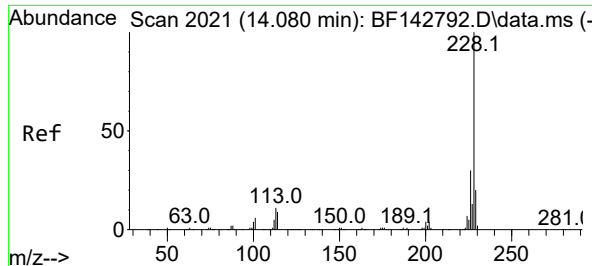
Tgt Ion:228 Resp: 380347
Ion Ratio Lower Upper
228 100
226 26.6 21.2 31.8
229 19.7 15.6 23.4



#82
3,3'-Dichlorobenzidine
Concen: 14.983 ng
RT: 13.998 min Scan# 2007
Delta R.T. -0.006 min
Lab File: BF142922.D
Acq: 30 Jun 2025 18:43

Tgt Ion:252 Resp: 42802
Ion Ratio Lower Upper
252 100
254 64.6 51.7 77.5
126 11.6 9.4 14.2





#83

Chrysene

Concen: 45.577 ng

RT: 14.080 min Scan# 20

Delta R.T. 0.000 min

Lab File: BF142922.D

Acq: 30 Jun 2025 18:43

Instrument :

BNA_F

ClientSampleId :

MH-E/FMSD

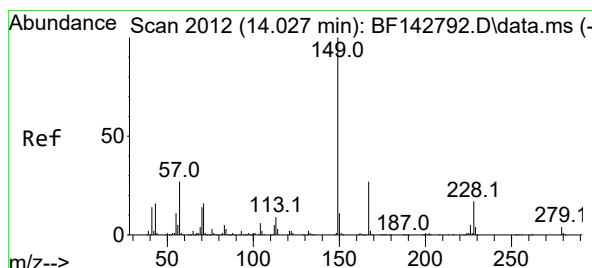
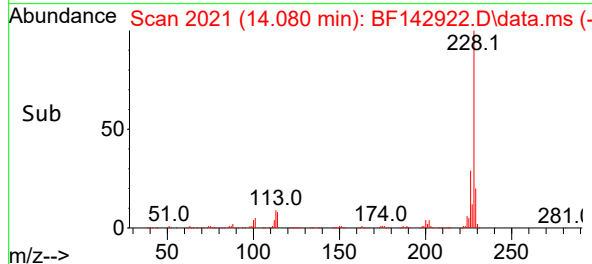
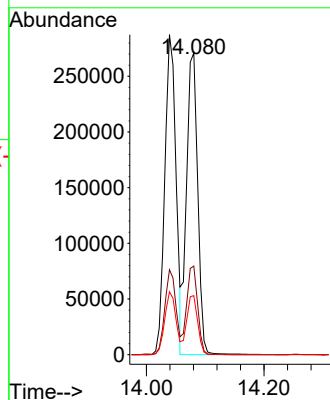
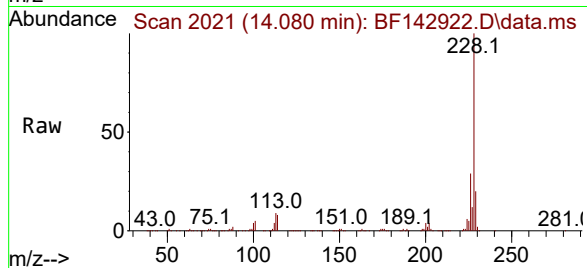
Tgt Ion:228 Resp: 358185

Ion Ratio Lower Upper

228 100

226 29.4 23.7 35.5

229 19.6 15.7 23.5



#84

Bis(2-ethylhexyl)phthalate

Concen: 51.288 ng

RT: 14.022 min Scan# 2011

Delta R.T. -0.006 min

Lab File: BF142922.D

Acq: 30 Jun 2025 18:43

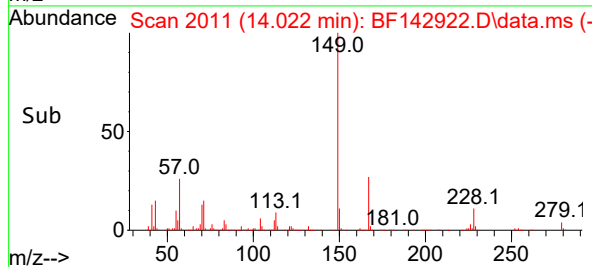
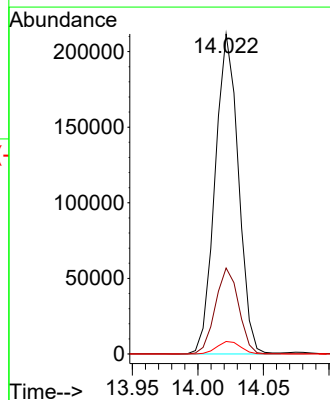
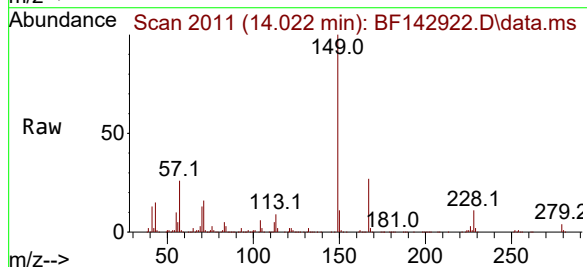
Tgt Ion:149 Resp: 261938

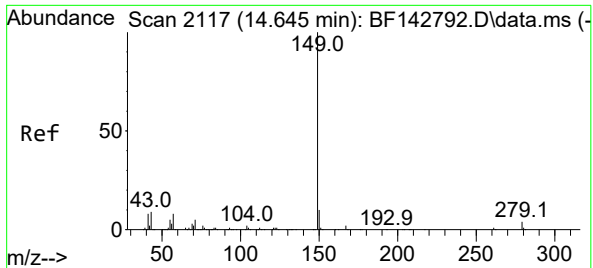
Ion Ratio Lower Upper

149 100

167 26.8 21.4 32.0

279 3.9 3.0 4.6

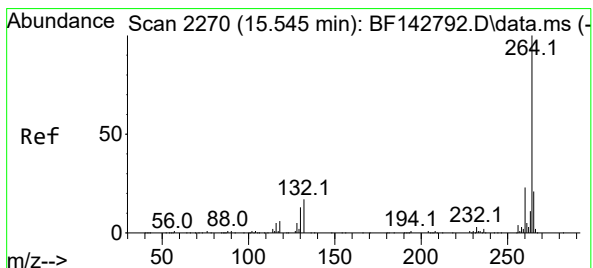
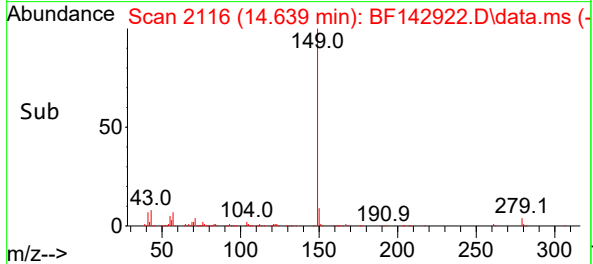
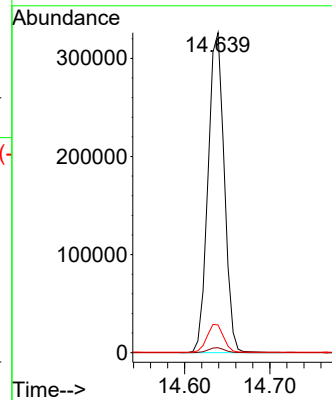
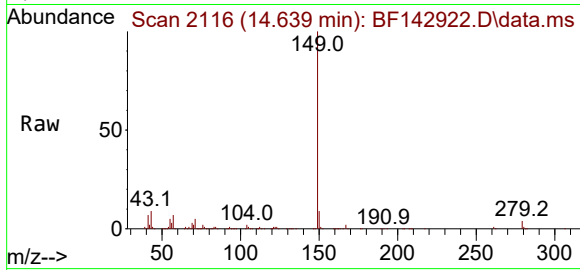




#85
Di-n-octyl phthalate
Concen: 44.829 ng
RT: 14.639 min Scan# 2117
Delta R.T. -0.006 min
Lab File: BF142922.D
Acq: 30 Jun 2025 18:43

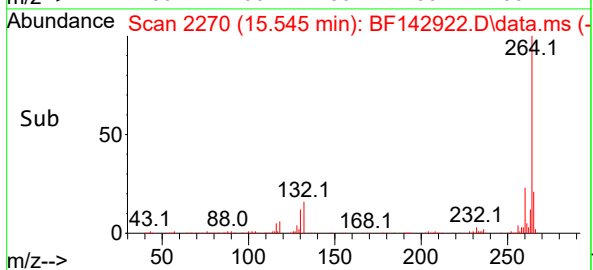
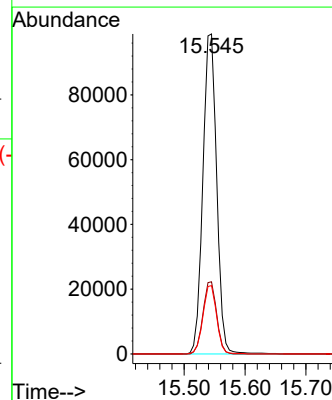
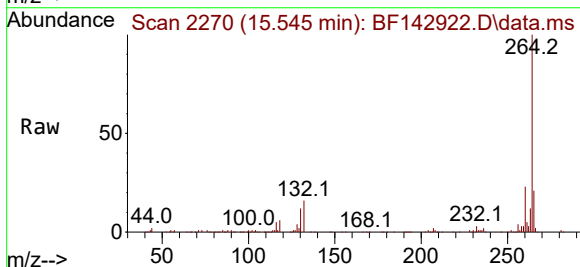
Instrument :
BNA_F
ClientSampleId :
MH-E/FMSD

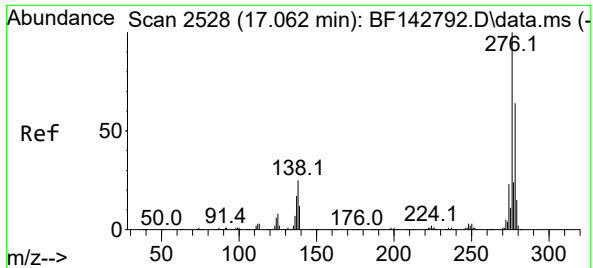
Tgt Ion	Ratio	Lower	Upper
149	100		
167	1.6	1.3	1.9
43	8.9	7.6	11.4



#86
Perylene-d12
Concen: 20.000 ng
RT: 15.545 min Scan# 2270
Delta R.T. 0.000 min
Lab File: BF142922.D
Acq: 30 Jun 2025 18:43

Tgt Ion	Ratio	Lower	Upper
264	100		
260	22.6	18.1	27.1
265	21.4	16.6	25.0





#87

Indeno(1,2,3-cd)pyrene

Concen: 40.454 ng

RT: 17.057 min Scan# 2195

Delta R.T. -0.006 min

Lab File: BF142922.D

Acq: 30 Jun 2025 18:43

Instrument :

BNA_F

ClientSampleId :

MH-E/FMSD

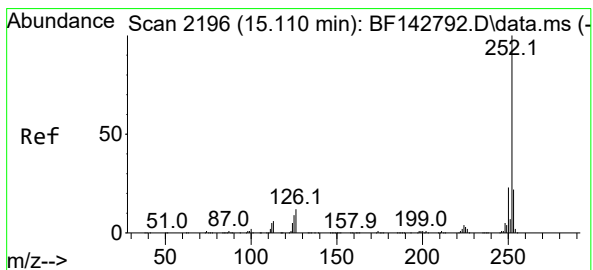
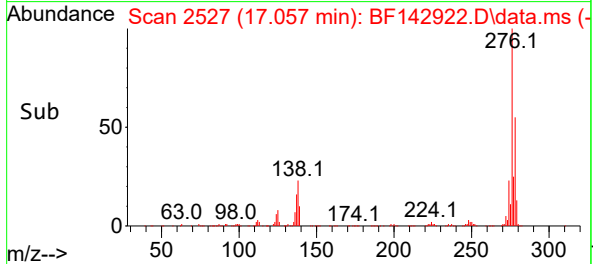
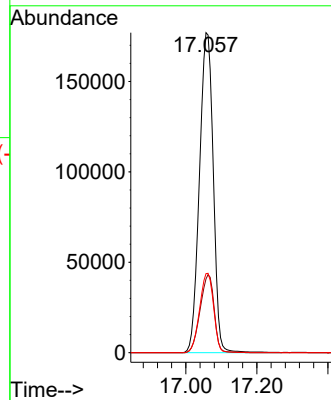
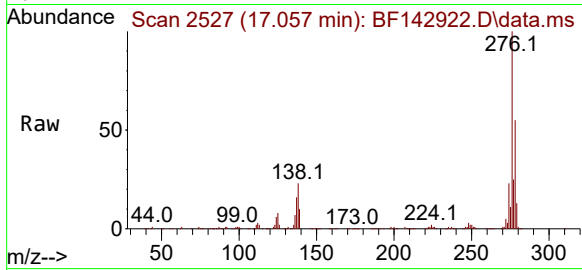
Tgt Ion:276 Resp: 478743

Ion Ratio Lower Upper

276 100

138 24.6 20.2 30.4

277 25.1 19.8 29.6



#88

Benzo(b)fluoranthene

Concen: 47.347 ng

RT: 15.104 min Scan# 2195

Delta R.T. -0.006 min

Lab File: BF142922.D

Acq: 30 Jun 2025 18:43

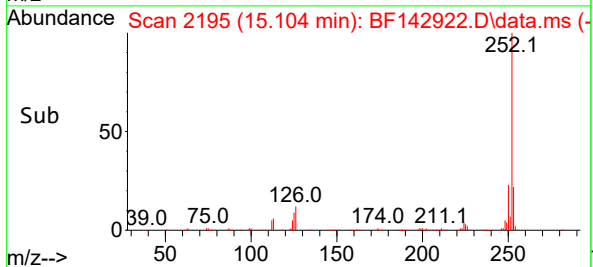
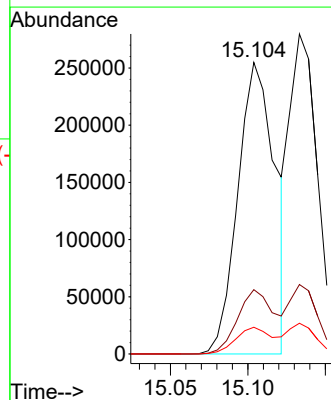
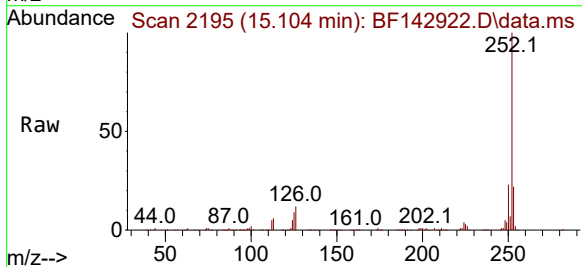
Tgt Ion:252 Resp: 425666

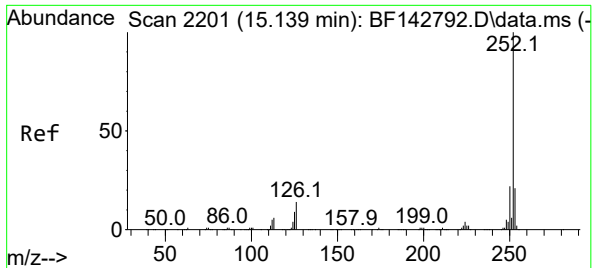
Ion Ratio Lower Upper

252 100

253 22.0 17.5 26.3

125 9.2 7.4 11.0





#89

Benzo(k)fluoranthene

Concen: 41.871 ng

RT: 15.133 min Scan# 21

Delta R.T. -0.006 min

Lab File: BF142922.D

Acq: 30 Jun 2025 18:43

Instrument :

BNA_F

ClientSampleId :

MH-E/FMSD

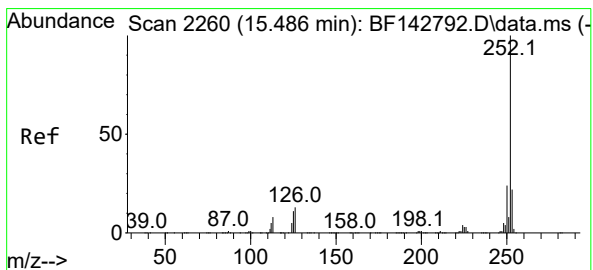
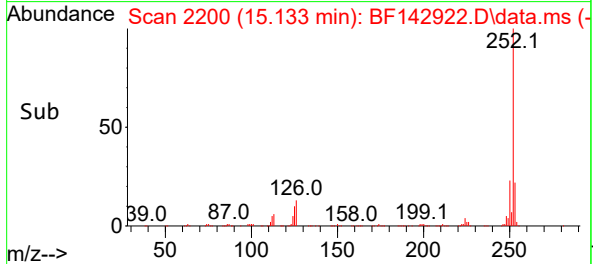
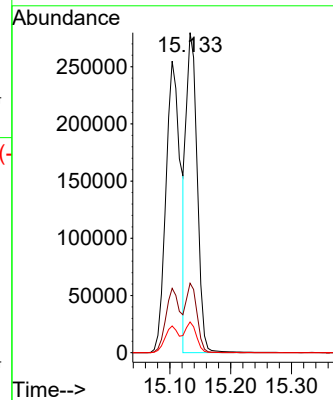
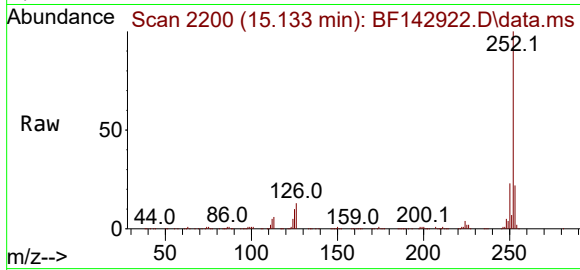
Tgt Ion:252 Resp: 352185

Ion Ratio Lower Upper

252 100

253 21.7 17.2 25.8

125 9.6 7.4 11.2



#90

Benzo(a)pyrene

Concen: 44.980 ng

RT: 15.480 min Scan# 2259

Delta R.T. -0.006 min

Lab File: BF142922.D

Acq: 30 Jun 2025 18:43

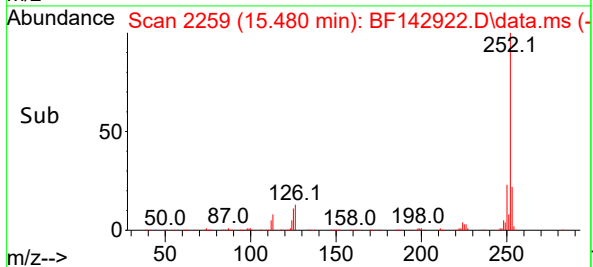
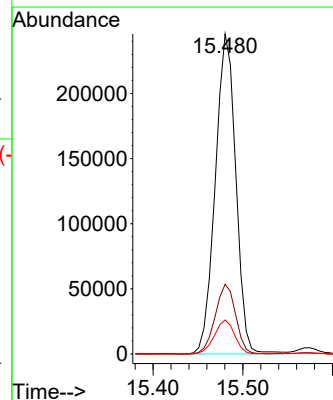
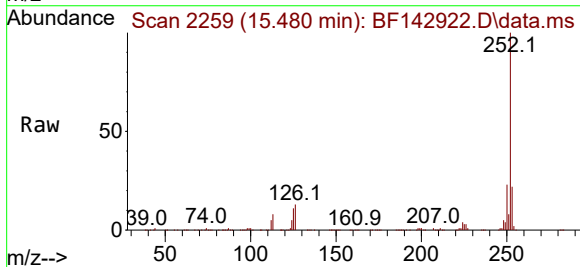
Tgt Ion:252 Resp: 390663

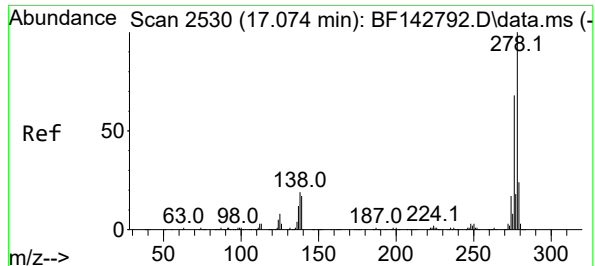
Ion Ratio Lower Upper

252 100

253 21.8 17.5 26.3

125 10.7 8.6 12.8





#91

Dibenzo(a,h)anthracene

Concen: 40.378 ng

RT: 17.074 min Scan# 2530

Delta R.T. 0.000 min

Lab File: BF142922.D

Acq: 30 Jun 2025 18:43

Instrument :

BNA_F

ClientSampleId :

MH-E/FMSD

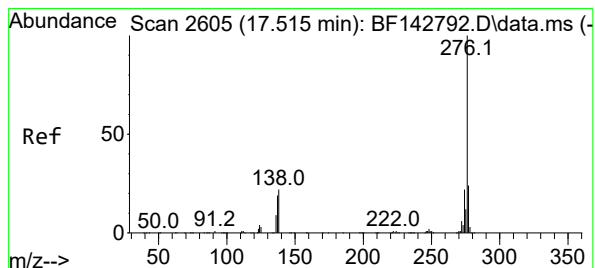
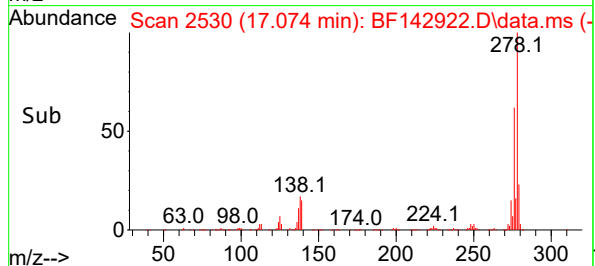
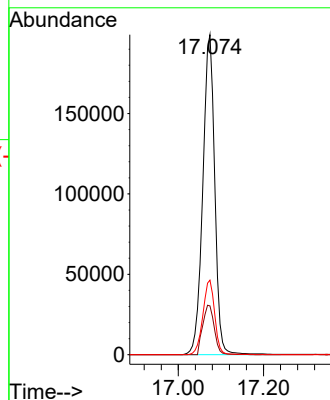
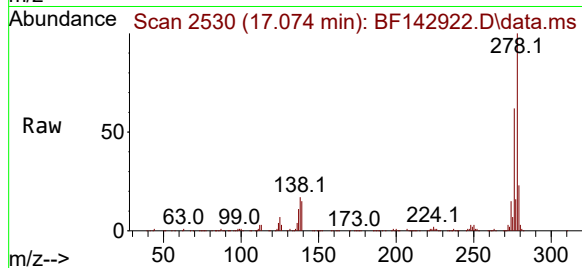
Tgt Ion:278 Resp: 388256

Ion Ratio Lower Upper

278 100

139 15.3 13.5 20.3

279 23.3 18.8 28.2



#92

Benzo(g,h,i)perylene

Concen: 39.524 ng

RT: 17.515 min Scan# 2605

Delta R.T. 0.000 min

Lab File: BF142922.D

Acq: 30 Jun 2025 18:43

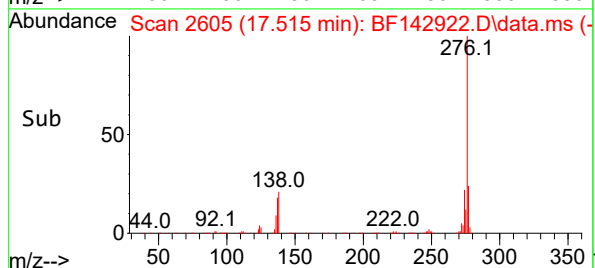
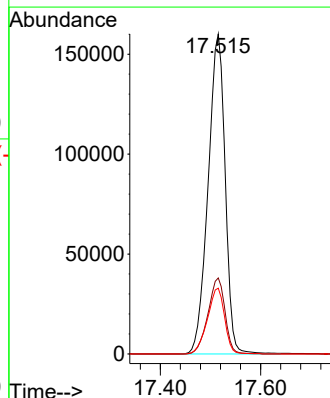
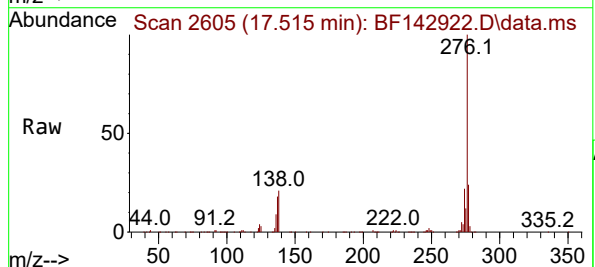
Tgt Ion:276 Resp: 378974

Ion Ratio Lower Upper

276 100

277 23.7 18.8 28.2

138 20.5 17.6 26.4





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

Manual Integration Report

Sequence:

BF061925

Instrument

BNA_f

Sample ID

File ID

Parameter

Review By

Review On

Supervised
By

Supervised On

Reason



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

Manual Integration Report

Sequence:

BF063025

Instrument

BNA_f

Sample ID	File ID	Parameter	Review By	Review On	Supervised By	Supervised On	Reason
Q2430-01MS	BF142921.D	Acenaphthene	Rahul	7/1/2025 10:17:12 AM	Jagrut	7/1/2025 11:00:17 AM	Peak Integrated by Software



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Manual Integration Report

Sequence:

bf070125

Instrument

BNA_f

Sample ID

File ID

Parameter

Review By

Review On

Supervised
By

Supervised On

Reason

Instrument ID: BNA_F

Daily Analysis Runlog For Sequence/QC Batch ID # BF061925

Review By	Rahul	Review On	6/23/2025 3:55:52 PM
Supervise By	Jagrut	Supervise On	6/24/2025 3:17:49 PM
SubDirectory	BF061925	HP Acquire Method	BNA_F
		HP Processing Method	bf061925
STD. NAME	STD REF.#		
Tune/Reschk	SP6757		
Initial Calibration Stds	SP6833,SP6834,SP6835,SP6836,SP6837,SP6838,SP6839,SP6840		
CCC	SP6836		
Internal Standard/PEM	S12670,10ul/1000ul sample		
ICV/I.BLK	SP6770		
Surrogate Standard			
MS/MSD Standard			
LCS Standard			

Sr#	SampleId	Data File Name	Date-Time	Operator	Status
1	DFTPP	BF142787.D	19 Jun 2025 16:37	RC/JU	Ok
2	SSTDICC2.5	BF142788.D	19 Jun 2025 17:07	RC/JU	Ok
3	SSTDICC005	BF142789.D	19 Jun 2025 17:38	RC/JU	Ok
4	SSTDICC010	BF142790.D	19 Jun 2025 18:08	RC/JU	Ok
5	SSTDICC020	BF142791.D	19 Jun 2025 18:39	RC/JU	Ok
6	SSTDICCC040	BF142792.D	19 Jun 2025 19:09	RC/JU	Ok
7	SSTDICC050	BF142793.D	19 Jun 2025 19:40	RC/JU	Ok
8	SSTDICC060	BF142794.D	19 Jun 2025 20:10	RC/JU	Ok
9	SSTDICC080	BF142795.D	19 Jun 2025 20:40	RC/JU	Ok
10	SSTDICV040	BF142796.D	19 Jun 2025 21:10	RC/JU	Ok
11	PB168536BL	BF142797.D	19 Jun 2025 22:10	RC/JU	Ok
12	PB168536BS	BF142798.D	19 Jun 2025 22:40	RC/JU	Ok,M

M : Manual Integration

Instrument ID: **BNA_F**

Daily Analysis Runlog For Sequence/QC Batch ID # BF063025

Review By	Rahul	Review On	7/1/2025 10:25:17 AM
Supervise By	Jagrut	Supervise On	7/1/2025 11:02:34 AM
SubDirectory	BF063025	HP Acquire Method	BNA_F
		HP Processing Method	bf061925
STD. NAME	STD REF.#		
Tune/Reschk	SP6757		
Initial Calibration Stds	SP6833,SP6834,SP6835,SP6836,SP6837,SP6838,SP6839,SP6840		
CCC	SP6836		
Internal Standard/PEM	S12672,10ul/1000ul sample		
ICV/I.BLK	SP6770		
Surrogate Standard			
MS/MSD Standard			
LCS Standard			

Sr#	SampleId	Data File Name	Date-Time	Operator	Status
1	DFTPP	BF142906.D	30 Jun 2025 09:14	RC/JU	Ok
2	SSTDCCC040	BF142907.D	30 Jun 2025 09:43	RC/JU	Ok
3	PB168560BL	BF142908.D	30 Jun 2025 10:13	RC/JU	Ok
4	PB168560BS	BF142909.D	30 Jun 2025 10:43	RC/JU	Ok,M
5	Q2429-04	BF142910.D	30 Jun 2025 11:17	RC/JU	ReRun
6	Q2430-04	BF142911.D	30 Jun 2025 11:46	RC/JU	ReRun
7	Q2430-01	BF142912.D	30 Jun 2025 12:17	RC/JU	ReRun
8	Q2430-01MS	BF142913.D	30 Jun 2025 12:47	RC/JU	Not Ok
9	Q2430-01MSD	BF142914.D	30 Jun 2025 13:17	RC/JU	Not Ok
10	DFTPP	BF142915.D	30 Jun 2025 15:05	RC/JU	Ok
11	SSTDCCC040	BF142916.D	30 Jun 2025 15:35	RC/JU	Ok
12	PB168626TB	BF142917.D	30 Jun 2025 16:06	RC/JU	Ok
13	Q2429-04	BF142918.D	30 Jun 2025 16:40	RC/JU	Ok
14	Q2430-04	BF142919.D	30 Jun 2025 17:11	RC/JU	Ok
15	Q2430-01	BF142920.D	30 Jun 2025 17:42	RC/JU	Ok
16	Q2430-01MS	BF142921.D	30 Jun 2025 18:13	RC/JU	Ok,M
17	Q2430-01MSD	BF142922.D	30 Jun 2025 18:43	RC/JU	Ok
18	Q2436-01	BF142923.D	30 Jun 2025 19:13	RC/JU	Ok
19	Q2436-04	BF142924.D	30 Jun 2025 19:44	RC/JU	Ok
20	Q2436-09	BF142925.D	30 Jun 2025 20:14	RC/JU	Ok
21	Q2442-01	BF142926.D	30 Jun 2025 20:45	RC/JU	Ok

Instrument ID: **BNA_F**

Daily Analysis Runlog For Sequence/QC Batch ID # BF063025

Review By	Rahul	Review On	7/1/2025 10:25:17 AM		
Supervise By	Jagrut	Supervise On	7/1/2025 11:02:34 AM		
SubDirectory	BF063025	HP Acquire Method	BNA_F	HP Processing Method	bf061925
STD. NAME		STD REF.#			
Tune/Reschk	SP6757				
Initial Calibration Stds	SP6833,SP6834,SP6835,SP6836,SP6837,SP6838,SP6839,SP6840				
CCC	SP6836				
Internal Standard/PEM	S12672,10ul/1000ul sample				
ICV/I.BLK	SP6770				
Surrogate Standard					
MS/MSD Standard					
LCS Standard					

22	Q2436-06	BF142927.D	30 Jun 2025 21:15	RC/JU	Ok
23	Q2436-07	BF142928.D	30 Jun 2025 21:45	RC/JU	Ok
24	Q2436-05	BF142929.D	30 Jun 2025 22:15	RC/JU	Ok
25	Q2436-08	BF142930.D	30 Jun 2025 22:45	RC/JU	Ok
26	Q2436-10	BF142931.D	30 Jun 2025 23:15	RC/JU	Ok
27	Q2436-02	BF142932.D	30 Jun 2025 23:45	RC/JU	Ok
28	Q2436-03	BF142933.D	01 Jul 2025 00:15	RC/JU	Ok
29	Q2452-05	BF142934.D	01 Jul 2025 00:45	RC/JU	Ok
30	Q2452-05MS	BF142935.D	01 Jul 2025 01:15	RC/JU	Ok
31	Q2452-05MSD	BF142936.D	01 Jul 2025 01:45	RC/JU	Ok,M
32	Q2445-01	BF142937.D	01 Jul 2025 02:14	RC/JU	Ok
33	Q2452-01	BF142938.D	01 Jul 2025 02:44	RC/JU	Ok
34	Q2457-01	BF142939.D	01 Jul 2025 03:14	RC/JU	Not Ok

M : Manual Integration

Instrument ID: **BNA_F**

Daily Analysis Runlog For Sequence/QCBatch ID # BF070125

Review By		Review On			
Supervise By		Supervise On			
SubDirectory	BF070125	HP Acquire Method	BNA_F	HP Processing Method	bf061925
STD. NAME	STD REF.#				
Tune/Reschk	SP6757				
Initial Calibration Stds	SP6833,SP6834,SP6835,SP6836,SP6837,SP6838,SP6839,SP6840				
CCC	SP6836				
Internal Standard/PEM	S12672,10ul/1000ul sample				
ICV/I.BLK	SP6770				
Surrogate Standard					
MS/MSD Standard					
LCS Standard					

Sr#	SampleId	Data File Name	Date-Time	Operator	Status
1	DFTPP	BF142940.D	01 Jul 2025 09:46	RC/JU	Ok
2	SSTDCCC040	BF142941.D	01 Jul 2025 10:47	RC/JU	Ok
3	PB168640BL	BF142942.D	01 Jul 2025 11:17	RC/JU	Ok
4	PB168640BS	BF142943.D	01 Jul 2025 11:48	RC/JU	Ok,NR
5	PB168640BSD	BF142944.D	01 Jul 2025 12:18	RC/JU	Ok,NR
6	PB168646BL	BF142945.D	01 Jul 2025 12:48	RC/JU	Ok
7	PB168646BS	BF142946.D	01 Jul 2025 13:19	RC/JU	Ok,NR
8	PB168649BL	BF142947.D	01 Jul 2025 13:49	RC/JU	Ok
9	PB168649BS	BF142948.D	01 Jul 2025 14:20	RC/JU	Ok,NR
10	PB168657BS	BF142949.D	01 Jul 2025 14:51	RC/JU	Ok,NR
11	PB168657BL	BF142950.D	01 Jul 2025 15:21	RC/JU	Ok
12	Q2447-01	BF142951.D	01 Jul 2025 15:56	RC/JU	Ok,NR
13	Q2449-01	BF142952.D	01 Jul 2025 16:27	RC/JU	Ok
14	Q2469-01	BF142953.D	01 Jul 2025 16:58	RC/JU	Ok,NR
15	Q2458-07	BF142954.D	01 Jul 2025 17:29	RC/JU	Ok
16	Q2458-06	BF142955.D	01 Jul 2025 18:00	RC/JU	Ok,NR
17	Q2457-01	BF142956.D	01 Jul 2025 18:31	RC/JU	Ok,NR
18	Q2447-04	BF142957.D	01 Jul 2025 19:02	RC/JU	Not Ok
19	Q2450-01	BF142958.D	01 Jul 2025 19:32	RC/JU	Dilution
20	Q2458-08	BF142959.D	01 Jul 2025 20:03	RC/JU	Ok,NR
21	Q2464-01	BF142960.D	01 Jul 2025 20:33	RC/JU	Ok,NR

Instrument ID: **BNA_F**

Daily Analysis Runlog For Sequence/QC Batch ID # BF070125

Review By		Review On			
Supervise By		Supervise On			
SubDirectory	BF070125	HP Acquire Method	BNA_F	HP Processing Method	bf061925
STD. NAME	STD REF.#				
Tune/Reschk	SP6757				
Initial Calibration Stds	SP6833,SP6834,SP6835,SP6836,SP6837,SP6838,SP6839,SP6840				
CCC	SP6836				
Internal Standard/PEM	S12672,10ul/1000ul sample				
ICV/I.BLK	SP6770				
Surrogate Standard					
MS/MSD Standard					
LCS Standard					

22	Q2458-02	BF142961.D	01 Jul 2025 21:04	RC/JU	Not Ok
23	Q2447-06	BF142962.D	01 Jul 2025 21:35	RC/JU	Ok

M : Manual Integration

Instrument ID: BNA_F

Daily Analysis Runlog For Sequence/QC Batch ID # BF061925

Review By	Rahul	Review On	6/23/2025 3:55:52 PM
Supervise By	Jagrut	Supervise On	6/24/2025 3:17:49 PM
SubDirectory	BF061925	HP Acquire Method	BNA_F
		HP Processing Method	bf061925

STD. NAME	STD REF.#
Tune/Reschk	SP6757
Initial Calibration Stds	SP6833,SP6834,SP6835,SP6836,SP6837,SP6838,SP6839,SP6840
CCC	SP6836
Internal Standard/PEM	S12670,10ul/1000ul sample
ICV/I.BLK	SP6770
Surrogate Standard	
MS/MSD Standard	
LCS Standard	

Sr#	SampleID	ClientID	Data File Name	Date-Time	Comment	Operator	Status
1	DFTPP	DFTPP	BF142787.D	19 Jun 2025 16:37		RC/JU	Ok
2	SSTDICC2.5	SSTDICC2.5	BF142788.D	19 Jun 2025 17:07		RC/JU	Ok
3	SSTDICC005	SSTDICC005	BF142789.D	19 Jun 2025 17:38		RC/JU	Ok
4	SSTDICC010	SSTDICC010	BF142790.D	19 Jun 2025 18:08		RC/JU	Ok
5	SSTDICC020	SSTDICC020	BF142791.D	19 Jun 2025 18:39		RC/JU	Ok
6	SSTDICCC040	SSTDICCC040	BF142792.D	19 Jun 2025 19:09		RC/JU	Ok
7	SSTDICC050	SSTDICC050	BF142793.D	19 Jun 2025 19:40		RC/JU	Ok
8	SSTDICC060	SSTDICC060	BF142794.D	19 Jun 2025 20:10		RC/JU	Ok
9	SSTDICC080	SSTDICC080	BF142795.D	19 Jun 2025 20:40	Compound #09 removed from 80 PPM.	RC/JU	Ok
10	SSTDICV040	ICVBF061925	BF142796.D	19 Jun 2025 21:10		RC/JU	Ok
11	PB168536BL	PB168536BL	BF142797.D	19 Jun 2025 22:10		RC/JU	Ok
12	PB168536BS	PB168536BS	BF142798.D	19 Jun 2025 22:40		RC/JU	Ok,M

M : Manual Integration

Instrument ID: BNA_F

Daily Analysis Runlog For Sequence/QC Batch ID # BF063025

Review By	Rahul	Review On	7/1/2025 10:25:17 AM
Supervise By	Jagrut	Supervise On	7/1/2025 11:02:34 AM
SubDirectory	BF063025	HP Acquire Method	BNA_F
		HP Processing Method	bf061925

STD. NAME	STD REF.#
Tune/Reschk	SP6757
Initial Calibration Stds	SP6833,SP6834,SP6835,SP6836,SP6837,SP6838,SP6839,SP6840
CCC	SP6836
Internal Standard/PEM	S12672,10ul/1000ul sample
ICV/I.BLK	SP6770
Surrogate Standard	
MS/MSD Standard	
LCS Standard	

Sr#	SampleId	ClientID	Data File Name	Date-Time	Comment	Operator	Status
1	DFTPP	DFTPP	BF142906.D	30 Jun 2025 09:14		RC/JU	Ok
2	SSTDCCC040	SSTDCCC040	BF142907.D	30 Jun 2025 09:43		RC/JU	Ok
3	PB168560BL	PB168560BL	BF142908.D	30 Jun 2025 10:13		RC/JU	Ok
4	PB168560BS	PB168560BS	BF142909.D	30 Jun 2025 10:43		RC/JU	Ok,M
5	Q2429-04	TP-4	BF142910.D	30 Jun 2025 11:17	Internal Standard Fail	RC/JU	ReRun
6	Q2430-04	MH-E/F	BF142911.D	30 Jun 2025 11:46	Internal Standard Fail	RC/JU	ReRun
7	Q2430-01	MH-E/F	BF142912.D	30 Jun 2025 12:17	Internal Standard Fail	RC/JU	ReRun
8	Q2430-01MS	MH-E/FMS	BF142913.D	30 Jun 2025 12:47	Internal Standard Fail	RC/JU	Not Ok
9	Q2430-01MSD	MH-E/FMSD	BF142914.D	30 Jun 2025 13:17	Internal Standard Fail	RC/JU	Not Ok
10	DFTPP	DFTPP	BF142915.D	30 Jun 2025 15:05		RC/JU	Ok
11	SSTDCCC040	SSTDCCC040	BF142916.D	30 Jun 2025 15:35		RC/JU	Ok
12	PB168626TB	PB168626TB	BF142917.D	30 Jun 2025 16:06		RC/JU	Ok
13	Q2429-04	TP-4	BF142918.D	30 Jun 2025 16:40		RC/JU	Ok
14	Q2430-04	MH-E/F	BF142919.D	30 Jun 2025 17:11		RC/JU	Ok
15	Q2430-01	MH-E/F	BF142920.D	30 Jun 2025 17:42		RC/JU	Ok
16	Q2430-01MS	MH-E/FMS	BF142921.D	30 Jun 2025 18:13		RC/JU	Ok,M
17	Q2430-01MSD	MH-E/FMSD	BF142922.D	30 Jun 2025 18:43		RC/JU	Ok
18	Q2436-01	TP-70	BF142923.D	30 Jun 2025 19:13		RC/JU	Ok

Instrument ID: BNA_F

Daily Analysis Runlog For Sequence/QC Batch ID # BF063025

Review By	Rahul	Review On	7/1/2025 10:25:17 AM		
Supervise By	Jagrut	Supervise On	7/1/2025 11:02:34 AM		
SubDirectory	BF063025	HP Acquire Method	BNA_F	HP Processing Method	bf061925
STD. NAME	STD REF.#				
Tune/Reschk	SP6757				
Initial Calibration Stds	SP6833,SP6834,SP6835,SP6836,SP6837,SP6838,SP6839,SP6840				
CCC	SP6836				
Internal Standard/PEM	S12672,10ul/1000ul sample				
ICV/I.BLK	SP6770				
Surrogate Standard					
MS/MSD Standard					
LCS Standard					

19	Q2436-04	TP-86	BF142924.D	30 Jun 2025 19:44		RC/JU	Ok
20	Q2436-09	TP-99	BF142925.D	30 Jun 2025 20:14		RC/JU	Ok
21	Q2442-01	500-3B	BF142926.D	30 Jun 2025 20:45		RC/JU	Ok
22	Q2436-06	TP-83	BF142927.D	30 Jun 2025 21:15		RC/JU	Ok
23	Q2436-07	TP-87	BF142928.D	30 Jun 2025 21:45		RC/JU	Ok
24	Q2436-05	TP-84	BF142929.D	30 Jun 2025 22:15		RC/JU	Ok
25	Q2436-08	TP-100	BF142930.D	30 Jun 2025 22:45		RC/JU	Ok
26	Q2436-10	TP-82	BF142931.D	30 Jun 2025 23:15		RC/JU	Ok
27	Q2436-02	TP-69	BF142932.D	30 Jun 2025 23:45		RC/JU	Ok
28	Q2436-03	TP-85	BF142933.D	01 Jul 2025 00:15		RC/JU	Ok
29	Q2452-05	EP-2	BF142934.D	01 Jul 2025 00:45		RC/JU	Ok
30	Q2452-05MS	EP-2MS	BF142935.D	01 Jul 2025 01:15		RC/JU	Ok
31	Q2452-05MSD	EP-2MSD	BF142936.D	01 Jul 2025 01:45		RC/JU	Ok,M
32	Q2445-01	CONCRETE-PAD-6-27	BF142937.D	01 Jul 2025 02:14	Internal standard fail	RC/JU	Ok
33	Q2452-01	TP-5	BF142938.D	01 Jul 2025 02:44		RC/JU	Ok
34	Q2457-01	OK-2-062725	BF142939.D	01 Jul 2025 03:14	tune out of time	RC/JU	Not Ok

M : Manual Integration

Instrument ID: BNA_F

Daily Analysis Runlog For Sequence/QC Batch ID # BF070125

Review By		Review On			
Supervise By		Supervise On			
SubDirectory	BF070125	HP Acquire Method	BNA_F	HP Processing Method	bf061925
STD. NAME	STD REF.#				
Tune/Reschk	SP6757				
Initial Calibration Stds	SP6833,SP6834,SP6835,SP6836,SP6837,SP6838,SP6839,SP6840				
CCC	SP6836				
Internal Standard/PEM	S12672,10ul/1000ul sample				
ICV/I.BLK	SP6770				
Surrogate Standard					
MS/MSD Standard					
LCS Standard					

Sr#	SampleID	ClientID	Data File Name	Date-Time	Comment	Operator	Status
1	DFTPP	DFTPP	BF142940.D	01 Jul 2025 09:46		RC/JU	Ok
2	SSTDCCC040	SSTDCCC040	BF142941.D	01 Jul 2025 10:47		RC/JU	Ok
3	PB168640BL	PB168640BL	BF142942.D	01 Jul 2025 11:17		RC/JU	Ok
4	PB168640BS	PB168640BS	BF142943.D	01 Jul 2025 11:48		RC/JU	Ok,NR
5	PB168640BSD	PB168640BSD	BF142944.D	01 Jul 2025 12:18		RC/JU	Ok,NR
6	PB168646BL	PB168646BL	BF142945.D	01 Jul 2025 12:48		RC/JU	Ok
7	PB168646BS	PB168646BS	BF142946.D	01 Jul 2025 13:19		RC/JU	Ok,NR
8	PB168649BL	PB168649BL	BF142947.D	01 Jul 2025 13:49		RC/JU	Ok
9	PB168649BS	PB168649BS	BF142948.D	01 Jul 2025 14:20		RC/JU	Ok,NR
10	PB168657BS	PB168657BS	BF142949.D	01 Jul 2025 14:51		RC/JU	Ok,NR
11	PB168657BL	PB168657BL	BF142950.D	01 Jul 2025 15:21		RC/JU	Ok
12	Q2447-01	COMP-1	BF142951.D	01 Jul 2025 15:56		RC/JU	Ok,NR
13	Q2449-01	RBR200032	BF142952.D	01 Jul 2025 16:27		RC/JU	Ok
14	Q2469-01	WC-1	BF142953.D	01 Jul 2025 16:58		RC/JU	Ok,NR
15	Q2458-07	TP-62	BF142954.D	01 Jul 2025 17:29		RC/JU	Ok
16	Q2458-06	TP-60	BF142955.D	01 Jul 2025 18:00		RC/JU	Ok,NR
17	Q2457-01	OK-2-062725	BF142956.D	01 Jul 2025 18:31		RC/JU	Ok,NR
18	Q2447-04	COMP-2	BF142957.D	01 Jul 2025 19:02	Need Straight Run	RC/JU	Not Ok

Instrument ID: BNA_F

Daily Analysis Runlog For Sequence/QC Batch ID # BF070125

Review By	Review On
Supervise By	Supervise On
SubDirectory	BF070125
HP Acquire Method	BNA_F
HP Processing Method	bf061925
STD. NAME	STD REF.#
Tune/Reschk	SP6757
Initial Calibration Stds	SP6833,SP6834,SP6835,SP6836,SP6837,SP6838,SP6839,SP6840
CCC	SP6836
Internal Standard/PEM	S12672,10ul/1000ul sample
ICV/I.BLK	SP6770
Surrogate Standard	
MS/MSD Standard	
LCS Standard	

19	Q2450-01	PL-2-062725	BF142958.D	01 Jul 2025 19:32	Need 2X Dilution	RC/JU	Dilution
20	Q2458-08	TP-63	BF142959.D	01 Jul 2025 20:03		RC/JU	Ok,NR
21	Q2464-01	OR-3-063025	BF142960.D	01 Jul 2025 20:33		RC/JU	Ok,NR
22	Q2458-02	TP-55	BF142961.D	01 Jul 2025 21:04	Need Straight Run	RC/JU	Not Ok
23	Q2447-06	LAW-25-0100	BF142962.D	01 Jul 2025 21:35		RC/JU	Ok

M : Manual Integration



PERCENT SOLID

Supervisor: Iwona
Analyst: jignesh
Date: 6/30/2025

OVENTEMP IN Celsius(°C): 107
Time IN: 17:15
In Date: 06/27/2025
Weight Check 1.0g: 1.00
Weight Check 10g: 10.00
OvenID: M OVEN#1

OVENTEMP OUT Celsius(°C): 104
Time OUT: 08:26
Out Date: 06/28/2025
Weight Check 1.0g: 1.00
Weight Check 10g: 10.00
BalanceID: M SC-4
Thermometer ID: % SOLID-OVEN

QC:LB136311

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
Q2436-01	TP-70	1	1.15	10.83	11.98	10.04	82.1	
Q2436-02	TP-69	2	1.16	10.29	11.45	9.6	82.0	
Q2436-03	TP-85	3	1.16	10.55	11.71	10.14	85.1	
Q2436-04	TP-86	4	1.18	9.94	11.12	10.00	88.7	
Q2436-05	TP-84	5	1.14	10.40	11.54	10.74	92.3	
Q2436-06	TP-83	6	1.18	10.14	11.32	10.37	90.6	
Q2436-07	TP-87	7	1.18	10.37	11.55	10.5	89.9	
Q2436-08	TP-100	8	1.17	10.27	11.44	9.96	85.6	
Q2436-09	TP-99	9	1.17	10.47	11.64	10.82	92.2	
Q2436-10	TP-82	10	1.12	10.65	11.77	10.92	92.0	
Q2437-05	SVOC-GPC-BLANK	11	1.00	1.00	2.00	2.00	100.0	
Q2437-06	PEST-GPC-BLANK	12	1.00	1.00	2.00	2.00	100.0	
Q2437-07	PEST-GPC-BLANK-SPIKE	13	1.00	1.00	2.00	2.00	100.0	
Q2437-08	PCB-GPC-BLANK	14	1.00	1.00	2.00	2.00	100.0	
Q2437-09	PCB-GPC-BLANK-SPIKE	15	1.00	1.00	2.00	2.00	100.0	
Q2437-10	SVOC-GPC2-BLANK	16	1.00	1.00	2.00	2.00	100.0	
Q2437-11	PEST-GPC2-BLANK	17	1.00	1.00	2.00	2.00	100.0	
Q2437-12	PEST-GPC2-BLANK-SPIKE	18	1.00	1.00	2.00	2.00	100.0	
Q2437-13	PCB-GPC2-BLANK	19	1.00	1.00	2.00	2.00	100.0	
Q2437-14	PCB-GCP2-BLANK-SPIKE	20	1.00	1.00	2.00	2.00	100.0	
Q2440-01	72-11986-1	21	1.00	1.00	2.00	2.00	100.0	WIPE SAMPLE
Q2440-02	72-11986-2	22	1.00	1.00	2.00	2.00	100.0	WIPE SAMPLE
Q2440-03	72-11931-1	23	1.00	1.00	2.00	2.00	100.0	WIPE SAMPLE
Q2440-04	72-11931-2	24	1.00	1.00	2.00	2.00	100.0	WIPE SAMPLE
Q2440-05	VNJ-227-1	25	1.00	1.00	2.00	2.00	100.0	WIPE SAMPLE
Q2440-06	VNJ-227-2	26	1.00	1.00	2.00	2.00	100.0	WIPE SAMPLE
Q2440-07	RT2917-1	27	1.00	1.00	2.00	2.00	100.0	WIPE SAMPLE
Q2440-08	RT2917-2	28	1.00	1.00	2.00	2.00	100.0	WIPE SAMPLE



PERCENT SOLID

Supervisor: Iwona
Analyst: jignesh
Date: 6/30/2025

OVENTEMP IN Celsius(°C): 107
Time IN: 17:15
In Date: 06/27/2025
Weight Check 1.0g: 1.00
Weight Check 10g: 10.00
OvenID: M OVEN#1

OVENTEMP OUT Celsius(°C): 104
Time OUT: 08:26
Out Date: 06/28/2025
Weight Check 1.0g: 1.00
Weight Check 10g: 10.00
BalanceID: M SC-4
Thermometer ID: % SOLID-OVEN

QC:LB136311

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
Q2442-01	500-3B	29	1.00	1.00	2.00	2.00	100.0	OILY STONE SAMPLE,100% SOLIDS
Q2442-02	500-3B-E2	30	1.00	1.00	2.00	2.00	100.0	OILY STONE SAMPLE,100% SOLIDS
Q2445-01	CONCRETE-PAD-6-27-25	37	1.00	1.00	2.00	2.00	100.0	CONCRETE-PAD-
Q2446-01	MR-BUR-LNG-19	38	1.00	1.00	2.00	2.00	100.0	oil sample
Q2446-03	MR-BUR-LNG-13	39	1.00	1.00	2.00	2.00	100.0	debris
Q2447-01	COMP-1	40	1.14	10.15	11.29	9.9	86.3	
Q2447-02	COMP-1	41	1.18	9.78	10.96	9.00	80.0	
Q2447-04	COMP-2	42	1.15	10.67	11.82	8.28	66.8	
Q2447-05	COMP-2	43	1.12	11.15	12.27	8.69	67.9	
Q2447-06	LAW-25-0100	44	1.11	10.66	11.77	10.75	90.4	
Q2447-07	LAW-25-0100	45	1.12	9.28	10.4	9.51	90.4	
Q2448-01	JEI041K-1-1	46	1.00	1.00	2.00	2.00	100.0	PILC
Q2448-02	JEI041K-1-2	47	1.00	1.00	2.00	2.00	100.0	PILC
Q2449-01	RBR200032	48	1.00	1.00	2.00	2.00	100.0	STONE SAMPLE, 100% SOLIDS
Q2449-02	RBR200032-E2	49	1.00	1.00	2.00	2.00	100.0	STONE SAMPLE, 100% SOLIDS
Q2450-01	PL-2-062725	50	1.18	10.26	11.44	10.65	92.3	
Q2450-02	PL-2-062725-E2	51	1.19	10.36	11.55	10.65	91.3	
Q2452-01	TP-5	31	1.13	10.61	11.74	10.83	91.4	
Q2452-02	TP-5-EPH	32	1.13	10.70	11.83	10.44	87.0	
Q2452-03	TP-5-VOC	33	1.18	10.59	11.77	10.84	91.2	
Q2452-05	EP-2	34	1.11	10.66	11.77	10.38	87.0	
Q2452-06	EP-2-EPH	35	1.18	10.01	11.19	10.36	91.7	
Q2452-07	EP-2-VOC	36	1.14	10.43	11.57	10.05	85.4	
Q2457-01	OK-02-062725	52	1.12	10.47	11.59	10.87	93.1	
Q2457-02	OK-02-062725-E2	53	1.19	10.28	11.47	10.75	93.0	

$$\% \text{ Solid} = \frac{(C-A) * 100}{(B-A)}$$

WORKLIST(Hardcopy Internal Chain)

136311

WorkList Name : %1-062725

WorkList ID : 190440

Department : Wet-Chemistry

Date : 06-27-2025 10:02:44

Sample	Customer Sample	Matrix	Test	Preservative	Customer	Raw Sample Storage Location	Collect Date	Method
Q2436-01	TP-70	Solid	Percent Solids	Cool 4 deg C	CAMP02	D51	06/25/2025	Chemtech -SO
Q2436-02	TP-69	Solid	Percent Solids	Cool 4 deg C	CAMP02	D51	06/25/2025	Chemtech -SO
Q2436-03	TP-85	Solid	Percent Solids	Cool 4 deg C	CAMP02	D51	06/25/2025	Chemtech -SO
Q2436-04	TP-86	Solid	Percent Solids	Cool 4 deg C	CAMP02	D51	06/25/2025	Chemtech -SO
Q2436-05	TP-84	Solid	Percent Solids	Cool 4 deg C	CAMP02	D51	06/25/2025	Chemtech -SO
Q2436-06	TP-83	Solid	Percent Solids	Cool 4 deg C	CAMP02	D51	06/25/2025	Chemtech -SO
Q2436-07	TP-87	Solid	Percent Solids	Cool 4 deg C	CAMP02	D51	06/25/2025	Chemtech -SO
Q2436-08	TP-100	Solid	Percent Solids	Cool 4 deg C	CAMP02	D51	06/26/2025	Chemtech -SO
Q2436-09	TP-99	Solid	Percent Solids	Cool 4 deg C	CAMP02	D51	06/26/2025	Chemtech -SO
Q2436-10	TP-82	Solid	Percent Solids	Cool 4 deg C	CAMP02	D51	06/26/2025	Chemtech -SO
Q2437-05	SVOC-GPC-BLANK	Solid	Percent Solids	Cool 4 deg C	CAMP02	D51	06/26/2025	Chemtech -SO
Q2437-06	PEST-GPC-BLANK	Solid	Percent Solids	Cool 4 deg C	CHEM02	D31	06/20/2025	Chemtech -SO
Q2437-07	PEST-GPC-BLANK-SPIKE	Solid	Percent Solids	Cool 4 deg C	CHEM02	D31	06/20/2025	Chemtech -SO
Q2437-08	PCB-GPC-BLANK	Solid	Percent Solids	Cool 4 deg C	CHEM02	D31	06/20/2025	Chemtech -SO
Q2437-09	PCB-GPC-BLANK-SPIKE	Solid	Percent Solids	Cool 4 deg C	CHEM02	D31	06/20/2025	Chemtech -SO
Q2437-10	SVOC-GPC2-BLANK	Solid	Percent Solids	Cool 4 deg C	CHEM02	D31	06/20/2025	Chemtech -SO
Q2437-11	PEST-GPC2-BLANK	Solid	Percent Solids	Cool 4 deg C	CHEM02	D31	06/20/2025	Chemtech -SO
Q2437-12	PEST-GPC2-BLANK-SPIKE	Solid	Percent Solids	Cool 4 deg C	CHEM02	D31	06/20/2025	Chemtech -SO
Q2437-13	PCB-GPC2-BLANK	Solid	Percent Solids	Cool 4 deg C	CHEM02	D31	06/20/2025	Chemtech -SO
Q2437-14	PCB-GPC2-BLANK-SPIKE	Solid	Percent Solids	Cool 4 deg C	CHEM02	D31	06/20/2025	Chemtech -SO
Q2440-01	72-11986-1	Solid	Percent Solids	Cool 4 deg C	PSEG03	D41	06/27/2025	Chemtech -SO

Date/Time 06/24/25 16:10

Raw Sample Received by: [Signature]

Raw Sample Relinquished by: [Signature]

Date/Time 06/24/25

Raw Sample Received by: [Signature]

Raw Sample Relinquished by: [Signature]

WORKLIST(Hardcopy Internal Chain)

136311

WorkList Name : %1-062725

WorkList ID : 190440

Department : Wet-Chemistry

Date : 06-27-2025 10:02:44

Sample	Customer Sample	Matrix	Test	Preservative	Customer	Raw Sample Storage Location	Collect Date	Method
Q2440-02	72-11986-2	Solid	Percent Solids	Cool 4 deg C	PSEG03	D41	06/27/2025	Chemtech -SO
Q2440-03	72-11931-1	Solid	Percent Solids	Cool 4 deg C	PSEG03	D41	06/27/2025	Chemtech -SO
Q2440-04	72-11931-2	Solid	Percent Solids	Cool 4 deg C	PSEG03	D41	06/27/2025	Chemtech -SO
Q2440-05	VNJ-227-1	Solid	Percent Solids	Cool 4 deg C	PSEG03	D41	06/27/2025	Chemtech -SO
Q2440-06	VNJ-227-2	Solid	Percent Solids	Cool 4 deg C	PSEG03	D41	06/27/2025	Chemtech -SO
Q2440-07	RT2917-1	Solid	Percent Solids	Cool 4 deg C	PSEG03	D41	06/27/2025	Chemtech -SO
Q2440-08	RT2917-2	Solid	Percent Solids	Cool 4 deg C	PSEG03	D41	06/27/2025	Chemtech -SO
Q2442-01	500-3B	Solid	Percent Solids	Cool 4 deg C	PSEG03	D41	06/27/2025	Chemtech -SO
Q2442-02	500-3B-E2	Solid	Percent Solids	Cool 4 deg C	PSEG03	D41	06/27/2025	Chemtech -SO
Q2445-01	CONCRETE-PAD-6-27-25	Solid	Percent Solids	Cool 4 deg C	PSEG03	D41	06/27/2025	Chemtech -SO
Q2446-01	MR-BU-LNG-19	Solid	Percent Solids	Cool 4 deg C	PSEG03	D51	06/27/2025	Chemtech -SO
Q2446-03	MR-BU-LNG-13	Solid	Percent Solids	Cool 4 deg C	PSEG03	D41	06/27/2025	Chemtech -SO
Q2447-01	COMP-1	Solid	Percent Solids	Cool 4 deg C	PSEG03	D41	06/27/2025	Chemtech -SO
Q2447-02	COMP-1	Solid	Percent Solids	Cool 4 deg C	PSEG03	D51	06/27/2025	Chemtech -SO
Q2447-04	COMP-2	Solid	Percent Solids	Cool 4 deg C	PSEG03	D51	06/27/2025	Chemtech -SO
Q2447-05	COMP-2	Solid	Percent Solids	Cool 4 deg C	PSEG03	D51	06/27/2025	Chemtech -SO
Q2447-06	LAW-25-0100	Solid	Percent Solids	Cool 4 deg C	PSEG03	D51	06/27/2025	Chemtech -SO
Q2447-07	LAW-25-0100	Solid	Percent Solids	Cool 4 deg C	PSEG03	D51	06/27/2025	Chemtech -SO
Q2448-01	JEI041K-1-1	Solid	Percent Solids	Cool 4 deg C	PSEG03	D51	06/27/2025	Chemtech -SO
Q2448-02	JEI041K-1-2	Solid	Percent Solids	Cool 4 deg C	PSEG03	D41	06/27/2025	Chemtech -SO
Q2449-01	RBR200032	Solid	Percent Solids	Cool 4 deg C	PSEG03	D41	06/27/2025	Chemtech -SO
Q2449-01		Solid	Percent Solids	Cool 4 deg C	PSEG03	D51	06/27/2025	Chemtech -SO

Date/Time 06/27/25 16:10
 Raw Sample Received by: SP WBC
 Raw Sample Relinquished by: SP WBC

Date/Time 06/27/25 17:30
 Raw Sample Received by: CP S22
 Raw Sample Relinquished by: SP WBC

WORKLIST(Hardcopy Internal Chain)

136311

WorkList Name : %1-062725

WorkList ID : 190440

Department : Wet-Chemistry

Date : 06-27-2025 10:02:44

Sample	Customer Sample	Matrix	Test	Preservative	Customer	Raw Sample Storage Location	Collect Date	Method
Q2449-02	RBR200032-E2	Solid	Percent Solids	Cool 4 deg C	PSEG03	D51	06/27/2025	Chemtech -SO
Q2450-01	PL-02-062725	Solid	Percent Solids	Cool 4 deg C	PSEG05	D11	06/27/2025	Chemtech -SO
Q2450-02	PL-02-062725-E2	Solid	Percent Solids	Cool 4 deg C	PSEG05	D11	06/27/2025	Chemtech -SO
Q2452-01	TP-5	Solid	Percent Solids	Cool 4 deg C	PSEG03	A22	06/27/2025	Chemtech -SO
Q2452-02	TP-5-EPH	Solid	Percent Solids	Cool 4 deg C	PSEG03	A22	06/27/2025	Chemtech -SO
Q2452-03	TP-5-VOC	Solid	Percent Solids	Cool 4 deg C	PSEG03	A22	06/27/2025	Chemtech -SO
Q2452-05	EP-2	Solid	Percent Solids	Cool 4 deg C	PSEG03	A22	06/27/2025	Chemtech -SO
Q2452-06	EP-2-EPH	Solid	Percent Solids	Cool 4 deg C	PSEG03	A22	06/27/2025	Chemtech -SO
Q2452-07	EP-2-VOC	Solid	Percent Solids	Cool 4 deg C	PSEG03	A22	06/27/2025	Chemtech -SO
Q2457-01	OK-02-062725	Solid	Percent Solids	Cool 4 deg C	PSEG05	D41	06/27/2025	Chemtech -SO
Q2457-02	OK-02-062725-E2	Solid	Percent Solids	Cool 4 deg C	PSEG05	D41	06/27/2025	Chemtech -SO

Date/Time 06/27/25 16:10

Raw Sample Received by: [Signature]

Raw Sample Relinquished by: [Signature]

Date/Time 06/27/25 17:30

Raw Sample Received by: [Signature]

Raw Sample Relinquished by: [Signature]

SOP ID:	M3541-ASE Extraction-14		
Clean Up SOP #:	N/A	Extraction Start Date :	06/27/2025
Matrix :	Solid	Extraction Start Time :	11:20
Weigh By:	EH	Extraction By:	RJ
Balance check:	RJ	Filter By:	RJ
Balance ID:	EX-SC-2	pH Meter ID:	N/A
pH Strip Lot#:	N/A	Hood ID:	3,7
Extraction Method:	☐ Separatory Funnel ☐ Continuous Liquid/Liquid ☐ Sonication ☐ Waste Dilution ☒ Soxhlet		
Extraction End Date :	06/27/2025		
Extraction End Time :	14:25		
Concentration By:	EH		
Supervisor By :	RUPESH		

Standard Name	MLS USED	Concentration ug/mL	STD REF. # FROM LOG
Spike Sol 1	1.0ML	50/100 PPM	SP6794
Surrogate	1.0ML	100/150 PPM	SP6754
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	EP2612
Baked Na2SO4	N/A	EP2624
Sand	N/A	E2865
Methylene Chloride	N/A	E3943
N/A	N/A	N/A
N/A	N/A	N/A
N/A	N/A	N/A
N/A	N/A	N/A
N/A	N/A	N/A
N/A	N/A	N/A
N/A	N/A	N/A
N/A	N/A	N/A
N/A	N/A	N/A
N/A	N/A	N/A
N/A	N/A	N/A

Extraction Conformance/Non-Conformance Comments:

1.5ML Vail Lot # 2210443.

KD Bath ID:	N/A	Envap ID:	NEVAP-02
KD Bath Temperature:	N/A	Envap Temperature:	40 °C

Date / Time	Prepped Sample Relinquished By/Location	Received By/Location
6/27/25	RS (Esc4 Lab)	RC/surc
14:30	Preparation Group	Analysis Group

Analytical Method: M3541-ASE Extraction-14

Concentration Date: 06/27/2025

Sample ID	Client Sample ID	Test	g/mL	PH	Surr/Spike By:		Final Vol. (mL)	JarID	Comments	Prep Pos
					AddedBy	VerifiedBy				
PB168649BL	SBLK649	SVOC-TCL BNA -20	30.03	N/A	ritesh	Evelyn	1			U2-1
PB168649BS	SLCS649	SVOC-TCL BNA -20	30.01	N/A	ritesh	Evelyn	1			2
Q2429-01	TP-4	SVOC-TCL BNA -20	50.08	N/A	ritesh	Evelyn	1	E		3
Q2430-01	MH-E/F	SVOC-TCL BNA -20	50.04	N/A	ritesh	Evelyn	1	E		4
Q2430-01MS	MH-E/FMS	SVOC-TCL BNA -20	50.07	N/A	ritesh	Evelyn	1	E		5
Q2430-01MS D	MH-E/FMSD	SVOC-TCL BNA -20	50.09	N/A	ritesh	Evelyn	1	E		6
Q2436-01	TP-70	SVOC-TCL BNA -20	30.08	N/A	ritesh	Evelyn	1	E		U3-1
Q2436-02	TP-69	SVOC-TCL BNA -20	30.02	N/A	ritesh	Evelyn	1	E		2
Q2436-03	TP-85	SVOC-TCL BNA -20	30.04	N/A	ritesh	Evelyn	1	E		3
Q2436-04	TP-86	SVOC-TCL BNA -20	30.07	N/A	ritesh	Evelyn	1	E		4
Q2436-05	TP-84	SVOC-TCL BNA -20	30.03	N/A	ritesh	Evelyn	1	E		5
Q2436-06	TP-83	SVOC-TCL BNA -20	30.06	N/A	ritesh	Evelyn	1	E		6
Q2436-07	TP-87	SVOC-TCL BNA -20	30.08	N/A	ritesh	Evelyn	1	E		U6-1
Q2436-08	TP-100	SVOC-TCL BNA -20	30.05	N/A	ritesh	Evelyn	1	E		2
Q2436-09	TP-99	SVOC-TCL BNA -20	30.02	N/A	ritesh	Evelyn	1	E		3
Q2436-10	TP-82	SVOC-TCL BNA -20	30.09	N/A	ritesh	Evelyn	1	E		4

168675
11-26

WORKLIST(Hardcopy Internal Chain)

WorkList Name : Q24305N

WorkList ID : 190444

Department : Extraction

Date : 06-27-2025 11:14:19

Sample	Customer Sample	Matrix	Test	Preservative	Customer	Raw Sample Storage Location	Collect Date	Method
Q2429-01	TP-4	Solid	SVOC-TCL BNA -20	Cool 4 deg C	PSEG03	A53	06/26/2025	8270E
Q2430-01	MH-E/F	Solid	SVOC-TCL BNA -20	Cool 4 deg C	PSEG03	A53	06/26/2025	8270E
Q2436-01	TP-70	Solid	SVOC-TCL BNA -20	Cool 4 deg C	CAMP02	D51	06/25/2025	8270E
Q2436-02	TP-69	Solid	SVOC-TCL BNA -20	Cool 4 deg C	CAMP02	D51	06/25/2025	8270E
Q2436-03	TP-85	Solid	SVOC-TCL BNA -20	Cool 4 deg C	CAMP02	D51	06/25/2025	8270E
Q2436-04	TP-86	Solid	SVOC-TCL BNA -20	Cool 4 deg C	CAMP02	D51	06/25/2025	8270E
Q2436-05	TP-84	Solid	SVOC-TCL BNA -20	Cool 4 deg C	CAMP02	D51	06/25/2025	8270E
Q2436-06	TP-83	Solid	SVOC-TCL BNA -20	Cool 4 deg C	CAMP02	D51	06/25/2025	8270E
Q2436-07	TP-87	Solid	SVOC-TCL BNA -20	Cool 4 deg C	CAMP02	D51	06/26/2025	8270E
Q2436-08	TP-100	Solid	SVOC-TCL BNA -20	Cool 4 deg C	CAMP02	D51	06/26/2025	8270E
Q2436-09	TP-99	Solid	SVOC-TCL BNA -20	Cool 4 deg C	CAMP02	D51	06/26/2025	8270E
Q2436-10	TP-82	Solid	SVOC-TCL BNA -20	Cool 4 deg C	CAMP02	D51	06/26/2025	8270E

Date/Time

6/27/25 11:15

Raw Sample Received by:

RJ (EXT 646)

Raw Sample Relinquished by:

AS

Date/Time

6/27/25 11:40

Raw Sample Received by:

AP SM

Raw Sample Relinquished by:

RJ (EXT 646)



SHIPPING DOCUMENTS

CLIENT INFORMATION

REPORT TO BE SENT TO:

COMPANY: CDM SMITH
ADDRESS: 110 FIELDCREST AVE #8 6TH FLOOR
CITY: EDISON STATE: NJ ZIP: 08837
ATTENTION: MARCIE ENCINAS
PHONE: 7325904679 FAX:

CLIENT PROJECT INFORMATION

PROJECT NAME: SOUTH RIVER WM REPLACEMENT
PROJECT NO.: 302781 LOCATION: SOUTH RIVER, NJ
PROJECT MANAGER: MARCIE ENCINAS
e-mail: ENCINAS.MA@CDMSMITH.COM
PHONE: 7325904679 FAX:

CLIENT BILLING INFORMATION

BILL TO: CDM SMITH PO#:
ADDRESS: 110 FIELDCREST AVE #8 6TH FLOOR
CITY: EDISON STATE: NJ ZIP: 08837
ATTENTION: MARCIE ENCINAS PHONE: 7325904679

ANALYSIS

DATA TURNAROUND INFORMATION

FAX (RUSH) _____ DAYS*
HARDCOPY (DATA PACKAGE): _____ DAYS*
EDD: _____ DAYS*
*TO BE APPROVED BY CHEMTECH
STANDARD HARDCOPY TURNAROUND TIME IS 10 BUSINESS

DATA DELIVERABLE INFORMATION

☐ Level 1 (Results Only) ☐ Level 4 (QC + Full Raw Data)
☒ Level 2 (Results + QC) ☐ NJ Reduced ☐ US EPA CLP
☐ Level 3 (Results + QC) ☐ NYS ASP A ☐ NYS ASP B
+ Raw Data) ☐ Other _____
☐ EDD FORMAT _____

1. TCL VOC 2. TCL SVOC 3. TAL METALS 4. PESTICIDES 5. HERBICIDES 6. DRUGS 7. PCRS 8. 9.

PRESERVATIVES

COMMENTS

ALLIANCE SAMPLE ID	PROJECT SAMPLE IDENTIFICATION	SAMPLE MATRIX	SAMPLE TYPE		SAMPLE COLLECTION		# OF BOTTLES										← Specify Preservatives A-HCl D-NaOH B-HNO3 E-ICE C-H2SO4 F-OTHER
			COMP	GRAB	DATE	TIME		1	2	3	4	5	6	7	8	9	
1.	TP-70	S		X	6/25/25	0800	6	X	X	X	X	X	X	X			E
2.	TP-69	S		X	6/25/25	0840	6	X	X	X	X	X	X	X			E
3.	TP-85	S		X	6/25/25	0938	6	X	X	X	X	X	X	X			E
4.	TP-86	S		X	6/25/25	1020	6	X	X	X	X	X	X	X			E
5.	TP-84	S		X	6/25/25	1100	6	X	X	X	X	X	X	X			E
6.	TP-83	S		X	6/25/25	1135	6	X	X	X	X	X	X	X			E
7.	TP-87	S		X	6/26/25	0800	6	X	X	X	X	X	X	X			E
8.	TP-100	S		X	6/26/25	0845	6	X	X	X	X	X	X	X			E
9.	TP-99	S		X	6/26/25	0930	6	X	X	X	X	X	X	X			E
10.	TP-82	S		X	6/26/25	1020	6	X	X	X	X	X	X	X			E

SAMPLE CUSTODY MUST BE DOCUMENTED BELOW EACH TIME SAMPLES CHANGE POSSESSION INCLUDING COURIER DELIVERY

RELINQUISHED BY SAMPLER:	DATE/TIME:	RECEIVED BY:	Conditions of bottles or coolers at receipt: ☐ COMPLIANT ☐ NON COMPLIANT ☐ COOLER TEMP _____ °C
1. [Signature]	6/26/25 1500	1. [Signature]	Comments:
RELINQUISHED BY SAMPLER:	DATE/TIME:	RECEIVED BY:	
2.		2.	
RELINQUISHED BY SAMPLER:	DATE/TIME:	RECEIVED BY:	
3. [Signature]	6-26-25 1630	3.	

Page _____ of _____

CLIENT: ☐ Hand Delivered ☐ Other

Shipment Complete
☐ YES ☐ NO

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 : Q2336	PSEG03	Order Date : 6/16/2025 12:39:35 PM	Project Mgr :
Client Name : PSEG		Project Name : Row Watchung Bridge Repl	Report Type : Results Only <i>Level-2</i>
Client Contact : Andrew Goddard		Receive DateTime : 6/16/2025 12:10:00 PM	EDD Type : EXCEL NJCLEANUP
Invoice Name : PSEG		Purchase Order :	Hard Copy Date :
Invoice Contact : Andrew Goddard			Date Signoff :

LAB ID	CLIENT ID	MATRIX	SAMPLE DATE	SAMPLE TIME	TEST	TEST GROUP	METHOD	FAX DATE	DUE DATES
Q2336-01	WBR-1	Solid	06/16/2025	08:30	VOC-TCLVOA-10	Bayshore	8260D	3 Bus. Days	
Q2336-03	WBR-2	Solid	06/16/2025	09:03	VOC-TCLVOA-10	Bayshore	8260D	3 Bus. Days	

Relinquished By : *[Signature]*

Date / Time : *06/16/25 1250*

Received By : *[Signature]*

Date / Time : *06/16/25*

Storage Area : VOA Refridgerator Room

*12:50 Rgt H 6
F22*