

Cover Page

Order ID : Q2393

Project ID : 190 Park Ave Hanover Twp NJ - PO 2556-001

Client : Union Paving & Construction Company

Lab Sample Number

Q2393-01
Q2393-02
Q2393-03
Q2393-04
Q2393-05
Q2393-06
Q2393-07
Q2393-08
Q2393-09
Q2393-10
Q2393-11
Q2393-12

Client Sample Number

PARK AVE -1
PARK AVE -1
PARK AVE -2
PARK AVE -2
PARK AVE -3
PARK AVE -3
PARK AVE -4
PARK AVE -4
PARK AVE -5
PARK AVE -5
PARK AVE -6
PARK AVE -6

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: 6/27/2025

NYDOH CERTIFICATION NO - 11376

NJDEP CERTIFICATION NO - 20012

DATA REPORTING QUALIFIERS- ORGANIC

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

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

APPENDIX A

QA REVIEW GENERAL DOCUMENTATION

Project #: Q2393

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 Castody

✓

Were the samples received within hold time

✓

Were any problems found with the samples at arrival recorded in the Sample Management Laboratory Chronicle

✓

ANALYTICAL:

Was method requirement followed?

✓

Was client requirement followed?

✓

Does the case narrative summarize all QC failure?

✓

All runlogs and manual integration are reviewed for requirements

✓

All manual calculations and /or hand notations verified

✓

QA Review Signature: KETAN PATEL

Date: 06/27/2025

LAB CHRONICLE

OrderID: Q2393	OrderDate: 6/23/2025 11:43:58 AM
Client: Union Paving & Construction Company	Project: 190 Park Ave Hanover Twp NJ - PO 2556-001
Contact: Gerard Busacco	Location: A22,VOA Lab

LabID	ClientID	Matrix	Test	Method	Sample Date	Prep Date	Anal Date	Received
Q2393-01	PARK AVE -1	SOIL	SVOC-TCL BNA -20	8270E	06/23/25	06/24/25	06/25/25	06/23/25
Q2393-03	PARK AVE -2	SOIL	SVOC-TCL BNA -20	8270E	06/23/25	06/24/25	06/25/25	06/23/25
Q2393-05	PARK AVE -3	SOIL	SVOC-TCL BNA -20	8270E	06/23/25	06/24/25	06/24/25	06/23/25
Q2393-07	PARK AVE -4	SOIL	SVOC-TCL BNA -20	8270E	06/23/25	06/24/25	06/24/25	06/23/25
Q2393-09	PARK AVE -5	SOIL	SVOC-TCL BNA -20	8270E	06/23/25	06/24/25	06/24/25	06/23/25
Q2393-11	PARK AVE -6	SOIL	SVOC-TCL BNA -20	8270E	06/23/25	06/24/25	06/24/25	06/23/25

Hit Summary Sheet SW-846

SDG No.: Q2393
Client: Union Paving & Construction Company

Sample ID	Client ID	Matrix	Parameter	Concentration	C	MDL	RDL	Units
Client ID : PARK AVE -1								
Q2393-01	PARK AVE -1	SOIL	2-Pentanone, 4-hydroxy-4-methyl *	260.000	AB	0	0	ug/Kg
Q2393-01	PARK AVE -1	SOIL	Benzophenone *	200.000	J	0	0	ug/Kg
Q2393-01	PARK AVE -1	SOIL	Eicosane *	170.000	J	0	0	ug/Kg
Q2393-01	PARK AVE -1	SOIL	Heneicosane *	140.000	J	0	0	ug/Kg
Q2393-01	PARK AVE -1	SOIL	Hentriacontane *	130.000	J	0	0	ug/Kg
Q2393-01	PARK AVE -1	SOIL	Hexacosane *	100.000	J	0	0	ug/Kg
Q2393-01	PARK AVE -1	SOIL	n-Hexadecanoic acid *	860.000	J	0	0	ug/Kg
Q2393-01	PARK AVE -1	SOIL	Octacosane *	170.000	J	0	0	ug/Kg
Q2393-01	PARK AVE -1	SOIL	Octadecanoic acid *	340.000	J	0	0	ug/Kg
Q2393-01	PARK AVE -1	SOIL	Pentafluoropropionic acid, pentad *	190.000	J	0	0	ug/Kg
Q2393-01	PARK AVE -1	SOIL	Triacontane *	150.000	J	0	0	ug/Kg
Total Tics :				2,710.00				
Total Concentration:				2,710.00				
Client ID : PARK AVE -2								
Q2393-03	PARK AVE -2	SOIL	2-Pentanone, 4-hydroxy-4-methyl *	270.000	AB	0	0	ug/Kg
Q2393-03	PARK AVE -2	SOIL	Benzophenone *	170.000	J	0	0	ug/Kg
Q2393-03	PARK AVE -2	SOIL	Heptadecyl heptafluorobutyrate *	170.000	J	0	0	ug/Kg
Q2393-03	PARK AVE -2	SOIL	n-Hexadecanoic acid *	340.000	J	0	0	ug/Kg
Total Tics :				950.00				
Total Concentration:				950.00				
Client ID : PARK AVE -3								
Q2393-05	PARK AVE -3	SOIL	Fluoranthene	150.000	J	34.6	200	ug/Kg
Q2393-05	PARK AVE -3	SOIL	Pyrene	86.600	J	41.5	200	ug/Kg
Q2393-05	PARK AVE -3	SOIL	Benzo(b)fluoranthene	88.800	J	21.9	200	ug/Kg
Total Svoc :				325.40				
Q2393-05	PARK AVE -3	SOIL	1-Octadecene *	180.000	J	0	0	ug/Kg
Q2393-05	PARK AVE -3	SOIL	2-Pentanone, 4-hydroxy-4-methyl *	210.000	AB	0	0	ug/Kg
Q2393-05	PARK AVE -3	SOIL	n-Hexadecanoic acid *	220.000	J	0	0	ug/Kg
Q2393-05	PARK AVE -3	SOIL	Benzophenone *	160.000	J	0	0	ug/Kg
Total Tics :				770.00				
Total Concentration:				1,095.40				
Client ID : PARK AVE -4								
Q2393-07	PARK AVE -4	SOIL	Phenanthrene	430.000		23.8	190	ug/Kg
Q2393-07	PARK AVE -4	SOIL	Anthracene	85.800	J	37.9	190	ug/Kg
Q2393-07	PARK AVE -4	SOIL	Fluoranthene	550.000		34.1	190	ug/Kg
Q2393-07	PARK AVE -4	SOIL	Pyrene	330.000		40.9	190	ug/Kg

Hit Summary Sheet SW-846

SDG No.: Q2393

Client: Union Paving & Construction Company

Sample ID	Client ID	Matrix	Parameter	Concentration	C	MDL	RDL	Units
Q2393-07	PARK AVE -4	SOIL	Benzo(a)anthracene	230.000		26.2	190	ug/Kg
Q2393-07	PARK AVE -4	SOIL	Chrysene	200.000		22.6	190	ug/Kg
Q2393-07	PARK AVE -4	SOIL	Benzo(b)fluoranthene	290.000		21.6	190	ug/Kg
Q2393-07	PARK AVE -4	SOIL	Benzo(k)fluoranthene	110.000	J	25.5	190	ug/Kg
Q2393-07	PARK AVE -4	SOIL	Benzo(a)pyrene	220.000		33.5	190	ug/Kg
Q2393-07	PARK AVE -4	SOIL	Indeno(1,2,3-cd)pyrene	93.500	J	33.1	190	ug/Kg
Q2393-07	PARK AVE -4	SOIL	Benzo(g,h,i)perylene	110.000	J	29.2	190	ug/Kg
Total Svoc :				2,649.30				
Q2393-07	PARK AVE -4	SOIL	2-Pentanone, 4-hydroxy-4-methyl *	250.000	AB	0	0	ug/Kg
Q2393-07	PARK AVE -4	SOIL	4H-Cyclopenta[def]phenanthrene *	230.000	J	0	0	ug/Kg
Q2393-07	PARK AVE -4	SOIL	5-Eicosene, (E)- *	170.000	J	0	0	ug/Kg
Q2393-07	PARK AVE -4	SOIL	Benzophenone *	160.000	J	0	0	ug/Kg
Q2393-07	PARK AVE -4	SOIL	Phenanthrene, 2,5-dimethyl- *	110.000	J	0	0	ug/Kg
Q2393-07	PARK AVE -4	SOIL	Phenanthrene, 2-methyl- *	390.000	J	0	0	ug/Kg
Q2393-07	PARK AVE -4	SOIL	Pyrene, 1-methyl- *	78.500	J	0	0	ug/Kg
Total Tics :				1,388.50				
Total Concentration:				4,037.80				
Client ID : PARK AVE -5								
Q2393-09	PARK AVE -5	SOIL	Fluoranthene	160.000	J	32.8	190	ug/Kg
Q2393-09	PARK AVE -5	SOIL	Pyrene	110.000	J	39.4	190	ug/Kg
Q2393-09	PARK AVE -5	SOIL	Benzo(b)fluoranthene	92.100	J	20.8	190	ug/Kg
Total Svoc :				362.10				
Q2393-09	PARK AVE -5	SOIL	2-Pentanone, 4-hydroxy-4-methyl *	210.000	AB	0	0	ug/Kg
Q2393-09	PARK AVE -5	SOIL	Benzophenone *	160.000	J	0	0	ug/Kg
Q2393-09	PARK AVE -5	SOIL	n-Hexadecanoic acid *	240.000	J	0	0	ug/Kg
Q2393-09	PARK AVE -5	SOIL	Pentadecafluorooctanoic acid, hep *	220.000	J	0	0	ug/Kg
Total Tics :				830.00				
Total Concentration:				1,192.10				
Client ID : PARK AVE -6								
Q2393-11	PARK AVE -6	SOIL	2-Pentanone, 4-hydroxy-4-methyl *	190.000	AB	0	0	ug/Kg
Q2393-11	PARK AVE -6	SOIL	Benzophenone *	140.000	J	0	0	ug/Kg
Q2393-11	PARK AVE -6	SOIL	n-Hexadecanoic acid *	130.000	J	0	0	ug/Kg
Q2393-11	PARK AVE -6	SOIL	Pentafluoropropionic acid, heptad *	180.000	J	0	0	ug/Kg
Total Tics :				640.00				
Total Concentration:				640.00				



QC SUMMARY

Surrogate Summary

SW-846

SDG No.: Q2393

Client: Union Paving & Construction Company

Analytical Method: 8270E

Lab Sample ID	Client ID	Parameter	Spike (PPM)	Result (PPM)	Recovery (%)	Qual	Limits (%)	
							Low	High
PB168601BL	PB168601BL	2-Fluorophenol	150	125	83		18	112
		Phenol-d6	150	122	81		15	107
		Nitrobenzene-d5	100	79.3	79		18	107
		2-Fluorobiphenyl	100	78.1	78		20	109
		2,4,6-Tribromophenol	150	129	86		10	116
		Terphenyl-d14	100	72.4	72		10	105
PB168601BS	PB168601BS	2-Fluorophenol	150	118	79		18	112
		Phenol-d6	150	114	76		15	107
		Nitrobenzene-d5	100	77.1	77		18	107
		2-Fluorobiphenyl	100	78.8	79		20	109
		2,4,6-Tribromophenol	150	118	79		10	116
		Terphenyl-d14	100	62.0	62		10	105
Q2393-01	PARK AVE -1	2-Fluorophenol	150	78.3	52		18	112
		Phenol-d6	150	84.3	56		15	107
		Nitrobenzene-d5	100	48.6	49		18	107
		2-Fluorobiphenyl	100	46.6	47		20	109
		2,4,6-Tribromophenol	150	73.9	49		10	116
		Terphenyl-d14	100	34.2	34		10	105
Q2393-03	PARK AVE -2	2-Fluorophenol	150	78.7	52		18	112
		Phenol-d6	150	86.0	57		15	107
		Nitrobenzene-d5	100	47.4	47		18	107
		2-Fluorobiphenyl	100	42.7	43		20	109
		2,4,6-Tribromophenol	150	73.5	49		10	116
		Terphenyl-d14	100	32.6	33		10	105
Q2393-05	PARK AVE -3	2-Fluorophenol	150	66.2	44		18	112
		Phenol-d6	150	69.5	46		15	107
		Nitrobenzene-d5	100	36.7	37		18	107
		2-Fluorobiphenyl	100	37.2	37		20	109
		2,4,6-Tribromophenol	150	82.8	55		10	116
		Terphenyl-d14	100	36.4	36		10	105
Q2393-07	PARK AVE -4	2-Fluorophenol	150	73.5	49		18	112
		Phenol-d6	150	73.2	49		15	107
		Nitrobenzene-d5	100	47.4	47		18	107
		2-Fluorobiphenyl	100	46.4	46		20	109
		2,4,6-Tribromophenol	150	82.5	55		10	116
		Terphenyl-d14	100	38.2	38		10	105
Q2393-09	PARK AVE -5	2-Fluorophenol	150	69.4	46		18	112
		Phenol-d6	150	71.0	47		15	107
		Nitrobenzene-d5	100	43.0	43		18	107
		2-Fluorobiphenyl	100	43.1	43		20	109
		2,4,6-Tribromophenol	150	85.8	57		10	116
		Terphenyl-d14	100	41.5	41		10	105
Q2393-11	PARK AVE -6	2-Fluorophenol	150	67.1	45		18	112
		Phenol-d6	150	67.8	45		15	107
		Nitrobenzene-d5	100	41.6	42		18	107
		2-Fluorobiphenyl	100	35.5	35		20	109
		2,4,6-Tribromophenol	150	71.0	47		10	116
		Terphenyl-d14	100	30.0	30		10	105
Q2394-01MS	MH-K/LMS	2-Fluorophenol	150	94.0	63		18	112
		Phenol-d6	150	95.7	64		15	107
		Nitrobenzene-d5	100	60.3	60		18	107

Surrogate Summary

SW-846

SDG No.: Q2393

Client: Union Paving & Construction Company

Analytical Method: 8270E

Lab Sample ID	Client ID	Parameter	Spike (PPM)	Result (PPM)	Recovery (%)	Qual	Limits (%)	
							Low	High
Q2394-01MS	MH-K/LMS	2-Fluorobiphenyl	100	58.9	59		20	109
		2,4,6-Tribromophenol	150	88.4	59		10	116
		Terphenyl-d14	100	38.6	39		10	105
Q2394-01MSD	MH-K/LMSD	2-Fluorophenol	150	97.9	65		18	112
		Phenol-d6	150	101	67		15	107
		Nitrobenzene-d5	100	63.6	64		18	107
		2-Fluorobiphenyl	100	63.1	63		20	109
		2,4,6-Tribromophenol	150	91.8	61		10	116
		Terphenyl-d14	100	39.9	40		10	105

Matrix Spike/Matrix Spike Duplicate Summary

SW-846

SDG No.: Q2393

Client: Union Paving & Construction Company

Analytical Method: SW8270E

Parameter	Spike	Sample Result	Result	Units	Rec	Rec Qual	RPD	RPD Qual	Low	Limits High	RPD
Lab Sample ID:	Q2394-01MS	Client Sample ID:	MH-K/LMS					DataFile:	BF142843.D		
Benzaldehyde	1200	0	850	ug/Kg	71				10	171	
Phenol	1200	0	910	ug/Kg	76				51	122	
bis(2-Chloroethyl)ether	1200	0	930	ug/Kg	78				54	125	
2-Chlorophenol	1200	0	940	ug/Kg	78				51	121	
2-Methylphenol	1200	0	930	ug/Kg	78				47	125	
2,2-oxybis(1-Chloropropane)	1200	0	900	ug/Kg	75				46	119	
Acetophenone	1200	0	950	ug/Kg	79				55	128	
3+4-Methylphenols	1200	0	940	ug/Kg	78				49	125	
N-Nitroso-di-n-propylamine	1200	0	950	ug/Kg	79				59	119	
Hexachloroethane	1200	0	920	ug/Kg	77				51	116	
Nitrobenzene	1200	0	950	ug/Kg	79				47	124	
Isophorone	1200	0	940	ug/Kg	78				49	127	
2-Nitrophenol	1200	0	990	ug/Kg	83				43	131	
2,4-Dimethylphenol	1200	0	930	ug/Kg	78				63	151	
bis(2-Chloroethoxy)methane	1200	0	950	ug/Kg	79				51	119	
2,4-Dichlorophenol	1200	0	950	ug/Kg	79				50	122	
Naphthalene	1200	0	950	ug/Kg	79				51	121	
4-Chloroaniline	1200	0	270	ug/Kg	23				10	100	
Hexachlorobutadiene	1200	0	950	ug/Kg	79				44	126	
Caprolactam	1200	0	950	ug/Kg	79				51	134	
4-Chloro-3-methylphenol	1200	0	910	ug/Kg	76				57	132	
2-Methylnaphthalene	1200	0	940	ug/Kg	78				59	123	
Hexachlorocyclopentadiene	2300	0	1800	ug/Kg	78				10	175	
2,4,6-Trichlorophenol	1200	0	950	ug/Kg	79				33	141	
2,4,5-Trichlorophenol	1200	0	940	ug/Kg	78				38	135	
1,1-Biphenyl	1200	0	970	ug/Kg	81				55	131	
2-Chloronaphthalene	1200	0	960	ug/Kg	80				48	124	
2-Nitroaniline	1200	0	920	ug/Kg	77				47	134	
Dimethylphthalate	1200	0	970	ug/Kg	81				54	120	
Acenaphthylene	1200	0	940	ug/Kg	78				57	125	
2,6-Dinitrotoluene	1200	0	960	ug/Kg	80				48	127	
3-Nitroaniline	1200	0	480	ug/Kg	40				10	112	
Acenaphthene	1200	0	1000	ug/Kg	83				70	121	
2,4-Dinitrophenol	2300	0	1600	ug/Kg	70				10	155	
4-Nitrophenol	2300	0	1500	ug/Kg	65				10	175	
Dibenzofuran	1200	0	920	ug/Kg	77				52	114	
2,4-Dinitrotoluene	1200	0	910	ug/Kg	76				41	140	
Diethylphthalate	1200	0	950	ug/Kg	79				51	119	
4-Chlorophenyl-phenylether	1200	0	920	ug/Kg	77				48	122	
Fluorene	1200	0	900	ug/Kg	75				53	118	
4-Nitroaniline	1200	0	800	ug/Kg	67				29	140	
4,6-Dinitro-2-methylphenol	1200	0	950	ug/Kg	79				10	160	
N-Nitrosodiphenylamine	1200	0	1100	ug/Kg	92				73	118	
4-Bromophenyl-phenylether	1200	0	1100	ug/Kg	92				65	121	
Hexachlorobenzene	1200	0	1000	ug/Kg	83				67	118	
Atrazine	1200	0	1100	ug/Kg	92				45	175	

Matrix Spike/Matrix Spike Duplicate Summary

SW-846

SDG No.: Q2393

Client: Union Paving & Construction Company

Analytical Method: SW8270E

Parameter	Spike	Sample Result	Result	Units	Rec	Rec Qual	RPD	RPD Qual	Low	Limits High	RPD
Pentachlorophenol	2300	0	1700	ug/Kg	74				13	153	
Phenanthrene	1200	0	950	ug/Kg	79				52	128	
Anthracene	1200	0	940	ug/Kg	78				62	124	
Carbazole	1200	0	860	ug/Kg	72				59	119	
Di-n-butylphthalate	1200	0	1000	ug/Kg	83				55	125	
Fluoranthene	1200	0	830	ug/Kg	69				44	125	
Pyrene	1200	0	620	ug/Kg	52				37	122	
Butylbenzylphthalate	1200	0	930	ug/Kg	78				44	135	
3,3-Dichlorobenzidine	1200	0	380	ug/Kg	32				15	112	
Benzo(a)anthracene	1200	0	960	ug/Kg	80				53	119	
Chrysene	1200	0	990	ug/Kg	83				57	121	
bis(2-Ethylhexyl)phthalate	1200	0	1000	ug/Kg	83				42	169	
Di-n-octyl phthalate	1200	0	1000	ug/Kg	83				51	156	
Benzo(b)fluoranthene	1200	0	1000	ug/Kg	83				52	117	
Benzo(k)fluoranthene	1200	0	1000	ug/Kg	83				57	134	
Benzo(a)pyrene	1200	0	1000	ug/Kg	83				70	142	
Indeno(1,2,3-cd)pyrene	1200	0	560	ug/Kg	47				40	129	
Dibenz(a,h)anthracene	1200	0	570	ug/Kg	48				43	123	
Benzo(g,h,i)perylene	1200	0	490	ug/Kg	41				24	125	
1,2,4,5-Tetrachlorobenzene	1200	0	980	ug/Kg	82				52	134	
1,4-Dioxane	1200	0	820	ug/Kg	68				46	112	
2,3,4,6-Tetrachlorophenol	1200	0	870	ug/Kg	73				24	146	

Matrix Spike/Matrix Spike Duplicate Summary

SW-846

SDG No.: Q2393

Client: Union Paving & Construction Company

Analytical Method: SW8270E

Parameter	Spike	Sample Result	Result	Units	Rec	Rec Qual	RPD	RPD Qual	Low	Limits High	RPD
Lab Sample ID:	Q2394-01MSD	Client Sample ID:	MH-K/LMSD					DataFile:	BF142844.D		
Benzaldehyde	1200	0	900	ug/Kg	75		5		10	171	20
Phenol	1200	0	950	ug/Kg	79		4		51	122	20
bis(2-Chloroethyl)ether	1200	0	1000	ug/Kg	83		6		54	125	20
2-Chlorophenol	1200	0	990	ug/Kg	83		6		51	121	20
2-Methylphenol	1200	0	980	ug/Kg	82		5		47	125	20
2,2-oxybis(1-Chloropropane)	1200	0	950	ug/Kg	79		5		46	119	20
Acetophenone	1200	0	1000	ug/Kg	83		5		55	128	20
3+4-Methylphenols	1200	0	980	ug/Kg	82		5		49	125	20
N-Nitroso-di-n-propylamine	1200	0	990	ug/Kg	83		5		59	119	20
Hexachloroethane	1200	0	990	ug/Kg	83		8		51	116	20
Nitrobenzene	1200	0	990	ug/Kg	83		5		47	124	20
Isophorone	1200	0	990	ug/Kg	83		6		49	127	20
2-Nitrophenol	1200	0	1100	ug/Kg	92		10		43	131	20
2,4-Dimethylphenol	1200	0	970	ug/Kg	81		4		63	151	20
bis(2-Chloroethoxy)methane	1200	0	1000	ug/Kg	83		5		51	119	20
2,4-Dichlorophenol	1200	0	990	ug/Kg	83		5		50	122	20
Naphthalene	1200	0	980	ug/Kg	82		4		51	121	20
4-Chloroaniline	1200	0	270	ug/Kg	23		0		10	100	20
Hexachlorobutadiene	1200	0	990	ug/Kg	83		5		44	126	20
Caprolactam	1200	0	990	ug/Kg	83		5		51	134	20
4-Chloro-3-methylphenol	1200	0	970	ug/Kg	81		6		57	132	20
2-Methylnaphthalene	1200	0	990	ug/Kg	83		6		59	123	20
Hexachlorocyclopentadiene	2300	0	1900	ug/Kg	83		6		10	175	20
2,4,6-Trichlorophenol	1200	0	1000	ug/Kg	83		5		33	141	20
2,4,5-Trichlorophenol	1200	0	990	ug/Kg	83		6		38	135	20
1,1-Biphenyl	1200	0	1000	ug/Kg	83		2		55	131	20
2-Chloronaphthalene	1200	0	1000	ug/Kg	83		4		48	124	20
2-Nitroaniline	1200	0	990	ug/Kg	83		8		47	134	20
Dimethylphthalate	1200	0	1000	ug/Kg	83		2		54	120	20
Acenaphthylene	1200	0	990	ug/Kg	83		6		57	125	20
2,6-Dinitrotoluene	1200	0	1000	ug/Kg	83		4		48	127	20
3-Nitroaniline	1200	0	470	ug/Kg	39		3		10	112	20
Acenaphthene	1200	0	1000	ug/Kg	83		0		70	121	20
2,4-Dinitrophenol	2300	0	1600	ug/Kg	70		0		10	155	20
4-Nitrophenol	2300	0	1600	ug/Kg	70		7		10	175	20
Dibenzofuran	1200	0	970	ug/Kg	81		5		52	114	20
2,4-Dinitrotoluene	1200	0	960	ug/Kg	80		5		41	140	20
Diethylphthalate	1200	0	1000	ug/Kg	83		5		51	119	20
4-Chlorophenyl-phenylether	1200	0	970	ug/Kg	81		5		48	122	20
Fluorene	1200	0	940	ug/Kg	78		4		53	118	20
4-Nitroaniline	1200	0	830	ug/Kg	69		3		29	140	20
4,6-Dinitro-2-methylphenol	1200	0	1000	ug/Kg	83		5		10	160	20
N-Nitrosodiphenylamine	1200	0	1100	ug/Kg	92		0		73	118	20
4-Bromophenyl-phenylether	1200	0	1200	ug/Kg	100		8		65	121	20
Hexachlorobenzene	1200	0	1100	ug/Kg	92		10		67	118	20
Atrazine	1200	0	1100	ug/Kg	92		0		45	175	20

Matrix Spike/Matrix Spike Duplicate Summary

SW-846

SDG No.: Q2393

Client: Union Paving & Construction Company

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		5		13	153	20
Phenanthrene	1200	0	1000	ug/Kg	83		5		52	128	20
Anthracene	1200	0	1000	ug/Kg	83		6		62	124	20
Carbazole	1200	0	920	ug/Kg	77		7		59	119	20
Di-n-butylphthalate	1200	0	1100	ug/Kg	92		10		55	125	20
Fluoranthene	1200	0	890	ug/Kg	74		7		44	125	20
Pyrene	1200	0	650	ug/Kg	54		4		37	122	20
Butylbenzylphthalate	1200	0	980	ug/Kg	82		5		44	135	20
3,3-Dichlorobenzidine	1200	0	390	ug/Kg	33		3		15	112	20
Benzo(a)anthracene	1200	0	1000	ug/Kg	83		4		53	119	20
Chrysene	1200	0	1000	ug/Kg	83		0		57	121	20
bis(2-Ethylhexyl)phthalate	1200	0	1100	ug/Kg	92		10		42	169	20
Di-n-octyl phthalate	1200	0	1100	ug/Kg	92		10		51	156	20
Benzo(b)fluoranthene	1200	0	1100	ug/Kg	92		10		52	117	20
Benzo(k)fluoranthene	1200	0	1100	ug/Kg	92		10		57	134	20
Benzo(a)pyrene	1200	0	1000	ug/Kg	83		0		70	142	20
Indeno(1,2,3-cd)pyrene	1200	0	580	ug/Kg	48		2		40	129	20
Dibenz(a,h)anthracene	1200	0	580	ug/Kg	48		0		43	123	20
Benzo(g,h,i)perylene	1200	0	500	ug/Kg	42		2		24	125	20
1,2,4,5-Tetrachlorobenzene	1200	0	1000	ug/Kg	83		1		52	134	20
1,4-Dioxane	1200	0	860	ug/Kg	72		6		46	112	20
2,3,4,6-Tetrachlorophenol	1200	0	900	ug/Kg	75		3		24	146	20

Laboratory Control Sample/Laboratory Control Sample Duplicate Summary

SW-846

SDG No.: Q2393

Client: Union Paving & Construction Company

Analytical Method: 8270E

DataFile: BF142839.D

Lab Sample ID	Parameter	Spike	Result	Unit	Rec	RPD	Qual	RPD		Limits		RPD
								Qual	Low	High		
PB168601BS	Benzaldehyde	1700	1300	ug/Kg	76				10	133		
	Phenol	1700	1400	ug/Kg	82				62	112		
	bis(2-Chloroethyl)ether	1700	1500	ug/Kg	88				60	101		
	2-Chlorophenol	1700	1400	ug/Kg	82				65	112		
	2-Methylphenol	1700	1400	ug/Kg	82				61	108		
	2,2-oxybis(1-Chloropropane)	1700	1400	ug/Kg	82				51	100		
	Acetophenone	1700	1500	ug/Kg	88				66	98		
	3+4-Methylphenols	1700	1400	ug/Kg	82				58	111		
	N-Nitroso-di-n-propylamine	1700	1400	ug/Kg	82				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	1500	ug/Kg	88				66	97		
	2,4-Dichlorophenol	1700	1400	ug/Kg	82				62	107		
	Naphthalene	1700	1500	ug/Kg	88				62	100		
	4-Chloroaniline	1700	560	ug/Kg	33				16	100		
	Hexachlorobutadiene	1700	1500	ug/Kg	88				53	98		
	Caprolactam	1700	1400	ug/Kg	82				67	110		
	4-Chloro-3-methylphenol	1700	1400	ug/Kg	82				58	112		
	2-Methylnaphthalene	1700	1400	ug/Kg	82				60	104		
	Hexachlorocyclopentadiene	3300	3400	ug/Kg	103				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	1400	ug/Kg	82				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	750	ug/Kg	44				28	100		
	Acenaphthene	1700	1600	ug/Kg	94				57	104		
	2,4-Dinitrophenol	3300	3200	ug/Kg	97				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	1400	ug/Kg	82				61	101		
	4-Nitroaniline	1700	1400	ug/Kg	82				64	103		
	4,6-Dinitro-2-methylphenol	1700	1600	ug/Kg	94				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.: Q2393

Client: Union Paving & Construction Company

Analytical Method: 8270E

DataFile: BF142839.D

Lab Sample ID	Parameter	Spike	Result	Unit	Rec	RPD	Qual	RPD	Limits		RPD
								Qual	Low	High	
PB168601BS	Hexachlorobenzene	1700	1600	ug/Kg	94				64	98	
	Atrazine	1700	1700	ug/Kg	100				47	152	
	Pentachlorophenol	3300	3100	ug/Kg	94				67	105	
	Phenanthrene	1700	1500	ug/Kg	88				59	103	
	Anthracene	1700	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	1600	ug/Kg	94				57	107	
	Pyrene	1700	1200	ug/Kg	71				59	103	
	Butylbenzylphthalate	1700	1800	ug/Kg	106		*		55	103	
	3,3-Dichlorobenzidine	1700	660	ug/Kg	39		*		42	91	
	Benzo(a)anthracene	1700	1500	ug/Kg	88				60	102	
	Chrysene	1700	1500	ug/Kg	88				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	1600	ug/Kg	94				62	109	
	Benzo(k)fluoranthene	1700	1600	ug/Kg	94				62	109	
	Benzo(a)pyrene	1700	1600	ug/Kg	94				63	103	
	Indeno(1,2,3-cd)pyrene	1700	1400	ug/Kg	82				63	101	
	Dibenz(a,h)anthracene	1700	1400	ug/Kg	82				61	112	
	Benzo(g,h,i)perylene	1700	1400	ug/Kg	82				70	108	
	1,2,4,5-Tetrachlorobenzene	1700	1600	ug/Kg	94				53	101	
	1,4-Dioxane	1700	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.

PB168601BL

Lab Name: CHEMTECH

Contract: UNIO02

Lab Code: CHEM Case No.: Q2393

SAS No.: Q2393 SDG NO.: Q2393

Lab File ID: BF142838.D

Lab Sample ID: PB168601BL

Instrument ID: BNA_F

Date Extracted: 06/24/2025

Matrix: (soil/water) SOIL

Date Analyzed: 06/25/2025

Level: (low/med) LOW

Time Analyzed: 15:26

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

EPA SAMPLE NO.	LAB SAMPLE ID	LAB FILE ID	DATE ANALYZED
PB168601BS	PB168601BS	BF142839.D	06/25/2025
PARK AVE -1	Q2393-01	BF142840.D	06/25/2025
PARK AVE -2	Q2393-03	BF142841.D	06/25/2025
MH-K/LMS	Q2394-01MS	BF142843.D	06/25/2025
MH-K/LMSD	Q2394-01MSD	BF142844.D	06/25/2025
PARK AVE -3	Q2393-05	BF142824.D	06/24/2025
PARK AVE -4	Q2393-07	BF142825.D	06/24/2025
PARK AVE -6	Q2393-11	BF142823.D	06/24/2025
PARK AVE -5	Q2393-09	BF142826.D	06/24/2025

COMMENTS: _____



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5B

SEMIVOLATILE ORGANIC INSTRUMENT PERFORMANCE CHECK
DECAFLUOROTRIPHENYLPHOSPHINE (DFTPP)

Lab Name: CHEMTECHContract: UNIO02Lab Code: CHEMSAS No.: Q2393SDG NO.: Q2393Lab 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
SSTDICC040	SSTDICC040	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: UNIO02Lab Code: CHEMSAS No.: Q2393 SDG NO.: Q2393Lab File ID: BF142810.DDFTPP Injection Date: 06/24/2025Instrument ID: BNA_FDFTPP Injection Time: 09:46

m/e	ION ABUNDANCE CRITERIA	% RELATIVE ABUNDANCE
68	Less than 2.0% of mass 69	0.6 (1.7) 1
69	Mass 69 relative abundance	34.4
70	Less than 2.0% of mass 69	0.1 (0.4) 1
197	Less than 2.0% of mass 198	0.0
198	Base Peak, 100% relative abundance	100
199	5.0 to 9.0% of mass 198	6.5
365	Greater than 1% of mass 198	3.3
441	Present, but less than mass 443	15.5
442	Greater than 50% of mass 198	100
443	15.0 - 24.0% of mass 442	19.2 (19.2) 2

1-Value is % mass 69

2-Value is % mass 442

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

EPA SAMPLE NO.	LAB SAMPLE ID	LAB FILE ID	DATE ANALYZED	TIME ANALYZED
SSTDCCC040	SSTDCCC040	BF142811.D	06/24/2025	10:16
PARK AVE -6	Q2393-11	BF142823.D	06/24/2025	17:01
PARK AVE -3	Q2393-05	BF142824.D	06/24/2025	17:33
PARK AVE -4	Q2393-07	BF142825.D	06/24/2025	18:03
PARK AVE -5	Q2393-09	BF142826.D	06/24/2025	18:34



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5B

SEMIVOLATILE ORGANIC INSTRUMENT PERFORMANCE CHECK
DECAFLUOROTRIPHENYLPHOSPHINE (DFTPP)

Lab Name: CHEMTECHContract: UNIO02Lab Code: CHEMSAS No.: Q2393 SDG NO.: Q2393Lab File ID: BF142833.DDFTPP Injection Date: 06/25/2025Instrument ID: BNA_FDFTPP Injection Time: 12:17

m/e	ION ABUNDANCE CRITERIA	% RELATIVE ABUNDANCE
68	Less than 2.0% of mass 69	0.1 (0.4) 1
69	Mass 69 relative abundance	28.5
70	Less than 2.0% of mass 69	0.0 (0.0) 1
197	Less than 2.0% of mass 198	0.0
198	Base Peak, 100% relative abundance	100
199	5.0 to 9.0% of mass 198	6
365	Greater than 1% of mass 198	3.1
441	Present, but less than mass 443	14.9
442	Greater than 50% of mass 198	100
443	15.0 - 24.0% of mass 442	18.8 (18.8) 2

1-Value is % mass 69

2-Value is % mass 442

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

EPA SAMPLE NO.	LAB SAMPLE ID	LAB FILE ID	DATE ANALYZED	TIME ANALYZED
SSTDCCC040	SSTDCCC040	BF142834.D	06/25/2025	13:25
PB168601BL	PB168601BL	BF142838.D	06/25/2025	15:26
PB168601BS	PB168601BS	BF142839.D	06/25/2025	15:57
PARK AVE -1	Q2393-01	BF142840.D	06/25/2025	16:32
PARK AVE -2	Q2393-03	BF142841.D	06/25/2025	17:02
MH-K/LMS	Q2394-01MS	BF142843.D	06/25/2025	18:04
MH-K/LMSD	Q2394-01MSD	BF142844.D	06/25/2025	18:35

8B

SEMIVOLATILE INTERNAL STANDARD AREA AND RT SUMMARY

Lab Name: CHEMTECH

Lab Code: CHEM Case No.: Q2393 SAS No.: Q2393 SDG NO.: Q2393

EPA Sample No.: SSTDCCC040 Date Analyzed: 06/24/2025

Lab File ID: BF142811.D Time Analyzed: 10:16

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	88364	6.88	335549	8.16	179366	9.92
UPPER LIMIT	176728	7.38	671098	8.663	358732	10.421
LOWER LIMIT	44182	6.38	167775	7.663	89683	9.421
EPA SAMPLE NO.						
01 PARK AVE -3	63043	6.88	226294	8.16	112057	9.92
02 PARK AVE -4	62168	6.88	204115	8.16	93623	9.92
03 PARK AVE -5	53337	6.88	183629	8.16	94380	9.92
04 PARK AVE -6	73650	6.88	263416	8.16	131114	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.: Q2393 SAS No.: Q2393 SDG NO.: Q2393

EPA Sample No.: SSTDCCC040 Date Analyzed: 06/24/2025

Lab File ID: BF142811.D Time Analyzed: 10:16

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	300319	11.41	163667	14.056	187854	15.545
UPPER LIMIT	600638	11.91	327334	14.556	375708	16.045
LOWER LIMIT	150160	10.91	81833.5	13.556	93927	15.045
EPA SAMPLE NO.						
01 PARK AVE -3	215299	11.41	191648	14.05	128238	15.55
02 PARK AVE -4	176025	11.41	164289	14.05	108830	15.55
03 PARK AVE -5	188653	11.41	152475	14.05	103394	15.55
04 PARK AVE -6	233515	11.41	228217	14.05	158913	15.55

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.: Q2393 SAS No.: Q2393 SDG NO.: Q2393

EPA Sample No.: SSTDCCC040 Date Analyzed: 06/25/2025

Lab File ID: BF142834.D Time Analyzed: 13:25

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	62666	6.881	217016	8.16	105351	9.92
UPPER LIMIT	125332	7.381	434032	8.663	210702	10.422
LOWER LIMIT	31333	6.381	108508	7.663	52675.5	9.422
EPA SAMPLE NO.						
01 PB168601BL	81390	6.88	310420	8.16	163008	9.92
02 PB168601BS	75779	6.88	274808	8.16	132637	9.92
03 PARK AVE -1	78743	6.88	299716	8.16	152673	9.92
04 PARK AVE -2	79690	6.88	305909	8.16	156047	9.92
05 MH-K/LMS	88519	6.88	329491	8.16	165682	9.92
06 MH-K/LMSD	86832	6.88	327352	8.16	161732	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.: Q2393 SAS No.: Q2393 SDG NO.: Q2393

EPA Sample No.: SSTDCCC040 Date Analyzed: 06/25/2025

Lab File ID: BF142834.D Time Analyzed: 13:25

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	165051	11.41	130450	14.057	161869	15.551
UPPER LIMIT	330102	11.91	260900	14.557	323738	16.051
LOWER LIMIT	82525.5	10.91	65225	13.557	80934.5	15.051
EPA SAMPLE NO.						
01 PB168601BL	283770	11.40	173595	14.05	178625	15.54
02 PB168601BS	201072	11.41	147361	14.06	184315	15.55
03 PARK AVE -1	208414	11.40	153326	14.05	177028	15.55
04 PARK AVE -2	222655	11.40	158233	14.05	179947	15.55
05 MH-K/LMS	227501	11.41	165966	14.06	197780	15.55
06 MH-K/LMSD	216826	11.41	166084	14.06	195276	15.55

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:	Union Paving & Construction Company	Date Collected:	06/23/25
Project:	190 Park Ave Hanover Twp NJ - PO 2556-001	Date Received:	06/23/25
Client Sample ID:	PARK AVE -1	SDG No.:	Q2393
Lab Sample ID:	Q2393-01	Matrix:	SOIL
Analytical Method:	8270E	% Solid:	83.3
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
BF142840.D	1	06/24/25 13:00	06/25/25 16:32	PB168601

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units(Dry Weight)
TARGETS						
100-52-7	Benzaldehyde	190	U	190	390	ug/Kg
108-95-2	Phenol	26.5	U	26.5	200	ug/Kg
111-44-4	bis(2-Chloroethyl)ether	29.1	U	29.1	200	ug/Kg
95-57-8	2-Chlorophenol	29.2	U	29.2	200	ug/Kg
95-48-7	2-Methylphenol	35.8	U	35.8	200	ug/Kg
108-60-1	2,2-oxybis(1-Chloropropane)	44.9	U	44.9	200	ug/Kg
98-86-2	Acetophenone	35.3	U	35.3	200	ug/Kg
65794-96-9	3+4-Methylphenols	49.2	U	49.2	390	ug/Kg
621-64-7	n-Nitroso-di-n-propylamine	56.7	U	56.7	95.8	ug/Kg
67-72-1	Hexachloroethane	21.1	U	21.1	200	ug/Kg
98-95-3	Nitrobenzene	21.9	U	21.9	200	ug/Kg
78-59-1	Isophorone	39.3	U	39.3	200	ug/Kg
88-75-5	2-Nitrophenol	69.7	U	69.7	200	ug/Kg
105-67-9	2,4-Dimethylphenol	77.6	U	77.6	200	ug/Kg
111-91-1	bis(2-Chloroethoxy)methane	36.9	U	36.9	200	ug/Kg
120-83-2	2,4-Dichlorophenol	33.9	U	33.9	200	ug/Kg
91-20-3	Naphthalene	27.2	U	27.2	200	ug/Kg
106-47-8	4-Chloroaniline	42.4	U	42.4	200	ug/Kg
87-68-3	Hexachlorobutadiene	30.3	U	30.3	200	ug/Kg
105-60-2	Caprolactam	62.4	U	62.4	390	ug/Kg
59-50-7	4-Chloro-3-methylphenol	34.4	U	34.4	200	ug/Kg
91-57-6	2-Methylnaphthalene	30.6	U	30.6	200	ug/Kg
77-47-4	Hexachlorocyclopentadiene	140	U	140	390	ug/Kg
88-06-2	2,4,6-Trichlorophenol	23.7	U	23.7	200	ug/Kg
95-95-4	2,4,5-Trichlorophenol	34.8	U	34.8	200	ug/Kg
92-52-4	1,1-Biphenyl	26.1	U	26.1	200	ug/Kg
91-58-7	2-Chloronaphthalene	26.9	U	26.9	200	ug/Kg
88-74-4	2-Nitroaniline	57.6	U	57.6	200	ug/Kg
131-11-3	Dimethylphthalate	32.4	U	32.4	200	ug/Kg

Report of Analysis

Client:	Union Paving & Construction Company	Date Collected:	06/23/25
Project:	190 Park Ave Hanover Twp NJ - PO 2556-001	Date Received:	06/23/25
Client Sample ID:	PARK AVE -1	SDG No.:	Q2393
Lab Sample ID:	Q2393-01	Matrix:	SOIL
Analytical Method:	8270E	% Solid:	83.3
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
BF142840.D	1	06/24/25 13:00	06/25/25 16:32	PB168601

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units(Dry Weight)
208-96-8	Acenaphthylene	34.6	U	34.6	200	ug/Kg
606-20-2	2,6-Dinitrotoluene	40.2	U	40.2	200	ug/Kg
99-09-2	3-Nitroaniline	55.1	U	55.1	200	ug/Kg
83-32-9	Acenaphthene	25.5	U	25.5	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	27.2	U	27.2	200	ug/Kg
121-14-2	2,4-Dinitrotoluene	60.0	U	60.0	200	ug/Kg
84-66-2	Diethylphthalate	33.9	U	33.9	200	ug/Kg
7005-72-3	4-Chlorophenyl-phenylether	32.0	U	32.0	200	ug/Kg
86-73-7	Fluorene	30.3	U	30.3	200	ug/Kg
100-01-6	4-Nitroaniline	76.8	U	76.8	200	ug/Kg
534-52-1	4,6-Dinitro-2-methylphenol	120	U	120	390	ug/Kg
86-30-6	n-Nitrosodiphenylamine	39.4	U	39.4	200	ug/Kg
101-55-3	4-Bromophenyl-phenylether	33.3	U	33.3	200	ug/Kg
118-74-1	Hexachlorobenzene	30.3	U	30.3	200	ug/Kg
1912-24-9	Atrazine	40.7	U	40.7	200	ug/Kg
87-86-5	Pentachlorophenol	61.4	U	61.4	390	ug/Kg
85-01-8	Phenanthrene	25.0	U	25.0	200	ug/Kg
120-12-7	Anthracene	39.9	U	39.9	200	ug/Kg
86-74-8	Carbazole	37.3	U	37.3	200	ug/Kg
84-74-2	Di-n-butylphthalate	57.3	U	57.3	200	ug/Kg
206-44-0	Fluoranthene	35.9	U	35.9	200	ug/Kg
129-00-0	Pyrene	43.1	U	43.1	200	ug/Kg
85-68-7	Butylbenzylphthalate	85.5	UQ	85.5	200	ug/Kg
91-94-1	3,3-Dichlorobenzidine	43.9	UQ	43.9	390	ug/Kg
56-55-3	Benzo(a)anthracene	27.5	U	27.5	200	ug/Kg
218-01-9	Chrysene	23.8	U	23.8	200	ug/Kg
117-81-7	Bis(2-ethylhexyl)phthalate	70.9	U	70.9	200	ug/Kg
117-84-0	Di-n-octyl phthalate	100	U	100	390	ug/Kg
205-99-2	Benzo(b)fluoranthene	22.7	U	22.7	200	ug/Kg

Report of Analysis

Client:	Union Paving & Construction Company	Date Collected:	06/23/25
Project:	190 Park Ave Hanover Twp NJ - PO 2556-001	Date Received:	06/23/25
Client Sample ID:	PARK AVE -1	SDG No.:	Q2393
Lab Sample ID:	Q2393-01	Matrix:	SOIL
Analytical Method:	8270E	% Solid:	83.3
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
BF142840.D	1	06/24/25 13:00	06/25/25 16:32	PB168601

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units(Dry Weight)
207-08-9	Benzo(k)fluoranthene	26.8	U	26.8	200	ug/Kg
50-32-8	Benzo(a)pyrene	35.3	U	35.3	200	ug/Kg
193-39-5	Indeno(1,2,3-cd)pyrene	34.8	U	34.8	200	ug/Kg
53-70-3	Dibenzo(a,h)anthracene	32.8	U	32.8	200	ug/Kg
191-24-2	Benzo(g,h,i)perylene	30.8	U	30.8	200	ug/Kg
95-94-3	1,2,4,5-Tetrachlorobenzene	30.6	U	30.6	200	ug/Kg
123-91-1	1,4-Dioxane	54.1	U	54.1	200	ug/Kg
58-90-2	2,3,4,6-Tetrachlorophenol	32.8	U	32.8	200	ug/Kg

SURROGATES

367-12-4	2-Fluorophenol	78.3		18 - 112	52%	SPK: 150
13127-88-3	Phenol-d6	84.3		15 - 107	56%	SPK: 150
4165-60-0	Nitrobenzene-d5	48.6		18 - 107	49%	SPK: 100
321-60-8	2-Fluorobiphenyl	46.6		20 - 109	47%	SPK: 100
118-79-6	2,4,6-Tribromophenol	73.9		10 - 116	49%	SPK: 150
1718-51-0	Terphenyl-d14	34.2		10 - 105	34%	SPK: 100

INTERNAL STANDARDS

3855-82-1	1,4-Dichlorobenzene-d4	78700	6.875	
1146-65-2	Naphthalene-d8	300000	8.157	
15067-26-2	Acenaphthene-d10	153000	9.916	
1517-22-2	Phenanthrene-d10	208000	11.404	
1719-03-5	Chrysene-d12	153000	14.051	
1520-96-3	Perylene-d12	177000	15.545	

TENTATIVE IDENTIFIED COMPOUNDS

000123-42-2	2-Pentanone, 4-hydroxy-4-methyl-	260	AB	5.09	ug/Kg
000119-61-9	Benzophenone	200	J	10.6	ug/Kg
000057-10-3	n-Hexadecanoic acid	860	J	11.9	ug/Kg
000057-11-4	Octadecanoic acid	340	J	12.7	ug/Kg
000630-04-6	Hentriacontane	130	J	12.9	ug/Kg
000629-94-7	Heneicosane	140	J	13.6	ug/Kg
959092-08-1	Pentafluoropropionic acid, pentade	190	J	13.9	ug/Kg

Report of Analysis

Client:	Union Paving & Construction Company	Date Collected:	06/23/25
Project:	190 Park Ave Hanover Twp NJ - PO 2556-001	Date Received:	06/23/25
Client Sample ID:	PARK AVE -1	SDG No.:	Q2393
Lab Sample ID:	Q2393-01	Matrix:	SOIL
Analytical Method:	8270E	% Solid:	83.3
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
BF142840.D	1	06/24/25 13:00	06/25/25 16:32	PB168601

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units(Dry Weight)
000630-02-4	Octacosane	170	J		14.2	ug/Kg
000112-95-8	Eicosane	170	J		14.7	ug/Kg
000638-68-6	Triacontane	150	J		15.2	ug/Kg
000630-01-3	Hexacosane	100	J		15.7	ug/Kg

U = Not Detected

LOQ = Limit of Quantitation

MDL = Method Detection Limit

LOD = Limit of Detection

E = Value Exceeds Calibration Range

Q = indicates LCS control criteria did not meet requirements

M = MS/MSD acceptance criteria did not meet requirements

J = Estimated Value

B = Analyte Found in Associated Method Blank

N = Presumptive Evidence of a Compound

* = Values outside of QC limits

D = Dilution

() = Laboratory InHouse Limit

A = Aldol-Condensation Reaction Products

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF062525\
Data File : BF142840.D
Acq On : 25 Jun 2025 16:32
Operator : RC/JU
Sample : Q2393-01
Misc :
ALS Vial : 8 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
PARK AVE -1

Quant Time: Jun 25 16:52:31 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	78743	20.000	ng	0.00
21) Naphthalene-d8	8.157	136	299716	20.000	ng	-0.01
39) Acenaphthene-d10	9.916	164	152673	20.000	ng	0.00
64) Phenanthrene-d10	11.404	188	208414	20.000	ng	0.00
76) Chrysene-d12	14.051	240	153326	20.000	ng	0.00
86) Perylene-d12	15.545	264	177028	20.000	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.492	112	370364	78.309	ng	0.00
7) Phenol-d6	6.504	99	470207	84.268	ng	0.00
23) Nitrobenzene-d5	7.439	82	265474	48.584	ng	0.00
42) 2,4,6-Tribromophenol	10.710	330	116049	73.864	ng	0.00
45) 2-Fluorobiphenyl	9.233	172	541959	46.633	ng	-0.01
79) Terphenyl-d14	12.992	244	379288	34.180	ng	0.00

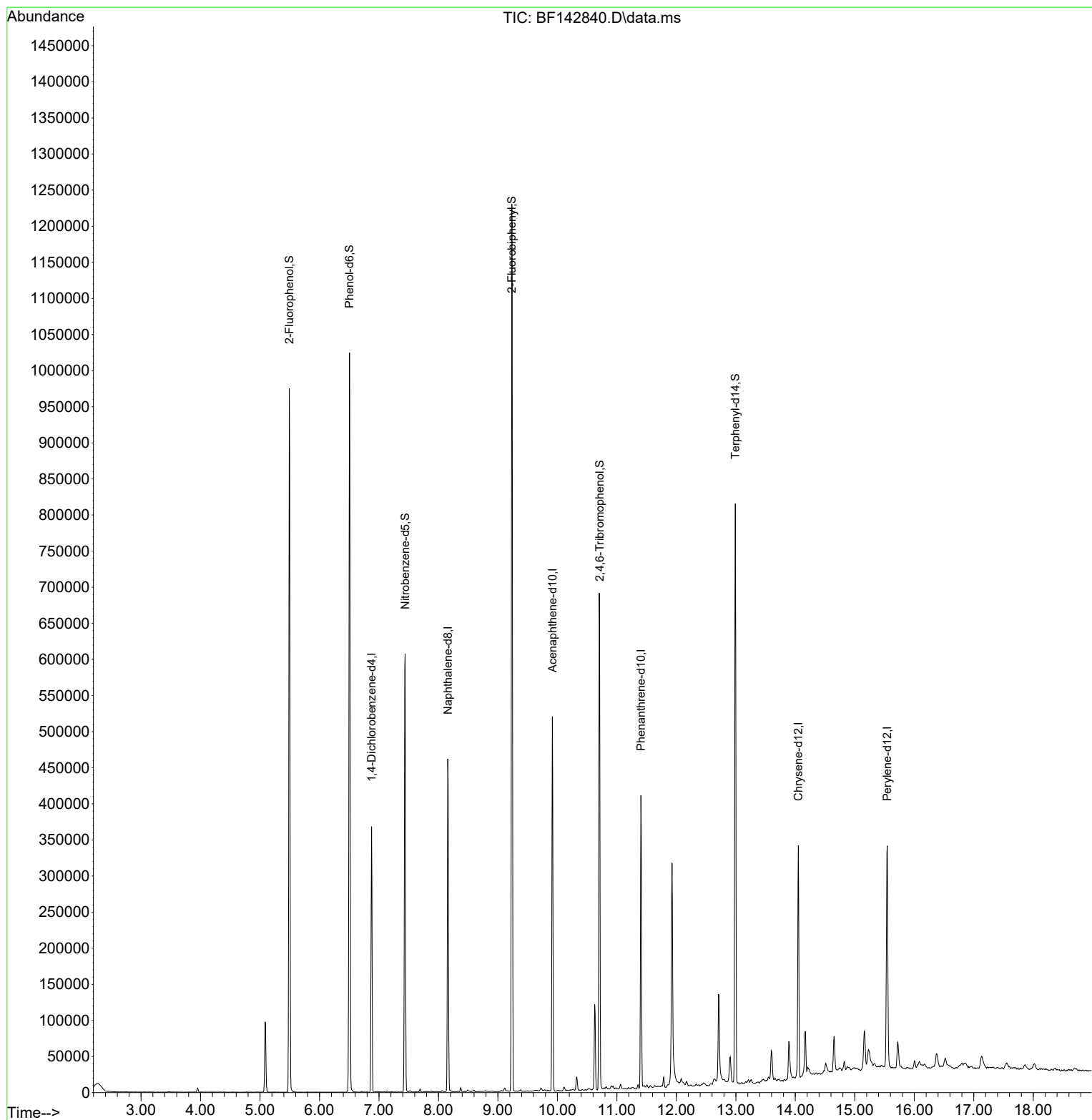
Target Compounds	Qvalue

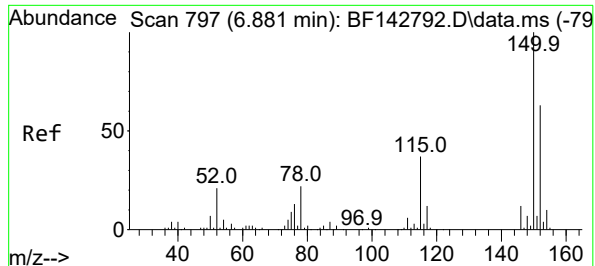
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF062525\
Data File : BF142840.D
Acq On : 25 Jun 2025 16:32
Operator : RC/JU
Sample : Q2393-01
Misc :
ALS Vial : 8 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
PARK AVE -1

Quant Time: Jun 25 16:52:31 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

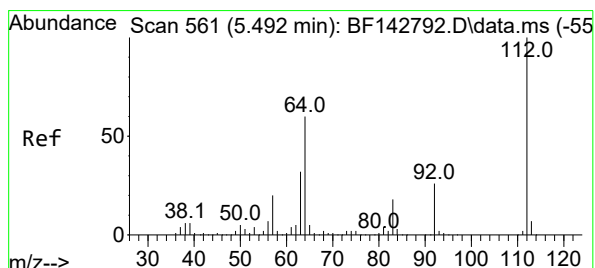
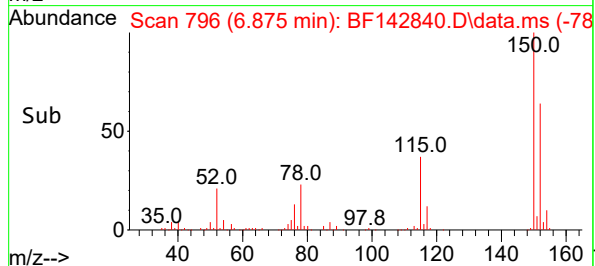
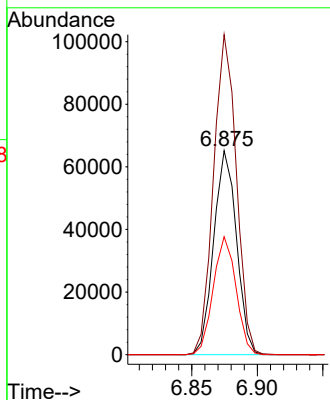
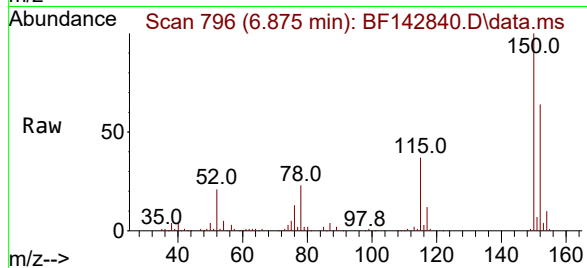




#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.875 min Scan# 797
Delta R.T. -0.006 min
Lab File: BF142840.D
Acq: 25 Jun 2025 16:32

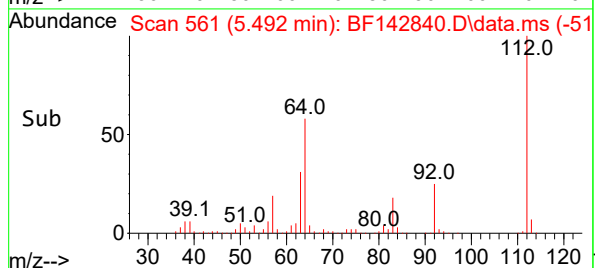
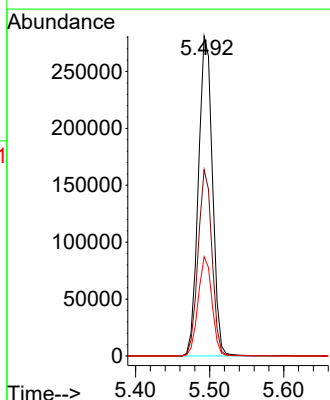
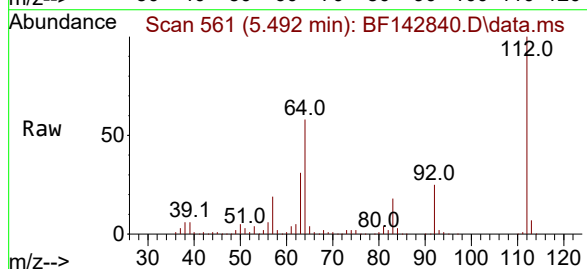
Instrument :
BNA_F
ClientSampleId :
PARK AVE -1

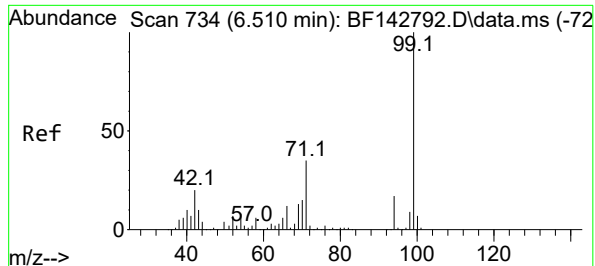
Tgt Ion:152 Resp: 78743
Ion Ratio Lower Upper
152 100
150 156.9 127.2 190.8
115 57.8 46.6 69.8



#5
2-Fluorophenol
Concen: 78.309 ng
RT: 5.492 min Scan# 561
Delta R.T. 0.000 min
Lab File: BF142840.D
Acq: 25 Jun 2025 16:32

Tgt Ion:112 Resp: 370364
Ion Ratio Lower Upper
112 100
64 58.2 48.2 72.2
63 31.0 25.7 38.5

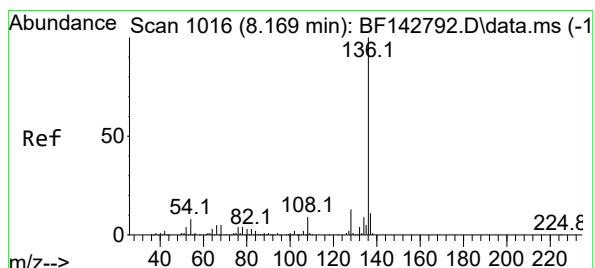
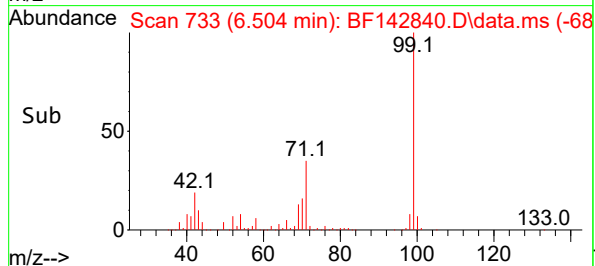
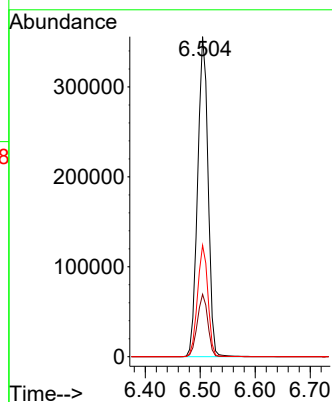
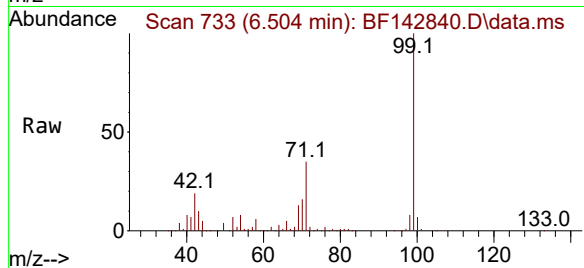




#7
Phenol-d6
Concen: 84.268 ng
RT: 6.504 min Scan# 71
Delta R.T. -0.006 min
Lab File: BF142840.D
Acq: 25 Jun 2025 16:32

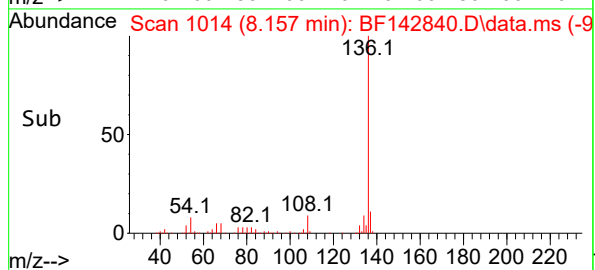
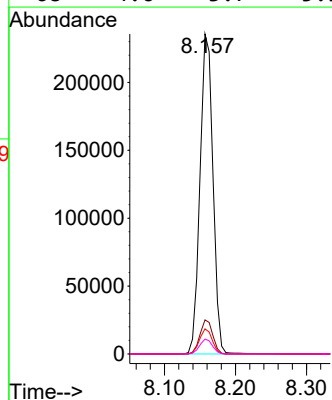
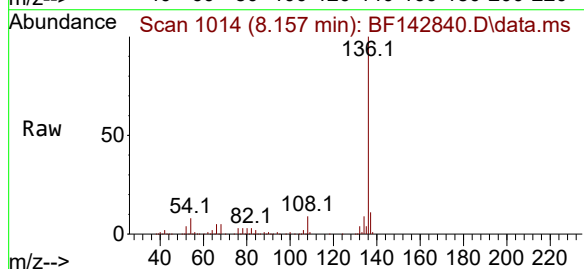
Instrument :
BNA_F
ClientSampleId :
PARK AVE -1

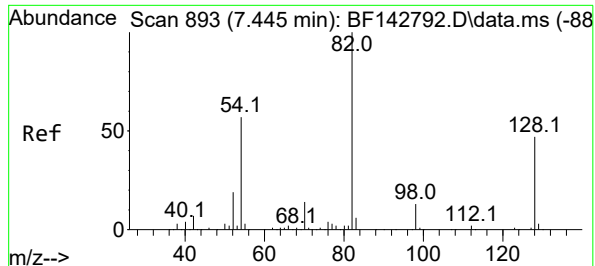
Tgt Ion: 99 Resp: 470207
Ion Ratio Lower Upper
99 100
42 19.5 15.9 23.9
71 34.8 27.8 41.8



#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.157 min Scan# 1014
Delta R.T. -0.012 min
Lab File: BF142840.D
Acq: 25 Jun 2025 16:32

Tgt Ion: 136 Resp: 299716
Ion Ratio Lower Upper
136 100
137 10.6 8.4 12.6
54 7.9 6.3 9.5
68 4.6 3.7 5.5





#23

Nitrobenzene-d5

Concen: 48.584 ng

RT: 7.439 min Scan# 89

Delta R.T. -0.006 min

Lab File: BF142840.D

Acq: 25 Jun 2025 16:32

Instrument :

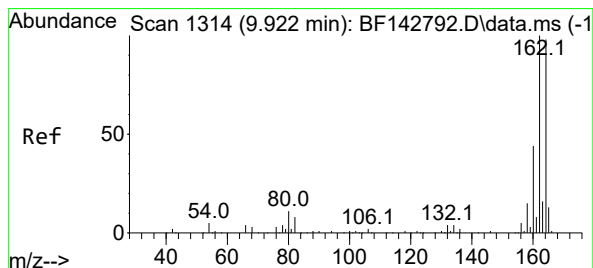
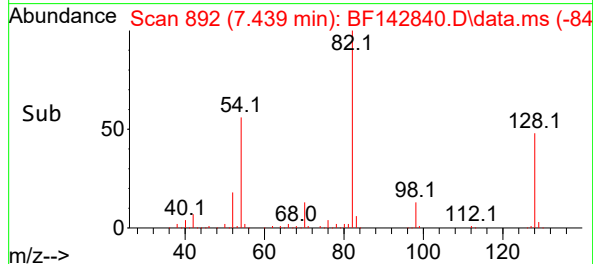
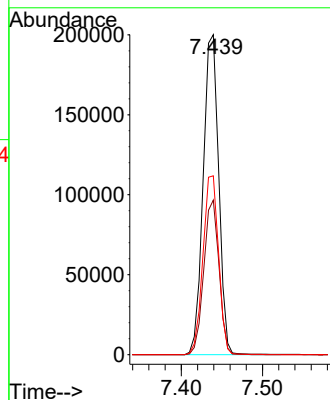
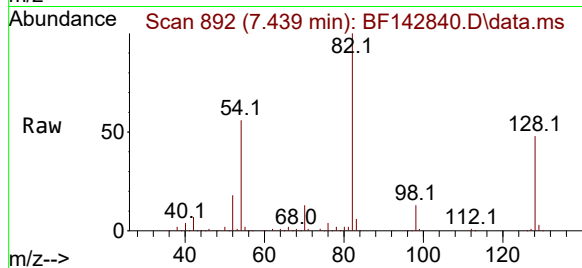
BNA_F

ClientSampleId :

PARK AVE -1

Tgt Ion: 82 Resp: 265474

Ion	Ratio	Lower	Upper
82	100		
128	48.3	37.7	56.5
54	55.9	45.7	68.5



#39

Acenaphthene-d10

Concen: 20.000 ng

RT: 9.916 min Scan# 1313

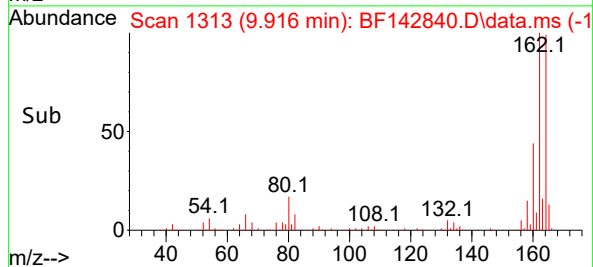
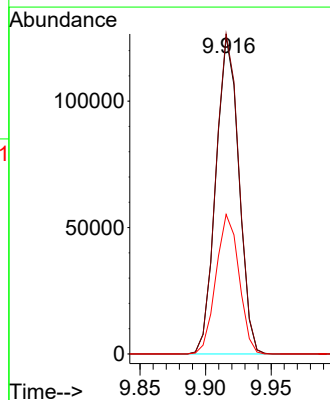
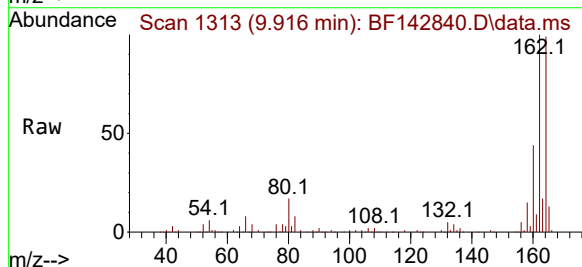
Delta R.T. -0.006 min

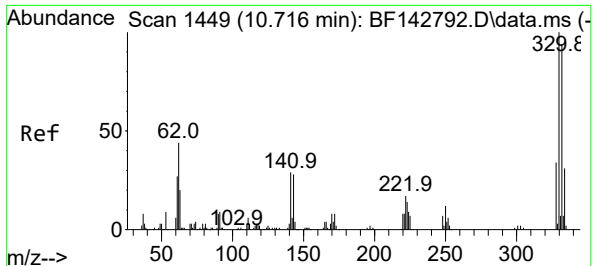
Lab File: BF142840.D

Acq: 25 Jun 2025 16:32

Tgt Ion:164 Resp: 152673

Ion	Ratio	Lower	Upper
164	100		
162	101.0	81.8	122.8
160	44.0	36.0	54.0





#42

2,4,6-Tribromophenol

Concen: 73.864 ng

RT: 10.710 min Scan# 1449

Delta R.T. -0.006 min

Lab File: BF142840.D

Acq: 25 Jun 2025 16:32

Instrument :

BNA_F

ClientSampleId :

PARK AVE -1

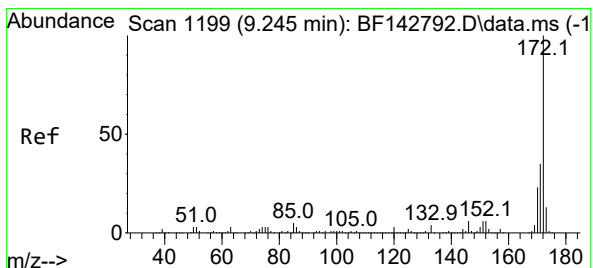
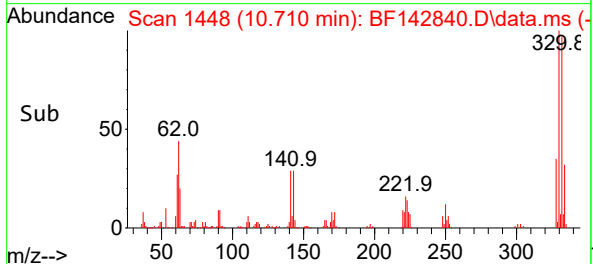
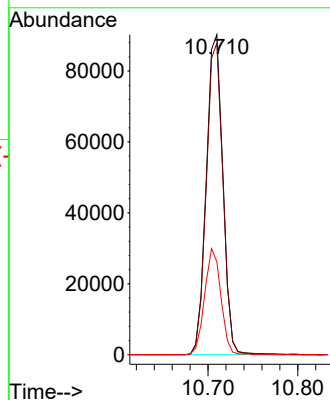
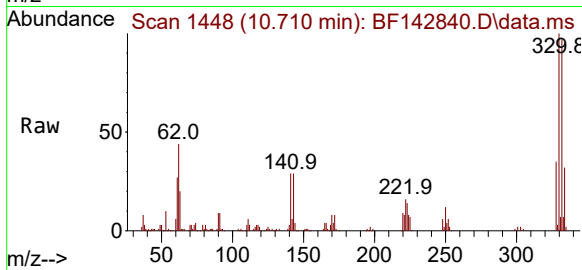
Tgt Ion:330 Resp: 116049

Ion Ratio Lower Upper

330 100

332 97.0 75.0 112.6

141 32.3 25.3 37.9



#45

2-Fluorobiphenyl

Concen: 46.633 ng

RT: 9.233 min Scan# 1197

Delta R.T. -0.012 min

Lab File: BF142840.D

Acq: 25 Jun 2025 16:32

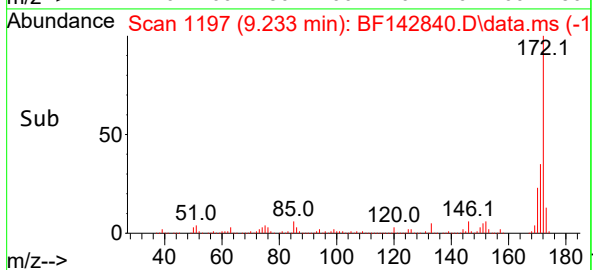
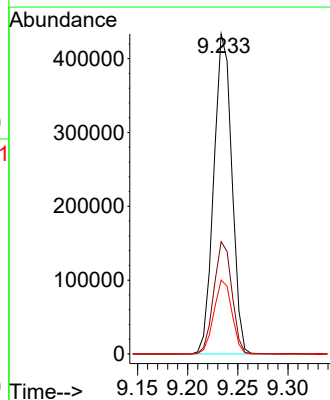
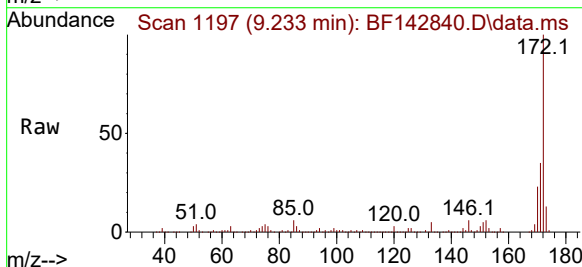
Tgt Ion:172 Resp: 541959

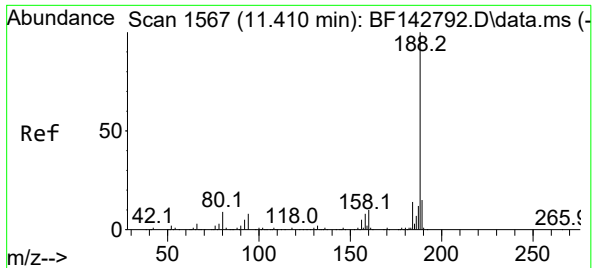
Ion Ratio Lower Upper

172 100

171 35.1 28.2 42.4

170 23.1 18.5 27.7

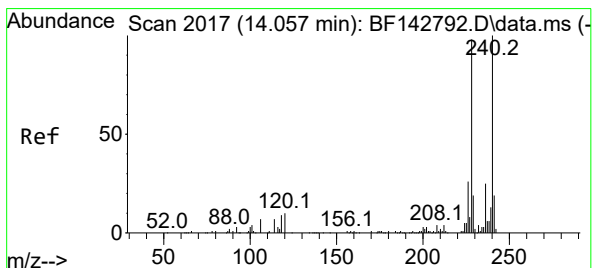
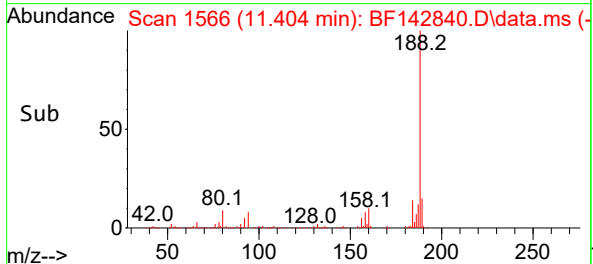
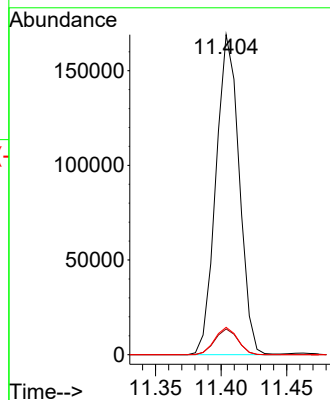
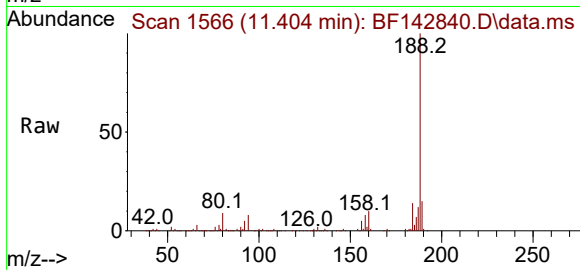




#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.404 min Scan# 1
Delta R.T. -0.006 min
Lab File: BF142840.D
Acq: 25 Jun 2025 16:32

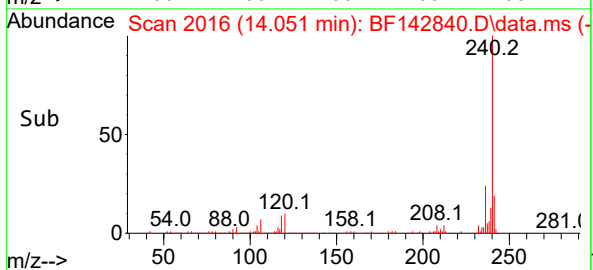
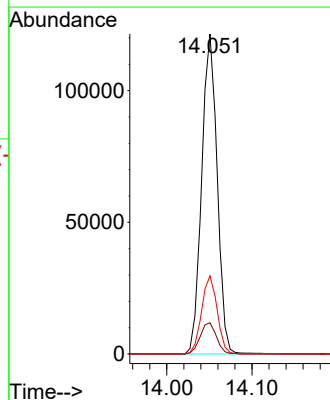
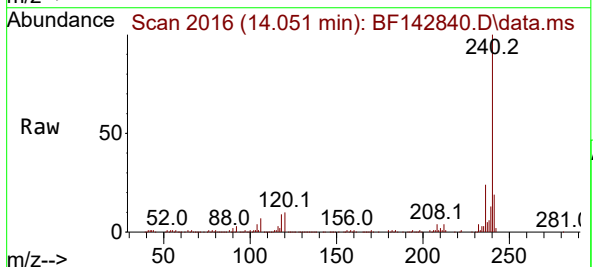
Instrument :
BNA_F
ClientSampleId :
PARK AVE -1

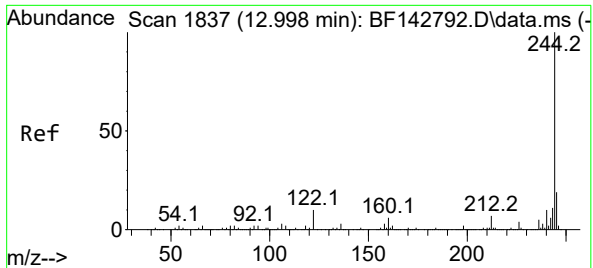
Tgt Ion:188 Resp: 208414
Ion Ratio Lower Upper
188 100
94 8.1 6.7 10.1
80 8.6 6.9 10.3



#76
Chrysene-d12
Concen: 20.000 ng
RT: 14.051 min Scan# 2016
Delta R.T. -0.006 min
Lab File: BF142840.D
Acq: 25 Jun 2025 16:32

Tgt Ion:240 Resp: 153326
Ion Ratio Lower Upper
240 100
120 9.8 8.2 12.2
236 24.4 19.8 29.8





#79

Terphenyl-d14

Concen: 34.180 ng

RT: 12.992 min Scan# 1836

Delta R.T. -0.006 min

Lab File: BF142840.D

Acq: 25 Jun 2025 16:32

Instrument :

BNA_F

ClientSampleId :

PARK AVE -1

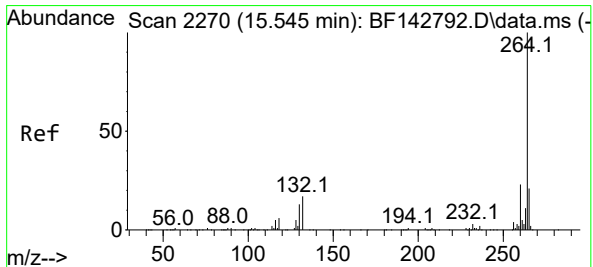
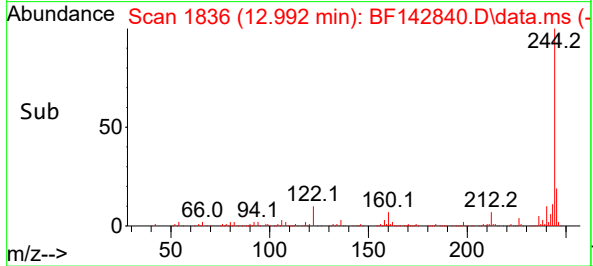
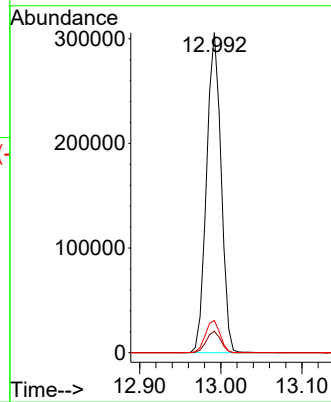
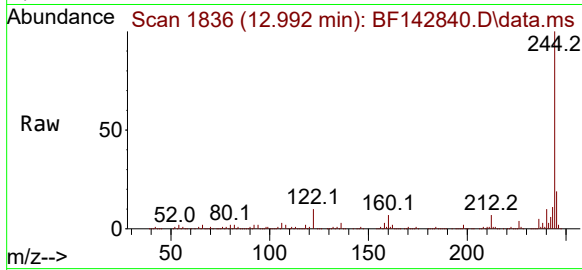
Tgt Ion:244 Resp: 379288

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: 15.545 min Scan# 2270

Delta R.T. -0.000 min

Lab File: BF142840.D

Acq: 25 Jun 2025 16:32

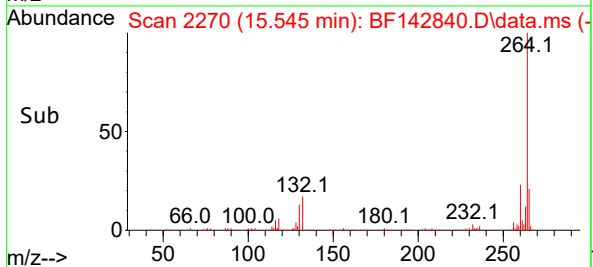
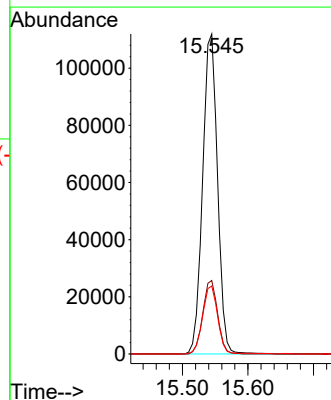
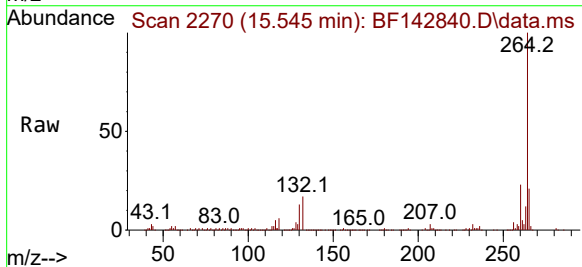
Tgt Ion:264 Resp: 177028

Ion Ratio Lower Upper

264 100

260 22.9 18.1 27.1

265 21.3 16.6 25.0



Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF062525\
 Data File : BF142840.D
 Acq On : 25 Jun 2025 16:32
 Operator : RC/JU
 Sample : Q2393-01
 Misc :
 ALS Vial : 8 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 PARK AVE -1

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

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

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

Signal : TIC: BF142840.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	97460	142817	9.38%	1.221%
2	5.492	556	561	573	rBV	974631	1267910	83.28%	10.836%
3	6.504	727	733	748	rVB	1024037	1357271	89.15%	11.600%
4	6.875	791	796	801	rBV	367671	441449	28.99%	3.773%
5	7.439	886	892	897	rBV	607079	804079	52.81%	6.872%
6	8.157	1009	1014	1019	rBV	460681	579504	38.06%	4.953%
7	9.233	1192	1197	1202	rBV	1227968	1522508	100.00%	13.012%
8	9.916	1308	1313	1318	rBV	518311	632059	41.51%	5.402%
9	10.322	1376	1382	1388	rBV2	18286	29015	1.91%	0.248%
10	10.627	1426	1434	1442	rVB	118771	155225	10.20%	1.327%
11	10.704	1442	1447	1457	rBV	688340	885444	58.16%	7.567%
12	11.404	1561	1566	1572	rBV	405657	502413	33.00%	4.294%
13	11.786	1627	1631	1635	rVB2	13594	16963	1.11%	0.145%
14	11.927	1646	1655	1676	rBV2	307102	539591	35.44%	4.612%
15	12.080	1678	1681	1693	rVB9	8484	19248	1.26%	0.164%
16	12.639	1770	1776	1781	rBV8	7402	20970	1.38%	0.179%
17	12.710	1782	1788	1801	rVV	121190	213902	14.05%	1.828%
18	12.904	1815	1821	1829	rVB	34727	68591	4.51%	0.586%
19	12.992	1831	1836	1841	rVB	801381	995379	65.38%	8.507%
20	13.598	1934	1939	1946	rVB	40254	70904	4.66%	0.606%
21	13.892	1984	1989	1999	rBV	52234	97204	6.38%	0.831%
22	14.051	2008	2016	2022	rBV	321946	416711	27.37%	3.561%
23	14.168	2030	2036	2040	rBV	56624	86551	5.68%	0.740%
24	14.510	2091	2094	2105	rVB2	12299	26028	1.71%	0.222%
25	14.651	2113	2118	2125	rBV	49302	90582	5.95%	0.774%
26	15.162	2199	2205	2211	rBV	49196	98520	6.47%	0.842%
27	15.545	2264	2270	2281	rVB	307551	508420	33.39%	4.345%
28	15.721	2295	2300	2307	rBV	34771	66542	4.37%	0.569%
29	16.374	2407	2411	2421	rVB2	18046	45150	2.97%	0.386%

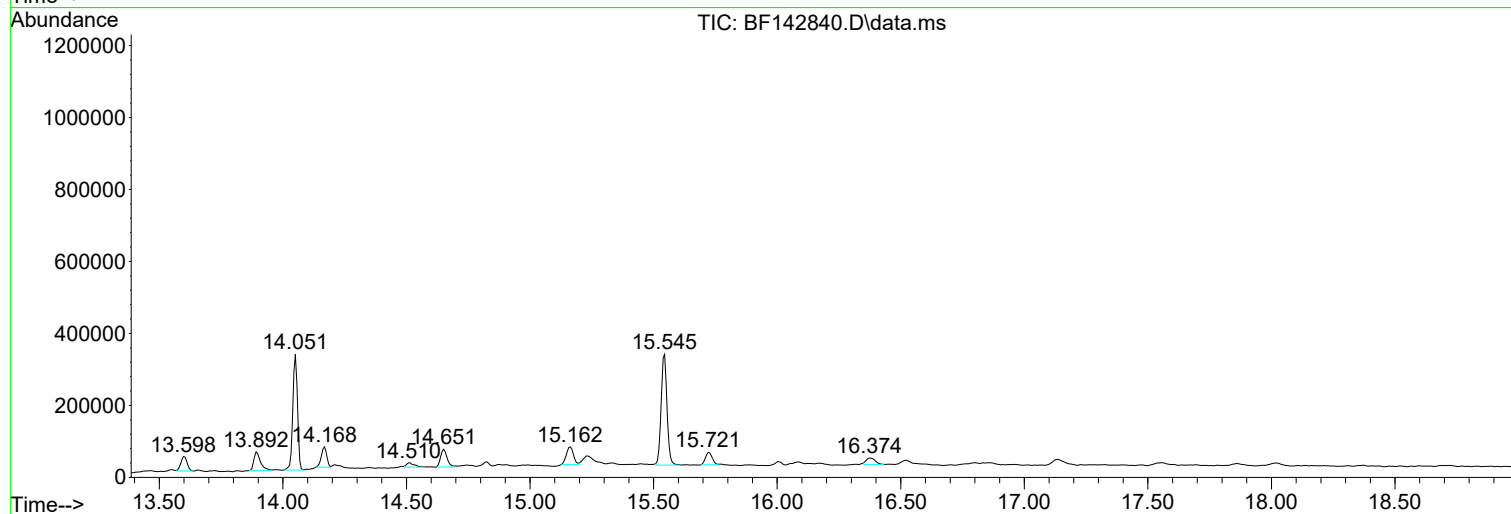
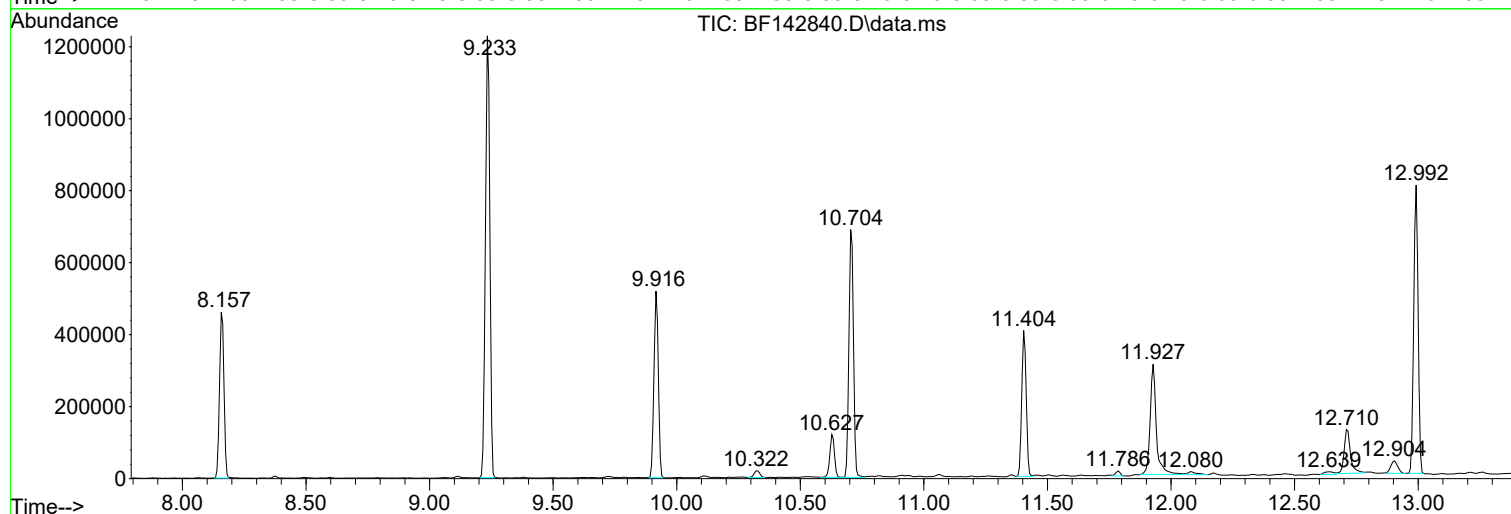
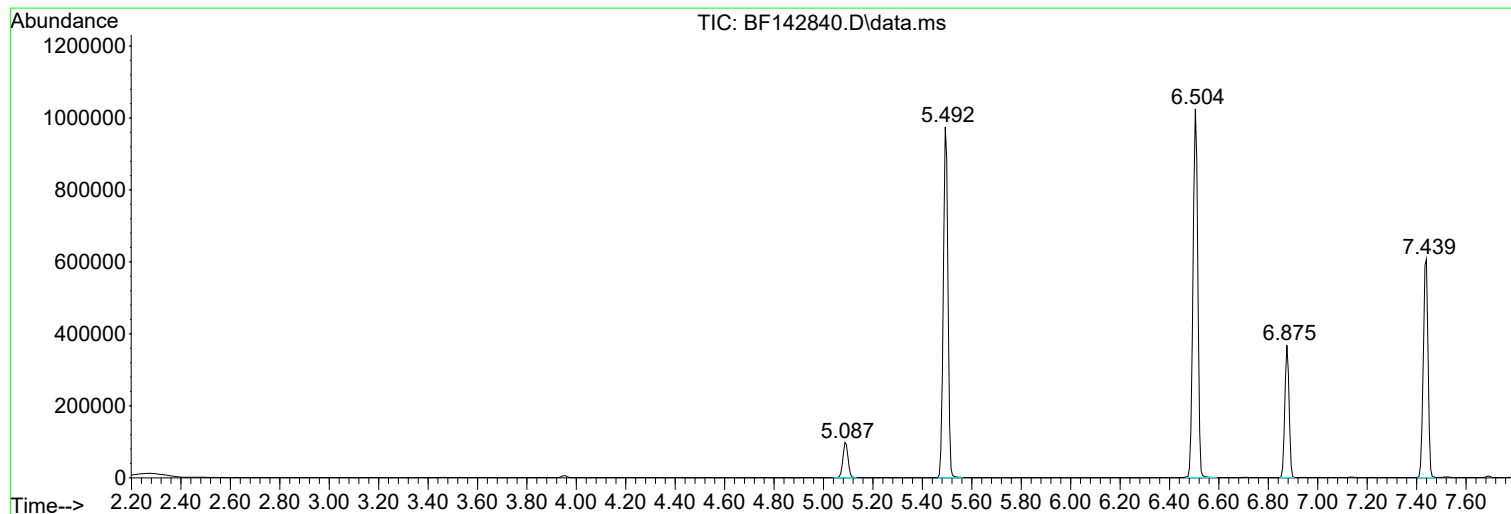
Sum of corrected areas: 11700950

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF062525\
Data File : BF142840.D
Acq On : 25 Jun 2025 16:32
Operator : RC/JU
Sample : Q2393-01
Misc :
ALS Vial : 8 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
PARK AVE -1

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\BF062525\
Data File : BF142840.D
Acq On : 25 Jun 2025 16:32
Operator : RC/JU
Sample : Q2393-01
Misc :
ALS Vial : 8 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
PARK AVE -1

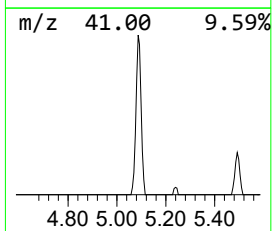
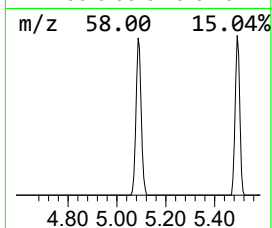
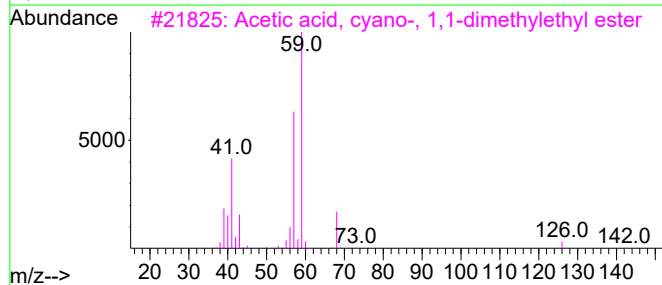
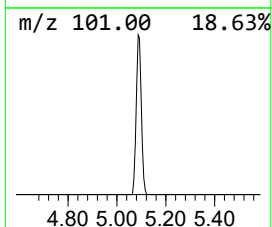
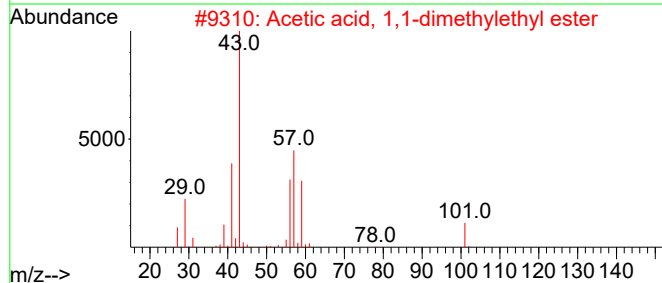
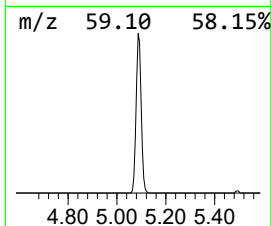
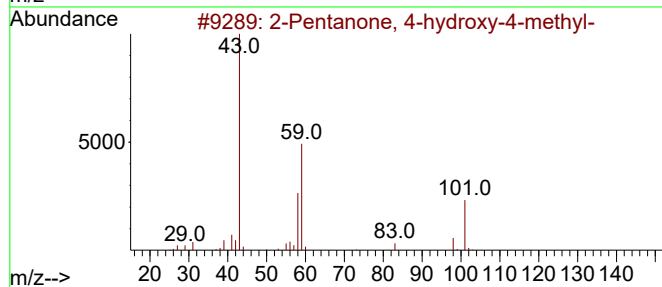
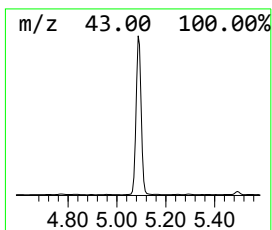
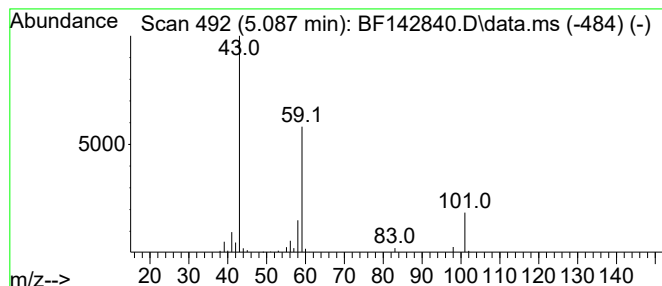
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF061925.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 1 2-Pentanone, 4-hydroxy-4-me... Concentration Rank 3

R.T.	EstConc	Area	Relative to ISTD	R.T.
5.087	6.47 ng	142817	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	28		
3	Acetic acid, cyano-, 1,1-dimethy...	141	C7H11NO2	001116-98-9	23		
4	1-Propen-2-ol, acetate	100	C5H8O2	000108-22-5	12		
5	2,3-Butanedione, monooxime	101	C4H7NO2	000057-71-6	9		



Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF062525\
Data File : BF142840.D
Acq On : 25 Jun 2025 16:32
Operator : RC/JU
Sample : Q2393-01
Misc :
ALS Vial : 8 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
PARK AVE -1

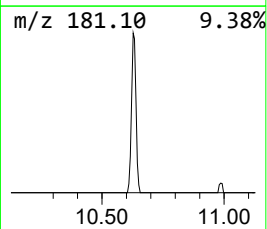
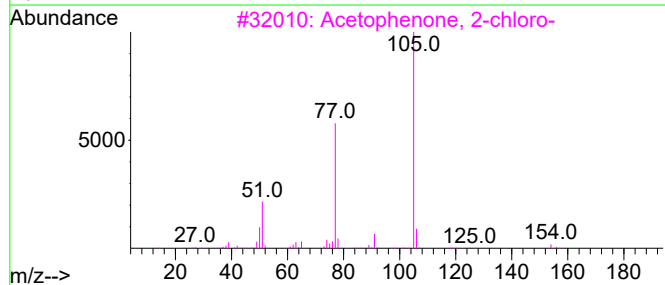
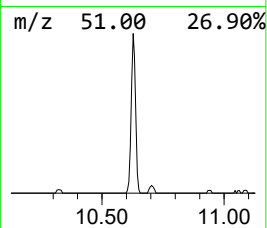
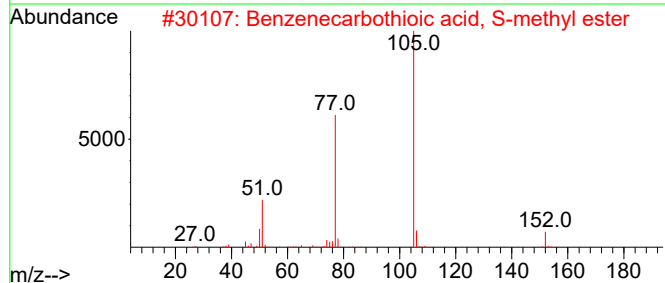
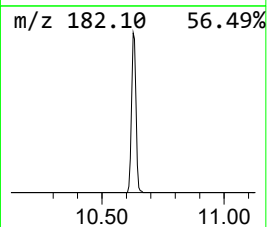
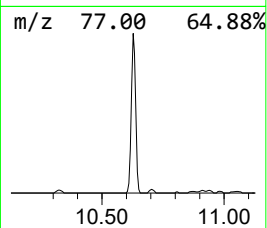
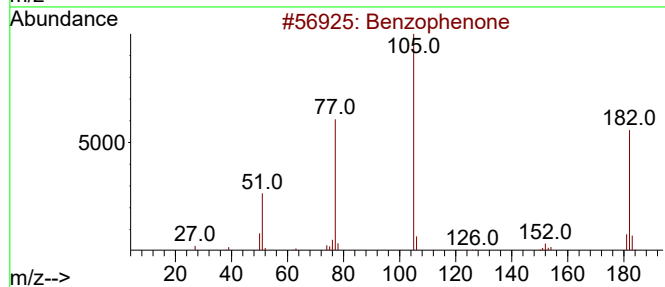
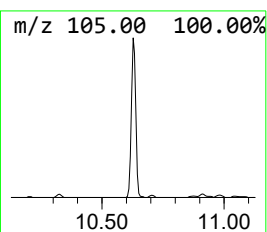
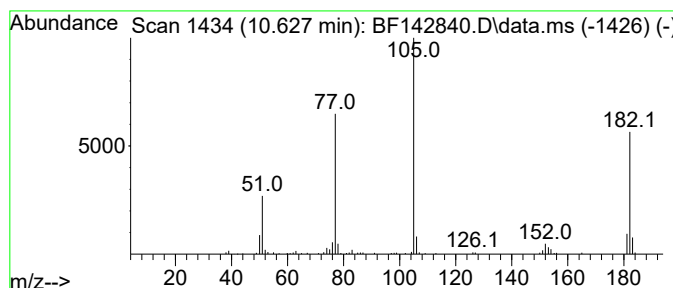
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF061925.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 2 Benzophenone Concentration Rank 4

R.T.	EstConc	Area	Relative to ISTD	R.T.
10.627	4.91 ng	155225	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	53
3			Acetophenone, 2-chloro-	154	C8H7ClO	000532-27-4	49
4			N-Methoxy-N-methylbenzamide	165	C9H11NO2	006919-61-5	47
5			Benzenepropanenitrile, .beta.-oxo-	145	C9H7NO	000614-16-4	47



Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF062525\
Data File : BF142840.D
Acq On : 25 Jun 2025 16:32
Operator : RC/JU
Sample : Q2393-01
Misc :
ALS Vial : 8 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
PARK AVE -1

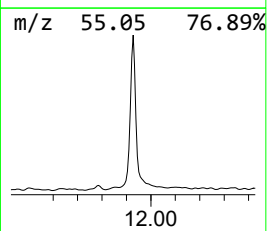
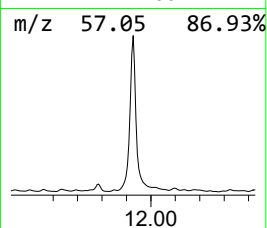
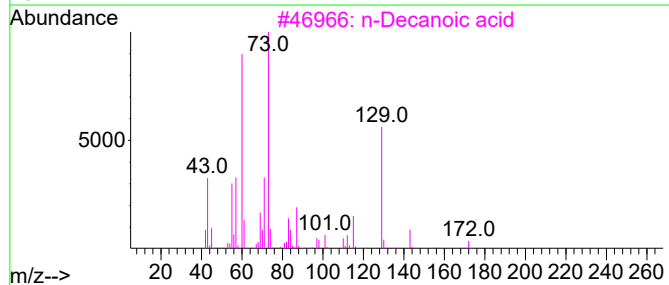
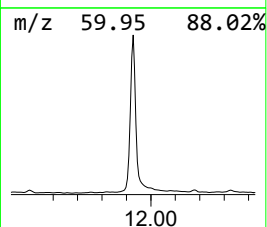
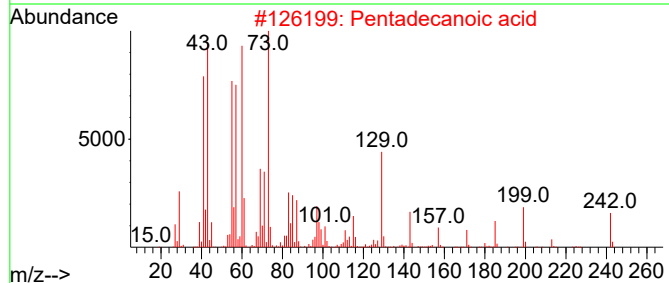
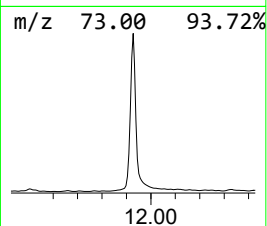
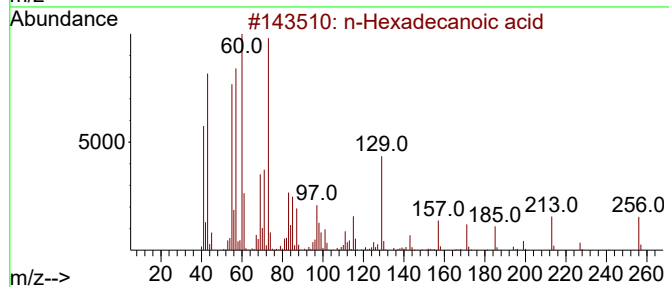
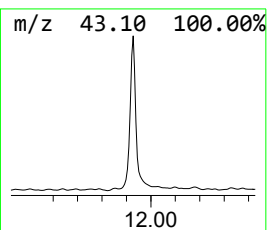
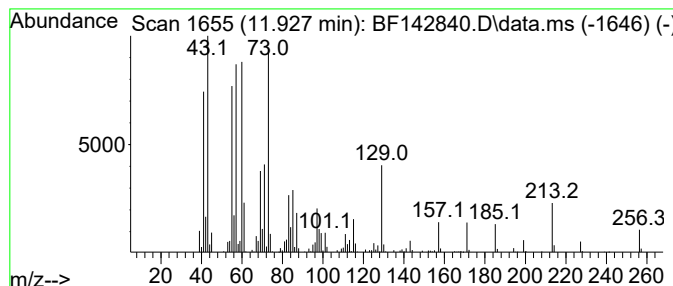
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 3 n-Hexadecanoic acid Concentration Rank 1

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.927	21.48 ng	539591	Phenanthrene-d10	11.404

Hit#	of	5	Tentative ID	MW	MolForm	CAS#	Qual
1			n-Hexadecanoic acid	256	C16H32O2	000057-10-3	99
2			Pentadecanoic acid	242	C15H30O2	001002-84-2	91
3			n-Decanoic acid	172	C10H20O2	000334-48-5	70
4			Tridecanoic acid	214	C13H26O2	000638-53-9	70
5			Undecanoic acid	186	C11H22O2	000112-37-8	58



Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF062525\
Data File : BF142840.D
Acq On : 25 Jun 2025 16:32
Operator : RC/JU
Sample : Q2393-01
Misc :
ALS Vial : 8 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
PARK AVE -1

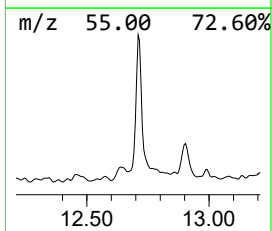
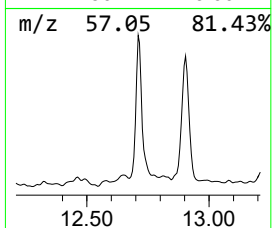
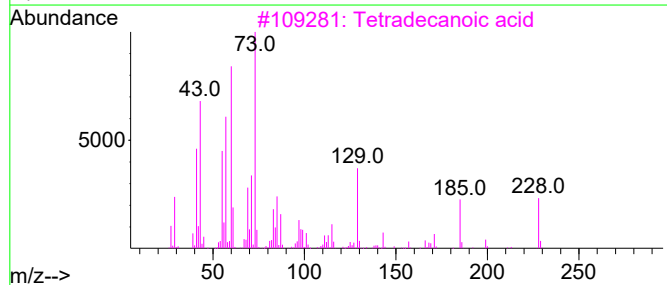
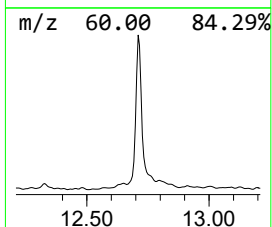
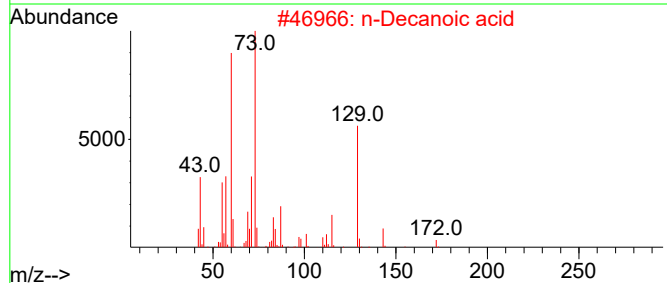
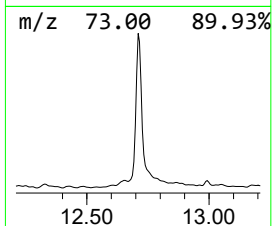
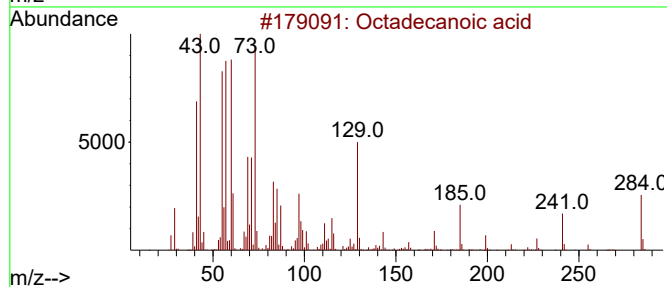
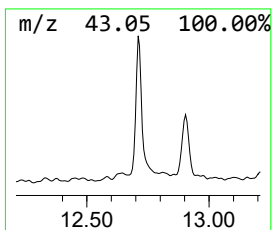
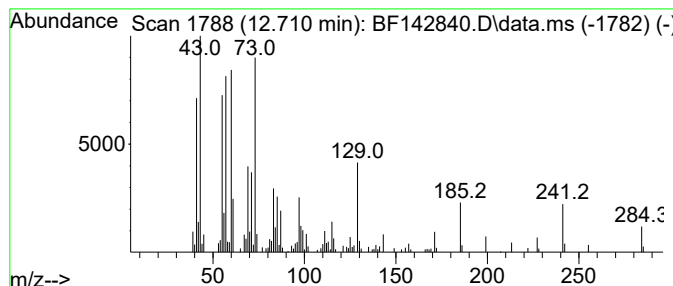
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 4 Octadecanoic acid Concentration Rank 2

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.710	8.51 ng	213902	Phenanthrene-d10	11.404

Hit#	of	5	Tentative ID	MW	MolForm	CAS#	Qual
1			Octadecanoic acid	284	C18H36O2	000057-11-4	99
2			n-Decanoic acid	172	C10H20O2	000334-48-5	92
3			Tetradecanoic acid	228	C14H28O2	000544-63-8	87
4			n-Hexadecanoic acid	256	C16H32O2	000057-10-3	74
5			Octadecanoic acid, 2-(2-hydroxye...	372	C22H44O4	000106-11-6	72



Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF062525\
Data File : BF142840.D
Acq On : 25 Jun 2025 16:32
Operator : RC/JU
Sample : Q2393-01
Misc :
ALS Vial : 8 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
PARK AVE -1

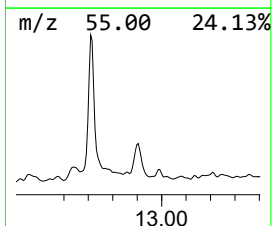
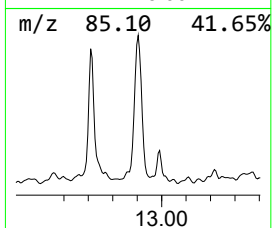
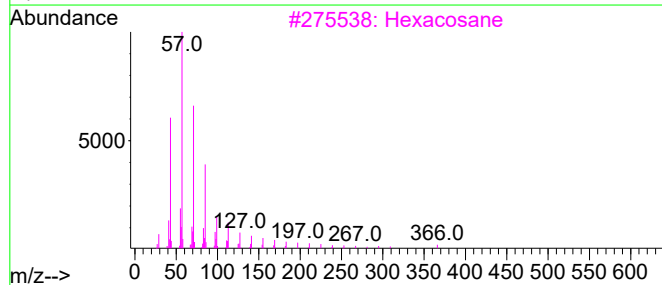
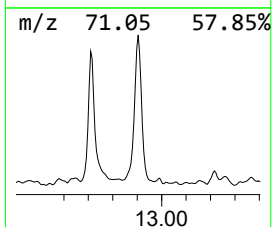
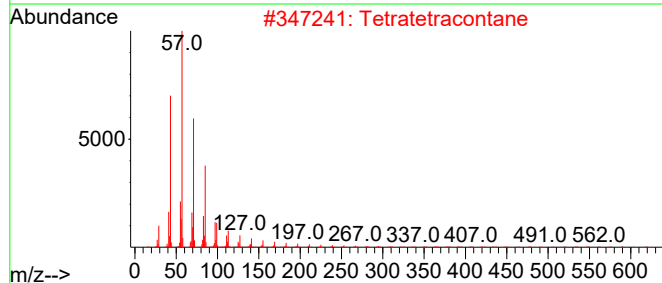
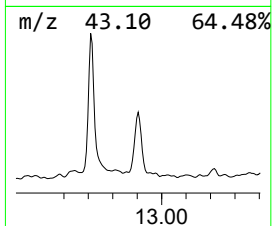
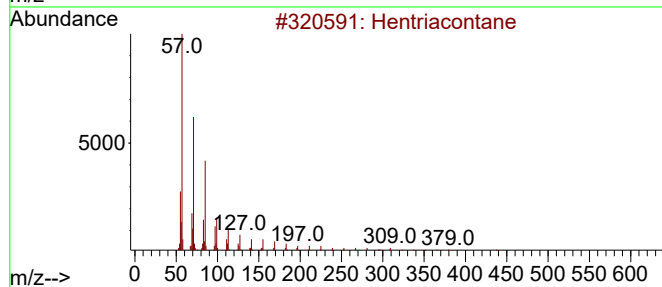
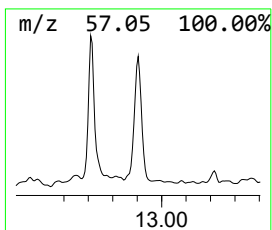
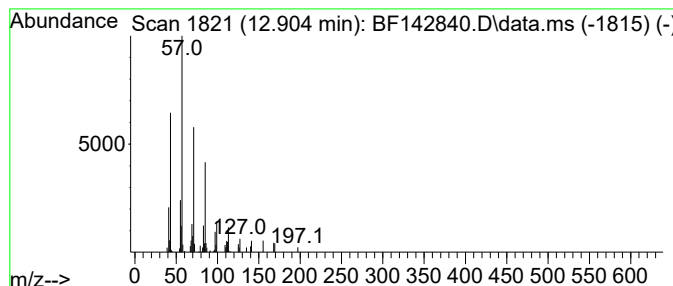
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 5 Hentriacontane Concentration Rank 10

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.904	3.29 ng	68591	Chrysene-d12	14.051

Hit#	of	5	Tentative ID	MW	MolForm	CAS#	Qual
1			Hentriacontane	437	C31H64	000630-04-6	91
2			Tetratetracontane	619	C44H90	007098-22-8	91
3			Hexacosane	366	C26H54	000630-01-3	91
4			Pentacosane	352	C25H52	000629-99-2	91
5			Octacosane, 2-methyl-	408	C29H60	001560-98-1	91



Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF062525\
Data File : BF142840.D
Acq On : 25 Jun 2025 16:32
Operator : RC/JU
Sample : Q2393-01
Misc :
ALS Vial : 8 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
PARK AVE -1

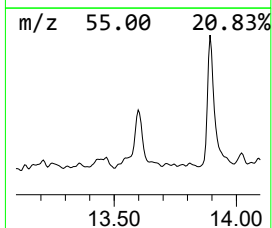
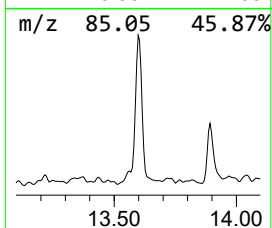
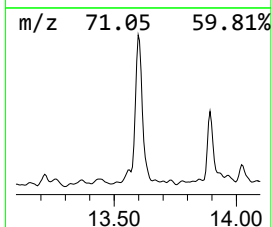
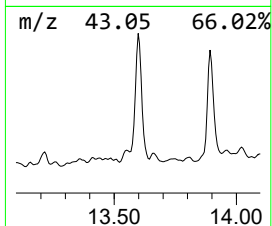
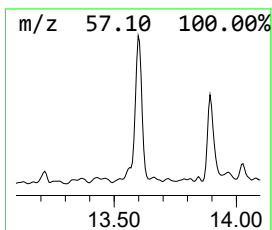
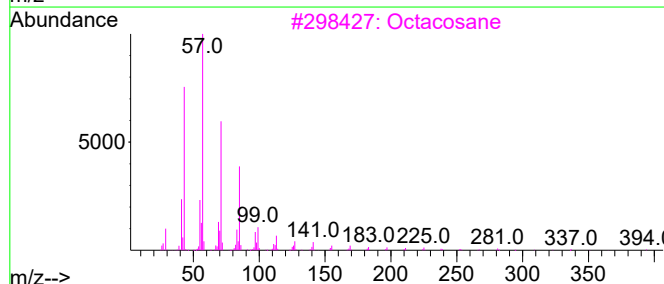
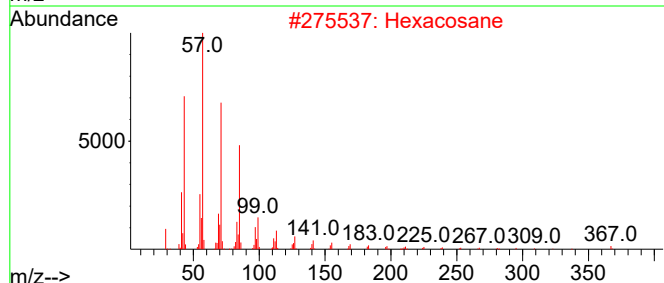
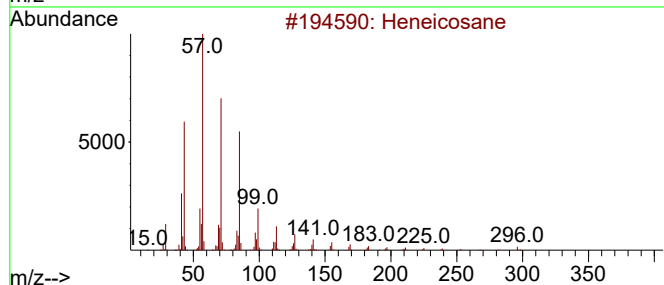
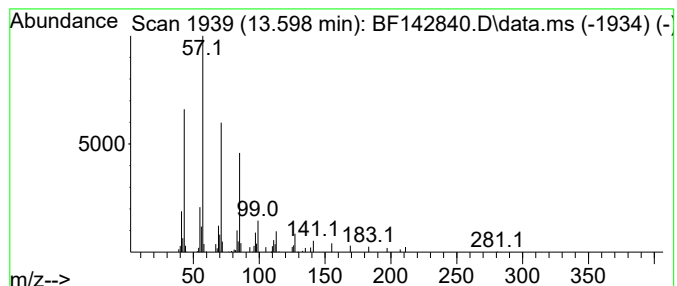
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 6 Heneicosane Concentration Rank 9

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.598	3.40 ng	70904	Chrysene-d12	14.051

Hit#	of 5	Tentative ID	MW	MolForm	CAS#	Qual
1		Heneicosane	296	C21H44	000629-94-7	91
2		Hexacosane	366	C26H54	000630-01-3	91
3		Octacosane	394	C28H58	000630-02-4	91
4		Heptadecane, 9-octyl-	352	C25H52	007225-64-1	91
5		Hentriacontane	437	C31H64	000630-04-6	91



Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF062525\
Data File : BF142840.D
Acq On : 25 Jun 2025 16:32
Operator : RC/JU
Sample : Q2393-01
Misc :
ALS Vial : 8 Sample Multiplier: 1

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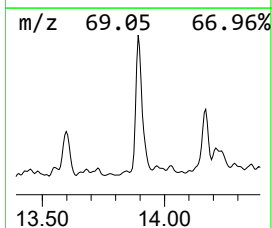
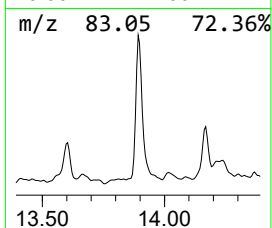
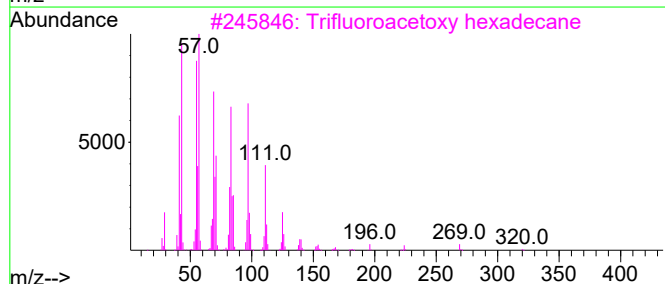
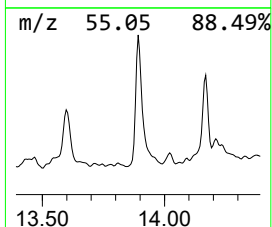
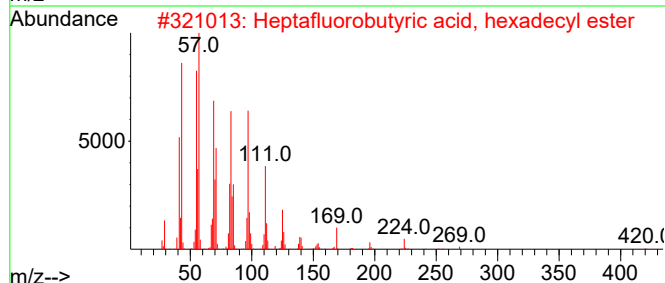
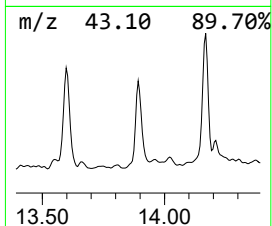
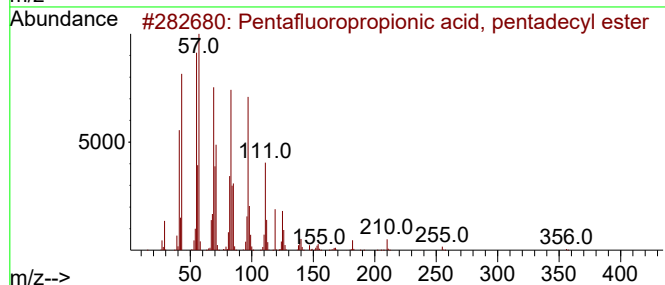
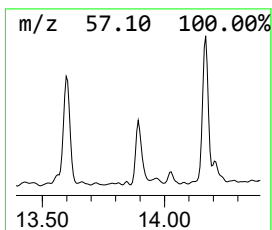
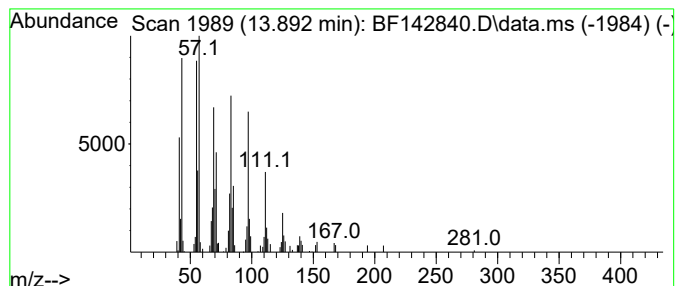
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 7 Pentafluoropropionic acid, ... Concentration Rank 5

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.892	4.67 ng	97204	Chrysene-d12	14.051

Hit#	of	5	Tentative ID	MW	MolForm	CAS#	Qual
1			Pentafluoropropionic acid, penta...	374	C18H31F5O2	959092-08-1	95
2			Heptafluorobutyric acid, hexadec...	438	C20H33F7O2	006385-15-5	95
3			Trifluoroacetoxy hexadecane	338	C18H33F3O2	006222-03-3	95
4			Heptafluorobutyric acid, pentade...	424	C19H31F7O2	959261-23-5	95
5			1-Hexacosene	364	C26H52	018835-33-1	95



Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF062525\
Data File : BF142840.D
Acq On : 25 Jun 2025 16:32
Operator : RC/JU
Sample : Q2393-01
Misc :
ALS Vial : 8 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
PARK AVE -1

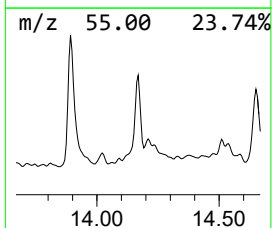
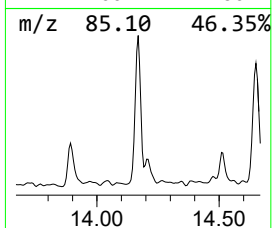
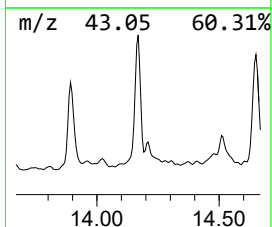
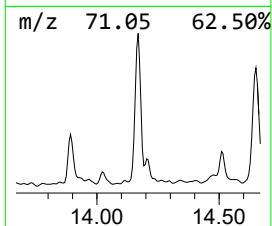
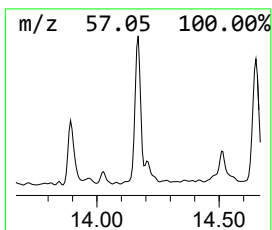
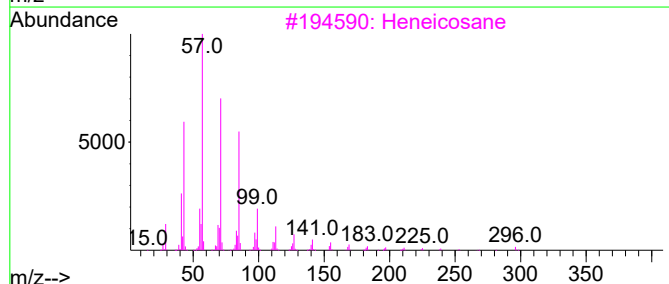
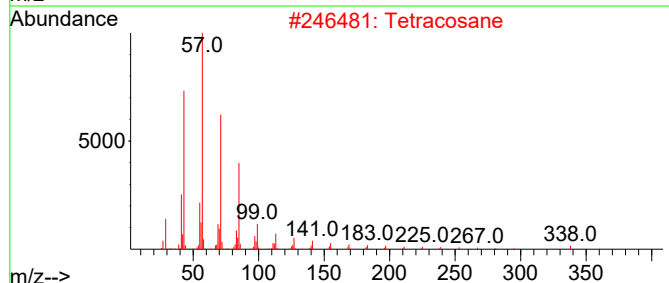
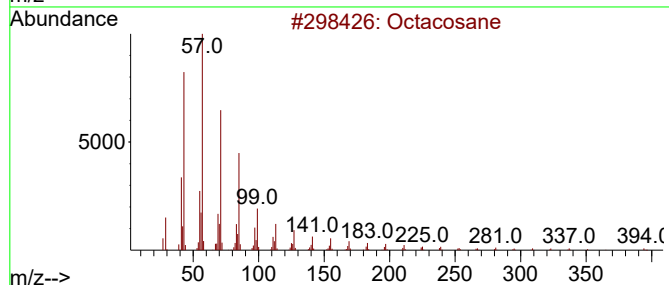
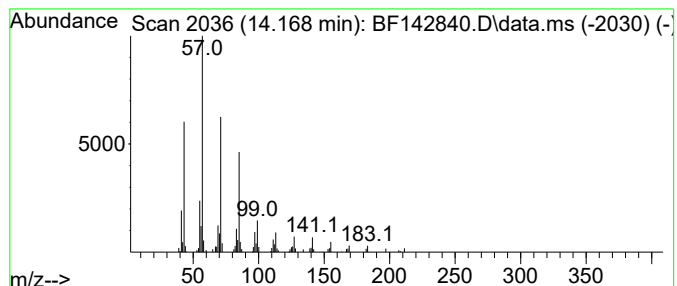
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 8 Octacosane Concentration Rank 7

R.T.	EstConc	Area	Relative to ISTD	R.T.
14.168	4.15 ng	86551	Chrysene-d12	14.051

Hit#	of 5	Tentative ID	MW	MolForm	CAS#	Qual
1		Octacosane	394	C28H58	000630-02-4	91
2		Tetracosane	338	C24H50	000646-31-1	91
3		Heneicosane	296	C21H44	000629-94-7	91
4		Hexacosane	366	C26H54	000630-01-3	91
5		Triacontane	422	C30H62	000638-68-6	91



Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF062525\
Data File : BF142840.D
Acq On : 25 Jun 2025 16:32
Operator : RC/JU
Sample : Q2393-01
Misc :
ALS Vial : 8 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
PARK AVE -1

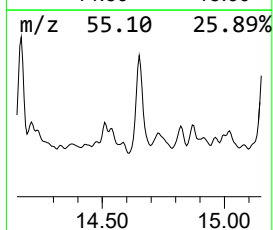
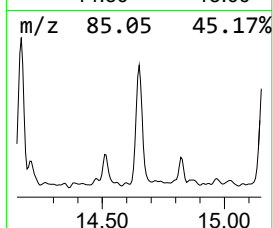
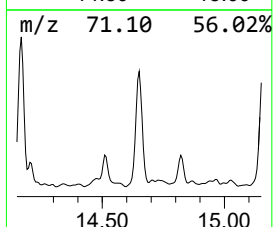
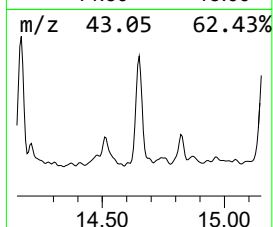
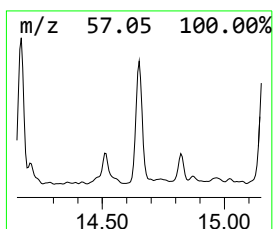
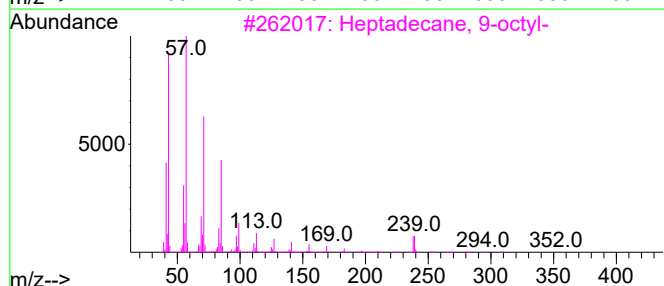
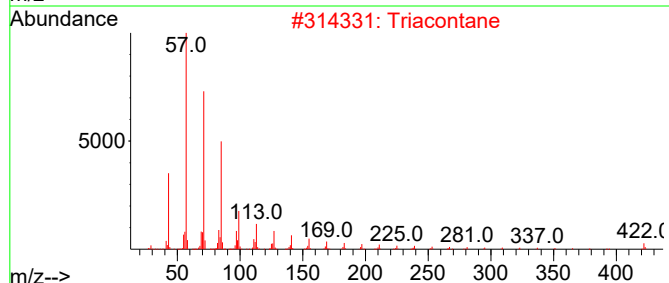
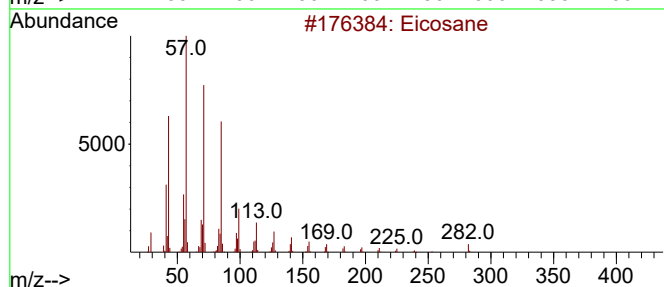
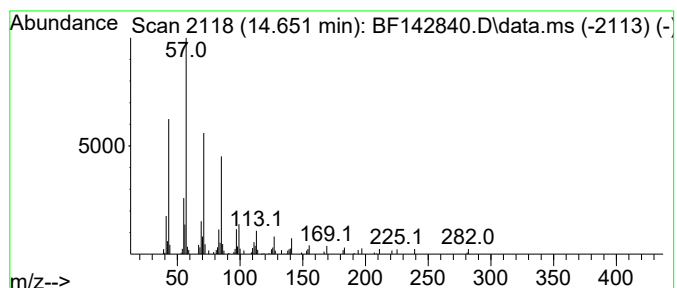
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 9 Eicosane Concentration Rank 6

R.T.	EstConc	Area	Relative to ISTD	R.T.
14.651	4.35 ng	90582	Chrysene-d12	14.051

Hit#	of	5	Tentative ID	MW	MolForm	CAS#	Qual
1			Eicosane	282	C20H42	000112-95-8	97
2			Triacontane	422	C30H62	000638-68-6	91
3			Heptadecane, 9-octyl-	352	C25H52	007225-64-1	91
4			Octacosane, 2-methyl-	408	C29H60	001560-98-1	91
5			Hentriacontane	437	C31H64	000630-04-6	91



Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF062525\
Data File : BF142840.D
Acq On : 25 Jun 2025 16:32
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Misc :
ALS Vial : 8 Sample Multiplier: 1

Instrument :
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ClientSampleId :
PARK AVE -1

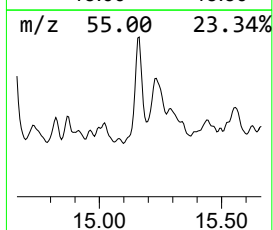
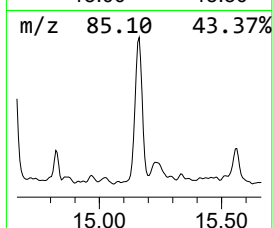
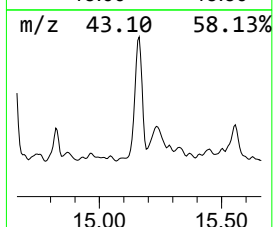
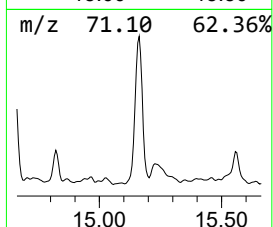
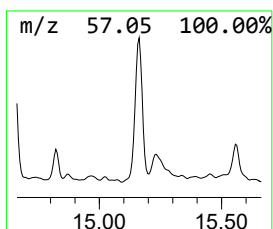
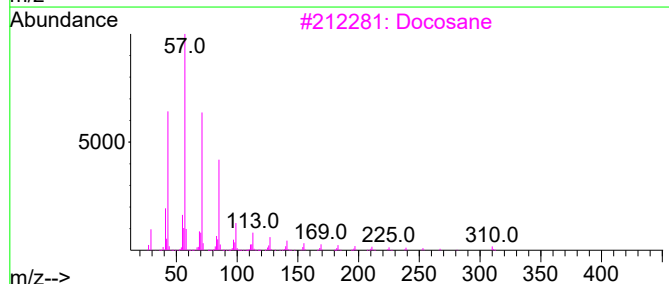
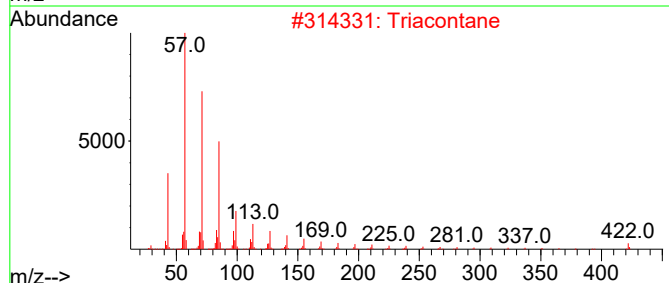
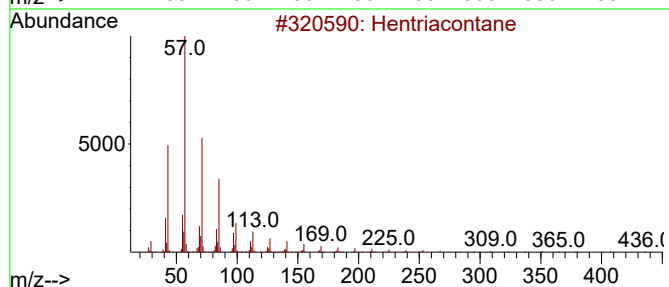
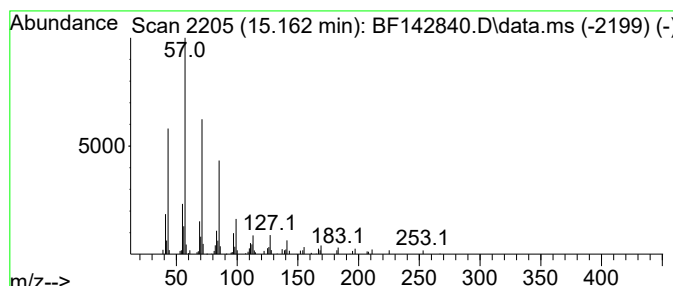
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF061925.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 10 Triacontane Concentration Rank 8

R.T.	EstConc	Area	Relative to ISTD	R.T.
15.162	3.88 ng	98520	Perylene-d12	15.545

Hit#	of	5	Tentative ID	MW	MolForm	CAS#	Qual
1			Hentriacontane	437	C31H64	000630-04-6	91
2			Triacontane	422	C30H62	000638-68-6	91
3			Docosane	310	C22H46	000629-97-0	91
4			Octacosane, 2-methyl-	408	C29H60	001560-98-1	91
5			Octacosane	394	C28H58	000630-02-4	91



Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF062525\
Data File : BF142840.D
Acq On : 25 Jun 2025 16:32
Operator : RC/JU
Sample : Q2393-01
Misc :
ALS Vial : 8 Sample Multiplier: 1

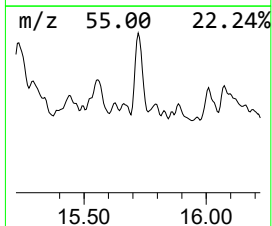
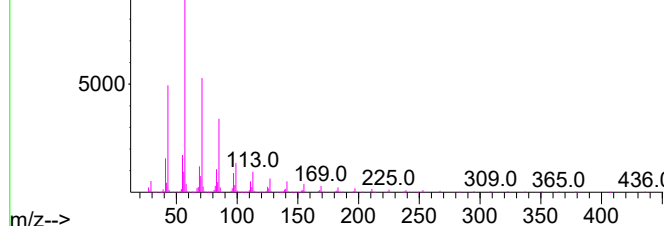
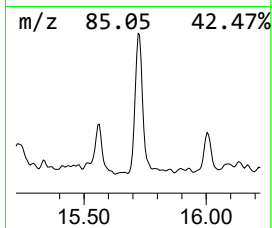
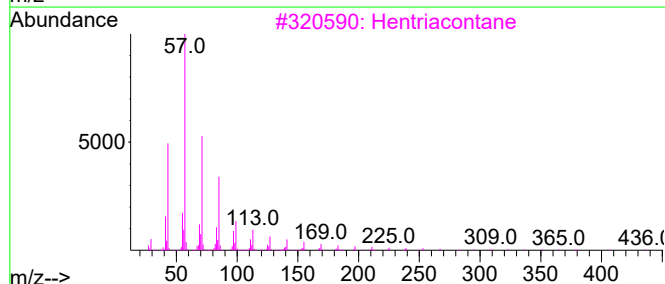
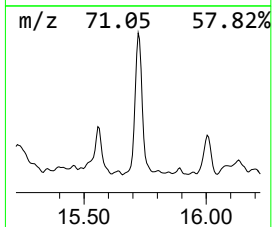
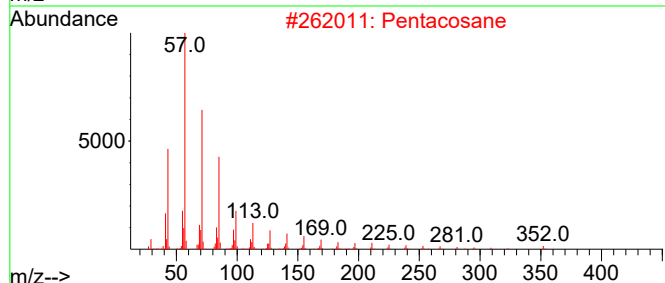
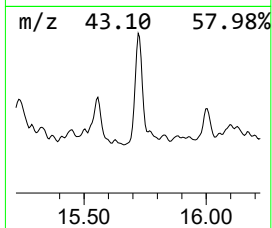
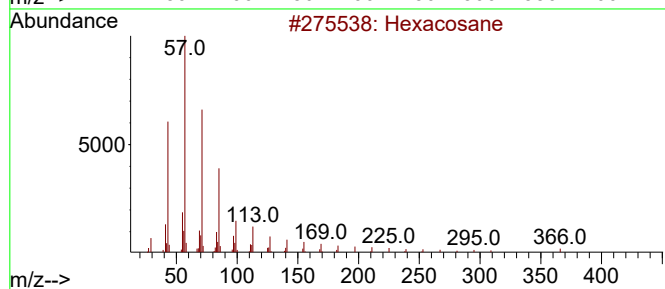
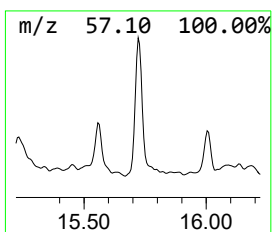
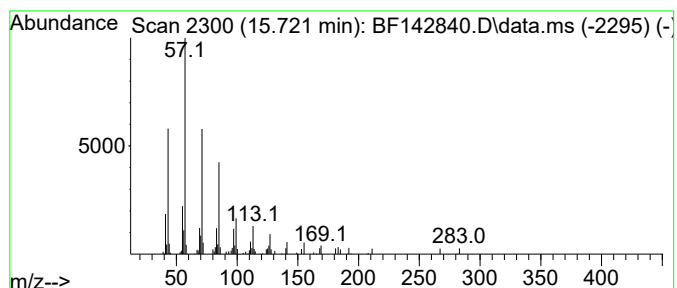
Instrument :
BNA_F
ClientSampleId :
PARK AVE -1

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 11 Hexacosane Concentration Rank 11

R.T.	EstConc	Area	Relative to ISTD	R.T.	
15.721	2.62 ng	66542	Perylene-d12	15.545	
Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Hexacosane	366	C26H54	000630-01-3	91
2	Pentacosane	352	C25H52	000629-99-2	91
3	Hentriacontane	437	C31H64	000630-04-6	91
4	Heptacosane	380	C27H56	000593-49-7	91
5	Triacontane	422	C30H62	000638-68-6	91



Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF062525\
Data File : BF142840.D
Acq On : 25 Jun 2025 16:32
Operator : RC/JU
Sample : Q2393-01
Misc :
ALS Vial : 8 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
PARK AVE -1

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

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

TIC Top Hit name	RT	EstConc	Units	Response	--Internal Standard--			
					#	RT	Resp	Conc
2-Pentanone, 4-...	5.087	6.5	ng	142817	1	6.875	441449	20.0
Benzophenone	10.627	4.9	ng	155225	3	9.916	632059	20.0
n-Hexadecanoic ...	11.927	21.5	ng	539591	4	11.404	502413	20.0
Octadecanoic acid	12.710	8.5	ng	213902	4	11.404	502413	20.0
Hentriacontane	12.904	3.3	ng	68591	5	14.051	416711	20.0
Heneicosane	13.598	3.4	ng	70904	5	14.051	416711	20.0
Pentafluoroprop...	13.892	4.7	ng	97204	5	14.051	416711	20.0
Octacosane	14.168	4.2	ng	86551	5	14.051	416711	20.0
Eicosane	14.651	4.3	ng	90582	5	14.051	416711	20.0
Triacontane	15.162	3.9	ng	98520	6	15.545	508420	20.0
Hexacosane	15.721	2.6	ng	66542	6	15.545	508420	20.0

Report of Analysis

Client:	Union Paving & Construction Company	Date Collected:	06/23/25
Project:	190 Park Ave Hanover Twp NJ - PO 2556-001	Date Received:	06/23/25
Client Sample ID:	PARK AVE -2	SDG No.:	Q2393
Lab Sample ID:	Q2393-03	Matrix:	SOIL
Analytical Method:	8270E	% Solid:	83.5
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
BF142841.D	1	06/24/25 13:00	06/25/25 17:02	PB168601

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	26.5	U	26.5	200	ug/Kg
111-44-4	bis(2-Chloroethyl)ether	29.1	U	29.1	200	ug/Kg
95-57-8	2-Chlorophenol	29.2	U	29.2	200	ug/Kg
95-48-7	2-Methylphenol	35.8	U	35.8	200	ug/Kg
108-60-1	2,2-oxybis(1-Chloropropane)	44.9	U	44.9	200	ug/Kg
98-86-2	Acetophenone	35.3	U	35.3	200	ug/Kg
65794-96-9	3+4-Methylphenols	49.2	U	49.2	400	ug/Kg
621-64-7	n-Nitroso-di-n-propylamine	56.7	U	56.7	95.8	ug/Kg
67-72-1	Hexachloroethane	21.1	U	21.1	200	ug/Kg
98-95-3	Nitrobenzene	21.9	U	21.9	200	ug/Kg
78-59-1	Isophorone	39.3	U	39.3	200	ug/Kg
88-75-5	2-Nitrophenol	69.7	U	69.7	200	ug/Kg
105-67-9	2,4-Dimethylphenol	77.6	U	77.6	200	ug/Kg
111-91-1	bis(2-Chloroethoxy)methane	36.9	U	36.9	200	ug/Kg
120-83-2	2,4-Dichlorophenol	33.9	U	33.9	200	ug/Kg
91-20-3	Naphthalene	27.2	U	27.2	200	ug/Kg
106-47-8	4-Chloroaniline	42.4	U	42.4	200	ug/Kg
87-68-3	Hexachlorobutadiene	30.3	U	30.3	200	ug/Kg
105-60-2	Caprolactam	62.4	U	62.4	400	ug/Kg
59-50-7	4-Chloro-3-methylphenol	34.4	U	34.4	200	ug/Kg
91-57-6	2-Methylnaphthalene	30.6	U	30.6	200	ug/Kg
77-47-4	Hexachlorocyclopentadiene	140	U	140	400	ug/Kg
88-06-2	2,4,6-Trichlorophenol	23.7	U	23.7	200	ug/Kg
95-95-4	2,4,5-Trichlorophenol	34.8	U	34.8	200	ug/Kg
92-52-4	1,1-Biphenyl	26.1	U	26.1	200	ug/Kg
91-58-7	2-Chloronaphthalene	26.9	U	26.9	200	ug/Kg
88-74-4	2-Nitroaniline	57.6	U	57.6	200	ug/Kg
131-11-3	Dimethylphthalate	32.4	U	32.4	200	ug/Kg

Report of Analysis

Client:	Union Paving & Construction Company	Date Collected:	06/23/25
Project:	190 Park Ave Hanover Twp NJ - PO 2556-001	Date Received:	06/23/25
Client Sample ID:	PARK AVE -2	SDG No.:	Q2393
Lab Sample ID:	Q2393-03	Matrix:	SOIL
Analytical Method:	8270E	% Solid:	83.5
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
BF142841.D	1	06/24/25 13:00	06/25/25 17:02	PB168601

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units(Dry Weight)
208-96-8	Acenaphthylene	34.6	U	34.6	200	ug/Kg
606-20-2	2,6-Dinitrotoluene	40.2	U	40.2	200	ug/Kg
99-09-2	3-Nitroaniline	55.1	U	55.1	200	ug/Kg
83-32-9	Acenaphthene	25.5	U	25.5	200	ug/Kg
51-28-5	2,4-Dinitrophenol	270	U	270	400	ug/Kg
100-02-7	4-Nitrophenol	130	U	130	400	ug/Kg
132-64-9	Dibenzofuran	27.2	U	27.2	200	ug/Kg
121-14-2	2,4-Dinitrotoluene	60.0	U	60.0	200	ug/Kg
84-66-2	Diethylphthalate	33.9	U	33.9	200	ug/Kg
7005-72-3	4-Chlorophenyl-phenylether	32.0	U	32.0	200	ug/Kg
86-73-7	Fluorene	30.3	U	30.3	200	ug/Kg
100-01-6	4-Nitroaniline	76.9	U	76.9	200	ug/Kg
534-52-1	4,6-Dinitro-2-methylphenol	120	U	120	400	ug/Kg
86-30-6	n-Nitrosodiphenylamine	39.4	U	39.4	200	ug/Kg
101-55-3	4-Bromophenyl-phenylether	33.3	U	33.3	200	ug/Kg
118-74-1	Hexachlorobenzene	30.3	U	30.3	200	ug/Kg
1912-24-9	Atrazine	40.7	U	40.7	200	ug/Kg
87-86-5	Pentachlorophenol	61.4	U	61.4	400	ug/Kg
85-01-8	Phenanthrene	25.0	U	25.0	200	ug/Kg
120-12-7	Anthracene	39.9	U	39.9	200	ug/Kg
86-74-8	Carbazole	37.4	U	37.4	200	ug/Kg
84-74-2	Di-n-butylphthalate	57.3	U	57.3	200	ug/Kg
206-44-0	Fluoranthene	35.9	U	35.9	200	ug/Kg
129-00-0	Pyrene	43.1	U	43.1	200	ug/Kg
85-68-7	Butylbenzylphthalate	85.5	UQ	85.5	200	ug/Kg
91-94-1	3,3-Dichlorobenzidine	43.9	UQ	43.9	400	ug/Kg
56-55-3	Benzo(a)anthracene	27.5	U	27.5	200	ug/Kg
218-01-9	Chrysene	23.8	U	23.8	200	ug/Kg
117-81-7	Bis(2-ethylhexyl)phthalate	70.9	U	70.9	200	ug/Kg
117-84-0	Di-n-octyl phthalate	100	U	100	400	ug/Kg
205-99-2	Benzo(b)fluoranthene	22.7	U	22.7	200	ug/Kg

Report of Analysis

Client:	Union Paving & Construction Company	Date Collected:	06/23/25
Project:	190 Park Ave Hanover Twp NJ - PO 2556-001	Date Received:	06/23/25
Client Sample ID:	PARK AVE -2	SDG No.:	Q2393
Lab Sample ID:	Q2393-03	Matrix:	SOIL
Analytical Method:	8270E	% Solid:	83.5
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
BF142841.D	1	06/24/25 13:00	06/25/25 17:02	PB168601

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units(Dry Weight)
207-08-9	Benzo(k)fluoranthene	26.8	U	26.8	200	ug/Kg
50-32-8	Benzo(a)pyrene	35.3	U	35.3	200	ug/Kg
193-39-5	Indeno(1,2,3-cd)pyrene	34.8	U	34.8	200	ug/Kg
53-70-3	Dibenzo(a,h)anthracene	32.8	U	32.8	200	ug/Kg
191-24-2	Benzo(g,h,i)perylene	30.8	U	30.8	200	ug/Kg
95-94-3	1,2,4,5-Tetrachlorobenzene	30.6	U	30.6	200	ug/Kg
123-91-1	1,4-Dioxane	54.1	U	54.1	200	ug/Kg
58-90-2	2,3,4,6-Tetrachlorophenol	32.8	U	32.8	200	ug/Kg
SURROGATES						
367-12-4	2-Fluorophenol	78.7		18 - 112	52%	SPK: 150
13127-88-3	Phenol-d6	86.0		15 - 107	57%	SPK: 150
4165-60-0	Nitrobenzene-d5	47.4		18 - 107	47%	SPK: 100
321-60-8	2-Fluorobiphenyl	42.7		20 - 109	43%	SPK: 100
118-79-6	2,4,6-Tribromophenol	73.5		10 - 116	49%	SPK: 150
1718-51-0	Terphenyl-d14	32.6		10 - 105	33%	SPK: 100
INTERNAL STANDARDS						
3855-82-1	1,4-Dichlorobenzene-d4	79700	6.875			
1146-65-2	Naphthalene-d8	306000	8.157			
15067-26-2	Acenaphthene-d10	156000	9.916			
1517-22-2	Phenanthrene-d10	223000	11.404			
1719-03-5	Chrysene-d12	158000	14.051			
1520-96-3	Perylene-d12	180000	15.545			
TENTATIVE IDENTIFIED COMPOUNDS						
000123-42-2	2-Pentanone, 4-hydroxy-4-methyl-	270	AB		5.09	ug/Kg
000119-61-9	Benzophenone	170	J		10.6	ug/Kg
000057-10-3	n-Hexadecanoic acid	340	J		11.9	ug/Kg
959085-66-6	Heptadecyl heptafluorobutyrate	170	J		13.9	ug/Kg

Report of Analysis

Client:	Union Paving & Construction Company	Date Collected:	06/23/25
Project:	190 Park Ave Hanover Twp NJ - PO 2556-001	Date Received:	06/23/25
Client Sample ID:	PARK AVE -2	SDG No.:	Q2393
Lab Sample ID:	Q2393-03	Matrix:	SOIL
Analytical Method:	8270E	% Solid:	83.5
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
BF142841.D	1	06/24/25 13:00	06/25/25 17:02	PB168601

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\BF062525\
Data File : BF142841.D
Acq On : 25 Jun 2025 17:02
Operator : RC/JU
Sample : Q2393-03
Misc :
ALS Vial : 9 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
PARK AVE -2

Quant Time: Jun 25 17:42:11 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	79690	20.000	ng	0.00
21) Naphthalene-d8	8.157	136	305909	20.000	ng	-0.01
39) Acenaphthene-d10	9.916	164	156047	20.000	ng	0.00
64) Phenanthrene-d10	11.404	188	222655	20.000	ng	0.00
76) Chrysene-d12	14.051	240	158233	20.000	ng	0.00
86) Perylene-d12	15.545	264	179947	20.000	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.492	112	376919	78.748	ng	0.00
7) Phenol-d6	6.504	99	485476	85.970	ng	0.00
23) Nitrobenzene-d5	7.439	82	264621	47.448	ng	0.00
42) 2,4,6-Tribromophenol	10.710	330	118063	73.521	ng	0.00
45) 2-Fluorobiphenyl	9.233	172	507303	42.707	ng	-0.01
79) Terphenyl-d14	12.992	244	373474	32.612	ng	0.00

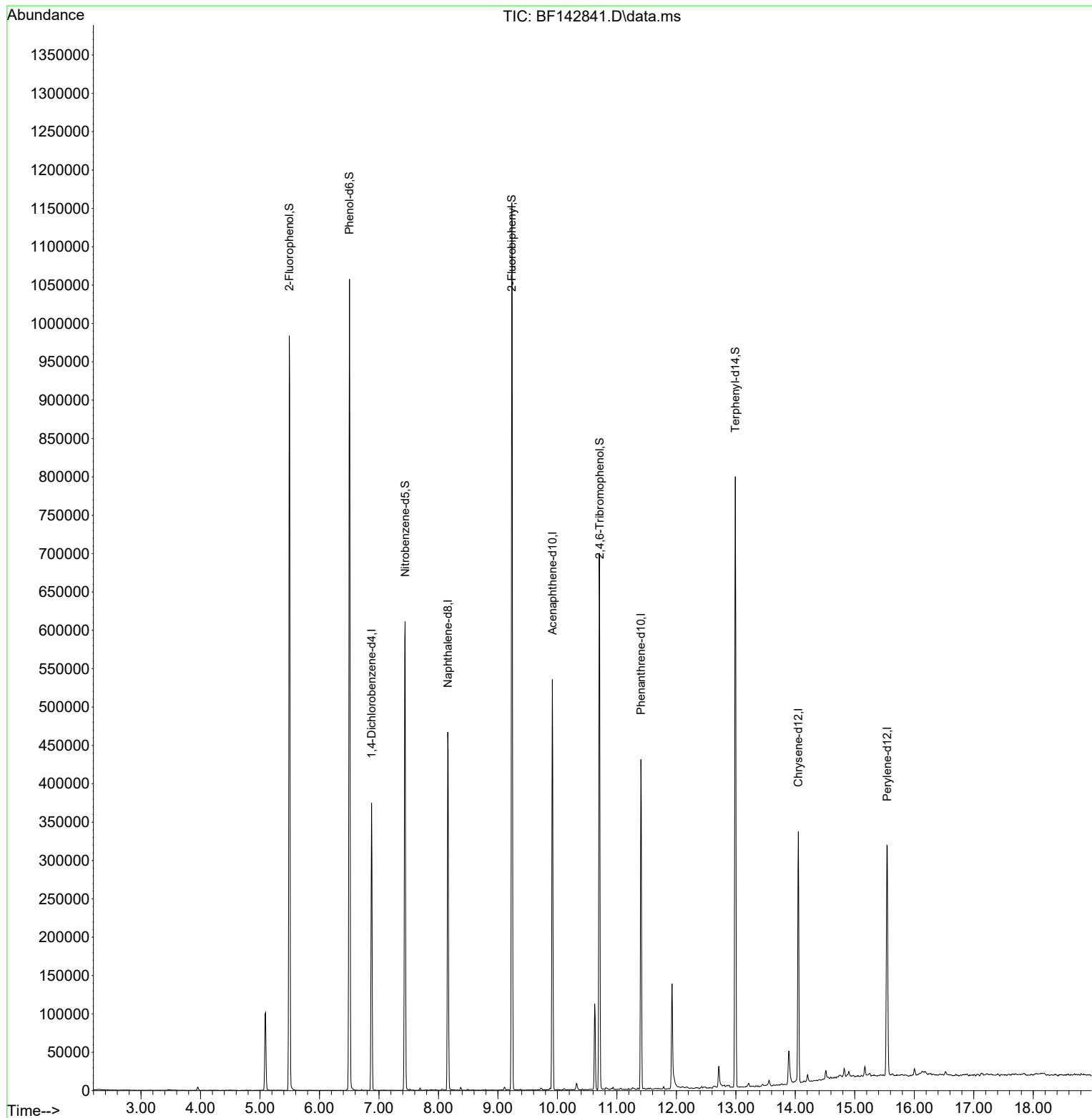
Target Compounds	Qvalue

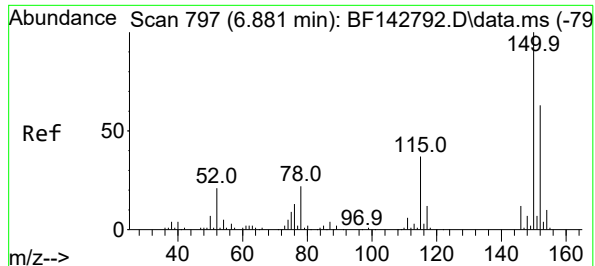
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF062525\
Data File : BF142841.D
Acq On : 25 Jun 2025 17:02
Operator : RC/JU
Sample : Q2393-03
Misc :
ALS Vial : 9 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
PARK AVE -2

Quant Time: Jun 25 17:42:11 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

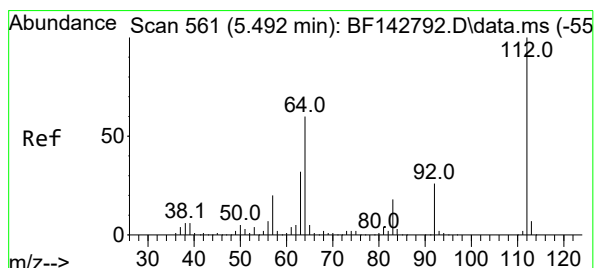
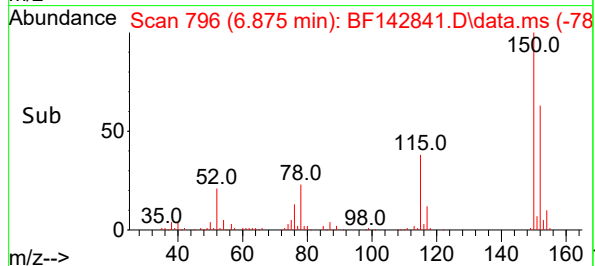
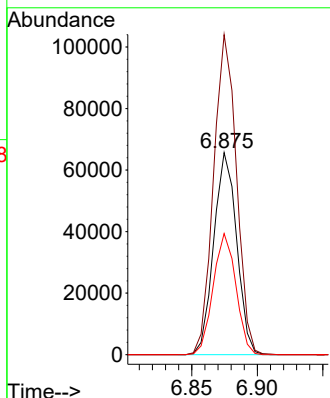
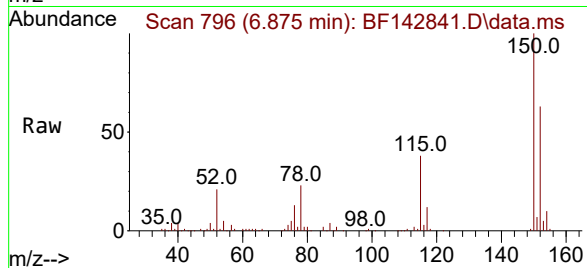




#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.875 min Scan# 797
Delta R.T. -0.006 min
Lab File: BF142841.D
Acq: 25 Jun 2025 17:02

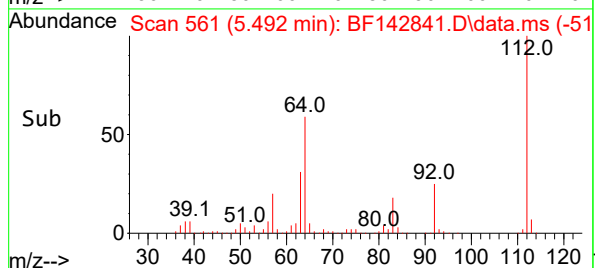
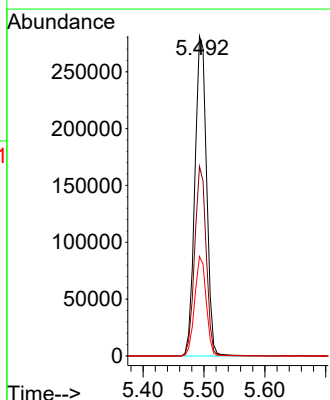
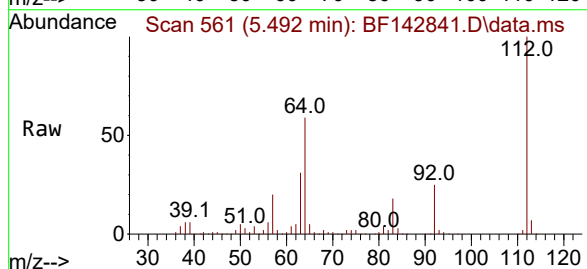
Instrument :
BNA_F
ClientSampleId :
PARK AVE -2

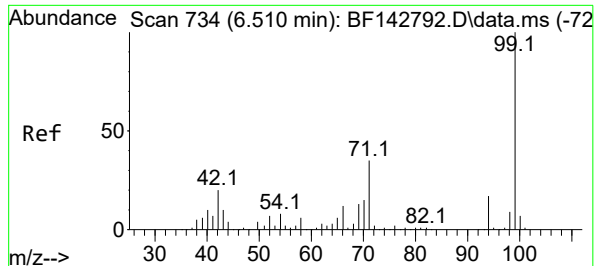
Tgt Ion:152 Resp: 79690
Ion Ratio Lower Upper
152 100
150 158.4 127.2 190.8
115 59.9 46.6 69.8



#5
2-Fluorophenol
Concen: 78.748 ng
RT: 5.492 min Scan# 561
Delta R.T. 0.000 min
Lab File: BF142841.D
Acq: 25 Jun 2025 17:02

Tgt Ion:112 Resp: 376919
Ion Ratio Lower Upper
112 100
64 59.3 48.2 72.2
63 31.1 25.7 38.5

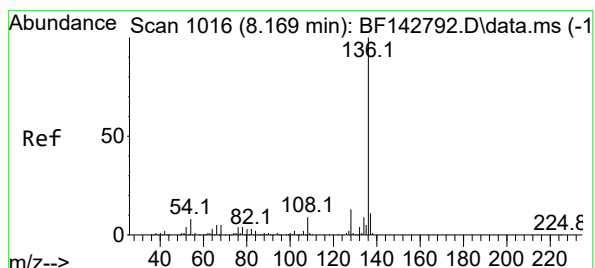
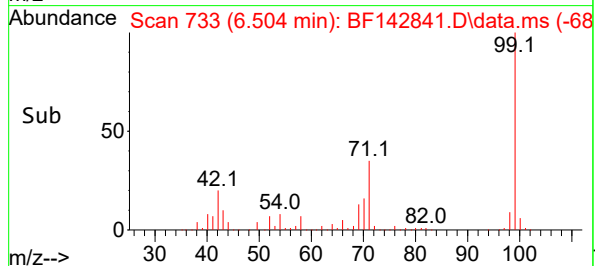
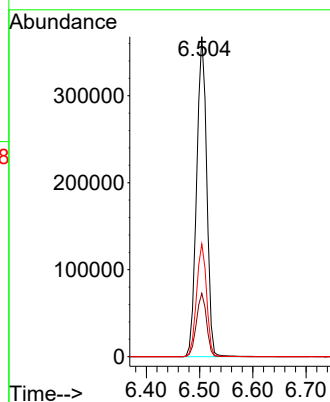
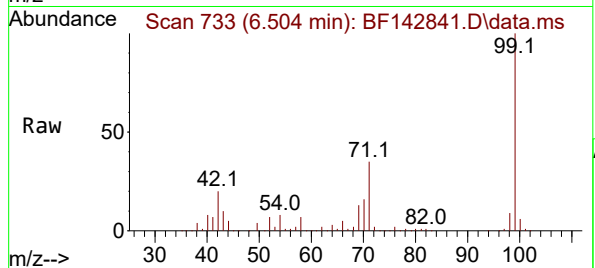




#7
Phenol-d6
Concen: 85.970 ng
RT: 6.504 min Scan# 71
Delta R.T. -0.006 min
Lab File: BF142841.D
Acq: 25 Jun 2025 17:02

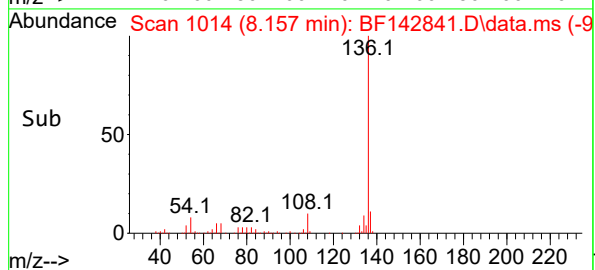
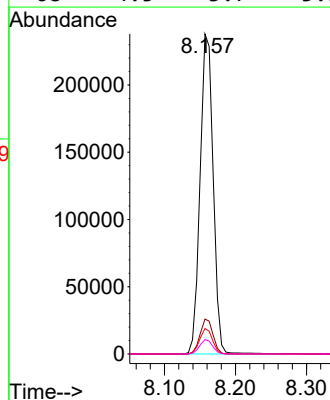
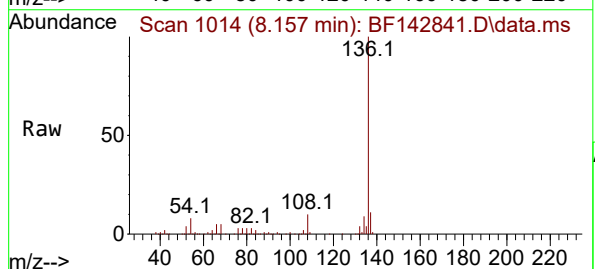
Instrument :
BNA_F
ClientSampleId :
PARK AVE -2

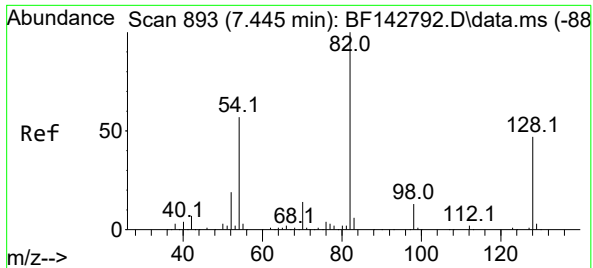
Tgt Ion: 99 Resp: 485476
Ion Ratio Lower Upper
99 100
42 19.8 15.9 23.9
71 35.3 27.8 41.8



#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.157 min Scan# 1014
Delta R.T. -0.012 min
Lab File: BF142841.D
Acq: 25 Jun 2025 17:02

Tgt Ion: 136 Resp: 305909
Ion Ratio Lower Upper
136 100
137 10.9 8.4 12.6
54 7.9 6.3 9.5
68 4.5 3.7 5.5





#23

Nitrobenzene-d5

Concen: 47.448 ng

RT: 7.439 min Scan# 89

Delta R.T. -0.006 min

Lab File: BF142841.D

Acq: 25 Jun 2025 17:02

Instrument :

BNA_F

ClientSampleId :

PARK AVE -2

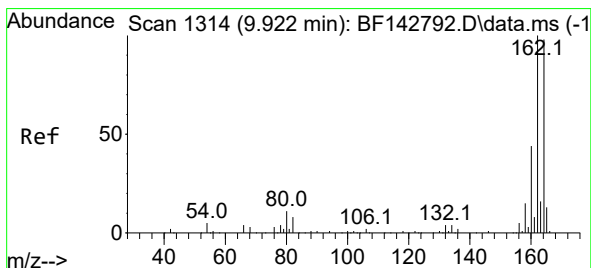
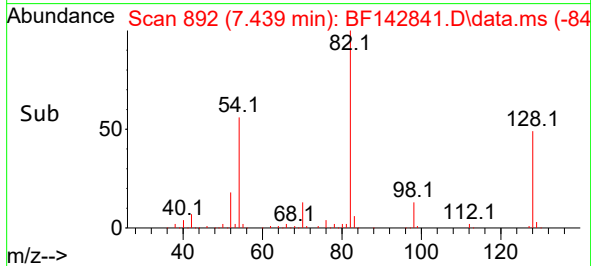
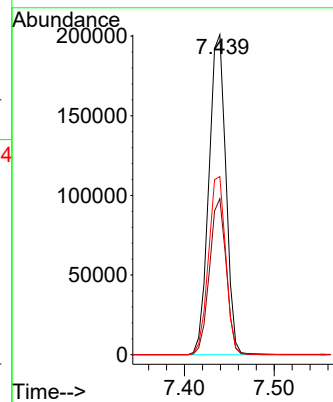
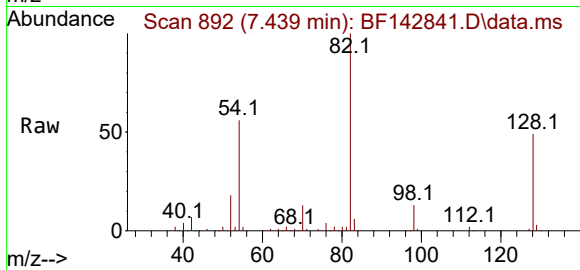
Tgt Ion: 82 Resp: 264621

Ion Ratio Lower Upper

82 100

128 48.8 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: BF142841.D

Acq: 25 Jun 2025 17:02

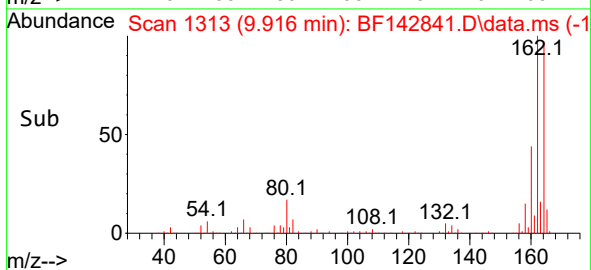
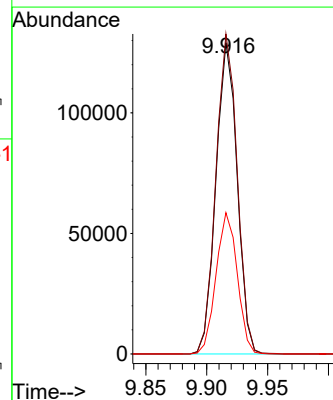
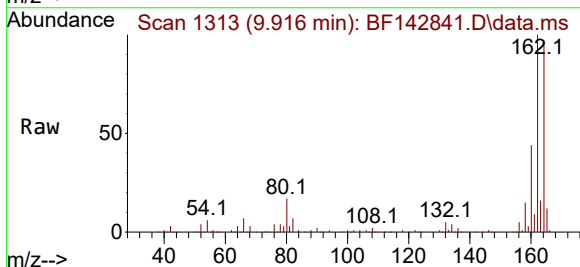
Tgt Ion:164 Resp: 156047

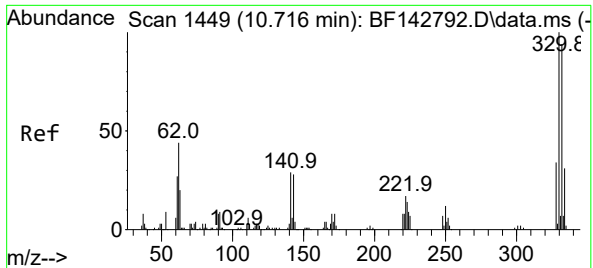
Ion Ratio Lower Upper

164 100

162 102.8 81.8 122.8

160 45.4 36.0 54.0





#42

2,4,6-Tribromophenol

Concen: 73.521 ng

RT: 10.710 min Scan# 1449

Delta R.T. -0.006 min

Lab File: BF142841.D

Acq: 25 Jun 2025 17:02

Instrument :

BNA_F

ClientSampleId :

PARK AVE -2

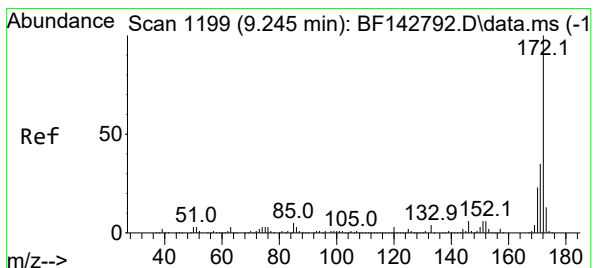
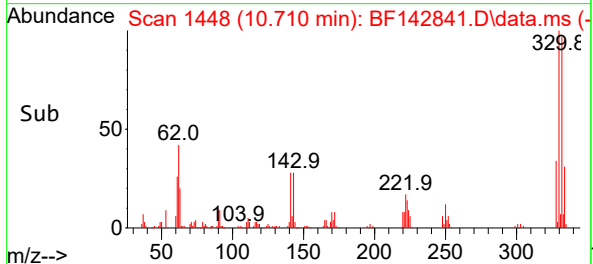
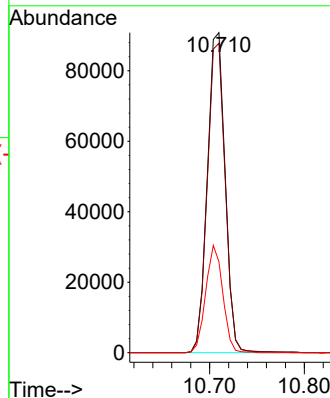
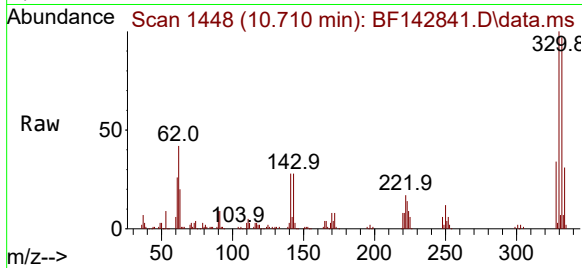
Tgt Ion:330 Resp: 118063

Ion Ratio Lower Upper

330 100

332 97.0 75.0 112.6

141 32.2 25.3 37.9



#45

2-Fluorobiphenyl

Concen: 42.707 ng

RT: 9.233 min Scan# 1197

Delta R.T. -0.012 min

Lab File: BF142841.D

Acq: 25 Jun 2025 17:02

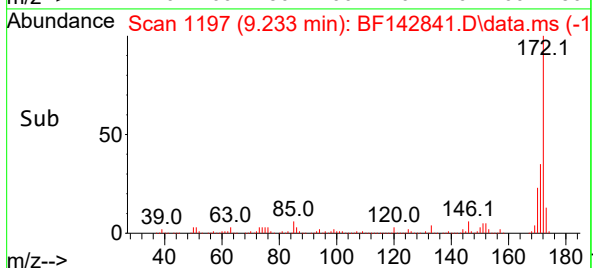
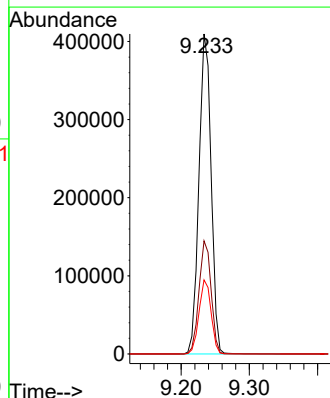
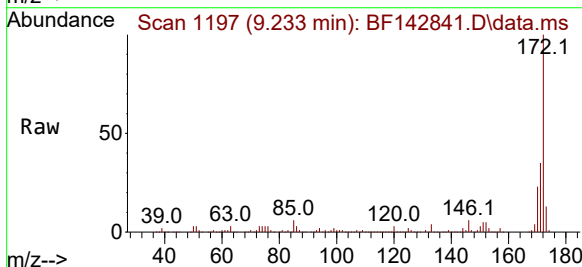
Tgt Ion:172 Resp: 507303

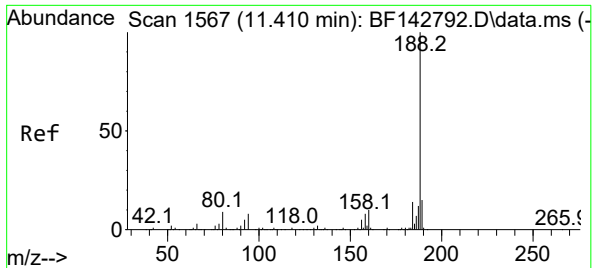
Ion Ratio Lower Upper

172 100

171 35.3 28.2 42.4

170 23.1 18.5 27.7

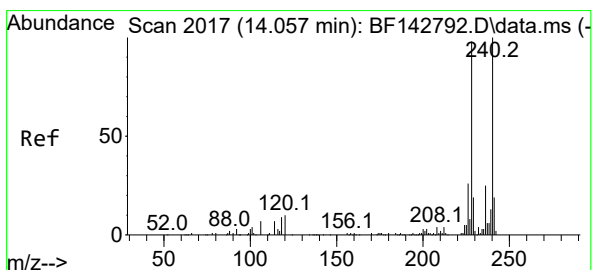
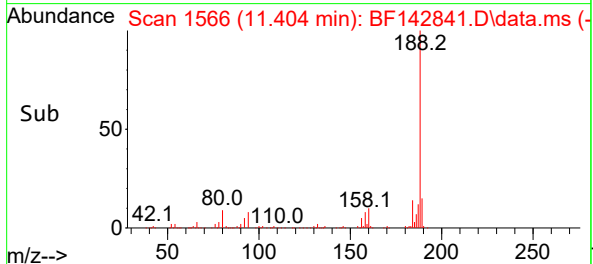
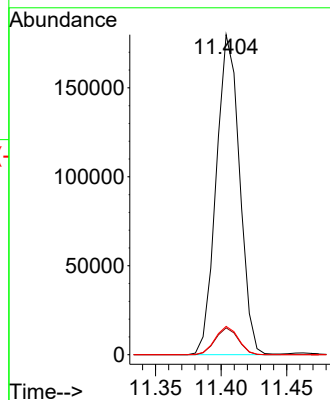
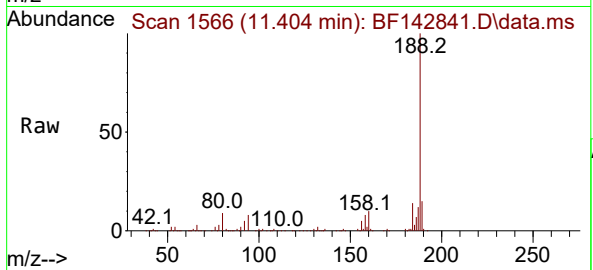




#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.404 min Scan# 11
Delta R.T. -0.006 min
Lab File: BF142841.D
Acq: 25 Jun 2025 17:02

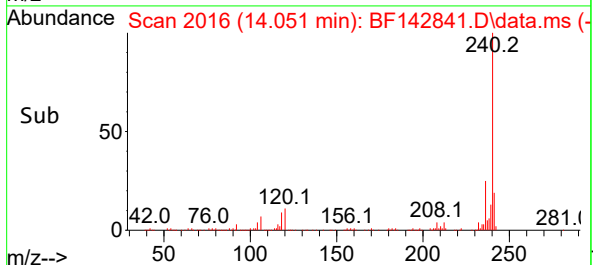
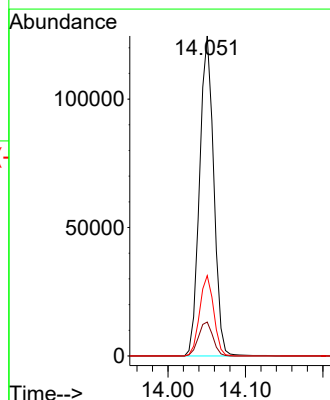
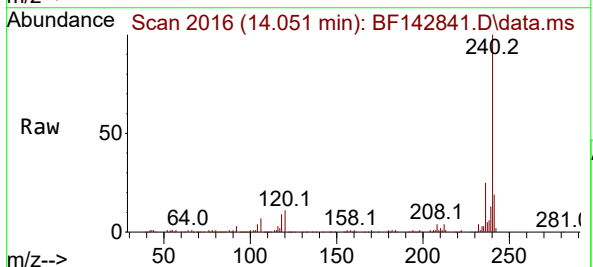
Instrument :
BNA_F
ClientSampleId :
PARK AVE -2

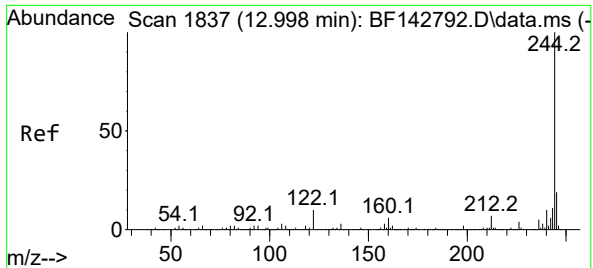
Tgt Ion:188 Resp: 222655
Ion Ratio Lower Upper
188 100
94 8.4 6.7 10.1
80 8.9 6.9 10.3



#76
Chrysene-d12
Concen: 20.000 ng
RT: 14.051 min Scan# 2016
Delta R.T. -0.006 min
Lab File: BF142841.D
Acq: 25 Jun 2025 17:02

Tgt Ion:240 Resp: 158233
Ion Ratio Lower Upper
240 100
120 10.6 8.2 12.2
236 25.1 19.8 29.8





#79

Terphenyl-d14

Concen: 32.612 ng

RT: 12.992 min Scan# 1836

Delta R.T. -0.006 min

Lab File: BF142841.D

Acq: 25 Jun 2025 17:02

Instrument :

BNA_F

ClientSampleId :

PARK AVE -2

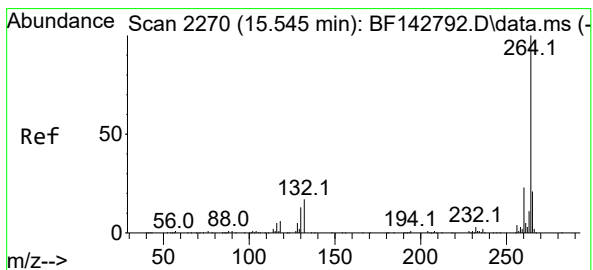
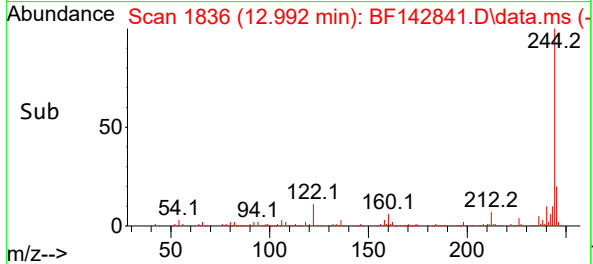
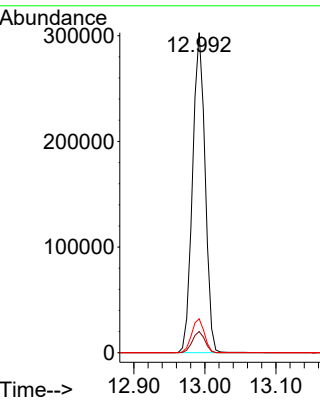
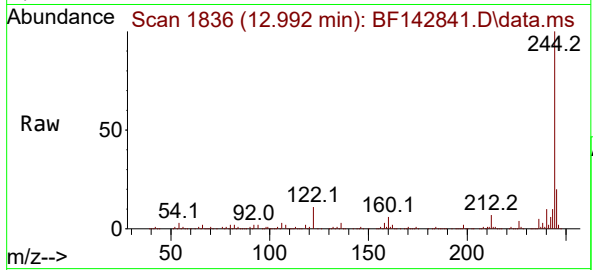
Tgt Ion:244 Resp: 373474

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: 15.545 min Scan# 2270

Delta R.T. -0.000 min

Lab File: BF142841.D

Acq: 25 Jun 2025 17:02

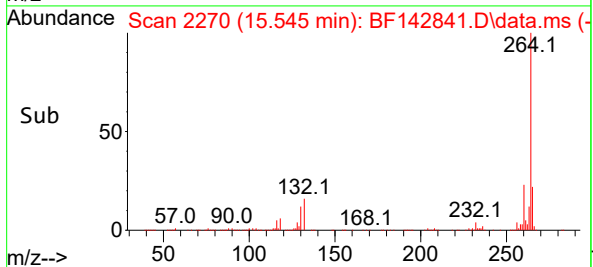
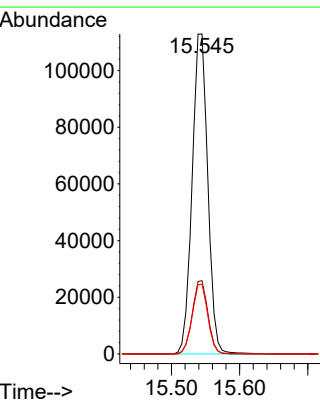
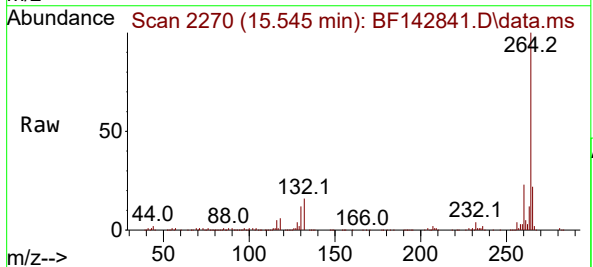
Tgt Ion:264 Resp: 179947

Ion Ratio Lower Upper

264 100

260 22.9 18.1 27.1

265 21.8 16.6 25.0



Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF062525\
 Data File : BF142841.D
 Acq On : 25 Jun 2025 17:02
 Operator : RC/JU
 Sample : Q2393-03
 Misc :
 ALS Vial : 9 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 PARK AVE -2

Integration Parameters: rteint.p

Integrator: RTE

Smoothing : ON

Sampling : 1

Start Thrs: 0.2

Stop Thrs : 0

Filtering: 5

Min Area: 3 % of largest Peak

Max Peaks: 100

Peak Location: TOP

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

Peak separation: 5

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

Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

Signal : TIC: BF142841.D\data.ms

peak #	R.T. min	first scan	max scan	last scan	PK TY	peak height	corr. area	corr. % max.	% of total
1	5.092	485	493	500	rBV	101182	150544	10.62%	1.423%
2	5.492	556	561	574	rBV	983461	1296552	91.51%	12.257%
3	6.504	727	733	738	rBV	1055830	1388792	98.02%	13.129%
4	6.875	791	796	801	rBV	374522	451504	31.87%	4.268%
5	7.439	886	892	897	rBV	611129	803917	56.74%	7.600%
6	8.157	1009	1014	1022	rBV	466536	592103	41.79%	5.597%
7	9.233	1192	1197	1202	rBV	1155874	1416896	100.00%	13.395%
8	9.916	1308	1313	1318	rVB	534077	645327	45.55%	6.101%
9	10.627	1427	1434	1442	rVB	111859	138232	9.76%	1.307%
10	10.704	1442	1447	1456	rBV	699301	885939	62.53%	8.375%
11	11.404	1561	1566	1571	rBV	430139	530475	37.44%	5.015%
12	11.927	1649	1655	1672	rBV2	136981	224964	15.88%	2.127%
13	12.716	1783	1789	1799	rBV	27175	49785	3.51%	0.471%
14	12.992	1830	1836	1841	rBV	795787	980801	69.22%	9.272%
15	13.892	1983	1989	2000	rBV	43862	89139	6.29%	0.843%
16	14.051	2011	2016	2023	rVB	327514	418138	29.51%	3.953%
17	14.510	2091	2094	2099	rBV	10230	14899	1.05%	0.141%
18	15.168	2202	2206	2211	rBV	11861	17169	1.21%	0.162%
19	15.539	2263	2269	2279	rBV	299822	482863	34.08%	4.565%

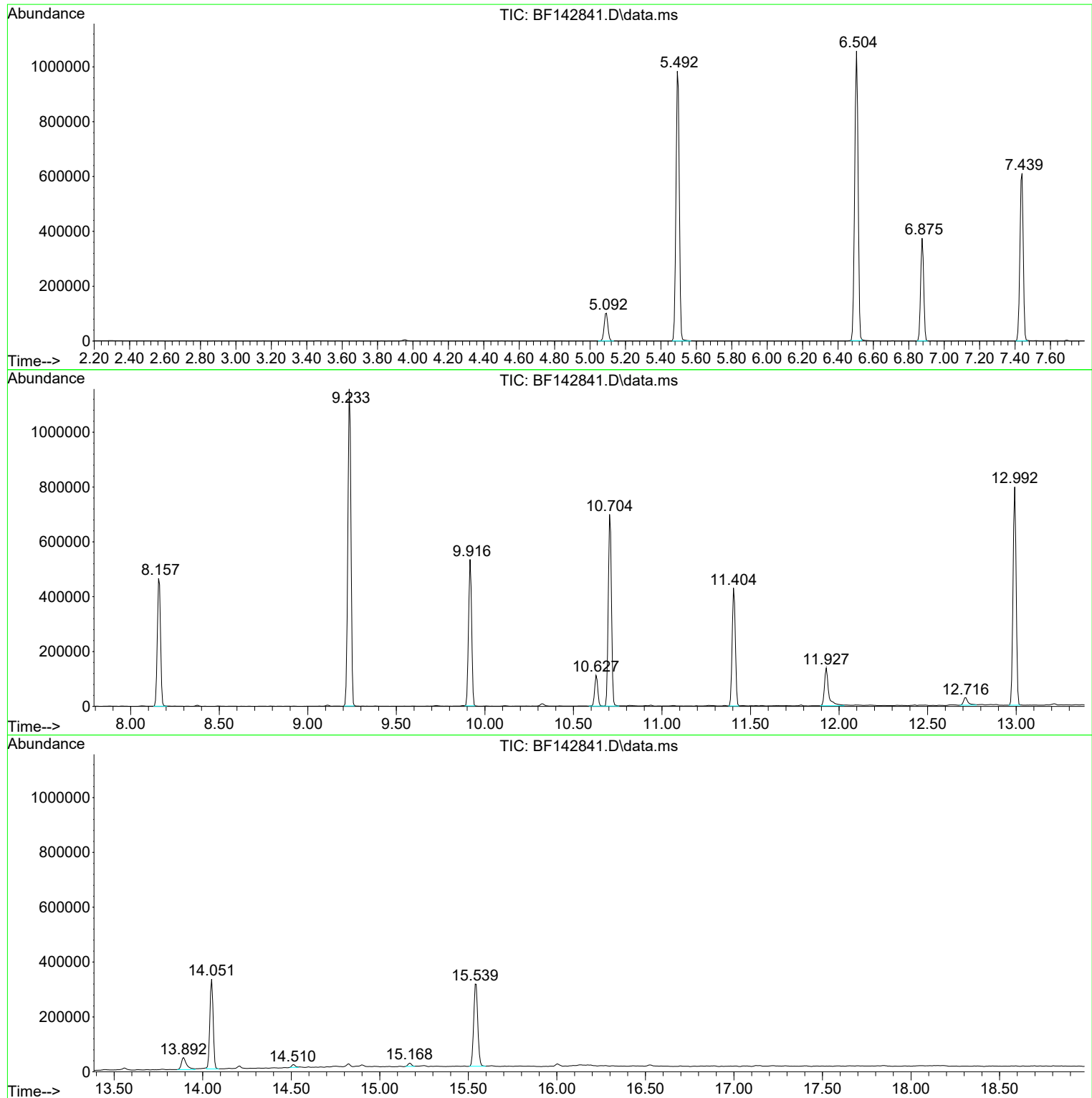
Sum of corrected areas: 10578039

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF062525\
Data File : BF142841.D
Acq On : 25 Jun 2025 17:02
Operator : RC/JU
Sample : Q2393-03
Misc :
ALS Vial : 9 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
PARK AVE -2

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\BF062525\
Data File : BF142841.D
Acq On : 25 Jun 2025 17:02
Operator : RC/JU
Sample : Q2393-03
Misc :
ALS Vial : 9 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
PARK AVE -2

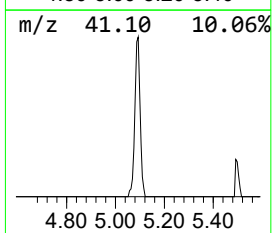
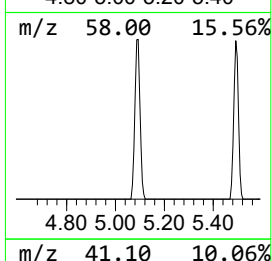
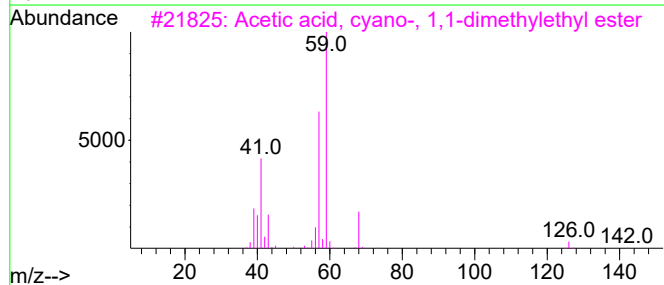
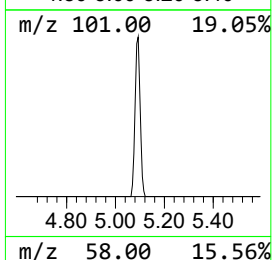
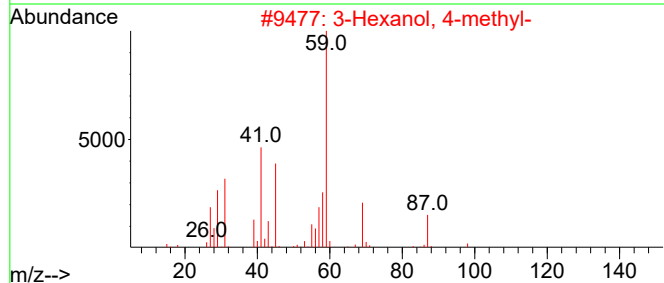
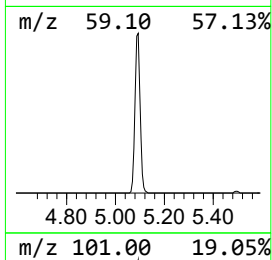
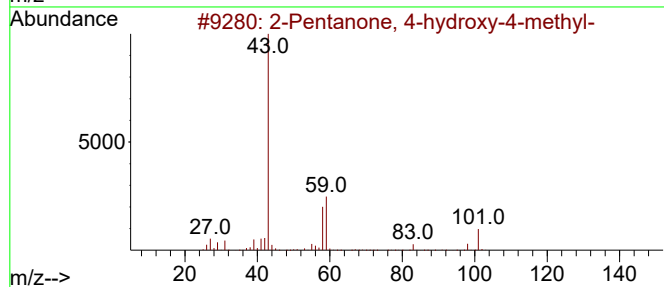
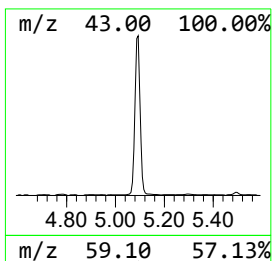
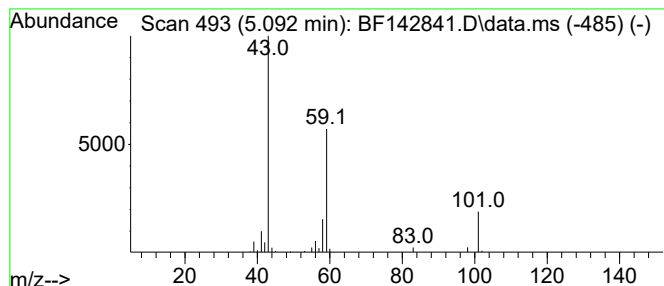
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF061925.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

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

R.T.	EstConc	Area	Relative to ISTD	R.T.
5.092	6.67 ng	150544	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	3-Hexanol, 4-methyl-	116	C7H16O	000615-29-2	28		
3	Acetic acid, cyano-, 1,1-dimethy...	141	C7H11NO2	001116-98-9	17		
4	1-Propen-2-ol, acetate	100	C5H8O2	000108-22-5	10		
5	Morpholine, 4-methyl-	101	C5H11NO	000109-02-4	9		



Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF062525\
Data File : BF142841.D
Acq On : 25 Jun 2025 17:02
Operator : RC/JU
Sample : Q2393-03
Misc :
ALS Vial : 9 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
PARK AVE -2

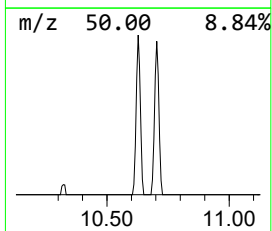
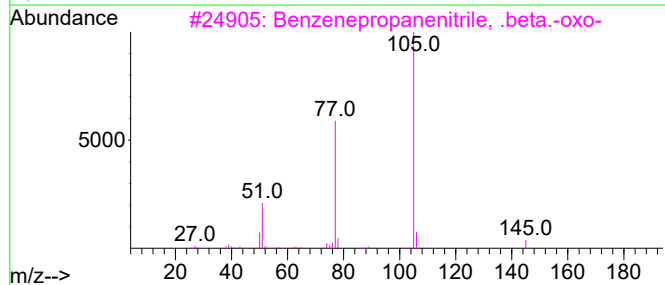
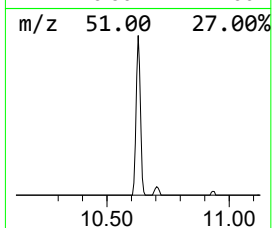
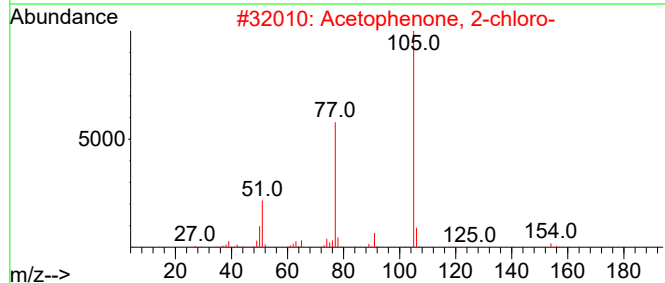
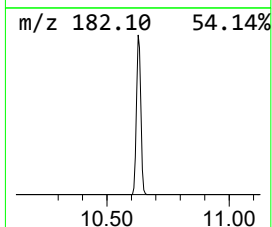
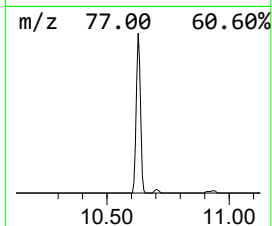
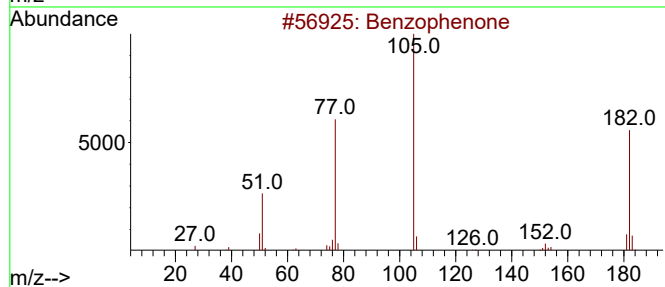
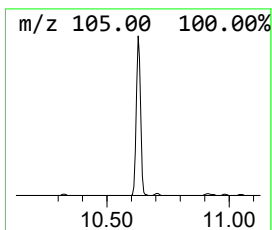
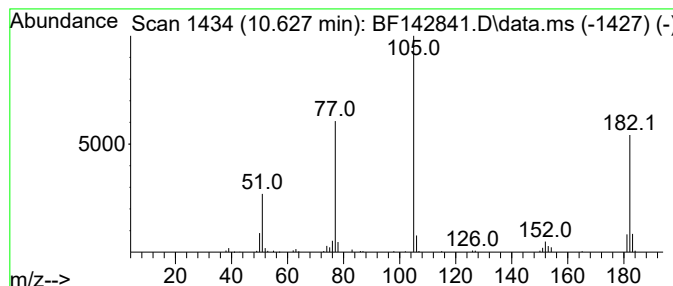
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 2 Benzophenone Concentration Rank 3

R.T.	EstConc	Area	Relative to ISTD	R.T.
10.627	4.28 ng	138232	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			Benzenepropanenitrile, .beta.-oxo-	145	C9H7NO	000614-16-4	47
4			N-Methylbenzamide, N-trifluoroac...	231	C10H8F3NO2	1000446-91-5	47
5			acetic acid, 2-bromo-, 2-oxo-2-p...	256	C10H9BrO3	1000401-50-0	47



Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF062525\
Data File : BF142841.D
Acq On : 25 Jun 2025 17:02
Operator : RC/JU
Sample : Q2393-03
Misc :
ALS Vial : 9 Sample Multiplier: 1

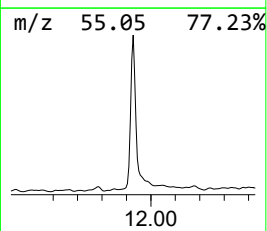
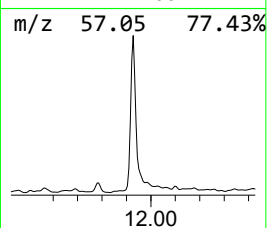
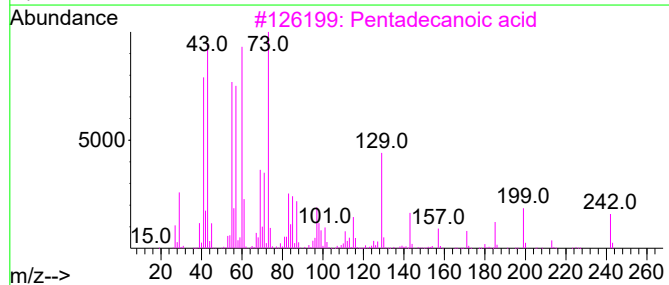
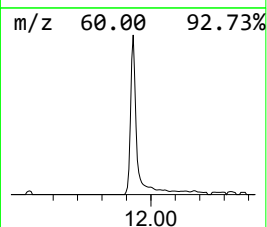
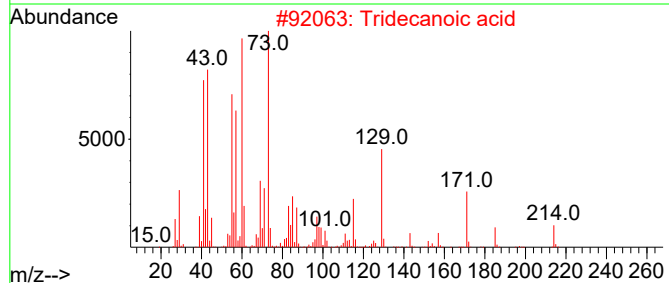
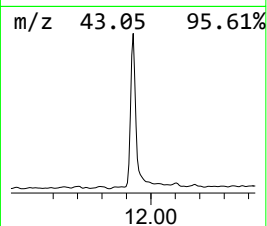
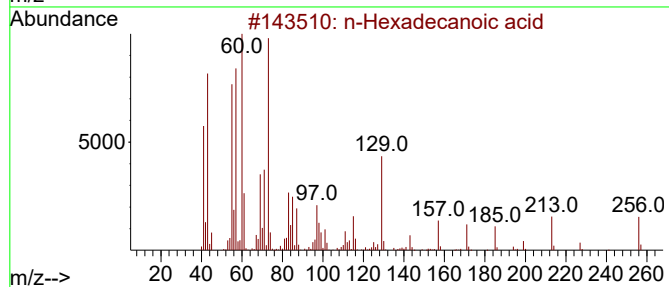
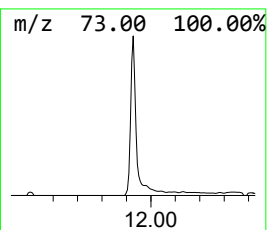
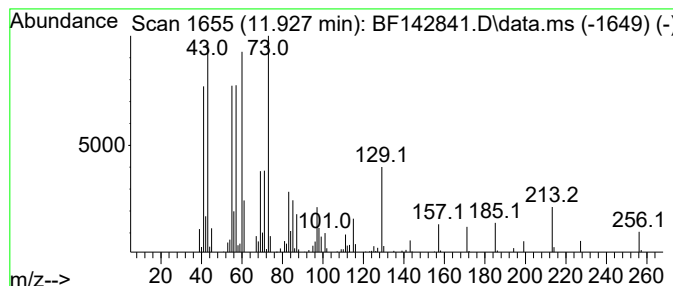
Instrument :
BNA_F
ClientSampleId :
PARK AVE -2

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 1

R.T.	EstConc	Area	Relative to ISTD		R.T.	
11.927	8.48 ng	224964	Phenanthrene-d10		11.404	
Hit# of 5	Tentative ID		MW	MolForm	CAS#	Qual
1	n-Hexadecanoic acid		256	C16H32O2	000057-10-3	99
2	Tridecanoic acid		214	C13H26O2	000638-53-9	93
3	Pentadecanoic acid		242	C15H30O2	001002-84-2	91
4	Tetradecanoic acid		228	C14H28O2	000544-63-8	83
5	n-Decanoic acid		172	C10H20O2	000334-48-5	62



Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF062525\
Data File : BF142841.D
Acq On : 25 Jun 2025 17:02
Operator : RC/JU
Sample : Q2393-03
Misc :
ALS Vial : 9 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
PARK AVE -2

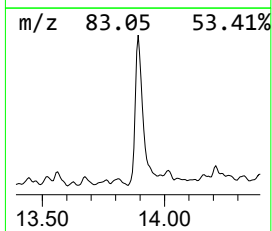
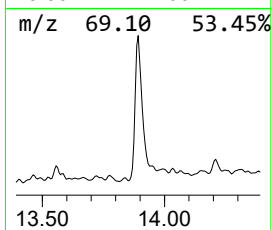
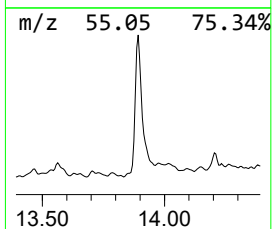
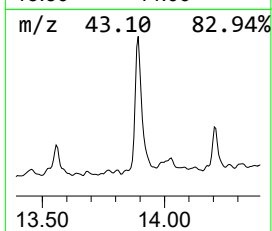
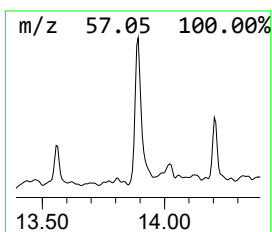
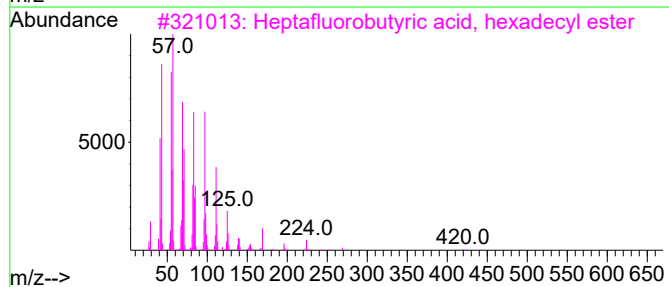
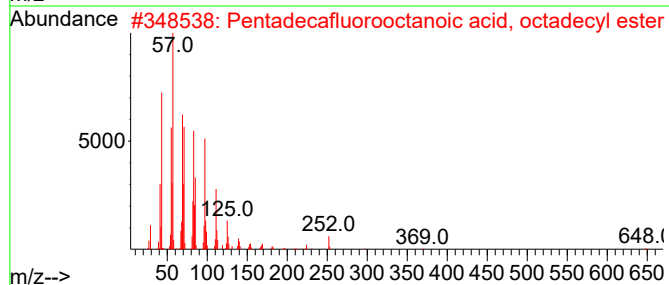
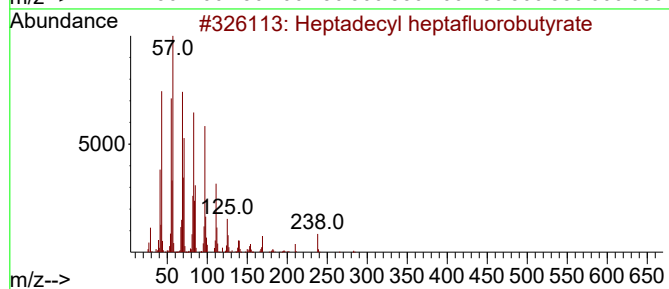
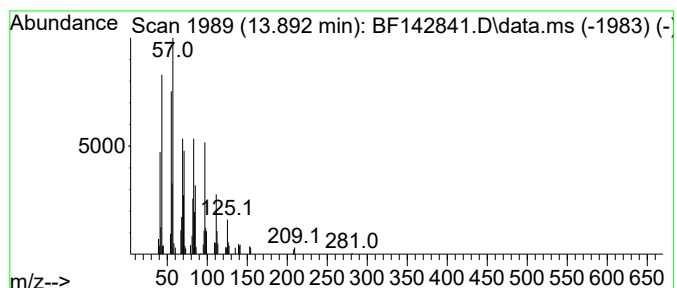
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF061925.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 4 Heptadecyl heptafluorobutyrate Concentration Rank 4

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.892	4.26 ng	89139	Chrysene-d12	14.051

Hit#	of 5	Tentative ID	MW	MolForm	CAS#	Qual
1		Heptadecyl heptafluorobutyrate	452	C21H35F7O2	959085-66-6	95
2		Pentadecafluorooctanoic acid, oc...	666	C26H37F15O2	1000406-04-8	95
3		Heptafluorobutyric acid, hexadec...	438	C20H33F7O2	006385-15-5	95
4		Pentafluoropropionic acid, hepta...	402	C20H35F5O2	959218-78-1	94
5		Heptadecyl trifluoroacetate	352	C19H35F3O2	1010351-87-0	94



Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF062525\
Data File : BF142841.D
Acq On : 25 Jun 2025 17:02
Operator : RC/JU
Sample : Q2393-03
Misc :
ALS Vial : 9 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
PARK AVE -2

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-...	5.092	6.7	ng	150544	1	6.875	451504	20.0
Benzophenone	10.627	4.3	ng	138232	3	9.916	645327	20.0
n-Hexadecanoic ...	11.927	8.5	ng	224964	4	11.404	530475	20.0
Heptadecyl hept...	13.892	4.3	ng	89139	5	14.051	418138	20.0

Report of Analysis

Client:	Union Paving & Construction Company	Date Collected:	06/23/25
Project:	190 Park Ave Hanover Twp NJ - PO 2556-001	Date Received:	06/23/25
Client Sample ID:	PARK AVE -3	SDG No.:	Q2393
Lab Sample ID:	Q2393-05	Matrix:	SOIL
Analytical Method:	8270E	% Solid:	86.6
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
BF142824.D	1	06/24/25 13:00	06/24/25 17:33	PB168601

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	25.5	U	25.5	200	ug/Kg
111-44-4	bis(2-Chloroethyl)ether	28.0	U	28.0	200	ug/Kg
95-57-8	2-Chlorophenol	28.1	U	28.1	200	ug/Kg
95-48-7	2-Methylphenol	34.5	U	34.5	200	ug/Kg
108-60-1	2,2-oxybis(1-Chloropropane)	43.3	U	43.3	200	ug/Kg
98-86-2	Acetophenone	34.0	U	34.0	200	ug/Kg
65794-96-9	3+4-Methylphenols	47.4	U	47.4	380	ug/Kg
621-64-7	n-Nitroso-di-n-propylamine	54.7	U	54.7	92.3	ug/Kg
67-72-1	Hexachloroethane	20.3	U	20.3	200	ug/Kg
98-95-3	Nitrobenzene	21.1	U	21.1	200	ug/Kg
78-59-1	Isophorone	37.8	U	37.8	200	ug/Kg
88-75-5	2-Nitrophenol	67.1	U	67.1	200	ug/Kg
105-67-9	2,4-Dimethylphenol	74.8	U	74.8	200	ug/Kg
111-91-1	bis(2-Chloroethoxy)methane	35.5	U	35.5	200	ug/Kg
120-83-2	2,4-Dichlorophenol	32.6	U	32.6	200	ug/Kg
91-20-3	Naphthalene	26.2	U	26.2	200	ug/Kg
106-47-8	4-Chloroaniline	40.8	U	40.8	200	ug/Kg
87-68-3	Hexachlorobutadiene	29.2	U	29.2	200	ug/Kg
105-60-2	Caprolactam	60.1	U	60.1	380	ug/Kg
59-50-7	4-Chloro-3-methylphenol	33.1	U	33.1	200	ug/Kg
91-57-6	2-Methylnaphthalene	29.5	U	29.5	200	ug/Kg
77-47-4	Hexachlorocyclopentadiene	130	U	130	380	ug/Kg
88-06-2	2,4,6-Trichlorophenol	22.8	U	22.8	200	ug/Kg
95-95-4	2,4,5-Trichlorophenol	33.6	U	33.6	200	ug/Kg
92-52-4	1,1-Biphenyl	25.1	U	25.1	200	ug/Kg
91-58-7	2-Chloronaphthalene	26.0	U	26.0	200	ug/Kg
88-74-4	2-Nitroaniline	55.5	U	55.5	200	ug/Kg
131-11-3	Dimethylphthalate	31.3	U	31.3	200	ug/Kg

Report of Analysis

Client:	Union Paving & Construction Company	Date Collected:	06/23/25
Project:	190 Park Ave Hanover Twp NJ - PO 2556-001	Date Received:	06/23/25
Client Sample ID:	PARK AVE -3	SDG No.:	Q2393
Lab Sample ID:	Q2393-05	Matrix:	SOIL
Analytical Method:	8270E	% Solid:	86.6
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
BF142824.D	1	06/24/25 13:00	06/24/25 17:33	PB168601

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units(Dry Weight)
208-96-8	Acenaphthylene	33.3	U	33.3	200	ug/Kg
606-20-2	2,6-Dinitrotoluene	38.8	U	38.8	200	ug/Kg
99-09-2	3-Nitroaniline	53.1	U	53.1	200	ug/Kg
83-32-9	Acenaphthene	24.6	U	24.6	200	ug/Kg
51-28-5	2,4-Dinitrophenol	260	U	260	380	ug/Kg
100-02-7	4-Nitrophenol	120	U	120	380	ug/Kg
132-64-9	Dibenzofuran	26.2	U	26.2	200	ug/Kg
121-14-2	2,4-Dinitrotoluene	57.8	U	57.8	200	ug/Kg
84-66-2	Diethylphthalate	32.6	U	32.6	200	ug/Kg
7005-72-3	4-Chlorophenyl-phenylether	30.8	U	30.8	200	ug/Kg
86-73-7	Fluorene	29.2	U	29.2	200	ug/Kg
100-01-6	4-Nitroaniline	74.1	U	74.1	200	ug/Kg
534-52-1	4,6-Dinitro-2-methylphenol	120	U	120	380	ug/Kg
86-30-6	n-Nitrosodiphenylamine	38.0	U	38.0	200	ug/Kg
101-55-3	4-Bromophenyl-phenylether	32.1	U	32.1	200	ug/Kg
118-74-1	Hexachlorobenzene	29.2	U	29.2	200	ug/Kg
1912-24-9	Atrazine	39.2	U	39.2	200	ug/Kg
87-86-5	Pentachlorophenol	59.2	U	59.2	380	ug/Kg
85-01-8	Phenanthrene	24.1	U	24.1	200	ug/Kg
120-12-7	Anthracene	38.4	U	38.4	200	ug/Kg
86-74-8	Carbazole	36.0	U	36.0	200	ug/Kg
84-74-2	Di-n-butylphthalate	55.3	U	55.3	200	ug/Kg
206-44-0	Fluoranthene	150	J	34.6	200	ug/Kg
129-00-0	Pyrene	86.6	J	41.5	200	ug/Kg
85-68-7	Butylbenzylphthalate	82.4	UQ	82.4	200	ug/Kg
91-94-1	3,3-Dichlorobenzidine	42.3	UQ	42.3	380	ug/Kg
56-55-3	Benzo(a)anthracene	26.5	U	26.5	200	ug/Kg
218-01-9	Chrysene	23.0	U	23.0	200	ug/Kg
117-81-7	Bis(2-ethylhexyl)phthalate	68.3	U	68.3	200	ug/Kg
117-84-0	Di-n-octyl phthalate	100	U	100	380	ug/Kg
205-99-2	Benzo(b)fluoranthene	88.8	J	21.9	200	ug/Kg

Report of Analysis

Client:	Union Paving & Construction Company	Date Collected:	06/23/25
Project:	190 Park Ave Hanover Twp NJ - PO 2556-001	Date Received:	06/23/25
Client Sample ID:	PARK AVE -3	SDG No.:	Q2393
Lab Sample ID:	Q2393-05	Matrix:	SOIL
Analytical Method:	8270E	% Solid:	86.6
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
BF142824.D	1	06/24/25 13:00	06/24/25 17:33	PB168601

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units(Dry Weight)
207-08-9	Benzo(k)fluoranthene	25.8	U	25.8	200	ug/Kg
50-32-8	Benzo(a)pyrene	34.0	U	34.0	200	ug/Kg
193-39-5	Indeno(1,2,3-cd)pyrene	33.6	U	33.6	200	ug/Kg
53-70-3	Dibenzo(a,h)anthracene	31.6	U	31.6	200	ug/Kg
191-24-2	Benzo(g,h,i)perylene	29.6	U	29.6	200	ug/Kg
95-94-3	1,2,4,5-Tetrachlorobenzene	29.5	U	29.5	200	ug/Kg
123-91-1	1,4-Dioxane	52.1	U	52.1	200	ug/Kg
58-90-2	2,3,4,6-Tetrachlorophenol	31.6	U	31.6	200	ug/Kg

SURROGATES

367-12-4	2-Fluorophenol	66.2		18 - 112	44%	SPK: 150
13127-88-3	Phenol-d6	69.5		15 - 107	46%	SPK: 150
4165-60-0	Nitrobenzene-d5	36.7		18 - 107	37%	SPK: 100
321-60-8	2-Fluorobiphenyl	37.2		20 - 109	37%	SPK: 100
118-79-6	2,4,6-Tribromophenol	82.8		10 - 116	55%	SPK: 150
1718-51-0	Terphenyl-d14	36.4		10 - 105	36%	SPK: 100

INTERNAL STANDARDS

3855-82-1	1,4-Dichlorobenzene-d4	63000	6.881	
1146-65-2	Naphthalene-d8	226000	8.163	
15067-26-2	Acenaphthene-d10	112000	9.916	
1517-22-2	Phenanthrene-d10	215000	11.41	
1719-03-5	Chrysene-d12	192000	14.051	
1520-96-3	Perylene-d12	128000	15.545	

TENTATIVE IDENTIFIED COMPOUNDS

000123-42-2	2-Pentanone, 4-hydroxy-4-methyl-	210	AB	5.08	ug/Kg
000119-61-9	Benzophenone	160	J	10.6	ug/Kg
000057-10-3	n-Hexadecanoic acid	220	J	11.9	ug/Kg
000112-88-9	1-Octadecene	180	J	13.9	ug/Kg

Report of Analysis

Client:	Union Paving & Construction Company	Date Collected:	06/23/25
Project:	190 Park Ave Hanover Twp NJ - PO 2556-001	Date Received:	06/23/25
Client Sample ID:	PARK AVE -3	SDG No.:	Q2393
Lab Sample ID:	Q2393-05	Matrix:	SOIL
Analytical Method:	8270E	% Solid:	86.6
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
BF142824.D	1	06/24/25 13:00	06/24/25 17:33	PB168601

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\BF062425\
Data File : BF142824.D
Acq On : 24 Jun 2025 17:33
Operator : RC/JU
Sample : Q2393-05
Misc :
ALS Vial : 15 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
PARK AVE -3

Quant Time: Jun 24 18:02:37 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

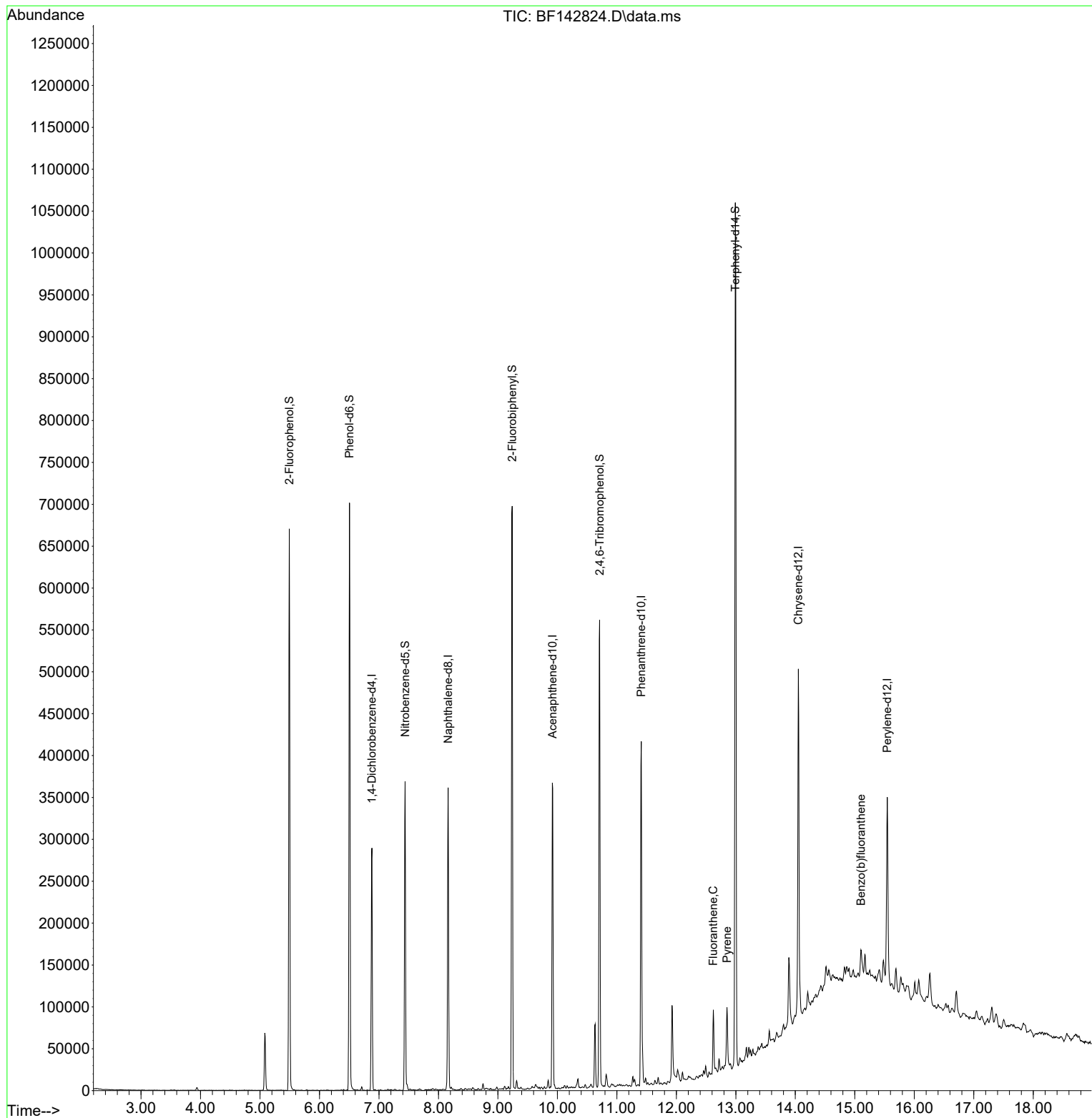
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) 1,4-Dichlorobenzene-d4	6.881	152	63043	20.000	ng	0.00
21) Naphthalene-d8	8.163	136	226294	20.000	ng	0.00
39) Acenaphthene-d10	9.916	164	112057	20.000	ng	0.00
64) Phenanthrene-d10	11.410	188	215299	20.000	ng	0.00
76) Chrysene-d12	14.051	240	191648	20.000	ng	0.00
86) Perylene-d12	15.545	264	128238	20.000	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.492	112	250519	66.160	ng	0.00
7) Phenol-d6	6.504	99	310518	69.508	ng	0.00
23) Nitrobenzene-d5	7.439	82	151433	36.705	ng	0.00
42) 2,4,6-Tribromophenol	10.710	330	95486	82.805	ng	0.00
45) 2-Fluorobiphenyl	9.239	172	317524	37.224	ng	0.00
79) Terphenyl-d14	12.992	244	504565	36.377	ng	0.00
Target Compounds						Qvalue
75) Fluoranthene	12.621	202	42021	3.796	ng	100
78) Pyrene	12.851	202	40452	2.252	ng	98
88) Benzo(b)fluoranthene	15.104	252	17137m	2.309	ng	

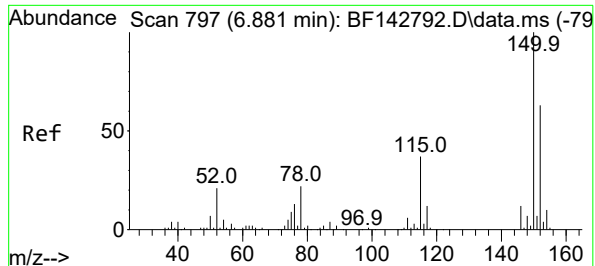
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF062425\
Data File : BF142824.D
Acq On : 24 Jun 2025 17:33
Operator : RC/JU
Sample : Q2393-05
Misc :
ALS Vial : 15 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
PARK AVE -3

Quant Time: Jun 24 18:02:37 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

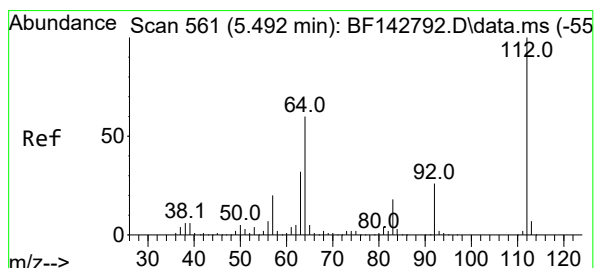
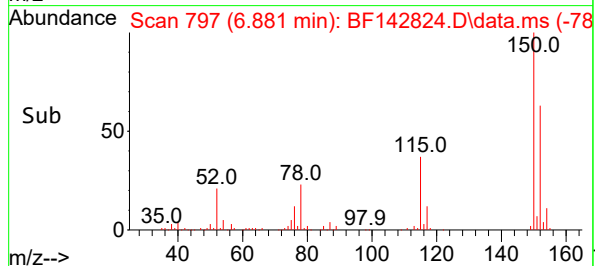
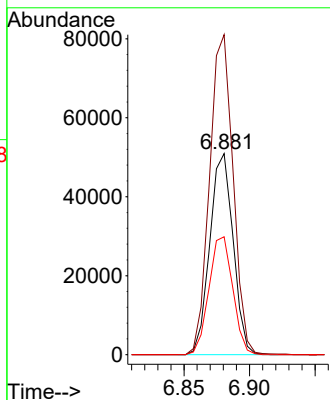
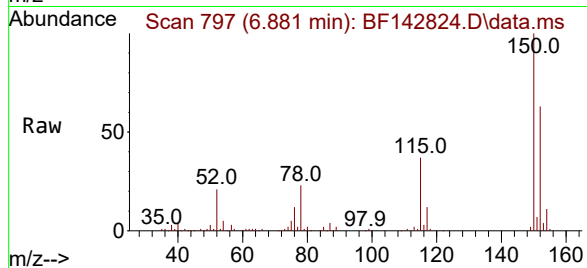




#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.881 min Scan# 797
Delta R.T. -0.000 min
Lab File: BF142824.D
Acq: 24 Jun 2025 17:33

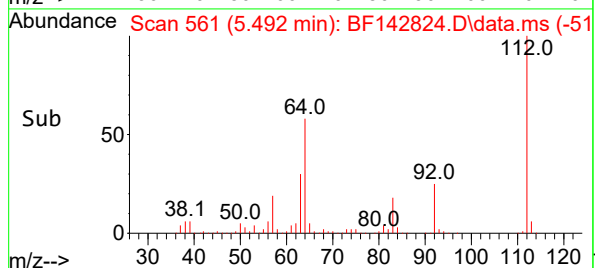
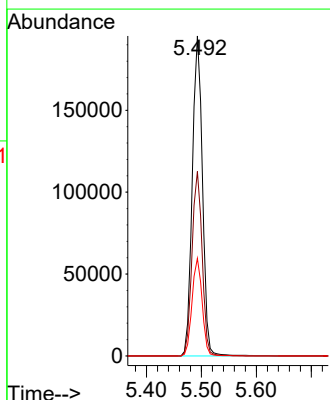
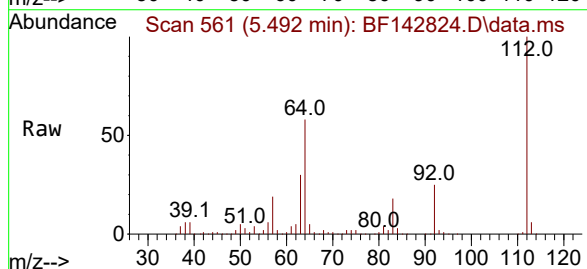
Instrument :
BNA_F
ClientSampleId :
PARK AVE -3

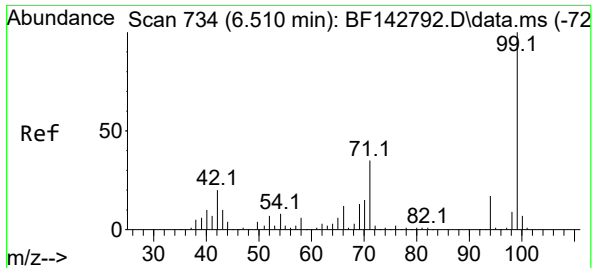
Tgt Ion:152 Resp: 63043
Ion Ratio Lower Upper
152 100
150 159.1 127.2 190.8
115 58.7 46.6 69.8



#5
2-Fluorophenol
Concen: 66.160 ng
RT: 5.492 min Scan# 561
Delta R.T. 0.000 min
Lab File: BF142824.D
Acq: 24 Jun 2025 17:33

Tgt Ion:112 Resp: 250519
Ion Ratio Lower Upper
112 100
64 57.7 48.2 72.2
63 30.5 25.7 38.5

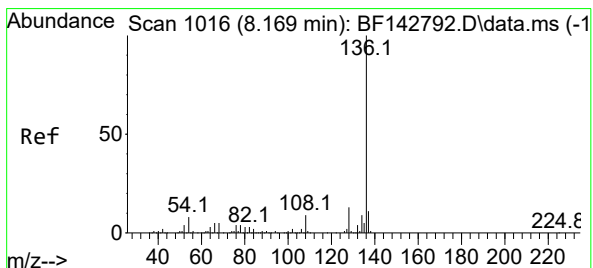
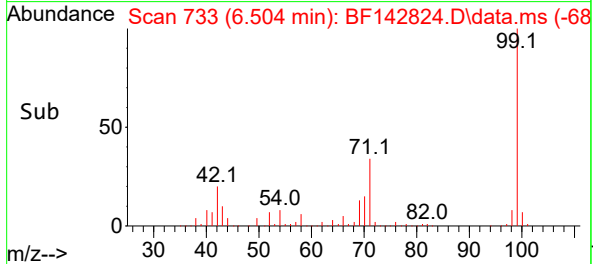
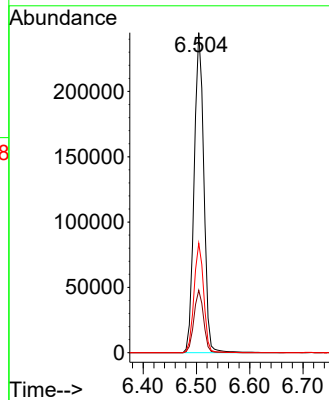
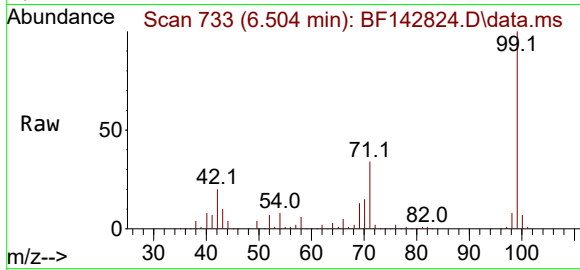




#7
Phenol-d6
Concen: 69.508 ng
RT: 6.504 min Scan# 71
Delta R.T. -0.006 min
Lab File: BF142824.D
Acq: 24 Jun 2025 17:33

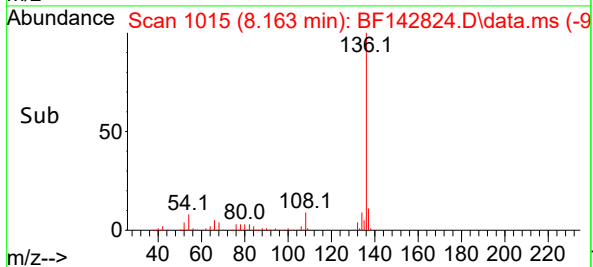
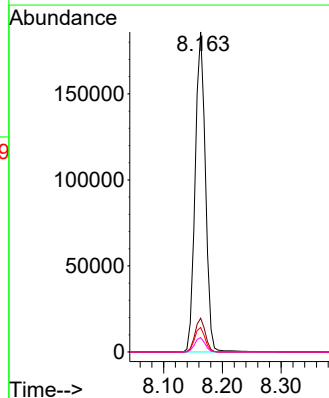
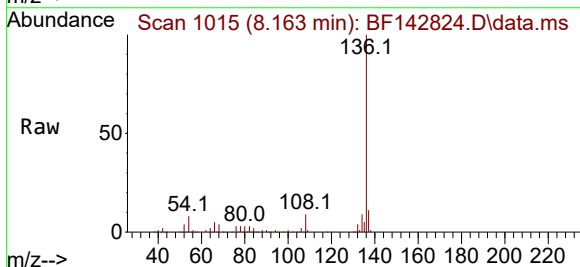
Instrument :
BNA_F
ClientSampleId :
PARK AVE -3

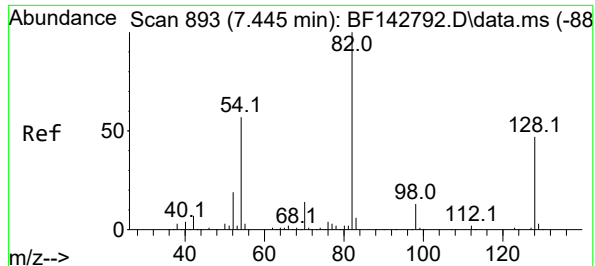
Tgt Ion: 99 Resp: 310518
Ion Ratio Lower Upper
99 100
42 19.5 15.9 23.9
71 34.2 27.8 41.8



#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.163 min Scan# 1015
Delta R.T. -0.006 min
Lab File: BF142824.D
Acq: 24 Jun 2025 17:33

Tgt Ion: 136 Resp: 226294
Ion Ratio Lower Upper
136 100
137 10.5 8.4 12.6
54 7.7 6.3 9.5
68 4.5 3.7 5.5





#23

Nitrobenzene-d5

Concen: 36.705 ng

RT: 7.439 min Scan# 89

Delta R.T. -0.006 min

Lab File: BF142824.D

Acq: 24 Jun 2025 17:33

Instrument :

BNA_F

ClientSampleId :

PARK AVE -3

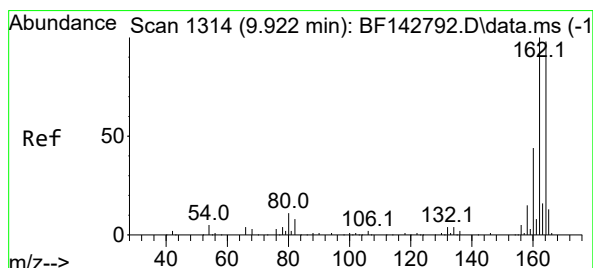
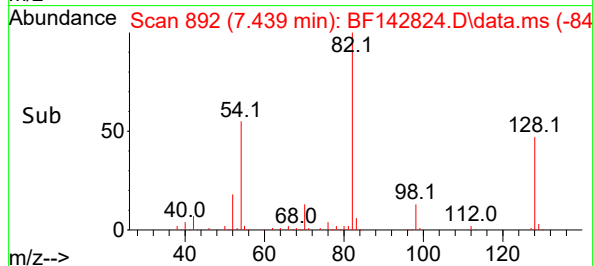
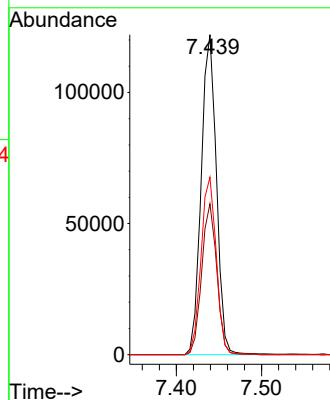
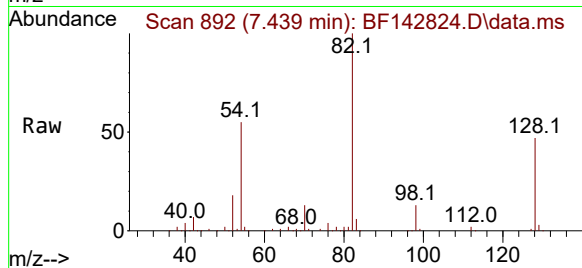
Tgt Ion: 82 Resp: 151433

Ion Ratio Lower Upper

82 100

128 47.2 37.7 56.5

54 55.5 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: BF142824.D

Acq: 24 Jun 2025 17:33

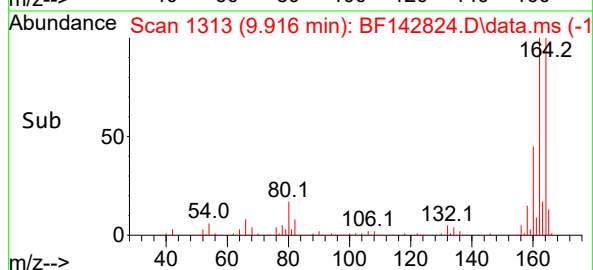
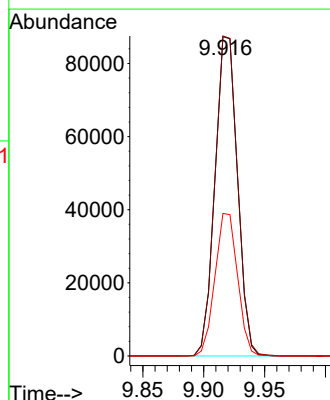
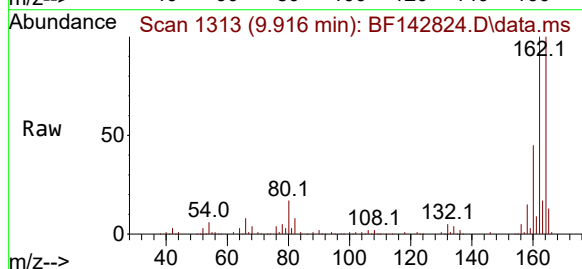
Tgt Ion:164 Resp: 112057

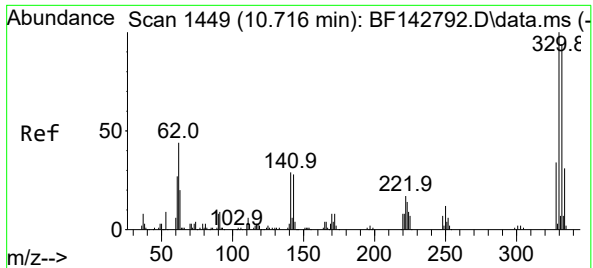
Ion Ratio Lower Upper

164 100

162 100.2 81.8 122.8

160 44.6 36.0 54.0





#42

2,4,6-Tribromophenol

Concen: 82.805 ng

RT: 10.710 min Scan# 1448

Delta R.T. -0.006 min

Lab File: BF142824.D

Acq: 24 Jun 2025 17:33

Instrument :

BNA_F

ClientSampleId :

PARK AVE -3

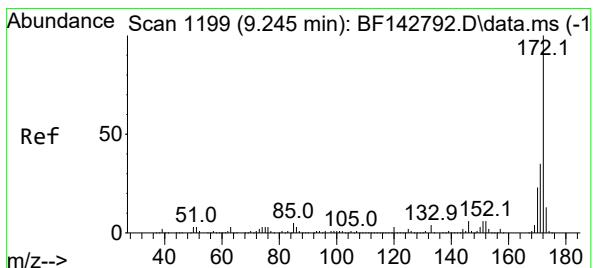
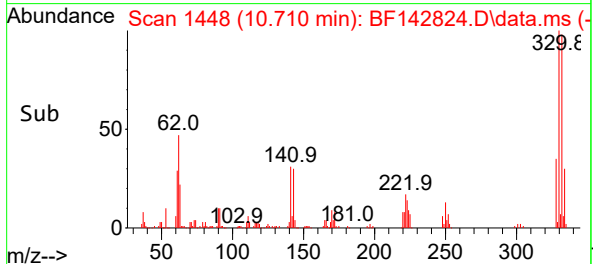
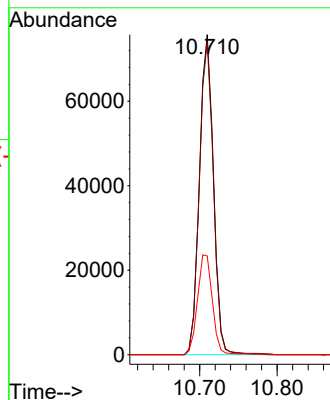
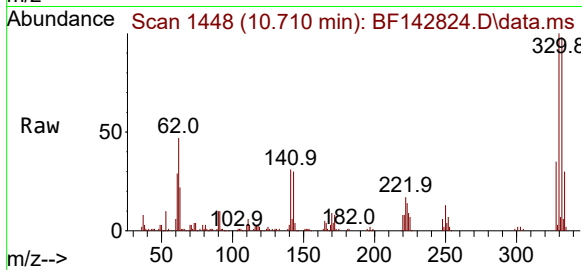
Tgt Ion:330 Resp: 95486

Ion Ratio Lower Upper

330 100

332 97.4 75.0 112.6

141 33.1 25.3 37.9



#45

2-Fluorobiphenyl

Concen: 37.224 ng

RT: 9.239 min Scan# 1198

Delta R.T. -0.006 min

Lab File: BF142824.D

Acq: 24 Jun 2025 17:33

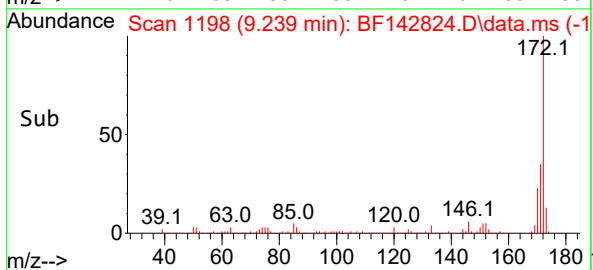
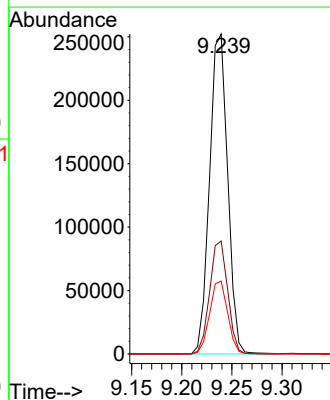
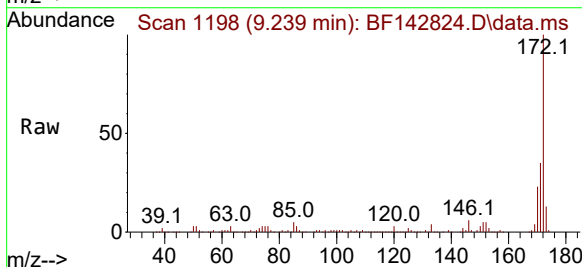
Tgt Ion:172 Resp: 317524

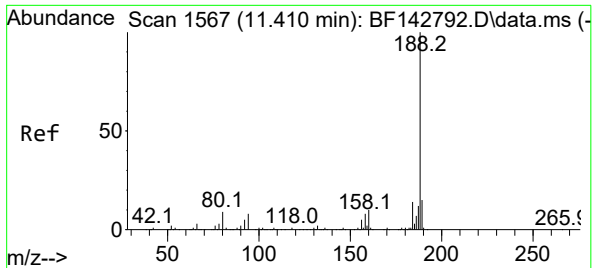
Ion Ratio Lower Upper

172 100

171 35.3 28.2 42.4

170 22.7 18.5 27.7

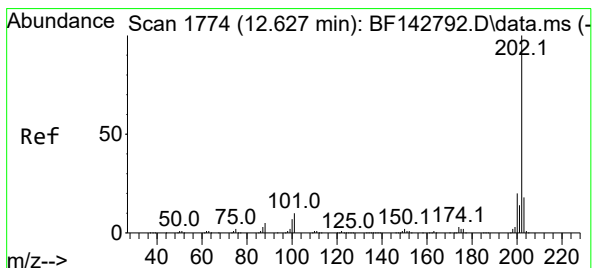
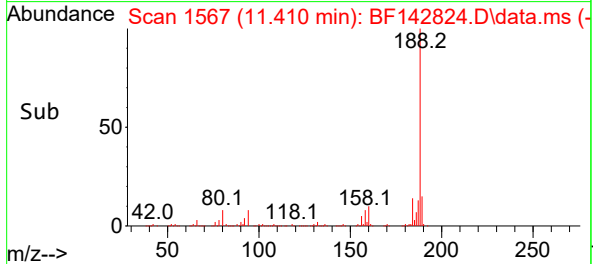
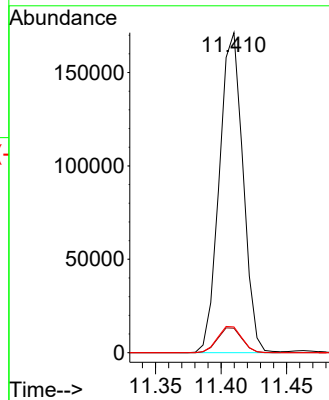
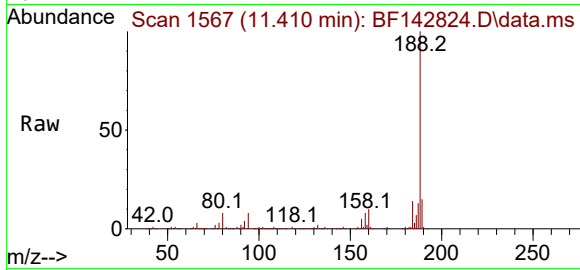




#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.410 min Scan# 11
Delta R.T. 0.000 min
Lab File: BF142824.D
Acq: 24 Jun 2025 17:33

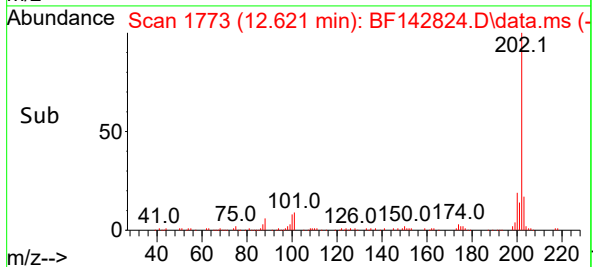
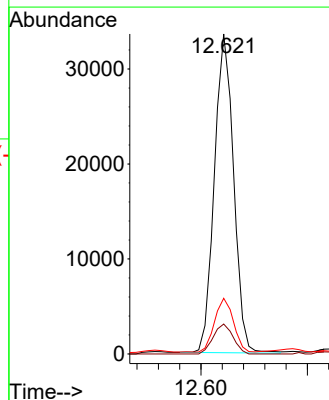
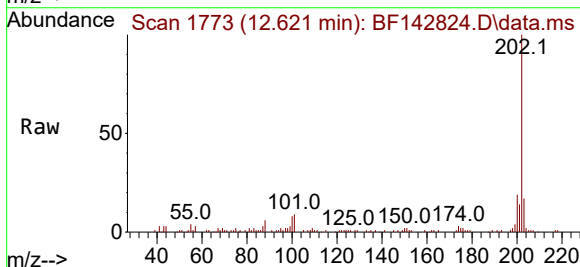
Instrument :
BNA_F
ClientSampleId :
PARK AVE -3

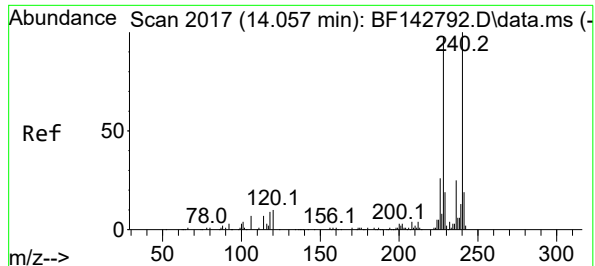
Tgt Ion	Ratio	Lower	Upper
188	100		
94	7.7	6.7	10.1
80	8.0	6.9	10.3



#75
Fluoranthene
Concen: 3.796 ng
RT: 12.621 min Scan# 1773
Delta R.T. -0.006 min
Lab File: BF142824.D
Acq: 24 Jun 2025 17:33

Tgt Ion	Ratio	Lower	Upper
202	100		
101	9.3	0.0	29.7
203	17.4	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: BF142824.D

Acq: 24 Jun 2025 17:33

Instrument :

BNA_F

ClientSampleId :

PARK AVE -3

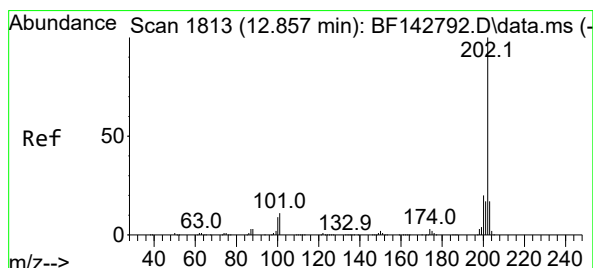
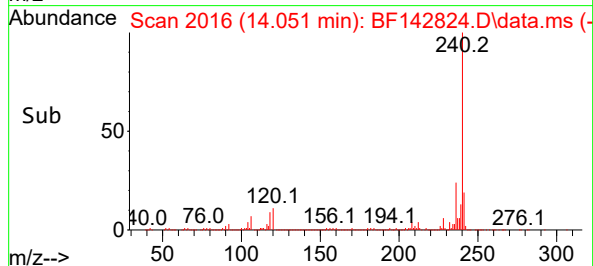
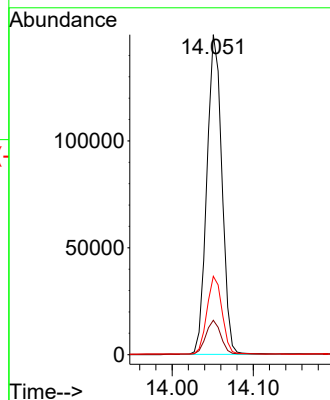
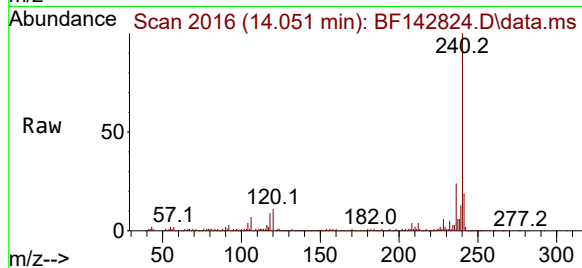
Tgt Ion:240 Resp: 191648

Ion Ratio Lower Upper

240 100

120 10.8 8.2 12.2

236 24.5 19.8 29.8



#78

Pyrene

Concen: 2.252 ng

RT: 12.851 min Scan# 1812

Delta R.T. -0.006 min

Lab File: BF142824.D

Acq: 24 Jun 2025 17:33

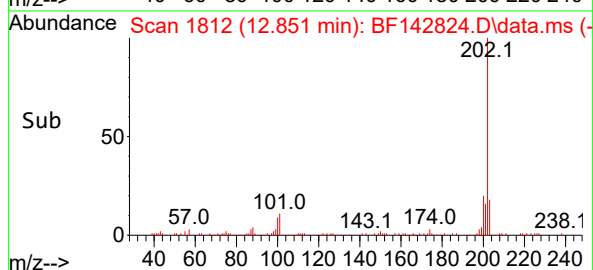
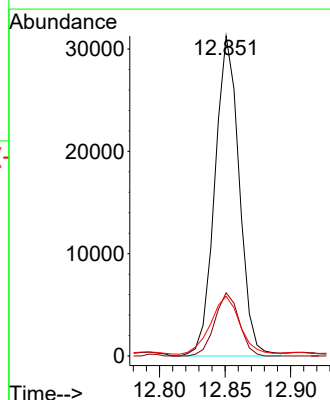
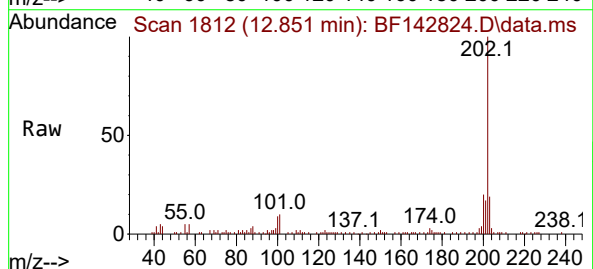
Tgt Ion:202 Resp: 40452

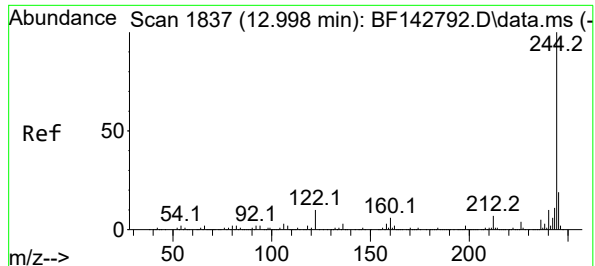
Ion Ratio Lower Upper

202 100

200 19.7 15.7 23.5

203 18.7 13.8 20.6





#79

Terphenyl-d14

Concen: 36.377 ng

RT: 12.992 min Scan# 1836

Delta R.T. -0.006 min

Lab File: BF142824.D

Acq: 24 Jun 2025 17:33

Instrument :

BNA_F

ClientSampleId :

PARK AVE -3

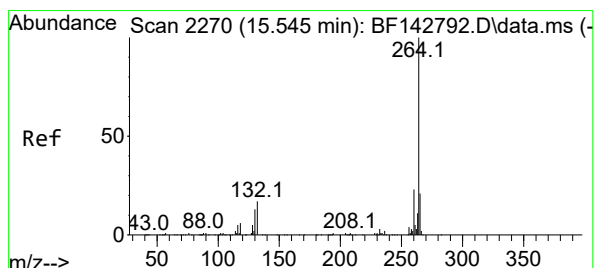
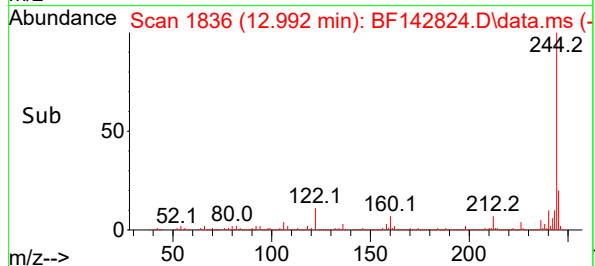
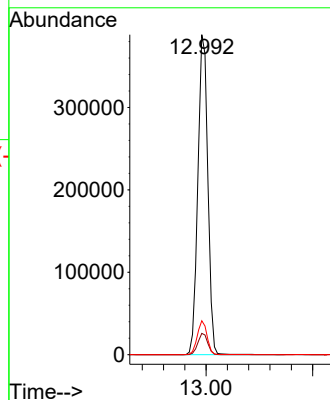
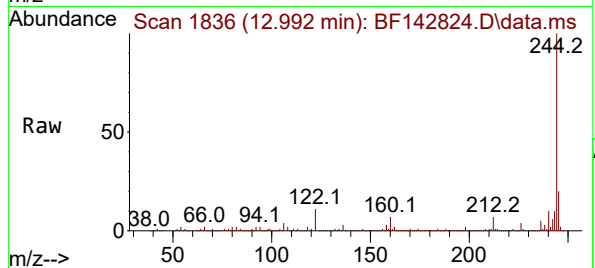
Tgt Ion:244 Resp: 504565

Ion Ratio Lower Upper

244 100

212 6.7 5.4 8.0

122 10.6 8.2 12.2



#86

Perylene-d12

Concen: 20.000 ng

RT: 15.545 min Scan# 2270

Delta R.T. 0.000 min

Lab File: BF142824.D

Acq: 24 Jun 2025 17:33

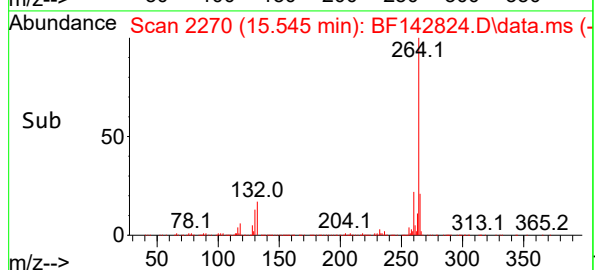
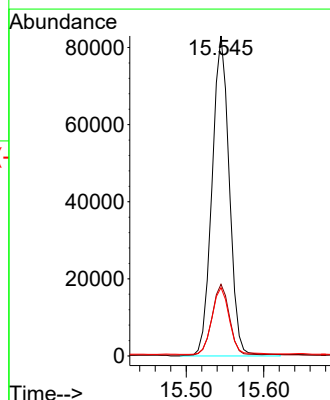
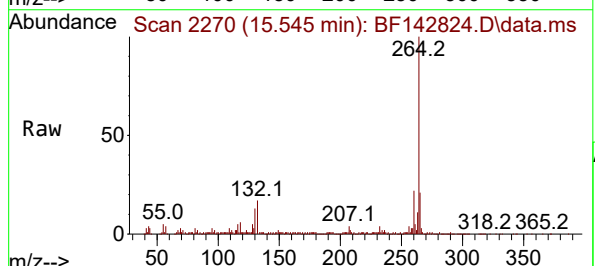
Tgt Ion:264 Resp: 128238

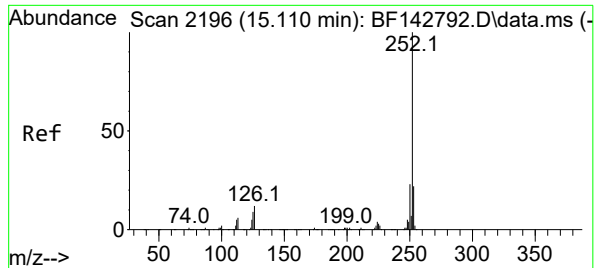
Ion Ratio Lower Upper

264 100

260 22.4 18.1 27.1

265 21.4 16.6 25.0





#88

Benzo(b)fluoranthene

Concen: 2.309 ng m

RT: 15.104 min Scan# 21

Delta R.T. -0.006 min

Lab File: BF142824.D

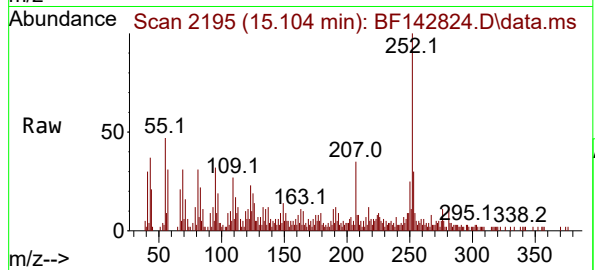
Acq: 24 Jun 2025 17:33

Instrument :

BNA_F

ClientSampleId :

PARK AVE -3



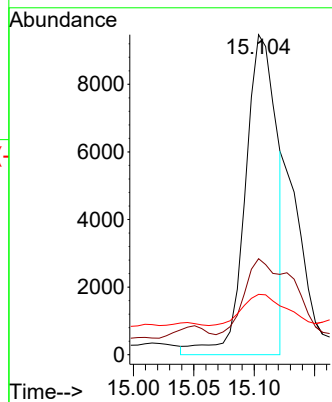
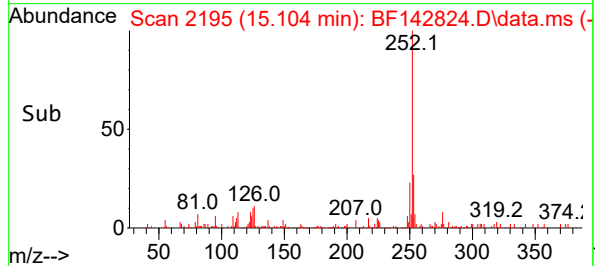
Tgt Ion:252 Resp: 17137

Ion Ratio Lower Upper

252 100

253 30.0 17.5 26.3#

125 18.8 7.4 11.0#



Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF062425\
Data File : BF142824.D
Acq On : 24 Jun 2025 17:33
Operator : RC/JU
Sample : Q2393-05
Misc :
ALS Vial : 15 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
PARK AVE -3

Integration Parameters: rteint.p

Integrator: RTE

Smoothing : ON

Sampling : 1

Start Thrs: 0.2

Stop Thrs : 0

Filtering: 5

Min Area: 3 % of largest Peak

Max Peaks: 100

Peak Location: TOP

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

Peak separation: 5

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

Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

Signal : TIC: BF142824.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	68513	99858	7.44%	1.132%
2	5.492	555	561	580	rBV	670500	855352	63.69%	9.696%
3	6.504	728	733	748	rBV	701195	889344	66.22%	10.082%
4	6.881	792	797	802	rBV	289179	362111	26.96%	4.105%
5	7.439	881	892	897	rBV	368855	459491	34.21%	5.209%
6	8.163	1007	1015	1022	rBV	360639	444762	33.12%	5.042%
7	9.239	1192	1198	1203	rBV	695850	883308	65.77%	10.013%
8	9.916	1309	1313	1318	rBV	363269	463992	34.55%	5.260%
9	10.345	1378	1386	1389	rBV3	10367	16533	1.23%	0.187%
10	10.633	1430	1435	1442	rBV	75381	98861	7.36%	1.121%
11	10.710	1442	1448	1459	rVV	557901	732344	54.53%	8.302%
12	10.822	1463	1467	1477	rVB2	15110	25652	1.91%	0.291%
13	11.269	1538	1543	1545	rBV	11781	16121	1.20%	0.183%
14	11.410	1561	1567	1575	rBV	411235	569475	42.40%	6.456%
15	11.927	1648	1655	1667	rBV3	92301	165172	12.30%	1.872%
16	12.021	1667	1671	1679	rVB4	13655	29133	2.17%	0.330%
17	12.104	1681	1685	1689	rBV2	9943	14103	1.05%	0.160%
18	12.492	1748	1751	1757	rVB5	13182	19412	1.45%	0.220%
19	12.621	1769	1773	1778	rBV	76592	102301	7.62%	1.160%
20	12.716	1786	1789	1794	rBV3	14661	20691	1.54%	0.235%
21	12.851	1807	1812	1820	rBV	69503	103004	7.67%	1.168%
22	12.992	1831	1836	1844	rVB	1030337	1342955	100.00%	15.224%
23	13.892	1985	1989	1999	rVB2	79286	136898	10.19%	1.552%
24	14.051	2011	2016	2028	rVB	411287	591455	44.04%	6.705%
25	15.545	2265	2270	2280	rVB	224942	379203	28.24%	4.299%

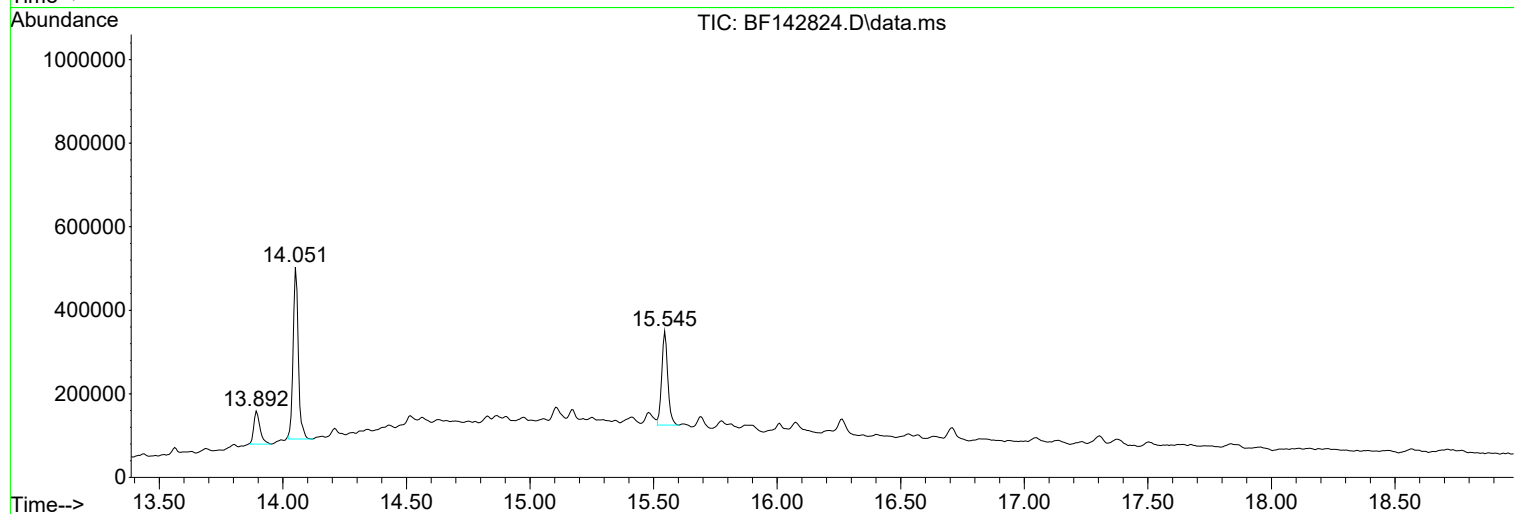
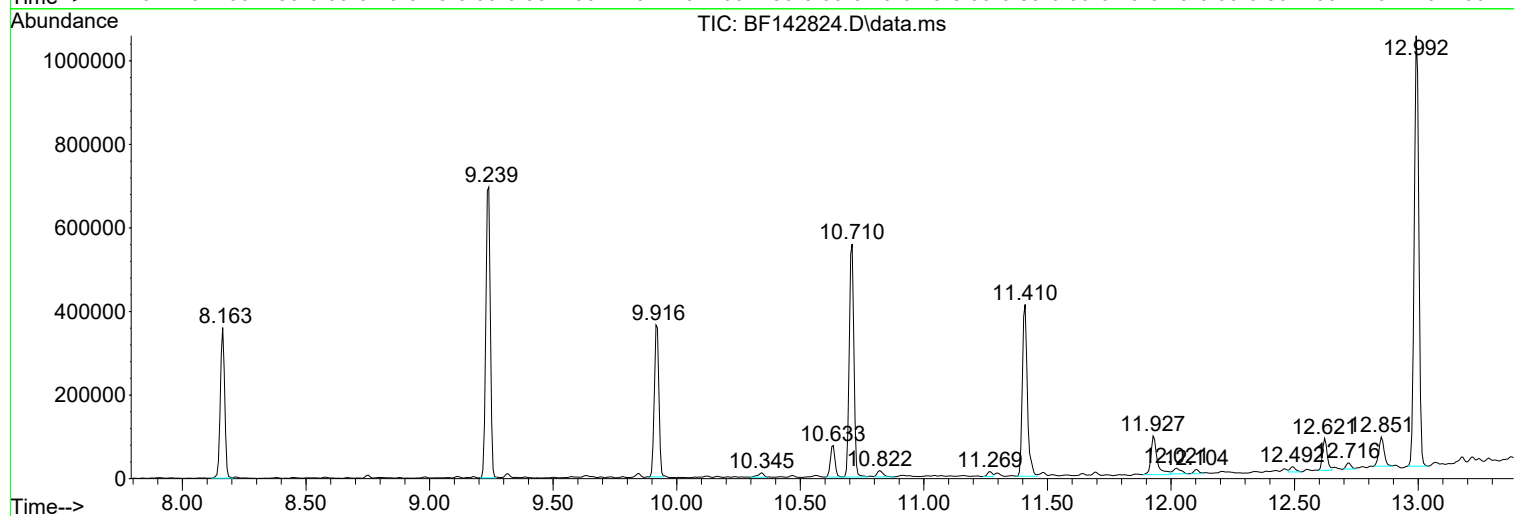
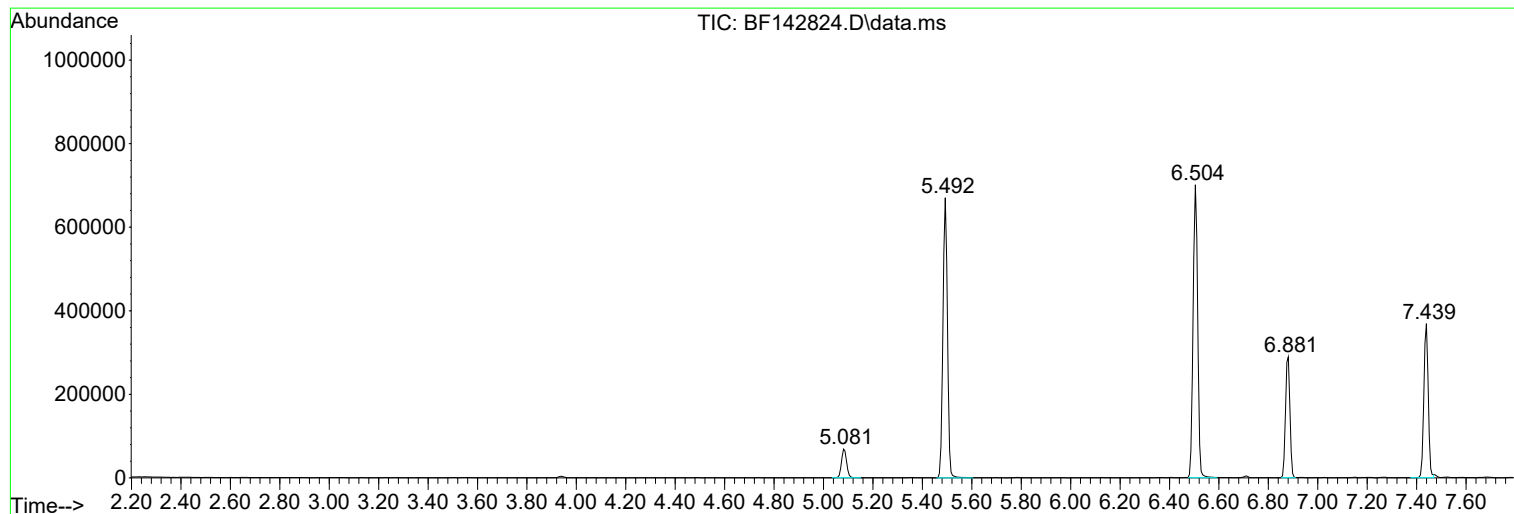
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Data File : BF142824.D
Acq On : 24 Jun 2025 17:33
Operator : RC/JU
Sample : Q2393-05
Misc :
ALS Vial : 15 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
PARK AVE -3

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\BF062425\
Data File : BF142824.D
Acq On : 24 Jun 2025 17:33
Operator : RC/JU
Sample : Q2393-05
Misc :
ALS Vial : 15 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
PARK AVE -3

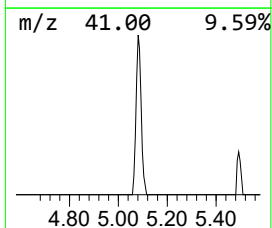
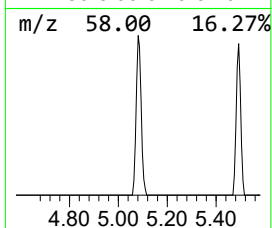
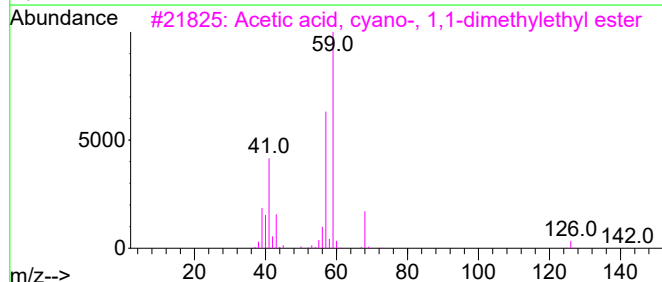
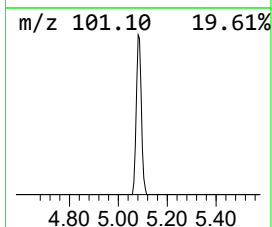
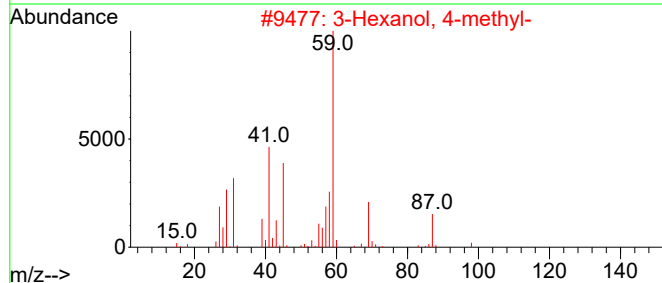
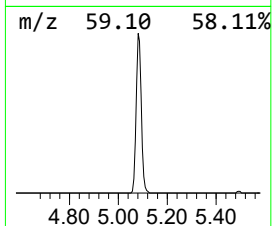
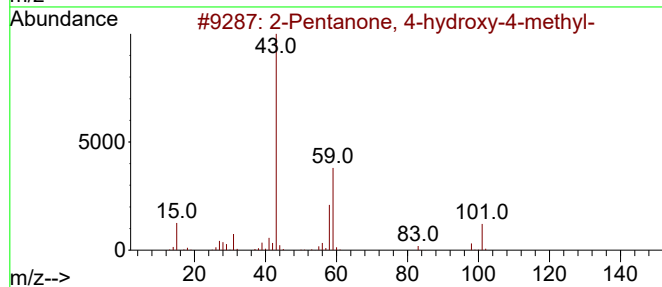
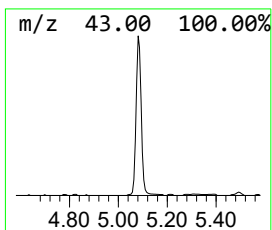
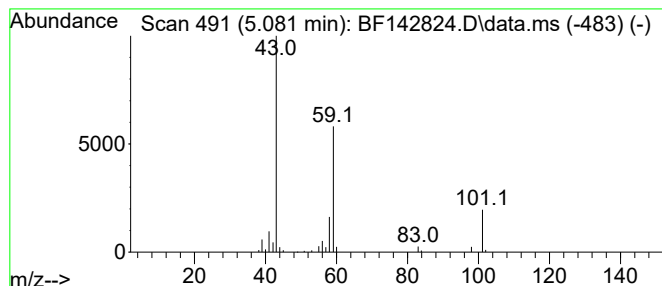
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

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

R.T.	EstConc	Area	Relative to ISTD	R.T.
5.081	5.52 ng	99858	1,4-Dichlorobenzene-d4	6.881

Hit#	of	5	Tentative ID	MW	MolForm	CAS#	Qual
1	2-Pentanone, 4-hydroxy-4-methyl-	116	C6H12O2	000123-42-2	72		
2	3-Hexanol, 4-methyl-	116	C7H16O	000615-29-2	28		
3	Acetic acid, cyano-, 1,1-dimethy...	141	C7H11NO2	001116-98-9	25		
4	1-Propen-2-ol, acetate	100	C5H8O2	000108-22-5	10		
5	Morpholine, 4-methyl-	101	C5H11NO	000109-02-4	9		



Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF062425\
Data File : BF142824.D
Acq On : 24 Jun 2025 17:33
Operator : RC/JU
Sample : Q2393-05
Misc :
ALS Vial : 15 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
PARK AVE -3

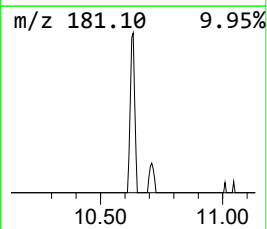
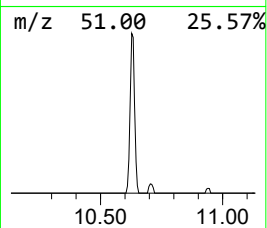
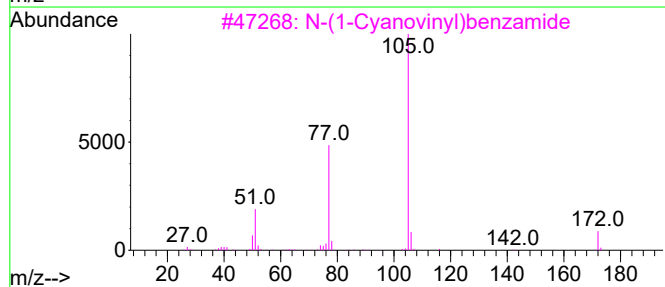
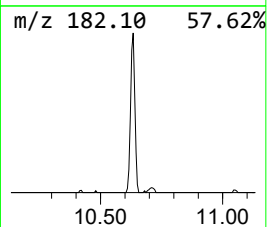
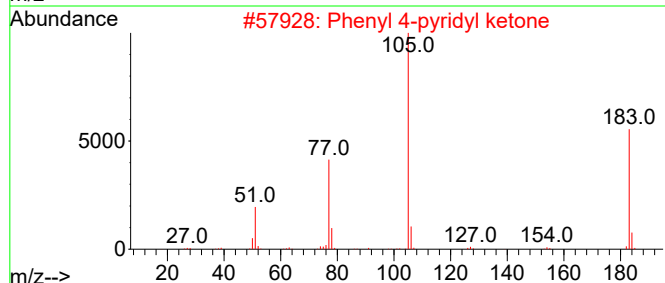
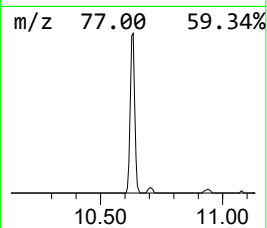
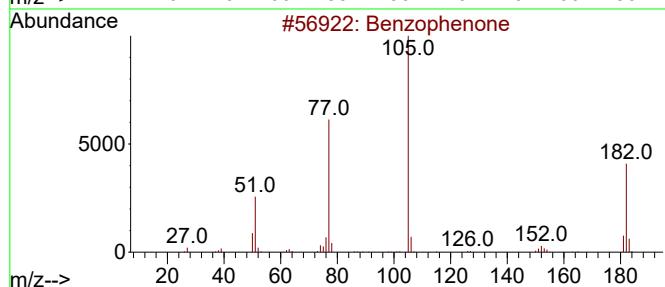
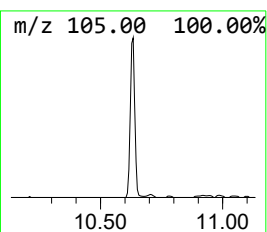
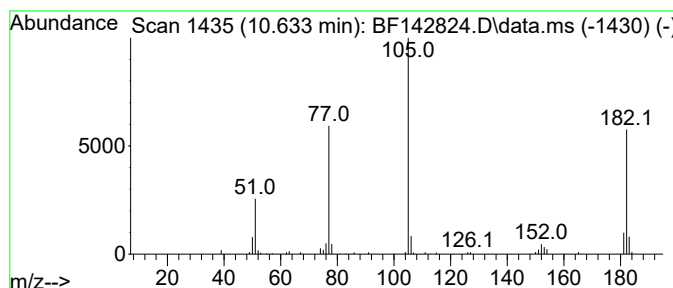
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF061925.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 2 Benzophenone Concentration Rank 4

R.T.	EstConc	Area	Relative to ISTD	R.T.
10.633	4.26 ng	98861	Acenaphthene-d10	9.916

Hit#	of	5	Tentative ID	MW	MolForm	CAS#	Qual
1			Benzophenone	182	C13H10O	000119-61-9	97
2			Phenyl 4-pyridyl ketone	183	C12H9NO	014548-46-0	53
3			N-(1-Cyanovinyl)benzamide	172	C10H8N2O	1000186-19-1	47
4			N-Methylbenzamide, N-trifluoroac...	231	C10H8F3NO2	1000446-91-5	47
5			Benzoic acid, phenyl ester	198	C13H10O2	000093-99-2	47



Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF062425\
Data File : BF142824.D
Acq On : 24 Jun 2025 17:33
Operator : RC/JU
Sample : Q2393-05
Misc :
ALS Vial : 15 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
PARK AVE -3

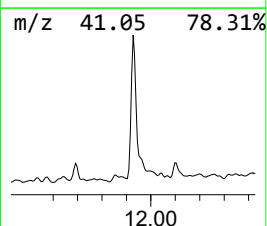
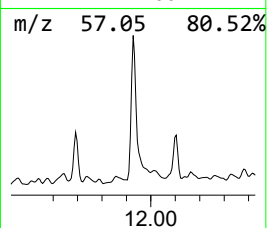
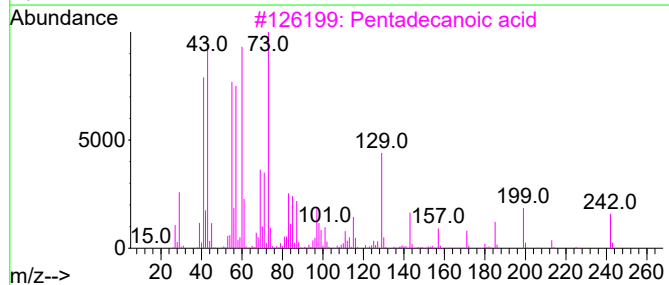
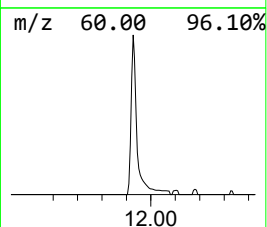
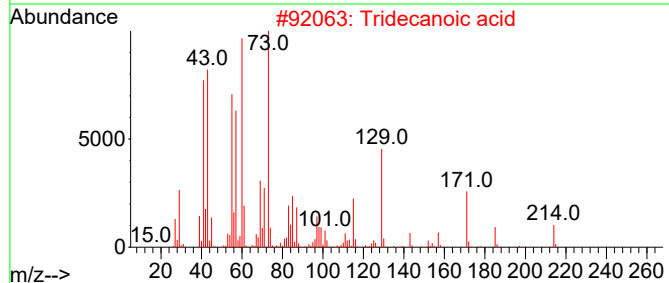
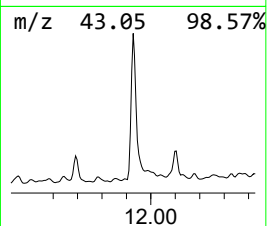
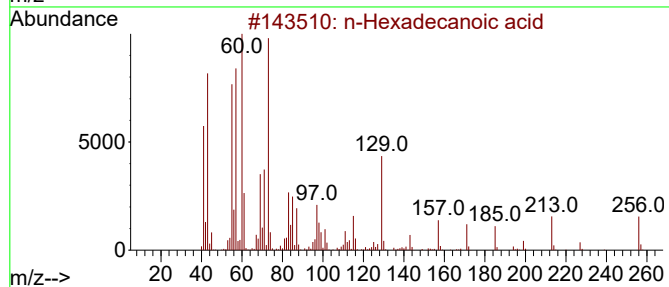
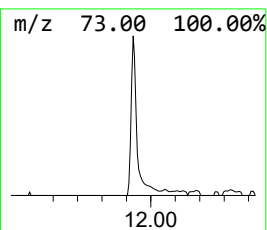
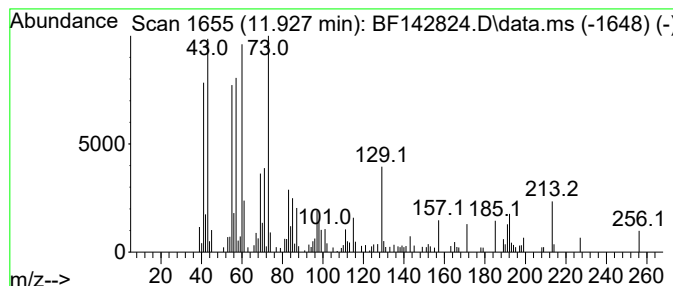
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 3 n-Hexadecanoic acid Concentration Rank 1

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.927	5.80 ng	165172	Phenanthrene-d10	11.410

Hit#	of	5	Tentative ID	MW	MolForm	CAS#	Qual
1			n-Hexadecanoic acid	256	C16H32O2	000057-10-3	99
2			Tridecanoic acid	214	C13H26O2	000638-53-9	93
3			Pentadecanoic acid	242	C15H30O2	001002-84-2	90
4			Tetradecanoic acid	228	C14H28O2	000544-63-8	87
5			n-Butyl n-pentyl disulfide	192	C9H20S2	072437-52-6	25



Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF062425\
Data File : BF142824.D
Acq On : 24 Jun 2025 17:33
Operator : RC/JU
Sample : Q2393-05
Misc :
ALS Vial : 15 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
PARK AVE -3

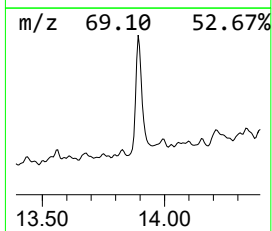
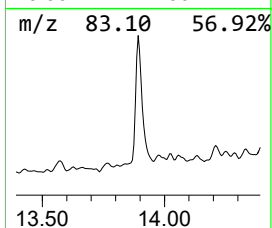
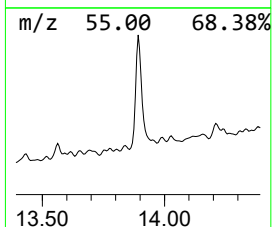
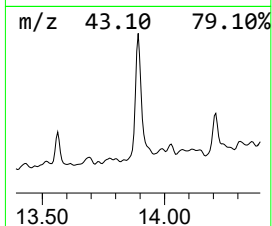
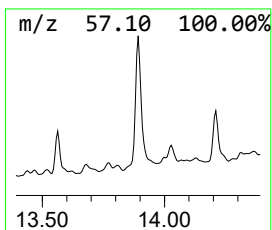
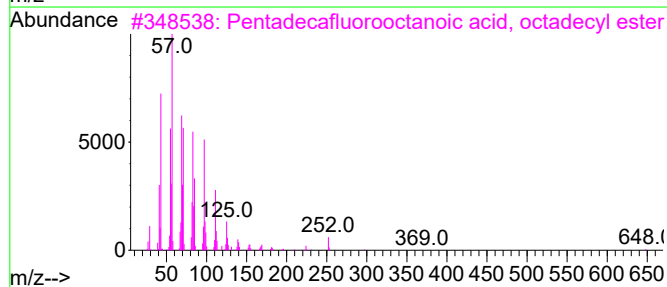
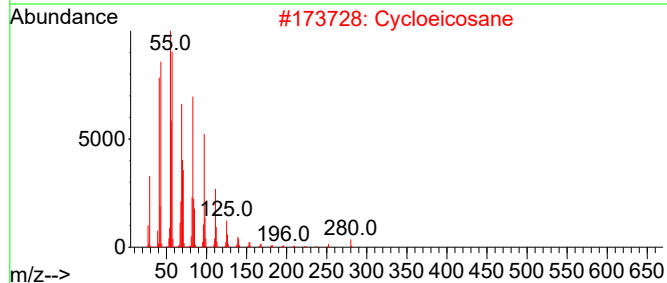
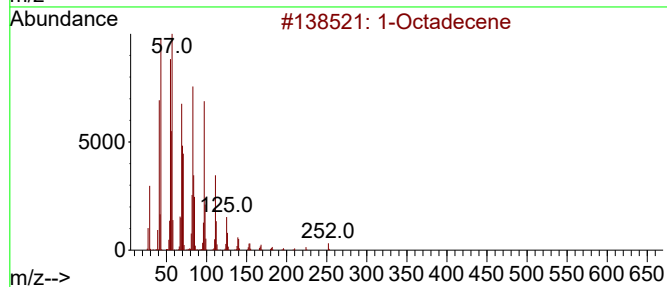
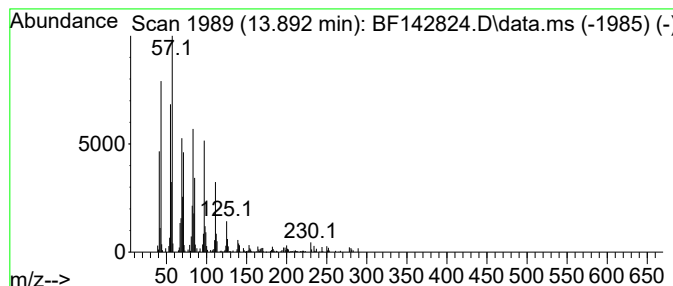
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 4 1-Octadecene Concentration Rank 3

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.892	4.63 ng	136898	Chrysene-d12	14.051

Hit#	of	5	Tentative ID	MW	MolForm	CAS#	Qual
1			1-Octadecene	252	C18H36	000112-88-9	97
2			Cycloeicosane	280	C20H40	000296-56-0	97
3			Pentadecafluorooctanoic acid, oc...	666	C26H37F15O2	1000406-04-8	94
4			Heptadecyl heptafluorobutyrate	452	C21H35F7O2	959085-66-6	93
5			Tricosyl trifluoroacetate	436	C25H47F3O2	1000351-75-1	91



Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF062425\
Data File : BF142824.D
Acq On : 24 Jun 2025 17:33
Operator : RC/JU
Sample : Q2393-05
Misc :
ALS Vial : 15 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
PARK AVE -3

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	5.5	ng	99858	1	6.881	362111	20.0
Benzophenone	10.633	4.3	ng	98861	3	9.916	463992	20.0
n-Hexadecanoic ...	11.927	5.8	ng	165172	4	11.410	569475	20.0
1-Octadecene	13.892	4.6	ng	136898	5	14.051	591455	20.0

Report of Analysis

Client:	Union Paving & Construction Company	Date Collected:	06/23/25
Project:	190 Park Ave Hanover Twp NJ - PO 2556-001	Date Received:	06/23/25
Client Sample ID:	PARK AVE -4	SDG No.:	Q2393
Lab Sample ID:	Q2393-07	Matrix:	SOIL
Analytical Method:	8270E	% Solid:	87.7
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
BF142825.D	1	06/24/25 13:00	06/24/25 18:03	PB168601

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	25.1	U	25.1	190	ug/Kg
111-44-4	bis(2-Chloroethyl)ether	27.6	U	27.6	190	ug/Kg
95-57-8	2-Chlorophenol	27.7	U	27.7	190	ug/Kg
95-48-7	2-Methylphenol	34.0	U	34.0	190	ug/Kg
108-60-1	2,2-oxybis(1-Chloropropane)	42.6	U	42.6	190	ug/Kg
98-86-2	Acetophenone	33.5	U	33.5	190	ug/Kg
65794-96-9	3+4-Methylphenols	46.7	U	46.7	380	ug/Kg
621-64-7	n-Nitroso-di-n-propylamine	53.9	U	53.9	91.0	ug/Kg
67-72-1	Hexachloroethane	20.0	U	20.0	190	ug/Kg
98-95-3	Nitrobenzene	20.8	U	20.8	190	ug/Kg
78-59-1	Isophorone	37.3	U	37.3	190	ug/Kg
88-75-5	2-Nitrophenol	66.2	U	66.2	190	ug/Kg
105-67-9	2,4-Dimethylphenol	73.7	U	73.7	190	ug/Kg
111-91-1	bis(2-Chloroethoxy)methane	35.0	U	35.0	190	ug/Kg
120-83-2	2,4-Dichlorophenol	32.2	U	32.2	190	ug/Kg
91-20-3	Naphthalene	25.8	U	25.8	190	ug/Kg
106-47-8	4-Chloroaniline	40.3	U	40.3	190	ug/Kg
87-68-3	Hexachlorobutadiene	28.8	U	28.8	190	ug/Kg
105-60-2	Caprolactam	59.2	U	59.2	380	ug/Kg
59-50-7	4-Chloro-3-methylphenol	32.6	U	32.6	190	ug/Kg
91-57-6	2-Methylnaphthalene	29.1	U	29.1	190	ug/Kg
77-47-4	Hexachlorocyclopentadiene	130	U	130	380	ug/Kg
88-06-2	2,4,6-Trichlorophenol	22.5	U	22.5	190	ug/Kg
95-95-4	2,4,5-Trichlorophenol	33.1	U	33.1	190	ug/Kg
92-52-4	1,1-Biphenyl	24.8	U	24.8	190	ug/Kg
91-58-7	2-Chloronaphthalene	25.6	U	25.6	190	ug/Kg
88-74-4	2-Nitroaniline	54.7	U	54.7	190	ug/Kg
131-11-3	Dimethylphthalate	30.8	U	30.8	190	ug/Kg

Report of Analysis

Client:	Union Paving & Construction Company	Date Collected:	06/23/25
Project:	190 Park Ave Hanover Twp NJ - PO 2556-001	Date Received:	06/23/25
Client Sample ID:	PARK AVE -4	SDG No.:	Q2393
Lab Sample ID:	Q2393-07	Matrix:	SOIL
Analytical Method:	8270E	% Solid:	87.7
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
BF142825.D	1	06/24/25 13:00	06/24/25 18:03	PB168601

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units(Dry Weight)
208-96-8	Acenaphthylene	32.9	U	32.9	190	ug/Kg
606-20-2	2,6-Dinitrotoluene	38.2	U	38.2	190	ug/Kg
99-09-2	3-Nitroaniline	52.3	U	52.3	190	ug/Kg
83-32-9	Acenaphthene	24.2	U	24.2	190	ug/Kg
51-28-5	2,4-Dinitrophenol	260	U	260	380	ug/Kg
100-02-7	4-Nitrophenol	120	U	120	380	ug/Kg
132-64-9	Dibenzofuran	25.8	U	25.8	190	ug/Kg
121-14-2	2,4-Dinitrotoluene	57.0	U	57.0	190	ug/Kg
84-66-2	Diethylphthalate	32.2	U	32.2	190	ug/Kg
7005-72-3	4-Chlorophenyl-phenylether	30.4	U	30.4	190	ug/Kg
86-73-7	Fluorene	28.8	U	28.8	190	ug/Kg
100-01-6	4-Nitroaniline	73.0	U	73.0	190	ug/Kg
534-52-1	4,6-Dinitro-2-methylphenol	120	U	120	380	ug/Kg
86-30-6	n-Nitrosodiphenylamine	37.4	U	37.4	190	ug/Kg
101-55-3	4-Bromophenyl-phenylether	31.6	U	31.6	190	ug/Kg
118-74-1	Hexachlorobenzene	28.8	U	28.8	190	ug/Kg
1912-24-9	Atrazine	38.7	U	38.7	190	ug/Kg
87-86-5	Pentachlorophenol	58.3	U	58.3	380	ug/Kg
85-01-8	Phenanthrene	430		23.8	190	ug/Kg
120-12-7	Anthracene	85.8	J	37.9	190	ug/Kg
86-74-8	Carbazole	35.5	U	35.5	190	ug/Kg
84-74-2	Di-n-butylphthalate	54.5	U	54.5	190	ug/Kg
206-44-0	Fluoranthene	550		34.1	190	ug/Kg
129-00-0	Pyrene	330		40.9	190	ug/Kg
85-68-7	Butylbenzylphthalate	81.2	UQ	81.2	190	ug/Kg
91-94-1	3,3-Dichlorobenzidine	41.7	UQ	41.7	380	ug/Kg
56-55-3	Benzo(a)anthracene	230		26.2	190	ug/Kg
218-01-9	Chrysene	200		22.6	190	ug/Kg
117-81-7	Bis(2-ethylhexyl)phthalate	67.3	U	67.3	190	ug/Kg
117-84-0	Di-n-octyl phthalate	98.7	U	98.7	380	ug/Kg
205-99-2	Benzo(b)fluoranthene	290		21.6	190	ug/Kg

Report of Analysis

Client:	Union Paving & Construction Company	Date Collected:	06/23/25
Project:	190 Park Ave Hanover Twp NJ - PO 2556-001	Date Received:	06/23/25
Client Sample ID:	PARK AVE -4	SDG No.:	Q2393
Lab Sample ID:	Q2393-07	Matrix:	SOIL
Analytical Method:	8270E	% Solid:	87.7
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
BF142825.D	1	06/24/25 13:00	06/24/25 18:03	PB168601

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units(Dry Weight)
207-08-9	Benzo(k)fluoranthene	110	J	25.5	190	ug/Kg
50-32-8	Benzo(a)pyrene	220		33.5	190	ug/Kg
193-39-5	Indeno(1,2,3-cd)pyrene	93.5	J	33.1	190	ug/Kg
53-70-3	Dibenzo(a,h)anthracene	31.2	U	31.2	190	ug/Kg
191-24-2	Benzo(g,h,i)perylene	110	J	29.2	190	ug/Kg
95-94-3	1,2,4,5-Tetrachlorobenzene	29.1	U	29.1	190	ug/Kg
123-91-1	1,4-Dioxane	51.4	U	51.4	190	ug/Kg
58-90-2	2,3,4,6-Tetrachlorophenol	31.2	U	31.2	190	ug/Kg

SURROGATES

367-12-4	2-Fluorophenol	73.5		18 - 112	49%	SPK: 150
13127-88-3	Phenol-d6	73.2		15 - 107	49%	SPK: 150
4165-60-0	Nitrobenzene-d5	47.4		18 - 107	47%	SPK: 100
321-60-8	2-Fluorobiphenyl	46.4		20 - 109	46%	SPK: 100
118-79-6	2,4,6-Tribromophenol	82.5		10 - 116	55%	SPK: 150
1718-51-0	Terphenyl-d14	38.2		10 - 105	38%	SPK: 100

INTERNAL STANDARDS

3855-82-1	1,4-Dichlorobenzene-d4	62200	6.881
1146-65-2	Naphthalene-d8	204000	8.163
15067-26-2	Acenaphthene-d10	93600	9.916
1517-22-2	Phenanthrene-d10	176000	11.41
1719-03-5	Chrysene-d12	164000	14.051
1520-96-3	Perylene-d12	109000	15.545

TENTATIVE IDENTIFIED COMPOUNDS

000123-42-2	2-Pentanone, 4-hydroxy-4-methyl-	250	AB	5.09	ug/Kg
000119-61-9	Benzophenone	160	J	10.6	ug/Kg
002531-84-2	Phenanthrene, 2-methyl-	390	J	11.9	ug/Kg
000203-64-5	4H-Cyclopenta[def]phenanthrene	230	J	12.0	ug/Kg
003674-66-6	Phenanthrene, 2,5-dimethyl-	110	J	12.5	ug/Kg
002381-21-7	Pyrene, 1-methyl-	78.5	J	13.2	ug/Kg
074685-30-6	5-Eicosene, (E)-	170	J	13.9	ug/Kg

Report of Analysis

Client:	Union Paving & Construction Company	Date Collected:	06/23/25
Project:	190 Park Ave Hanover Twp NJ - PO 2556-001	Date Received:	06/23/25
Client Sample ID:	PARK AVE -4	SDG No.:	Q2393
Lab Sample ID:	Q2393-07	Matrix:	SOIL
Analytical Method:	8270E	% Solid:	87.7
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
BF142825.D	1	06/24/25 13:00	06/24/25 18:03	PB168601

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\BF062425\
 Data File : BF142825.D
 Acq On : 24 Jun 2025 18:03
 Operator : RC/JU
 Sample : Q2393-07
 Misc :
 ALS Vial : 16 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 PARK AVE -4

Quant Time: Jun 25 01:29:08 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)

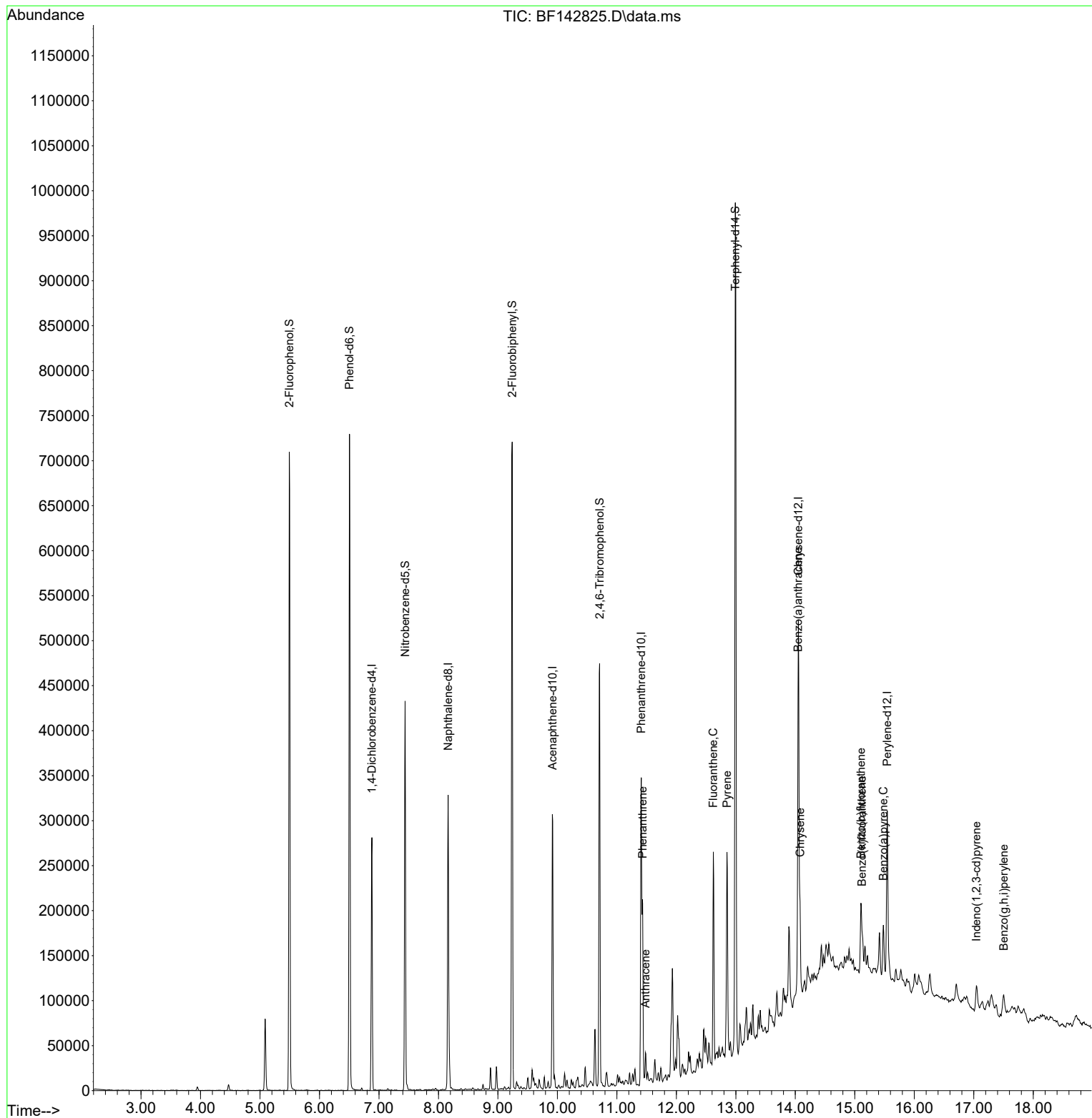
Internal Standards						
1) 1,4-Dichlorobenzene-d4	6.881	152	62168	20.000	ng	0.00
21) Naphthalene-d8	8.163	136	204115	20.000	ng	0.00
39) Acenaphthene-d10	9.916	164	93623	20.000	ng	0.00
64) Phenanthrene-d10	11.410	188	176025	20.000	ng	0.00
76) Chrysene-d12	14.051	240	164289	20.000	ng	0.00
86) Perylene-d12	15.545	264	108830	20.000	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.493	112	274425	73.494	ng	0.00
7) Phenol-d6	6.504	99	322389	73.181	ng	0.00
23) Nitrobenzene-d5	7.440	82	176503	47.431	ng	0.00
42) 2,4,6-Tribromophenol	10.710	330	79439	82.453	ng	0.00
45) 2-Fluorobiphenyl	9.240	172	330689	46.401	ng	0.00
79) Terphenyl-d14	12.992	244	454273	38.205	ng	0.00
Target Compounds						Qvalue
71) Phenanthrene	11.433	178	109101	11.442	ng	99
72) Anthracene	11.481	178	22143	2.264	ng	95
75) Fluoranthene	12.622	202	130199	14.387	ng	100
78) Pyrene	12.851	202	132593	8.610	ng	98
81) Benzo(a)anthracene	14.045	228	67610	6.100	ng	# 94
83) Chrysene	14.080	228	52805	5.339	ng	# 95
87) Indeno(1,2,3-cd)pyrene	17.045	276	20448	2.467	ng	95
88) Benzo(b)fluoranthene	15.104	252	47823m	7.594	ng	
89) Benzo(k)fluoranthene	15.121	252	17777m	3.017	ng	
90) Benzo(a)pyrene	15.480	252	35069	5.764	ng	# 94
92) Benzo(g,h,i)perylene	17.504	276	20296	3.022	ng	96

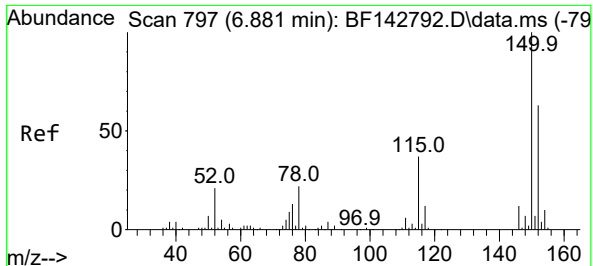
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF062425\
Data File : BF142825.D
Acq On : 24 Jun 2025 18:03
Operator : RC/JU
Sample : Q2393-07
Misc :
ALS Vial : 16 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
PARK AVE -4

Quant Time: Jun 25 01:29:08 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

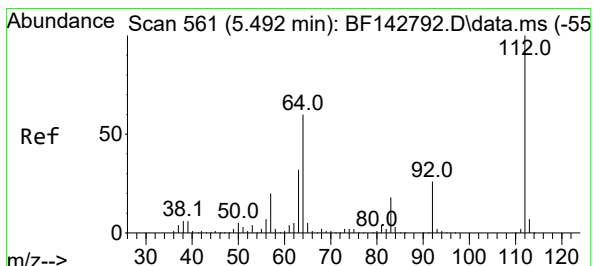
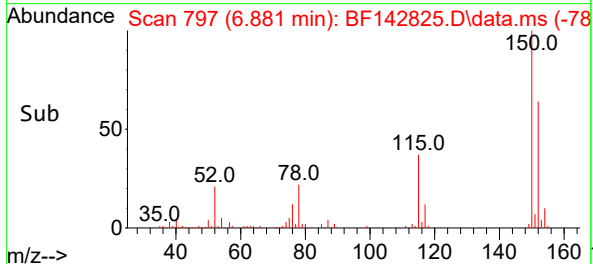
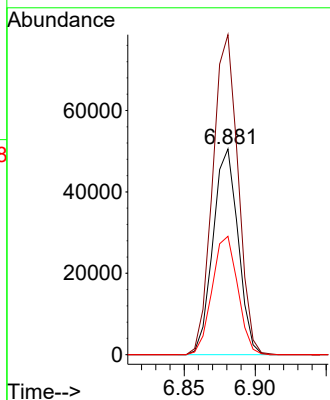
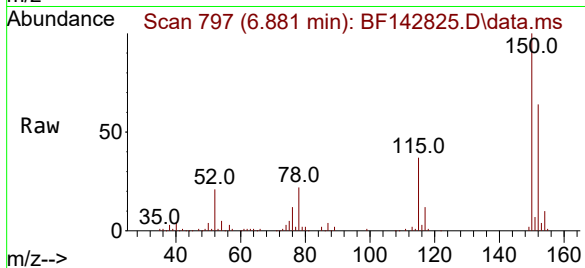




#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.881 min Scan# 797
Delta R.T. -0.000 min
Lab File: BF142825.D
Acq: 24 Jun 2025 18:03

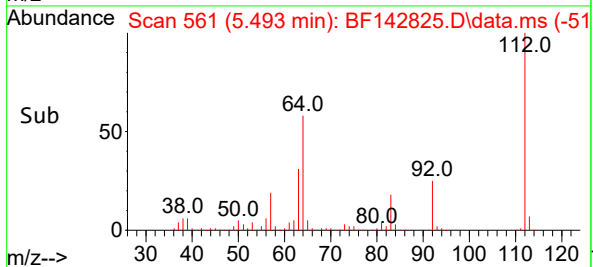
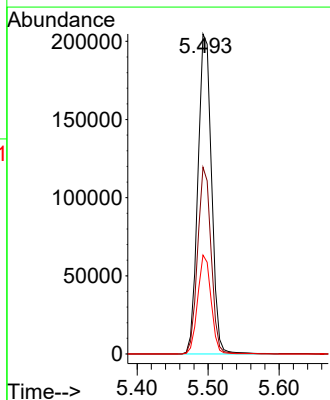
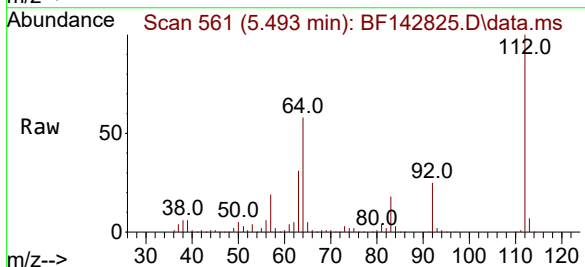
Instrument :
BNA_F
ClientSampleId :
PARK AVE -4

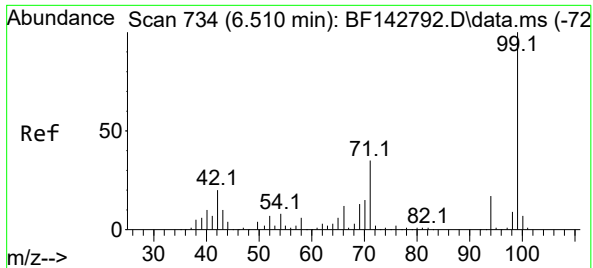
Tgt Ion:152 Resp: 62168
Ion Ratio Lower Upper
152 100
150 155.5 127.2 190.8
115 57.5 46.6 69.8



#5
2-Fluorophenol
Concen: 73.494 ng
RT: 5.493 min Scan# 561
Delta R.T. 0.001 min
Lab File: BF142825.D
Acq: 24 Jun 2025 18:03

Tgt Ion:112 Resp: 274425
Ion Ratio Lower Upper
112 100
64 58.4 48.2 72.2
63 30.9 25.7 38.5

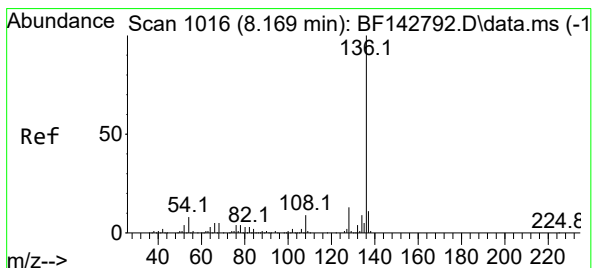
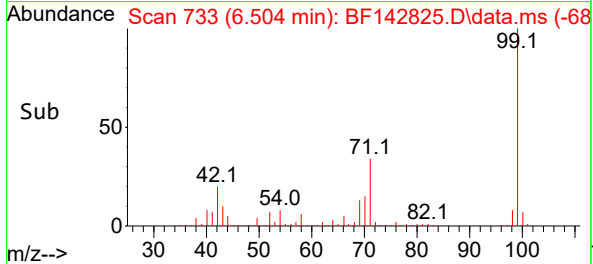
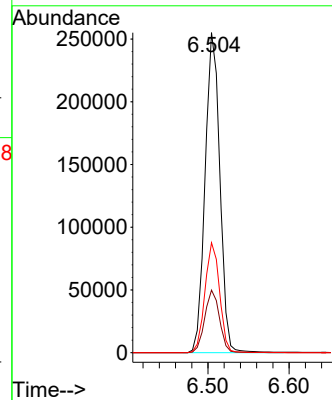
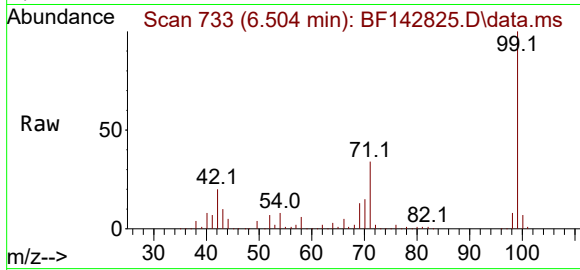




#7
Phenol-d6
Concen: 73.181 ng
RT: 6.504 min Scan# 71
Delta R.T. -0.006 min
Lab File: BF142825.D
Acq: 24 Jun 2025 18:03

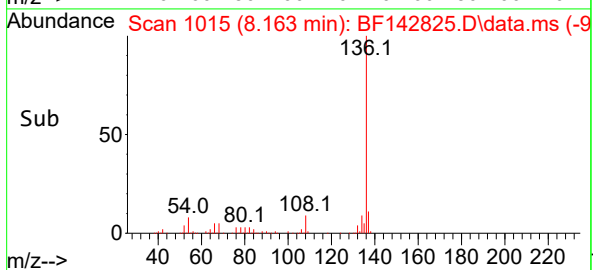
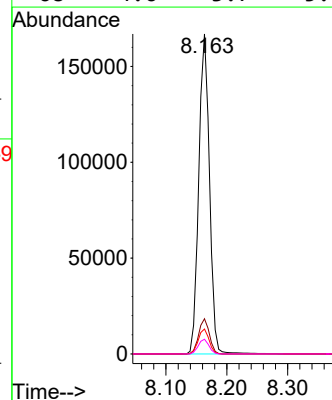
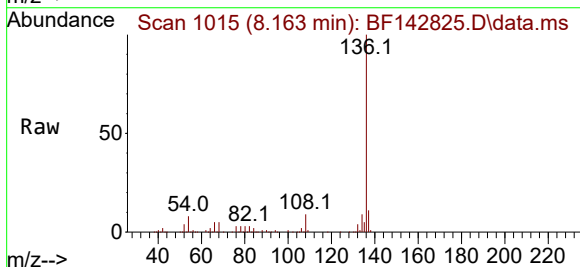
Instrument :
BNA_F
ClientSampleId :
PARK AVE -4

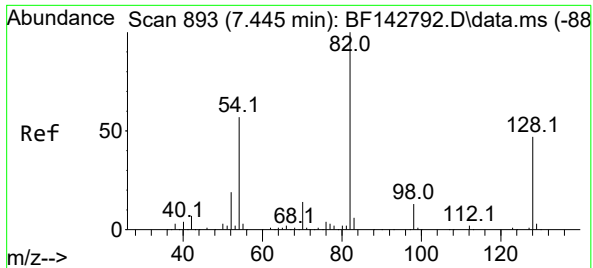
Tgt Ion: 99 Resp: 322389
Ion Ratio Lower Upper
99 100
42 19.5 15.9 23.9
71 34.3 27.8 41.8



#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.163 min Scan# 1015
Delta R.T. -0.006 min
Lab File: BF142825.D
Acq: 24 Jun 2025 18:03

Tgt Ion: 136 Resp: 204115
Ion Ratio Lower Upper
136 100
137 11.0 8.4 12.6
54 7.8 6.3 9.5
68 4.6 3.7 5.5





#23

Nitrobenzene-d5

Concen: 47.431 ng

RT: 7.440 min Scan# 89

Delta R.T. -0.005 min

Lab File: BF142825.D

Acq: 24 Jun 2025 18:03

Instrument :

BNA_F

ClientSampleId :

PARK AVE -4

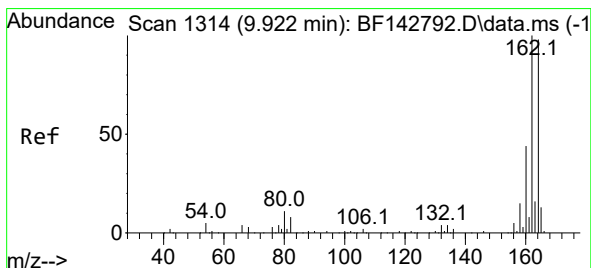
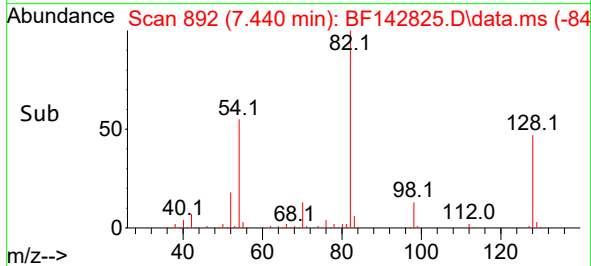
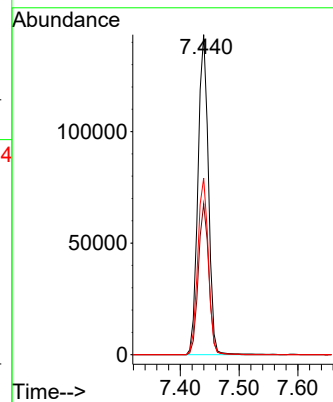
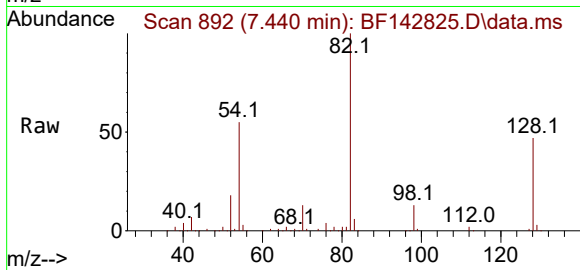
Tgt Ion: 82 Resp: 176503

Ion Ratio Lower Upper

82 100

128 47.1 37.7 56.5

54 55.2 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: BF142825.D

Acq: 24 Jun 2025 18:03

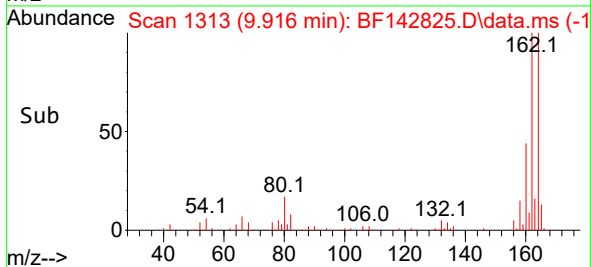
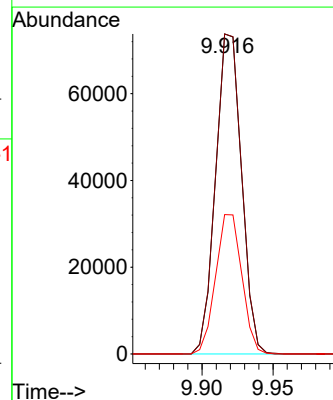
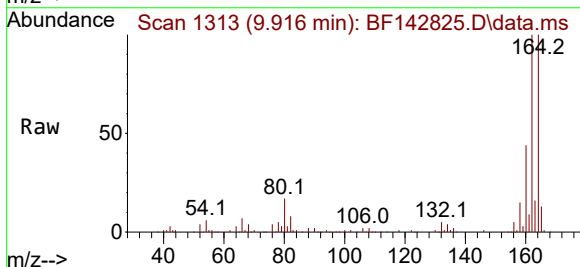
Tgt Ion:164 Resp: 93623

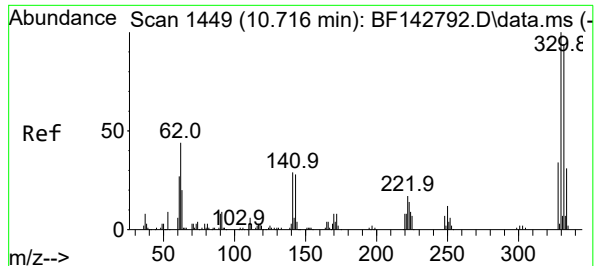
Ion Ratio Lower Upper

164 100

162 100.0 81.8 122.8

160 43.6 36.0 54.0





#42

2,4,6-Tribromophenol

Concen: 82.453 ng

RT: 10.710 min Scan# 1449

Delta R.T. -0.006 min

Lab File: BF142825.D

Acq: 24 Jun 2025 18:03

Instrument :

BNA_F

ClientSampleId :

PARK AVE -4

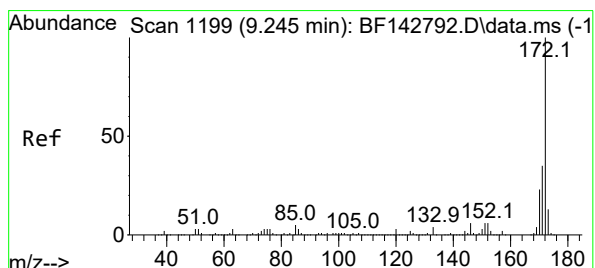
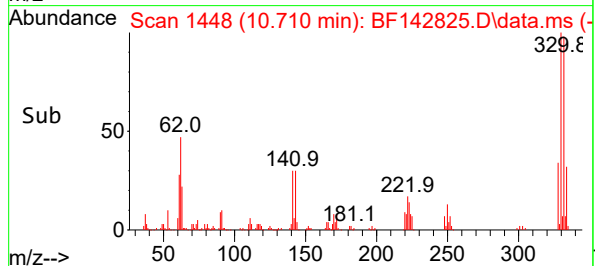
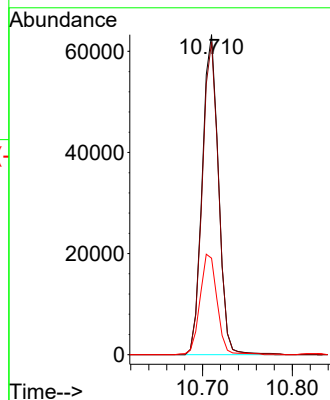
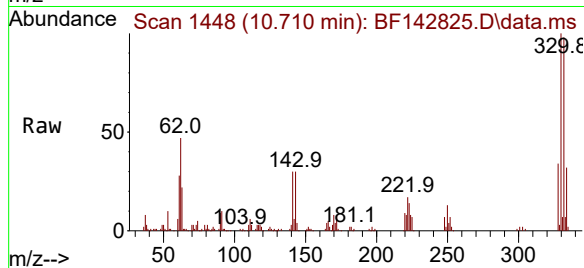
Tgt Ion:330 Resp: 79439

Ion Ratio Lower Upper

330 100

332 97.9 75.0 112.6

141 33.1 25.3 37.9



#45

2-Fluorobiphenyl

Concen: 46.401 ng

RT: 9.240 min Scan# 1198

Delta R.T. -0.005 min

Lab File: BF142825.D

Acq: 24 Jun 2025 18:03

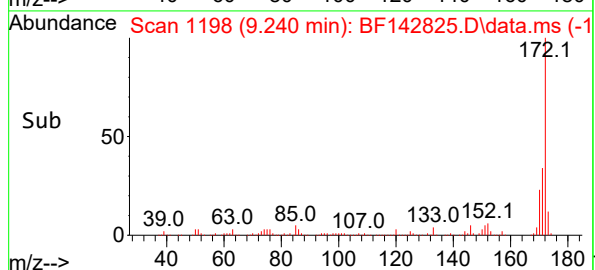
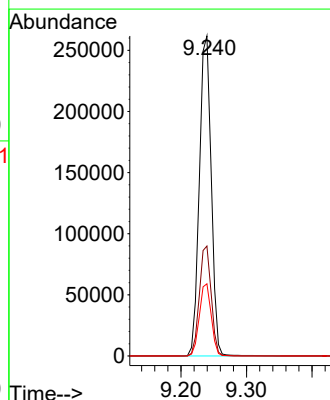
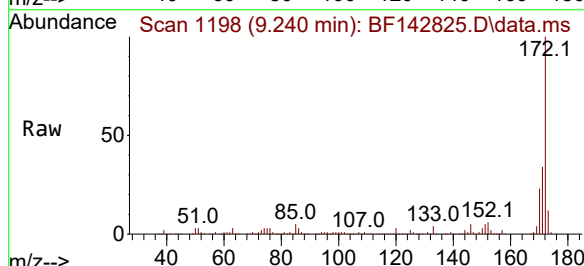
Tgt Ion:172 Resp: 330689

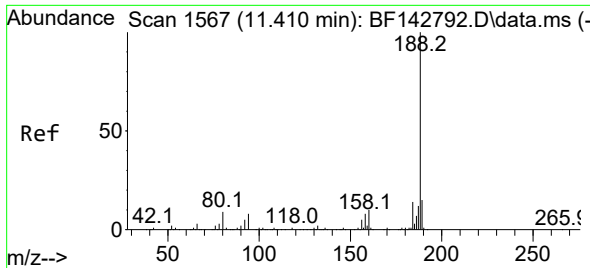
Ion Ratio Lower Upper

172 100

171 34.3 28.2 42.4

170 22.5 18.5 27.7

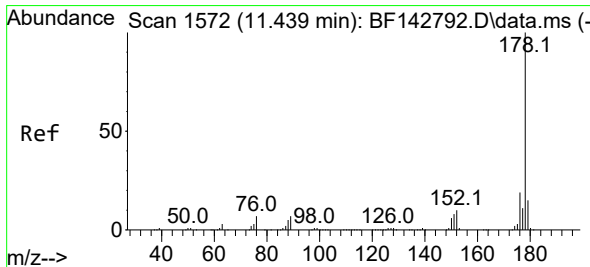
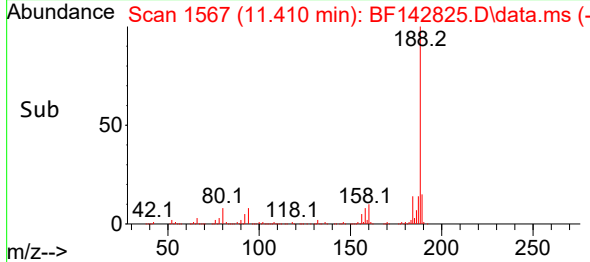
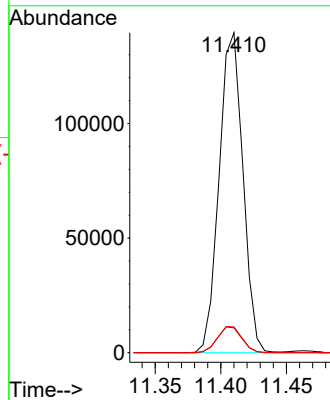
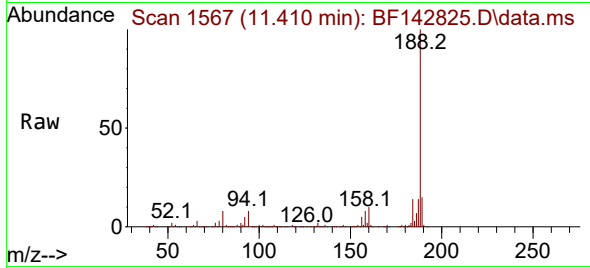




#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.410 min Scan# 1567
Delta R.T. 0.000 min
Lab File: BF142825.D
Acq: 24 Jun 2025 18:03

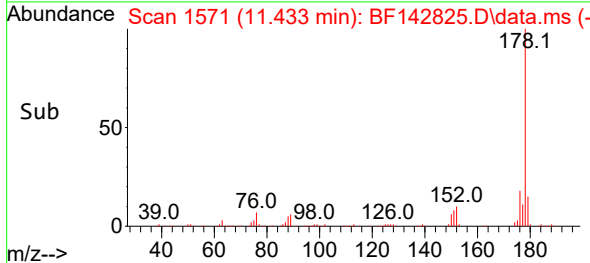
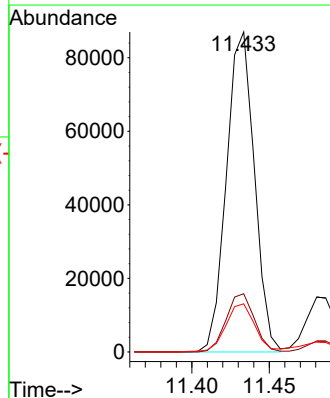
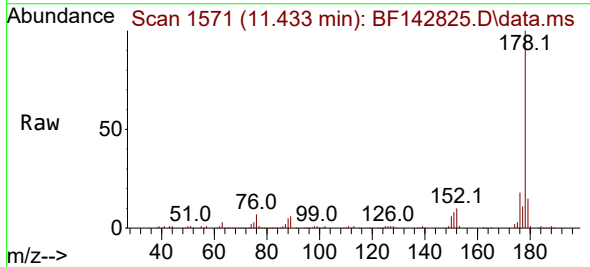
Instrument :
BNA_F
ClientSampleId :
PARK AVE -4

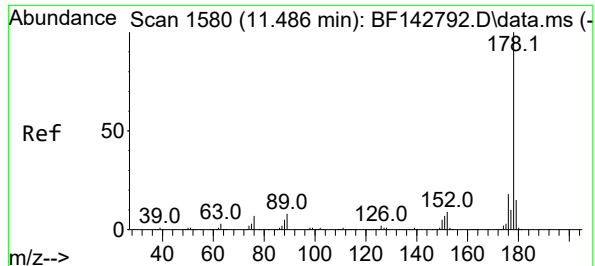
Tgt Ion	188	Resp	176025
Ion Ratio	Lower	Upper	
188	100		
94	7.8	6.7	10.1
80	8.1	6.9	10.3



#71
Phenanthrene
Concen: 11.442 ng
RT: 11.433 min Scan# 1571
Delta R.T. -0.006 min
Lab File: BF142825.D
Acq: 24 Jun 2025 18:03

Tgt Ion	178	Resp	109101
Ion Ratio	Lower	Upper	
178	100		
176	18.2	15.1	22.7
179	15.1	12.0	18.0

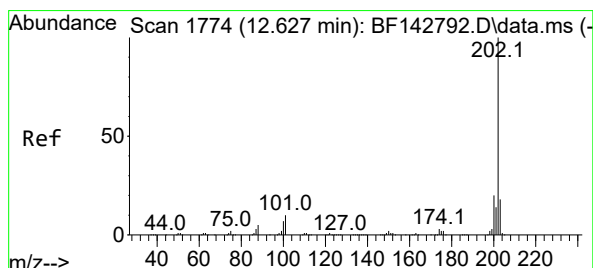
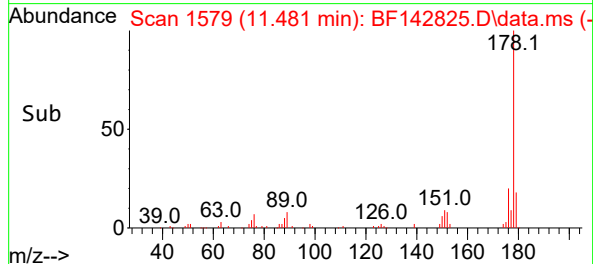
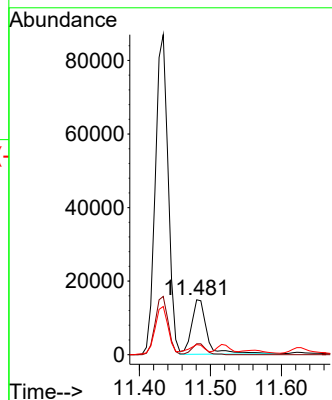
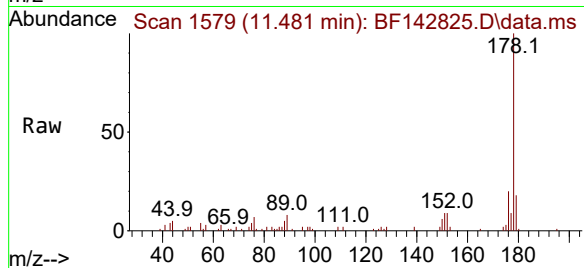




#72
Anthracene
Concen: 2.264 ng
RT: 11.481 min Scan# 11
Delta R.T. -0.006 min
Lab File: BF142825.D
Acq: 24 Jun 2025 18:03

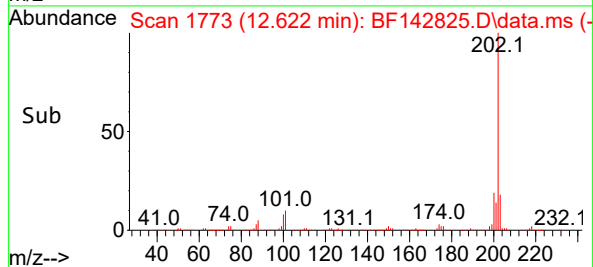
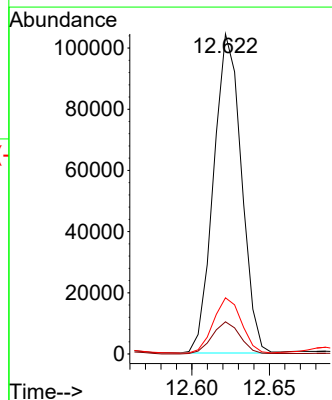
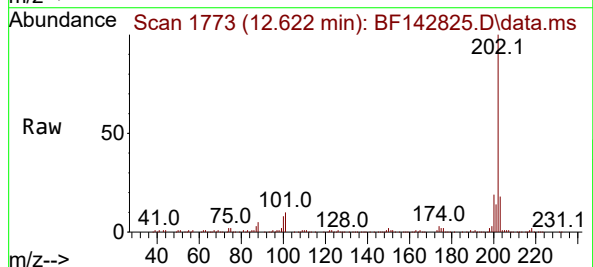
Instrument :
BNA_F
ClientSampleId :
PARK AVE -4

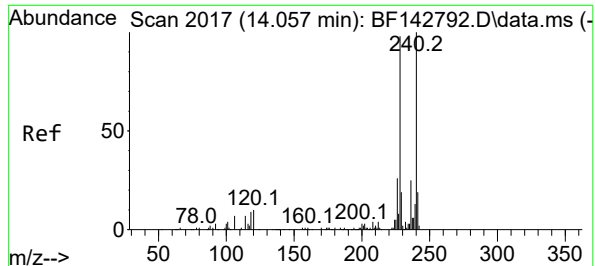
Tgt Ion:178 Resp: 22143
Ion Ratio Lower Upper
178 100
176 19.9 14.6 21.8
179 18.3 12.4 18.6



#75
Fluoranthene
Concen: 14.387 ng
RT: 12.622 min Scan# 1773
Delta R.T. -0.006 min
Lab File: BF142825.D
Acq: 24 Jun 2025 18:03

Tgt Ion:202 Resp: 130199
Ion Ratio Lower Upper
202 100
101 10.0 0.0 29.7
203 17.5 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: BF142825.D

Acq: 24 Jun 2025 18:03

Instrument :

BNA_F

ClientSampleId :

PARK AVE -4

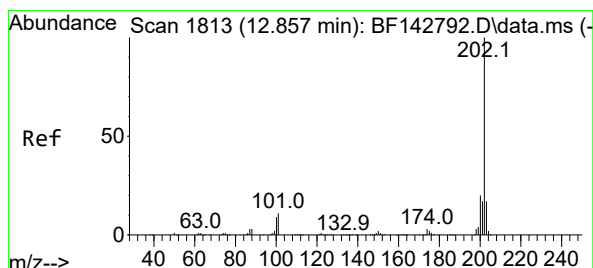
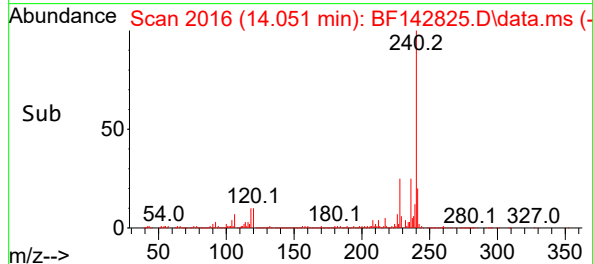
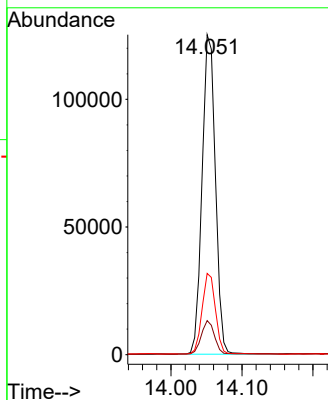
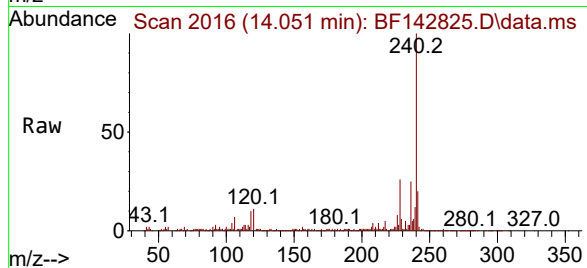
Tgt Ion:240 Resp: 164289

Ion Ratio Lower Upper

240 100

120 10.7 8.2 12.2

236 25.4 19.8 29.8



#78

Pyrene

Concen: 8.610 ng

RT: 12.851 min Scan# 1812

Delta R.T. -0.006 min

Lab File: BF142825.D

Acq: 24 Jun 2025 18:03

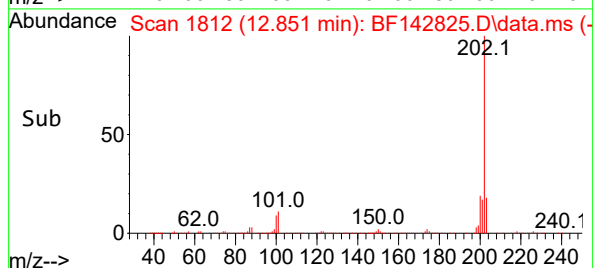
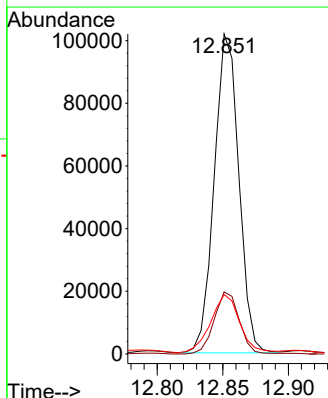
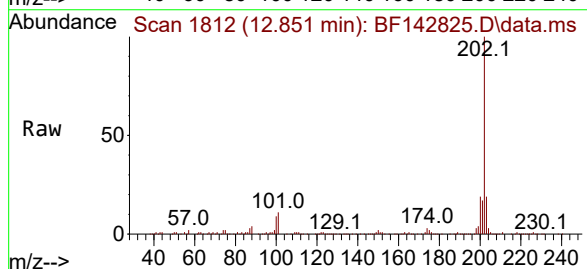
Tgt Ion:202 Resp: 132593

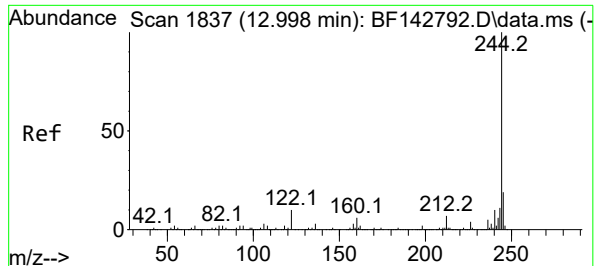
Ion Ratio Lower Upper

202 100

200 19.4 15.7 23.5

203 18.5 13.8 20.6





#79

Terphenyl-d14

Concen: 38.205 ng

RT: 12.992 min Scan# 1836

Delta R.T. -0.006 min

Lab File: BF142825.D

Acq: 24 Jun 2025 18:03

Instrument :

BNA_F

ClientSampleId :

PARK AVE -4

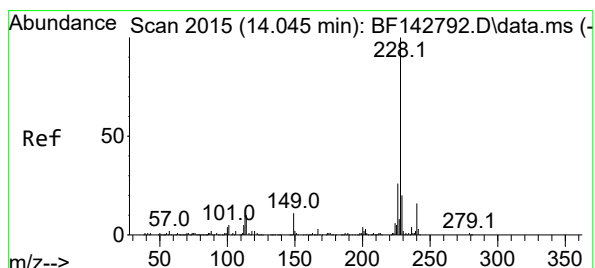
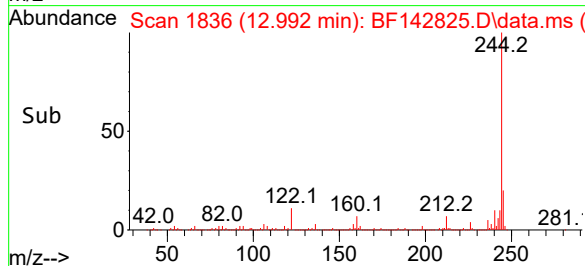
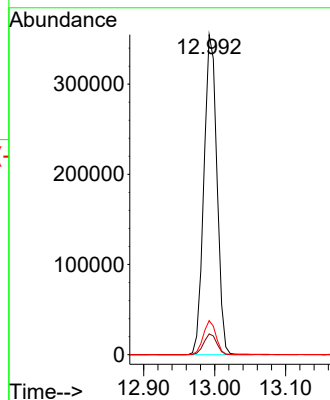
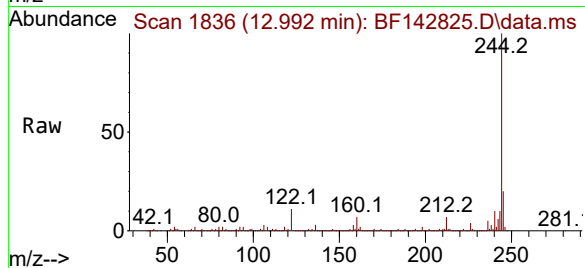
Tgt Ion:244 Resp: 454273

Ion Ratio Lower Upper

244 100

212 6.5 5.4 8.0

122 10.6 8.2 12.2



#81

Benzo(a)anthracene

Concen: 6.100 ng

RT: 14.045 min Scan# 2015

Delta R.T. 0.000 min

Lab File: BF142825.D

Acq: 24 Jun 2025 18:03

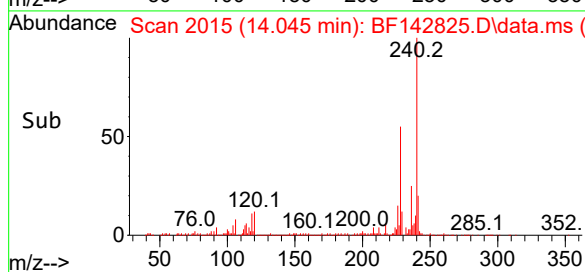
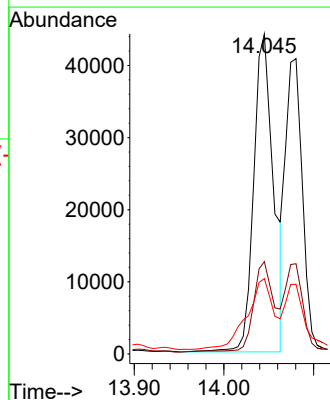
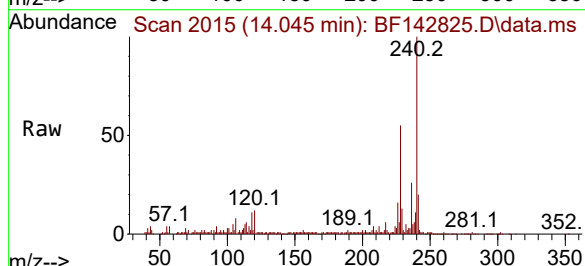
Tgt Ion:228 Resp: 67610

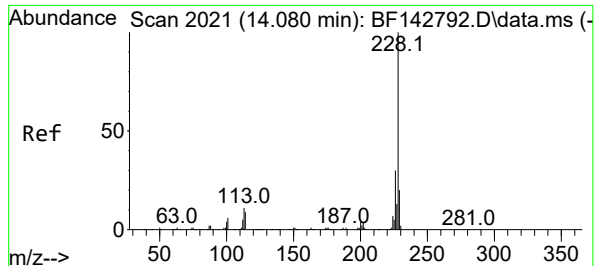
Ion Ratio Lower Upper

228 100

226 28.8 21.2 31.8

229 23.6 15.6 23.4#





#83

Chrysene

Concen: 5.339 ng

RT: 14.080 min Scan# 20

Delta R.T. 0.000 min

Lab File: BF142825.D

Acq: 24 Jun 2025 18:03

Instrument :

BNA_F

ClientSampleId :

PARK AVE -4

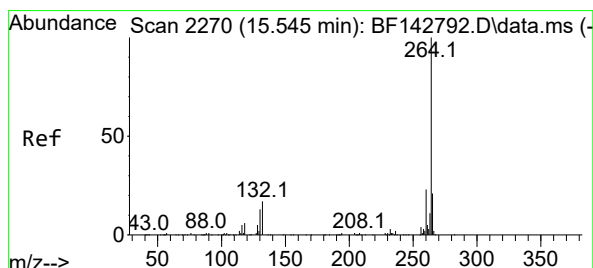
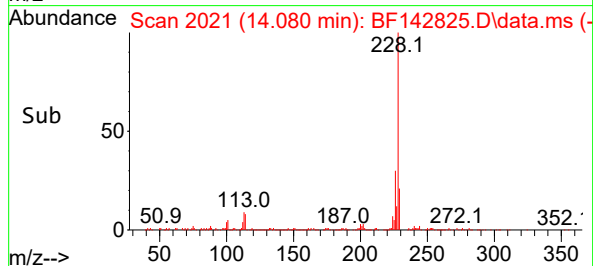
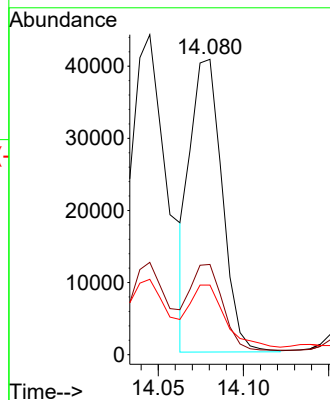
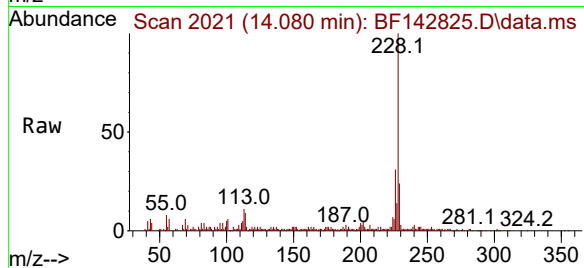
Tgt Ion:228 Resp: 52805

Ion Ratio Lower Upper

228 100

226 30.5 23.7 35.5

229 23.6 15.7 23.5#



#86

Perylene-d12

Concen: 20.000 ng

RT: 15.545 min Scan# 2270

Delta R.T. 0.000 min

Lab File: BF142825.D

Acq: 24 Jun 2025 18:03

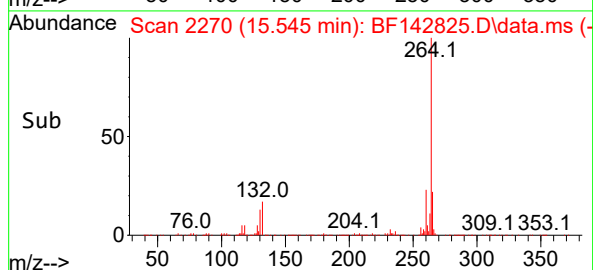
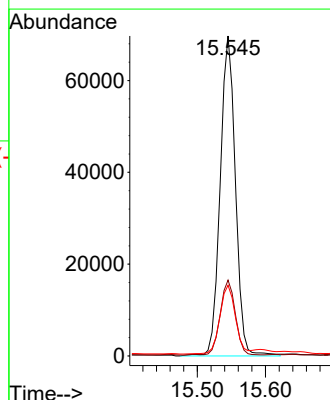
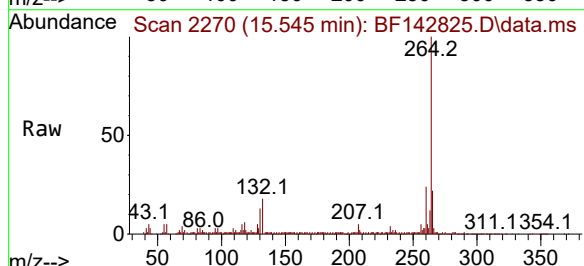
Tgt Ion:264 Resp: 108830

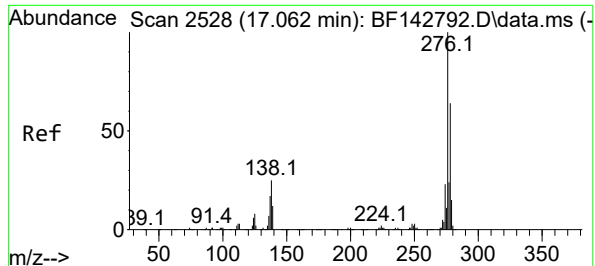
Ion Ratio Lower Upper

264 100

260 23.7 18.1 27.1

265 22.1 16.6 25.0





#87

Indeno(1,2,3-cd)pyrene

Concen: 2.467 ng

RT: 17.045 min Scan# 2195

Delta R.T. -0.017 min

Lab File: BF142825.D

Acq: 24 Jun 2025 18:03

Instrument :

BNA_F

ClientSampleId :

PARK AVE -4

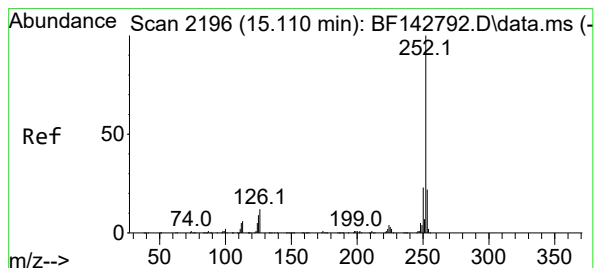
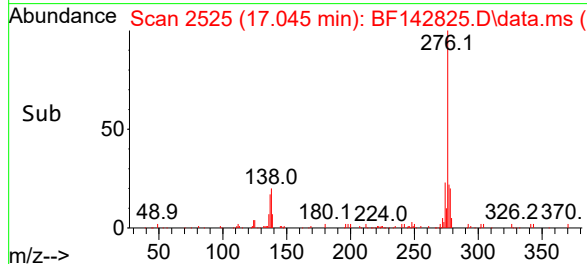
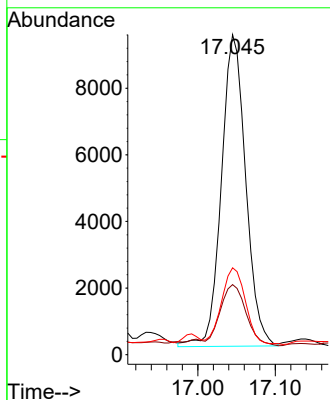
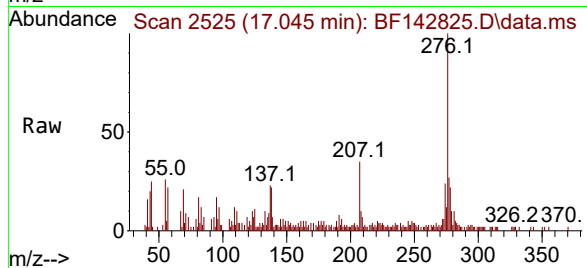
Tgt Ion:276 Resp: 20448

Ion Ratio Lower Upper

276 100

138 20.8 20.2 30.4

277 24.0 19.8 29.6



#88

Benzo(b)fluoranthene

Concen: 7.594 ng m

RT: 15.104 min Scan# 2195

Delta R.T. -0.006 min

Lab File: BF142825.D

Acq: 24 Jun 2025 18:03

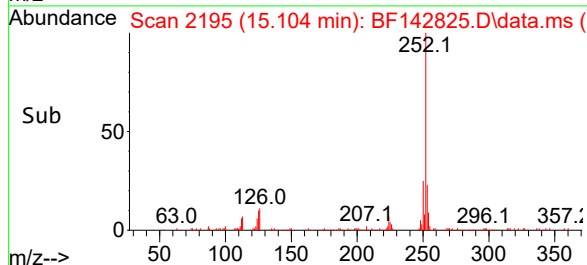
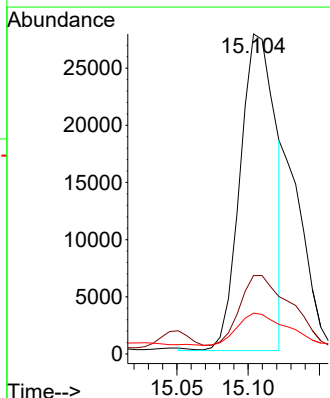
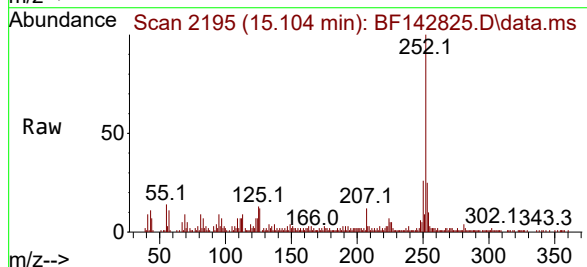
Tgt Ion:252 Resp: 47823

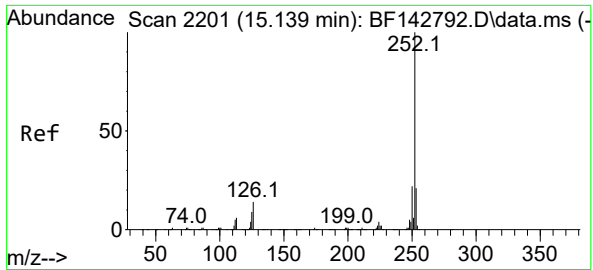
Ion Ratio Lower Upper

252 100

253 24.5 17.5 26.3

125 12.7 7.4 11.0#





#89

Benzo(k)fluoranthene

Concen: 3.017 ng m

RT: 15.121 min Scan# 21

Delta R.T. -0.017 min

Lab File: BF142825.D

Acq: 24 Jun 2025 18:03

Instrument :

BNA_F

ClientSampleId :

PARK AVE -4

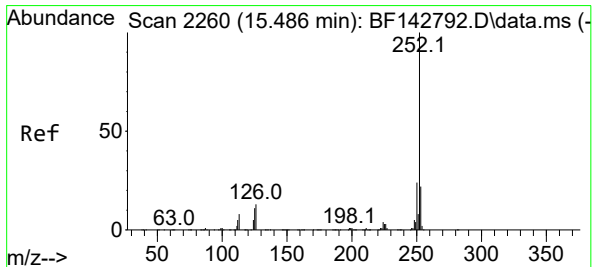
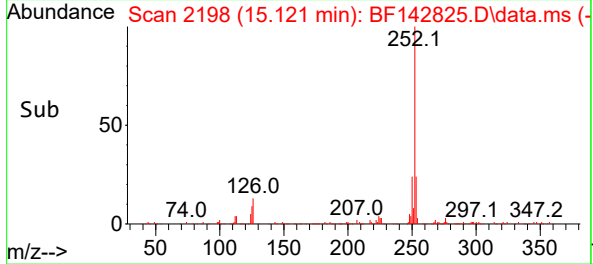
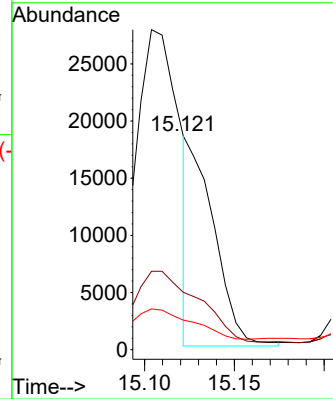
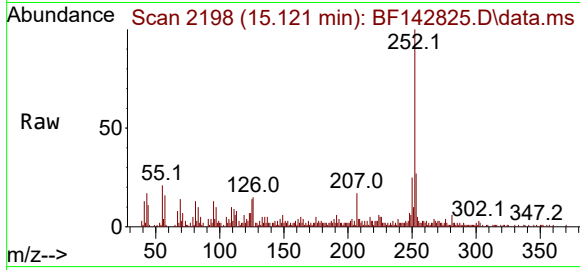
Tgt Ion:252 Resp: 17777

Ion Ratio Lower Upper

252 100

253 26.8 17.2 25.8#

125 13.9 7.4 11.2#



#90

Benzo(a)pyrene

Concen: 5.764 ng

RT: 15.480 min Scan# 2259

Delta R.T. -0.006 min

Lab File: BF142825.D

Acq: 24 Jun 2025 18:03

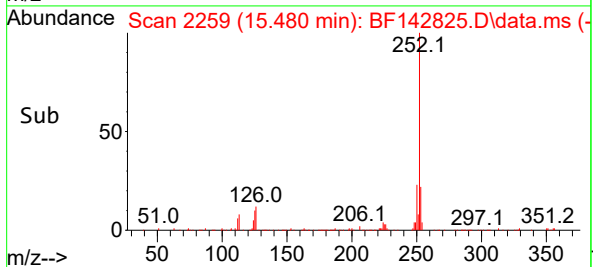
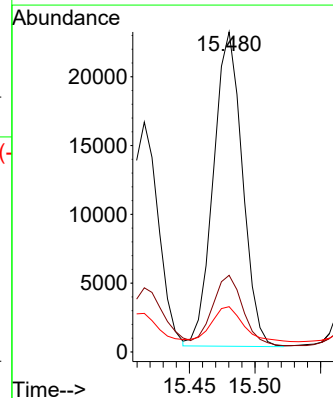
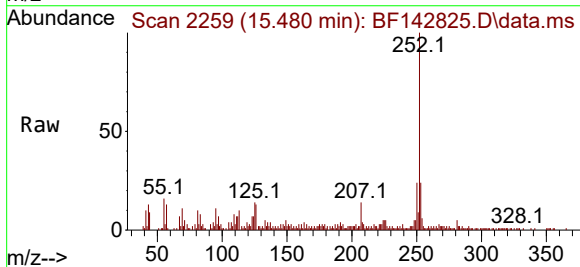
Tgt Ion:252 Resp: 35069

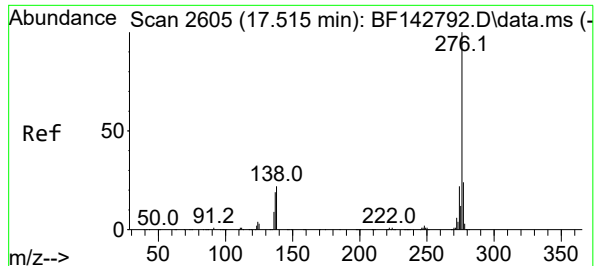
Ion Ratio Lower Upper

252 100

253 24.0 17.5 26.3

125 14.1 8.6 12.8#





#92

Benzo(g,h,i)perylene

Concen: 3.022 ng

RT: 17.504 min Scan# 20

Delta R.T. -0.012 min

Lab File: BF142825.D

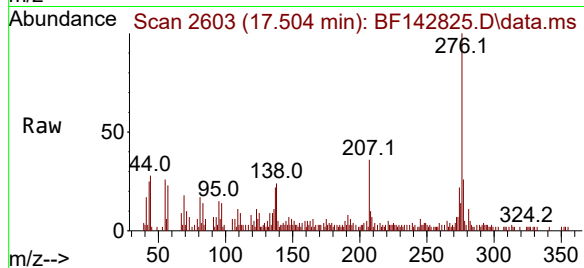
Acq: 24 Jun 2025 18:03

Instrument :

BNA_F

ClientSampleId :

PARK AVE -4



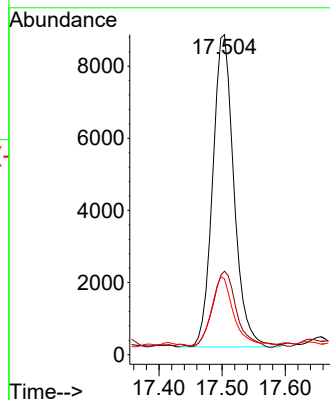
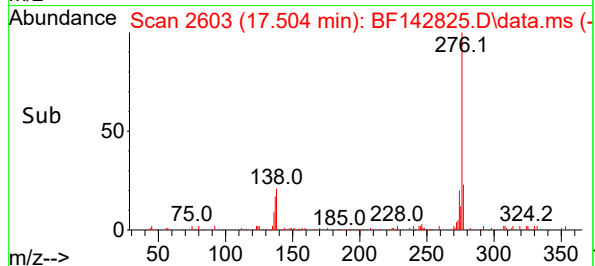
Tgt Ion:276 Resp: 20296

Ion Ratio Lower Upper

276 100

277 26.1 18.8 28.2

138 23.6 17.6 26.4



Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF062425\
 Data File : BF142825.D
 Acq On : 24 Jun 2025 18:03
 Operator : RC/JU
 Sample : Q2393-07
 Misc :
 ALS Vial : 16 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 PARK AVE -4

Integration Parameters: rteint.p

Integrator: RTE

Smoothing : ON

Filtering: 5

Sampling : 1

Min Area: 3 % of largest Peak

Start Thrs: 0.2

Max Peaks: 100

Stop Thrs : 0

Peak Location: TOP

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

Peak separation: 5

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

Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

Signal : TIC: BF142825.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	481	492	504	rBV	79718	116634	9.37%	1.101%
2	5.493	556	561	571	rBV	709369	935097	75.10%	8.830%
3	6.504	728	733	745	rBV	729112	924942	74.28%	8.734%
4	6.881	792	797	803	rBV	280967	350446	28.14%	3.309%
5	7.440	886	892	897	rBV	432168	531098	42.65%	5.015%
6	8.163	1007	1015	1022	rBV	327376	432585	34.74%	4.085%
7	8.875	1132	1136	1141	rVB	24026	27368	2.20%	0.258%
8	8.975	1149	1153	1158	rVB	25464	30560	2.45%	0.289%
9	9.240	1192	1198	1203	rBV	719066	914087	73.41%	8.631%
10	9.504	1238	1243	1247	rBV	12592	18173	1.46%	0.172%
11	9.575	1248	1255	1258	rBV	21081	30897	2.48%	0.292%
12	9.692	1271	1275	1286	rVB	10476	18146	1.46%	0.171%
13	9.781	1286	1290	1294	rBV	13444	16504	1.33%	0.156%
14	9.916	1306	1313	1318	rVV	303877	395096	31.73%	3.731%
15	10.122	1343	1348	1352	rBV2	15540	20536	1.65%	0.194%
16	10.234	1363	1367	1370	rBV2	9536	13103	1.05%	0.124%
17	10.339	1378	1385	1389	rBV4	12048	25396	2.04%	0.240%
18	10.469	1402	1407	1413	rVB	22161	30173	2.42%	0.285%
19	10.557	1413	1422	1429	rBV7	6671	21732	1.75%	0.205%
20	10.634	1429	1435	1441	rVB	62949	86015	6.91%	0.812%
21	10.710	1442	1448	1453	rBV	468976	614395	49.34%	5.802%
22	10.828	1463	1468	1474	rBV4	15588	26844	2.16%	0.253%
23	11.010	1495	1499	1502	rBV4	11633	16596	1.33%	0.157%
24	11.216	1530	1534	1537	rVB	12752	15179	1.22%	0.143%
25	11.263	1538	1542	1545	rVV3	11800	16928	1.36%	0.160%
26	11.304	1545	1549	1555	rVB	17661	25158	2.02%	0.238%
27	11.410	1561	1567	1569	rBV	342405	475212	38.16%	4.487%
28	11.481	1575	1579	1583	rVV	29143	34445	2.77%	0.325%
29	11.639	1600	1606	1612	rBV2	25866	41328	3.32%	0.390%
30	11.739	1619	1623	1628	rVB2	15405	21790	1.75%	0.206%
31	11.822	1628	1637	1641	rBV4	7682	19005	1.53%	0.179%
32	11.933	1648	1656	1661	rVV2	120331	247098	19.84%	2.333%
33	11.986	1662	1665	1667	rVV	17930	22679	1.82%	0.214%
34	12.022	1667	1671	1679	rVB	68024	143081	11.49%	1.351%
35	12.104	1681	1685	1689	rBV4	11498	19332	1.55%	0.183%
36	12.204	1699	1702	1705	rBV	21327	28735	2.31%	0.271%

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF062425\
 Data File : BF142825.D
 Acq On : 24 Jun 2025 18:03
 Operator : RC/JU
 Sample : Q2393-07
 Misc :
 ALS Vial : 16 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 PARK AVE -4

Integration Parameters: rteint.p

Integrator: RTE

Smoothing : ON

Filtering: 5

Sampling : 1

Min Area: 3 % of largest Peak

Start Thrs: 0.2

Max Peaks: 100

Stop Thrs : 0

Peak Location: TOP

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

Peak separation: 5

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

37	12.233	1705	1707	1713	rVB	18882	21788	1.75%	0.206%
38	12.351	1722	1727	1730	rBV4	14471	25273	2.03%	0.239%
39	12.386	1730	1733	1736	rBV	13828	17385	1.40%	0.164%
40	12.463	1741	1746	1749	rBV	43046	66813	5.37%	0.631%
41	12.492	1749	1751	1757	rVV2	29600	46296	3.72%	0.437%
42	12.545	1757	1760	1765	rVB3	22493	32135	2.58%	0.303%
43	12.622	1769	1773	1778	rBV	236301	300969	24.17%	2.842%
44	12.851	1806	1812	1819	rBV	227593	350013	28.11%	3.305%
45	12.992	1831	1836	1844	rVB	945821	1245182	100.00%	11.758%
46	13.069	1845	1849	1856	rBV5	31227	63554	5.10%	0.600%
47	13.175	1861	1867	1871	rVV2	38254	76077	6.11%	0.718%
48	13.286	1882	1886	1893	rVB2	37584	50933	4.09%	0.481%
49	13.380	1898	1902	1904	rBV	23707	29708	2.39%	0.281%
50	13.410	1904	1907	1910	rVV2	21072	22426	1.80%	0.212%
51	13.563	1930	1933	1936	rBV	21890	34135	2.74%	0.322%
52	13.692	1952	1955	1961	rVB	26928	33940	2.73%	0.320%
53	13.892	1985	1989	2000	rVB3	89936	161898	13.00%	1.529%
54	14.051	2011	2016	2028	rVB2	413688	734762	59.01%	6.938%
55	15.104	2191	2195	2203	rBV	73175	162350	13.04%	1.533%
56	15.480	2256	2259	2265	rVB	51676	74960	6.02%	0.708%
57	15.545	2265	2270	2282	rVB	187952	333221	26.76%	3.147%

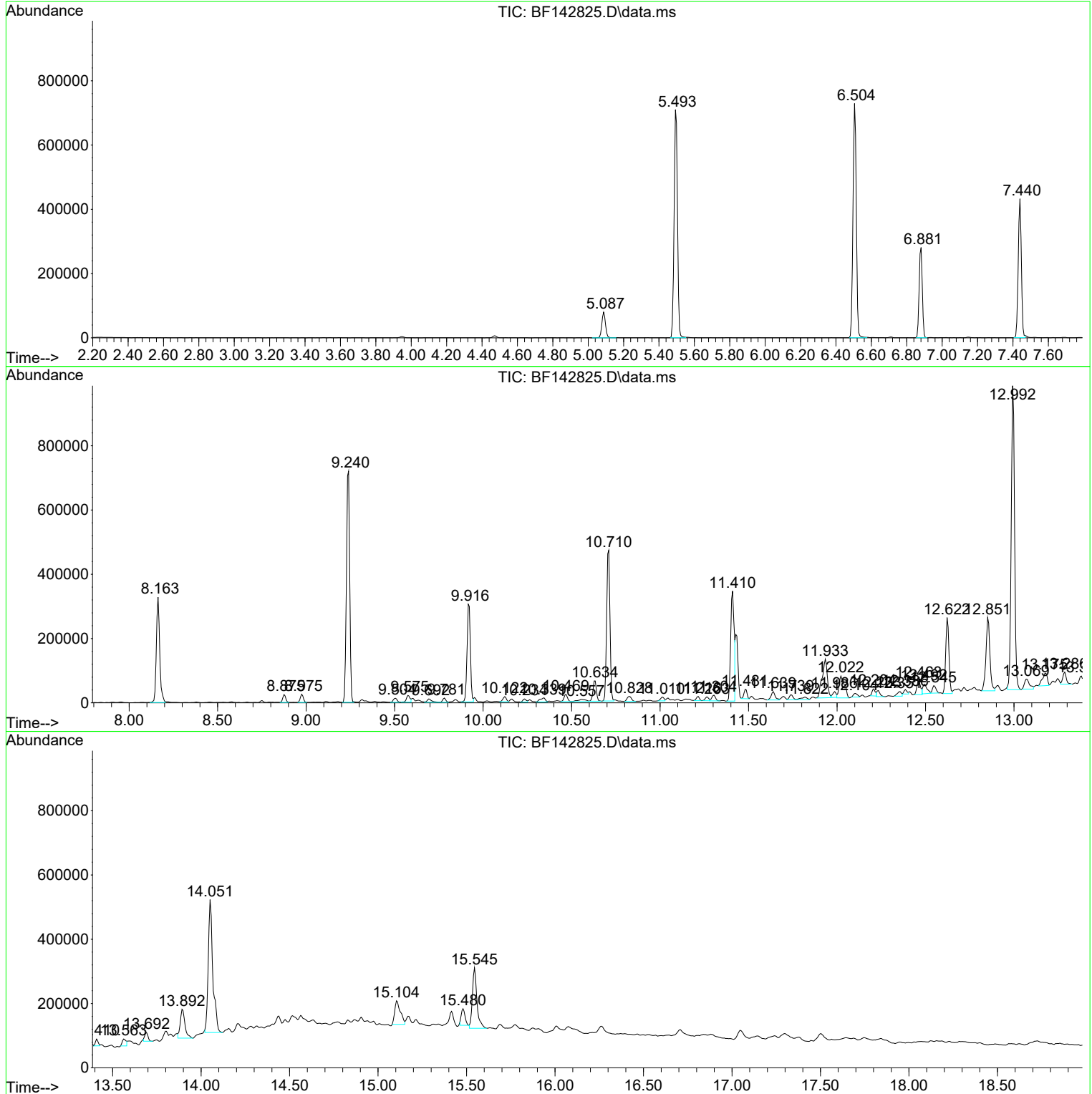
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Acq On : 24 Jun 2025 18:03
Operator : RC/JU
Sample : Q2393-07
Misc :
ALS Vial : 16 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
PARK AVE -4

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\BF062425\
Data File : BF142825.D
Acq On : 24 Jun 2025 18:03
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ClientSampleId :
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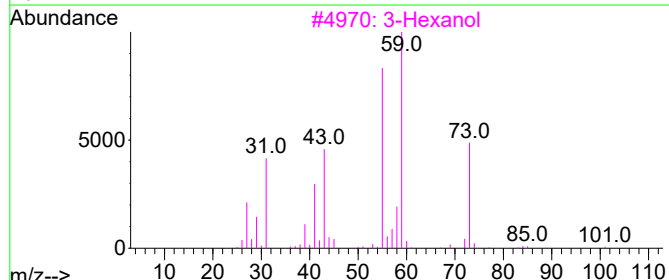
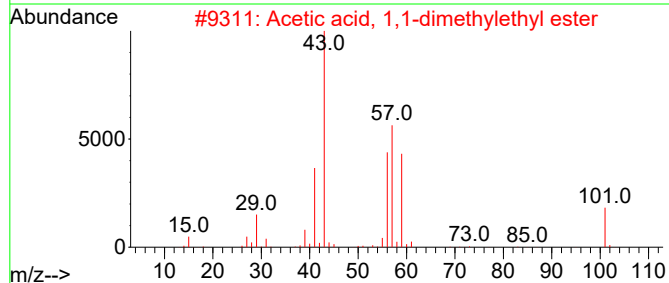
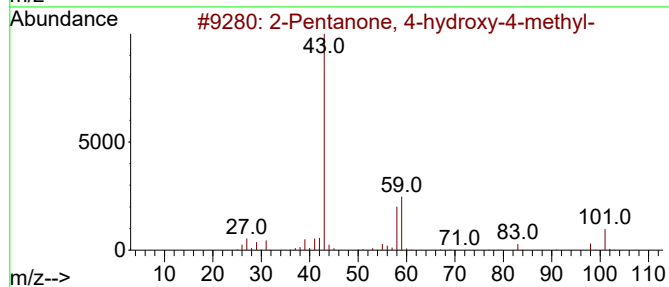
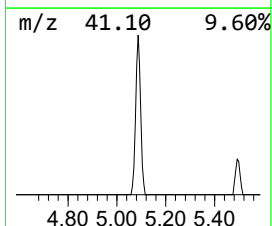
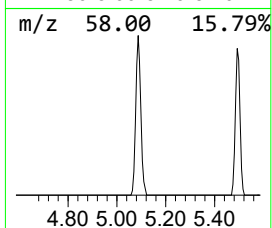
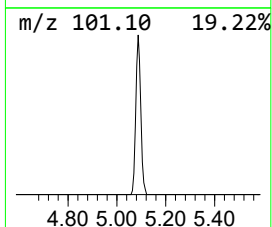
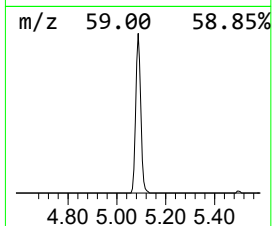
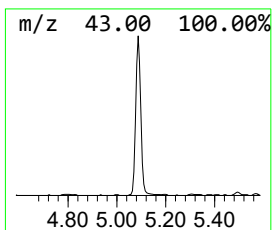
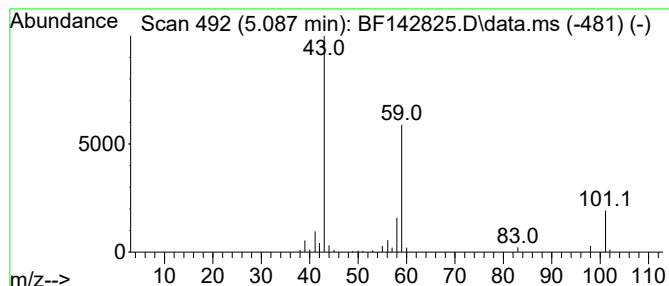
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

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

R.T.	EstConc	Area	Relative to ISTD	R.T.
5.087	6.66 ng	116634	1,4-Dichlorobenzene-d4	6.881

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, 1,1-dimethylethyl e...	116	C6H12O2	000540-88-5	39		
3	3-Hexanol	102	C6H14O	000623-37-0	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\BF062425\
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Acq On : 24 Jun 2025 18:03
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Misc :
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BNA_F
ClientSampleId :
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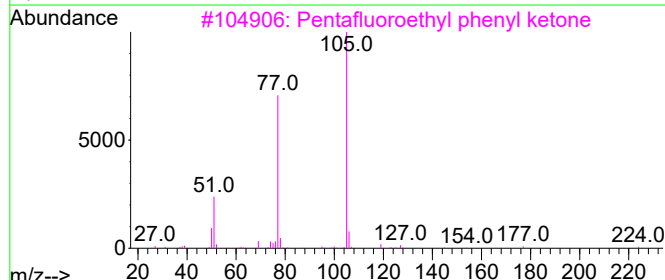
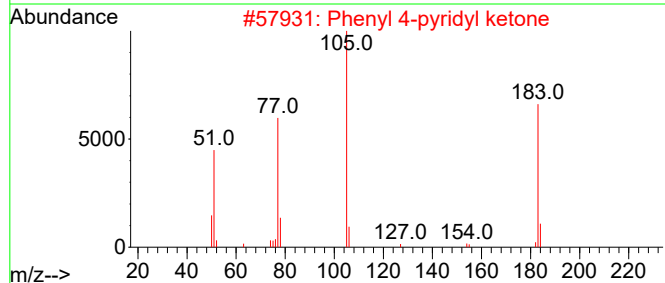
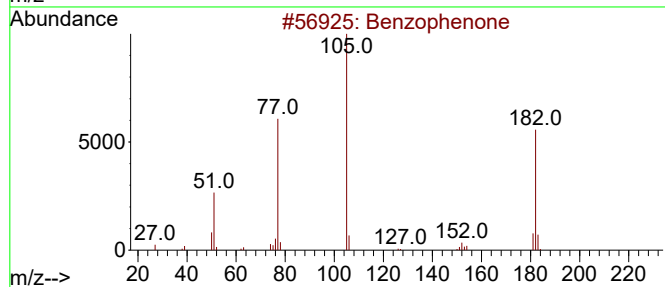
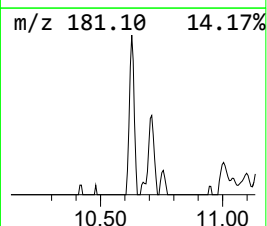
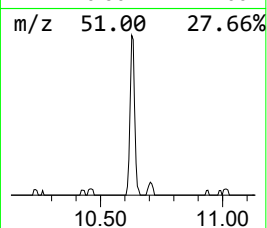
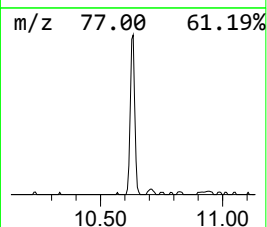
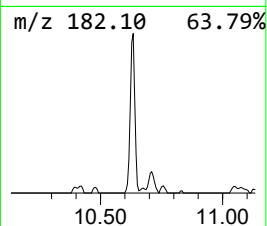
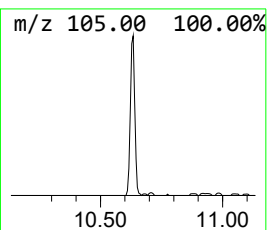
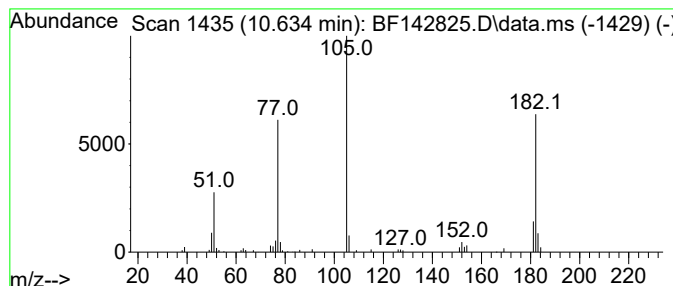
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 2 Benzophenone Concentration Rank 5

R.T.	EstConc	Area	Relative to ISTD	R.T.
10.634	4.35 ng	86015	Acenaphthene-d10	9.916

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			N-Methoxy-N-methylbenzamide	165	C9H11NO2	006919-61-5	47
5			Benzenepropanenitrile, .beta.-oxo-	145	C9H7NO	000614-16-4	47



Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF062425\
Data File : BF142825.D
Acq On : 24 Jun 2025 18:03
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Sample : Q2393-07
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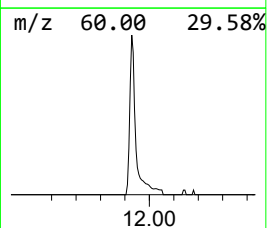
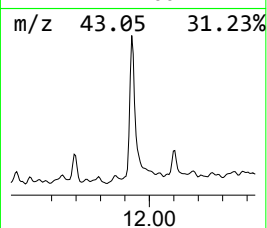
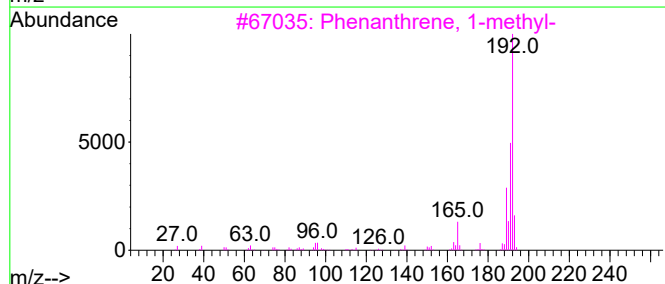
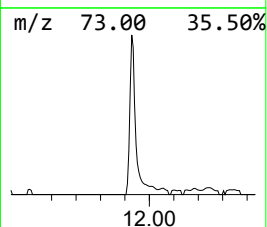
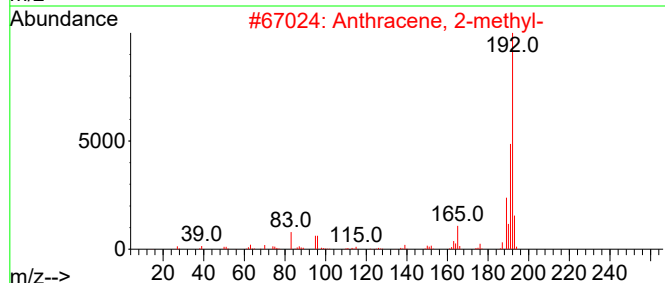
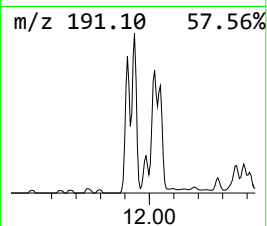
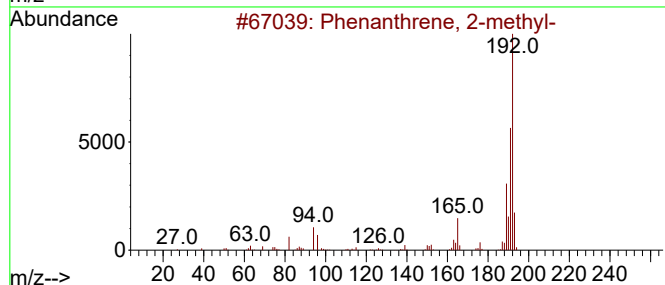
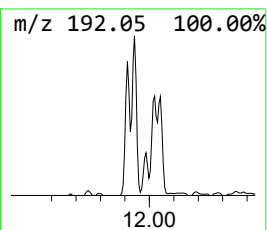
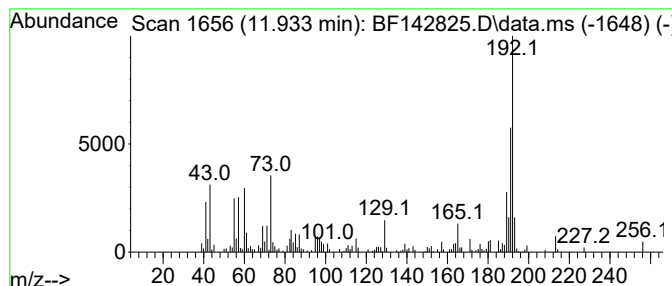
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 3 Phenanthrene, 2-methyl- Concentration Rank 1

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.934	10.40 ng	247098	Phenanthrene-d10	11.410

Hit#	of	5	Tentative ID	MW	MolForm	CAS#	Qual
1			Phenanthrene, 2-methyl-	192	C15H12	002531-84-2	97
2			Anthracene, 2-methyl-	192	C15H12	000613-12-7	97
3			Phenanthrene, 1-methyl-	192	C15H12	000832-69-9	96
4			1H-Cyclopropa[1]phenanthrene,1a,...	192	C15H12	000949-41-7	96
5			1H-Indene, 2-phenyl-	192	C15H12	004505-48-0	93



Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF062425\
Data File : BF142825.D
Acq On : 24 Jun 2025 18:03
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Sample : Q2393-07
Misc :
ALS Vial : 16 Sample Multiplier: 1

Instrument :
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ClientSampleId :
PARK AVE -4

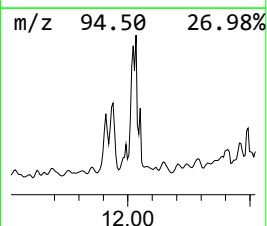
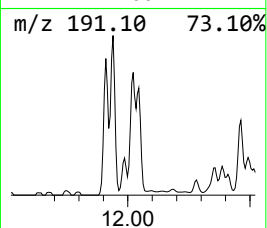
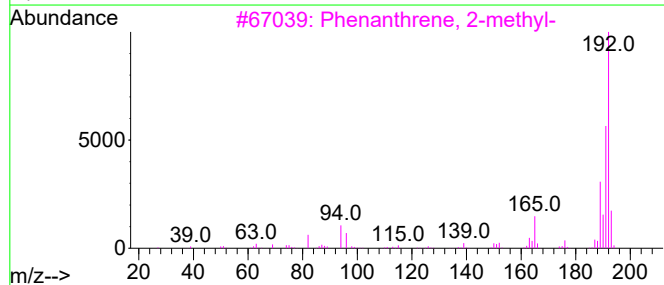
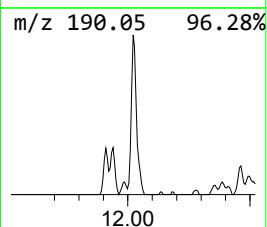
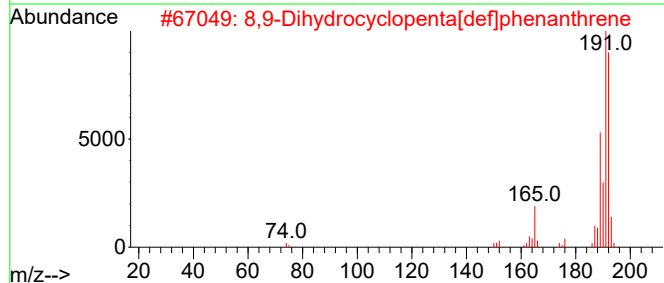
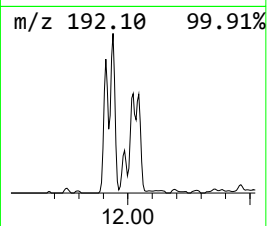
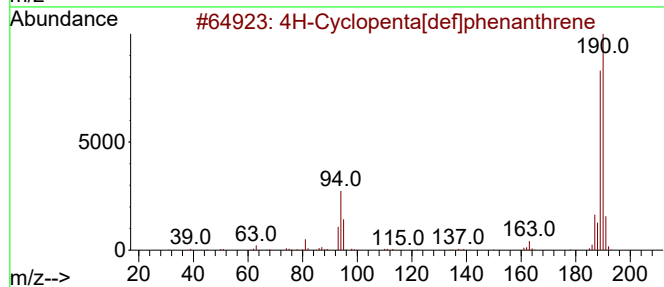
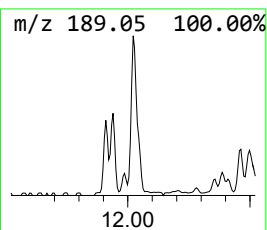
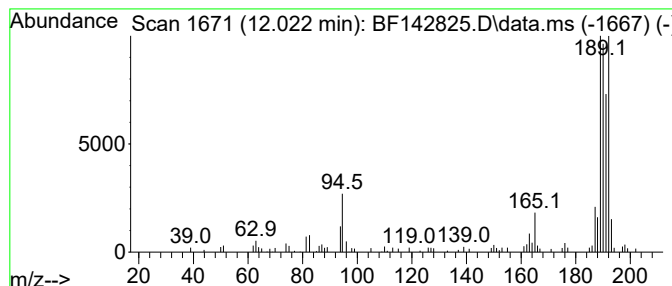
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 4 4H-Cyclopenta[def]phenanthrene Concentration Rank 3

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.022	6.02 ng	143081	Phenanthrene-d10	11.410

Hit#	of	5	Tentative ID	MW	MolForm	CAS#	Qual
1			4H-Cyclopenta[def]phenanthrene	190	C15H10	000203-64-5	58
2			8,9-Dihydrocyclopenta[def]phenan...	192	C15H12	027410-55-5	48
3			Phenanthrene, 2-methyl-	192	C15H12	002531-84-2	46
4			Phenanthrene, 1-methyl-	192	C15H12	000832-69-9	42
5			Phenanthrene, 4-methyl-	192	C15H12	000832-64-4	42



Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF062425\
Data File : BF142825.D
Acq On : 24 Jun 2025 18:03
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Misc :
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ClientSampleId :
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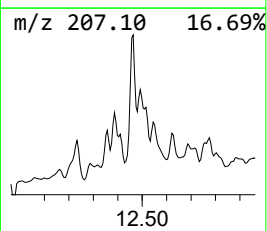
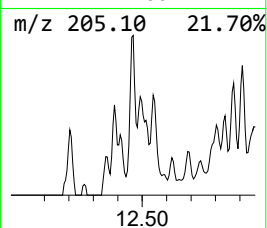
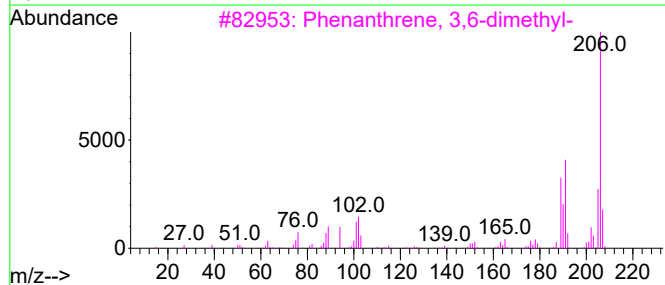
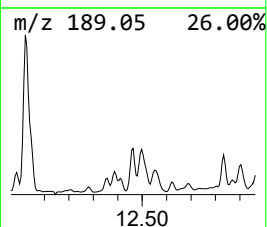
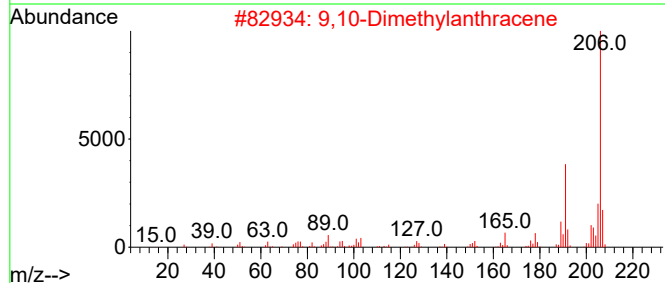
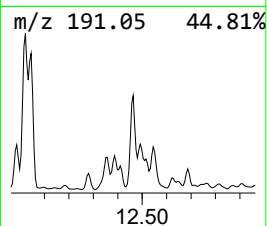
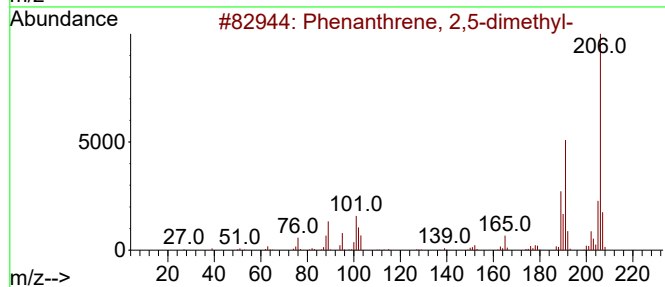
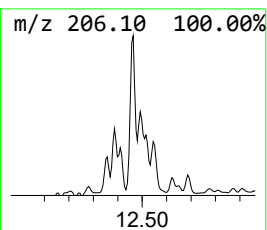
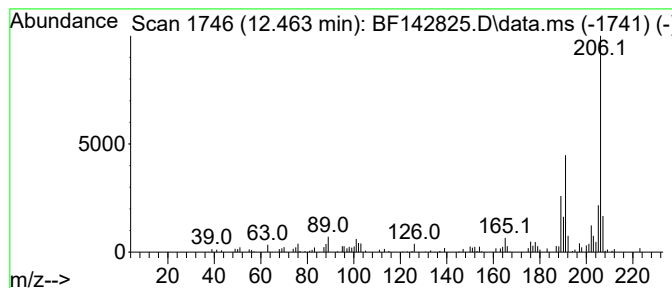
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 5 Phenanthrene, 2,5-dimethyl- Concentration Rank 6

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.463	2.81 ng	66813	Phenanthrene-d10	11.410

Hit#	of	5	Tentative ID	MW	MolForm	CAS#	Qual
1			Phenanthrene, 2,5-dimethyl-	206	C16H14	003674-66-6	93
2			9,10-Dimethylanthracene	206	C16H14	000781-43-1	91
3			Phenanthrene, 3,6-dimethyl-	206	C16H14	001576-67-6	90
4			3,4-Dimethylphenanthrene	206	C16H14	1000452-24-5	90
5			Phenanthrene, 2,7-dimethyl-	206	C16H14	001576-69-8	87



Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF062425\
Data File : BF142825.D
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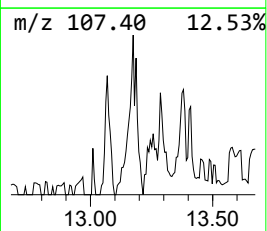
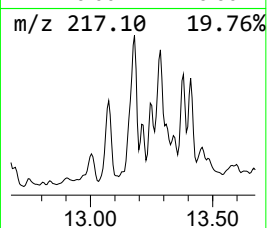
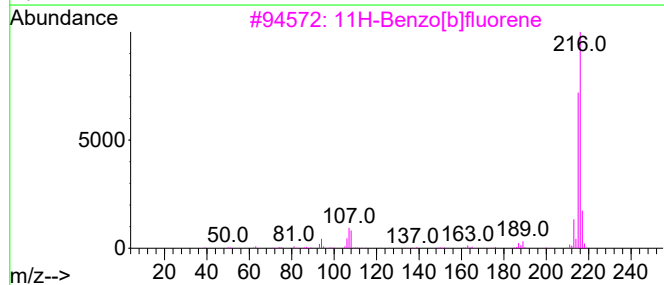
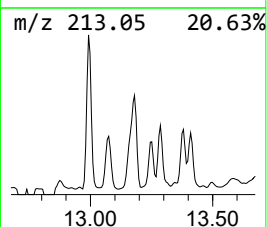
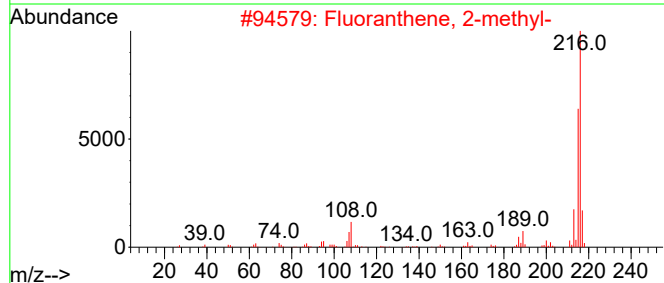
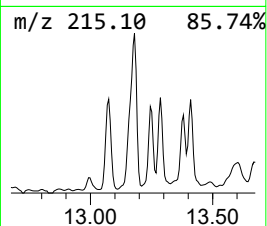
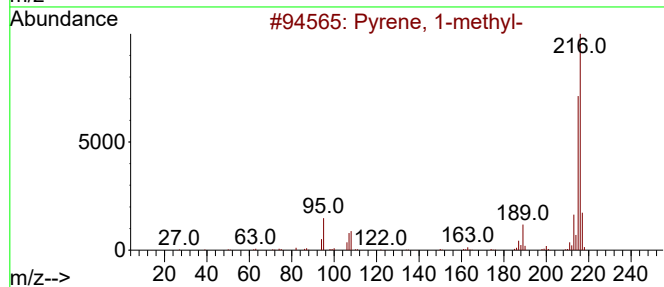
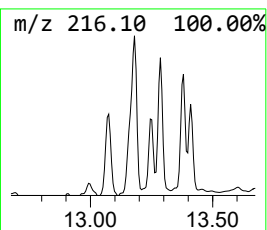
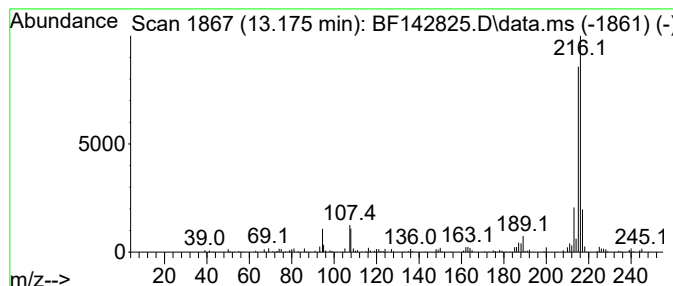
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 6 Pyrene, 1-methyl- Concentration Rank 7

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.175	2.07 ng	76077	Chrysene-d12	14.051

Hit#	of	5	Tentative ID	MW	MolForm	CAS#	Qual
1			Pyrene, 1-methyl-	216	C17H12	002381-21-7	94
2			Fluoranthene, 2-methyl-	216	C17H12	033543-31-6	93
3			11H-Benzo[b]fluorene	216	C17H12	000243-17-4	91
4			11H-Benzo[a]fluorene	216	C17H12	000238-84-6	87
5			7H-Benzo[c]fluorene	216	C17H12	000205-12-9	72



Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF062425\
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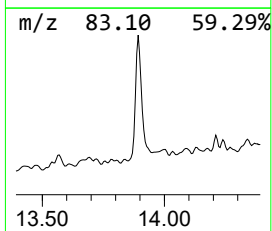
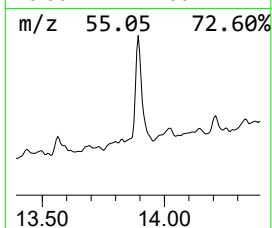
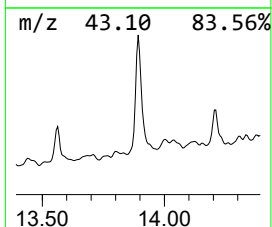
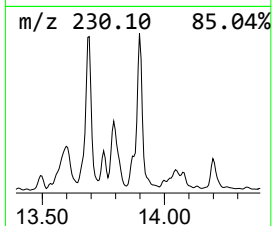
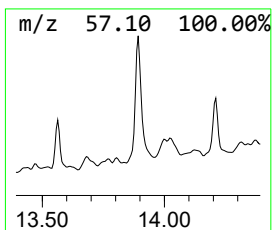
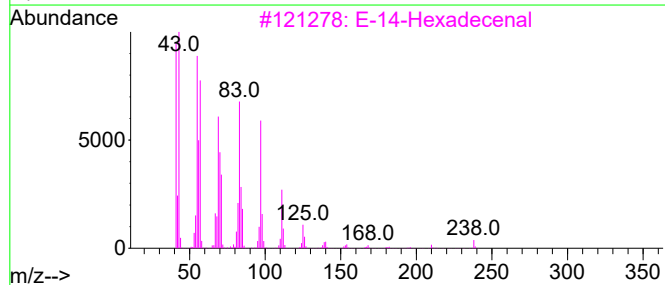
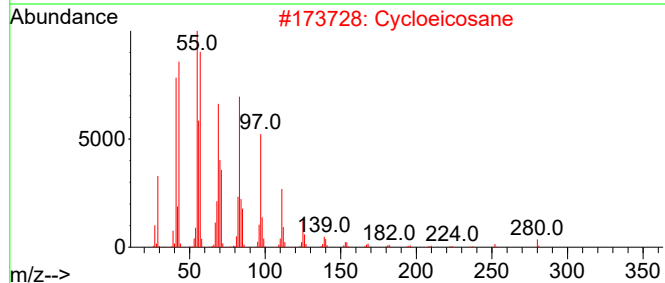
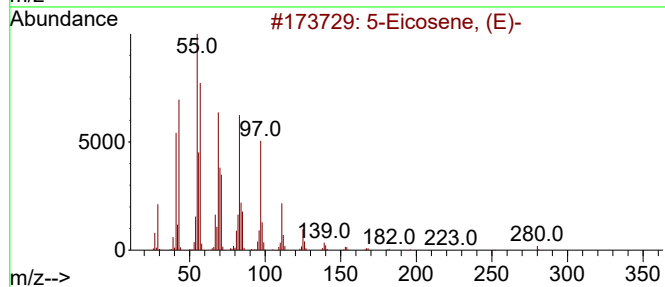
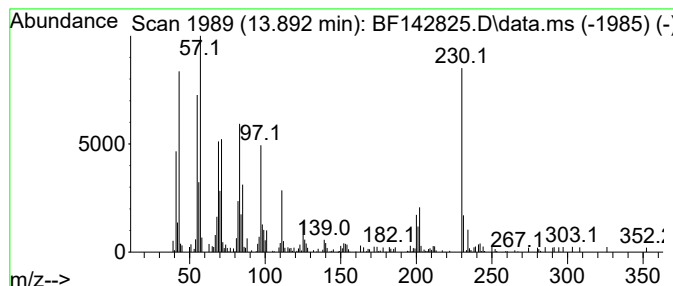
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF061925.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 7 5-Eicosene, (E)- Concentration Rank 4

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.892	4.41 ng	161898	Chrysene-d12	14.051

Hit#	of	5	Tentative ID	MW	MolForm	CAS#	Qual
1			5-Eicosene, (E)-	280	C20H40	074685-30-6	94
2			Cycloeicosane	280	C20H40	000296-56-0	92
3			E-14-Hexadecenal	238	C16H30O	330207-53-9	86
4			9-Eicosene, (E)-	280	C20H40	074685-29-3	80
5			Heptadecyl heptafluorobutyrate	452	C21H35F7O2	959085-66-6	70



Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF062425\
Data File : BF142825.D
Acq On : 24 Jun 2025 18:03
Operator : RC/JU
Sample : Q2393-07
Misc :
ALS Vial : 16 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
PARK AVE -4

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

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

TIC Top Hit name	RT	EstConc	Units	Response	--Internal Standard--			
					#	RT	Resp	Conc
2-Pentanone, 4-...	5.087	6.7	ng	116634	1	6.881	350446	20.0
Benzophenone	10.634	4.3	ng	86015	3	9.916	395096	20.0
Phenanthrene, 2...	11.934	10.4	ng	247098	4	11.410	475212	20.0
4H-Cyclopenta[d...	12.022	6.0	ng	143081	4	11.410	475212	20.0
Phenanthrene, 2...	12.463	2.8	ng	66813	4	11.410	475212	20.0
Pyrene, 1-methyl-	13.175	2.1	ng	76077	5	14.051	734762	20.0
5-Eicosene, (E)-	13.892	4.4	ng	161898	5	14.051	734762	20.0

Report of Analysis

Client:	Union Paving & Construction Company	Date Collected:	06/23/25
Project:	190 Park Ave Hanover Twp NJ - PO 2556-001	Date Received:	06/23/25
Client Sample ID:	PARK AVE -5	SDG No.:	Q2393
Lab Sample ID:	Q2393-09	Matrix:	SOIL
Analytical Method:	8270E	% Solid:	91.3
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
BF142826.D	1	06/24/25 13:00	06/24/25 18:34	PB168601

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	24.2	U	24.2	190	ug/Kg
111-44-4	bis(2-Chloroethyl)ether	26.6	U	26.6	190	ug/Kg
95-57-8	2-Chlorophenol	26.7	U	26.7	190	ug/Kg
95-48-7	2-Methylphenol	32.7	U	32.7	190	ug/Kg
108-60-1	2,2-oxybis(1-Chloropropane)	41.0	U	41.0	190	ug/Kg
98-86-2	Acetophenone	32.2	U	32.2	190	ug/Kg
65794-96-9	3+4-Methylphenols	44.9	U	44.9	360	ug/Kg
621-64-7	n-Nitroso-di-n-propylamine	51.8	U	51.8	87.4	ug/Kg
67-72-1	Hexachloroethane	19.2	U	19.2	190	ug/Kg
98-95-3	Nitrobenzene	20.0	U	20.0	190	ug/Kg
78-59-1	Isophorone	35.9	U	35.9	190	ug/Kg
88-75-5	2-Nitrophenol	63.6	U	63.6	190	ug/Kg
105-67-9	2,4-Dimethylphenol	70.8	U	70.8	190	ug/Kg
111-91-1	bis(2-Chloroethoxy)methane	33.7	U	33.7	190	ug/Kg
120-83-2	2,4-Dichlorophenol	30.9	U	30.9	190	ug/Kg
91-20-3	Naphthalene	24.8	U	24.8	190	ug/Kg
106-47-8	4-Chloroaniline	38.7	U	38.7	190	ug/Kg
87-68-3	Hexachlorobutadiene	27.7	U	27.7	190	ug/Kg
105-60-2	Caprolactam	57.0	U	57.0	360	ug/Kg
59-50-7	4-Chloro-3-methylphenol	31.4	U	31.4	190	ug/Kg
91-57-6	2-Methylnaphthalene	28.0	U	28.0	190	ug/Kg
77-47-4	Hexachlorocyclopentadiene	130	U	130	360	ug/Kg
88-06-2	2,4,6-Trichlorophenol	21.6	U	21.6	190	ug/Kg
95-95-4	2,4,5-Trichlorophenol	31.8	U	31.8	190	ug/Kg
92-52-4	1,1-Biphenyl	23.8	U	23.8	190	ug/Kg
91-58-7	2-Chloronaphthalene	24.6	U	24.6	190	ug/Kg
88-74-4	2-Nitroaniline	52.6	U	52.6	190	ug/Kg
131-11-3	Dimethylphthalate	29.6	U	29.6	190	ug/Kg

Report of Analysis

Client:	Union Paving & Construction Company	Date Collected:	06/23/25
Project:	190 Park Ave Hanover Twp NJ - PO 2556-001	Date Received:	06/23/25
Client Sample ID:	PARK AVE -5	SDG No.:	Q2393
Lab Sample ID:	Q2393-09	Matrix:	SOIL
Analytical Method:	8270E	% Solid:	91.3
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
BF142826.D	1	06/24/25 13:00	06/24/25 18:34	PB168601

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units(Dry Weight)
208-96-8	Acenaphthylene	31.6	U	31.6	190	ug/Kg
606-20-2	2,6-Dinitrotoluene	36.7	U	36.7	190	ug/Kg
99-09-2	3-Nitroaniline	50.3	U	50.3	190	ug/Kg
83-32-9	Acenaphthene	23.3	U	23.3	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	24.8	U	24.8	190	ug/Kg
121-14-2	2,4-Dinitrotoluene	54.8	U	54.8	190	ug/Kg
84-66-2	Diethylphthalate	30.9	U	30.9	190	ug/Kg
7005-72-3	4-Chlorophenyl-phenylether	29.2	U	29.2	190	ug/Kg
86-73-7	Fluorene	27.7	U	27.7	190	ug/Kg
100-01-6	4-Nitroaniline	70.2	U	70.2	190	ug/Kg
534-52-1	4,6-Dinitro-2-methylphenol	110	U	110	360	ug/Kg
86-30-6	n-Nitrosodiphenylamine	36.0	U	36.0	190	ug/Kg
101-55-3	4-Bromophenyl-phenylether	30.4	U	30.4	190	ug/Kg
118-74-1	Hexachlorobenzene	27.7	U	27.7	190	ug/Kg
1912-24-9	Atrazine	37.2	U	37.2	190	ug/Kg
87-86-5	Pentachlorophenol	56.1	U	56.1	360	ug/Kg
85-01-8	Phenanthrene	22.8	U	22.8	190	ug/Kg
120-12-7	Anthracene	36.4	U	36.4	190	ug/Kg
86-74-8	Carbazole	34.1	U	34.1	190	ug/Kg
84-74-2	Di-n-butylphthalate	52.4	U	52.4	190	ug/Kg
206-44-0	Fluoranthene	160	J	32.8	190	ug/Kg
129-00-0	Pyrene	110	J	39.4	190	ug/Kg
85-68-7	Butylbenzylphthalate	78.0	UQ	78.0	190	ug/Kg
91-94-1	3,3-Dichlorobenzidine	40.1	UQ	40.1	360	ug/Kg
56-55-3	Benzo(a)anthracene	25.1	U	25.1	190	ug/Kg
218-01-9	Chrysene	21.8	U	21.8	190	ug/Kg
117-81-7	Bis(2-ethylhexyl)phthalate	64.7	U	64.7	190	ug/Kg
117-84-0	Di-n-octyl phthalate	94.9	U	94.9	360	ug/Kg
205-99-2	Benzo(b)fluoranthene	92.1	J	20.8	190	ug/Kg

Report of Analysis

Client:	Union Paving & Construction Company	Date Collected:	06/23/25
Project:	190 Park Ave Hanover Twp NJ - PO 2556-001	Date Received:	06/23/25
Client Sample ID:	PARK AVE -5	SDG No.:	Q2393
Lab Sample ID:	Q2393-09	Matrix:	SOIL
Analytical Method:	8270E	% Solid:	91.3
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
BF142826.D	1	06/24/25 13:00	06/24/25 18:34	PB168601

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units(Dry Weight)
207-08-9	Benzo(k)fluoranthene	24.5	U	24.5	190	ug/Kg
50-32-8	Benzo(a)pyrene	32.2	U	32.2	190	ug/Kg
193-39-5	Indeno(1,2,3-cd)pyrene	31.8	U	31.8	190	ug/Kg
53-70-3	Dibenzo(a,h)anthracene	30.0	U	30.0	190	ug/Kg
191-24-2	Benzo(g,h,i)perylene	28.1	U	28.1	190	ug/Kg
95-94-3	1,2,4,5-Tetrachlorobenzene	28.0	U	28.0	190	ug/Kg
123-91-1	1,4-Dioxane	49.4	U	49.4	190	ug/Kg
58-90-2	2,3,4,6-Tetrachlorophenol	30.0	U	30.0	190	ug/Kg
SURROGATES						
367-12-4	2-Fluorophenol	69.4		18 - 112	46%	SPK: 150
13127-88-3	Phenol-d6	71.0		15 - 107	47%	SPK: 150
4165-60-0	Nitrobenzene-d5	43.0		18 - 107	43%	SPK: 100
321-60-8	2-Fluorobiphenyl	43.1		20 - 109	43%	SPK: 100
118-79-6	2,4,6-Tribromophenol	85.8		10 - 116	57%	SPK: 150
1718-51-0	Terphenyl-d14	41.5		10 - 105	41%	SPK: 100
INTERNAL STANDARDS						
3855-82-1	1,4-Dichlorobenzene-d4	53300	6.881			
1146-65-2	Naphthalene-d8	184000	8.163			
15067-26-2	Acenaphthene-d10	94400	9.922			
1517-22-2	Phenanthrene-d10	189000	11.41			
1719-03-5	Chrysene-d12	152000	14.051			
1520-96-3	Perylene-d12	103000	15.545			
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
000057-10-3	n-Hexadecanoic acid	240	J		11.9	ug/Kg
1000406-04-7	Pentadecafluorooctanoic acid, hept	220	J		13.9	ug/Kg

Report of Analysis

Client:	Union Paving & Construction Company	Date Collected:	06/23/25
Project:	190 Park Ave Hanover Twp NJ - PO 2556-001	Date Received:	06/23/25
Client Sample ID:	PARK AVE -5	SDG No.:	Q2393
Lab Sample ID:	Q2393-09	Matrix:	SOIL
Analytical Method:	8270E	% Solid:	91.3
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
BF142826.D	1	06/24/25 13:00	06/24/25 18:34	PB168601

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\BF062425\
 Data File : BF142826.D
 Acq On : 24 Jun 2025 18:34
 Operator : RC/JU
 Sample : Q2393-09
 Misc :
 ALS Vial : 17 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 PARK AVE -5

Quant Time: Jun 25 01:29:30 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)

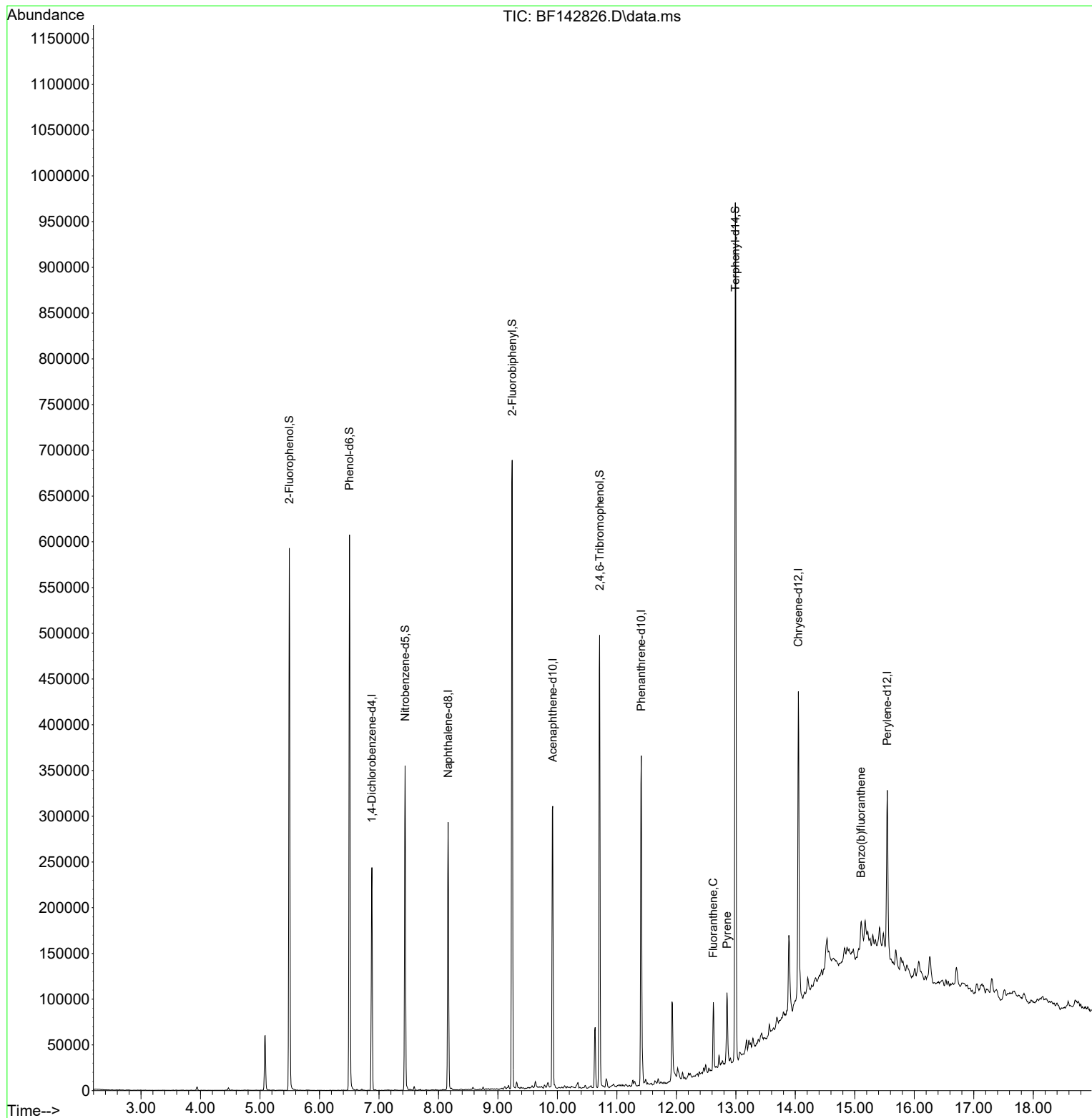
Internal Standards						
1) 1,4-Dichlorobenzene-d4	6.881	152	53337	20.000	ng	0.00
21) Naphthalene-d8	8.163	136	183629	20.000	ng	0.00
39) Acenaphthene-d10	9.922	164	94380	20.000	ng	0.00
64) Phenanthrene-d10	11.410	188	188653	20.000	ng	0.00
76) Chrysene-d12	14.051	240	152475	20.000	ng	0.00
86) Perylene-d12	15.545	264	103394	20.000	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.493	112	222339	69.404	ng	0.00
7) Phenol-d6	6.504	99	268320	70.992	ng	0.00
23) Nitrobenzene-d5	7.440	82	144112	43.047	ng	0.00
42) 2,4,6-Tribromophenol	10.710	330	83300	85.767	ng	0.00
45) 2-Fluorobiphenyl	9.239	172	309785	43.119	ng	0.00
79) Terphenyl-d14	12.992	244	457697	41.476	ng	0.00
Target Compounds						
						Qvalue
75) Fluoranthene	12.622	202	42113	4.342	ng	100
78) Pyrene	12.851	202	43782	3.063	ng	99
88) Benzo(b)fluoranthene	15.104	252	15117m	2.527	ng	

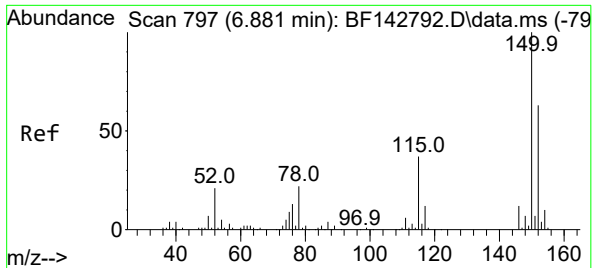
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF062425\
Data File : BF142826.D
Acq On : 24 Jun 2025 18:34
Operator : RC/JU
Sample : Q2393-09
Misc :
ALS Vial : 17 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
PARK AVE -5

Quant Time: Jun 25 01:29:30 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

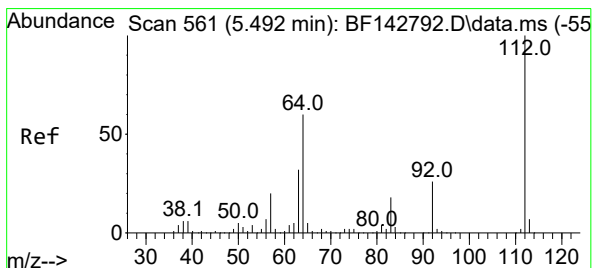
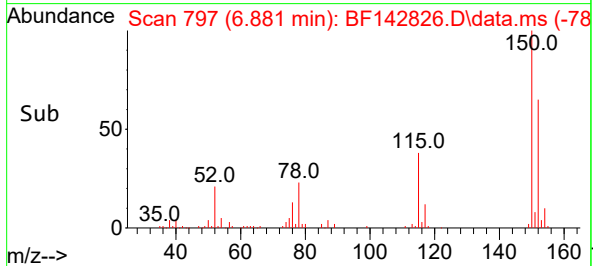
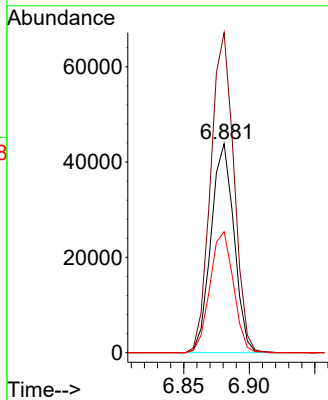
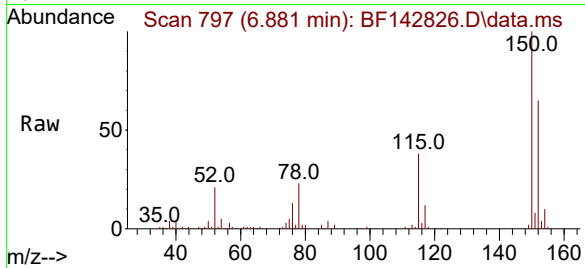




#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.881 min Scan# 797
Delta R.T. -0.000 min
Lab File: BF142826.D
Acq: 24 Jun 2025 18:34

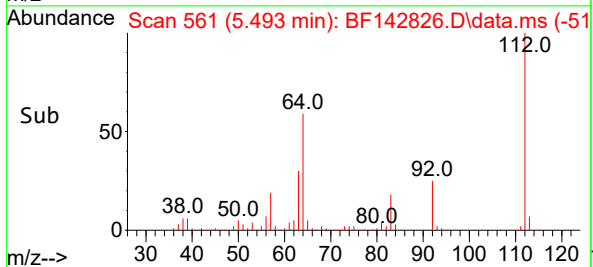
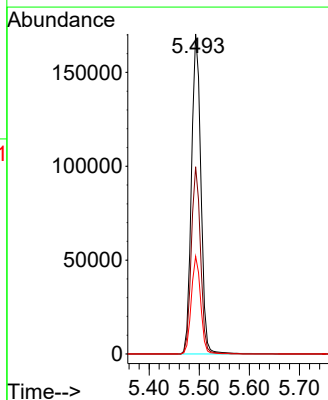
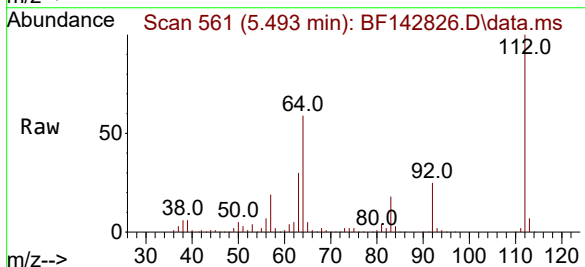
Instrument :
BNA_F
ClientSampleId :
PARK AVE -5

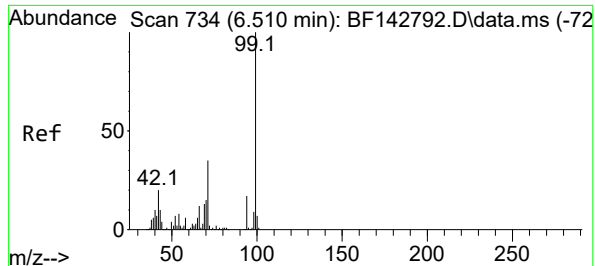
Tgt Ion:152 Resp: 53337
Ion Ratio Lower Upper
152 100
150 153.2 127.2 190.8
115 57.9 46.6 69.8



#5
2-Fluorophenol
Concen: 69.404 ng
RT: 5.493 min Scan# 561
Delta R.T. 0.001 min
Lab File: BF142826.D
Acq: 24 Jun 2025 18:34

Tgt Ion:112 Resp: 222339
Ion Ratio Lower Upper
112 100
64 58.5 48.2 72.2
63 30.5 25.7 38.5

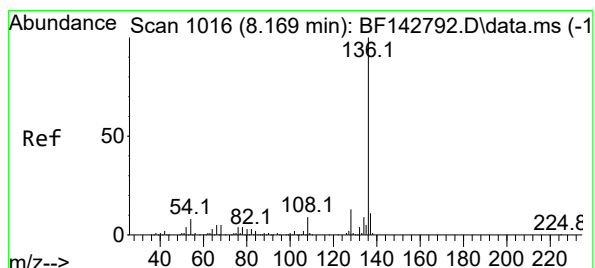
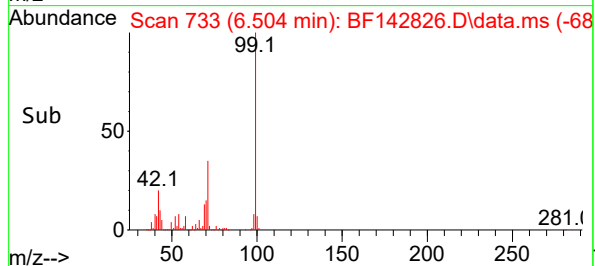
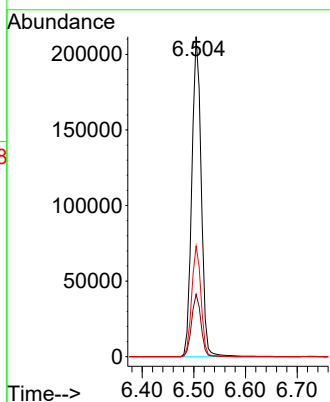
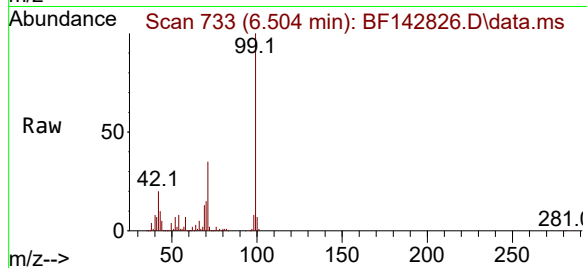




#7
Phenol-d6
Concen: 70.992 ng
RT: 6.504 min Scan# 71
Delta R.T. -0.006 min
Lab File: BF142826.D
Acq: 24 Jun 2025 18:34

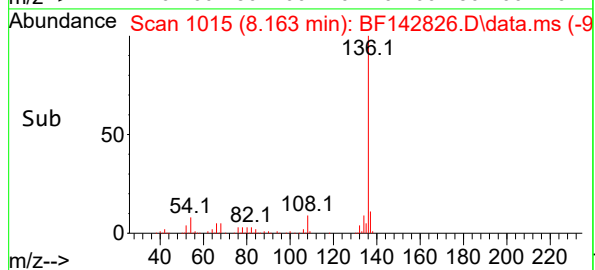
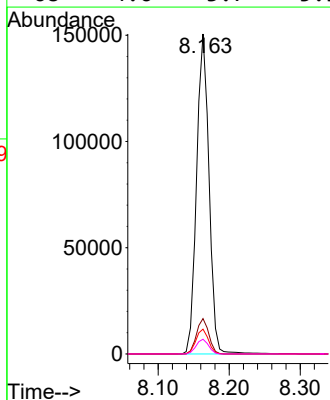
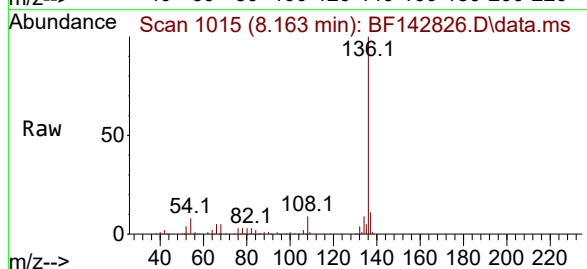
Instrument :
BNA_F
ClientSampleId :
PARK AVE -5

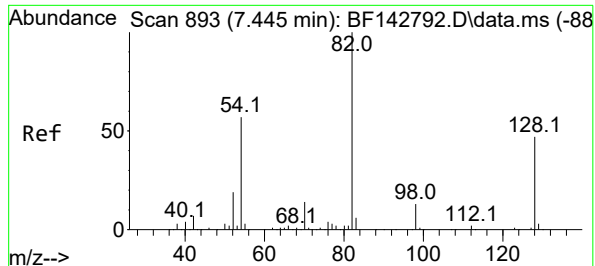
Tgt Ion: 99 Resp: 268320
Ion Ratio Lower Upper
99 100
42 19.5 15.9 23.9
71 34.5 27.8 41.8



#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.163 min Scan# 1015
Delta R.T. -0.006 min
Lab File: BF142826.D
Acq: 24 Jun 2025 18:34

Tgt Ion: 136 Resp: 183629
Ion Ratio Lower Upper
136 100
137 11.0 8.4 12.6
54 7.7 6.3 9.5
68 4.6 3.7 5.5





#23

Nitrobenzene-d5

Concen: 43.047 ng

RT: 7.440 min Scan# 893

Delta R.T. -0.005 min

Lab File: BF142826.D

Acq: 24 Jun 2025 18:34

Instrument :

BNA_F

ClientSampleId :

PARK AVE -5

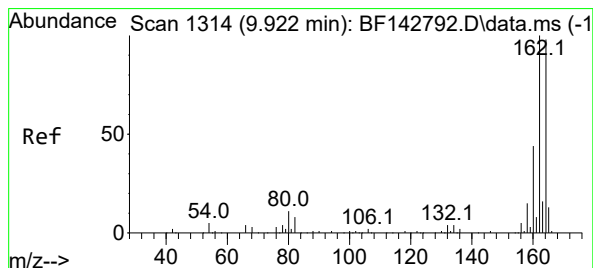
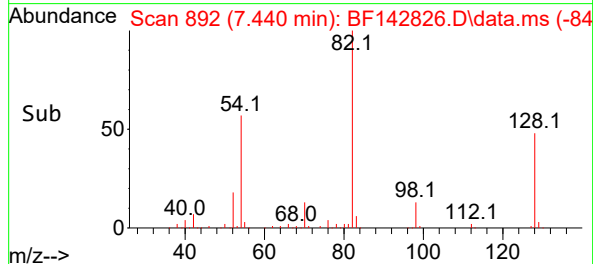
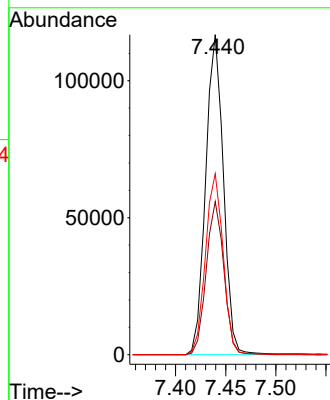
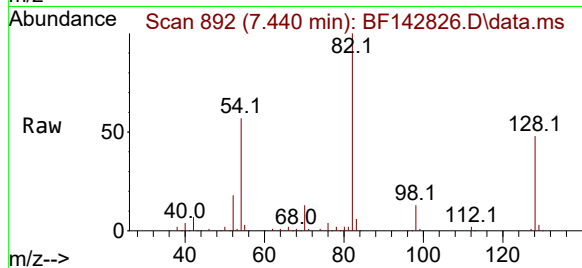
Tgt Ion: 82 Resp: 144112

Ion Ratio Lower Upper

82 100

128 47.8 37.7 56.5

54 56.6 45.7 68.5



#39

Acenaphthene-d10

Concen: 20.000 ng

RT: 9.922 min Scan# 1314

Delta R.T. 0.000 min

Lab File: BF142826.D

Acq: 24 Jun 2025 18:34

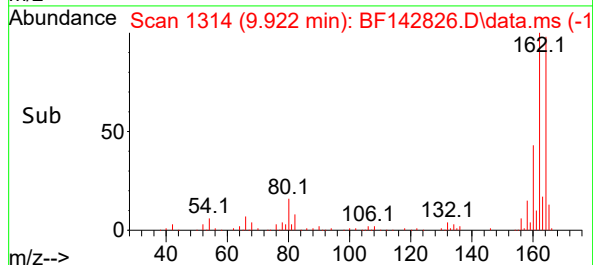
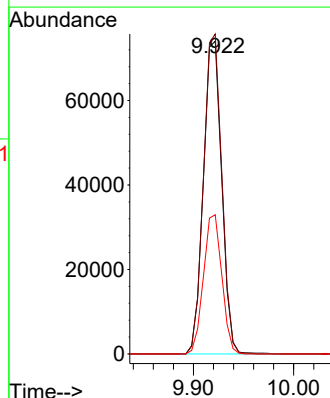
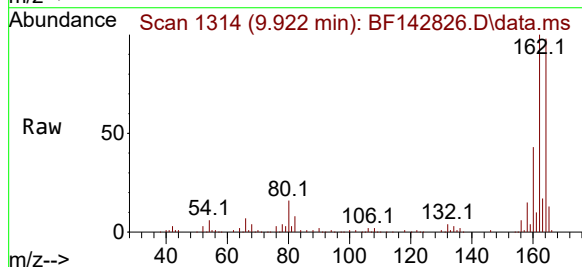
Tgt Ion:164 Resp: 94380

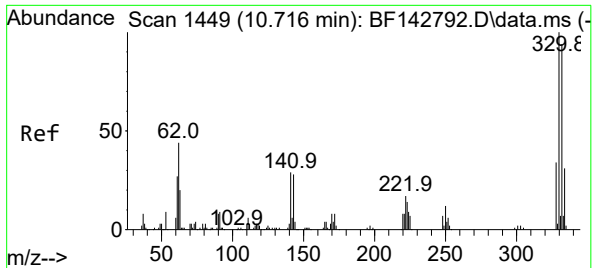
Ion Ratio Lower Upper

164 100

162 102.3 81.8 122.8

160 44.5 36.0 54.0

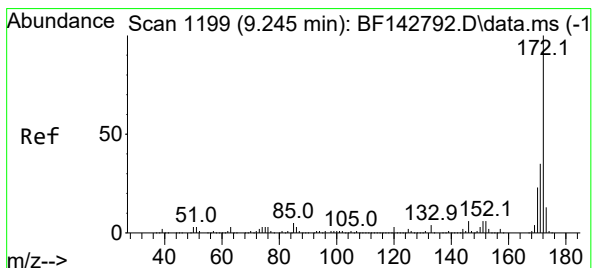
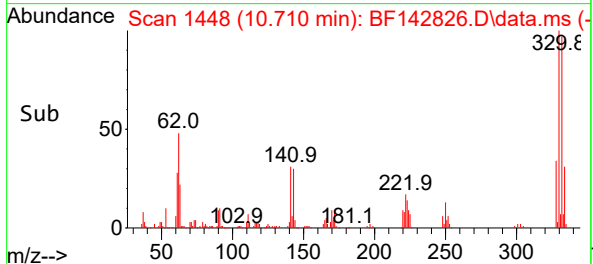
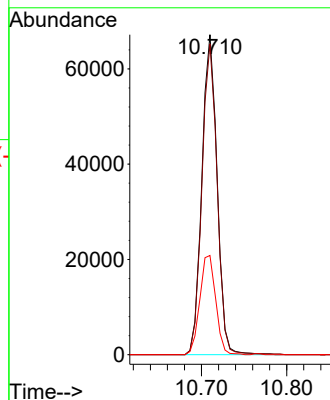
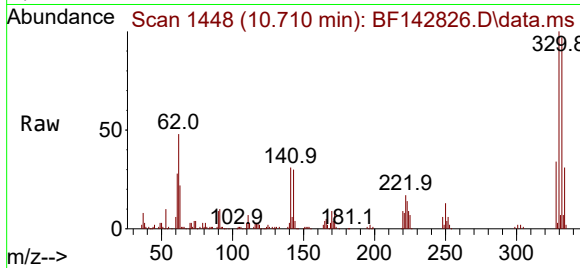




#42
2,4,6-Tribromophenol
Concen: 85.767 ng
RT: 10.710 min Scan# 1448
Delta R.T. -0.006 min
Lab File: BF142826.D
Acq: 24 Jun 2025 18:34

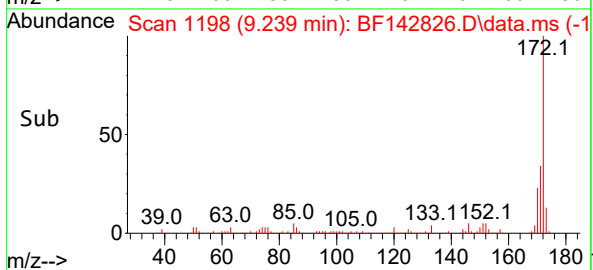
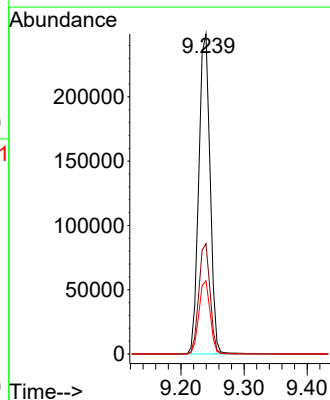
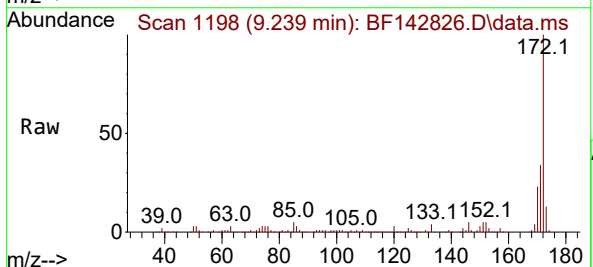
Instrument :
BNA_F
ClientSampleId :
PARK AVE -5

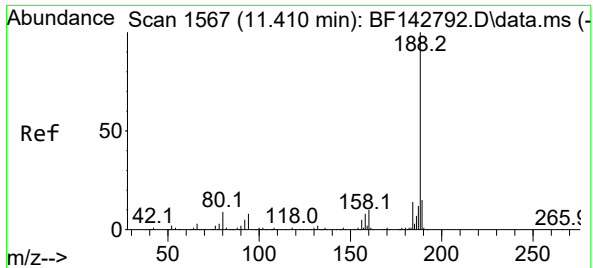
Tgt Ion	330	Resp	83300
Ion Ratio	Lower	Upper	
330	100		
332	96.9	75.0	112.6
141	32.4	25.3	37.9



#45
2-Fluorobiphenyl
Concen: 43.119 ng
RT: 9.239 min Scan# 1198
Delta R.T. -0.006 min
Lab File: BF142826.D
Acq: 24 Jun 2025 18:34

Tgt Ion	172	Resp	309785
Ion Ratio	Lower	Upper	
172	100		
171	34.4	28.2	42.4
170	22.9	18.5	27.7

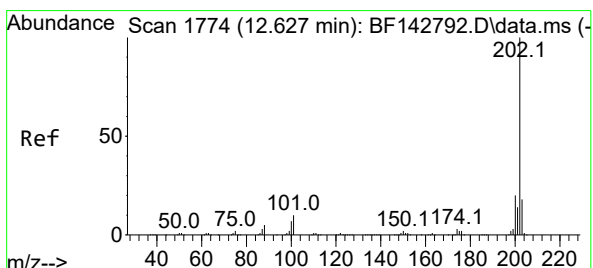
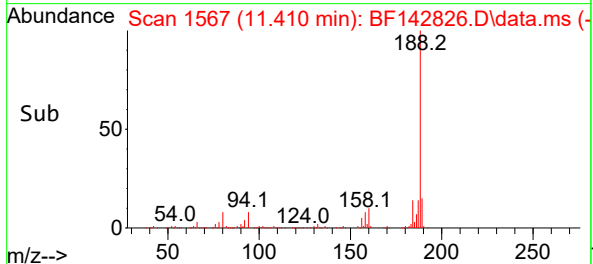
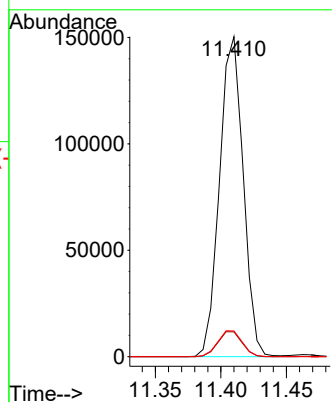
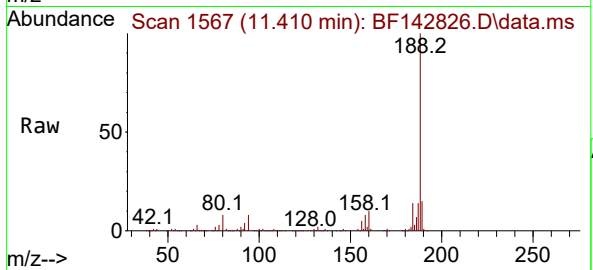




#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.410 min Scan# 11
Delta R.T. 0.000 min
Lab File: BF142826.D
Acq: 24 Jun 2025 18:34

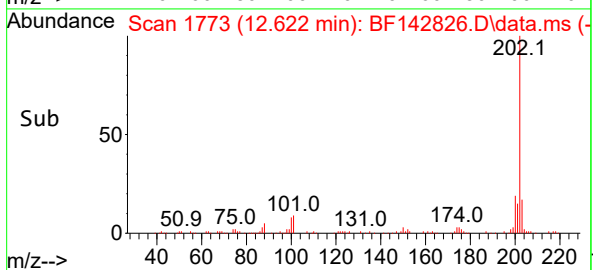
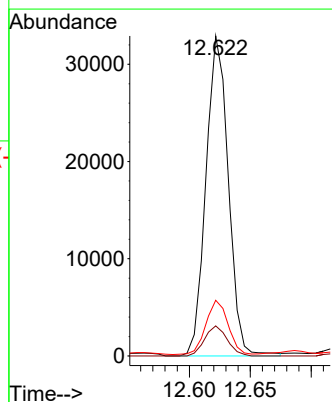
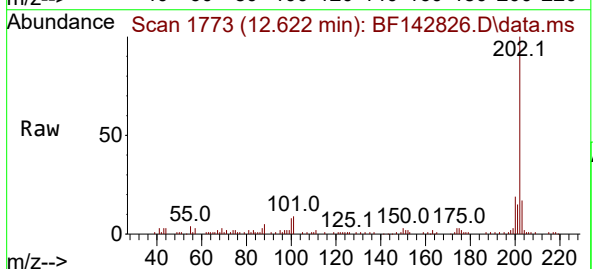
Instrument :
BNA_F
ClientSampleId :
PARK AVE -5

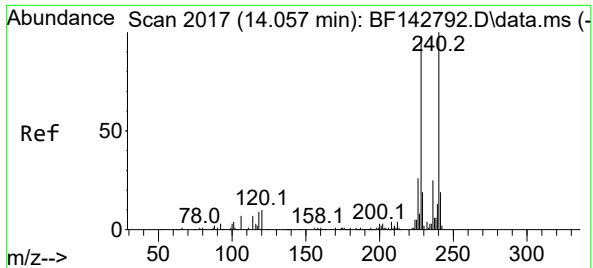
Tgt Ion:188 Resp: 188653
Ion Ratio Lower Upper
188 100
94 7.8 6.7 10.1
80 8.1 6.9 10.3



#75
Fluoranthene
Concen: 4.342 ng
RT: 12.622 min Scan# 1773
Delta R.T. -0.006 min
Lab File: BF142826.D
Acq: 24 Jun 2025 18:34

Tgt Ion:202 Resp: 42113
Ion Ratio Lower Upper
202 100
101 9.4 0.0 29.7
203 17.4 0.0 37.5

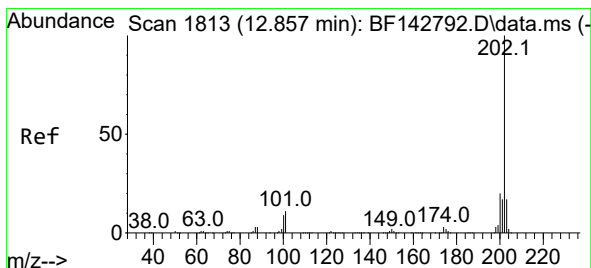
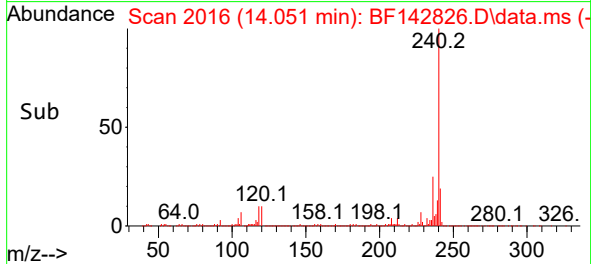
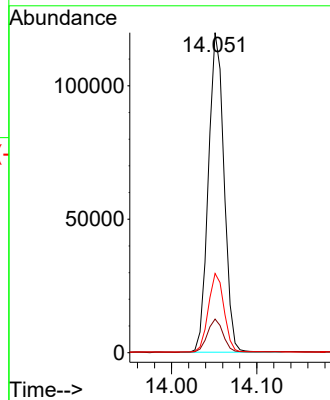
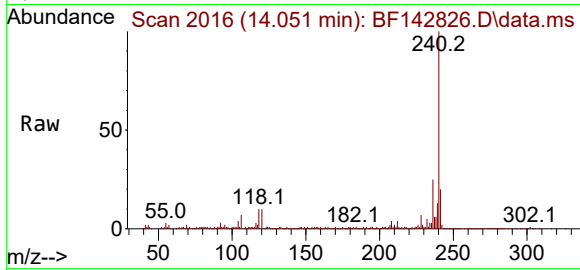




#76
Chrysene-d12
Concen: 20.000 ng
RT: 14.051 min Scan# 20
Delta R.T. -0.006 min
Lab File: BF142826.D
Acq: 24 Jun 2025 18:34

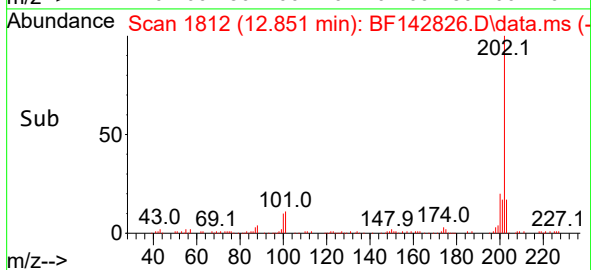
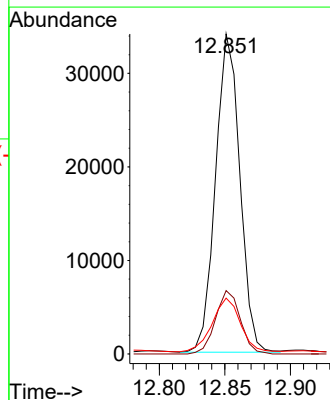
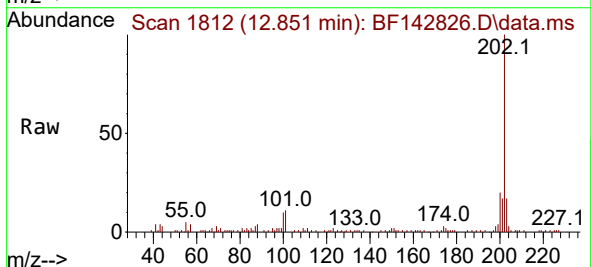
Instrument :
BNA_F
ClientSampleId :
PARK AVE -5

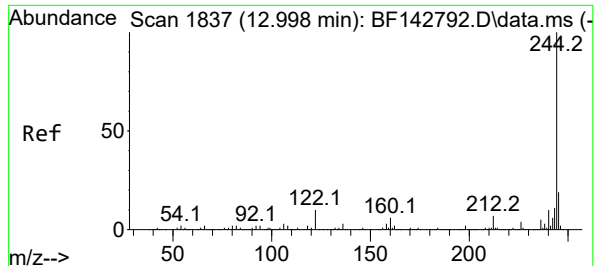
Tgt Ion:240 Resp: 152475
Ion Ratio Lower Upper
240 100
120 10.5 8.2 12.2
236 24.7 19.8 29.8



#78
Pyrene
Concen: 3.063 ng
RT: 12.851 min Scan# 1812
Delta R.T. -0.006 min
Lab File: BF142826.D
Acq: 24 Jun 2025 18:34

Tgt Ion:202 Resp: 43782
Ion Ratio Lower Upper
202 100
200 19.8 15.7 23.5
203 17.5 13.8 20.6





#79

Terphenyl-d14

Concen: 41.476 ng

RT: 12.992 min Scan# 1836

Delta R.T. -0.006 min

Lab File: BF142826.D

Acq: 24 Jun 2025 18:34

Instrument :

BNA_F

ClientSampleId :

PARK AVE -5

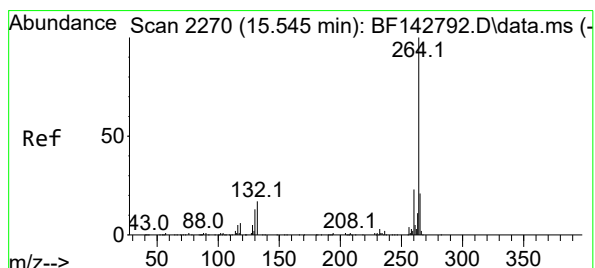
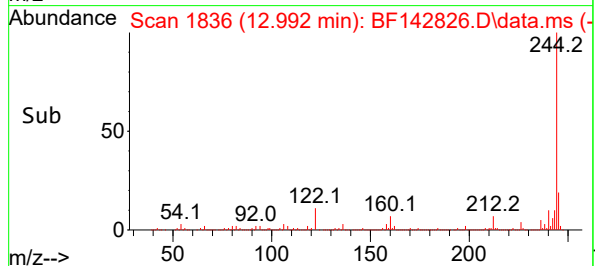
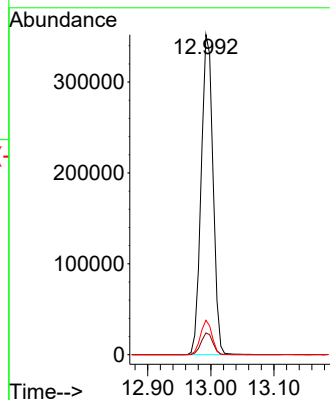
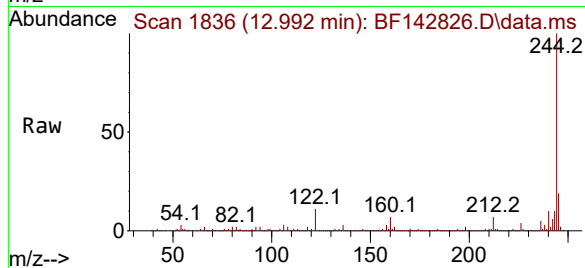
Tgt Ion:244 Resp: 457697

Ion Ratio Lower Upper

244 100

212 6.8 5.4 8.0

122 10.7 8.2 12.2



#86

Perylene-d12

Concen: 20.000 ng

RT: 15.545 min Scan# 2270

Delta R.T. 0.000 min

Lab File: BF142826.D

Acq: 24 Jun 2025 18:34

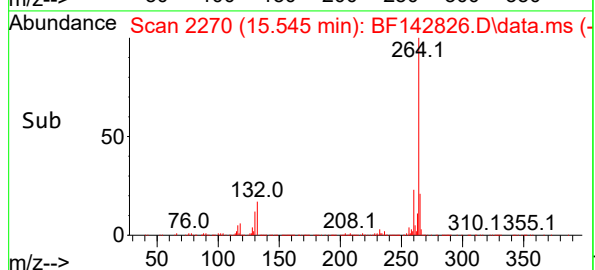
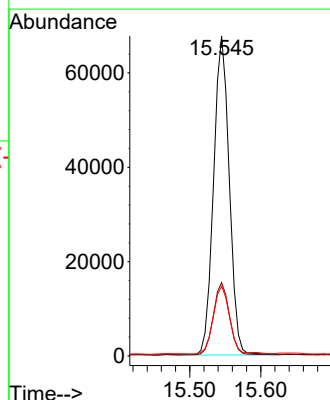
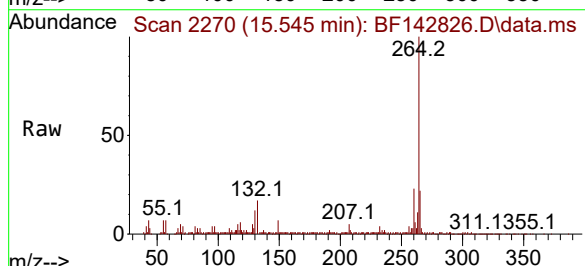
Tgt Ion:264 Resp: 103394

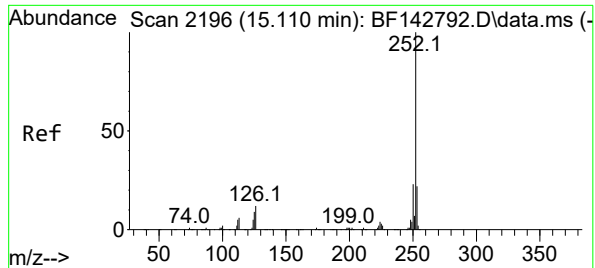
Ion Ratio Lower Upper

264 100

260 23.0 18.1 27.1

265 21.8 16.6 25.0





#88

Benzo(b)fluoranthene

Concen: 2.527 ng m

RT: 15.104 min Scan# 21

Delta R.T. -0.006 min

Lab File: BF142826.D

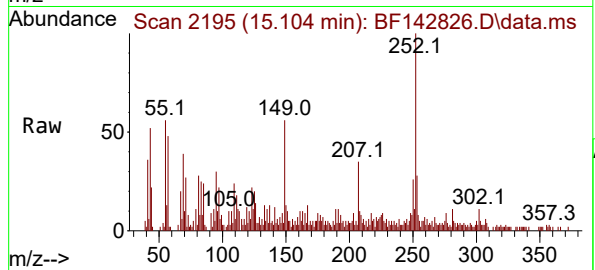
Acq: 24 Jun 2025 18:34

Instrument :

BNA_F

ClientSampleId :

PARK AVE -5



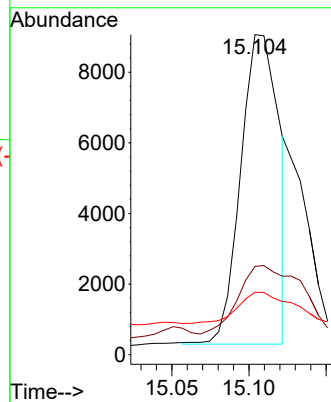
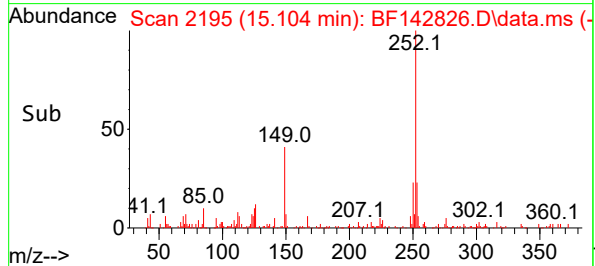
Tgt Ion:252 Resp: 15117

Ion Ratio Lower Upper

252 100

253 27.6 17.5 26.3#

125 19.5 7.4 11.0#



Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF062425\
 Data File : BF142826.D
 Acq On : 24 Jun 2025 18:34
 Operator : RC/JU
 Sample : Q2393-09
 Misc :
 ALS Vial : 17 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 PARK AVE -5

Integration Parameters: rteint.p

Integrator: RTE

Smoothing : ON

Filtering: 5

Sampling : 1

Min Area: 3 % of largest Peak

Start Thrs: 0.2

Max Peaks: 100

Stop Thrs : 0

Peak Location: TOP

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

Peak separation: 5

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

Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

Signal : TIC: BF142826.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	59597	86968	7.11%	1.119%
2	5.493	556	561	573	rBV	592468	759279	62.12%	9.773%
3	6.504	728	733	751	rBV	607172	772174	63.17%	9.939%
4	6.881	792	797	802	rBV	243544	299468	24.50%	3.855%
5	7.440	887	892	897	rBV	354156	433257	35.44%	5.577%
6	8.163	1010	1015	1020	rBV	291537	351321	28.74%	4.522%
7	9.239	1192	1198	1203	rBV	687223	860560	70.40%	11.077%
8	9.922	1308	1314	1318	rBV	306443	391208	32.00%	5.035%
9	10.634	1430	1435	1442	rBV	65847	84119	6.88%	1.083%
10	10.710	1442	1448	1458	rBV	494443	631617	51.67%	8.130%
11	10.822	1463	1467	1475	rVB5	9634	17272	1.41%	0.222%
12	11.410	1561	1567	1574	rBV	360983	487493	39.88%	6.275%
13	11.928	1649	1655	1667	rBV3	87341	159271	13.03%	2.050%
14	12.022	1668	1671	1680	rVB	12156	25767	2.11%	0.332%
15	12.622	1769	1773	1779	rBV	74740	100263	8.20%	1.291%
16	12.716	1786	1789	1793	rBV3	12681	17225	1.41%	0.222%
17	12.851	1807	1812	1819	rBV	76477	118151	9.67%	1.521%
18	12.992	1831	1836	1844	rVB	937153	1222348	100.00%	15.733%
19	13.892	1985	1989	1999	rVB2	82775	145612	11.91%	1.874%
20	14.051	2011	2016	2029	rVB	335585	490632	40.14%	6.315%
21	15.545	2265	2270	2279	rVB	184906	315159	25.78%	4.057%

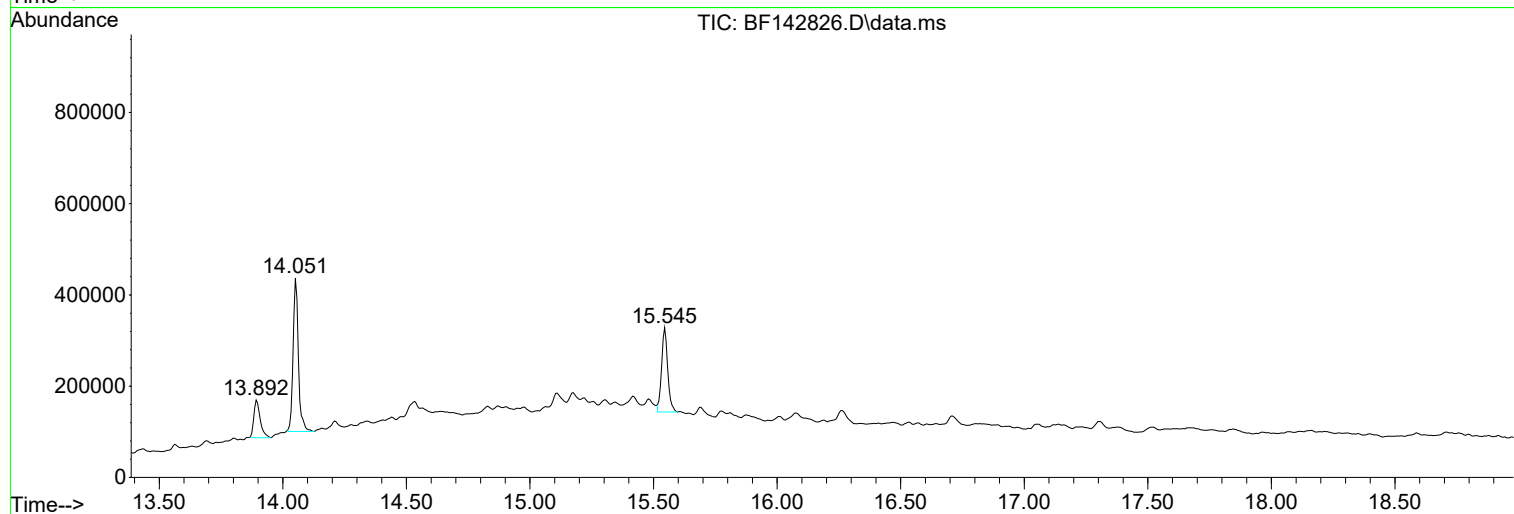
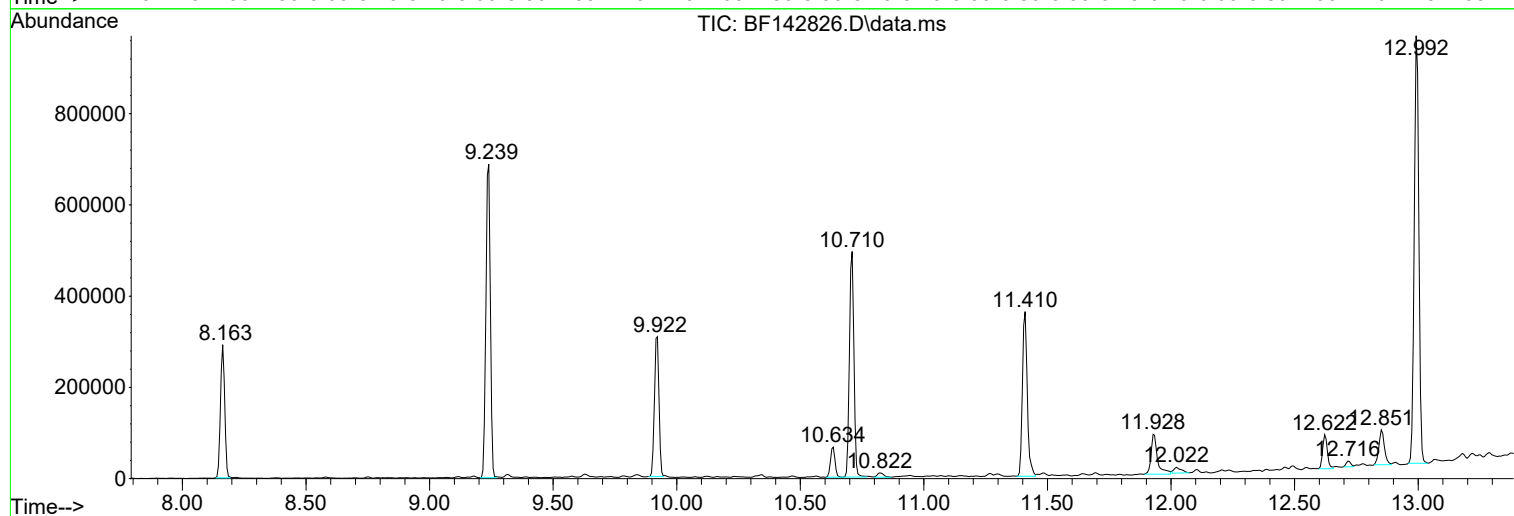
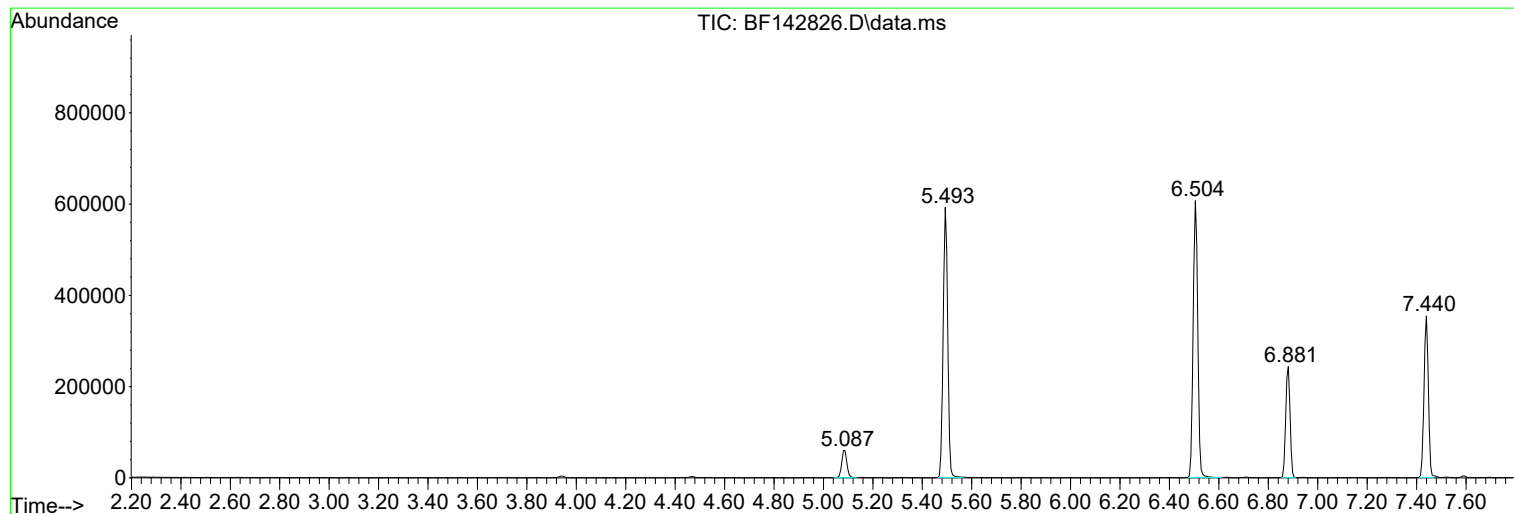
Sum of corrected areas: 7769164

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF062425\
Data File : BF142826.D
Acq On : 24 Jun 2025 18:34
Operator : RC/JU
Sample : Q2393-09
Misc :
ALS Vial : 17 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
PARK AVE -5

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\BF062425\
Data File : BF142826.D
Acq On : 24 Jun 2025 18:34
Operator : RC/JU
Sample : Q2393-09
Misc :
ALS Vial : 17 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
PARK AVE -5

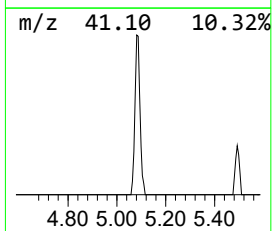
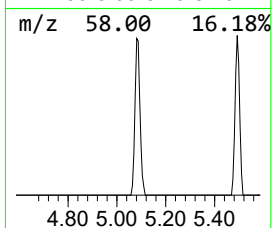
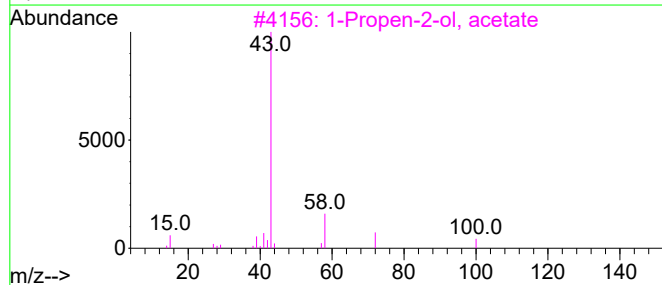
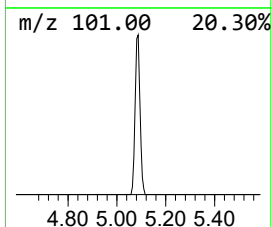
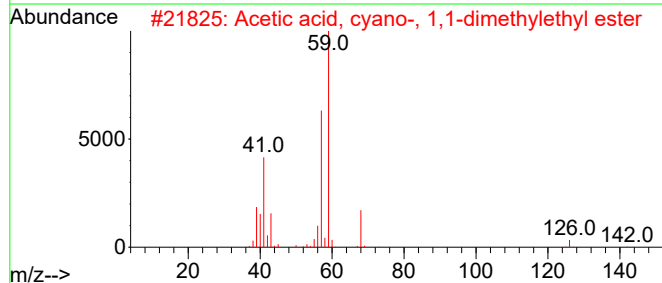
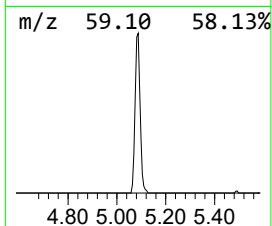
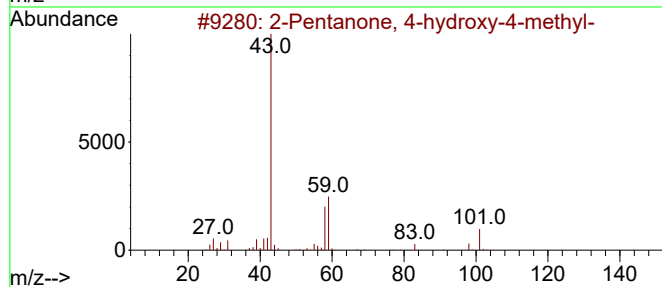
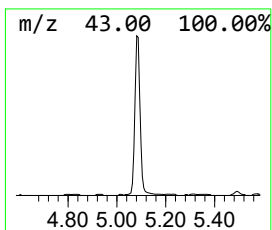
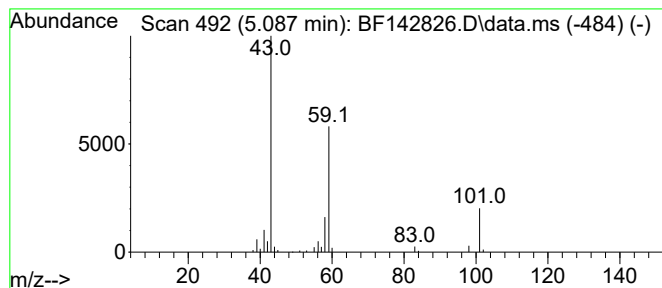
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF061925.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 1 2-Pentanone, 4-hydroxy-4-me... Concentration Rank 3

R.T.	EstConc	Area	Relative to ISTD	R.T.
5.087	5.81 ng	86968	1,4-Dichlorobenzene-d4	6.881

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	25
3		1-Propen-2-ol, acetate	100	C5H8O2	000108-22-5	10
4		Morpholine, 4-methyl-	101	C5H11NO	000109-02-4	9
5		Butane, 1-ethoxy-	102	C6H14O	000628-81-9	9



Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF062425\
Data File : BF142826.D
Acq On : 24 Jun 2025 18:34
Operator : RC/JU
Sample : Q2393-09
Misc :
ALS Vial : 17 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
PARK AVE -5

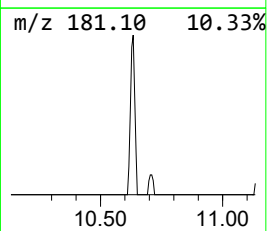
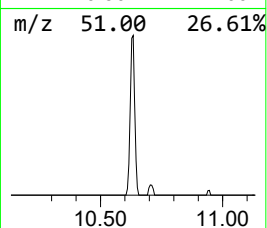
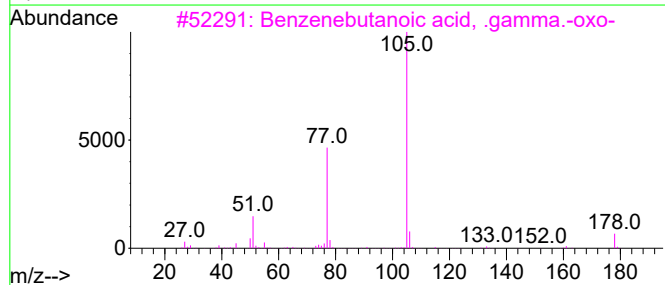
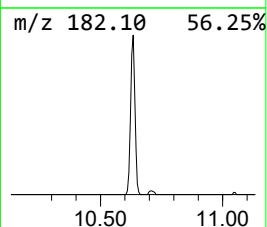
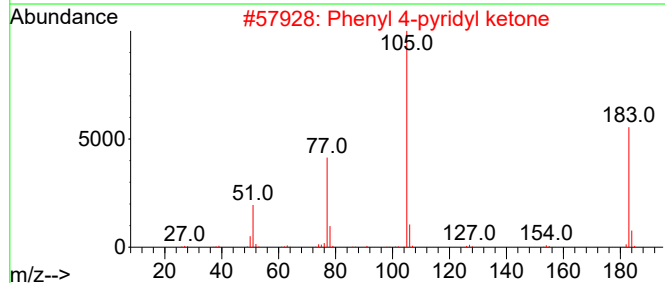
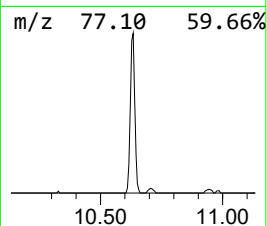
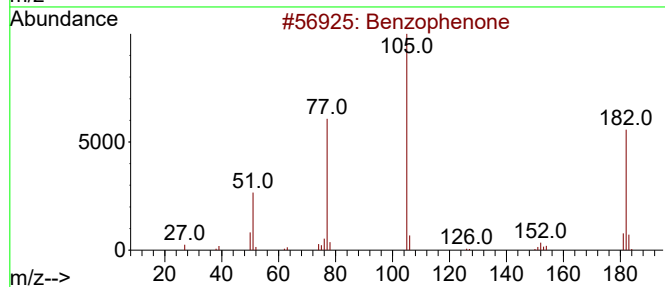
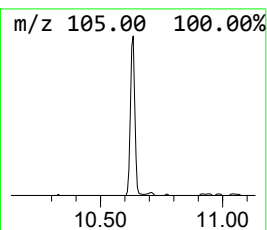
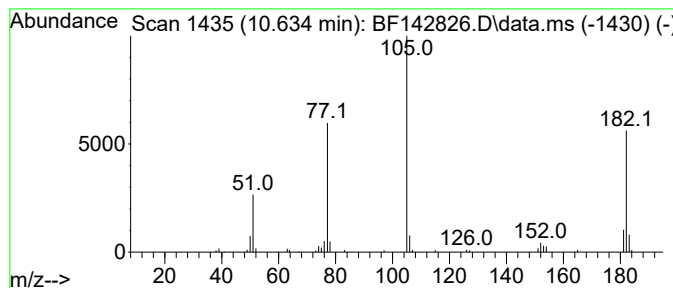
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 2 Benzophenone Concentration Rank 4

R.T.	EstConc	Area	Relative to ISTD	R.T.
10.634	4.30 ng	84119	Acenaphthene-d10	9.922

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	47
3			Benzenebutanoic acid, .gamma.-oxo-	178	C10H10O3	002051-95-8	47
4			acetic acid, 2-bromo-, 2-oxo-2-p...	256	C10H9BrO3	1000401-50-0	47
5			1,2-Propanedione, 1-phenyl-	148	C9H8O2	000579-07-7	47



Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF062425\
Data File : BF142826.D
Acq On : 24 Jun 2025 18:34
Operator : RC/JU
Sample : Q2393-09
Misc :
ALS Vial : 17 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
PARK AVE -5

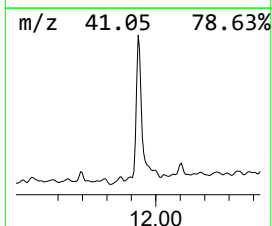
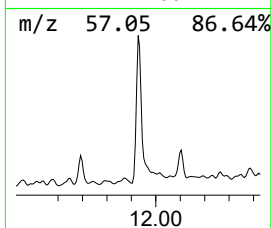
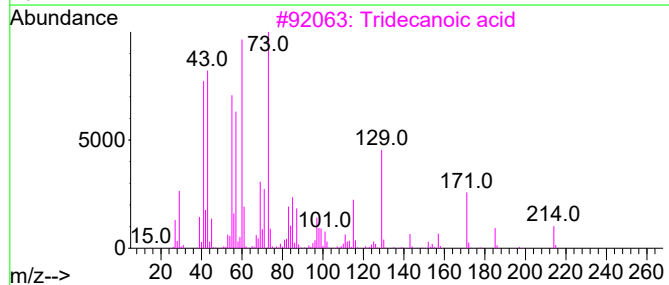
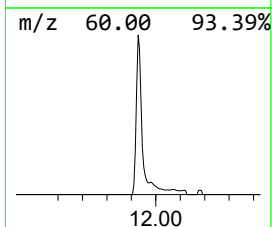
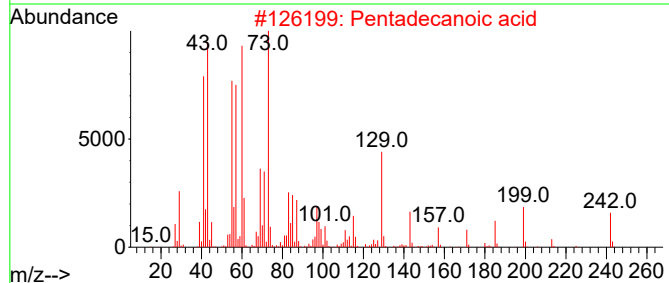
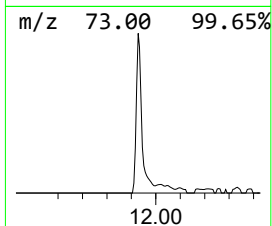
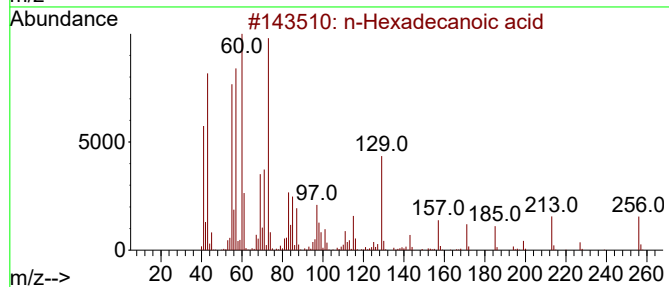
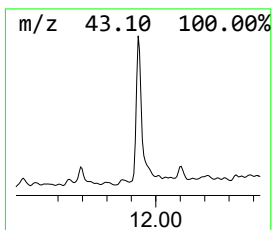
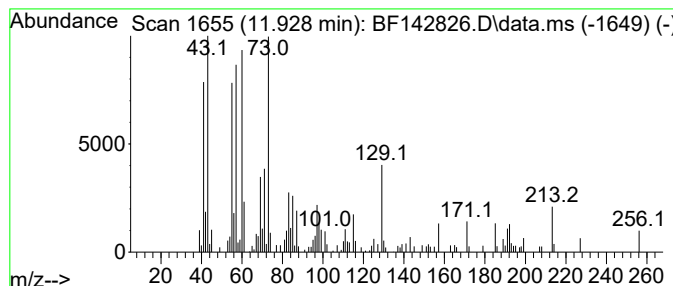
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 3 n-Hexadecanoic acid Concentration Rank 1

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.928	6.53 ng	159271	Phenanthrene-d10	11.410

Hit#	of 5	Tentative ID	MW	MolForm	CAS#	Qual
1		n-Hexadecanoic acid	256	C16H32O2	000057-10-3	99
2		Pentadecanoic acid	242	C15H30O2	001002-84-2	93
3		Tridecanoic acid	214	C13H26O2	000638-53-9	91
4		n-Decanoic acid	172	C10H20O2	000334-48-5	91
5		Tetradecanoic acid	228	C14H28O2	000544-63-8	80



Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF062425\
Data File : BF142826.D
Acq On : 24 Jun 2025 18:34
Operator : RC/JU
Sample : Q2393-09
Misc :
ALS Vial : 17 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
PARK AVE -5

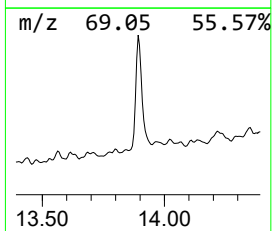
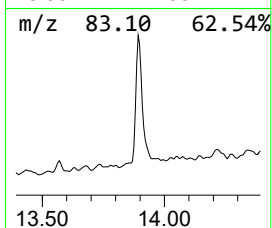
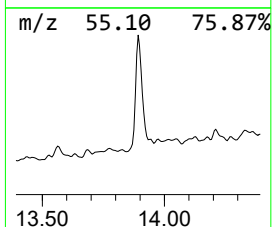
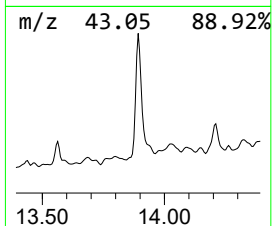
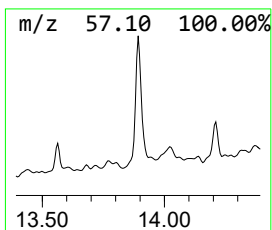
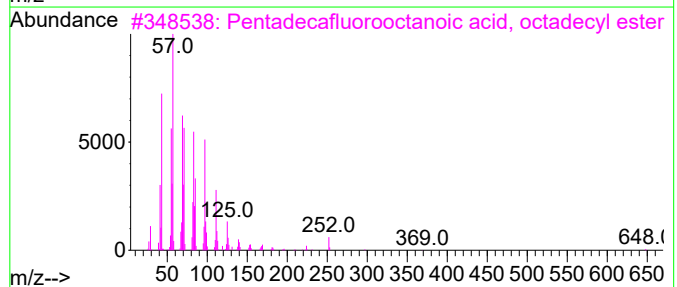
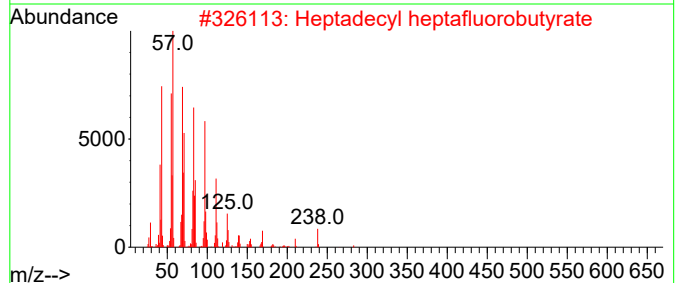
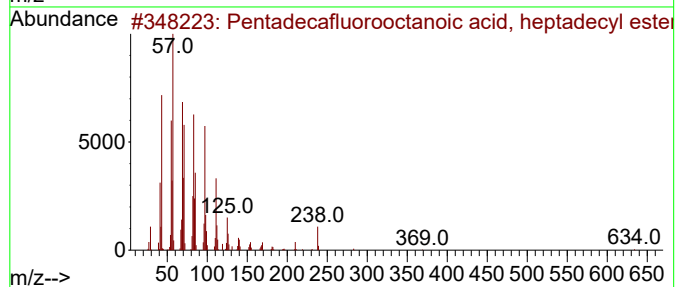
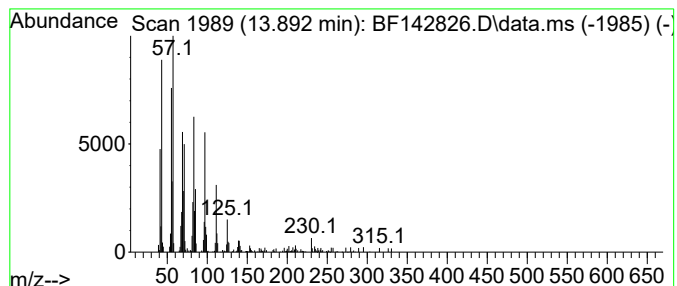
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF061925.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 4 Pentadecafluorooctanoic aci... Concentration Rank 2

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.892	5.94 ng	145612	Chrysene-d12	14.051

Hit#	of	5	Tentative ID	MW	MolForm	CAS#	Qual
1			Pentadecafluorooctanoic acid, he...	652	C25H35F15O2	1000406-04-7	94
2			Heptadecyl heptafluorobutyrate	452	C21H35F7O2	959085-66-6	94
3			Pentadecafluorooctanoic acid, oc...	666	C26H37F15O2	1000406-04-8	94
4			1-Heneicosanol	312	C21H44O	015594-90-8	93
5			Heptafluorobutyric acid, hexadec...	438	C20H33F7O2	006385-15-5	91



Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF062425\
Data File : BF142826.D
Acq On : 24 Jun 2025 18:34
Operator : RC/JU
Sample : Q2393-09
Misc :
ALS Vial : 17 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
PARK AVE -5

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	86968	1	6.881	299468	20.0
Benzophenone	10.634	4.3	ng	84119	3	9.922	391208	20.0
n-Hexadecanoic ...	11.928	6.5	ng	159271	4	11.410	487493	20.0
Pentadecafluoro...	13.892	5.9	ng	145612	5	14.051	490632	20.0

Report of Analysis

Client:	Union Paving & Construction Company	Date Collected:	06/23/25
Project:	190 Park Ave Hanover Twp NJ - PO 2556-001	Date Received:	06/23/25
Client Sample ID:	PARK AVE -6	SDG No.:	Q2393
Lab Sample ID:	Q2393-11	Matrix:	SOIL
Analytical Method:	8270E	% Solid:	86.8
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
BF142823.D	1	06/24/25 13:00	06/24/25 17:01	PB168601

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	25.4	U	25.4	200	ug/Kg
111-44-4	bis(2-Chloroethyl)ether	28.0	U	28.0	200	ug/Kg
95-57-8	2-Chlorophenol	28.1	U	28.1	200	ug/Kg
95-48-7	2-Methylphenol	34.4	U	34.4	200	ug/Kg
108-60-1	2,2-oxybis(1-Chloropropane)	43.1	U	43.1	200	ug/Kg
98-86-2	Acetophenone	33.9	U	33.9	200	ug/Kg
65794-96-9	3+4-Methylphenols	47.3	U	47.3	380	ug/Kg
621-64-7	n-Nitroso-di-n-propylamine	54.5	U	54.5	92.0	ug/Kg
67-72-1	Hexachloroethane	20.2	U	20.2	200	ug/Kg
98-95-3	Nitrobenzene	21.1	U	21.1	200	ug/Kg
78-59-1	Isophorone	37.7	U	37.7	200	ug/Kg
88-75-5	2-Nitrophenol	67.0	U	67.0	200	ug/Kg
105-67-9	2,4-Dimethylphenol	74.6	U	74.6	200	ug/Kg
111-91-1	bis(2-Chloroethoxy)methane	35.4	U	35.4	200	ug/Kg
120-83-2	2,4-Dichlorophenol	32.6	U	32.6	200	ug/Kg
91-20-3	Naphthalene	26.1	U	26.1	200	ug/Kg
106-47-8	4-Chloroaniline	40.7	U	40.7	200	ug/Kg
87-68-3	Hexachlorobutadiene	29.1	U	29.1	200	ug/Kg
105-60-2	Caprolactam	59.9	U	59.9	380	ug/Kg
59-50-7	4-Chloro-3-methylphenol	33.0	U	33.0	200	ug/Kg
91-57-6	2-Methylnaphthalene	29.5	U	29.5	200	ug/Kg
77-47-4	Hexachlorocyclopentadiene	130	U	130	380	ug/Kg
88-06-2	2,4,6-Trichlorophenol	22.8	U	22.8	200	ug/Kg
95-95-4	2,4,5-Trichlorophenol	33.5	U	33.5	200	ug/Kg
92-52-4	1,1-Biphenyl	25.1	U	25.1	200	ug/Kg
91-58-7	2-Chloronaphthalene	25.9	U	25.9	200	ug/Kg
88-74-4	2-Nitroaniline	55.3	U	55.3	200	ug/Kg
131-11-3	Dimethylphthalate	31.2	U	31.2	200	ug/Kg

Report of Analysis

Client:	Union Paving & Construction Company	Date Collected:	06/23/25
Project:	190 Park Ave Hanover Twp NJ - PO 2556-001	Date Received:	06/23/25
Client Sample ID:	PARK AVE -6	SDG No.:	Q2393
Lab Sample ID:	Q2393-11	Matrix:	SOIL
Analytical Method:	8270E	% Solid:	86.8
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
BF142823.D	1	06/24/25 13:00	06/24/25 17:01	PB168601

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units(Dry Weight)
208-96-8	Acenaphthylene	33.3	U	33.3	200	ug/Kg
606-20-2	2,6-Dinitrotoluene	38.7	U	38.7	200	ug/Kg
99-09-2	3-Nitroaniline	52.9	U	52.9	200	ug/Kg
83-32-9	Acenaphthene	24.5	U	24.5	200	ug/Kg
51-28-5	2,4-Dinitrophenol	260	U	260	380	ug/Kg
100-02-7	4-Nitrophenol	120	U	120	380	ug/Kg
132-64-9	Dibenzofuran	26.1	U	26.1	200	ug/Kg
121-14-2	2,4-Dinitrotoluene	57.6	U	57.6	200	ug/Kg
84-66-2	Diethylphthalate	32.6	U	32.6	200	ug/Kg
7005-72-3	4-Chlorophenyl-phenylether	30.7	U	30.7	200	ug/Kg
86-73-7	Fluorene	29.1	U	29.1	200	ug/Kg
100-01-6	4-Nitroaniline	73.9	U	73.9	200	ug/Kg
534-52-1	4,6-Dinitro-2-methylphenol	120	U	120	380	ug/Kg
86-30-6	n-Nitrosodiphenylamine	37.9	U	37.9	200	ug/Kg
101-55-3	4-Bromophenyl-phenylether	32.0	U	32.0	200	ug/Kg
118-74-1	Hexachlorobenzene	29.1	U	29.1	200	ug/Kg
1912-24-9	Atrazine	39.1	U	39.1	200	ug/Kg
87-86-5	Pentachlorophenol	59.0	U	59.0	380	ug/Kg
85-01-8	Phenanthrene	24.0	U	24.0	200	ug/Kg
120-12-7	Anthracene	38.3	U	38.3	200	ug/Kg
86-74-8	Carbazole	35.9	U	35.9	200	ug/Kg
84-74-2	Di-n-butylphthalate	55.1	U	55.1	200	ug/Kg
206-44-0	Fluoranthene	34.5	U	34.5	200	ug/Kg
129-00-0	Pyrene	41.4	U	41.4	200	ug/Kg
85-68-7	Butylbenzylphthalate	82.1	UQ	82.1	200	ug/Kg
91-94-1	3,3-Dichlorobenzidine	42.2	UQ	42.2	380	ug/Kg
56-55-3	Benzo(a)anthracene	26.5	U	26.5	200	ug/Kg
218-01-9	Chrysene	22.9	U	22.9	200	ug/Kg
117-81-7	Bis(2-ethylhexyl)phthalate	68.1	U	68.1	200	ug/Kg
117-84-0	Di-n-octyl phthalate	99.9	U	99.9	380	ug/Kg
205-99-2	Benzo(b)fluoranthene	21.9	U	21.9	200	ug/Kg

Report of Analysis

Client:	Union Paving & Construction Company	Date Collected:	06/23/25
Project:	190 Park Ave Hanover Twp NJ - PO 2556-001	Date Received:	06/23/25
Client Sample ID:	PARK AVE -6	SDG No.:	Q2393
Lab Sample ID:	Q2393-11	Matrix:	SOIL
Analytical Method:	8270E	% Solid:	86.8
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
BF142823.D	1	06/24/25 13:00	06/24/25 17:01	PB168601

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units(Dry Weight)
207-08-9	Benzo(k)fluoranthene	25.8	U	25.8	200	ug/Kg
50-32-8	Benzo(a)pyrene	33.9	U	33.9	200	ug/Kg
193-39-5	Indeno(1,2,3-cd)pyrene	33.5	U	33.5	200	ug/Kg
53-70-3	Dibenzo(a,h)anthracene	31.5	U	31.5	200	ug/Kg
191-24-2	Benzo(g,h,i)perylene	29.6	U	29.6	200	ug/Kg
95-94-3	1,2,4,5-Tetrachlorobenzene	29.5	U	29.5	200	ug/Kg
123-91-1	1,4-Dioxane	52.0	U	52.0	200	ug/Kg
58-90-2	2,3,4,6-Tetrachlorophenol	31.5	U	31.5	200	ug/Kg
SURROGATES						
367-12-4	2-Fluorophenol	67.1		18 - 112	45%	SPK: 150
13127-88-3	Phenol-d6	67.8		15 - 107	45%	SPK: 150
4165-60-0	Nitrobenzene-d5	41.6		18 - 107	42%	SPK: 100
321-60-8	2-Fluorobiphenyl	35.5		20 - 109	35%	SPK: 100
118-79-6	2,4,6-Tribromophenol	71.0		10 - 116	47%	SPK: 150
1718-51-0	Terphenyl-d14	30.0		10 - 105	30%	SPK: 100
INTERNAL STANDARDS						
3855-82-1	1,4-Dichlorobenzene-d4	73700	6.881			
1146-65-2	Naphthalene-d8	263000	8.163			
15067-26-2	Acenaphthene-d10	131000	9.922			
1517-22-2	Phenanthrene-d10	234000	11.41			
1719-03-5	Chrysene-d12	228000	14.051			
1520-96-3	Perylene-d12	159000	15.545			
TENTATIVE IDENTIFIED COMPOUNDS						
000123-42-2	2-Pentanone, 4-hydroxy-4-methyl-	190	AB		5.09	ug/Kg
000119-61-9	Benzophenone	140	J		10.6	ug/Kg
000057-10-3	n-Hexadecanoic acid	130	J		11.9	ug/Kg
959218-78-1	Pentafluoropropionic acid, heptade	180	J		13.9	ug/Kg

Report of Analysis

Client:	Union Paving & Construction Company		Date Collected:	06/23/25
Project:	190 Park Ave Hanover Twp NJ - PO 2556-001		Date Received:	06/23/25
Client Sample ID:	PARK AVE -6		SDG No.:	Q2393
Lab Sample ID:	Q2393-11		Matrix:	SOIL
Analytical Method:	8270E		% Solid:	86.8
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
BF142823.D	1	06/24/25 13:00	06/24/25 17:01	PB168601

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\BF062425\
Data File : BF142823.D
Acq On : 24 Jun 2025 17:01
Operator : RC/JU
Sample : Q2393-11
Misc :
ALS Vial : 14 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
PARK AVE -6

Quant Time: Jun 24 17:23:14 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	73650	20.000	ng	0.00
21) Naphthalene-d8	8.163	136	263416	20.000	ng	0.00
39) Acenaphthene-d10	9.922	164	131114	20.000	ng	0.00
64) Phenanthrene-d10	11.410	188	233515	20.000	ng	0.00
76) Chrysene-d12	14.051	240	228217	20.000	ng	0.00
86) Perylene-d12	15.545	264	158913	20.000	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.492	112	296694	67.070	ng	0.00
7) Phenol-d6	6.504	99	353931	67.816	ng	0.00
23) Nitrobenzene-d5	7.439	82	199985	41.643	ng	0.00
42) 2,4,6-Tribromophenol	10.710	330	95854	71.042	ng	0.00
45) 2-Fluorobiphenyl	9.239	172	354082	35.477	ng	0.00
79) Terphenyl-d14	12.992	244	495859	30.021	ng	0.00

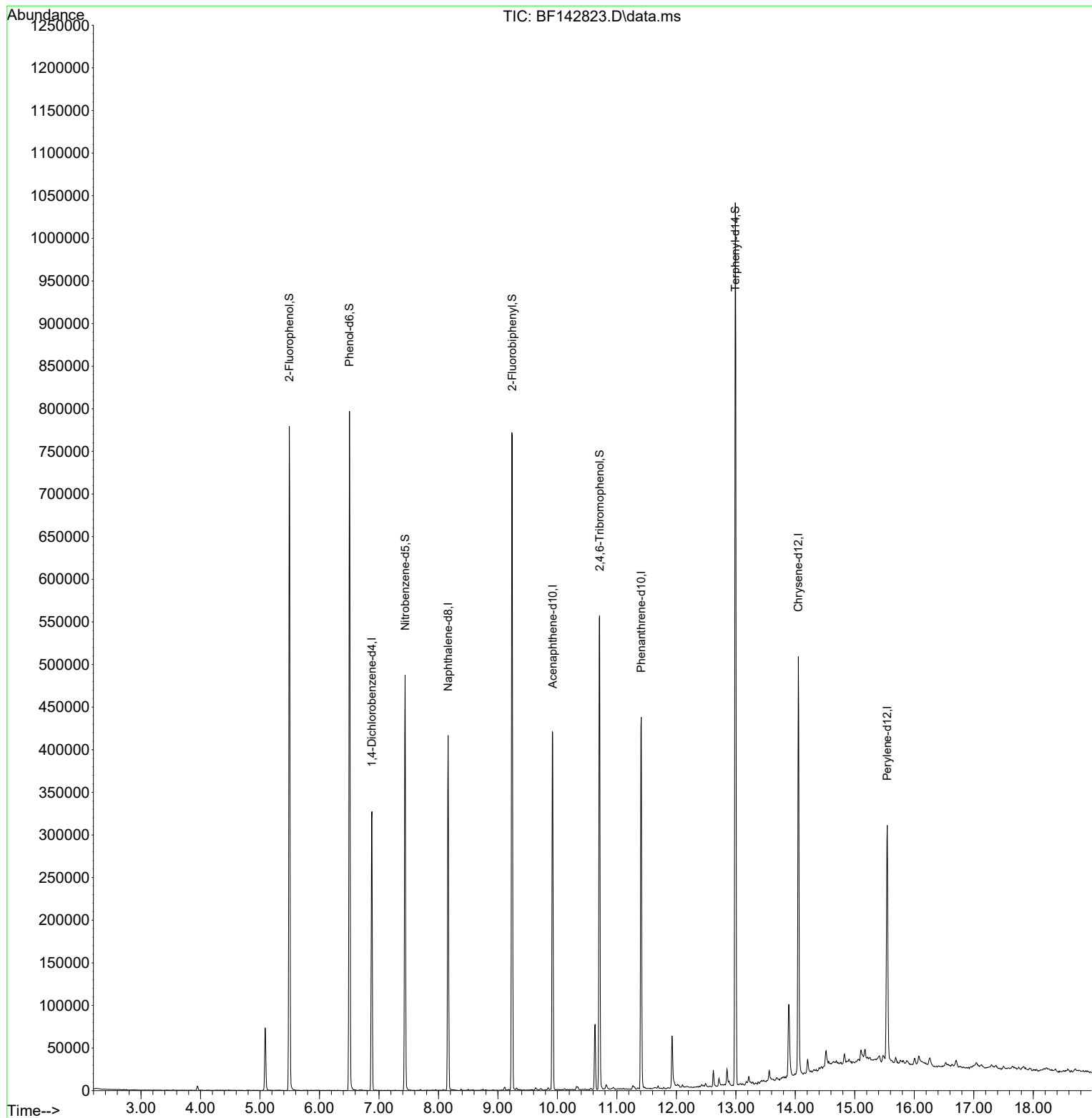
Target Compounds	Qvalue

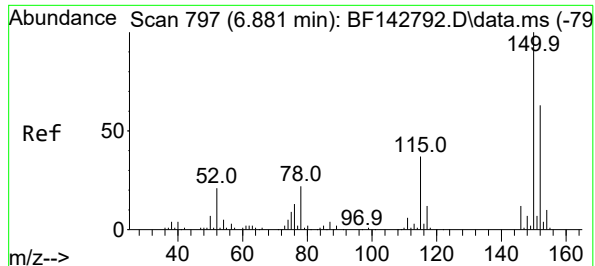
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF062425\
Data File : BF142823.D
Acq On : 24 Jun 2025 17:01
Operator : RC/JU
Sample : Q2393-11
Misc :
ALS Vial : 14 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
PARK AVE -6

Quant Time: Jun 24 17:23:14 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

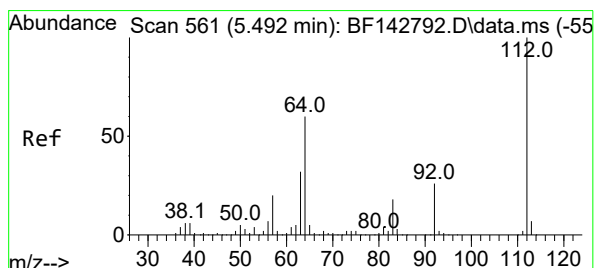
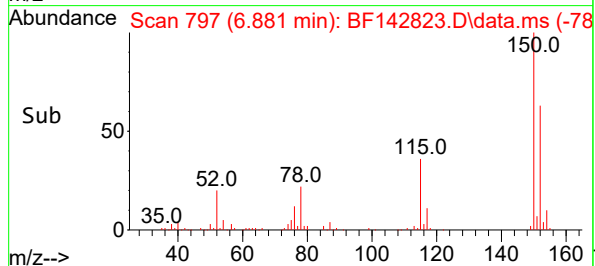
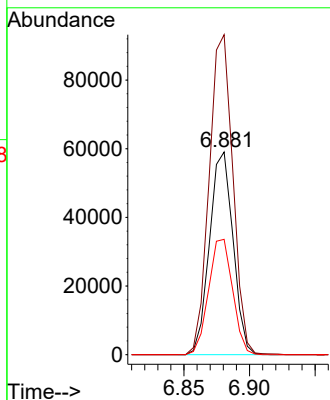
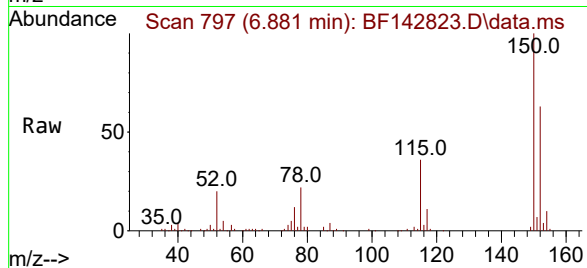




#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.881 min Scan# 797
Delta R.T. -0.000 min
Lab File: BF142823.D
Acq: 24 Jun 2025 17:01

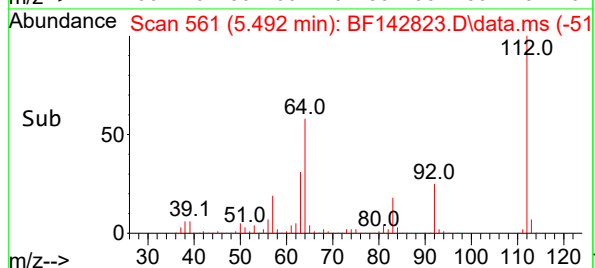
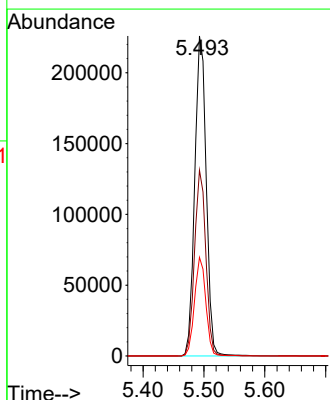
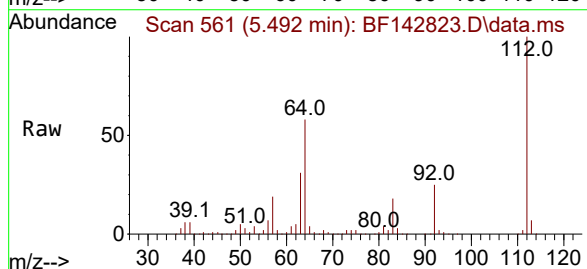
Instrument :
BNA_F
ClientSampleId :
PARK AVE -6

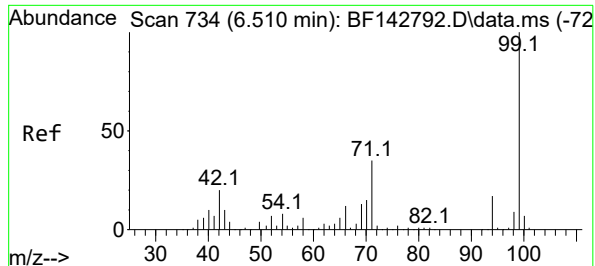
Tgt Ion:152 Resp: 73650
Ion Ratio Lower Upper
152 100
150 157.9 127.2 190.8
115 56.9 46.6 69.8



#5
2-Fluorophenol
Concen: 67.070 ng
RT: 5.492 min Scan# 561
Delta R.T. 0.000 min
Lab File: BF142823.D
Acq: 24 Jun 2025 17:01

Tgt Ion:112 Resp: 296694
Ion Ratio Lower Upper
112 100
64 58.0 48.2 72.2
63 30.8 25.7 38.5

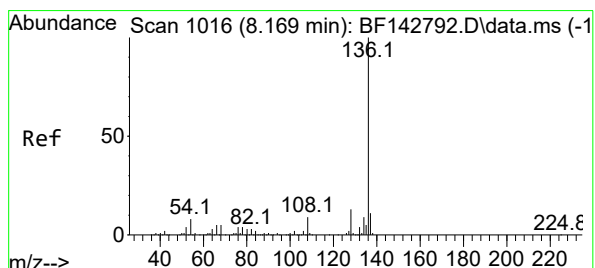
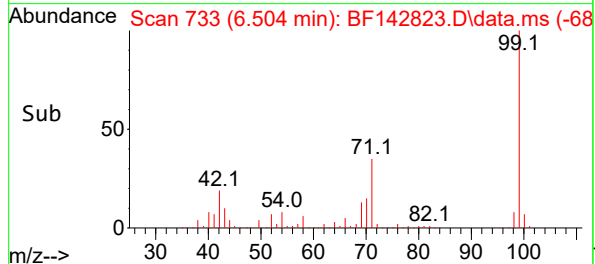
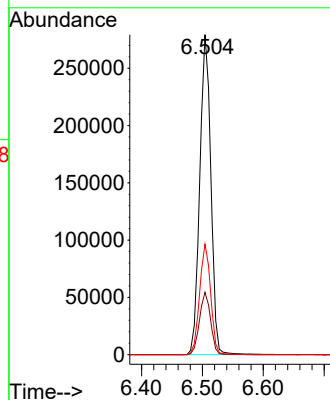
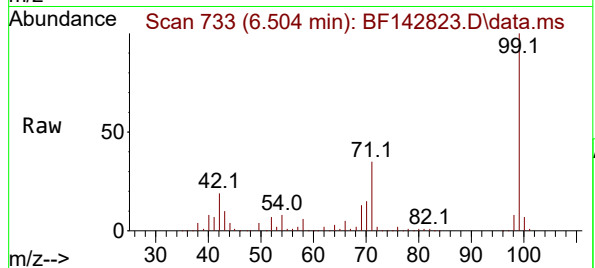




#7
Phenol-d6
Concen: 67.816 ng
RT: 6.504 min Scan# 71
Delta R.T. -0.006 min
Lab File: BF142823.D
Acq: 24 Jun 2025 17:01

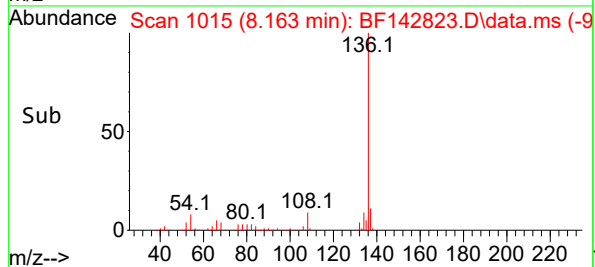
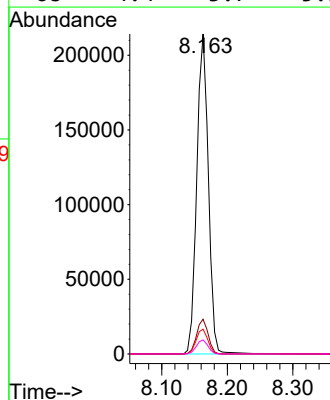
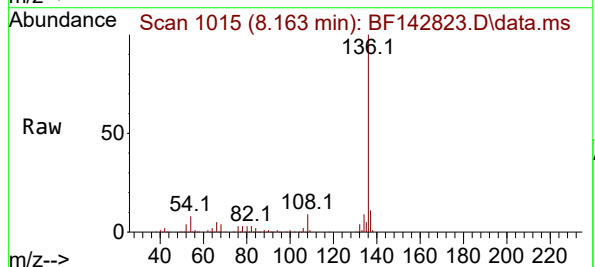
Instrument :
BNA_F
ClientSampleId :
PARK AVE -6

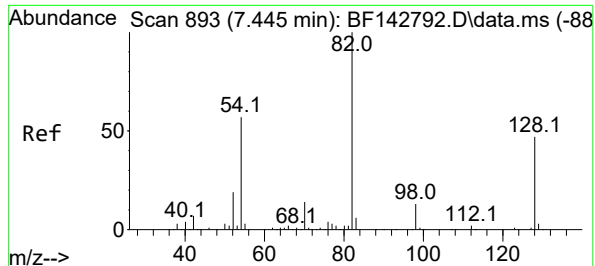
Tgt Ion: 99 Resp: 353931
Ion Ratio Lower Upper
99 100
42 19.5 15.9 23.9
71 34.5 27.8 41.8



#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.163 min Scan# 1015
Delta R.T. -0.006 min
Lab File: BF142823.D
Acq: 24 Jun 2025 17:01

Tgt Ion: 136 Resp: 263416
Ion Ratio Lower Upper
136 100
137 10.8 8.4 12.6
54 7.8 6.3 9.5
68 4.4 3.7 5.5





#23

Nitrobenzene-d5

Concen: 41.643 ng

RT: 7.439 min Scan# 89

Delta R.T. -0.006 min

Lab File: BF142823.D

Acq: 24 Jun 2025 17:01

Instrument :

BNA_F

ClientSampleId :

PARK AVE -6

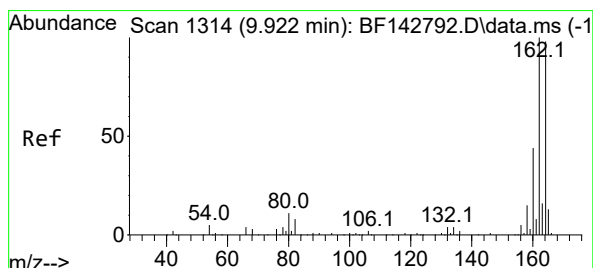
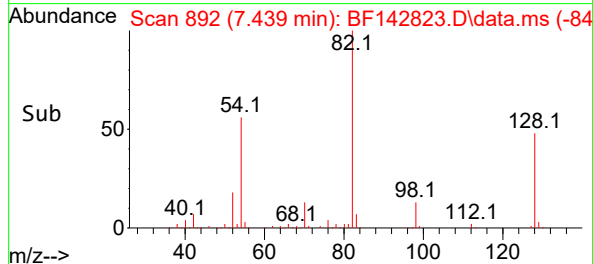
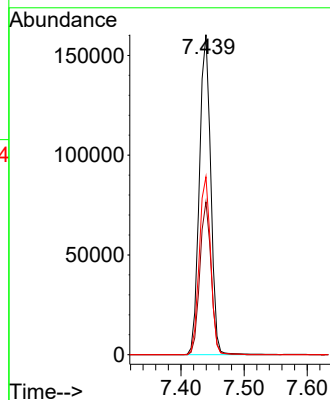
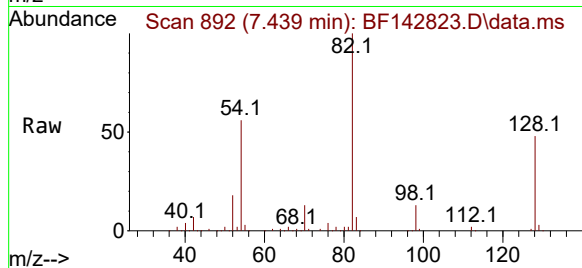
Tgt Ion: 82 Resp: 199985

Ion Ratio Lower Upper

82 100

128 47.8 37.7 56.5

54 55.6 45.7 68.5



#39

Acenaphthene-d10

Concen: 20.000 ng

RT: 9.922 min Scan# 1314

Delta R.T. 0.000 min

Lab File: BF142823.D

Acq: 24 Jun 2025 17:01

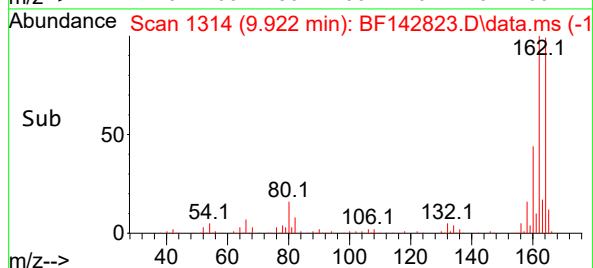
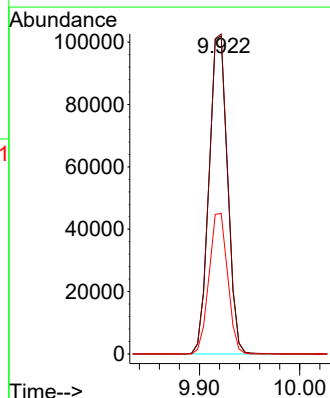
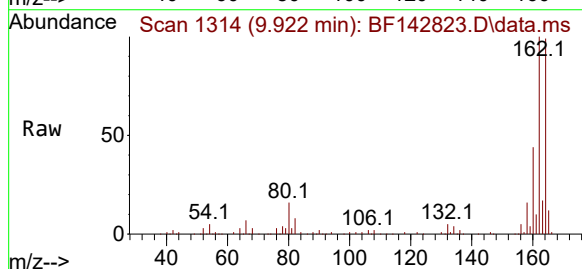
Tgt Ion:164 Resp: 131114

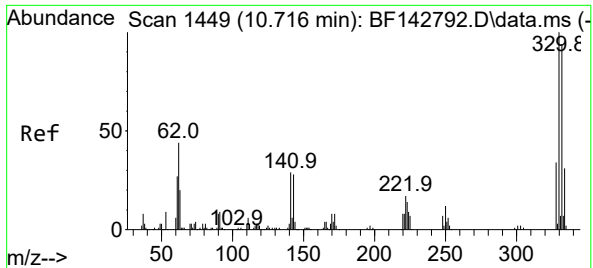
Ion Ratio Lower Upper

164 100

162 100.6 81.8 122.8

160 44.2 36.0 54.0





#42

2,4,6-Tribromophenol

Concen: 71.042 ng

RT: 10.710 min Scan# 1449

Delta R.T. -0.006 min

Lab File: BF142823.D

Acq: 24 Jun 2025 17:01

Instrument :

BNA_F

ClientSampleId :

PARK AVE -6

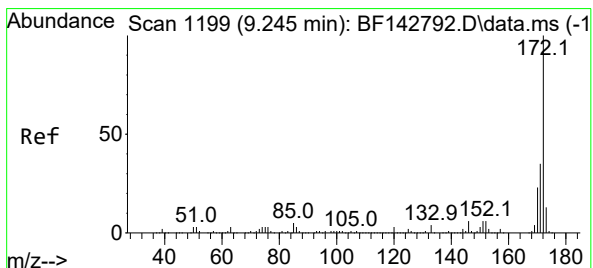
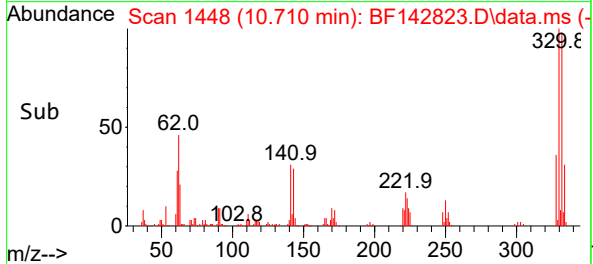
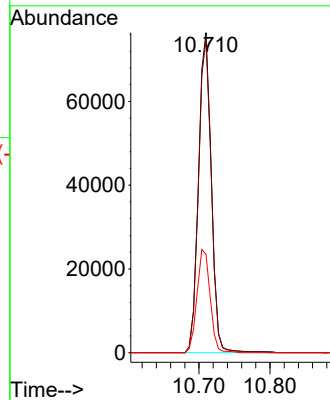
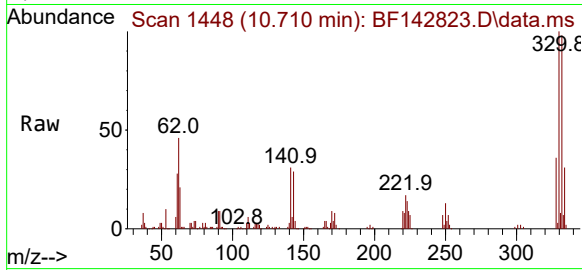
Tgt Ion:330 Resp: 95854

Ion Ratio Lower Upper

330 100

332 98.0 75.0 112.6

141 33.2 25.3 37.9



#45

2-Fluorobiphenyl

Concen: 35.477 ng

RT: 9.239 min Scan# 1198

Delta R.T. -0.006 min

Lab File: BF142823.D

Acq: 24 Jun 2025 17:01

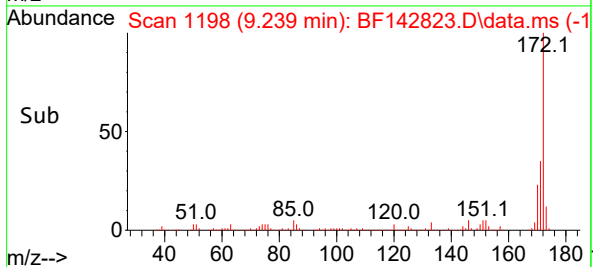
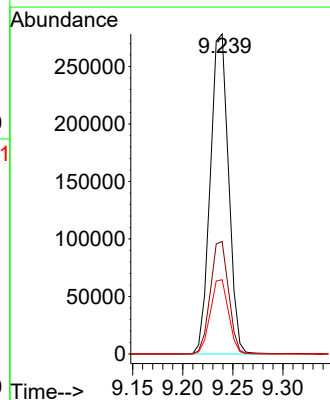
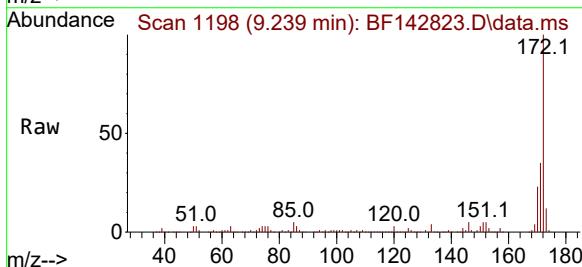
Tgt Ion:172 Resp: 354082

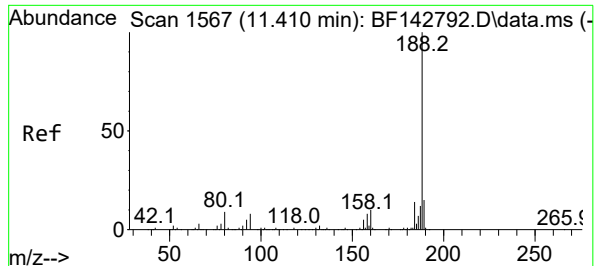
Ion Ratio Lower Upper

172 100

171 35.1 28.2 42.4

170 23.2 18.5 27.7





#64

Phenanthrene-d10

Concen: 20.000 ng

RT: 11.410 min Scan# 1

Delta R.T. 0.000 min

Lab File: BF142823.D

Acq: 24 Jun 2025 17:01

Instrument :

BNA_F

ClientSampleId :

PARK AVE -6

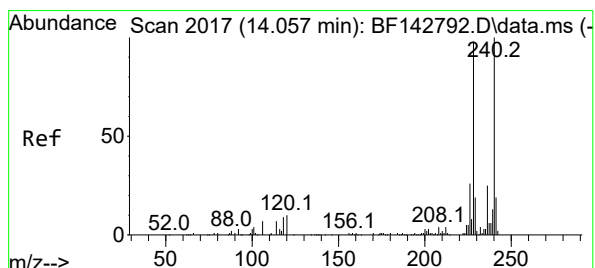
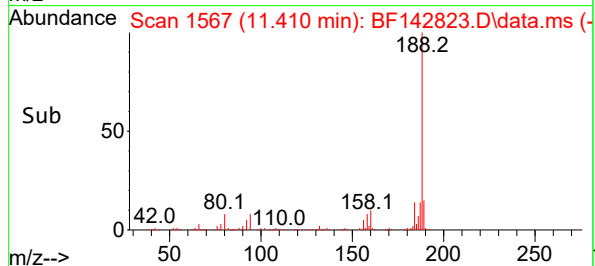
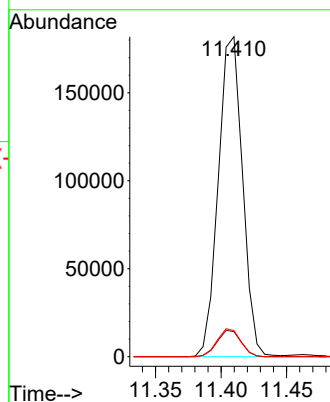
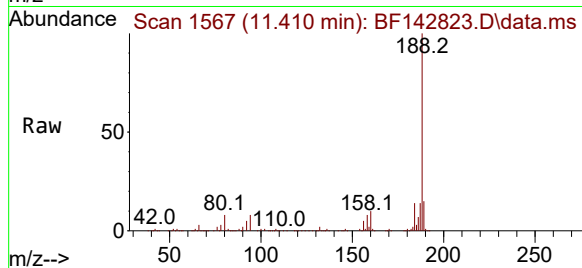
Tgt Ion:188 Resp: 233515

Ion Ratio Lower Upper

188 100

94 7.8 6.7 10.1

80 8.1 6.9 10.3



#76

Chrysene-d12

Concen: 20.000 ng

RT: 14.051 min Scan# 2016

Delta R.T. -0.006 min

Lab File: BF142823.D

Acq: 24 Jun 2025 17:01

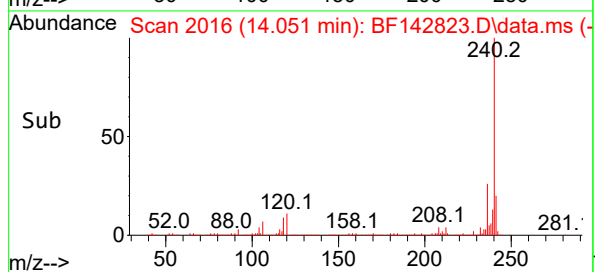
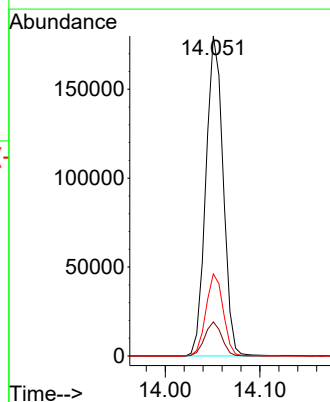
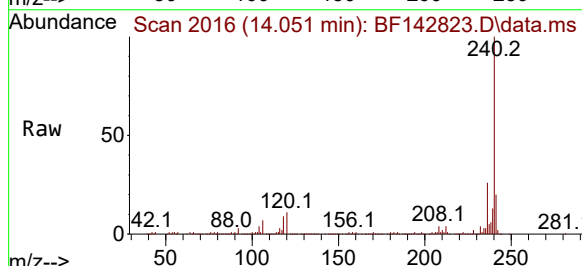
Tgt Ion:240 Resp: 228217

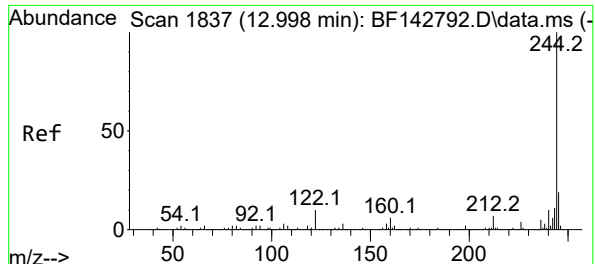
Ion Ratio Lower Upper

240 100

120 10.6 8.2 12.2

236 25.6 19.8 29.8





#79

Terphenyl-d14

Concen: 30.021 ng

RT: 12.992 min Scan# 1836

Delta R.T. -0.006 min

Lab File: BF142823.D

Acq: 24 Jun 2025 17:01

Instrument :

BNA_F

ClientSampleId :

PARK AVE -6

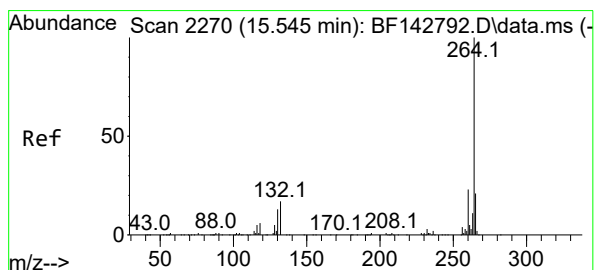
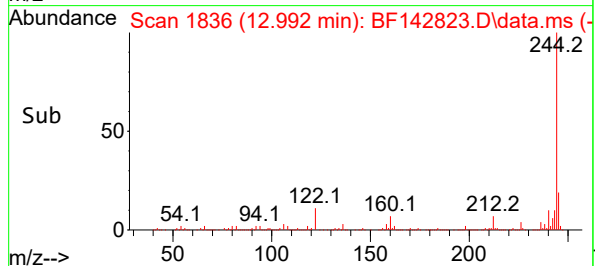
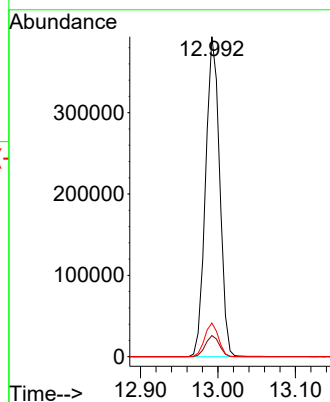
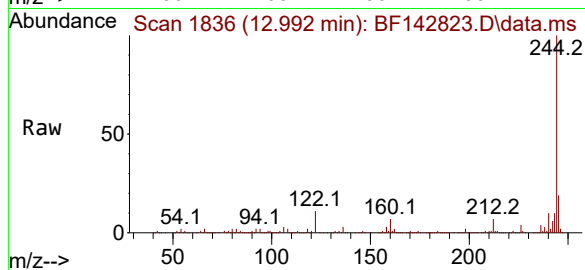
Tgt Ion:244 Resp: 495859

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: 15.545 min Scan# 2270

Delta R.T. 0.000 min

Lab File: BF142823.D

Acq: 24 Jun 2025 17:01

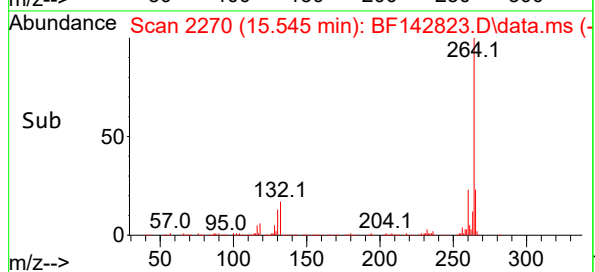
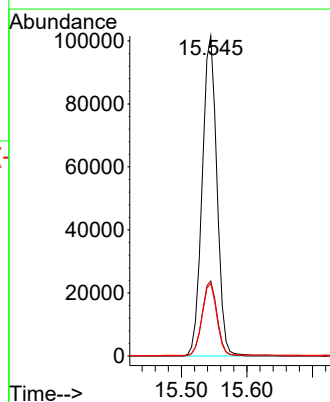
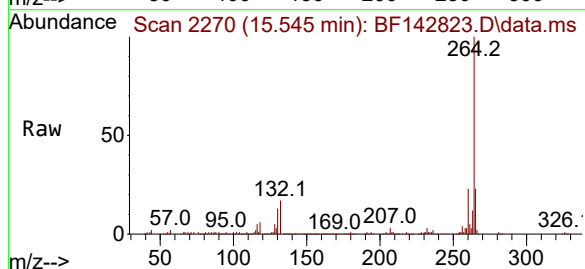
Tgt Ion:264 Resp: 158913

Ion Ratio Lower Upper

264 100

260 23.5 18.1 27.1

265 22.6 16.6 25.0



Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF062425\
 Data File : BF142823.D
 Acq On : 24 Jun 2025 17:01
 Operator : RC/JU
 Sample : Q2393-11
 Misc :
 ALS Vial : 14 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 PARK AVE -6

Integration Parameters: rteint.p

Integrator: RTE

Smoothing : ON

Filtering: 5

Sampling : 1

Min Area: 3 % of largest Peak

Start Thrs: 0.2

Max Peaks: 100

Stop Thrs : 0

Peak Location: TOP

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

Peak separation: 5

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

Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

Signal : TIC: BF142823.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	487	492	502	rVB	73168	102315	7.88%	1.093%
2	5.493	556	561	582	rVB	779277	1008921	77.74%	10.782%
3	6.504	727	733	750	rBV	796847	1012337	78.00%	10.819%
4	6.881	792	797	802	rBV	327165	412778	31.81%	4.411%
5	7.439	886	892	897	rBV	487038	603461	46.50%	6.449%
6	8.163	1010	1015	1020	rBV	415753	505222	38.93%	5.399%
7	9.233	1192	1197	1203	rBV	771277	986033	75.98%	10.538%
8	9.916	1308	1313	1319	rVB	418971	538523	41.49%	5.755%
9	10.633	1429	1435	1442	rBV	76501	97251	7.49%	1.039%
10	10.710	1442	1448	1458	rBV	555708	728692	56.15%	7.787%
11	11.410	1561	1567	1574	rBV	436130	568337	43.79%	6.074%
12	11.927	1649	1655	1664	rBV2	61519	99116	7.64%	1.059%
13	12.621	1769	1773	1778	rBV	19449	24242	1.87%	0.259%
14	12.716	1785	1789	1795	rBV3	9106	14635	1.13%	0.156%
15	12.851	1807	1812	1816	rBV	18483	27172	2.09%	0.290%
16	12.992	1831	1836	1841	rBV	1035209	1297818	100.00%	13.870%
17	13.563	1929	1933	1940	rBV2	11197	18115	1.40%	0.194%
18	13.892	1984	1989	2002	rBV	84244	147627	11.38%	1.578%
19	14.051	2011	2016	2026	rVB	488466	637978	49.16%	6.818%
20	14.210	2039	2043	2050	rBV	14713	22357	1.72%	0.239%
21	14.515	2091	2095	2101	rBV2	16969	31746	2.45%	0.339%
22	15.104	2192	2195	2202	rBV	11200	23523	1.81%	0.251%
23	15.545	2264	2270	2281	rVB	276101	449138	34.61%	4.800%

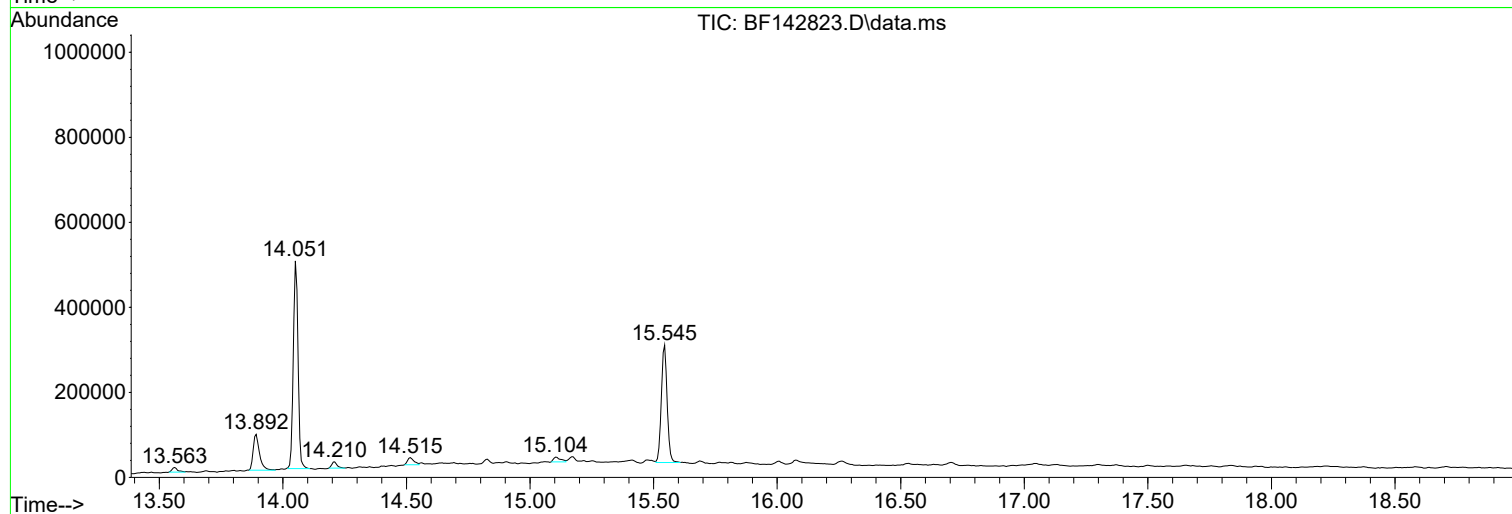
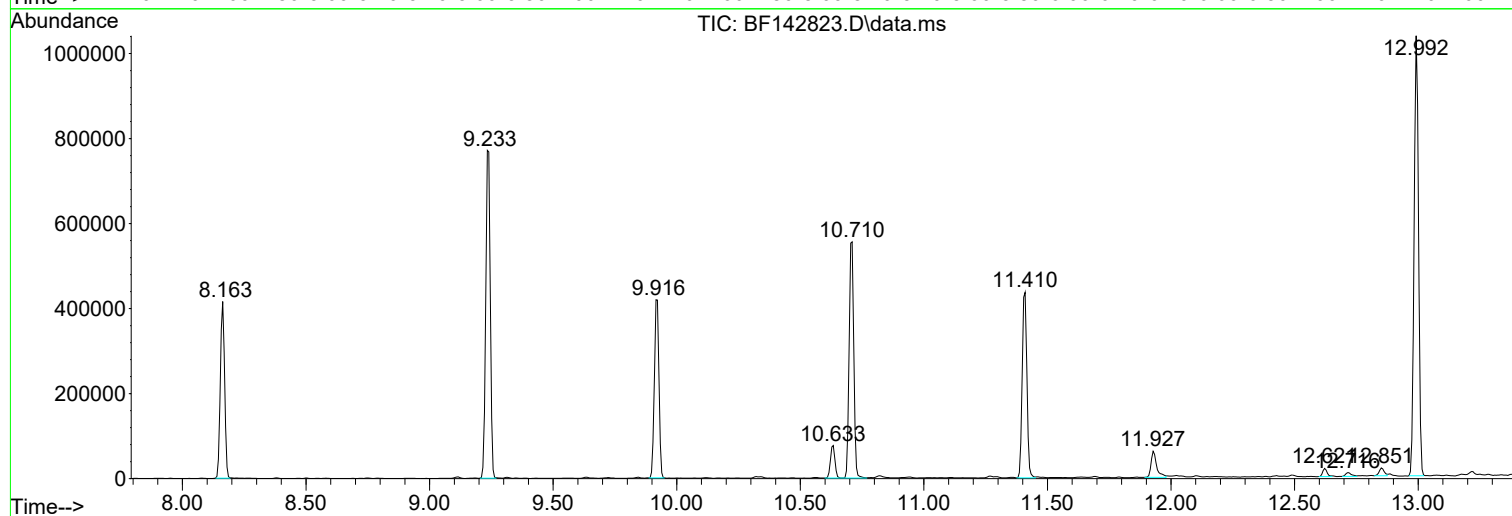
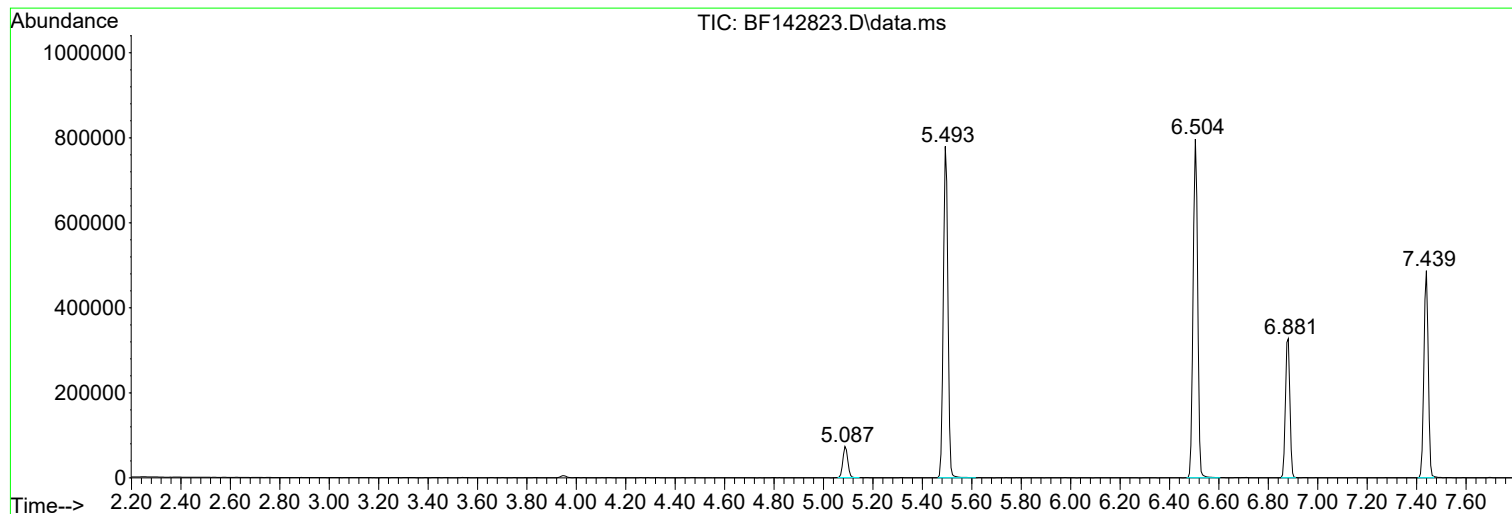
Sum of corrected areas: 9357337

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF062425\
Data File : BF142823.D
Acq On : 24 Jun 2025 17:01
Operator : RC/JU
Sample : Q2393-11
Misc :
ALS Vial : 14 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
PARK AVE -6

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\BF062425\
Data File : BF142823.D
Acq On : 24 Jun 2025 17:01
Operator : RC/JU
Sample : Q2393-11
Misc :
ALS Vial : 14 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
PARK AVE -6

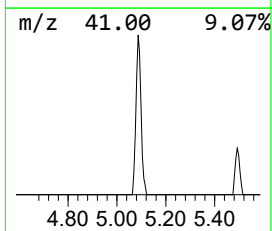
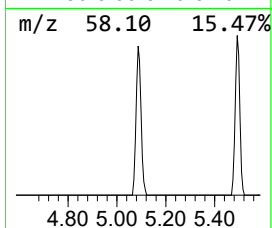
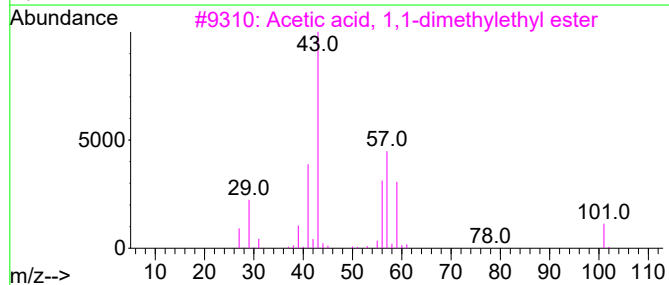
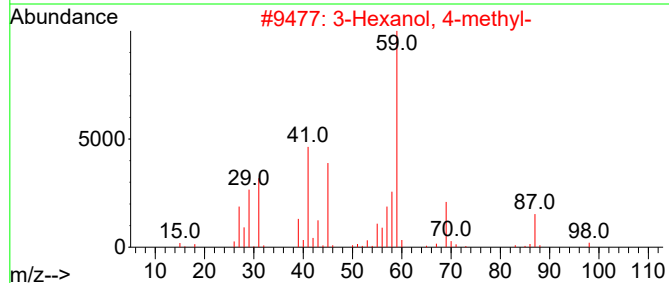
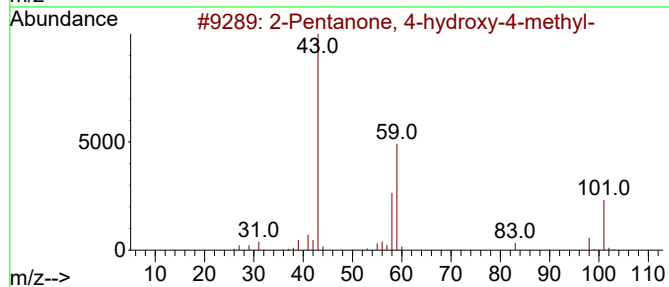
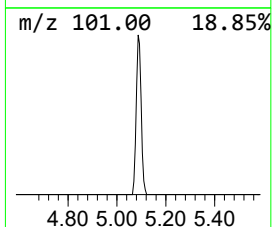
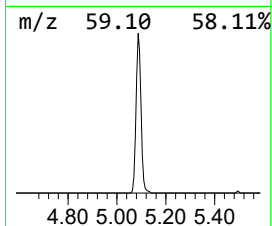
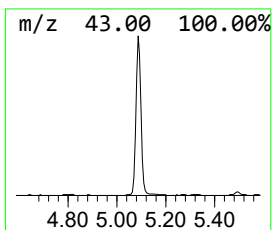
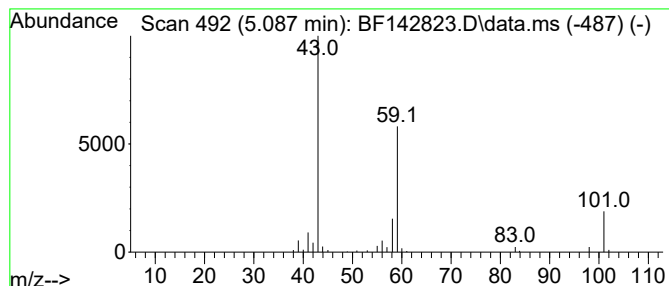
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

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

R.T.	EstConc	Area	Relative to ISTD	R.T.
5.087	4.96 ng	102315	1,4-Dichlorobenzene-d4	6.881

Hit#	of	5	Tentative ID	MW	MolForm	CAS#	Qual
1	2-Pentanone, 4-hydroxy-4-methyl-	116	C6H12O2	000123-42-2	64		
2	3-Hexanol, 4-methyl-	116	C7H16O	000615-29-2	33		
3	Acetic acid, 1,1-dimethylethyl e...	116	C6H12O2	000540-88-5	28		
4	Acetic acid, cyano-, 1,1-dimethy...	141	C7H11NO2	001116-98-9	25		
5	2,3-Butanedione, monooxime	101	C4H7NO2	000057-71-6	16		



Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF062425\
Data File : BF142823.D
Acq On : 24 Jun 2025 17:01
Operator : RC/JU
Sample : Q2393-11
Misc :
ALS Vial : 14 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
PARK AVE -6

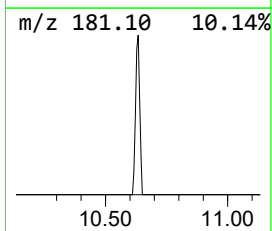
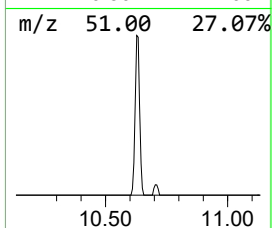
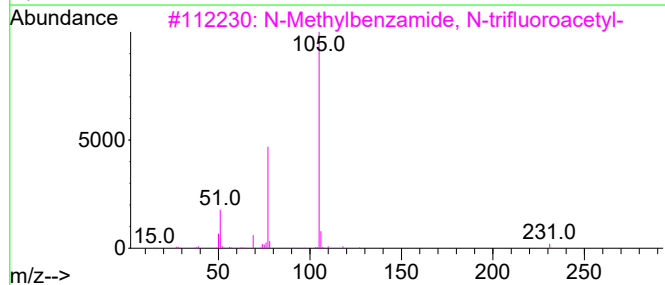
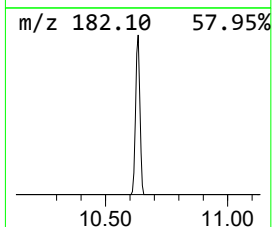
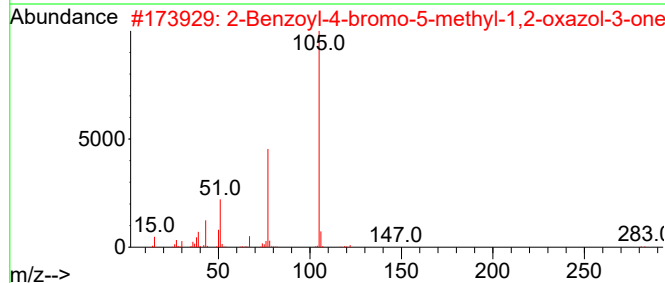
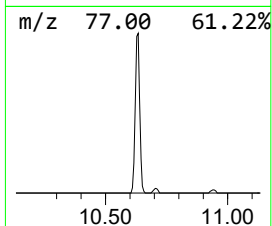
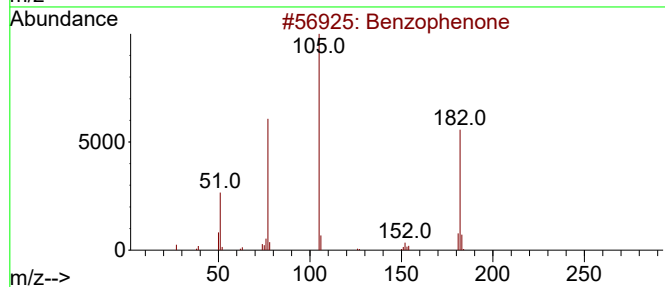
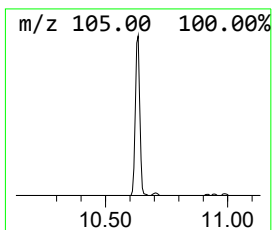
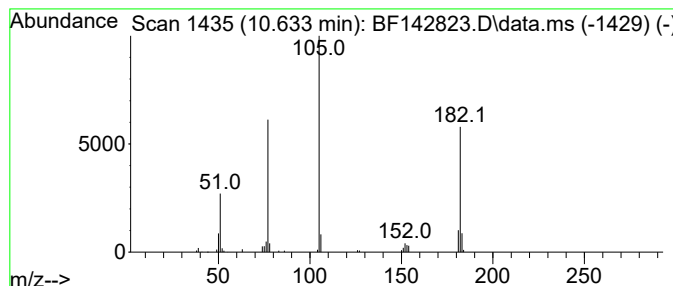
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 2 Benzophenone Concentration Rank 3

R.T.	EstConc	Area	Relative to ISTD	R.T.
10.633	3.61 ng	97251	Acenaphthene-d10	9.922

Hit#	of	5	Tentative ID	MW	MolForm	CAS#	Qual
1			Benzophenone	182	C13H10O	000119-61-9	97
2			2-Benzoyl-4-bromo-5-methyl-1,2-o...	281	C11H8BrNO3	1000444-92-3	47
3			N-Methylbenzamide, N-trifluoroac...	231	C10H8F3NO2	1000446-91-5	47
4			Benzenebutanoic acid, .gamma.-oxo-	178	C10H10O3	002051-95-8	47
5			N-Methoxy-N-methylbenzamide	165	C9H11NO2	006919-61-5	47



Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF062425\
Data File : BF142823.D
Acq On : 24 Jun 2025 17:01
Operator : RC/JU
Sample : Q2393-11
Misc :
ALS Vial : 14 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
PARK AVE -6

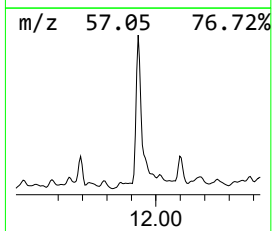
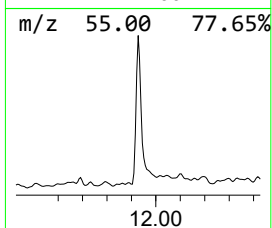
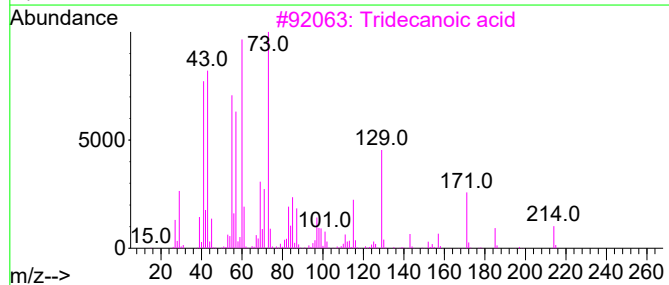
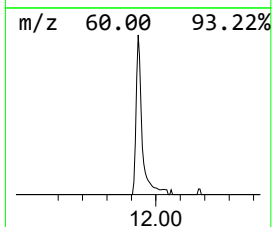
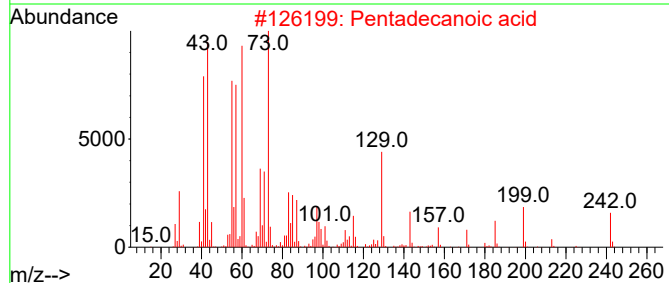
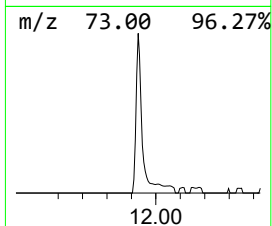
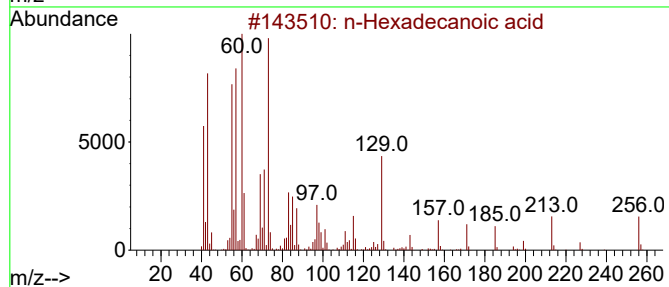
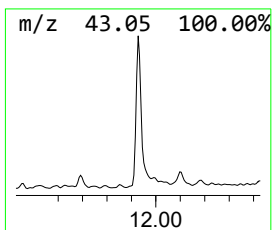
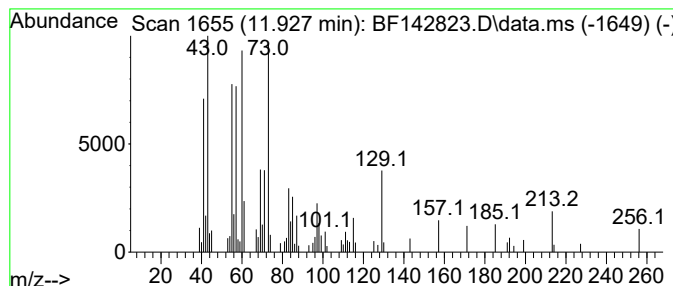
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF061925.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 3 n-Hexadecanoic acid Concentration Rank 4

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.927	3.49 ng	99116	Phenanthrene-d10	11.410

Hit#	of	5	Tentative ID	MW	MolForm	CAS#	Qual
1			n-Hexadecanoic acid	256	C16H32O2	000057-10-3	99
2			Pentadecanoic acid	242	C15H30O2	001002-84-2	81
3			Tridecanoic acid	214	C13H26O2	000638-53-9	76
4			Tetradecanoic acid	228	C14H28O2	000544-63-8	72
5			Undecanoic acid	186	C11H22O2	000112-37-8	53



Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF062425\
Data File : BF142823.D
Acq On : 24 Jun 2025 17:01
Operator : RC/JU
Sample : Q2393-11
Misc :
ALS Vial : 14 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
PARK AVE -6

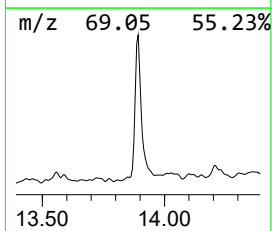
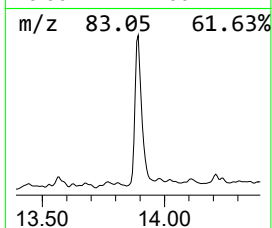
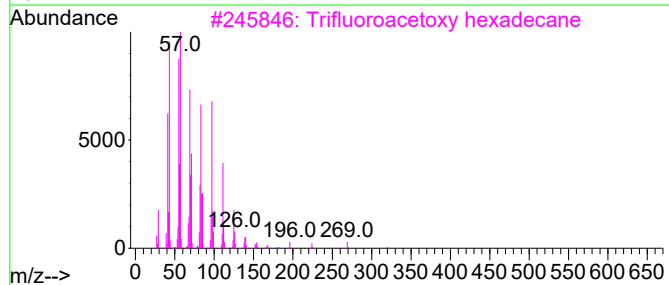
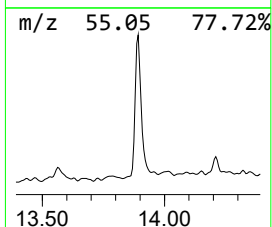
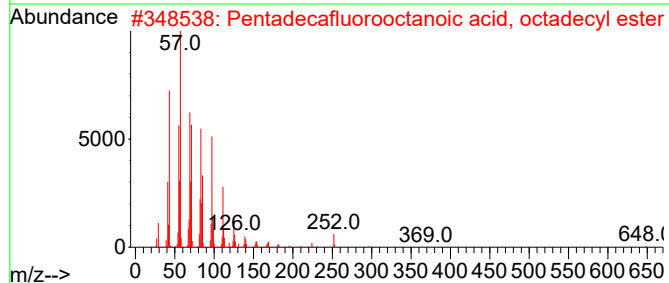
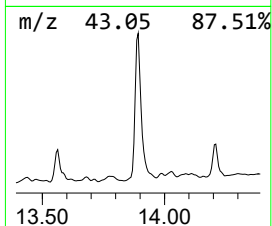
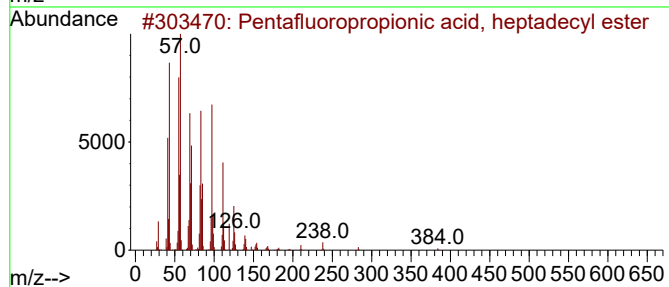
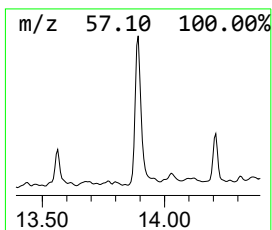
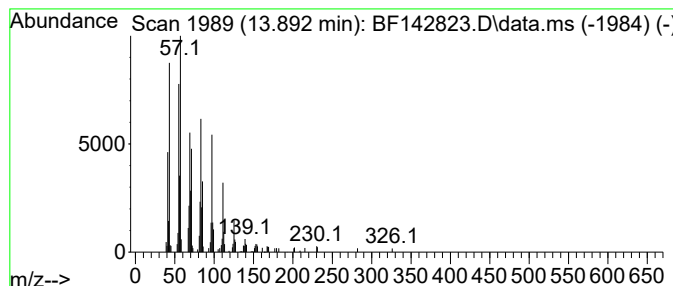
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF061925.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 4 Pentafluoropropionic acid, ... Concentration Rank 2

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.892	4.63 ng	147627	Chrysene-d12	14.051

Hit#	of	5	Tentative ID	MW	MolForm	CAS#	Qual
1			Pentafluoropropionic acid, hepta...	402	C20H35F5O2	959218-78-1	95
2			Pentadecafluorooctanoic acid, oc...	666	C26H37F15O2	1000406-04-8	95
3			Trifluoroacetoxy hexadecane	338	C18H33F3O2	006222-03-3	95
4			Heptadecyl trifluoroacetate	352	C19H35F3O2	1010351-87-0	95
5			Octadecyl trifluoroacetate	366	C20H37F3O2	079392-43-1	94



Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF062425\
Data File : BF142823.D
Acq On : 24 Jun 2025 17:01
Operator : RC/JU
Sample : Q2393-11
Misc :
ALS Vial : 14 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
PARK AVE -6

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	5.0	ng	102315	1	6.881	412778	20.0
Benzophenone	10.633	3.6	ng	97251	3	9.922	538523	20.0
n-Hexadecanoic ...	11.927	3.5	ng	99116	4	11.410	568337	20.0
Pentafluoroprop...	13.892	4.6	ng	147627	5	14.051	637978	20.0



CALIBRATION SUMMARY

6C

SEMIVOLATILE ORGANICS INITIAL CALIBRATION DATA

Lab Name: CHEMTECH Contract: UNIO02
 Lab Code: CHEM Case No.: Q2393 SAS No.: Q2393 SDG No.: Q2393
 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: UNIO02
 Lab Code: CHEM Case No.: Q2393 SAS No.: Q2393 SDG No.: Q2393
 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: UNIO02

Lab Code: CHEM Case No.: Q2393 SAS No.: Q2393 SDG No.: Q2393

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

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)

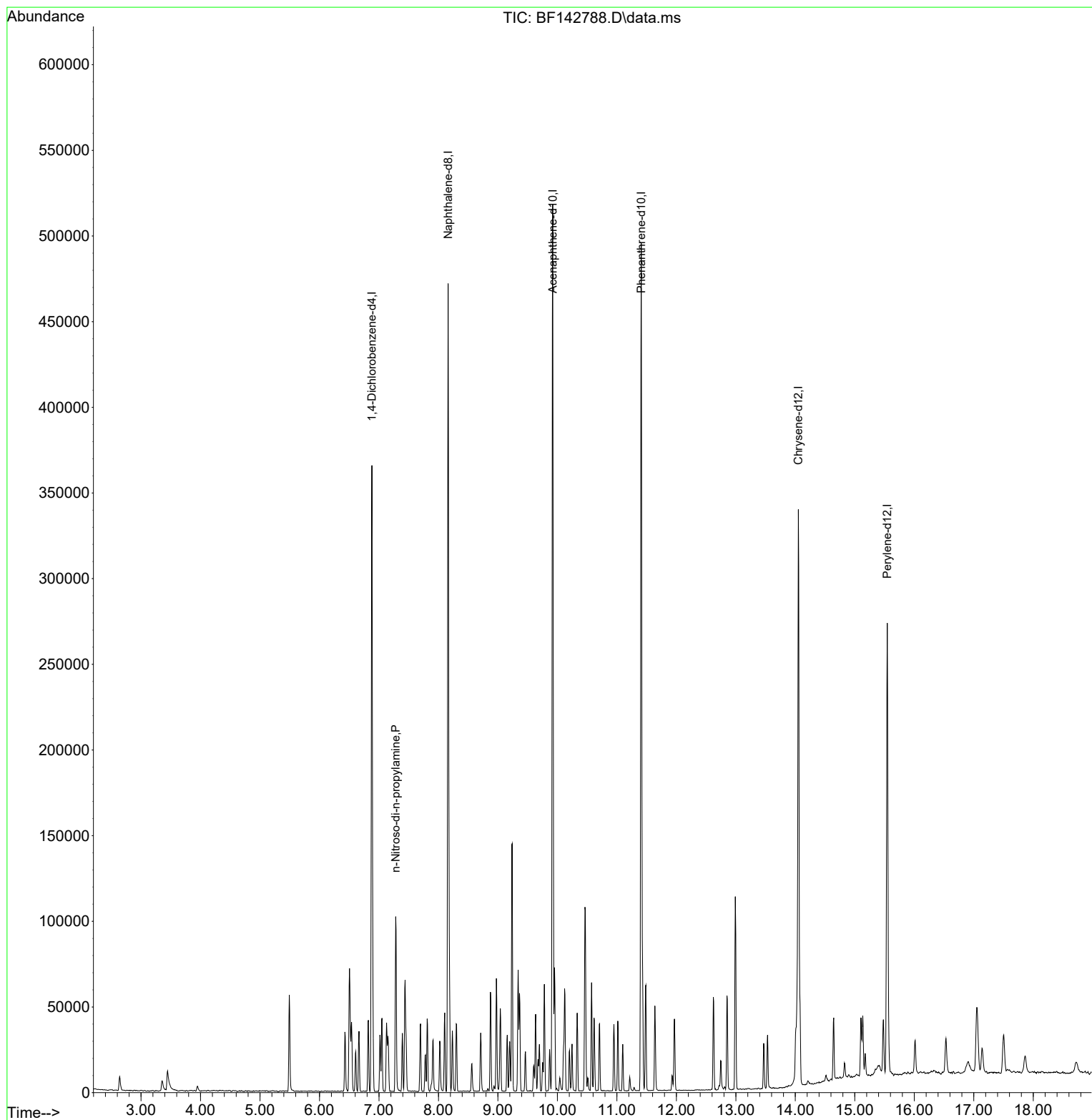
Internal Standards						
1) 1,4-Dichlorobenzene-d4	6.881	152	77977	20.000	ng	0.00
21) Naphthalene-d8	8.163	136	295295	20.000	ng	0.00
39) Acenaphthene-d10	9.922	164	153580	20.000	ng	0.00
64) Phenanthrene-d10	11.410	188	258429	20.000	ng	0.00
76) Chrysene-d12	14.051	240	149767	20.000	ng	0.00
86) Perylene-d12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

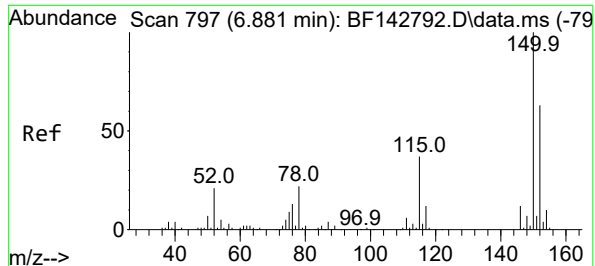
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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

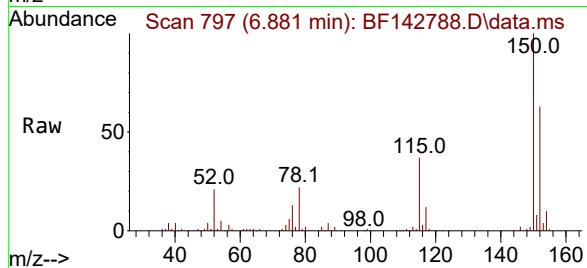
Quant Time: Jun 20 04:37:10 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF061925.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Fri Jun 20 04:36:38 2025
Response via : Initial Calibration



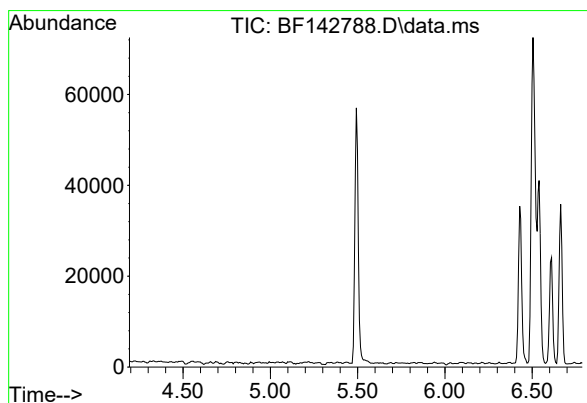
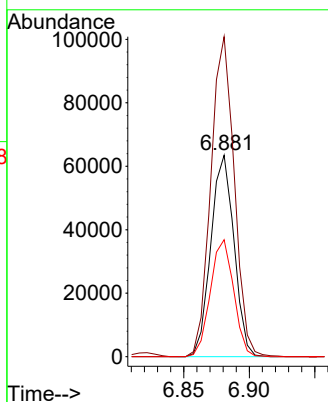
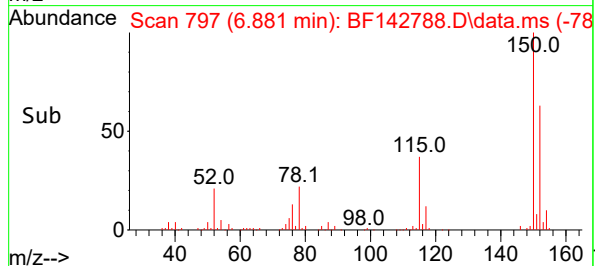


#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.881 min Scan# 79
Delta R.T. -0.000 min
Lab File: BF142788.D
Acq: 19 Jun 2025 17:07

Instrument :
BNA_F
ClientSampleId :
SSTDICC2.5



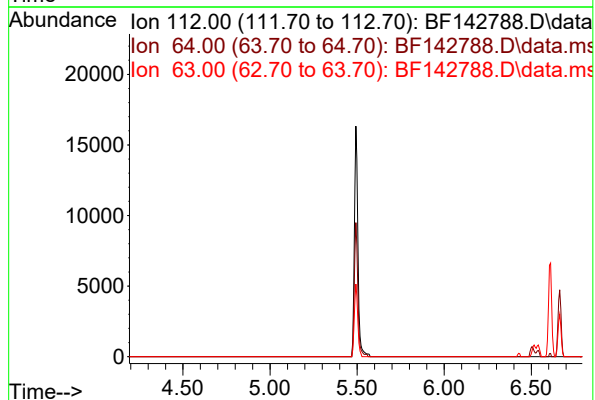
Tgt Ion:152 Resp: 77977
Ion Ratio Lower Upper
152 100
150 158.8 127.2 190.8
115 58.1 46.6 69.8

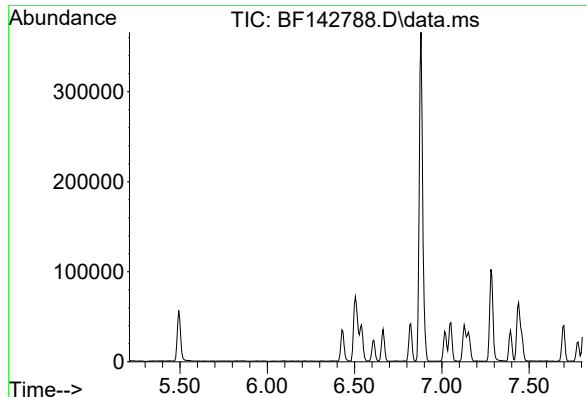


#5
2-Fluorophenol
Concen: 0.000 ng
Expected RT: 5.49 min

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

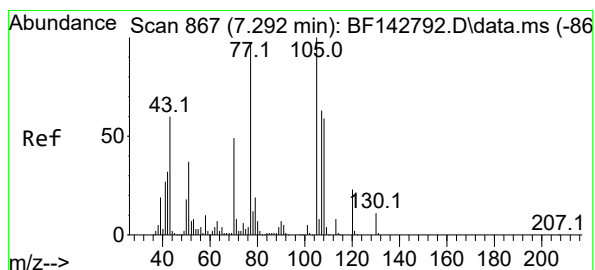
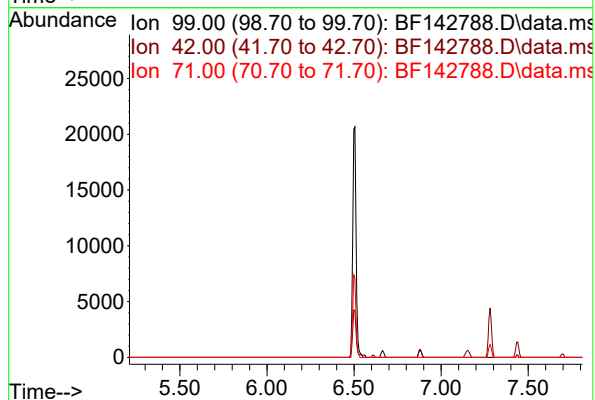
Tgt Ion: 99

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

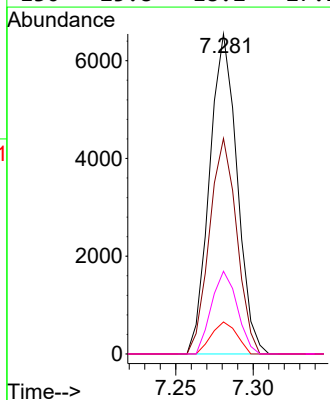
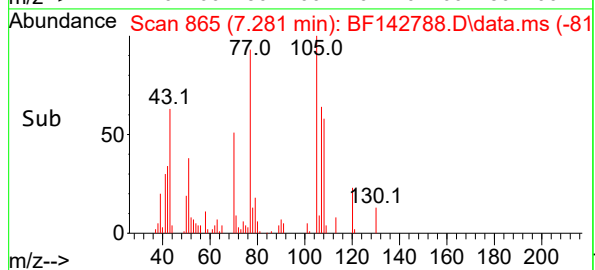
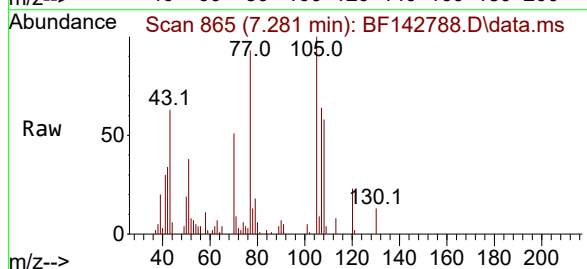
Ion Ratio Lower Upper

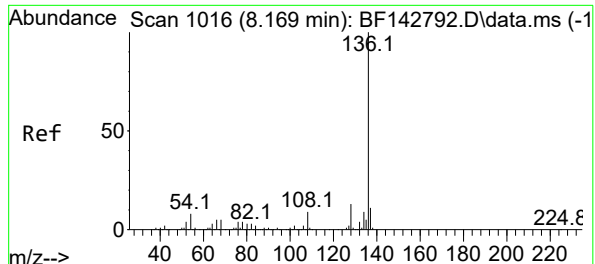
70 100

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

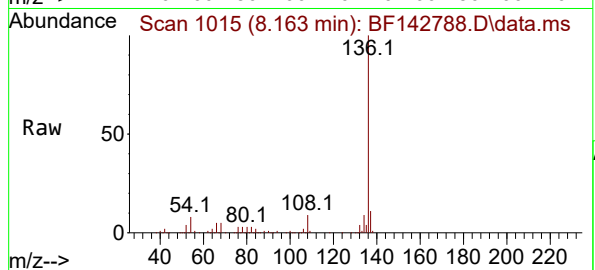
Acq: 19 Jun 2025 17:07

Instrument :

BNA_F

ClientSampleId :

SSTDICC2.5



Tgt Ion:136 Resp: 295295

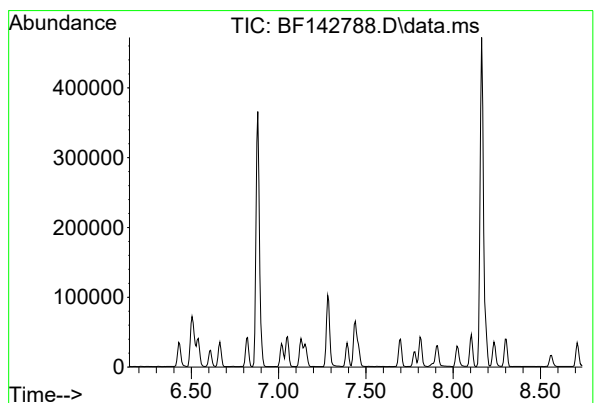
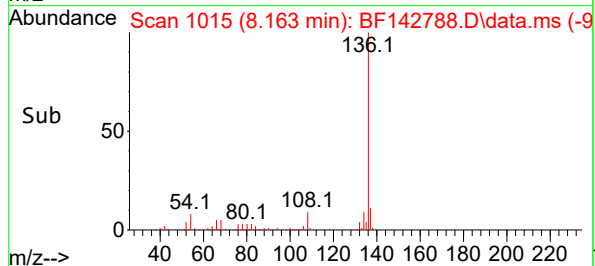
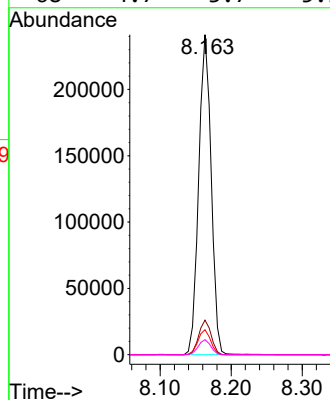
Ion Ratio Lower Upper

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

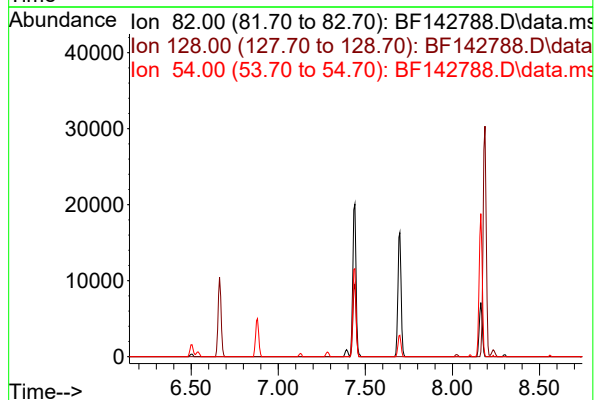
Tgt Ion: 82

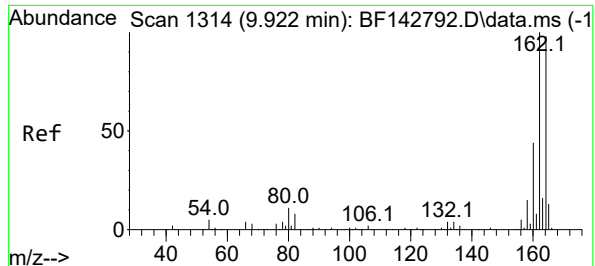
Sig Exp Ratio

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

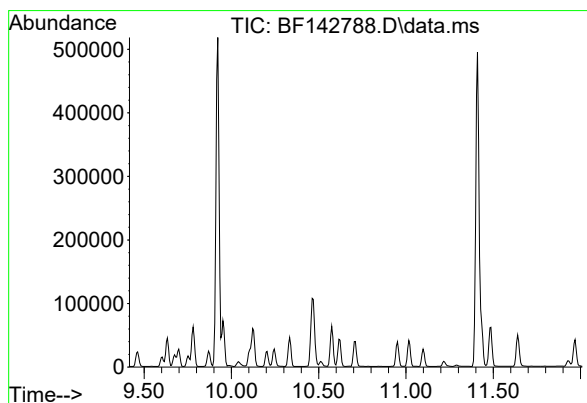
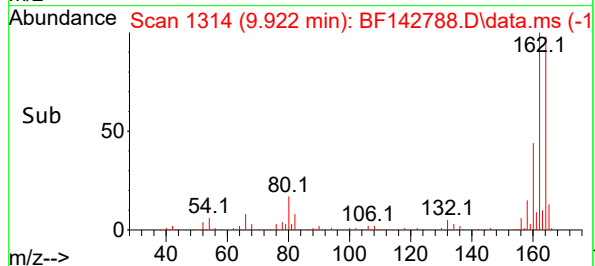
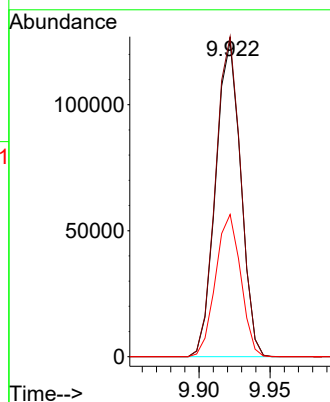
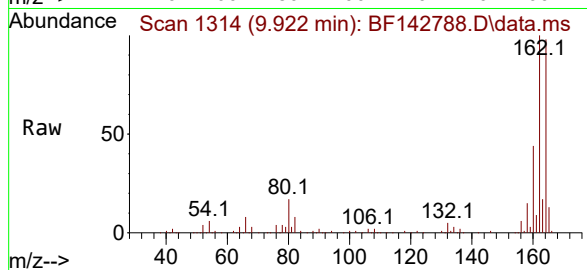
Tgt Ion:164 Resp: 153580

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

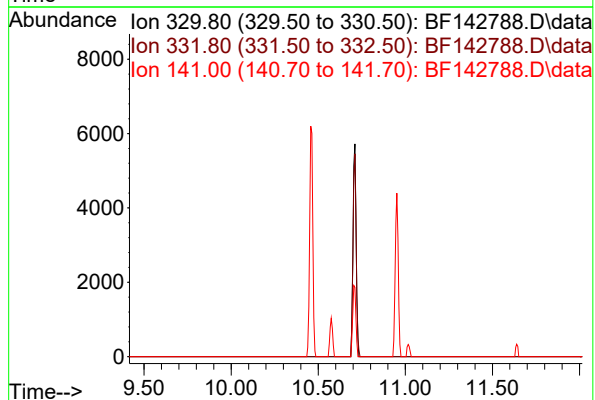
Tgt Ion: 330

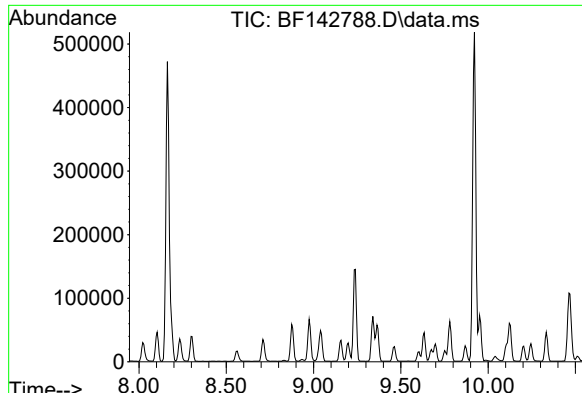
Sig Exp Ratio

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

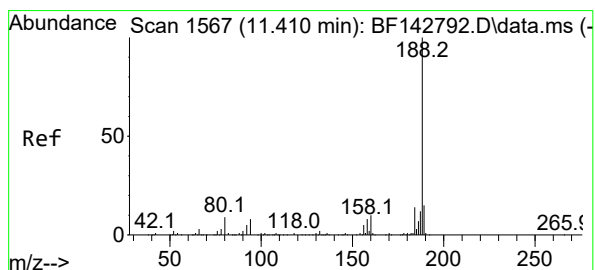
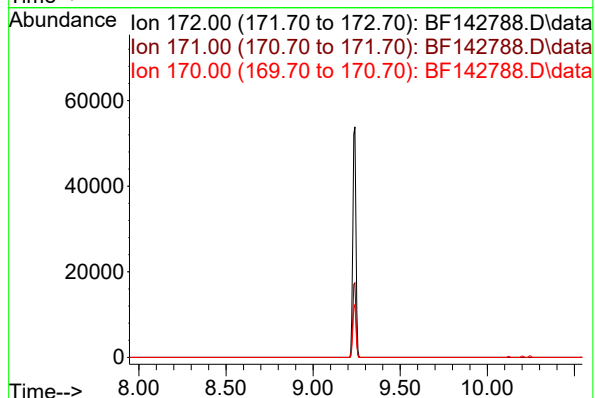
Tgt Ion: 172

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

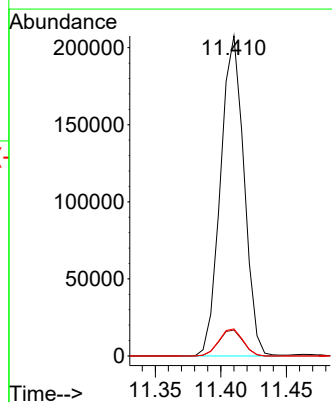
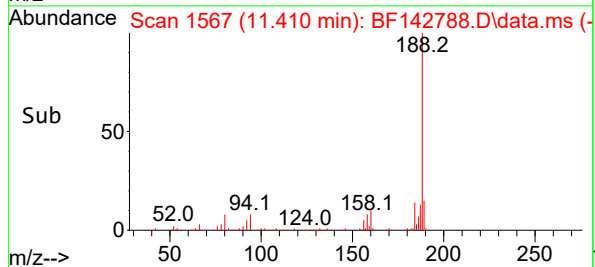
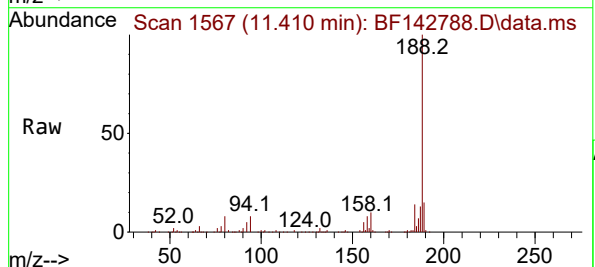
Tgt Ion: 188 Resp: 258429

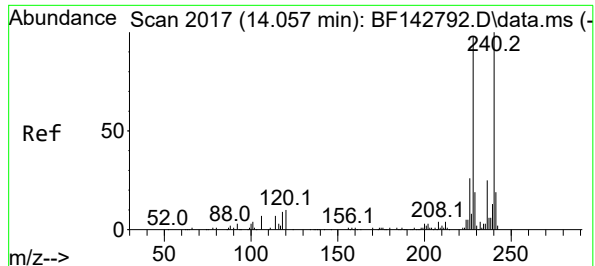
Ion Ratio Lower Upper

188 100

94 8.1 6.7 10.1

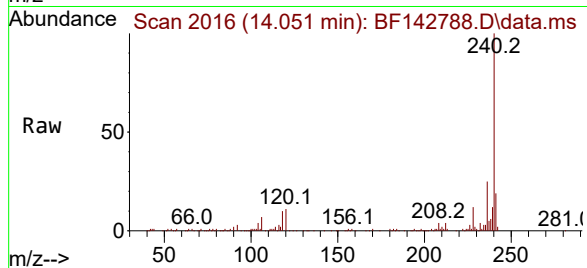
80 8.5 6.9 10.3



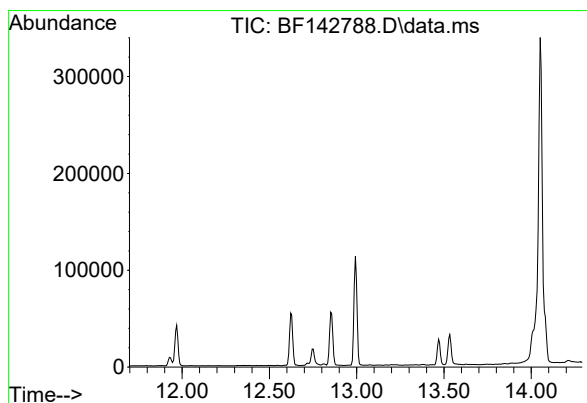
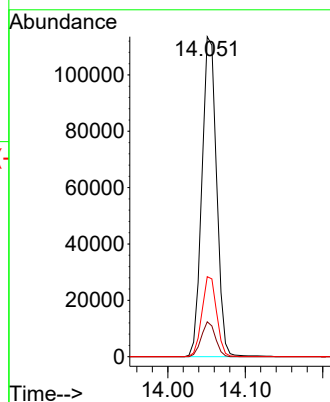
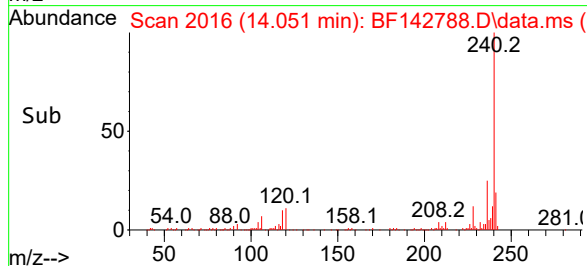


#76
Chrysene-d12
Concen: 20.000 ng
RT: 14.051 min Scan# 20
Delta R.T. -0.006 min
Lab File: BF142788.D
Acq: 19 Jun 2025 17:07

Instrument :
BNA_F
ClientSampleId :
SSTDICC2.5



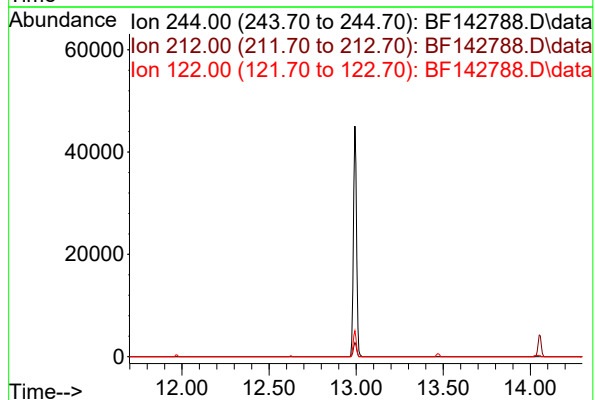
Tgt Ion:240 Resp: 149767
Ion Ratio Lower Upper
240 100
120 10.9 8.2 12.2
236 25.0 19.8 29.8



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

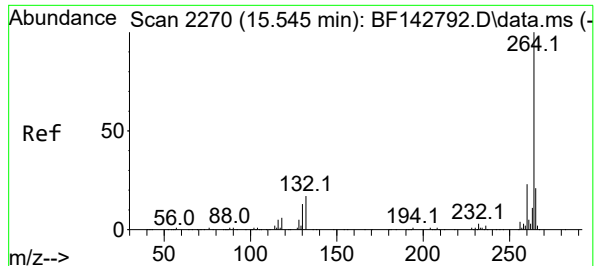
Lab File: BF142788.D
Acq: 19 Jun 2025 17:07

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



Ion 212.00 (211.70 to 212.70): BF142788.D\data

Ion 122.00 (121.70 to 122.70): BF142788.D\data



#86

Perylene-d12

Concen: 20.000 ng

RT: 15.545 min Scan# 21

Delta R.T. 0.000 min

Lab File: BF142788.D

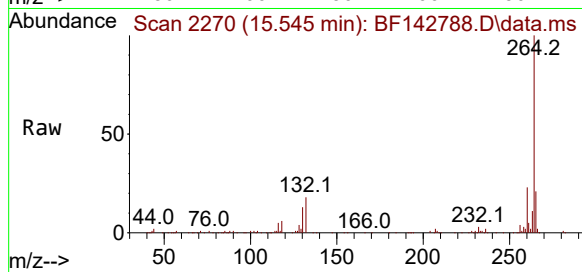
Acq: 19 Jun 2025 17:07

Instrument :

BNA_F

ClientSampleId :

SSTDICC2.5



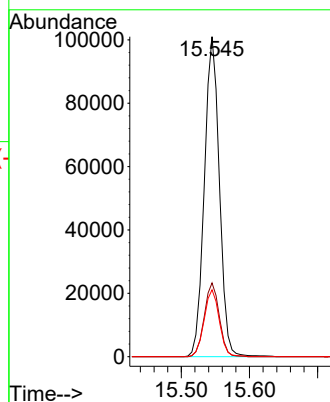
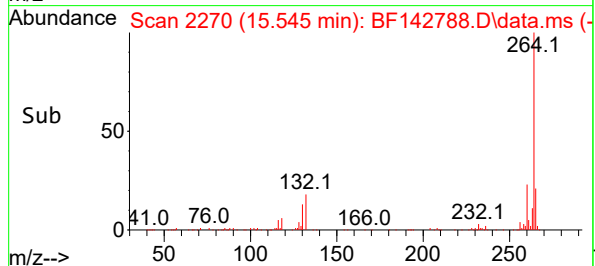
Tgt Ion:264 Resp: 154736

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

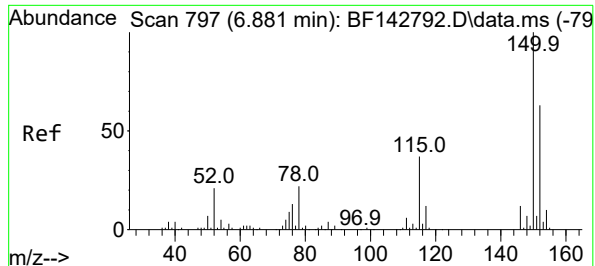
Quant Time: Jun 20 04:37:53 2025
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF061925.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Fri Jun 20 04:36:38 2025
 Response via : Initial Calibration

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

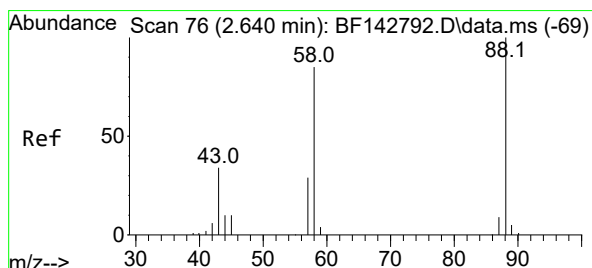
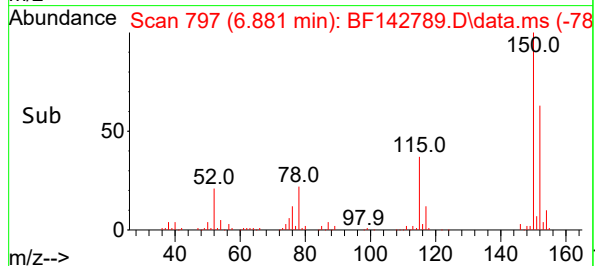
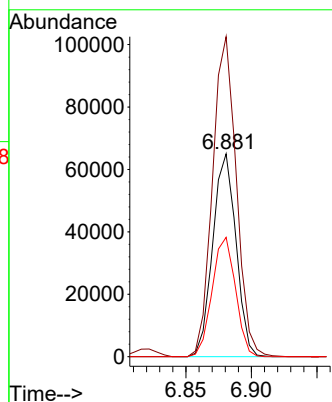
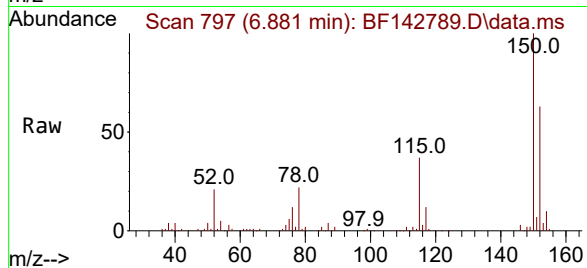
[illegible]



#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

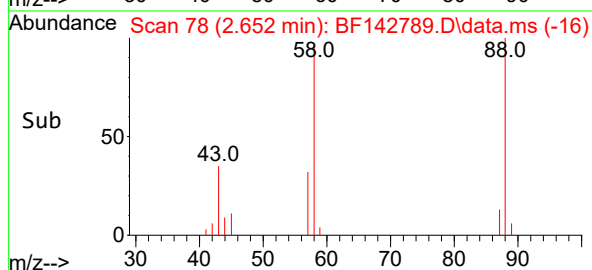
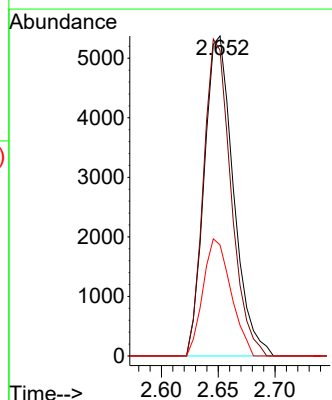
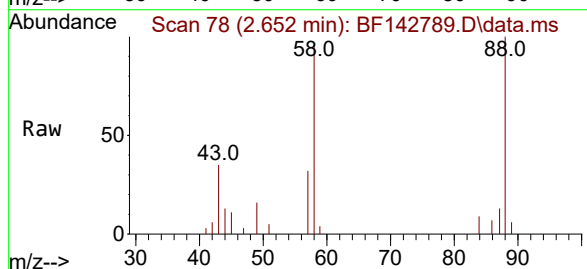
Instrument :
BNA_F
ClientSampleId :
SSTDICC005

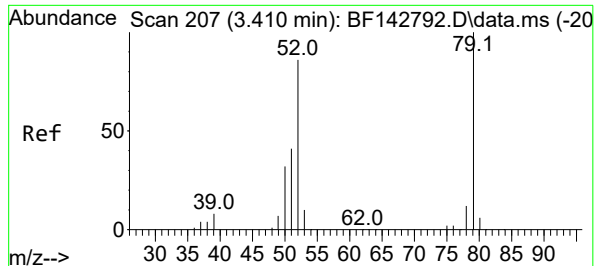
Tgt Ion:152 Resp: 80144
Ion Ratio Lower Upper
152 100
150 157.7 127.2 190.8
115 58.8 46.6 69.8



#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

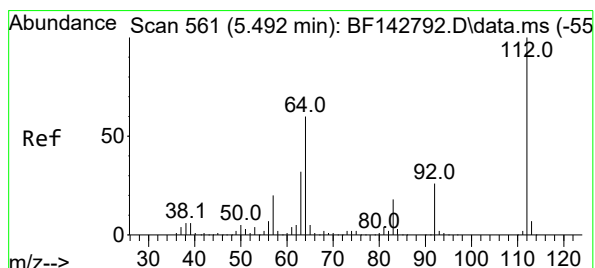
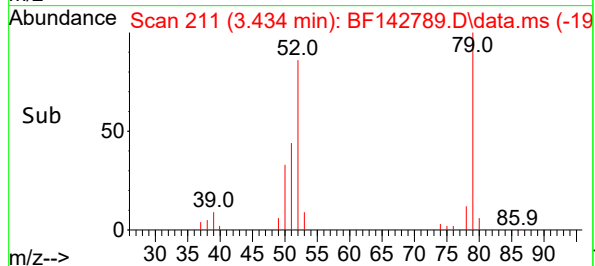
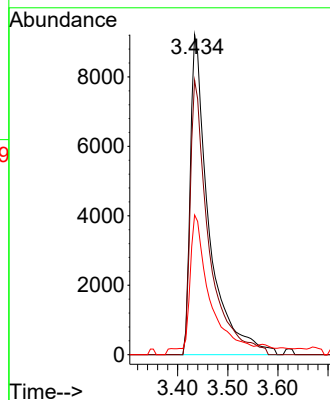
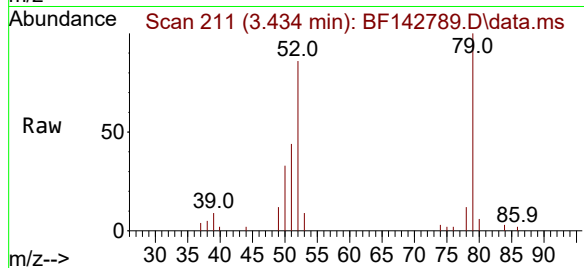
Tgt Ion: 79 Resp: 23835

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

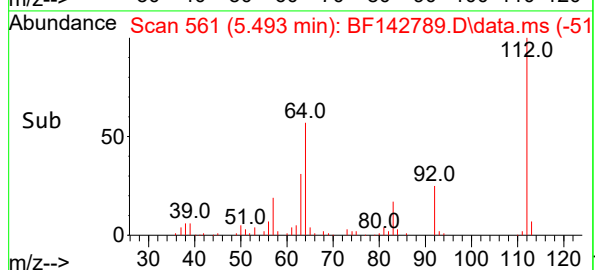
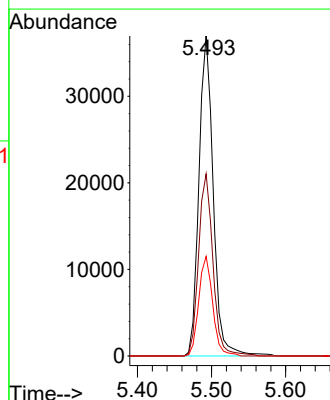
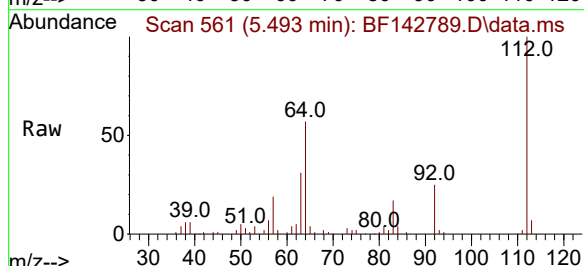
Tgt Ion: 112 Resp: 49599

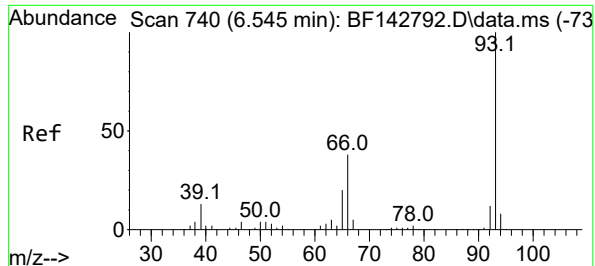
Ion Ratio Lower Upper

112 100

64 56.9 48.2 72.2

63 31.1 25.7 38.5

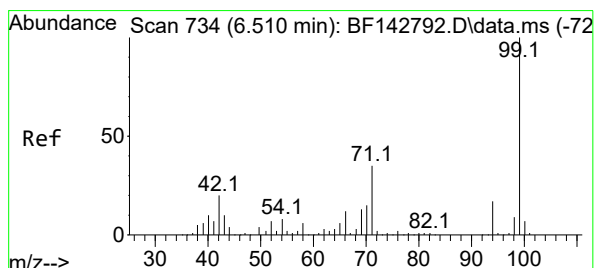
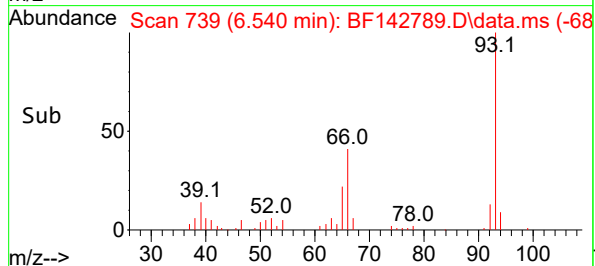
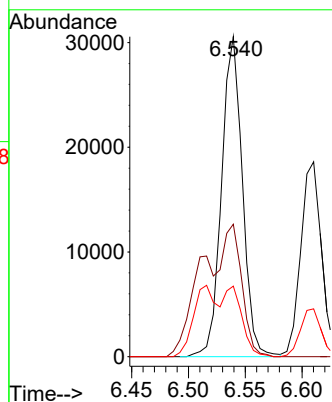
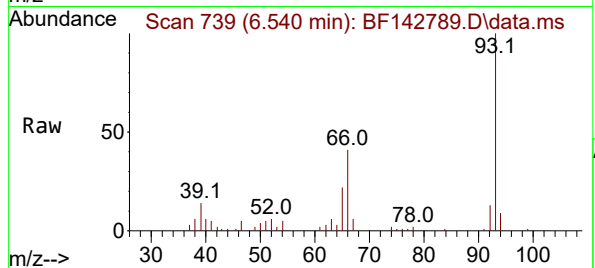




#6
Aniline
Concen: 5.286 ng
RT: 6.540 min Scan# 71
Delta R.T. -0.006 min
Lab File: BF142789.D
Acq: 19 Jun 2025 17:38

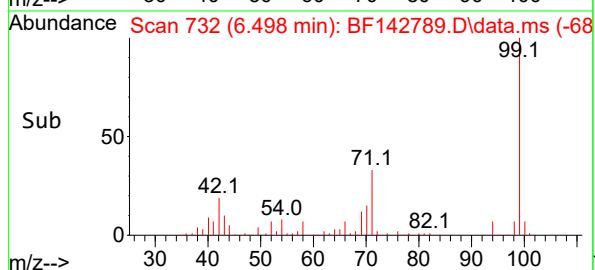
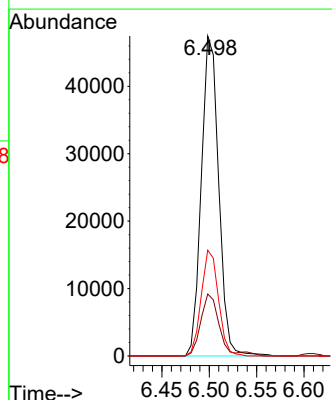
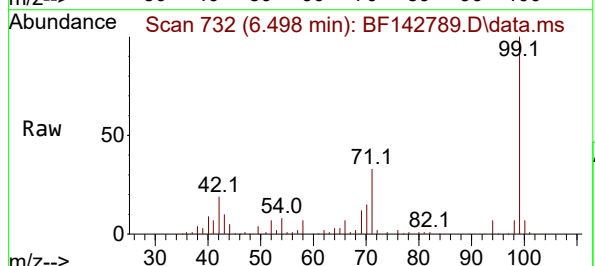
Instrument :
BNA_F
ClientSampleId :
SSTDICC005

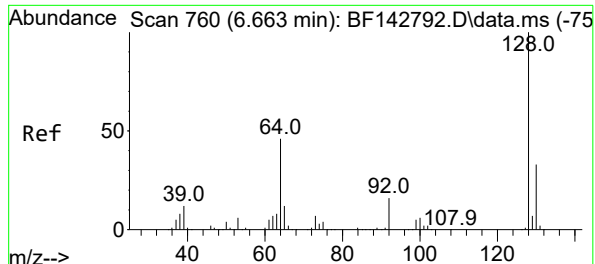
Tgt Ion: 93 Resp: 39088
Ion Ratio Lower Upper
93 100
66 41.4 31.8 47.6
65 22.0 16.2 24.2



#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

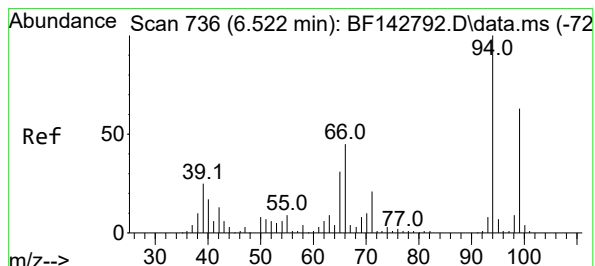
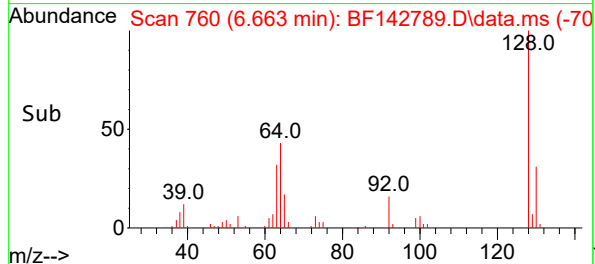
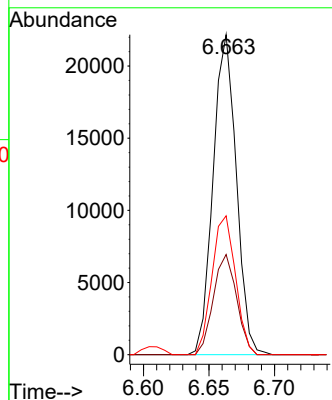
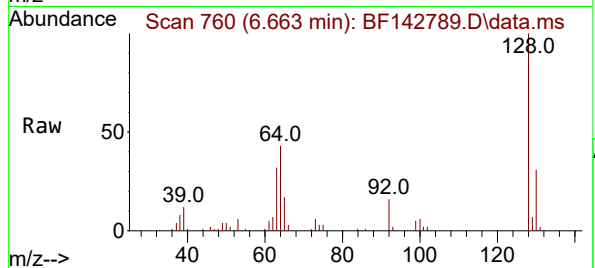




#8
2-Chlorophenol
Concen: 5.332 ng
RT: 6.663 min Scan# 760
Delta R.T. 0.000 min
Lab File: BF142789.D
Acq: 19 Jun 2025 17:38

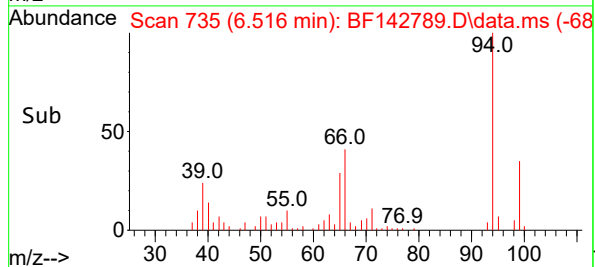
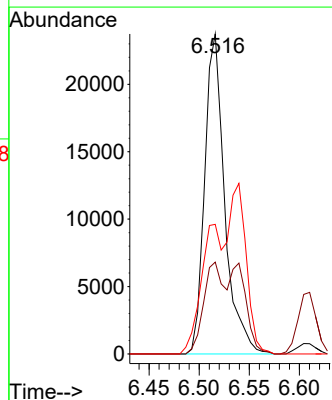
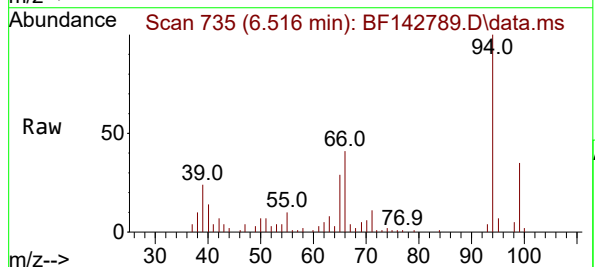
Instrument :
BNA_F
ClientSampleId :
SSTDICC005

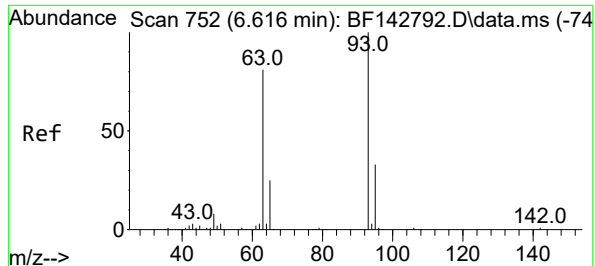
Tgt Ion:128 Resp: 27282
Ion Ratio Lower Upper
128 100
130 31.3 12.7 52.7
64 43.4 26.5 66.5



#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

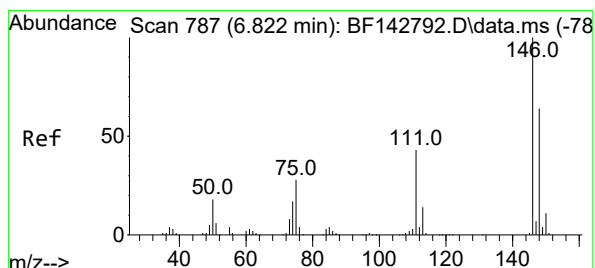
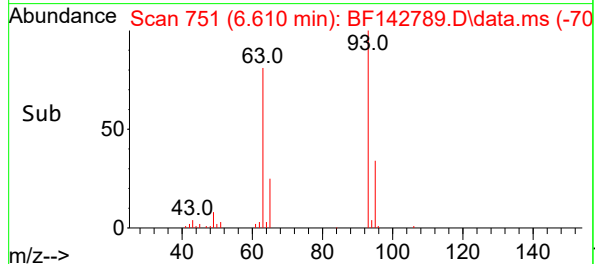
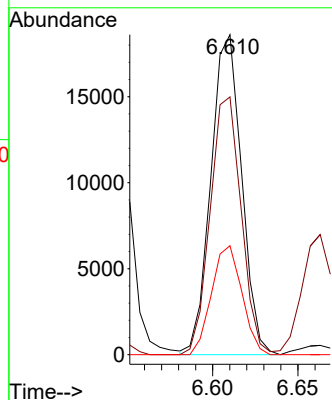
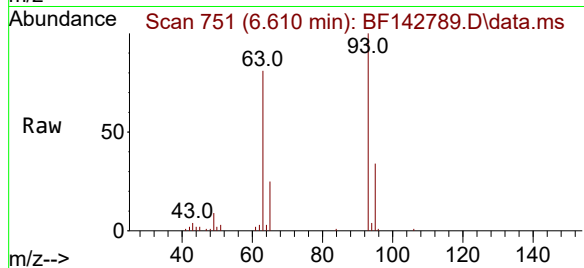




#11
bis(2-Chloroethyl)ether
Concen: 5.122 ng
RT: 6.610 min Scan# 751
Delta R.T. -0.006 min
Lab File: BF142789.D
Acq: 19 Jun 2025 17:38

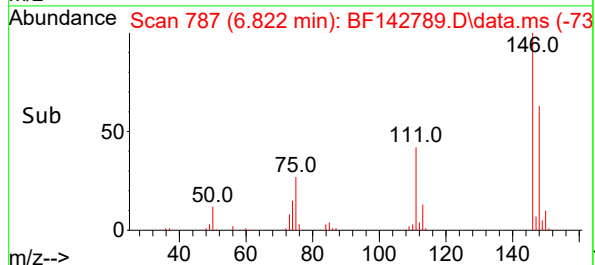
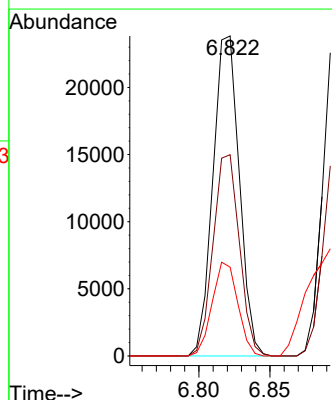
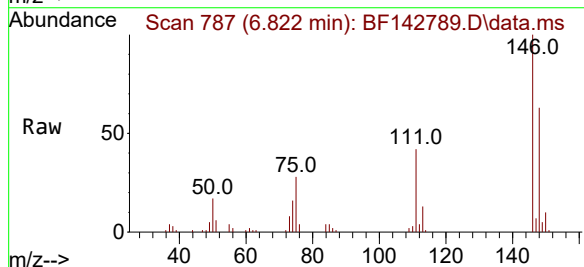
Instrument :
BNA_F
ClientSampleId :
SSTDICC005

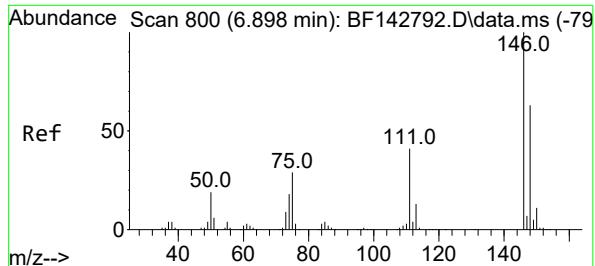
Tgt Ion: 93 Resp: 23378
Ion Ratio Lower Upper
93 100
63 80.6 60.3 100.3
95 34.1 12.5 52.5



#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

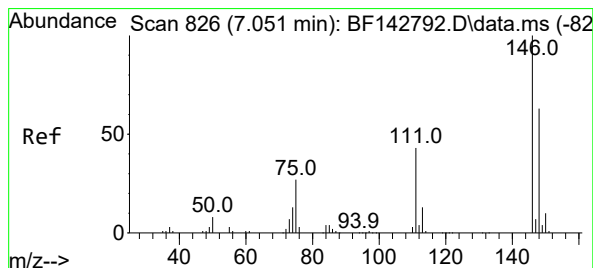
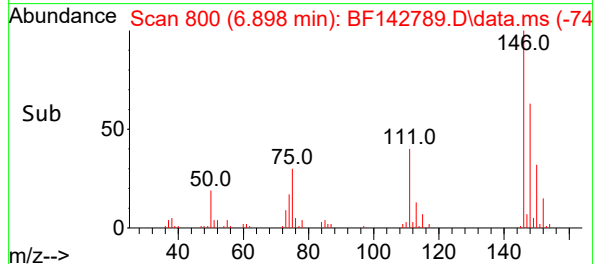
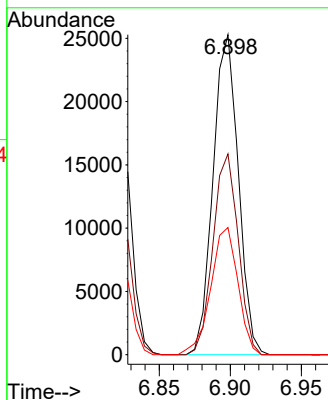
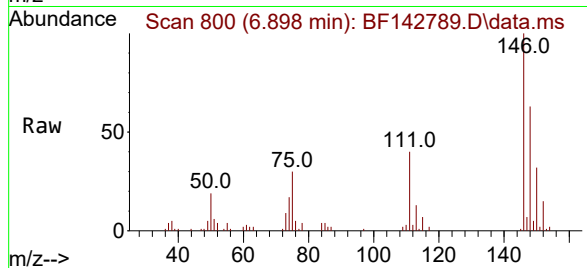
Tgt Ion:146 Resp: 31311

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

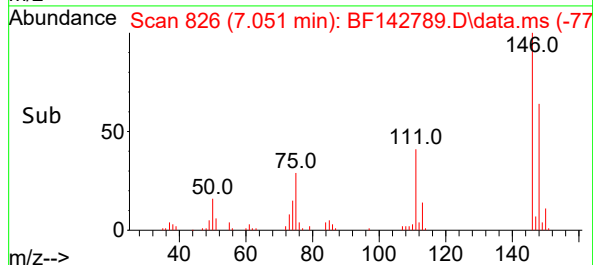
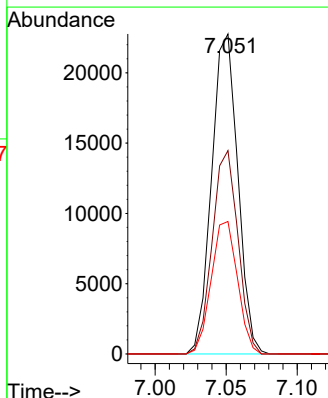
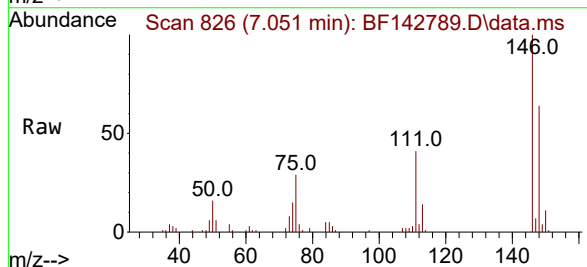
Tgt Ion:146 Resp: 29215

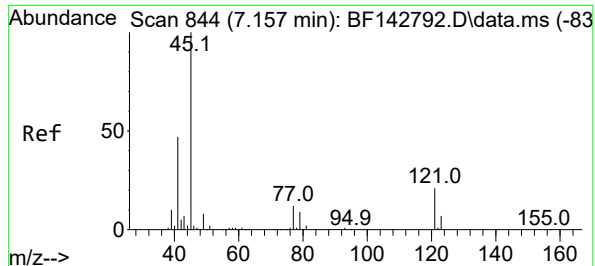
Ion Ratio Lower Upper

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

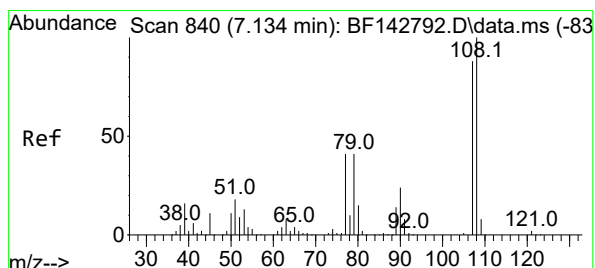
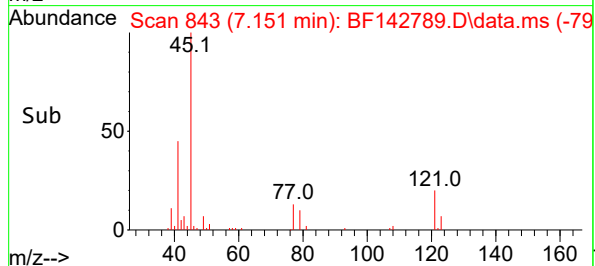
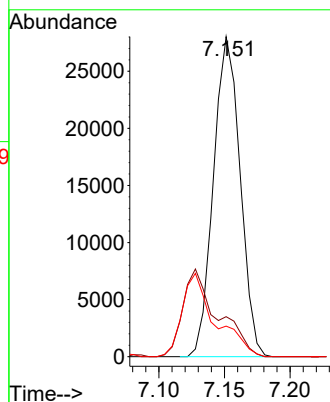
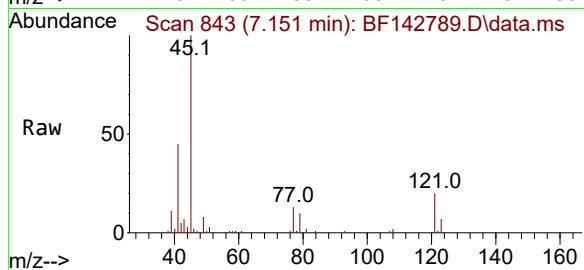
Tgt Ion: 45 Resp: 39577

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

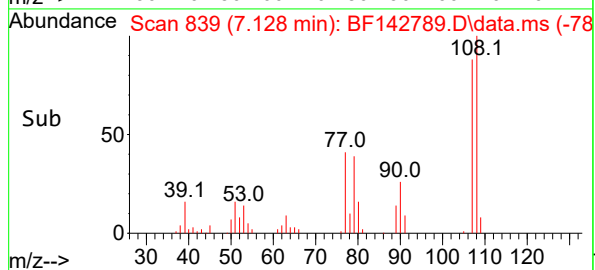
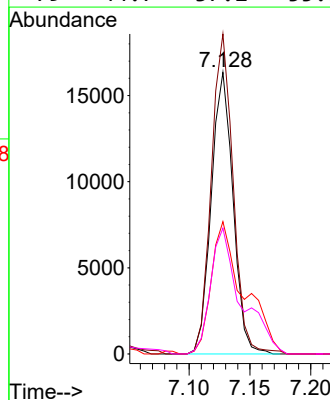
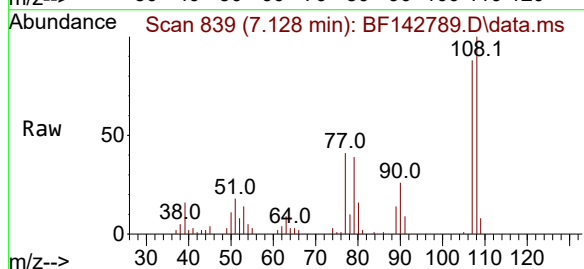
Ion Ratio Lower Upper

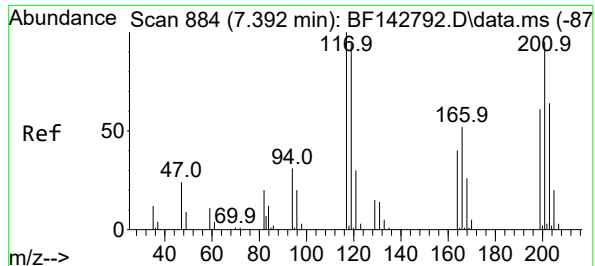
107 100

108 113.6 90.9 136.3

77 47.0 37.3 55.9

79 44.7 37.2 55.8

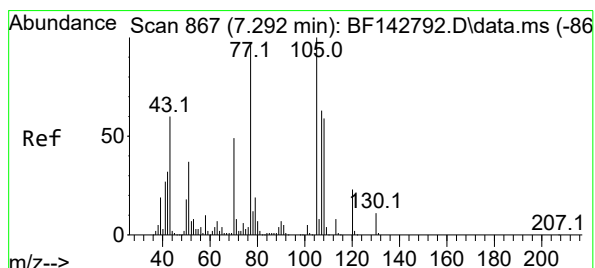
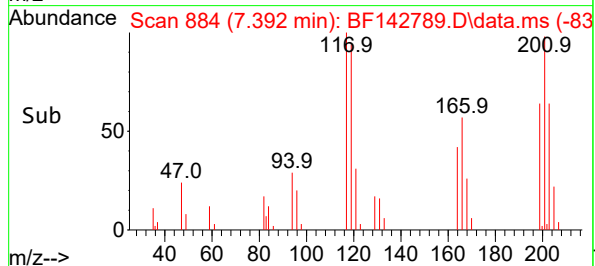
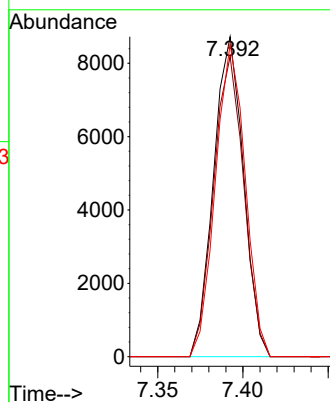
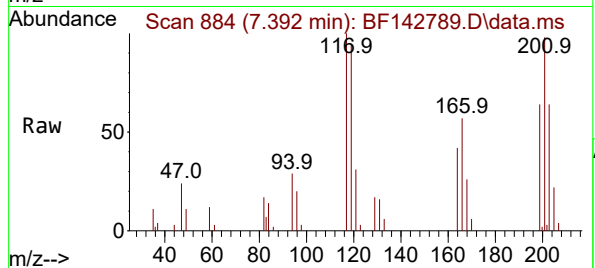




#18
Hexachloroethane
Concen: 5.054 ng
RT: 7.392 min Scan# 884
Delta R.T. 0.000 min
Lab File: BF142789.D
Acq: 19 Jun 2025 17:38

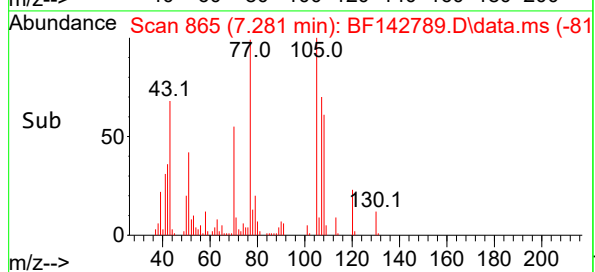
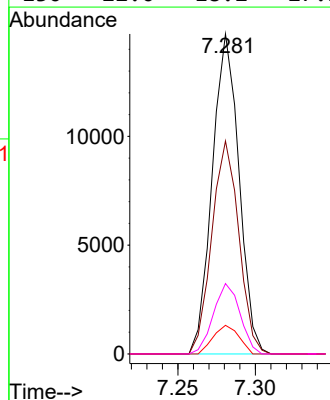
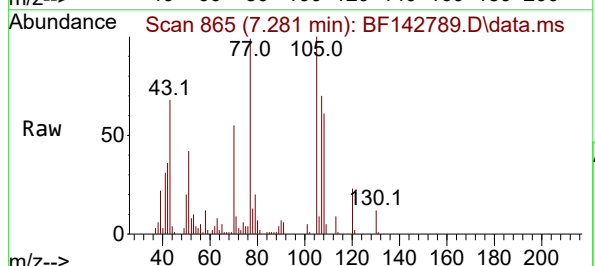
Instrument :
BNA_F
ClientSampleId :
SSTDICC005

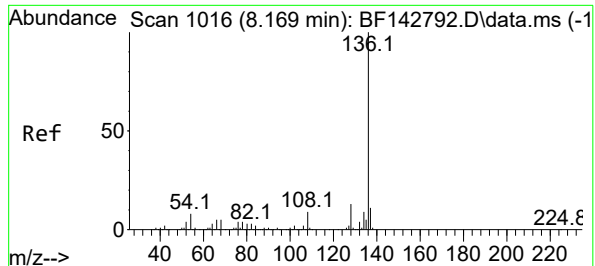
Tgt Ion:117 Resp: 10670
Ion Ratio Lower Upper
117 100
119 93.8 75.4 113.0
201 97.7 75.9 113.9



#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

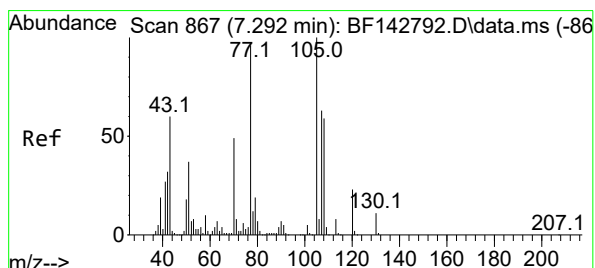
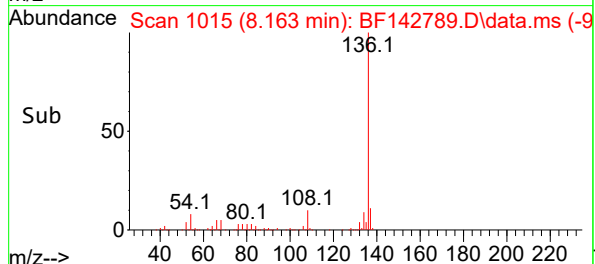
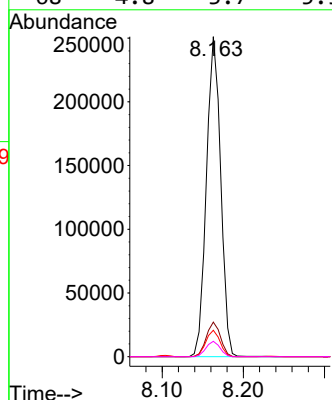
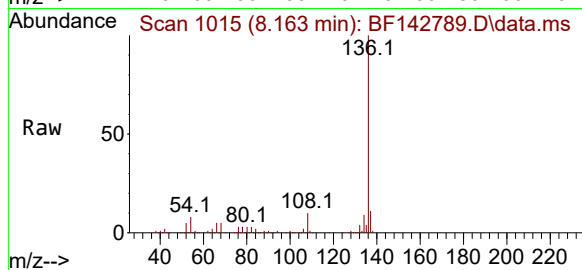
Ion Ratio Lower Upper

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

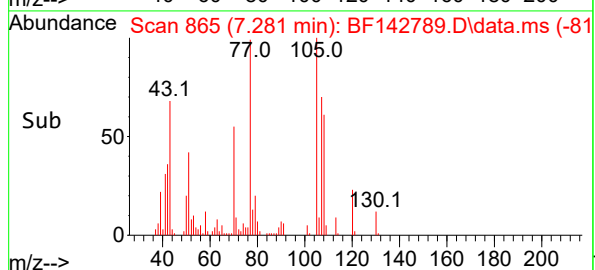
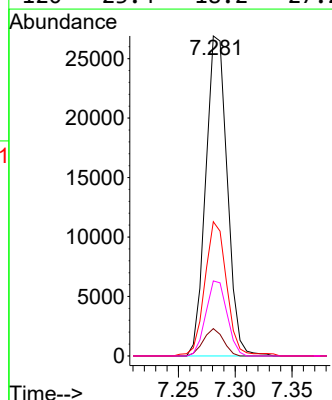
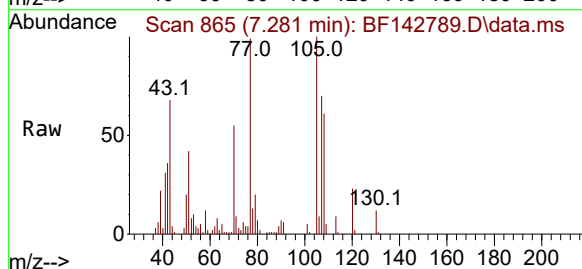
Ion Ratio Lower Upper

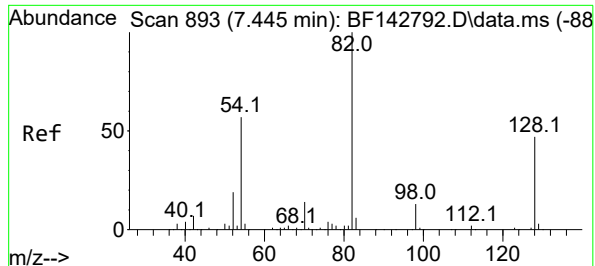
105 100

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

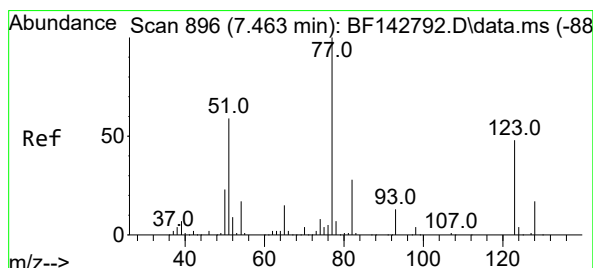
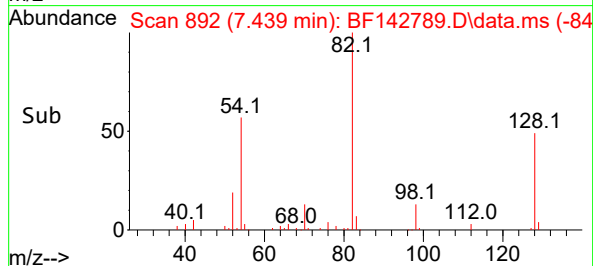
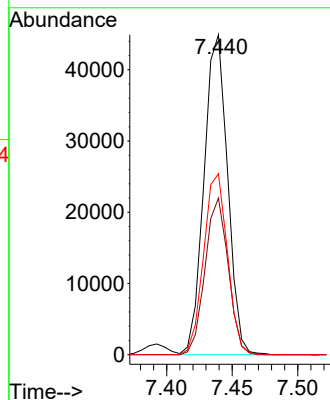
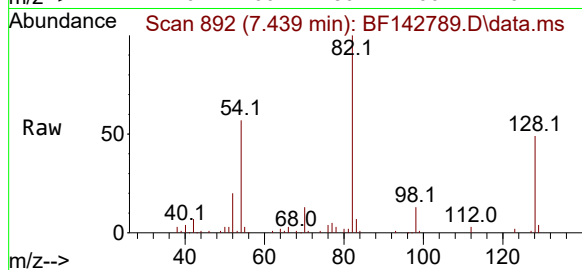
Tgt Ion: 82 Resp: 56291

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

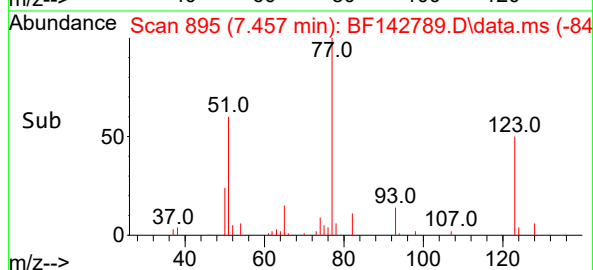
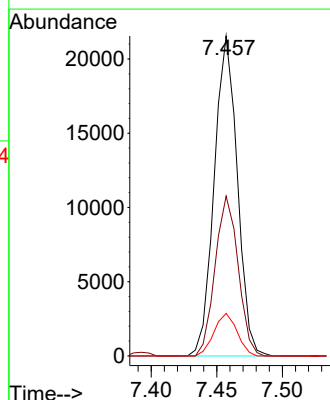
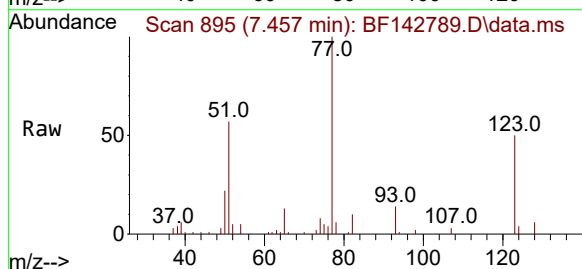
Tgt Ion: 77 Resp: 26353

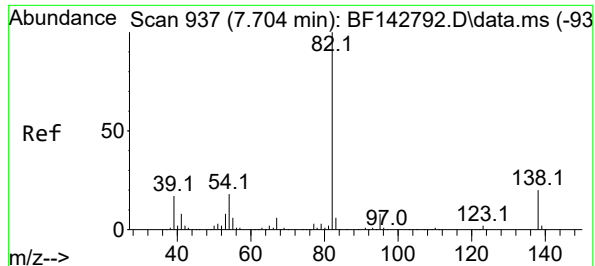
Ion Ratio Lower Upper

77 100

123 49.9 39.2 58.8

65 13.3 11.6 17.4

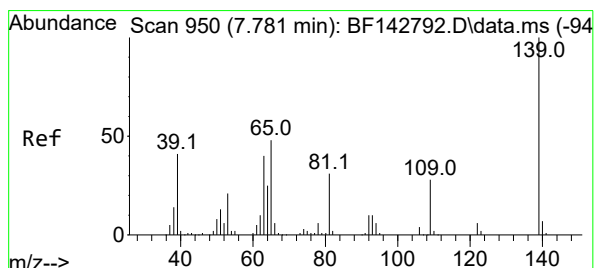
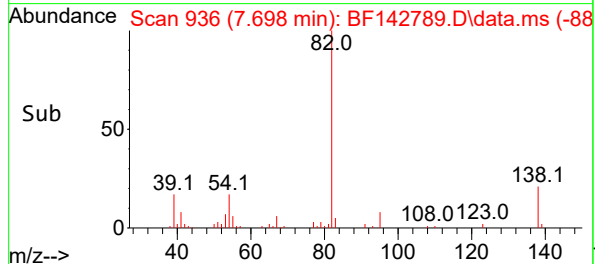
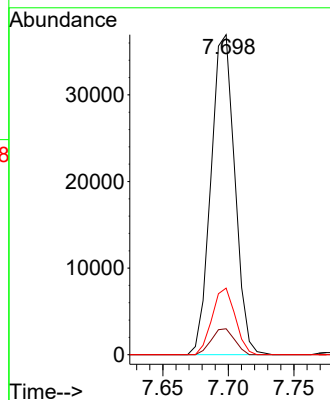
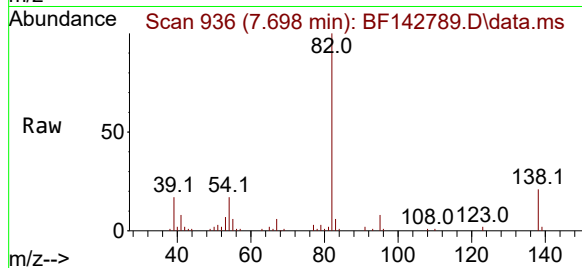




#25
Isophorone
Concen: 4.997 ng
RT: 7.698 min Scan# 91
Delta R.T. -0.006 min
Lab File: BF142789.D
Acq: 19 Jun 2025 17:38

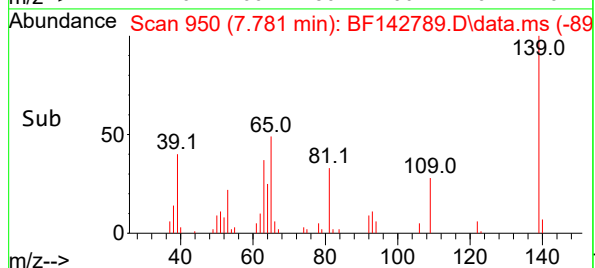
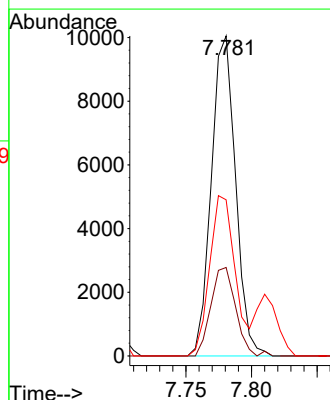
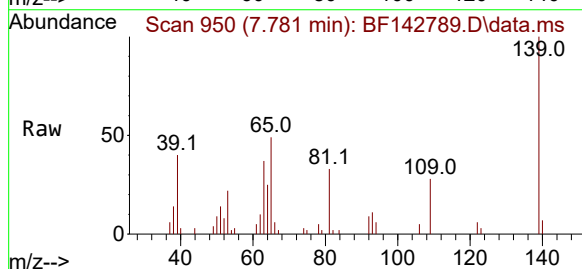
Instrument :
BNA_F
ClientSampleId :
SSTDICC005

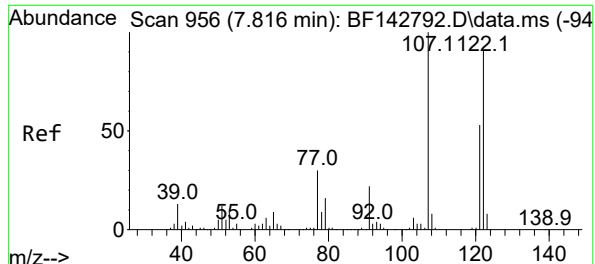
Tgt Ion: 82 Resp: 46673
Ion Ratio Lower Upper
82 100
95 8.1 6.2 9.2
138 20.8 16.2 24.4



#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

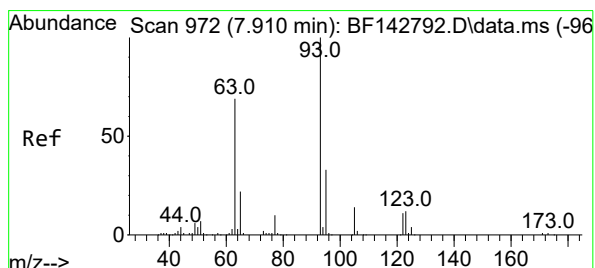
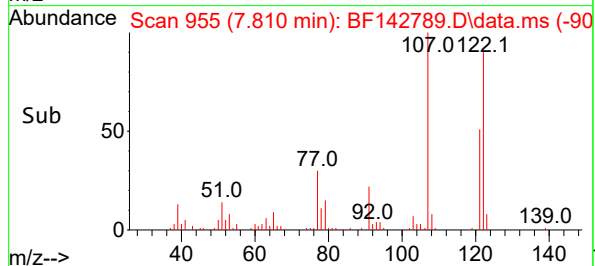
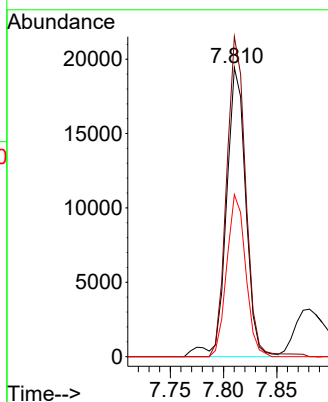
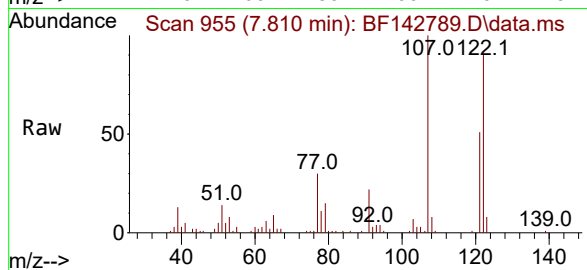
Tgt Ion:122 Resp: 24614

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

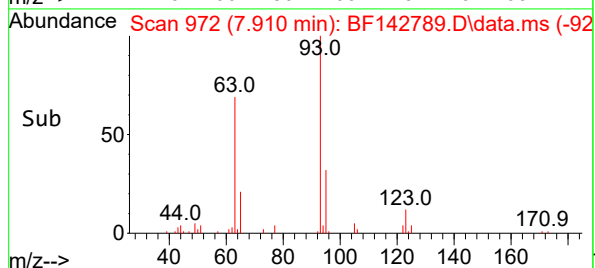
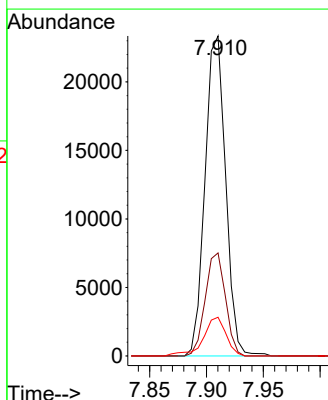
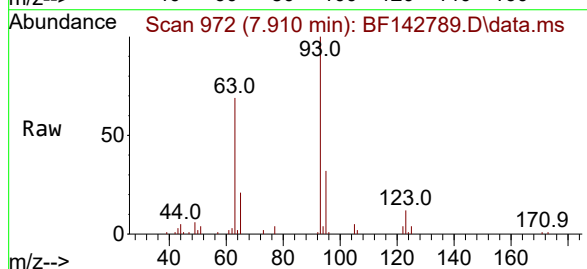
Tgt Ion: 93 Resp: 29467

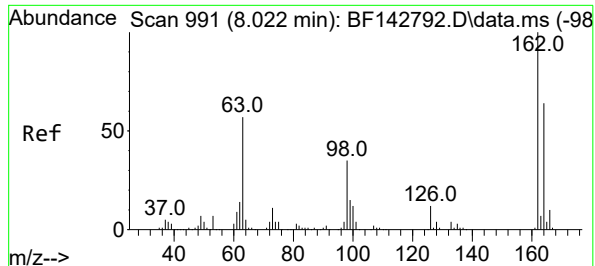
Ion Ratio Lower Upper

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

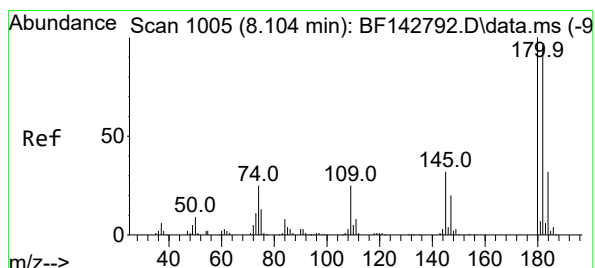
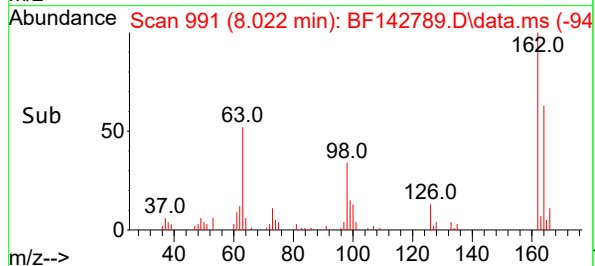
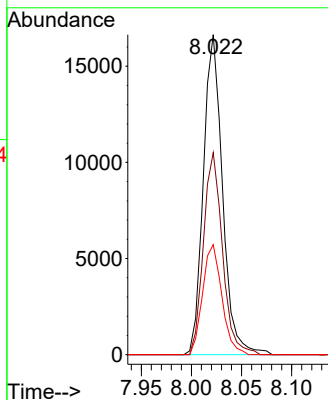
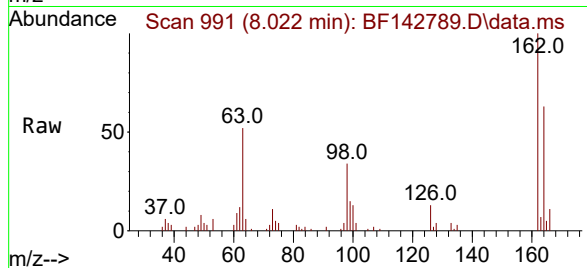
Tgt Ion:162 Resp: 22222

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

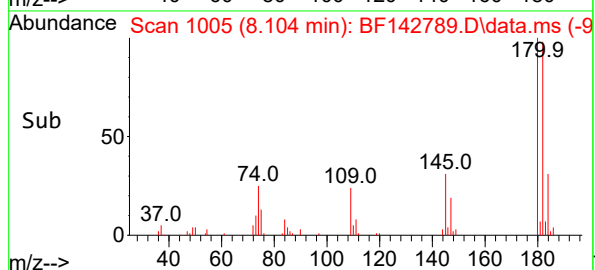
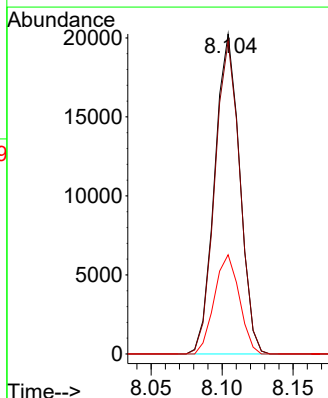
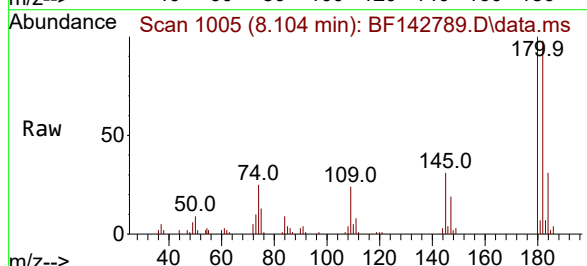
Tgt Ion:180 Resp: 24724

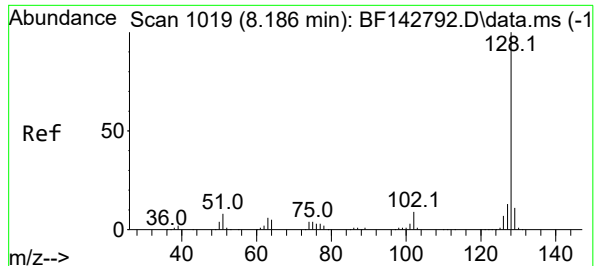
Ion Ratio Lower Upper

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

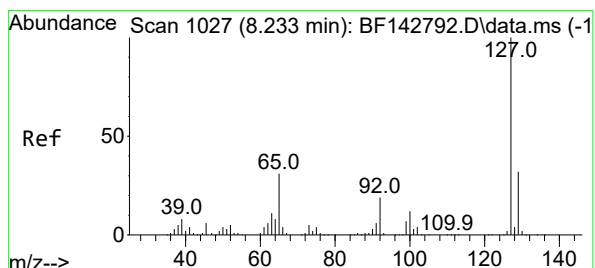
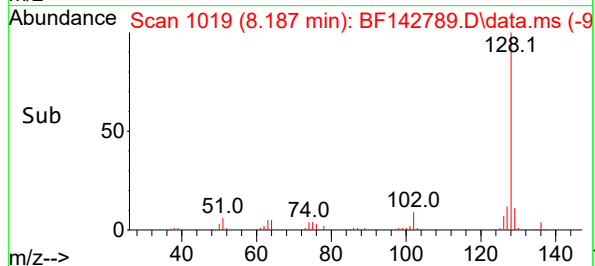
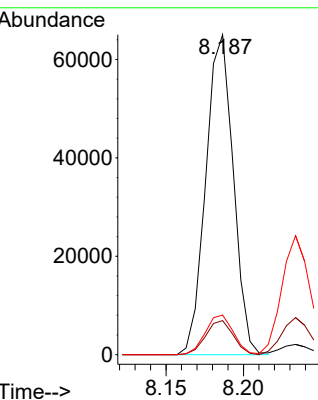
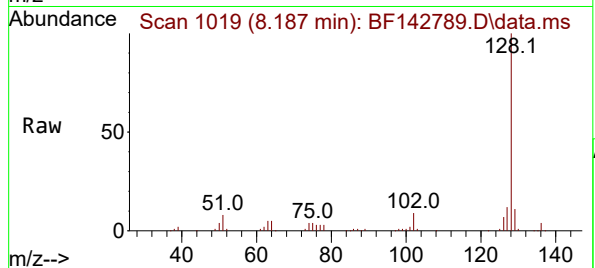
Tgt Ion:128 Resp: 80247

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

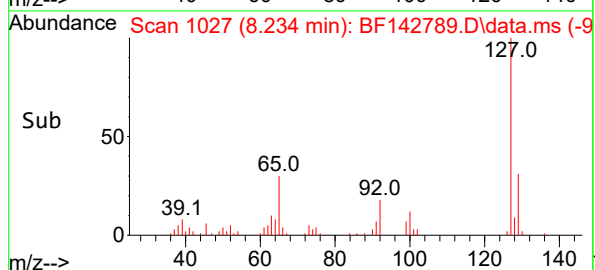
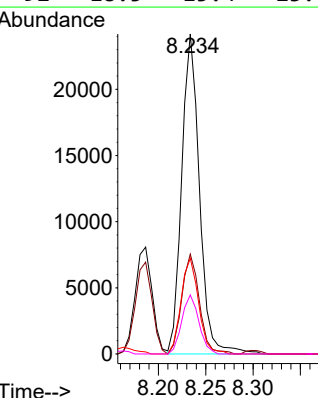
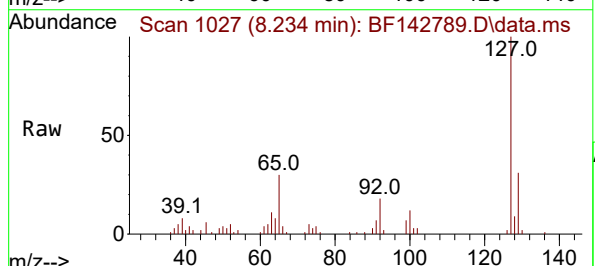
Ion Ratio Lower Upper

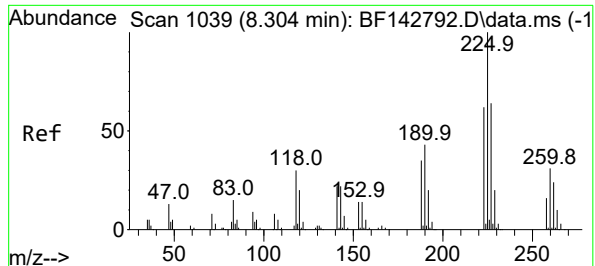
127 100

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

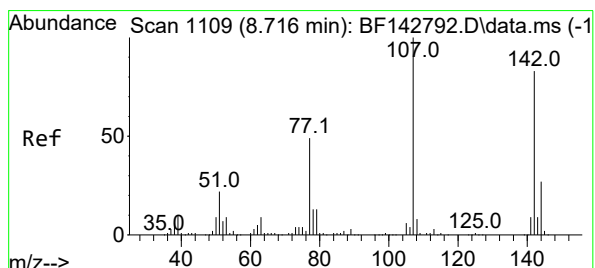
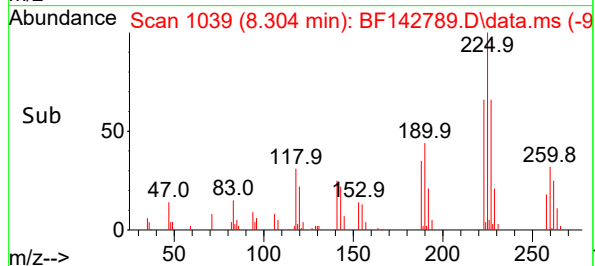
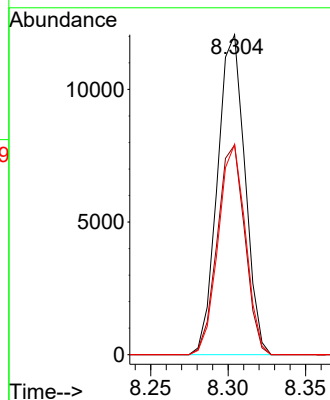
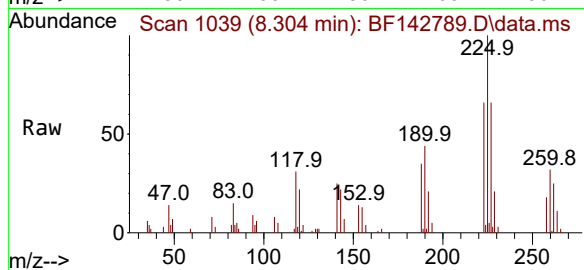
Tgt Ion:225 Resp: 14900

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

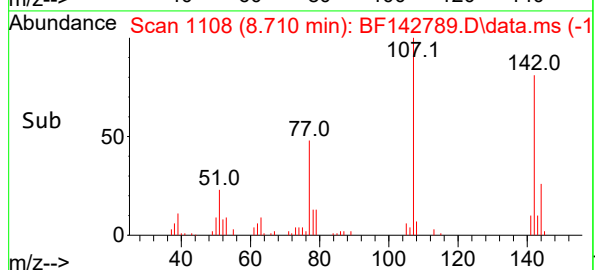
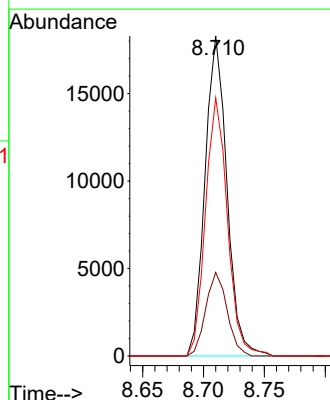
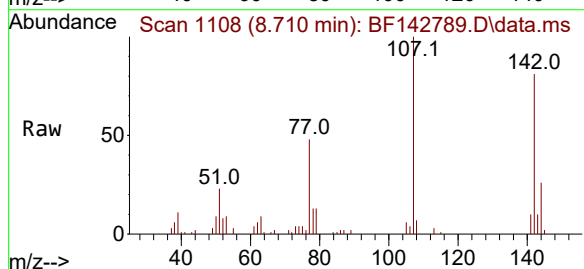
Tgt Ion:107 Resp: 22861

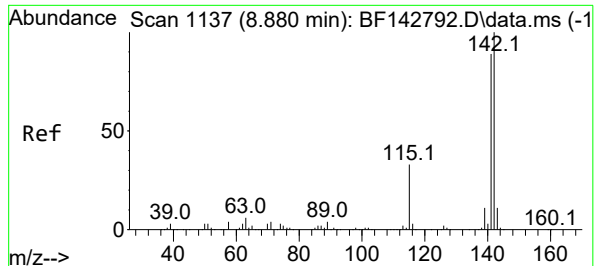
Ion Ratio Lower Upper

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 :

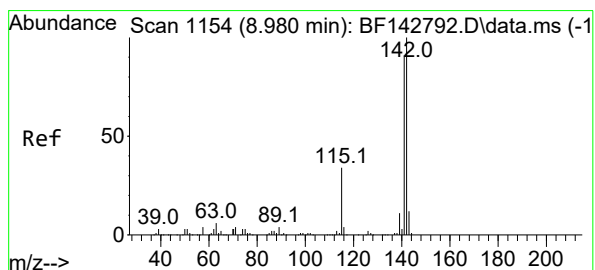
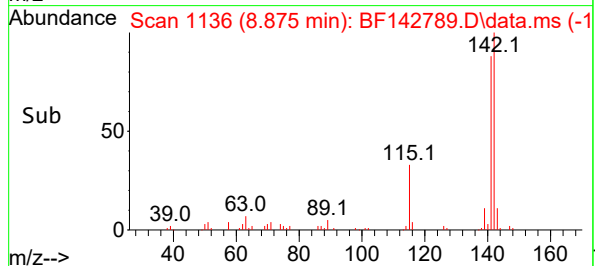
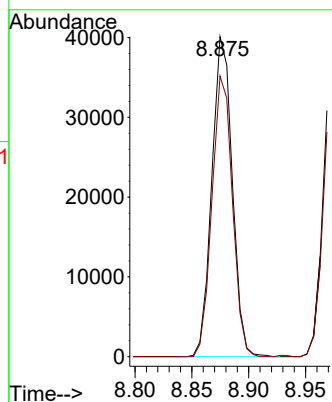
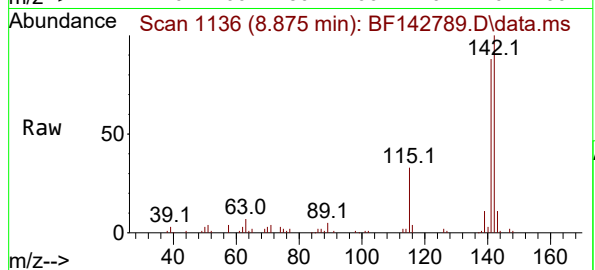
SSTDICC005

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

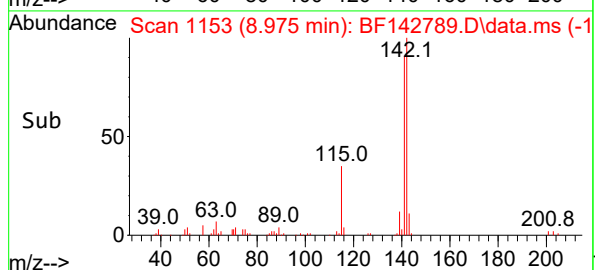
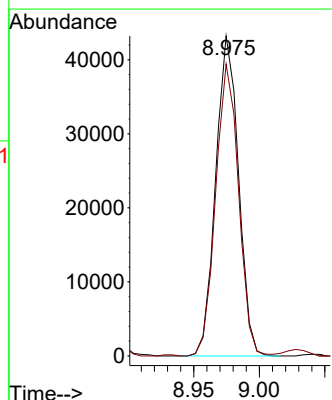
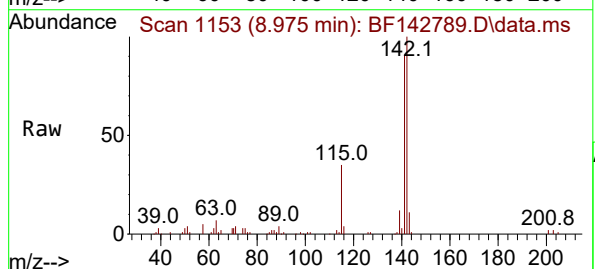
Acq: 19 Jun 2025 17:38

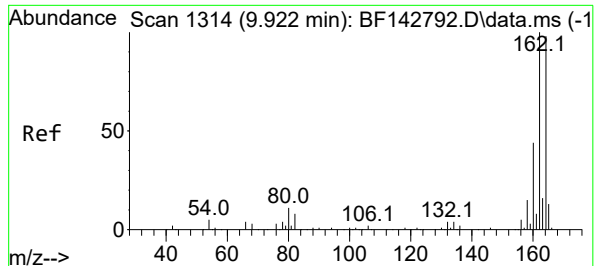
Tgt Ion:142 Resp: 52193

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# 11

Delta R.T. 0.000 min

Lab File: BF142789.D

Acq: 19 Jun 2025 17:38

Instrument :

BNA_F

ClientSampleId :

SSTDICC005

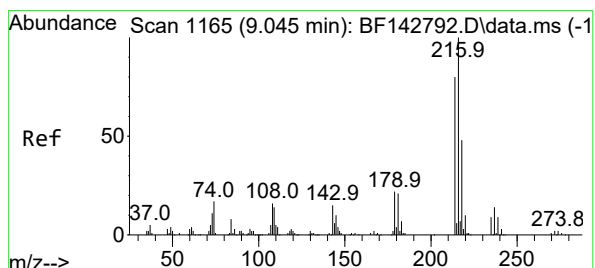
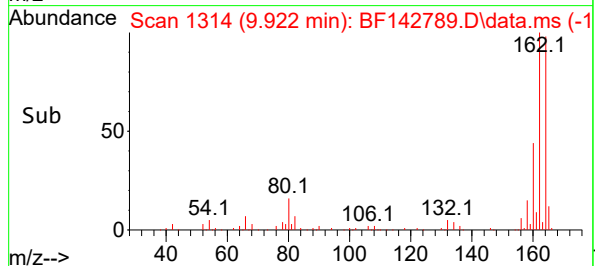
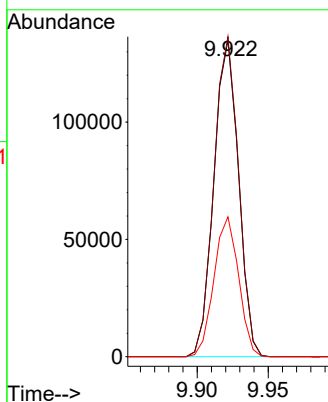
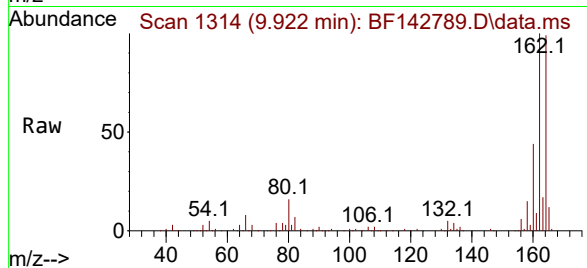
Tgt Ion:164 Resp: 162729

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

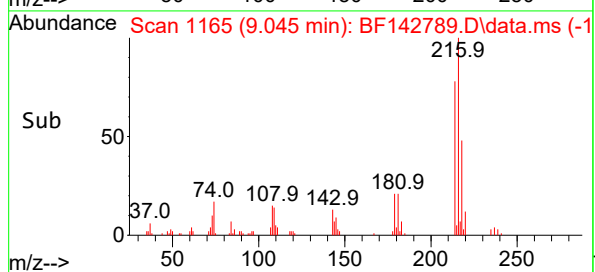
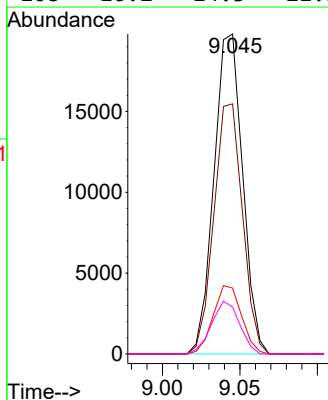
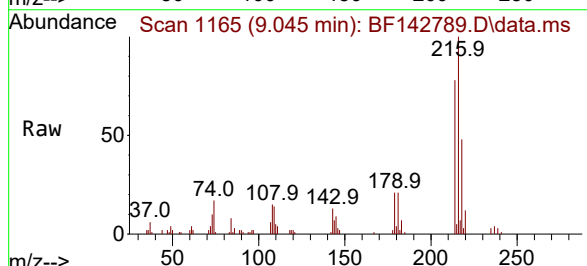
Ion Ratio Lower Upper

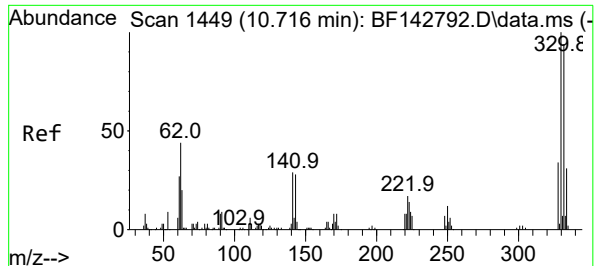
216 100

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

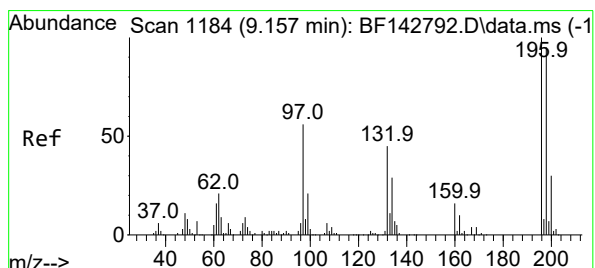
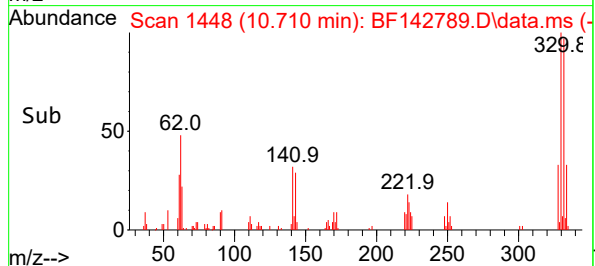
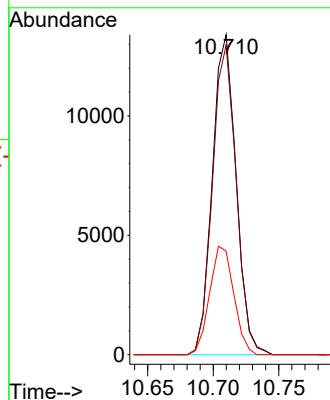
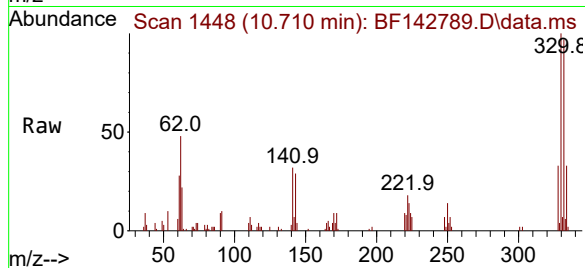
Tgt Ion:330 Resp: 16892

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

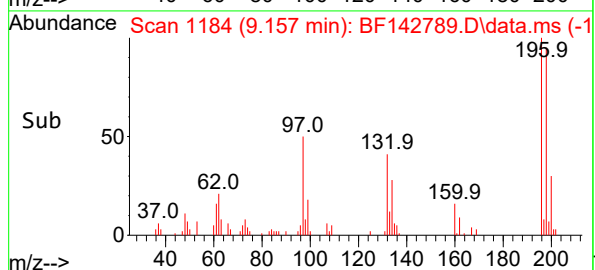
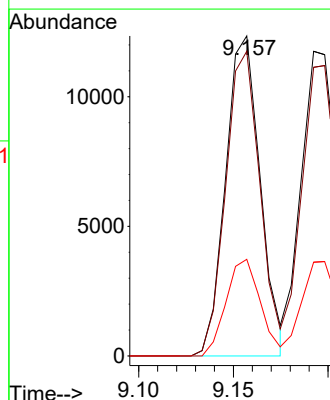
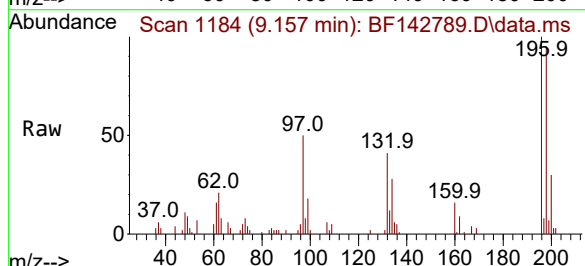
Tgt Ion:196 Resp: 15667

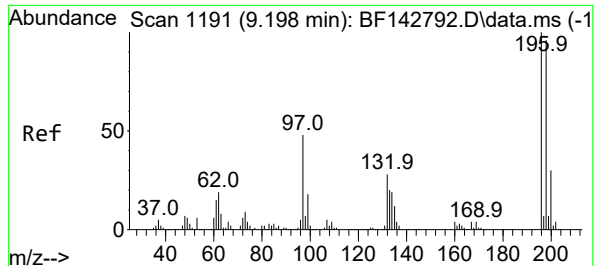
Ion Ratio Lower Upper

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

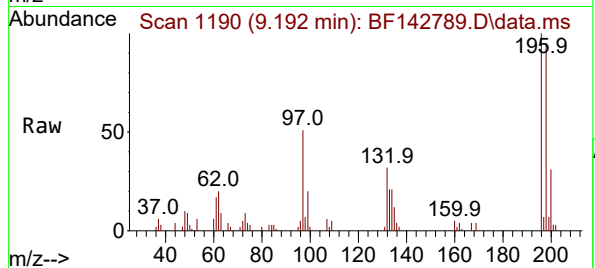
Acq: 19 Jun 2025 17:38

Instrument :

BNA_F

ClientSampleId :

SSTDICC005



Tgt Ion:196 Resp: 16563

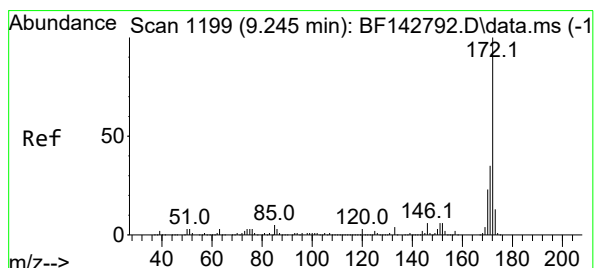
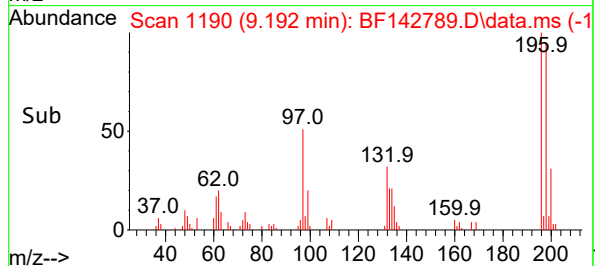
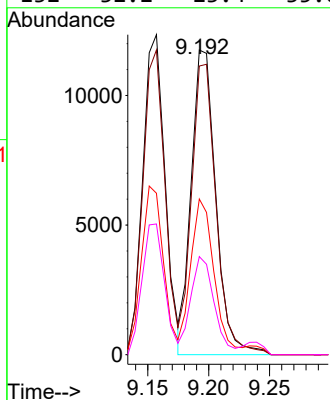
Ion Ratio Lower Upper

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

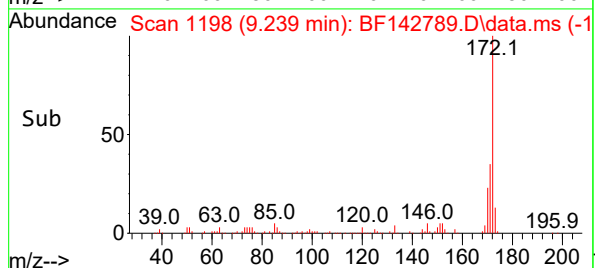
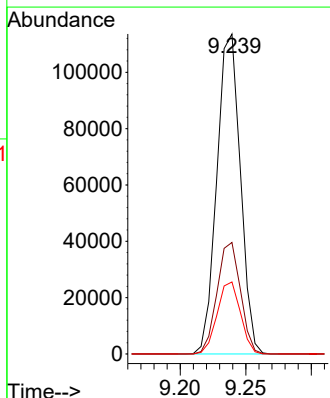
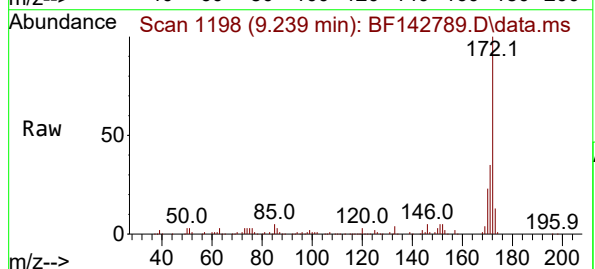
Tgt Ion:172 Resp: 141565

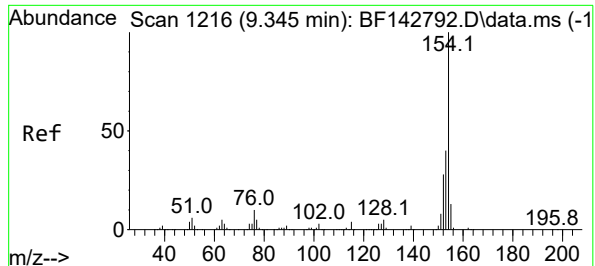
Ion Ratio Lower Upper

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

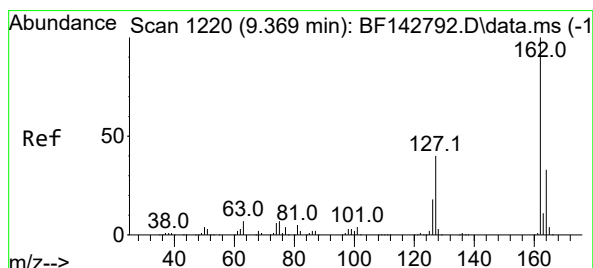
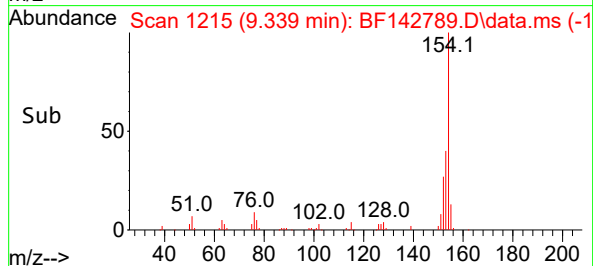
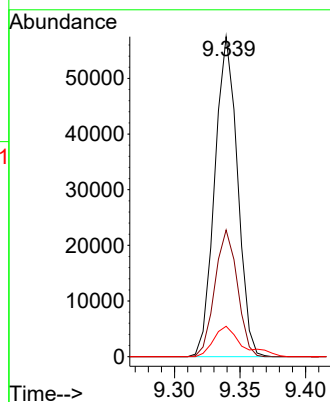
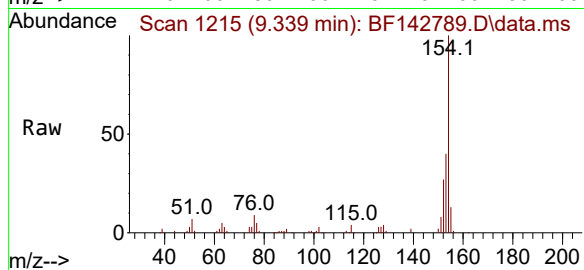
Tgt Ion:154 Resp: 69218

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

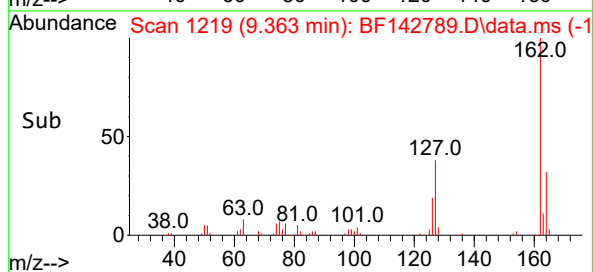
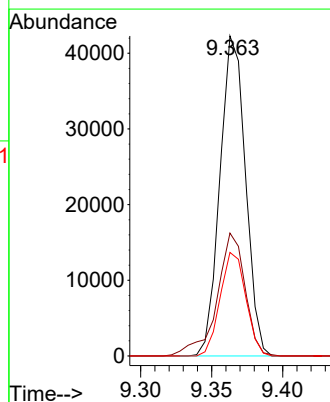
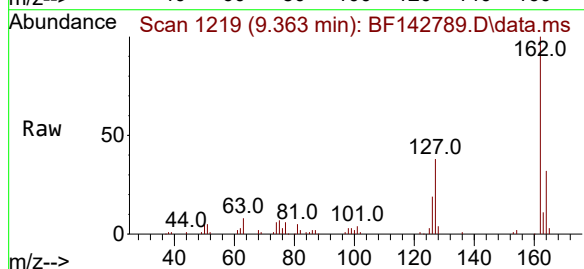
Tgt Ion:162 Resp: 52868

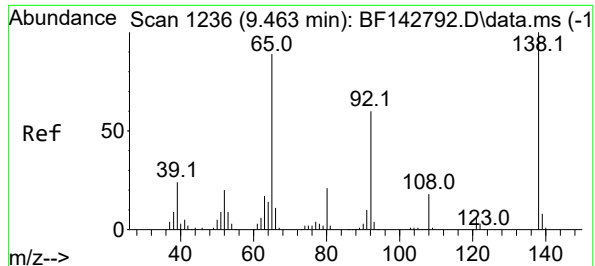
Ion Ratio Lower Upper

162 100

127 38.4 32.2 48.2

164 32.4 26.1 39.1

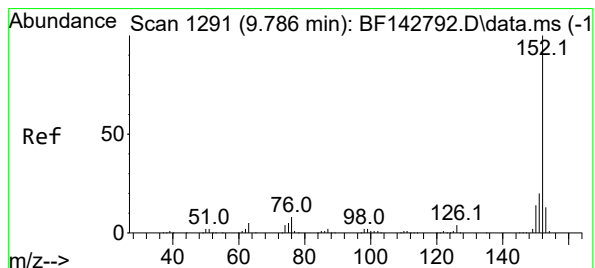
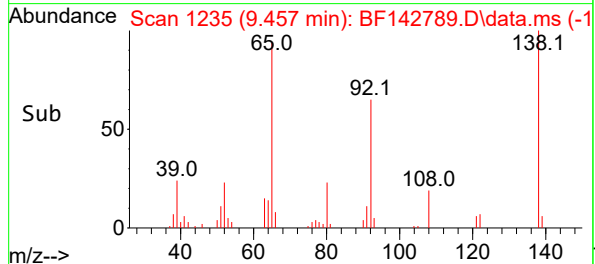
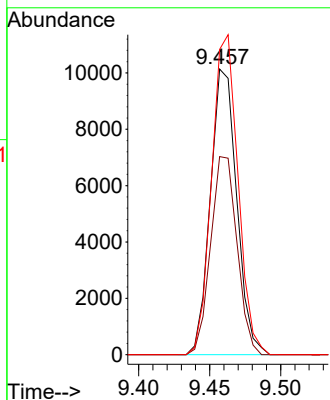
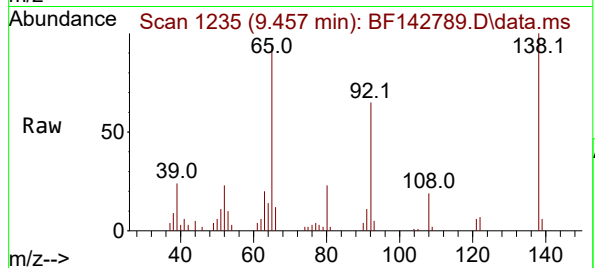




#48
2-Nitroaniline
Concen: 4.937 ng
RT: 9.457 min Scan# 1235
Delta R.T. -0.006 min
Lab File: BF142789.D
Acq: 19 Jun 2025 17:38

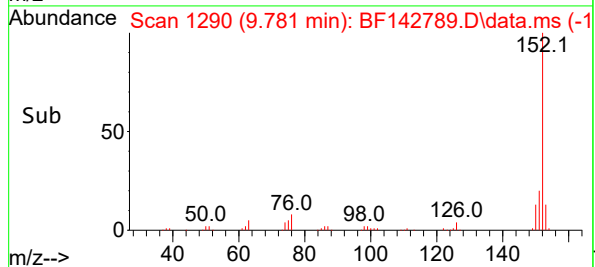
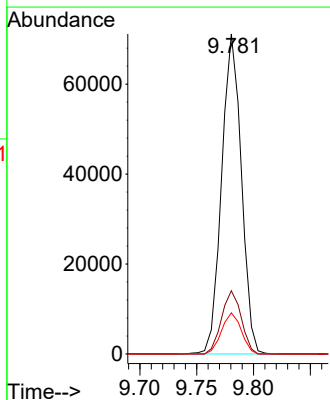
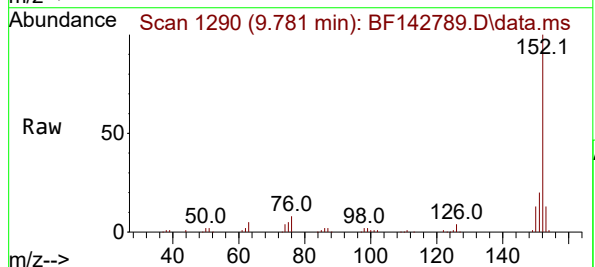
Instrument :
BNA_F
ClientSampleId :
SSTDICC005

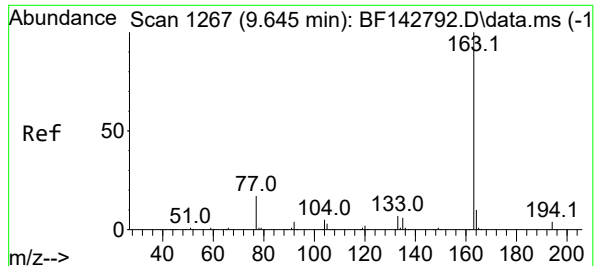
Tgt Ion:	65	Resp:	13076
Ion Ratio	Lower	Upper	
65	100		
92	69.4	53.8	80.6
138	106.9	89.6	134.4



#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

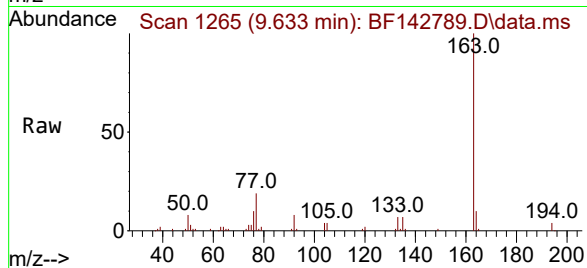
Tgt Ion:	152	Resp:	85856
Ion Ratio	Lower	Upper	
152	100		
151	19.7	16.1	24.1
153	12.8	10.4	15.6



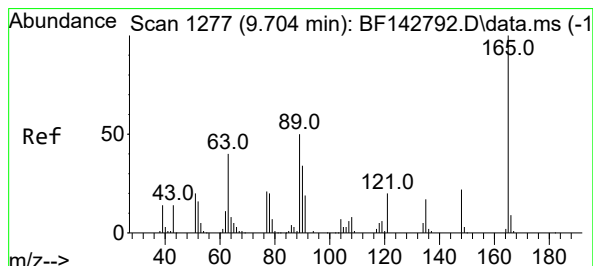
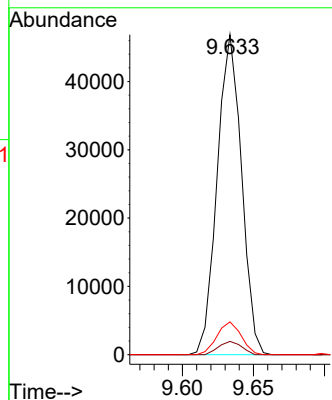
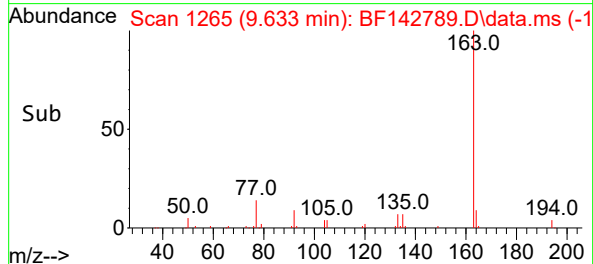


#50
Dimethylphthalate
Concen: 5.170 ng
RT: 9.633 min Scan# 1265
Delta R.T. -0.012 min
Lab File: BF142789.D
Acq: 19 Jun 2025 17:38

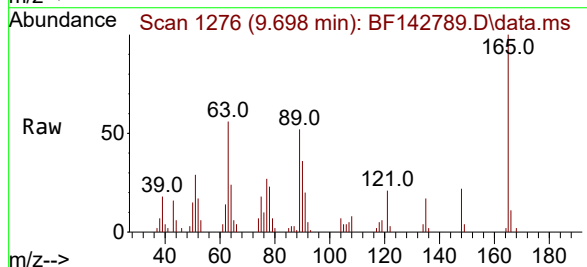
Instrument :
BNA_F
ClientSampleId :
SSTDICC005



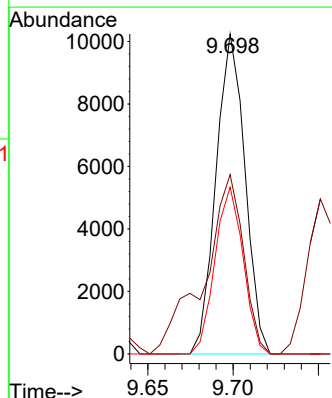
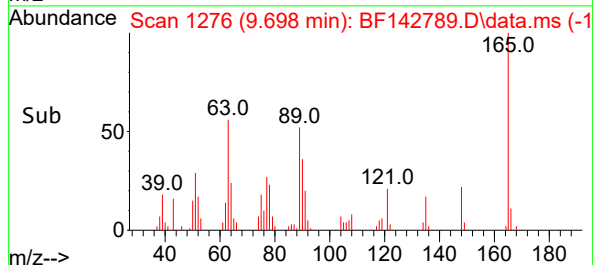
Tgt Ion:163 Resp: 55804
Ion Ratio Lower Upper
163 100
194 4.2 3.3 4.9
164 10.2 8.0 12.0

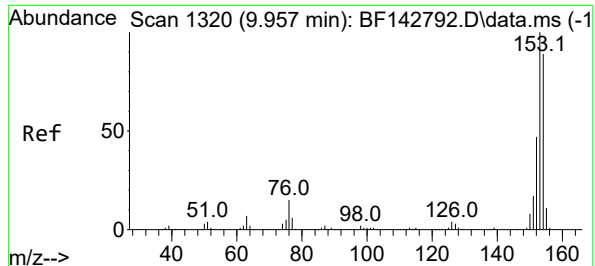


#51
2,6-Dinitrotoluene
Concen: 5.163 ng
RT: 9.698 min Scan# 1276
Delta R.T. -0.006 min
Lab File: BF142789.D
Acq: 19 Jun 2025 17:38



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

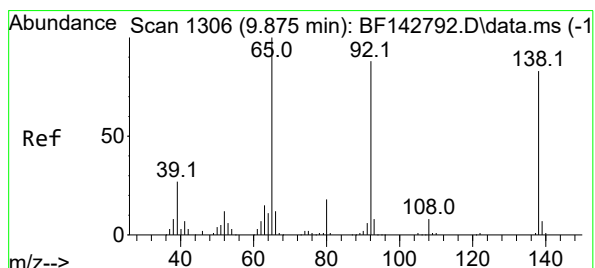
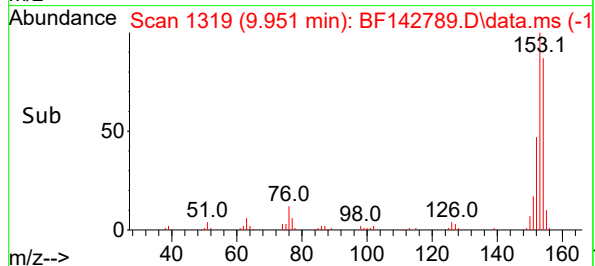
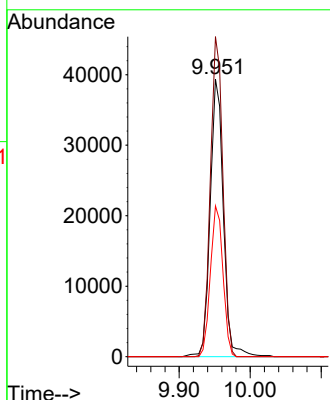
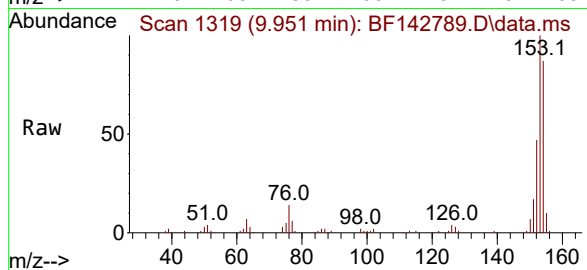
Tgt Ion:154 Resp: 50726

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

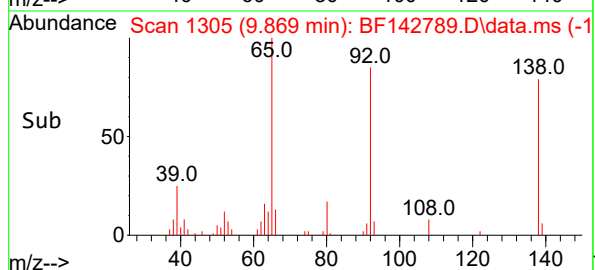
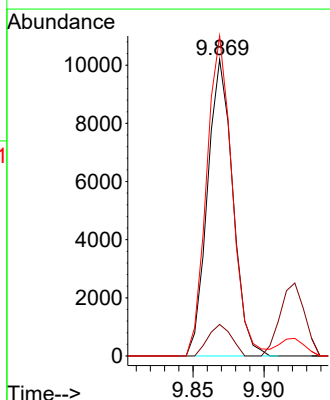
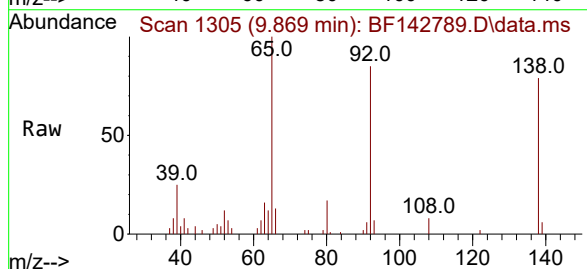
Tgt Ion:138 Resp: 12667

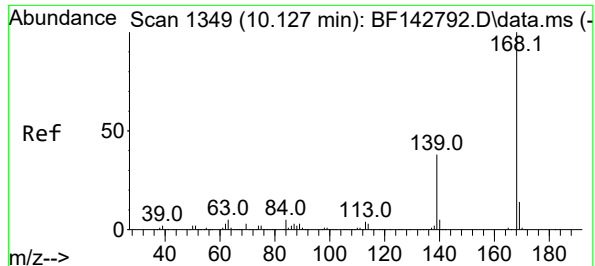
Ion Ratio Lower Upper

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 :

SSTDIC005

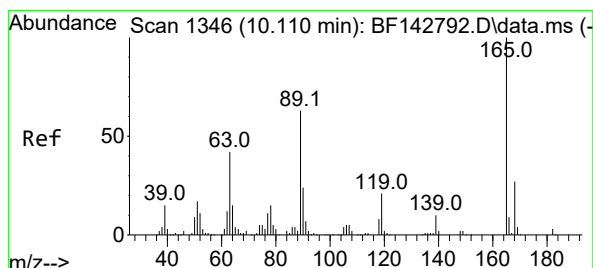
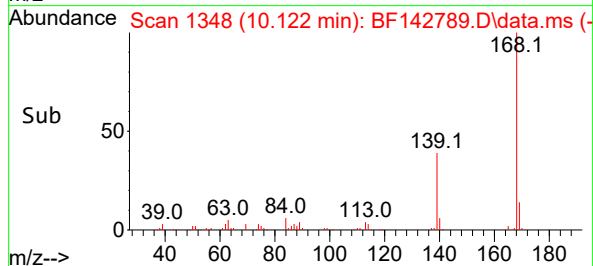
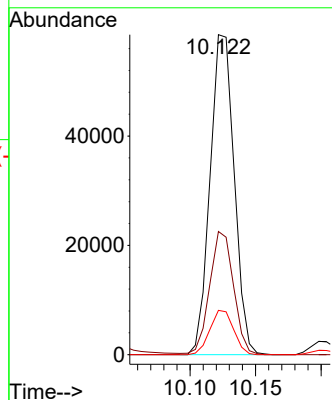
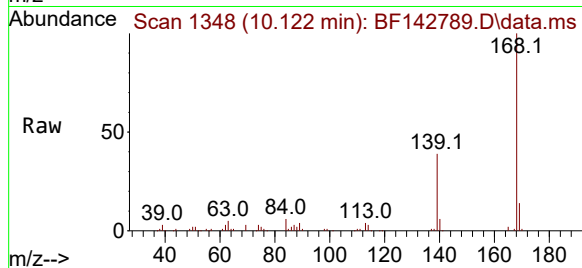
Tgt Ion:168 Resp: 74998

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

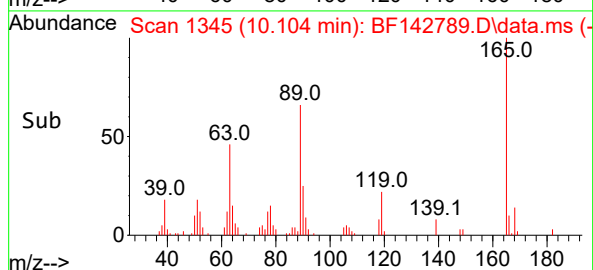
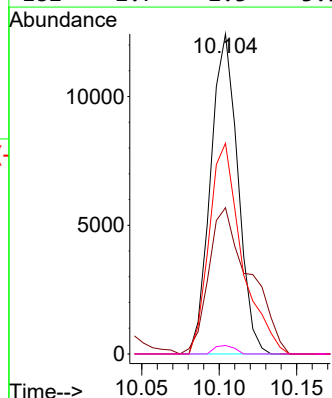
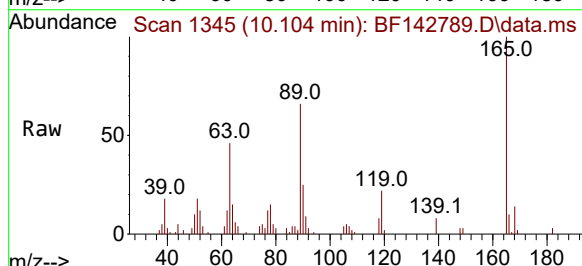
Ion Ratio Lower Upper

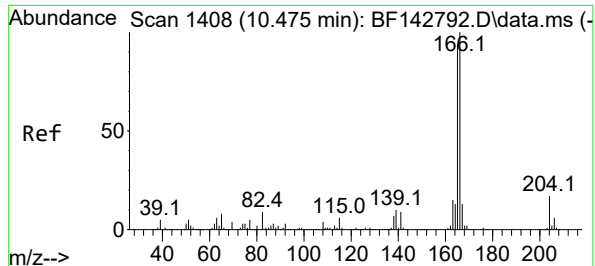
165 100

63 45.7 33.9 50.9

89 65.9 50.6 75.8

182 2.7 2.3 3.5

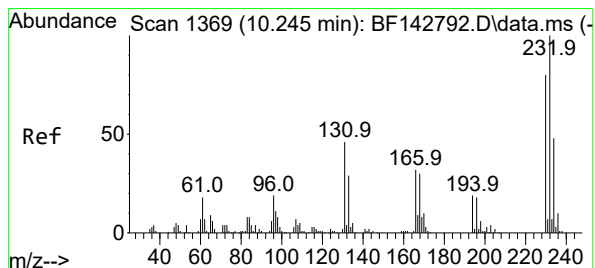
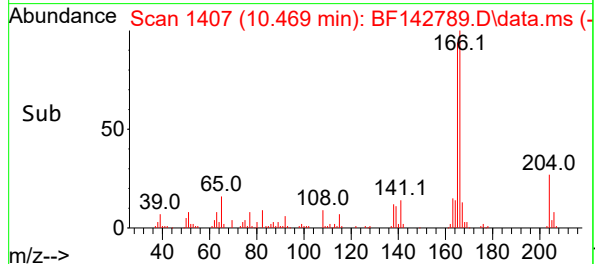
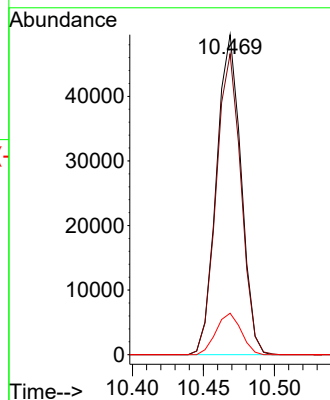
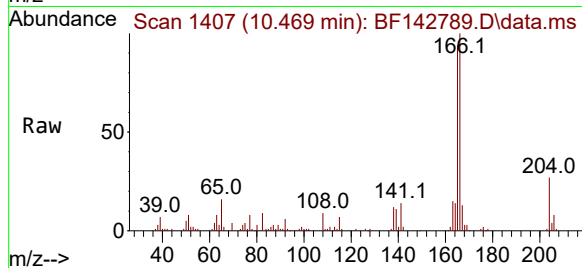




#58
Fluorene
Concen: 5.453 ng
RT: 10.469 min Scan# 1408
Delta R.T. -0.006 min
Lab File: BF142789.D
Acq: 19 Jun 2025 17:38

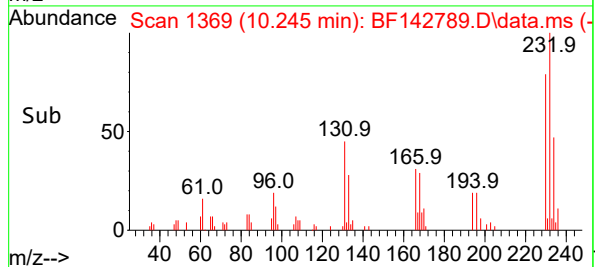
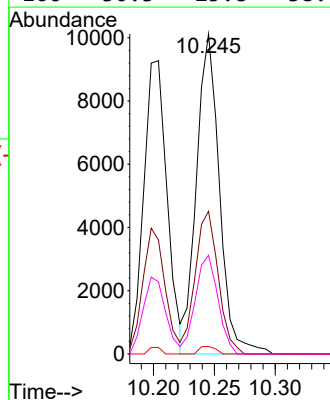
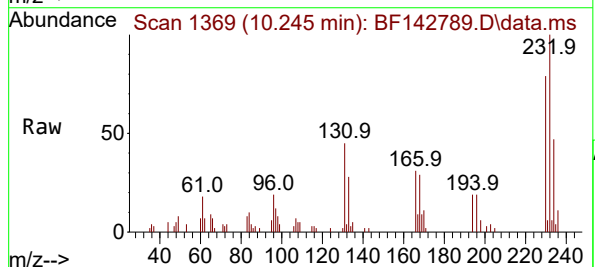
Instrument :
BNA_F
ClientSampleId :
SSTDICC005

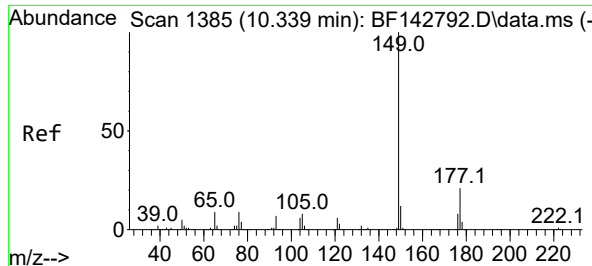
Tgt Ion:166 Resp: 59558
Ion Ratio Lower Upper
166 100
165 94.0 75.2 112.8
167 13.0 10.6 15.8



#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

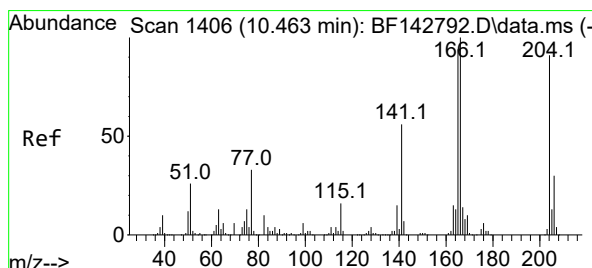
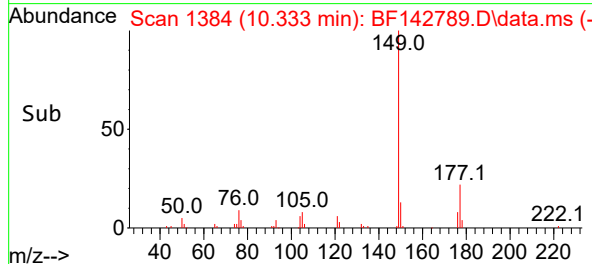
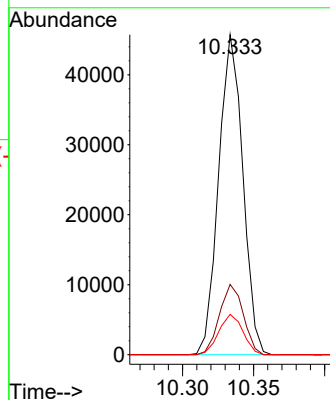
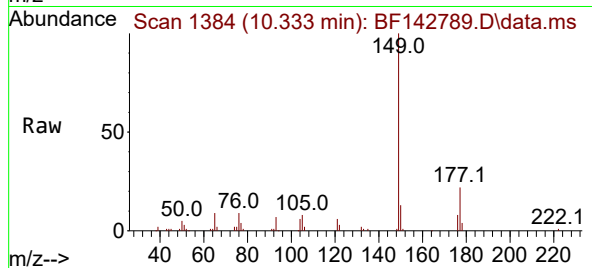




#60
Diethylphthalate
Concen: 5.040 ng
RT: 10.333 min Scan# 11
Delta R.T. -0.006 min
Lab File: BF142789.D
Acq: 19 Jun 2025 17:38

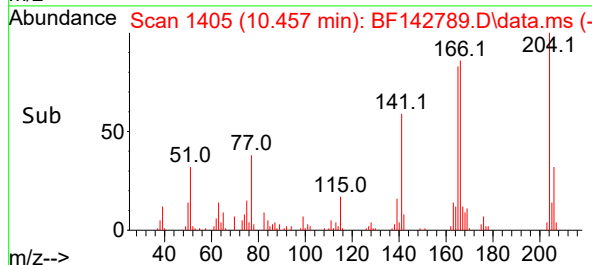
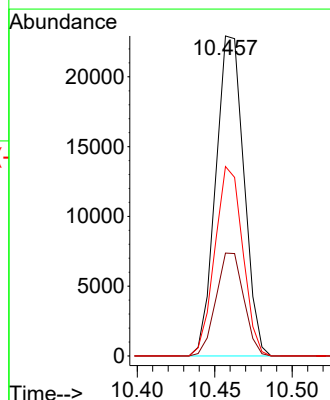
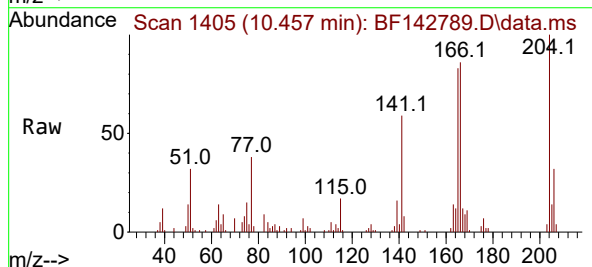
Instrument :
BNA_F
ClientSampleId :
SSTDICC005

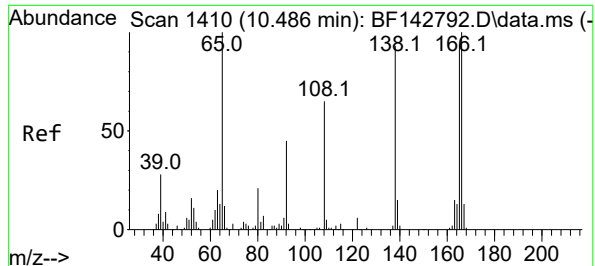
Tgt Ion	Ratio	Lower	Upper
149	100		
177	21.9	17.0	25.6
150	12.6	9.8	14.6



#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 :

SSTDIC005

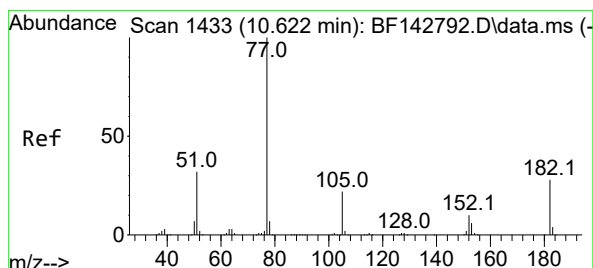
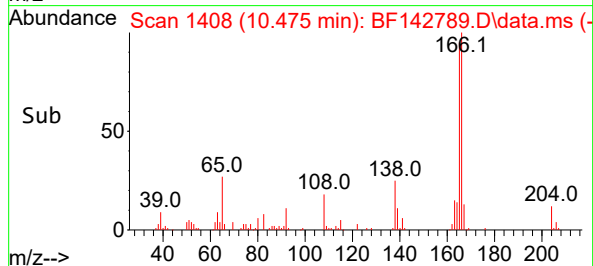
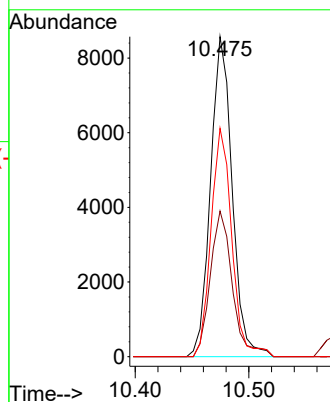
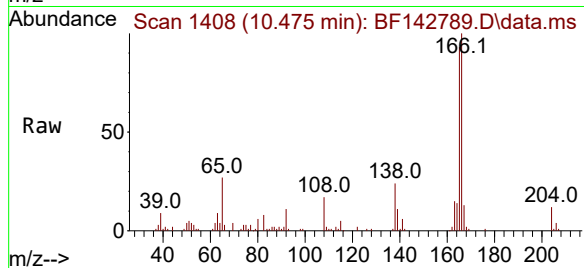
Tgt Ion:138 Resp: 11342

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

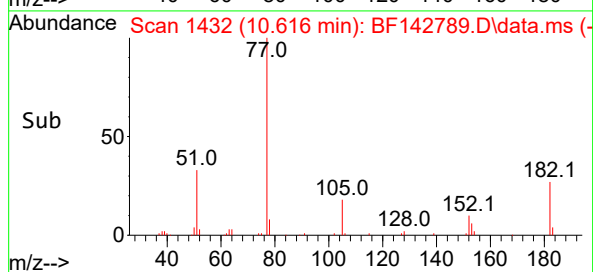
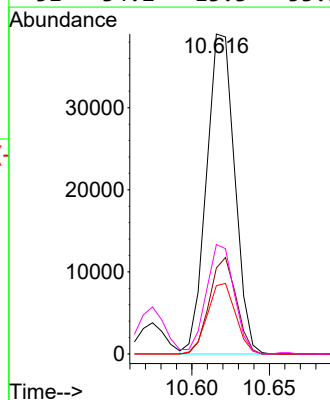
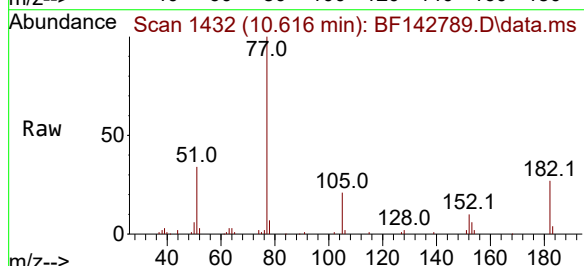
Ion Ratio Lower Upper

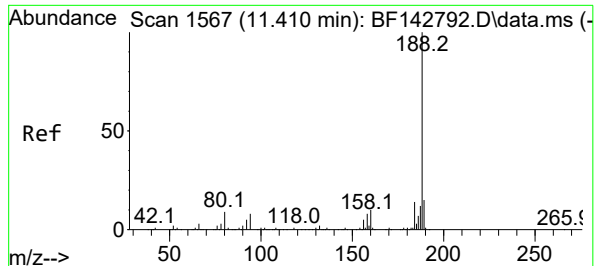
77 100

182 26.8 7.7 47.7

105 21.4 1.9 41.9

51 34.2 13.3 53.3

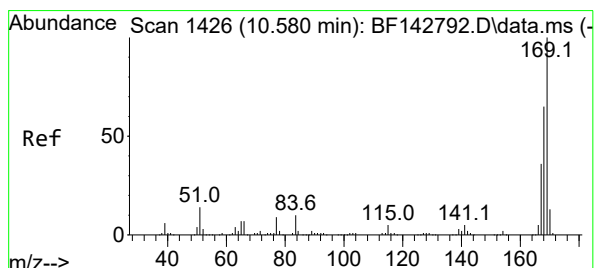
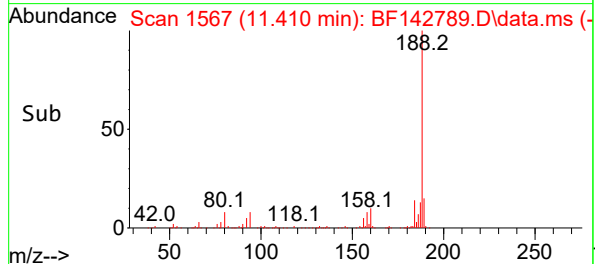
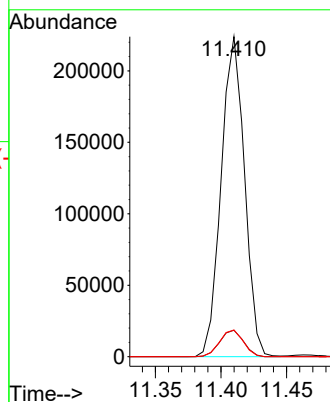
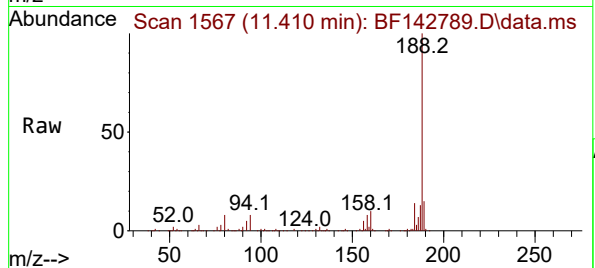




#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.410 min Scan# 11
Delta R.T. 0.000 min
Lab File: BF142789.D
Acq: 19 Jun 2025 17:38

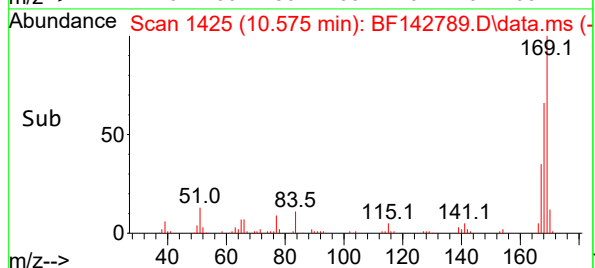
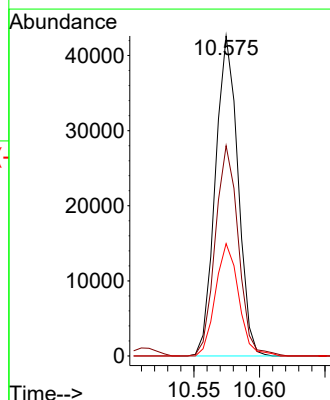
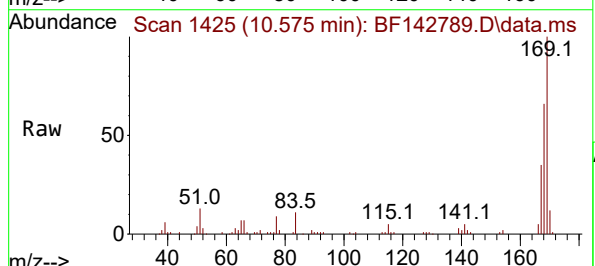
Instrument :
BNA_F
ClientSampleId :
SSTDICC005

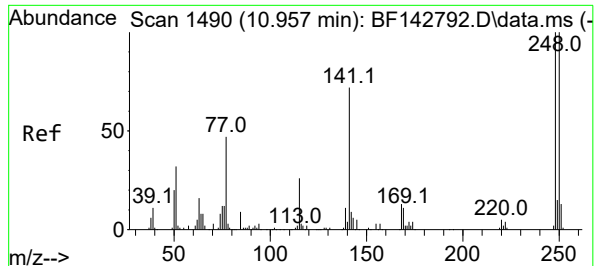
Tgt Ion:188 Resp: 277233
Ion Ratio Lower Upper
188 100
94 8.2 6.7 10.1
80 8.3 6.9 10.3



#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# 14

Delta R.T. -0.006 min

Lab File: BF142789.D

Acq: 19 Jun 2025 17:38

Instrument :

BNA_F

ClientSampleId :

SSTDICC005

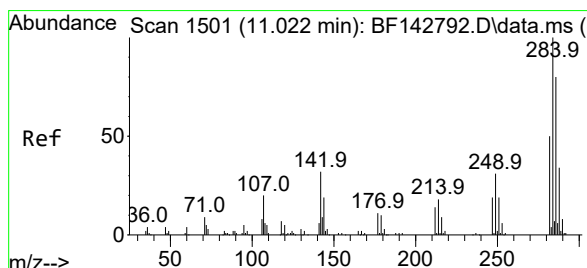
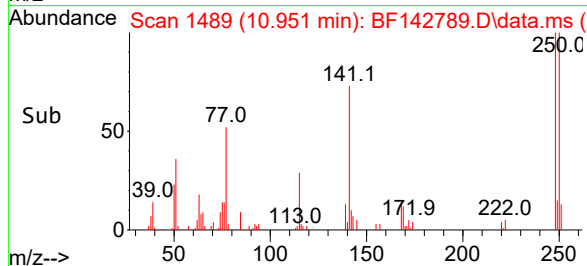
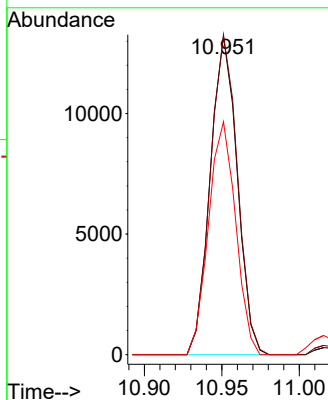
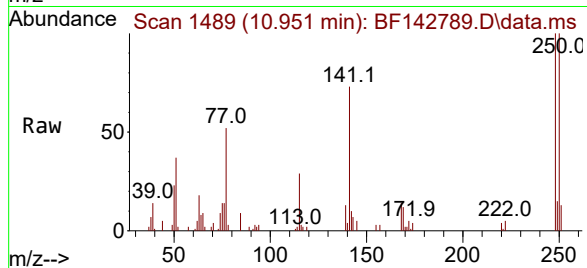
Tgt Ion:248 Resp: 15996

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

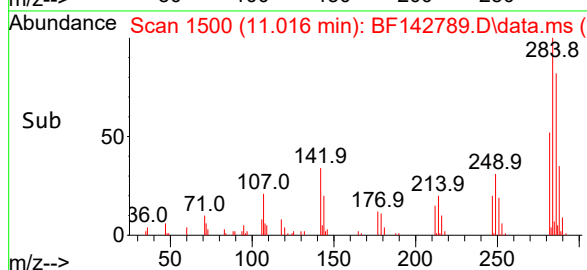
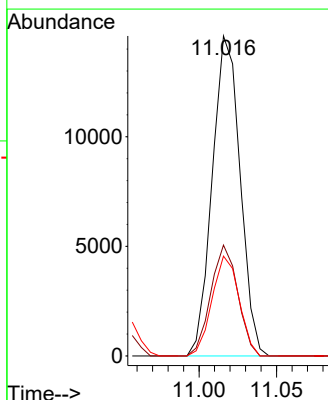
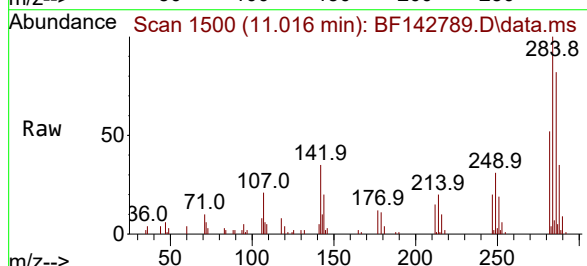
Tgt Ion:284 Resp: 18237

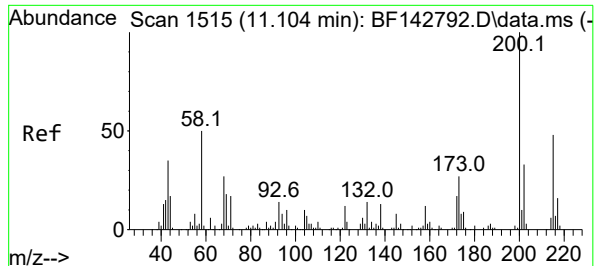
Ion Ratio Lower Upper

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# 1514

Delta R.T. -0.006 min

Lab File: BF142789.D

Acq: 19 Jun 2025 17:38

Instrument :

BNA_F

ClientSampleId :

SSTDICC005

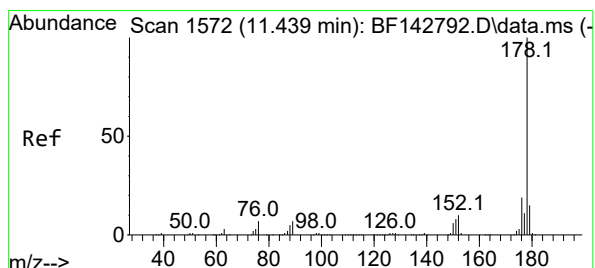
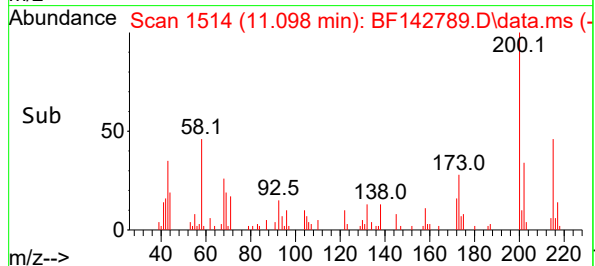
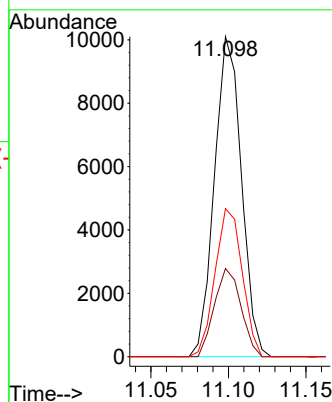
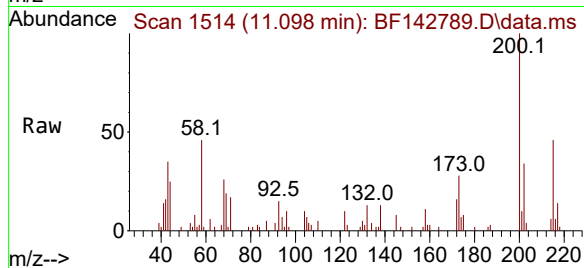
Tgt Ion:200 Resp: 12221

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

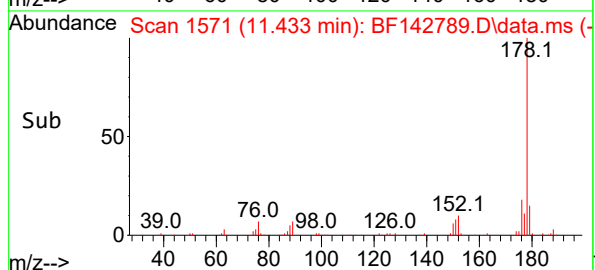
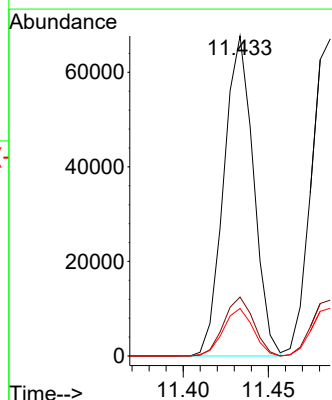
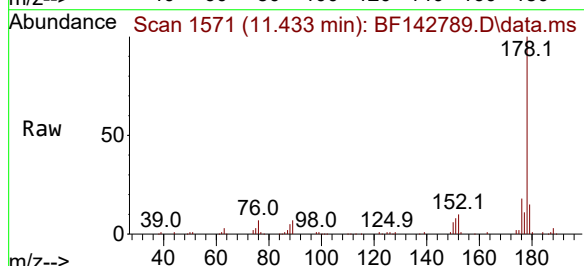
Tgt Ion:178 Resp: 81962

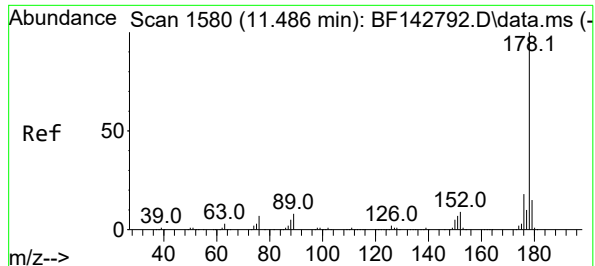
Ion Ratio Lower Upper

178 100

176 18.4 15.1 22.7

179 14.8 12.0 18.0

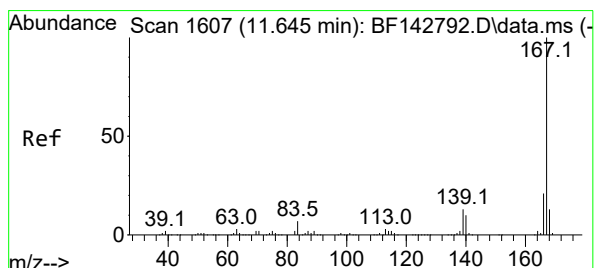
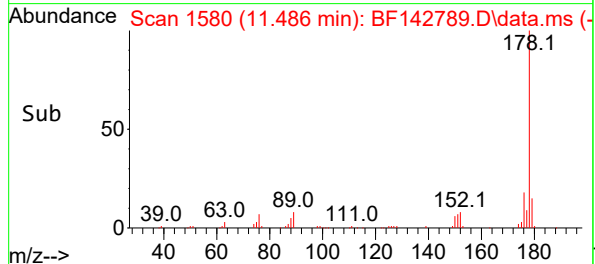
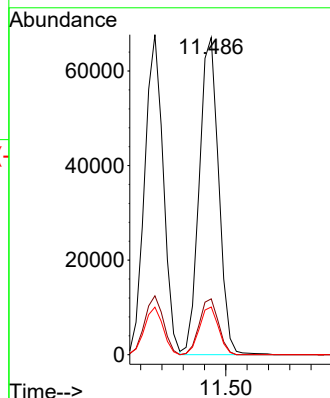
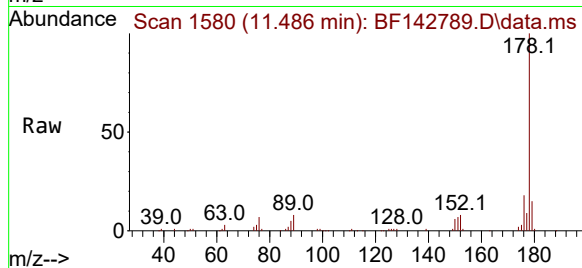




#72
Anthracene
Concen: 5.529 ng
RT: 11.486 min Scan# 11
Delta R.T. 0.000 min
Lab File: BF142789.D
Acq: 19 Jun 2025 17:38

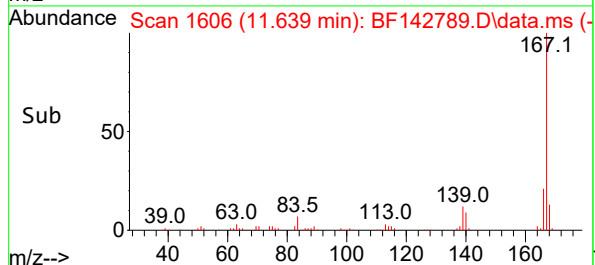
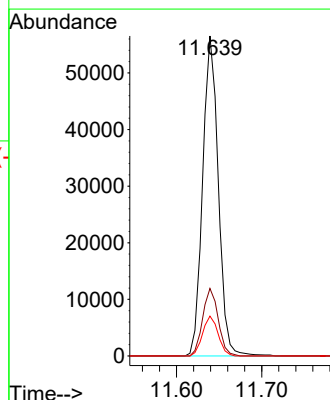
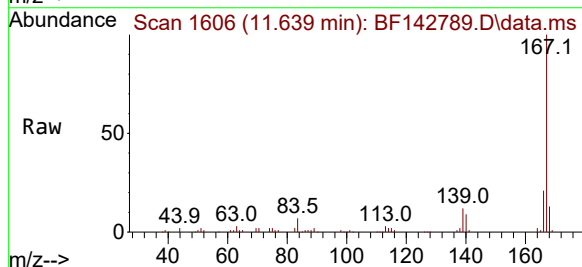
Instrument :
BNA_F
ClientSampleId :
SSTDICC005

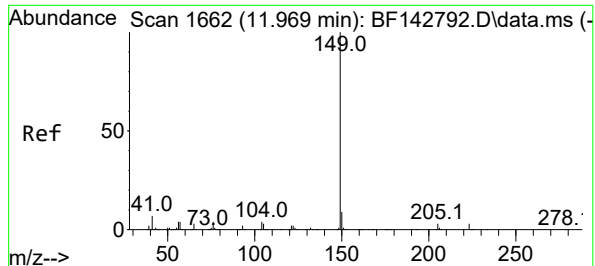
Tgt Ion	Ratio	Lower	Upper
178	100		
176	17.6	14.6	21.8
179	15.1	12.4	18.6



#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	Ratio	Lower	Upper
167	100		
166	21.1	17.0	25.4
139	12.5	10.2	15.2

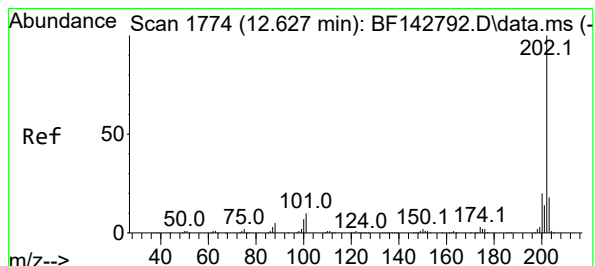
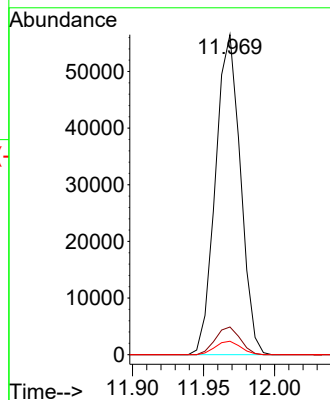
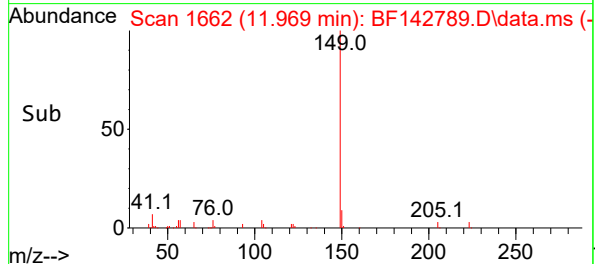
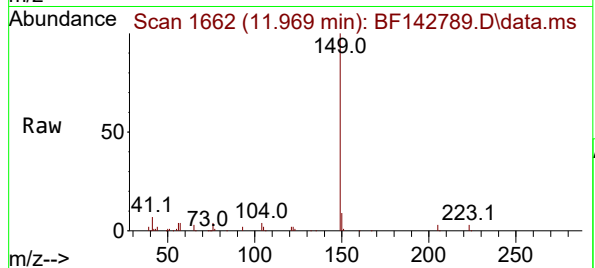




#74
Di-n-butylphthalate
Concen: 4.850 ng
RT: 11.969 min Scan# 1662
Delta R.T. 0.000 min
Lab File: BF142789.D
Acq: 19 Jun 2025 17:38

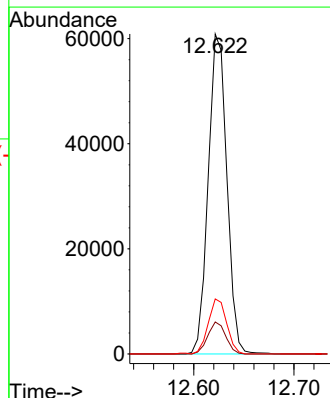
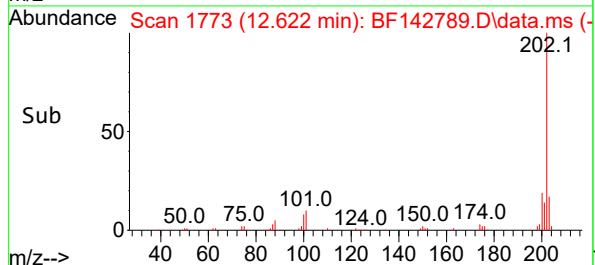
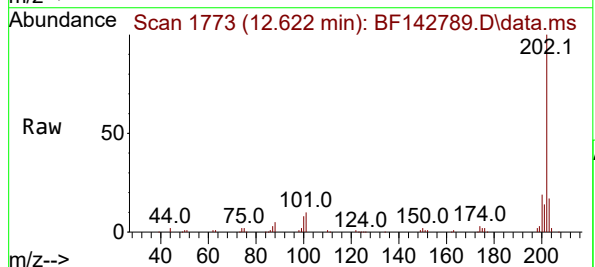
Instrument :
BNA_F
ClientSampleId :
SSTDICC005

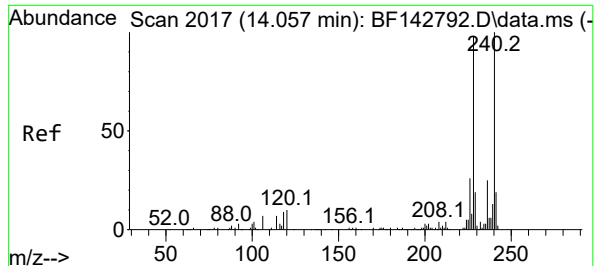
Tgt Ion:149 Resp: 69083
Ion Ratio Lower Upper
149 100
150 8.7 7.4 11.0
104 4.2 3.5 5.3



#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

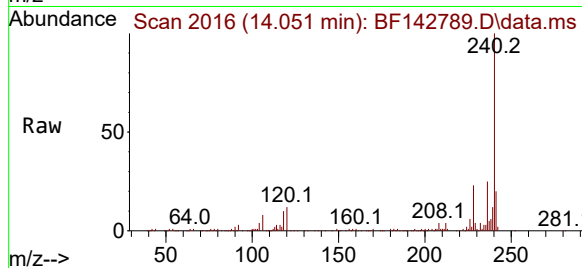
Tgt Ion:202 Resp: 78721
Ion Ratio Lower Upper
202 100
101 10.0 0.0 29.7
203 17.2 0.0 37.5



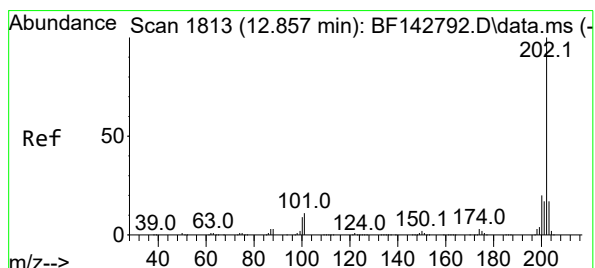
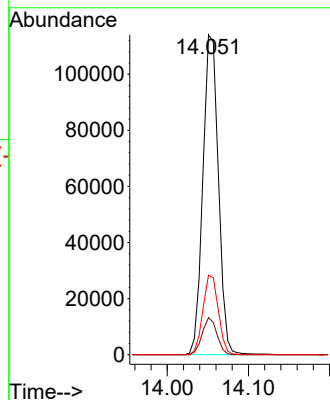
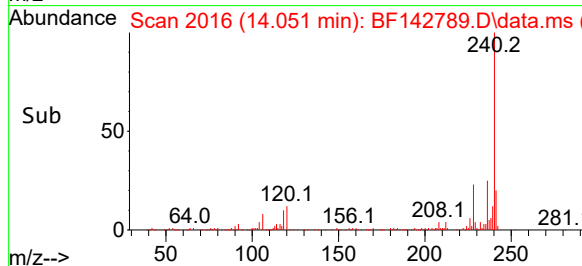


#76
Chrysene-d12
Concen: 20.000 ng
RT: 14.051 min Scan# 20
Delta R.T. -0.006 min
Lab File: BF142789.D
Acq: 19 Jun 2025 17:38

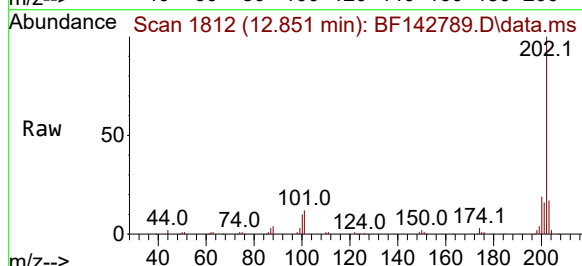
Instrument :
BNA_F
ClientSampleId :
SSTDICC005



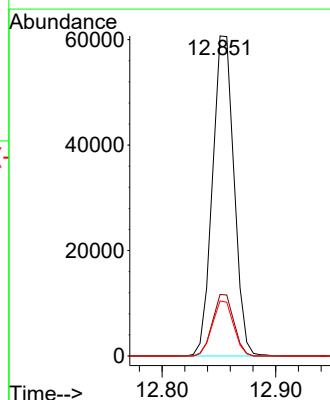
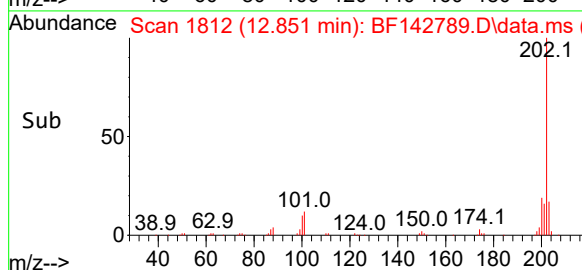
Tgt Ion:240 Resp: 151689
Ion Ratio Lower Upper
240 100
120 11.5 8.2 12.2
236 24.9 19.8 29.8

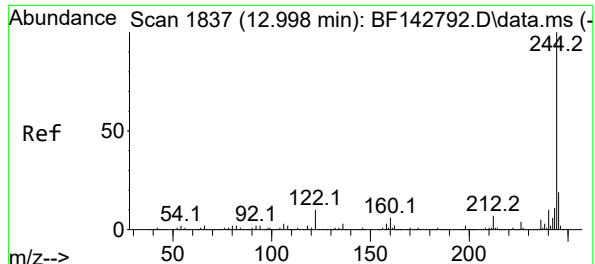


#78
Pyrene
Concen: 5.739 ng
RT: 12.851 min Scan# 1812
Delta R.T. -0.006 min
Lab File: BF142789.D
Acq: 19 Jun 2025 17:38



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

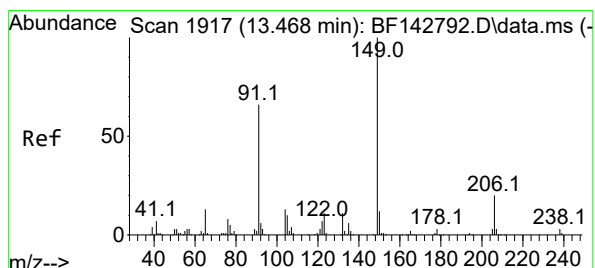
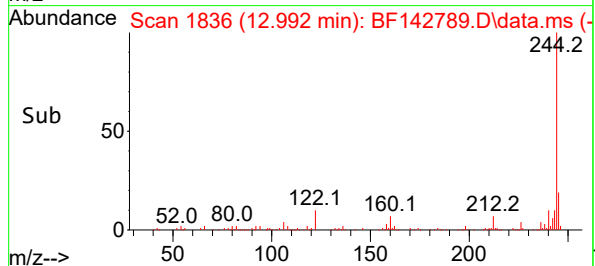
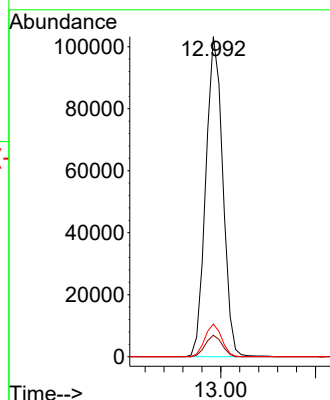
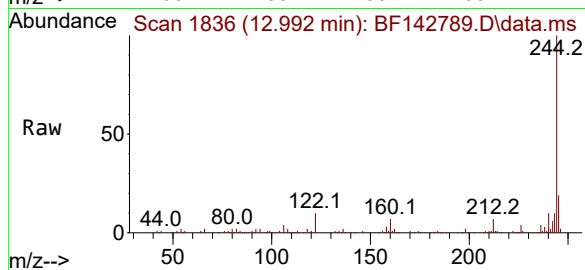
Tgt Ion:244 Resp: 128289

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

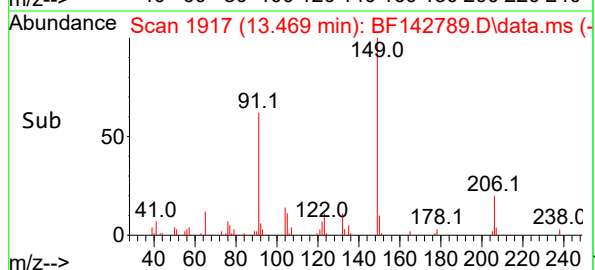
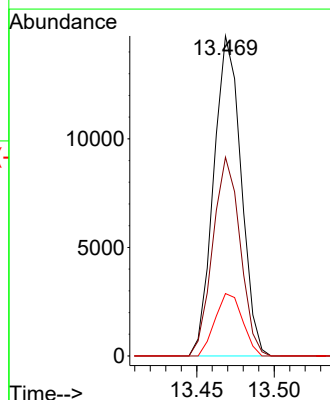
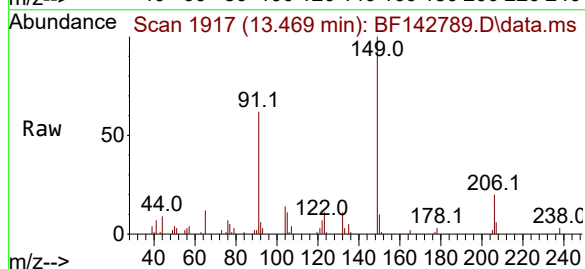
Tgt Ion:149 Resp: 18113

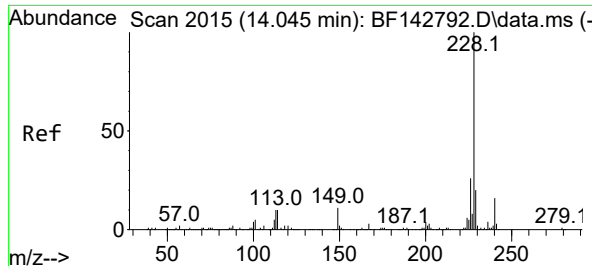
Ion Ratio Lower Upper

149 100

91 62.1 52.9 79.3

206 19.5 16.3 24.5

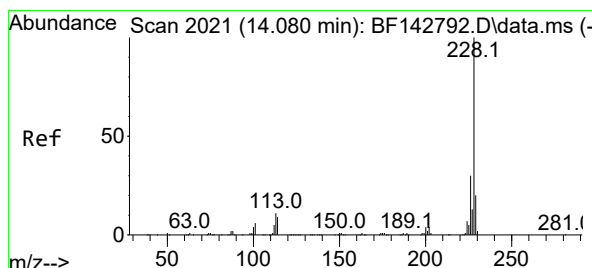
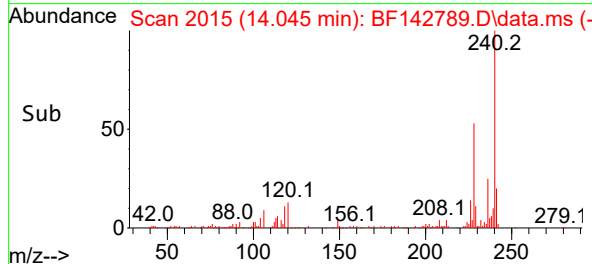
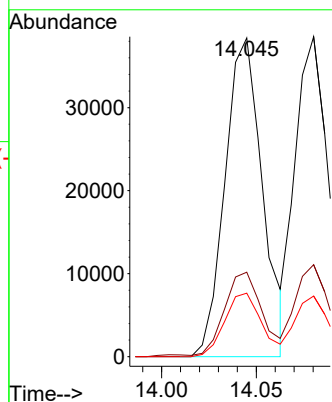
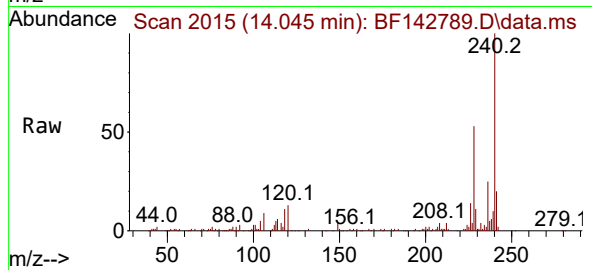




#81
Benzo(a)anthracene
Concen: 5.300 ng
RT: 14.045 min Scan# 2015
Delta R.T. 0.000 min
Lab File: BF142789.D
Acq: 19 Jun 2025 17:38

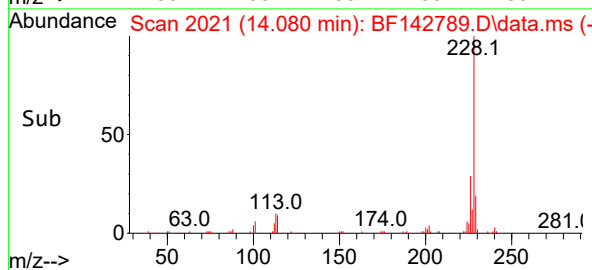
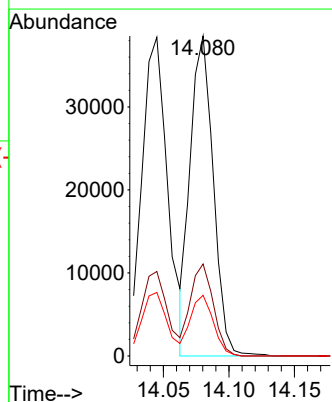
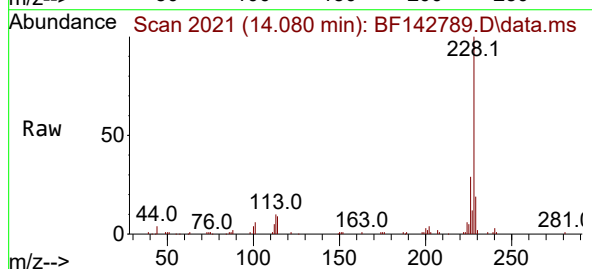
Instrument :
BNA_F
ClientSampleId :
SSTDICC005

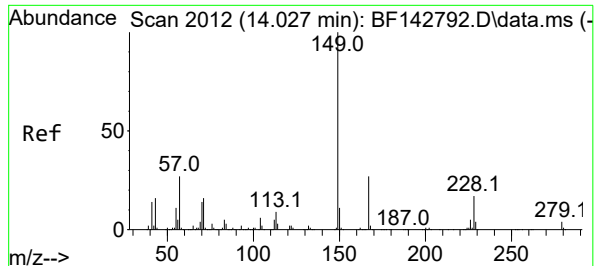
Tgt Ion:228 Resp: 52785
Ion Ratio Lower Upper
228 100
226 26.5 21.2 31.8
229 19.9 15.6 23.4



#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

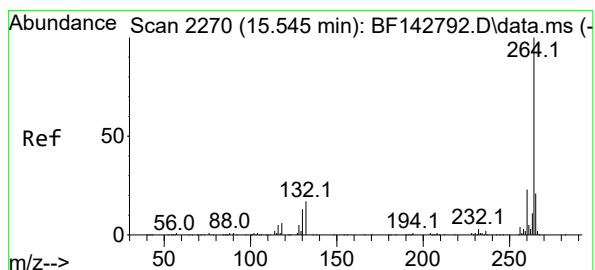
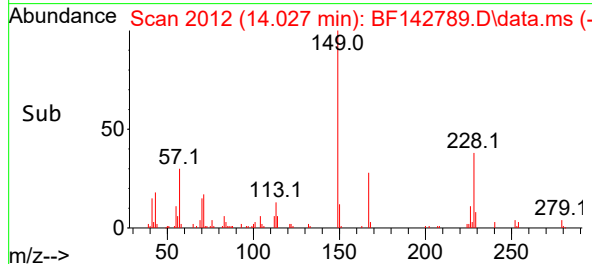
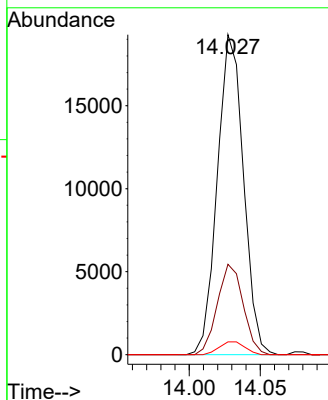
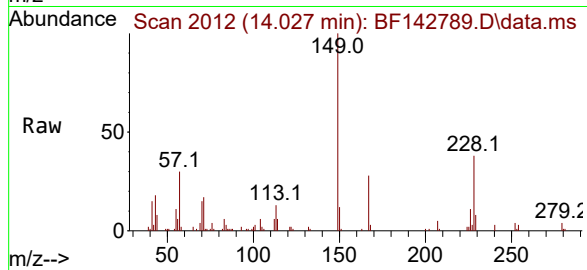




#84
Bis(2-ethylhexyl)phthalate
Concen: 4.002 ng
RT: 14.027 min Scan# 2012
Delta R.T. 0.000 min
Lab File: BF142789.D
Acq: 19 Jun 2025 17:38

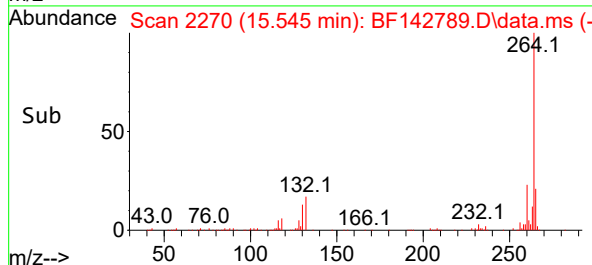
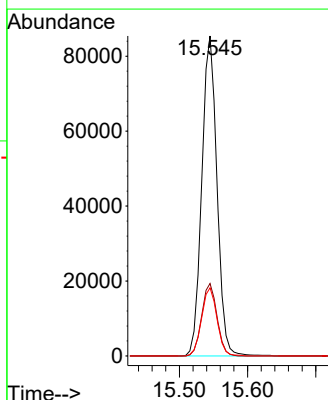
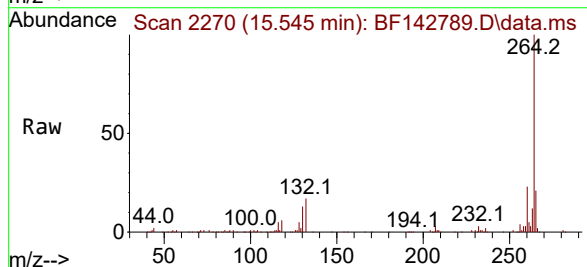
Instrument :
BNA_F
ClientSampleId :
SSTDICC005

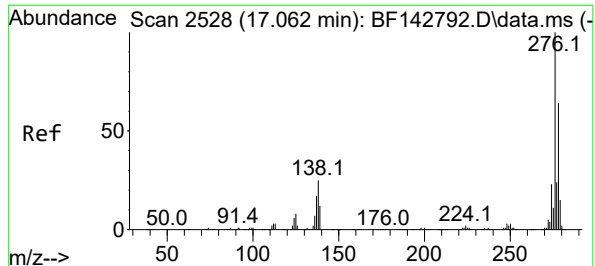
Tgt Ion	Ratio	Lower	Upper
149	100		
167	28.3	21.4	32.0
279	4.0	3.0	4.6



#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

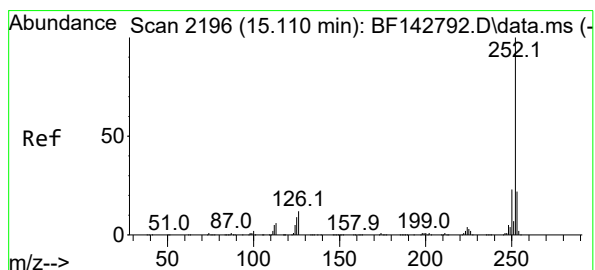
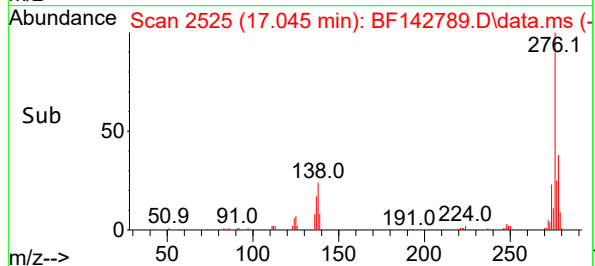
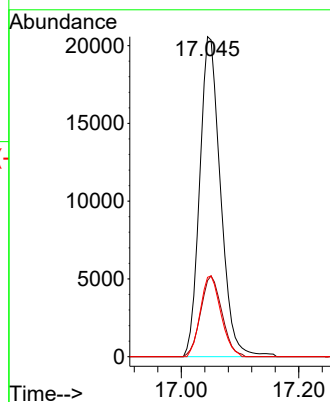
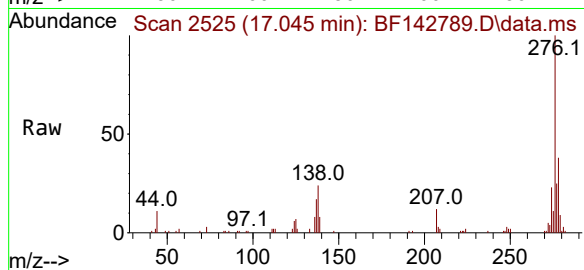
Tgt Ion:276 Resp: 50546

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

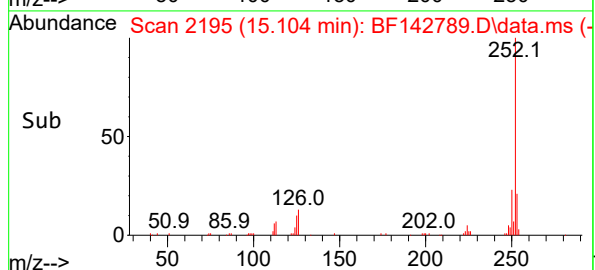
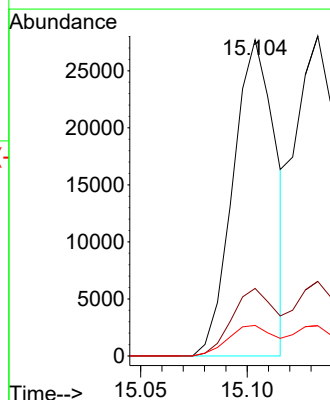
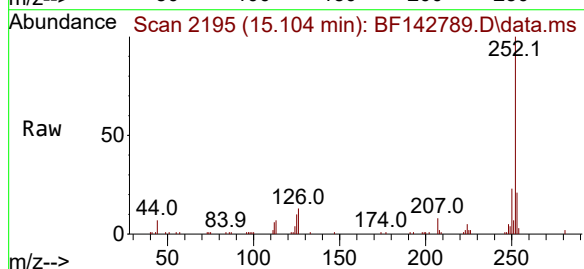
Tgt Ion:252 Resp: 38493

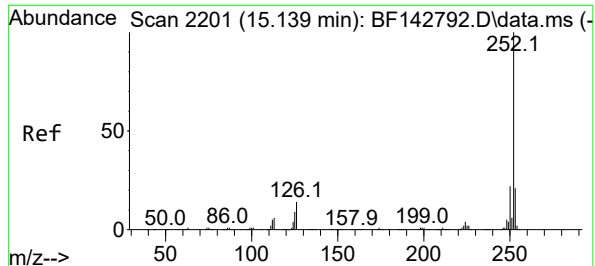
Ion Ratio Lower Upper

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

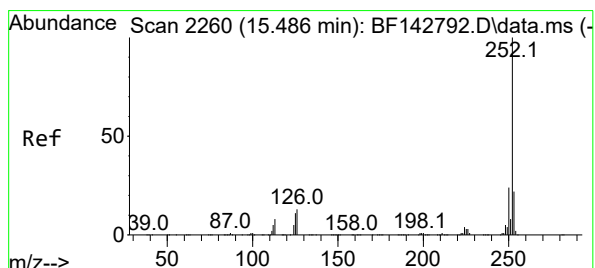
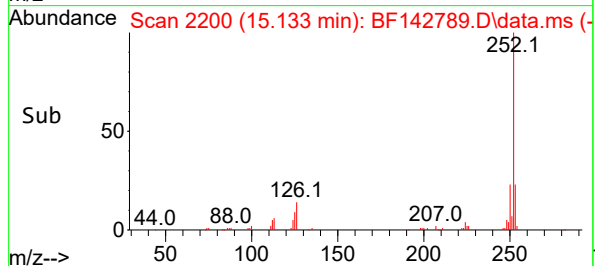
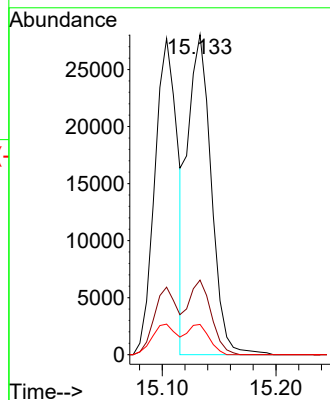
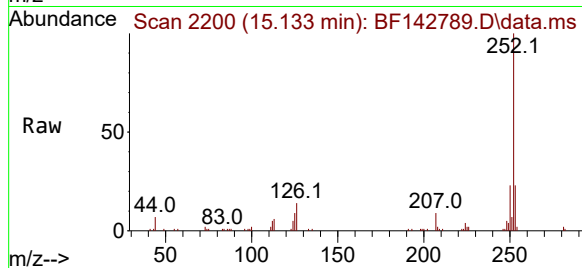
Tgt Ion:252 Resp: 39874

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

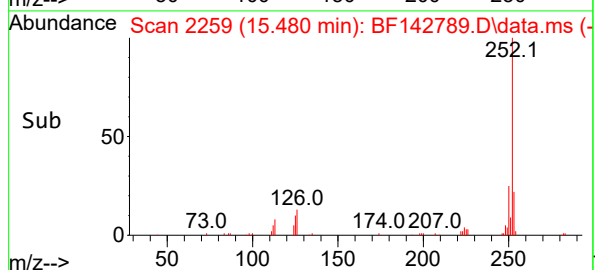
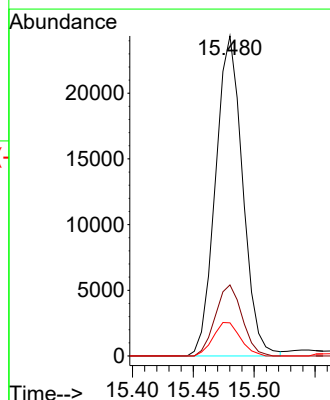
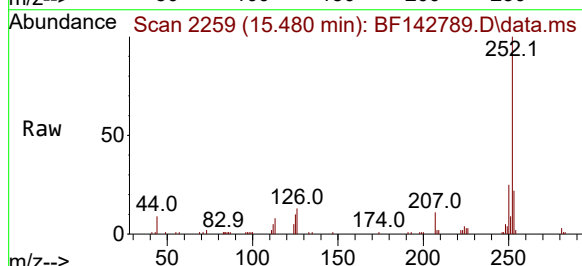
Tgt Ion:252 Resp: 37779

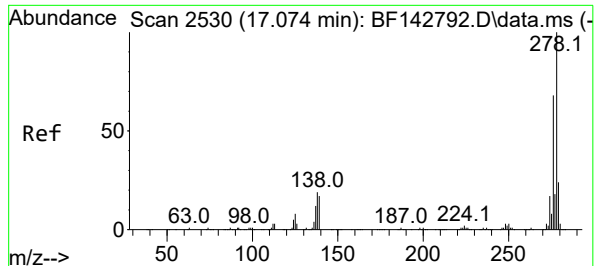
Ion Ratio Lower Upper

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 :

SSTDIC005

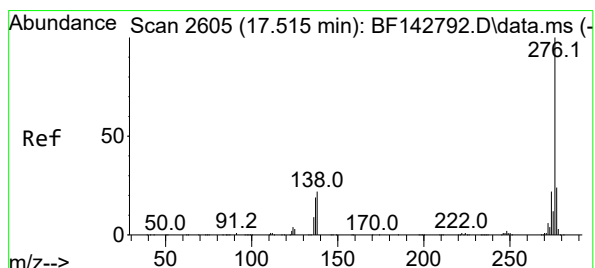
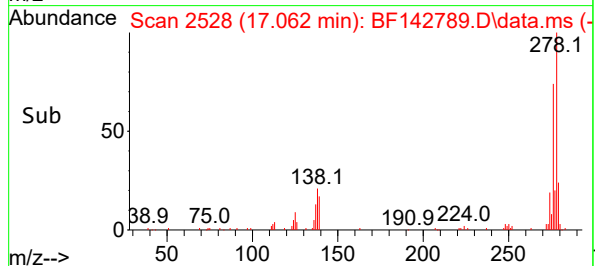
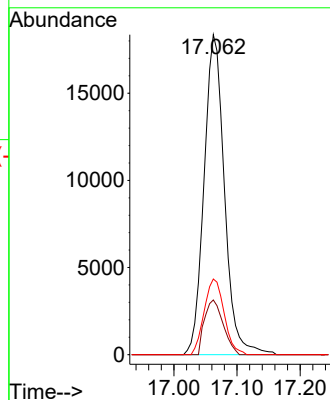
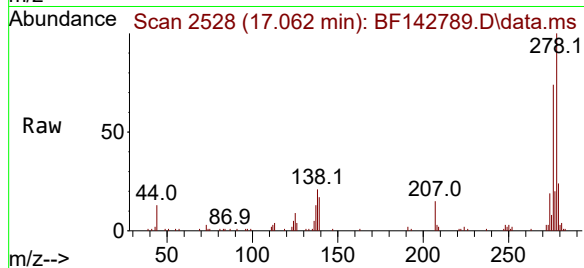
Tgt Ion:278 Resp: 41301

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

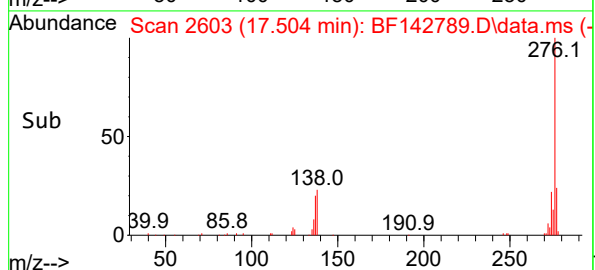
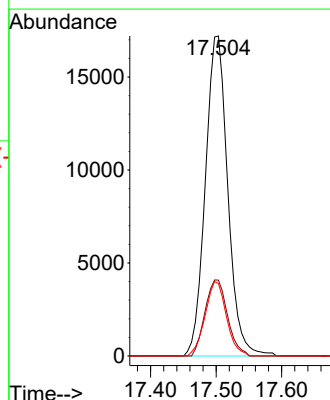
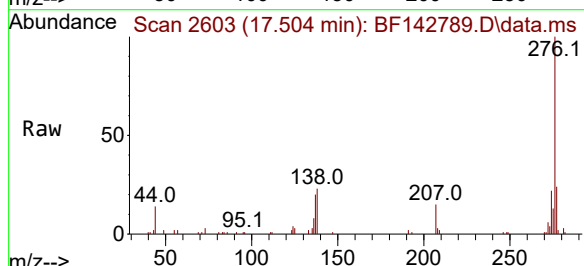
Tgt Ion:276 Resp: 40975

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

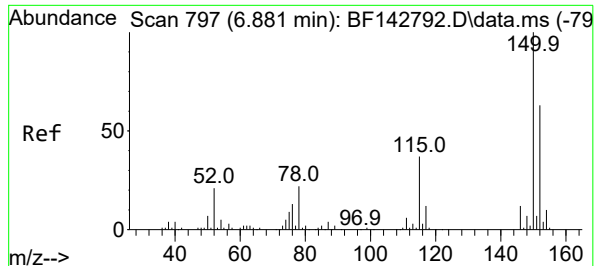
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 Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF061925.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Fri Jun 20 04:36:38 2025
 Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
44) 2,4,5-Trichlorophenol	9.192	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

Instrument :
BNA_F
ClientSampleId :
SSTDICC010

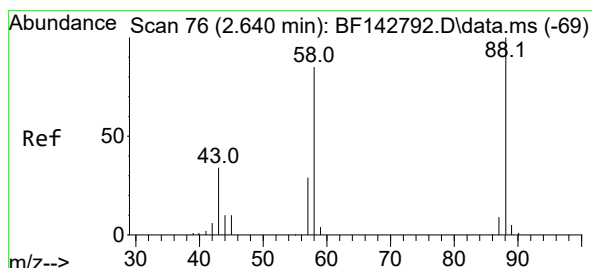
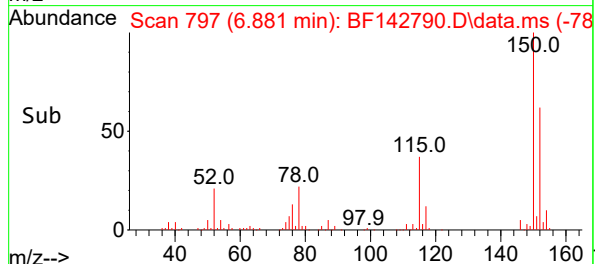
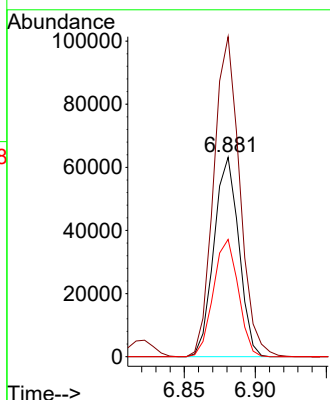
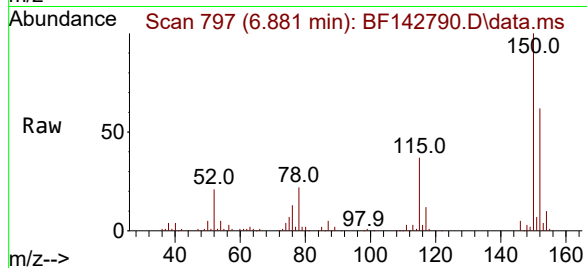
[illegible]



#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

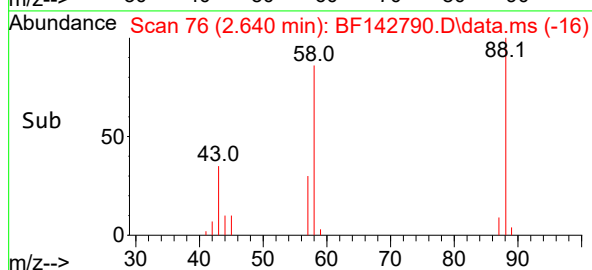
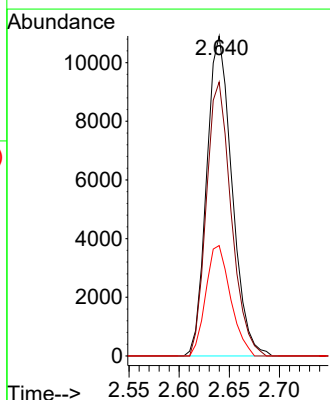
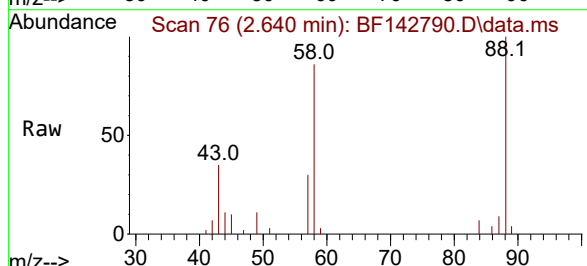
Instrument :
BNA_F
ClientSampleId :
SSTDICC010

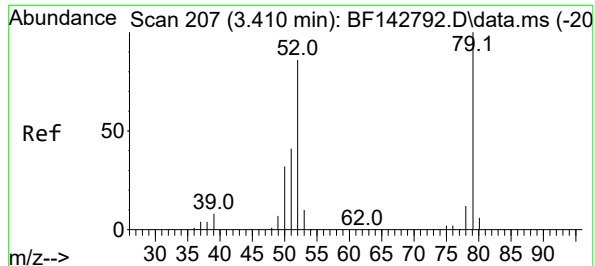
Tgt Ion:152 Resp: 76918
Ion Ratio Lower Upper
152 100
150 160.5 127.2 190.8
115 58.8 46.6 69.8



#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

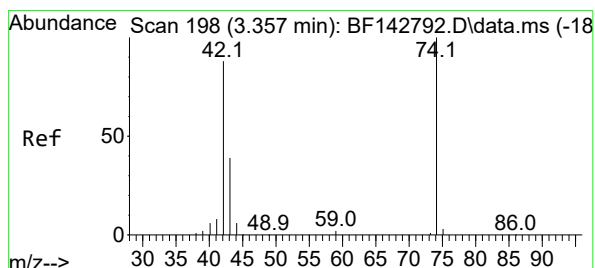
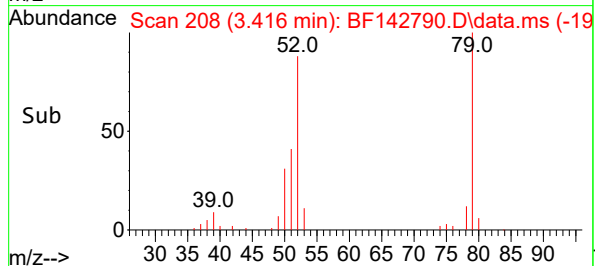
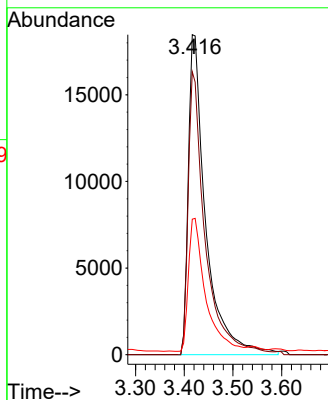
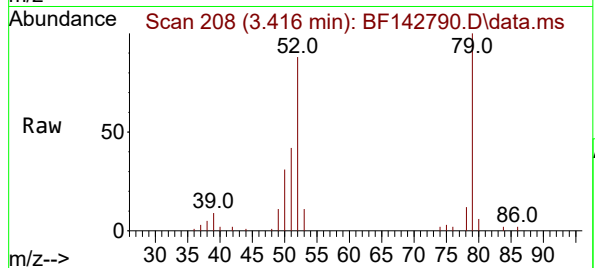
Tgt Ion: 79 Resp: 45966

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

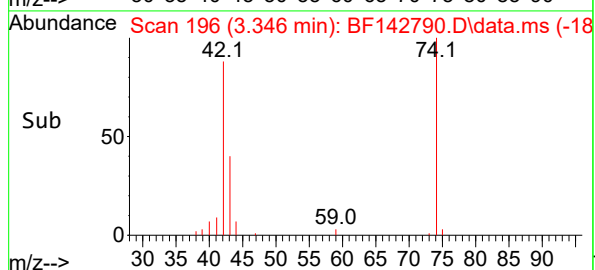
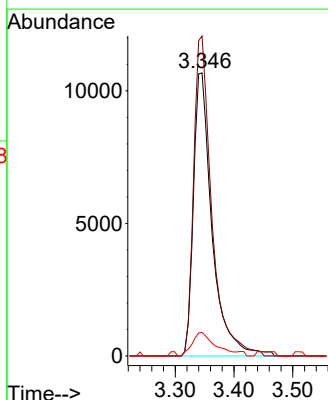
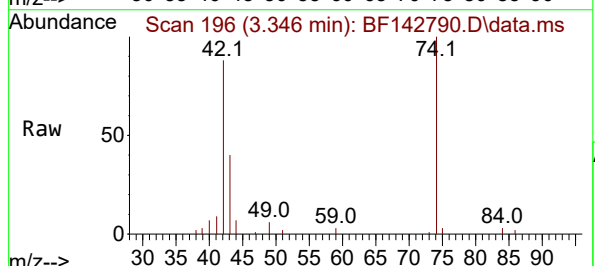
Tgt Ion: 42 Resp: 23459

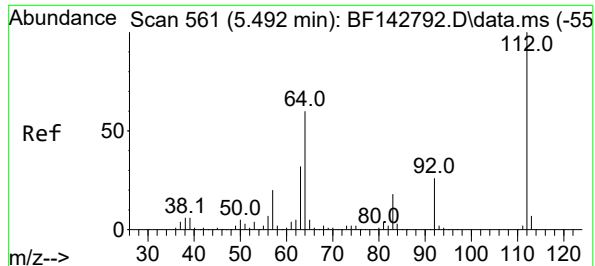
Ion Ratio Lower Upper

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# 501

Delta R.T. 0.000 min

Lab File: BF142790.D

Acq: 19 Jun 2025 18:08

Instrument :

BNA_F

ClientSampleId :

SSTDICC010

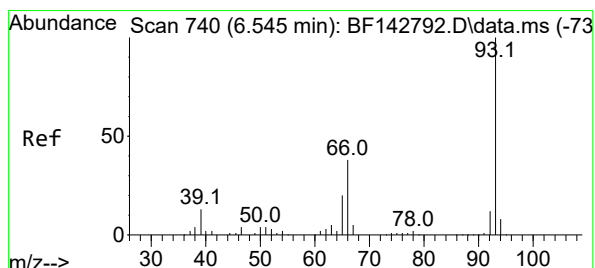
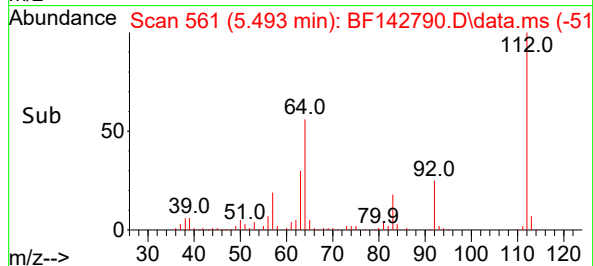
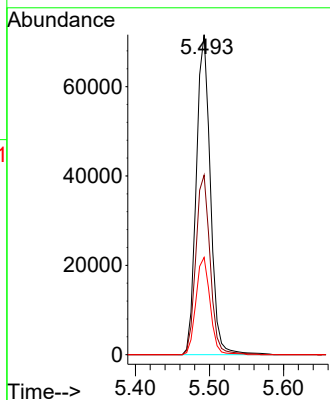
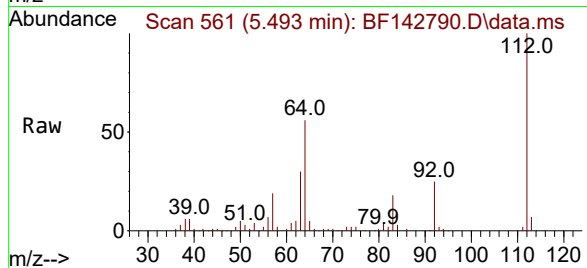
Tgt Ion:112 Resp: 94601

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

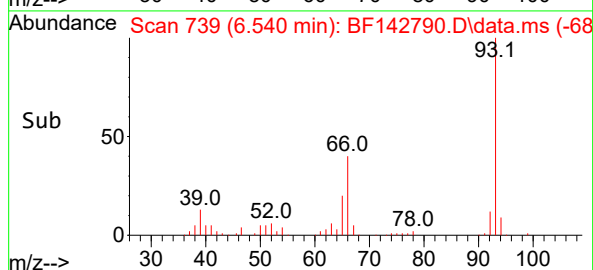
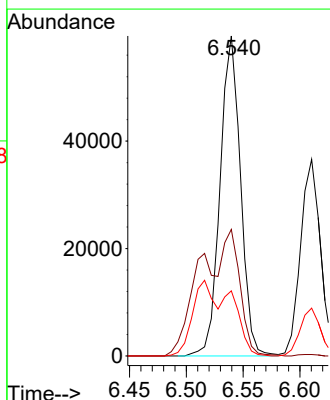
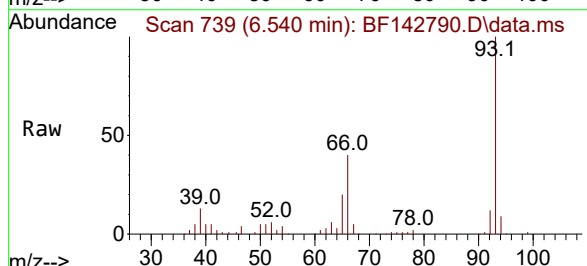
Tgt Ion: 93 Resp: 74779

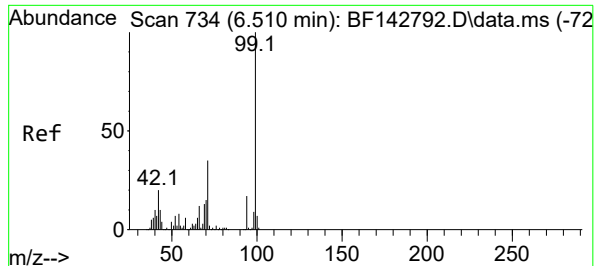
Ion Ratio Lower Upper

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

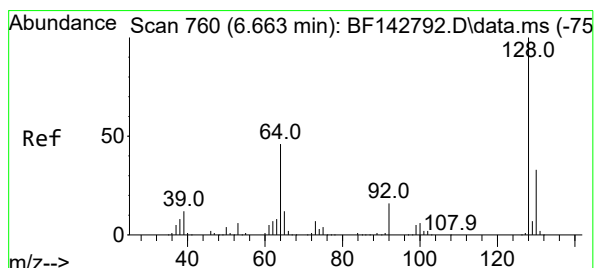
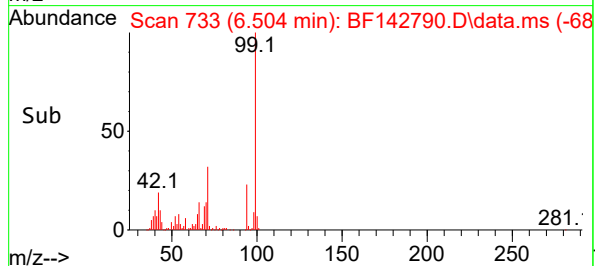
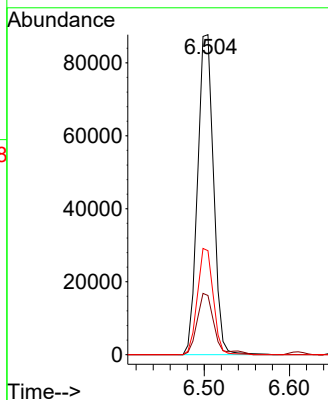
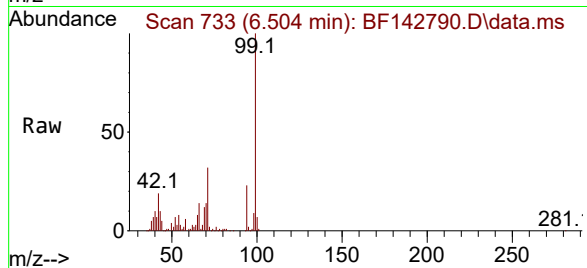
Tgt Ion: 99 Resp: 113910

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

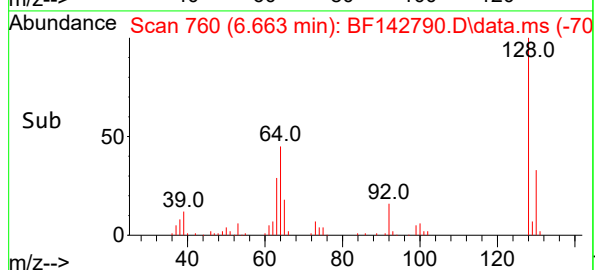
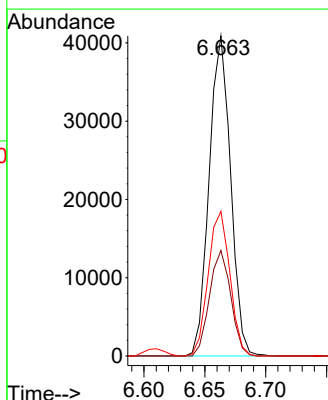
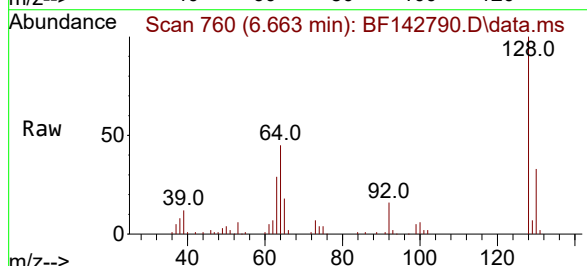
Tgt Ion:128 Resp: 50128

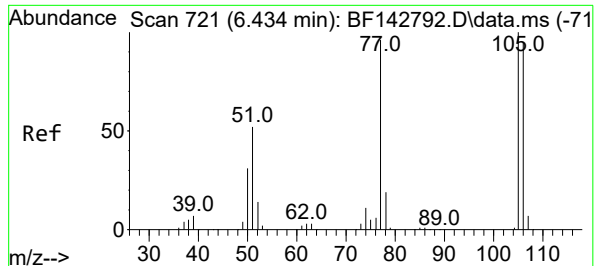
Ion Ratio Lower Upper

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

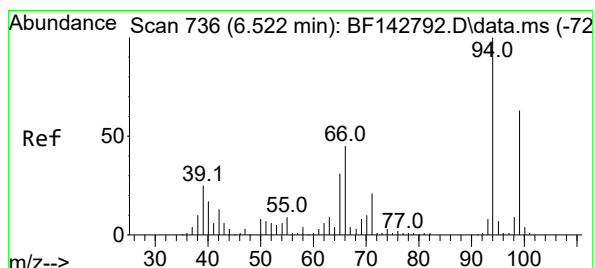
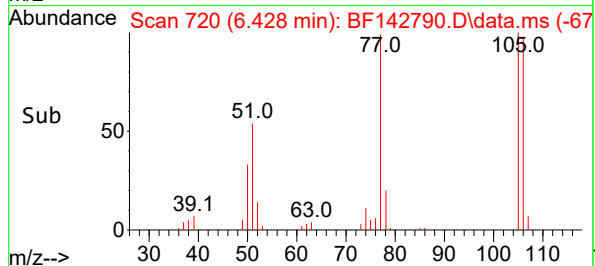
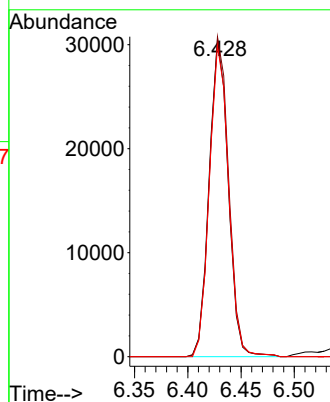
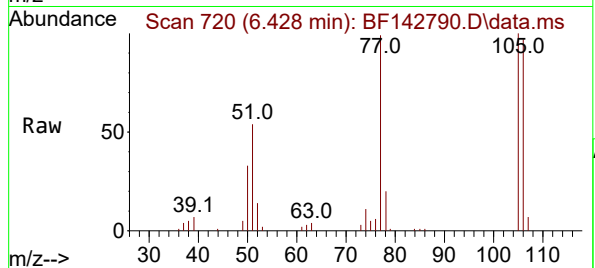
Tgt Ion: 77 Resp: 37993

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

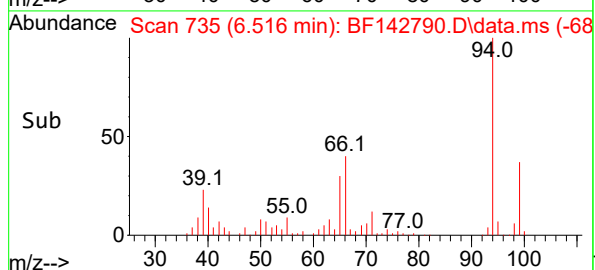
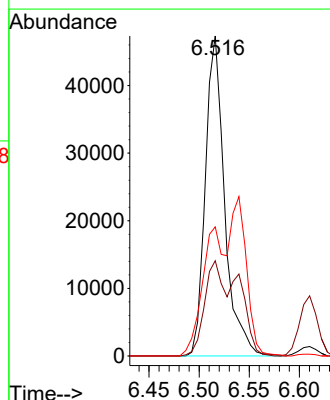
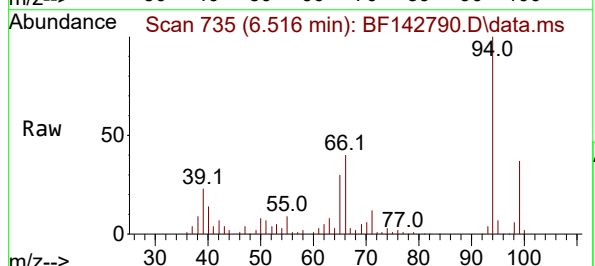
Tgt Ion: 94 Resp: 63585

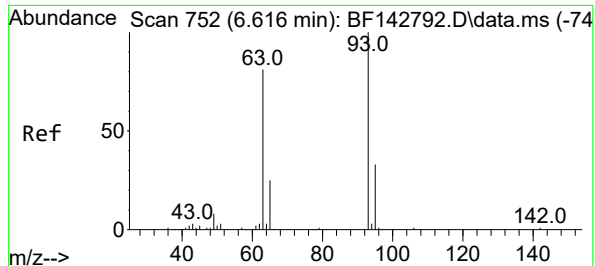
Ion Ratio Lower Upper

94 100

65 29.8 11.3 51.3

66 40.3 24.9 64.9

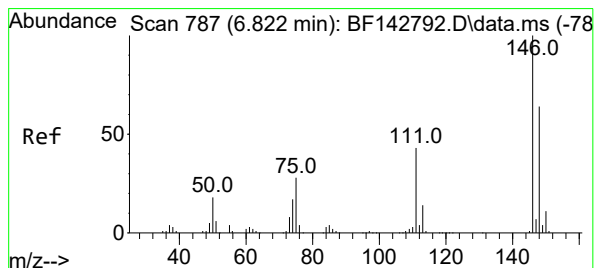
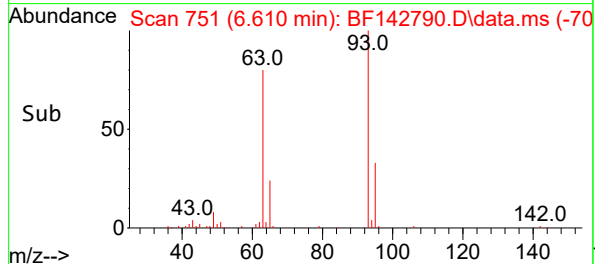
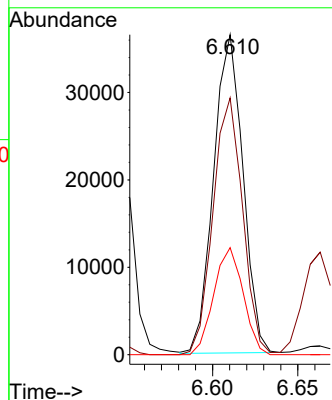
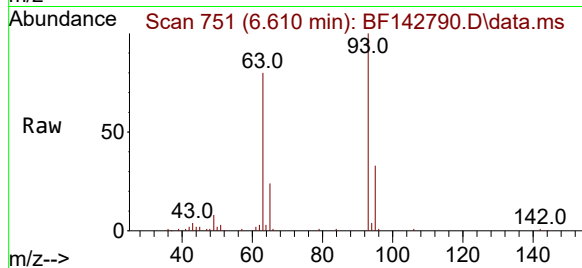




#11
bis(2-Chloroethyl)ether
Concen: 9.950 ng
RT: 6.610 min Scan# 751
Delta R.T. -0.006 min
Lab File: BF142790.D
Acq: 19 Jun 2025 18:08

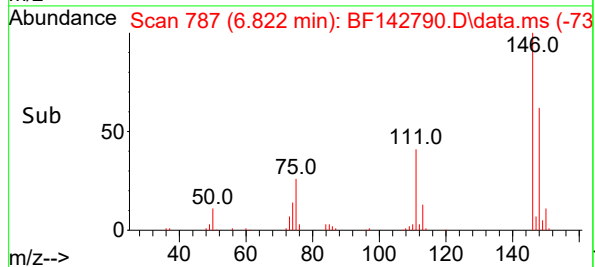
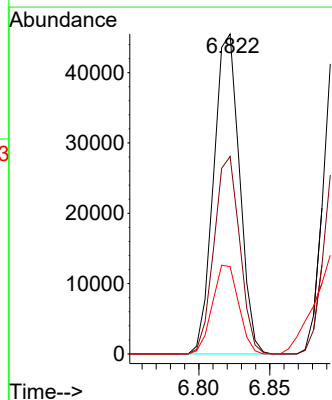
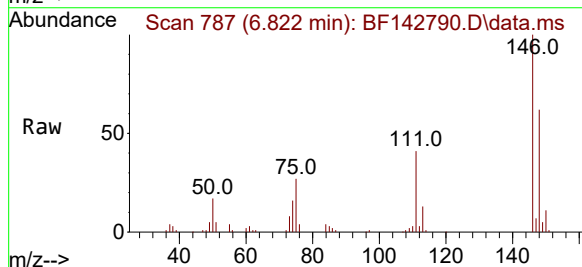
Instrument :
BNA_F
ClientSampleId :
SSTDICC010

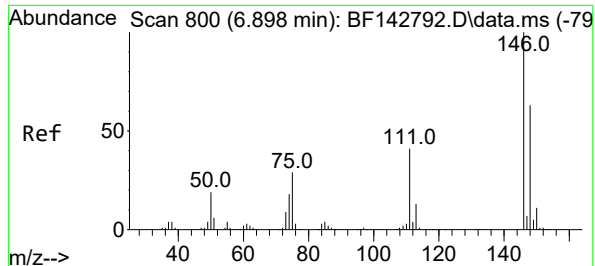
Tgt Ion:	93	Resp:	43585
Ion	Ratio	Lower	Upper
93	100		
63	80.2	60.3	100.3
95	33.5	12.5	52.5



#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

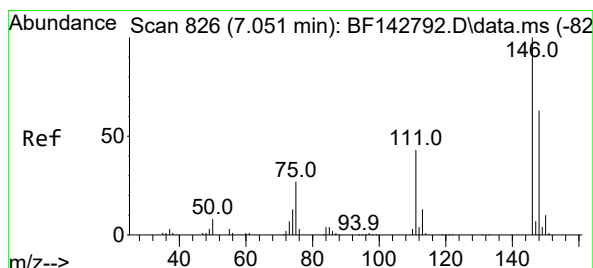
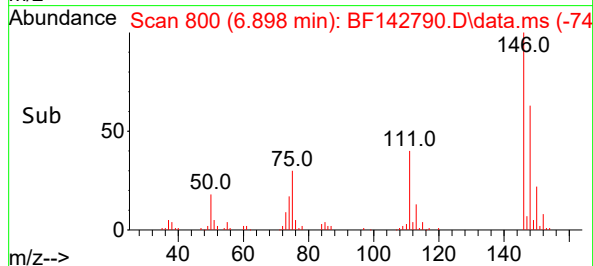
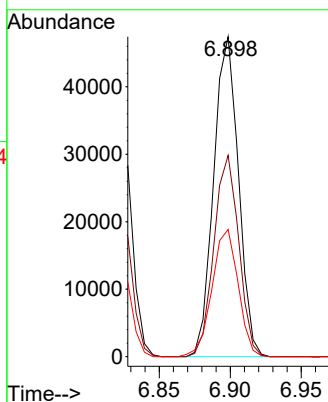
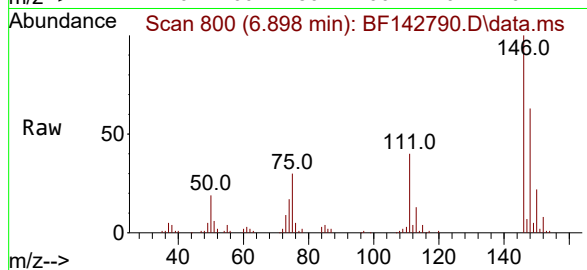
Tgt Ion:146 Resp: 57522

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

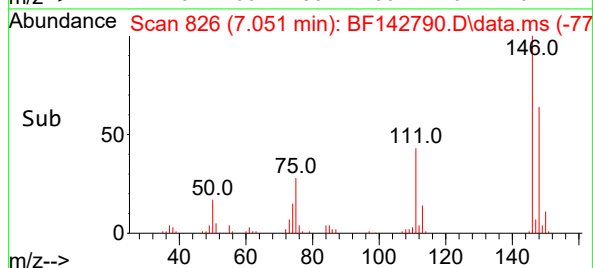
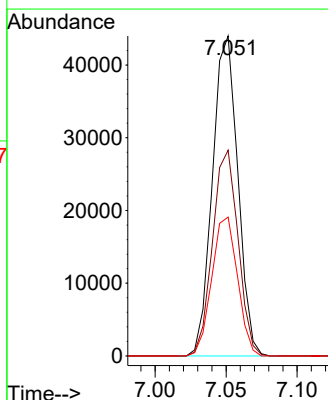
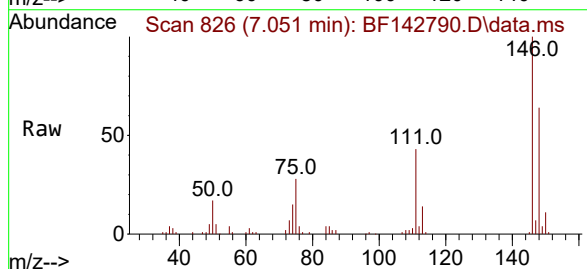
Tgt Ion:146 Resp: 54672

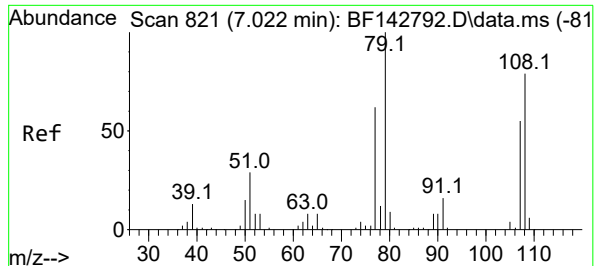
Ion Ratio Lower Upper

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 :

SSTDICC010

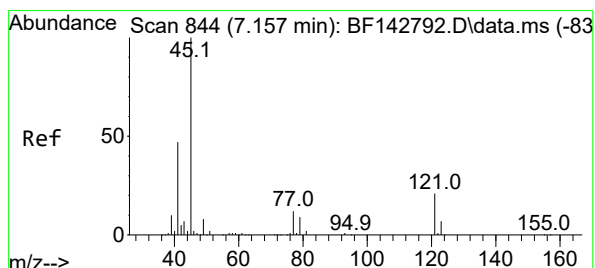
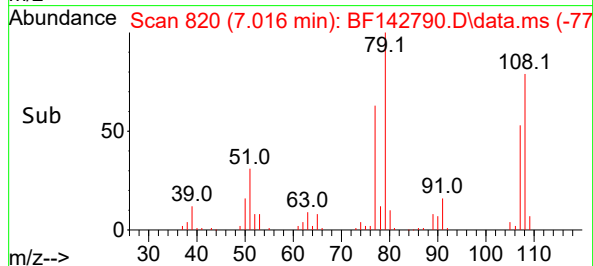
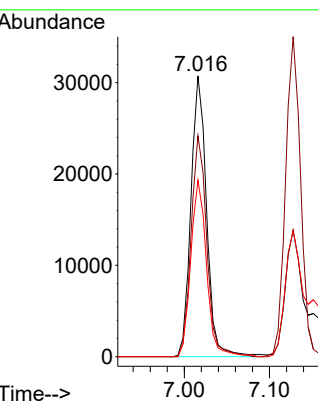
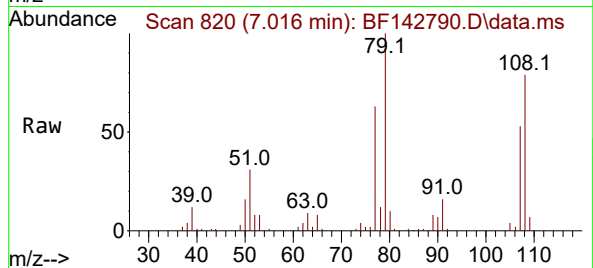
Tgt Ion: 79 Resp: 39348

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

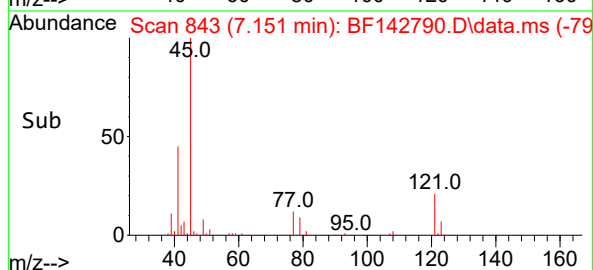
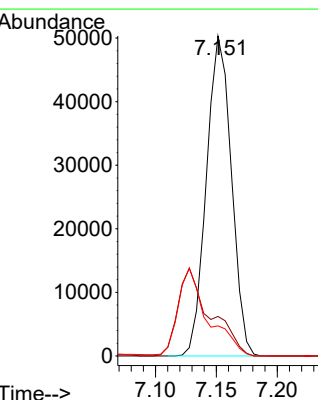
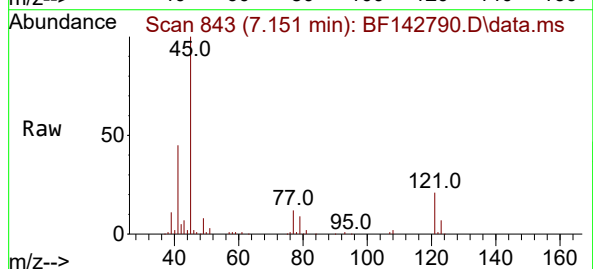
Tgt Ion: 45 Resp: 71897

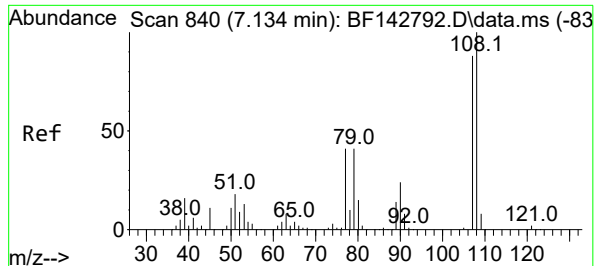
Ion Ratio Lower Upper

45 100

77 12.4 0.0 32.8

79 9.4 0.0 29.8

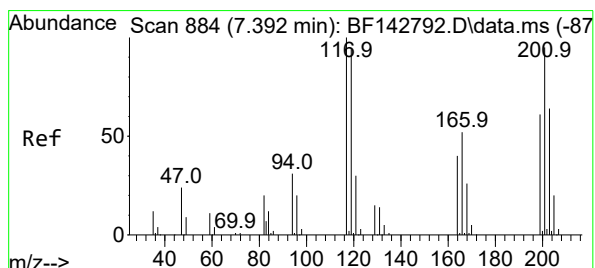
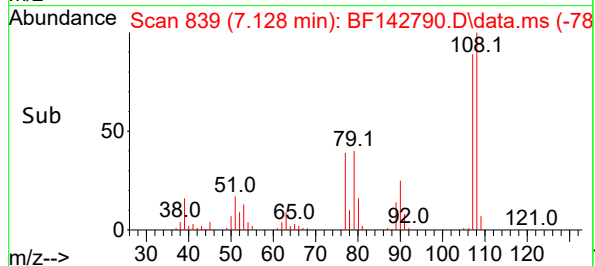
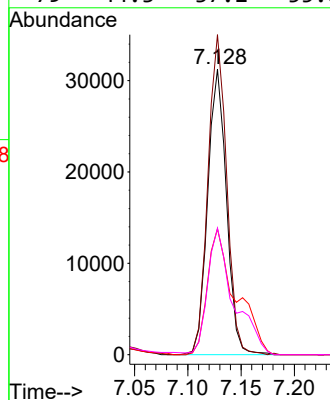
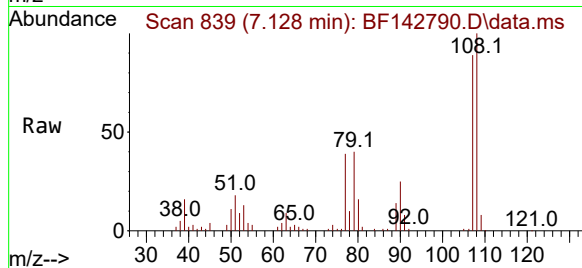




#17
2-Methylphenol
Concen: 10.217 ng
RT: 7.128 min Scan# 81
Delta R.T. -0.006 min
Lab File: BF142790.D
Acq: 19 Jun 2025 18:08

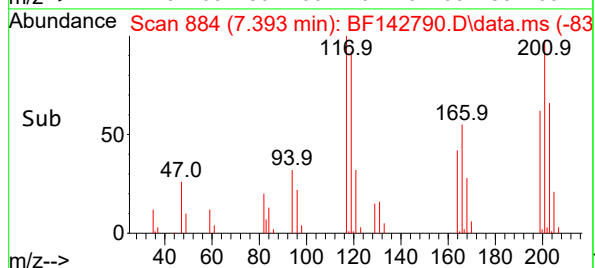
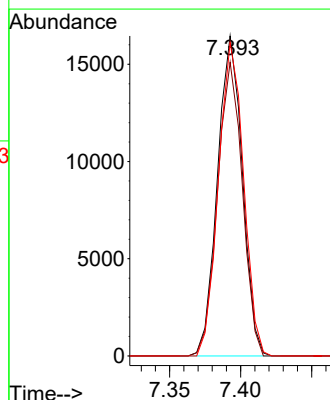
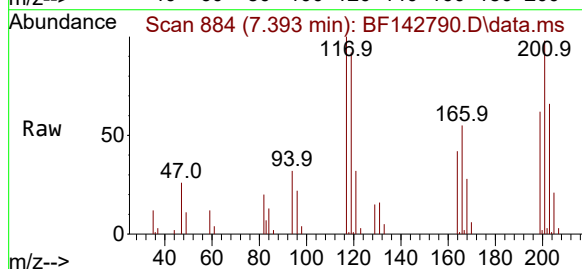
Instrument :
BNA_F
ClientSampleId :
SSTDICC010

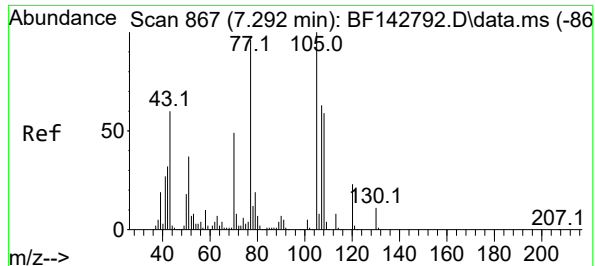
Tgt Ion:107 Resp: 38357
Ion Ratio Lower Upper
107 100
108 112.1 90.9 136.3
77 44.1 37.3 55.9
79 44.3 37.2 55.8



#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

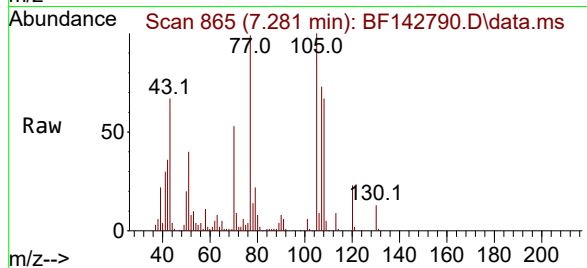
Acq: 19 Jun 2025 18:08

Instrument :

BNA_F

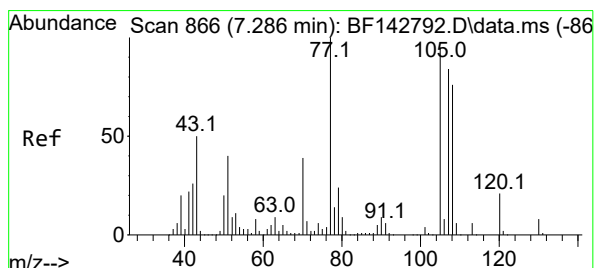
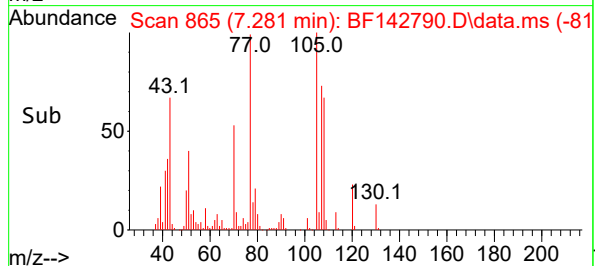
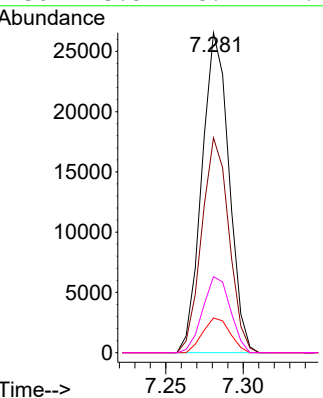
ClientSampleId :

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

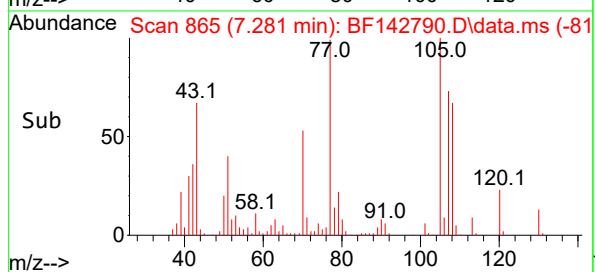
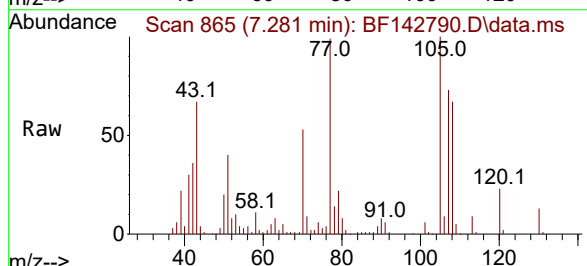
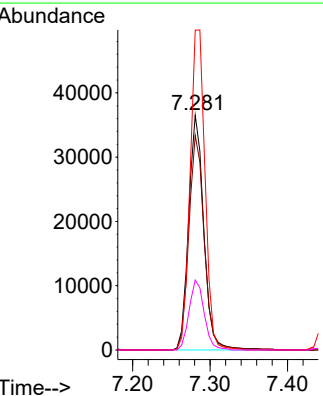
Delta R.T. -0.006 min

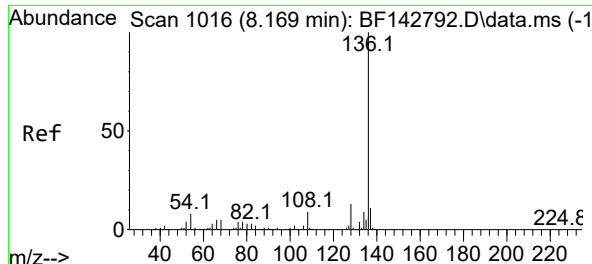
Lab File: BF142790.D

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 :

SSTDIC010

Tgt Ion:136 Resp: 299903

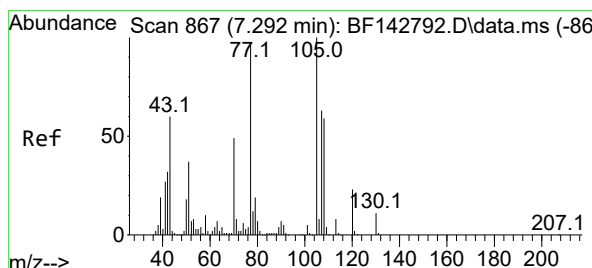
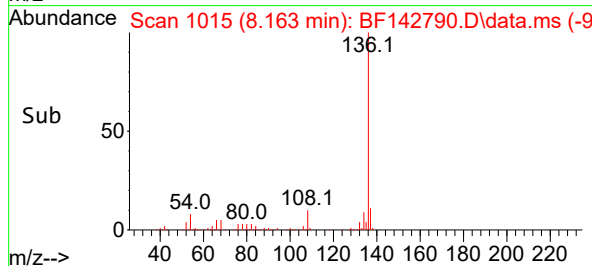
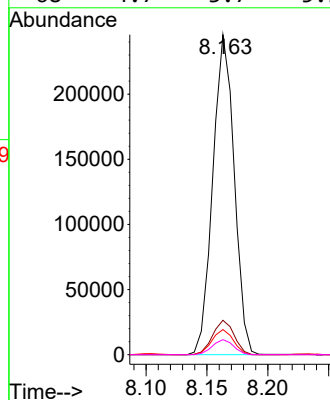
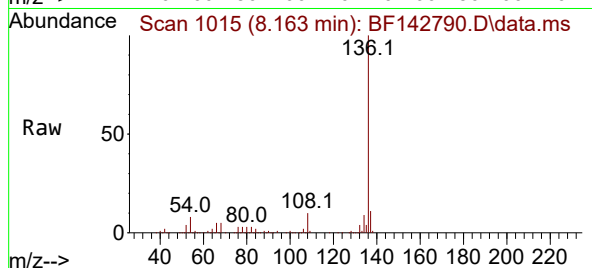
Ion Ratio Lower Upper

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

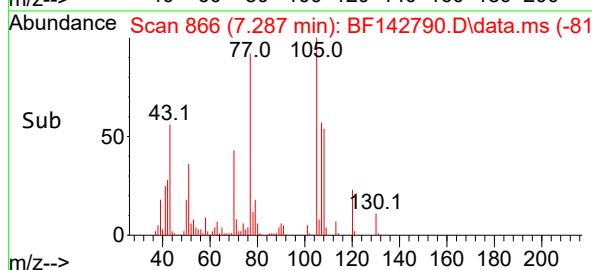
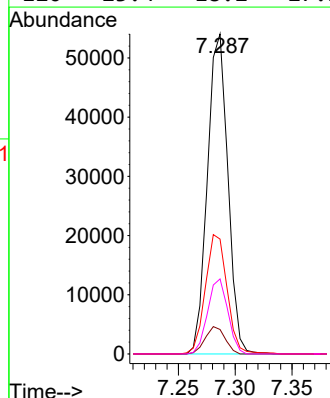
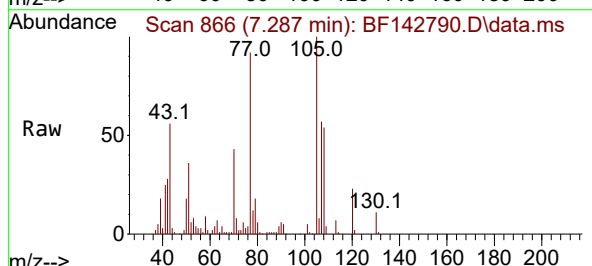
Ion Ratio Lower Upper

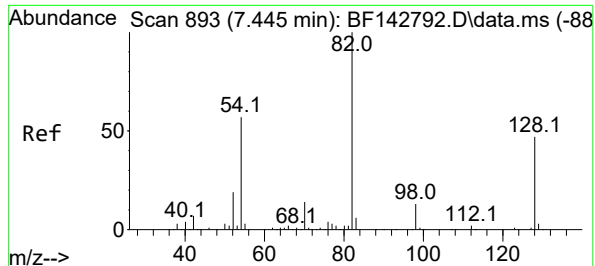
105 100

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 :

SSTDICC010

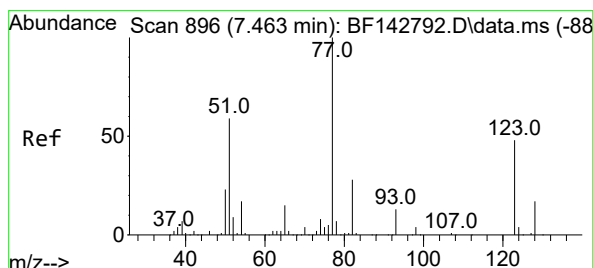
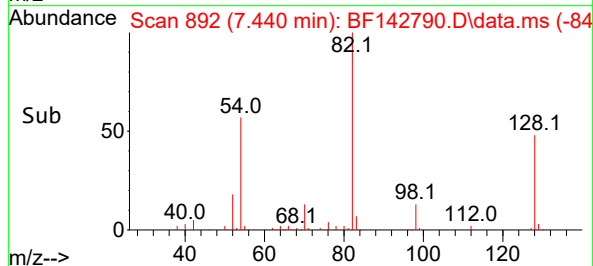
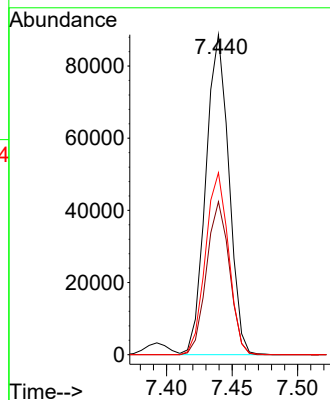
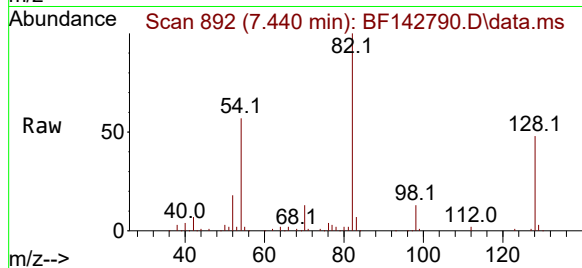
Tgt Ion: 82 Resp: 108508

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

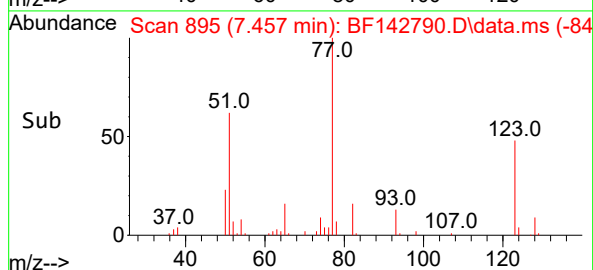
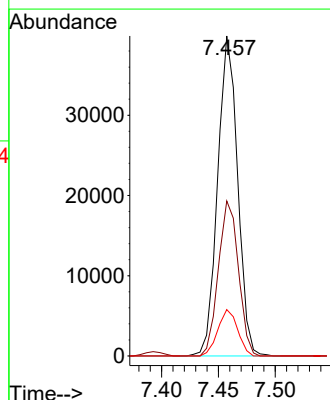
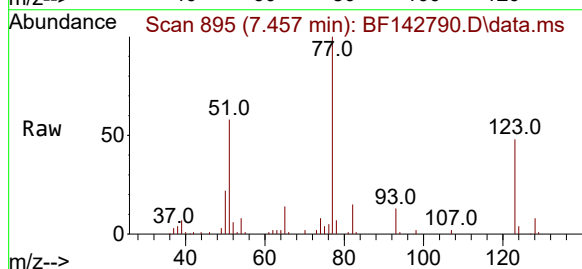
Tgt Ion: 77 Resp: 48789

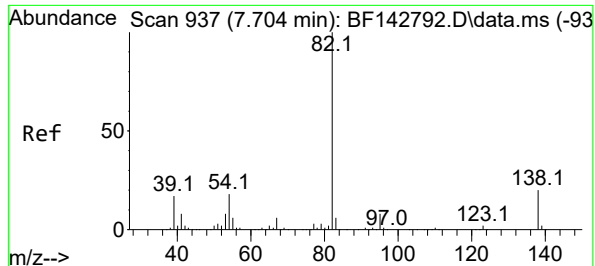
Ion Ratio Lower Upper

77 100

123 48.5 39.2 58.8

65 14.5 11.6 17.4

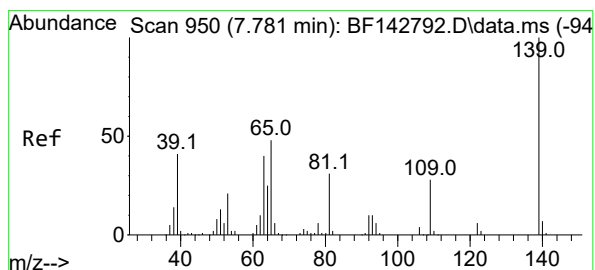
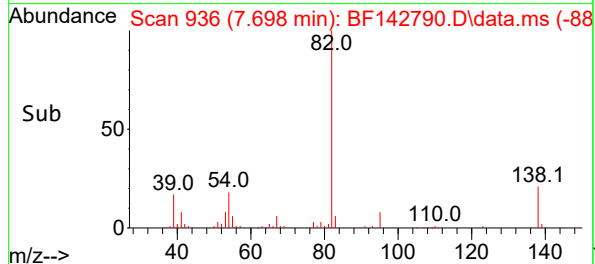
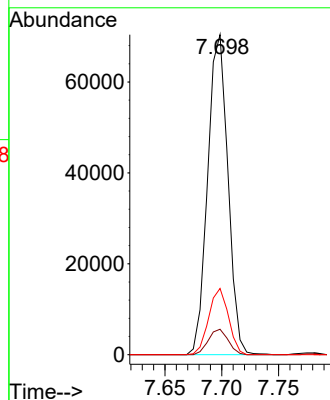
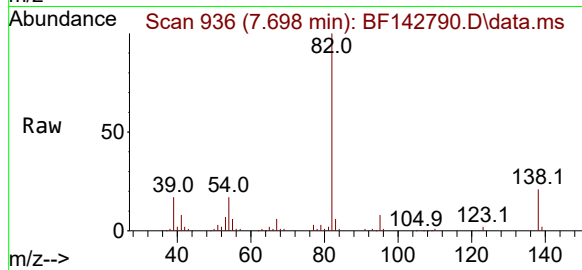




#25
Isophorone
Concen: 9.504 ng
RT: 7.698 min Scan# 91
Delta R.T. -0.006 min
Lab File: BF142790.D
Acq: 19 Jun 2025 18:08

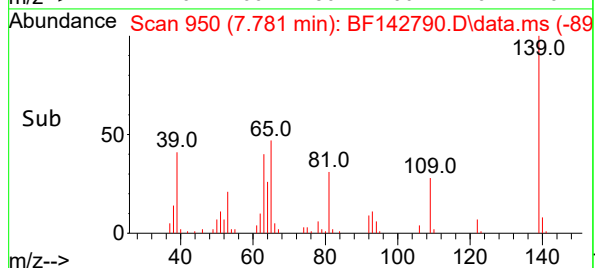
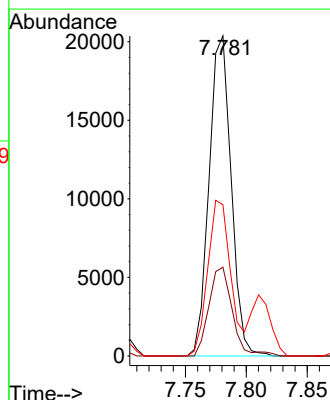
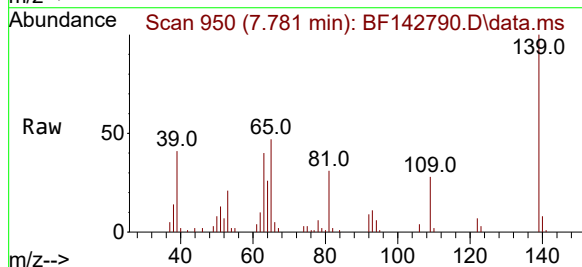
Instrument :
BNA_F
ClientSampleId :
SSTDICC010

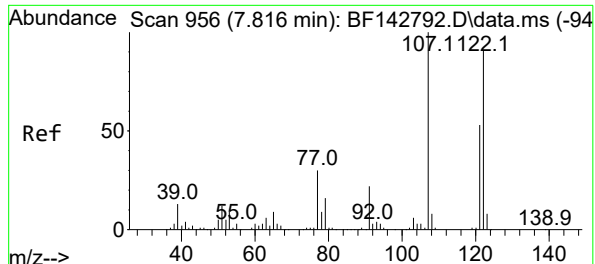
Tgt Ion: 82 Resp: 87205
Ion Ratio Lower Upper
82 100
95 8.0 6.2 9.2
138 20.7 16.2 24.4



#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

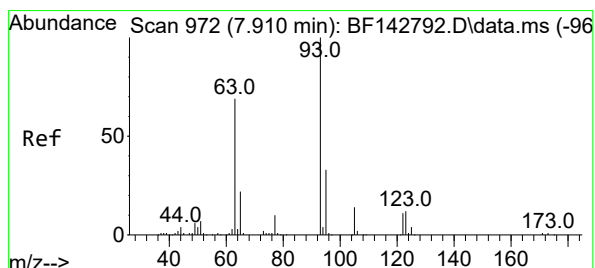
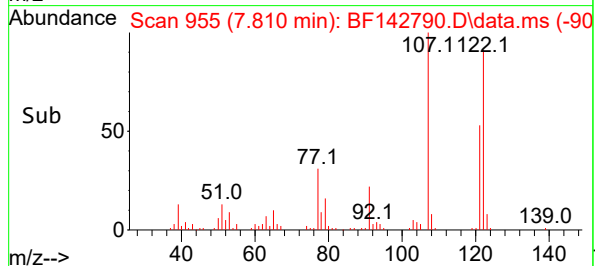
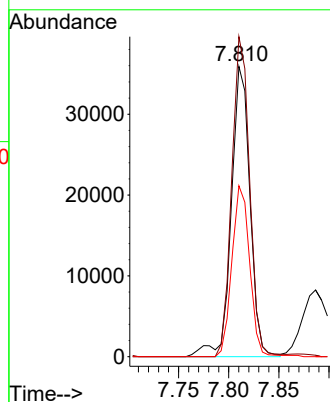
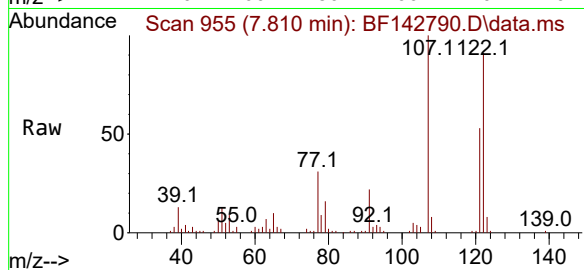
Tgt Ion:122 Resp: 46454

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

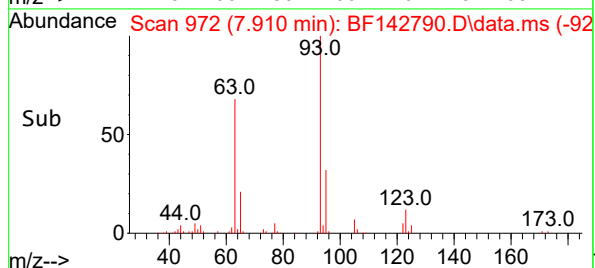
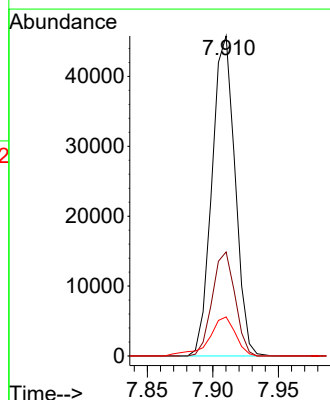
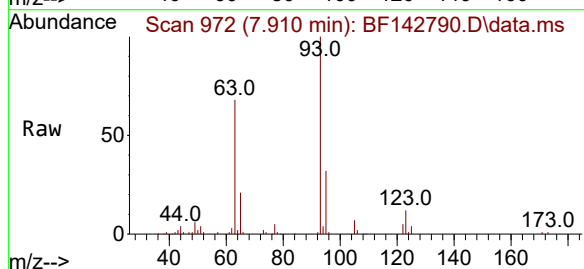
Tgt Ion: 93 Resp: 55907

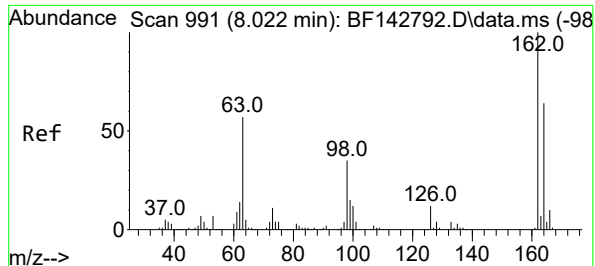
Ion Ratio Lower Upper

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 :

SSTDIC010

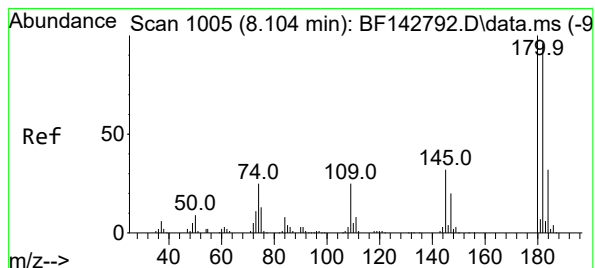
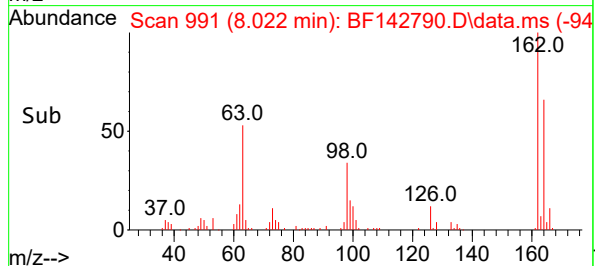
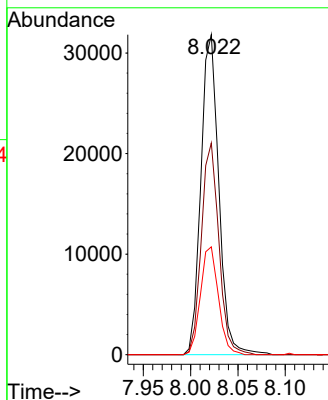
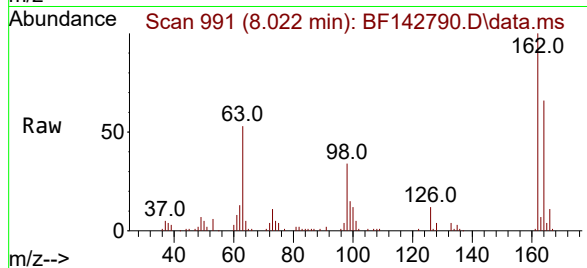
Tgt Ion:162 Resp: 41925

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

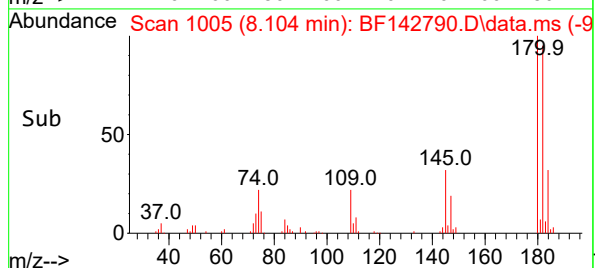
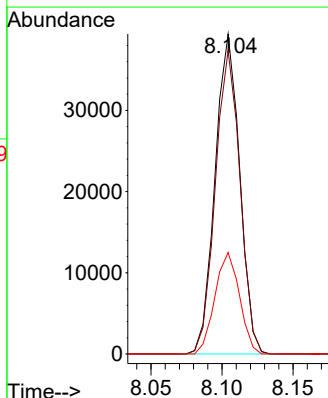
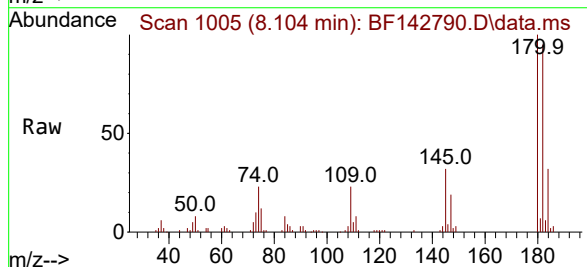
Tgt Ion:180 Resp: 47419

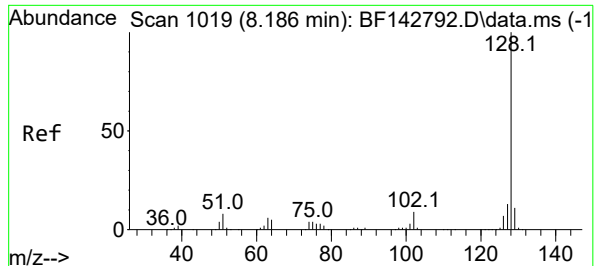
Ion Ratio Lower Upper

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

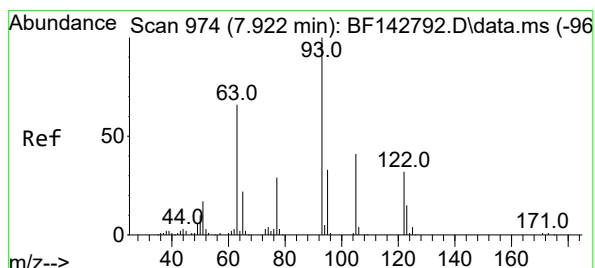
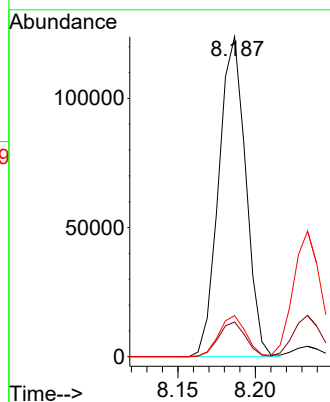
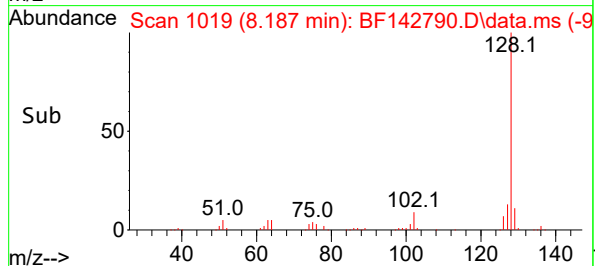
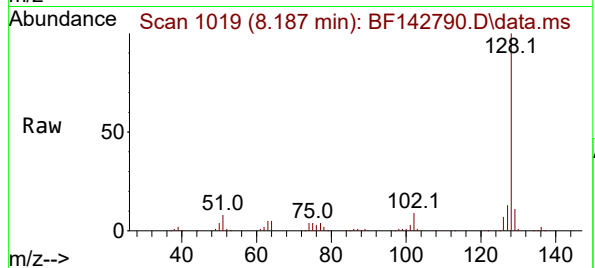
Tgt Ion:128 Resp: 150265

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

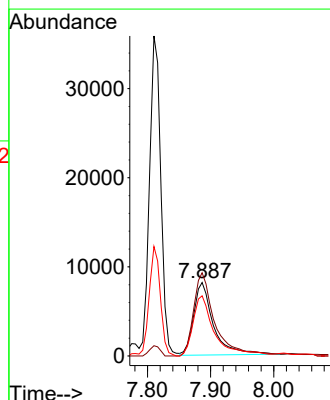
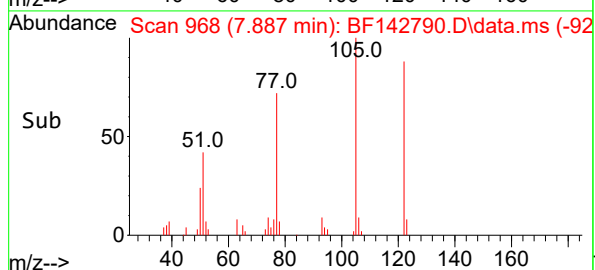
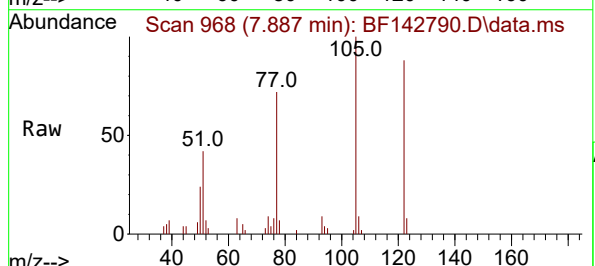
Tgt Ion:122 Resp: 17708

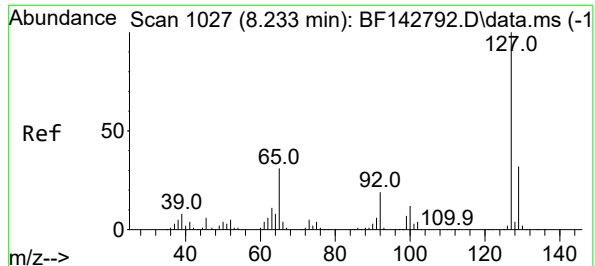
Ion Ratio Lower Upper

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

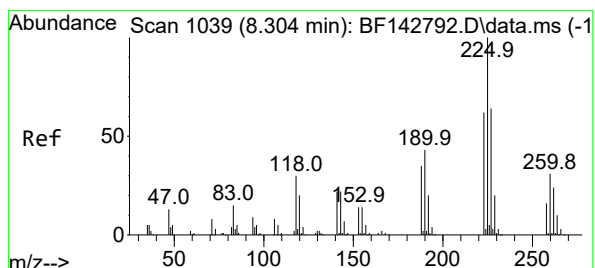
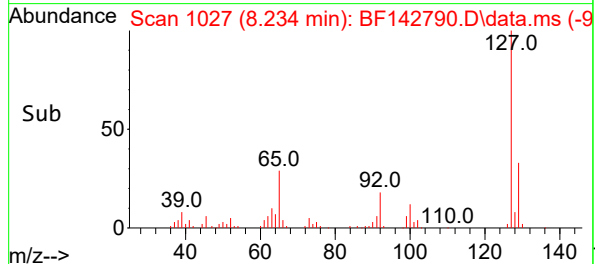
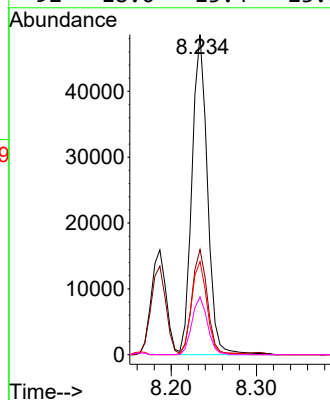
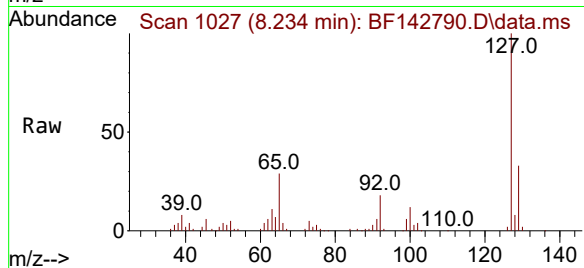
Ion Ratio Lower Upper

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

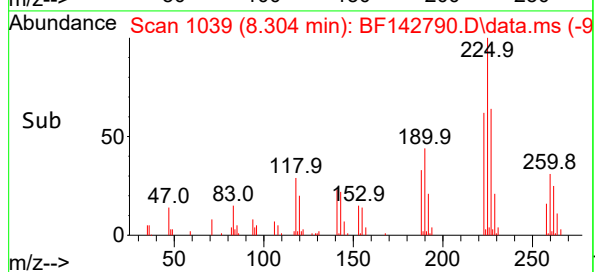
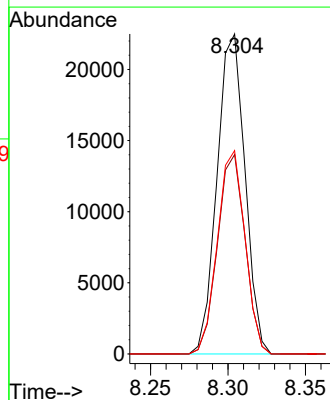
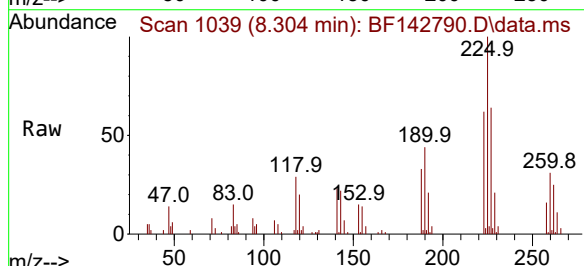
Tgt Ion:225 Resp: 28192

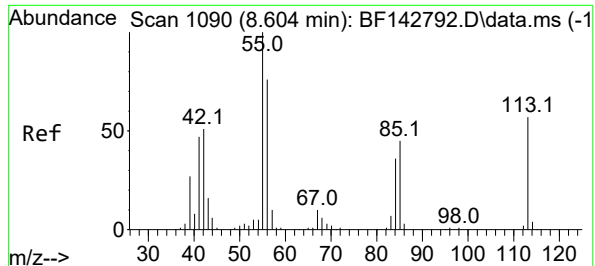
Ion Ratio Lower Upper

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# 1108

Delta R.T. -0.035 min

Lab File: BF142790.D

Acq: 19 Jun 2025 18:08

Instrument :

BNA_F

ClientSampleId :

SSTDICC010

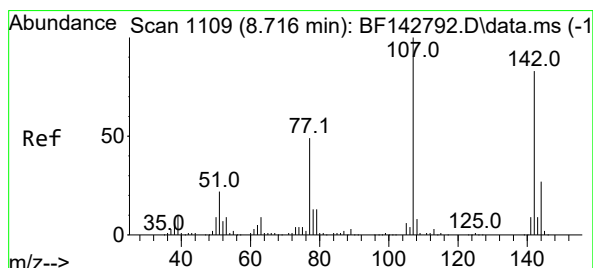
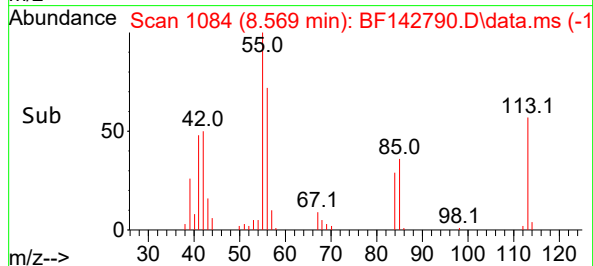
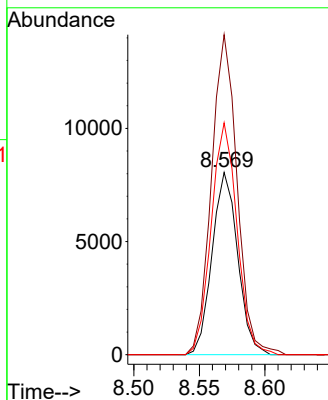
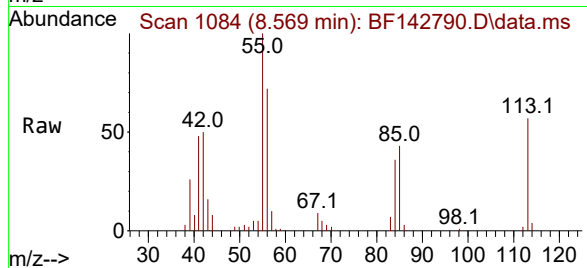
Tgt Ion:113 Resp: 10933

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

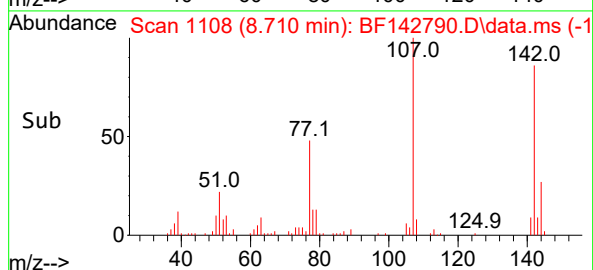
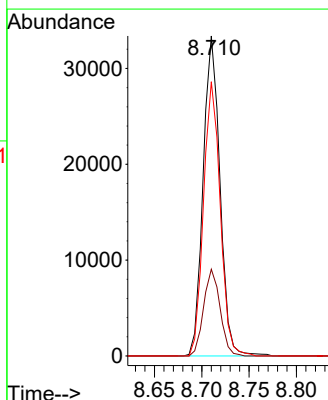
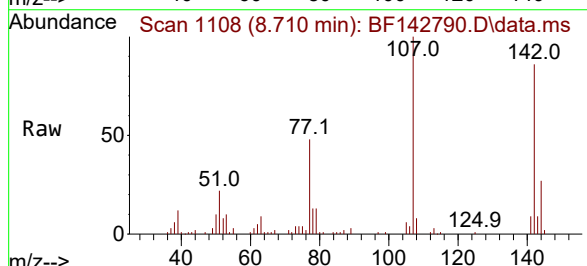
Tgt Ion:107 Resp: 41204

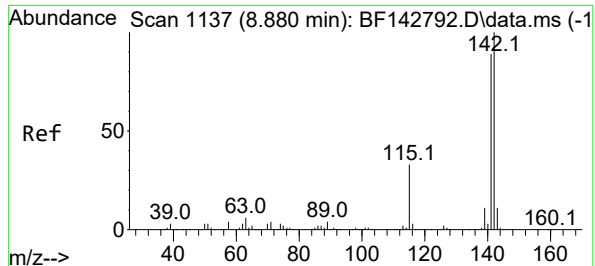
Ion Ratio Lower Upper

107 100

144 27.1 21.3 31.9

142 85.7 66.6 100.0

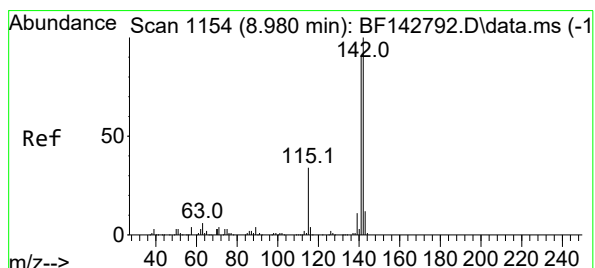
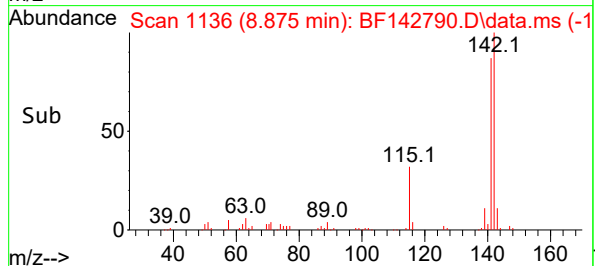
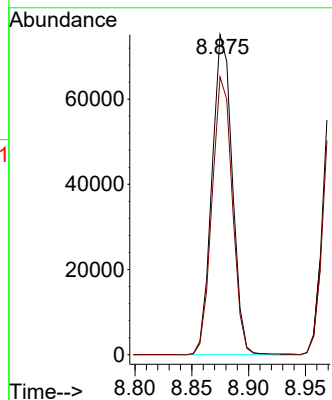
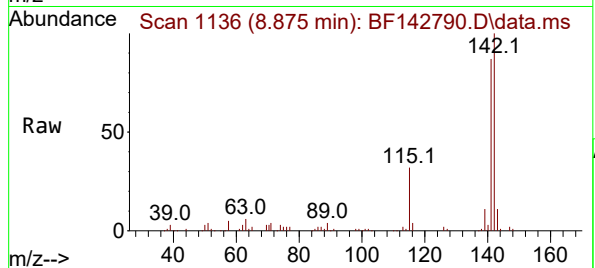




#37
2-Methylnaphthalene
Concen: 10.003 ng
RT: 8.875 min Scan# 1136
Delta R.T. -0.006 min
Lab File: BF142790.D
Acq: 19 Jun 2025 18:08

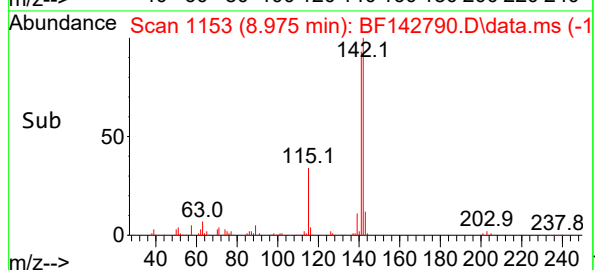
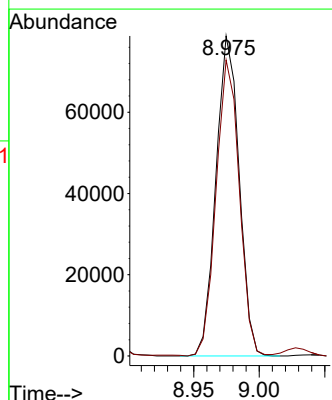
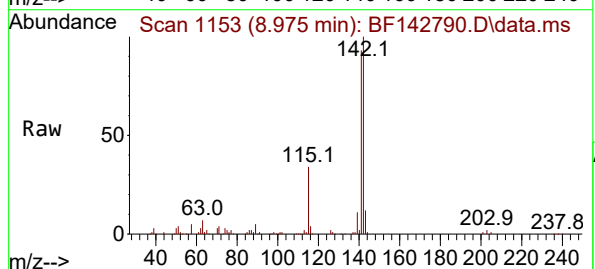
Instrument :
BNA_F
ClientSampleId :
SSTDICC010

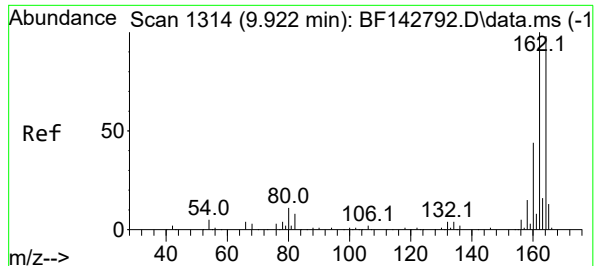
Tgt Ion:142 Resp: 93078
Ion Ratio Lower Upper
142 100
141 86.8 70.9 106.3



#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

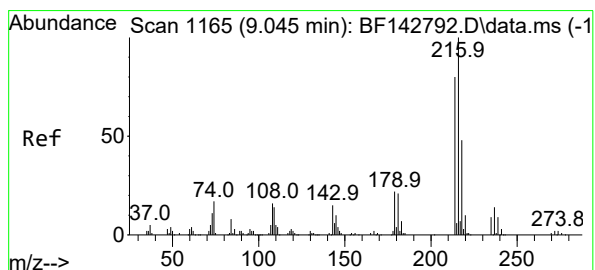
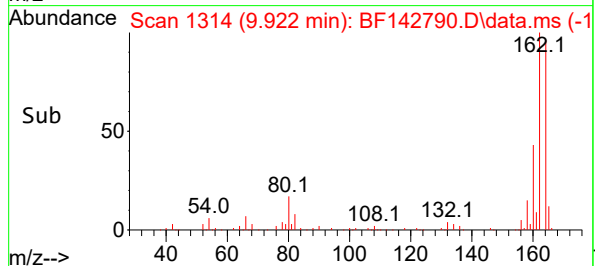
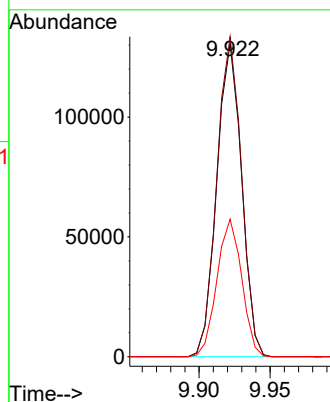
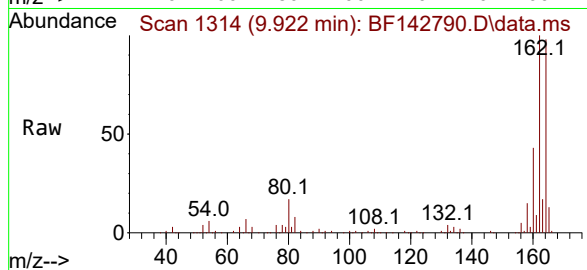
Tgt Ion:164 Resp: 158336

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

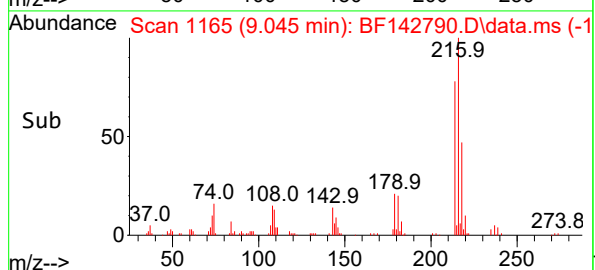
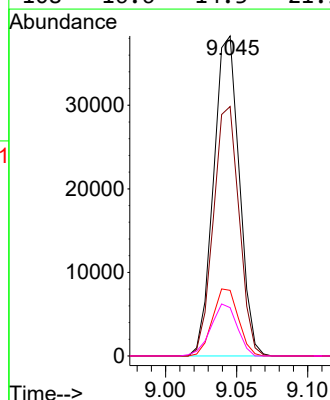
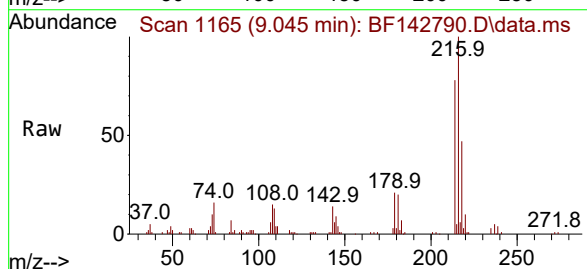
Ion Ratio Lower Upper

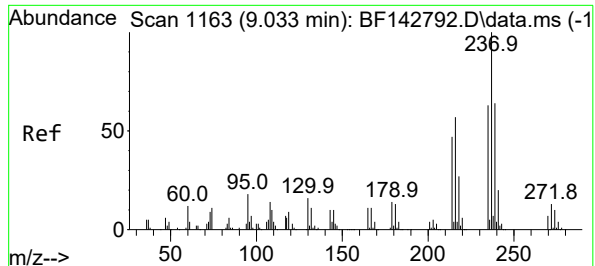
216 100

214 77.9 63.7 95.5

179 21.0 17.6 26.4

108 16.6 14.3 21.5

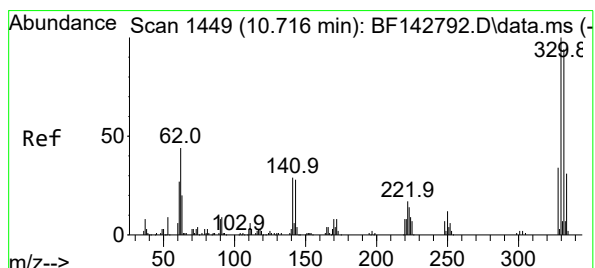
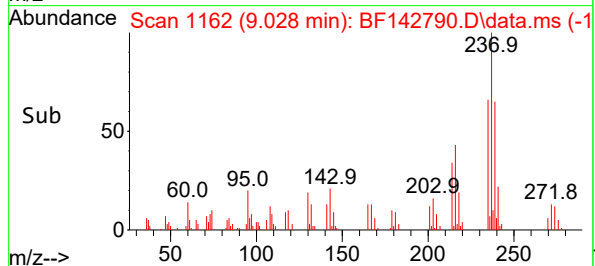
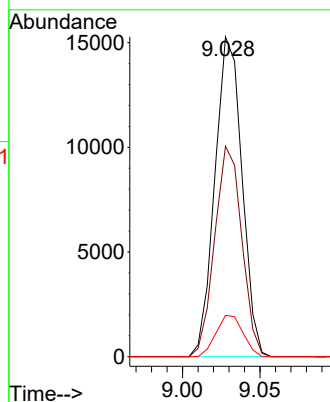
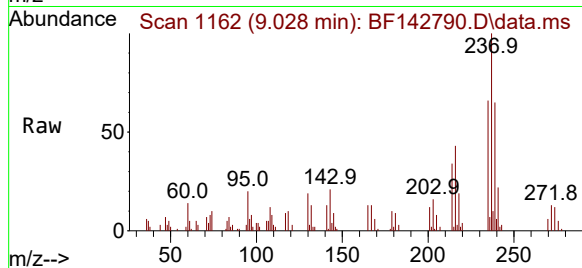




#41
Hexachlorocyclopentadiene
Concen: 6.436 ng
RT: 9.028 min Scan# 1163
Delta R.T. -0.006 min
Lab File: BF142790.D
Acq: 19 Jun 2025 18:08

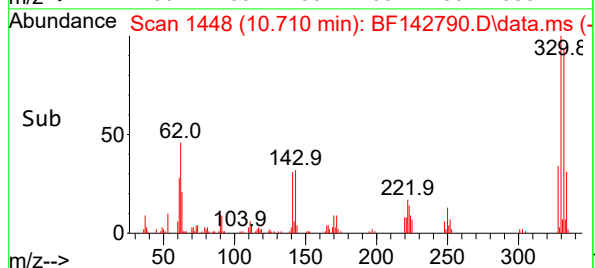
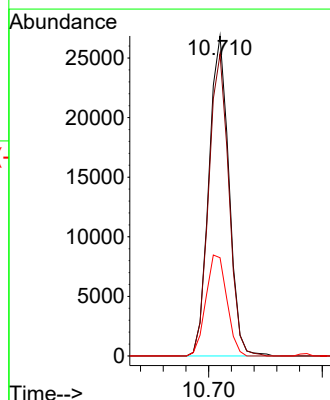
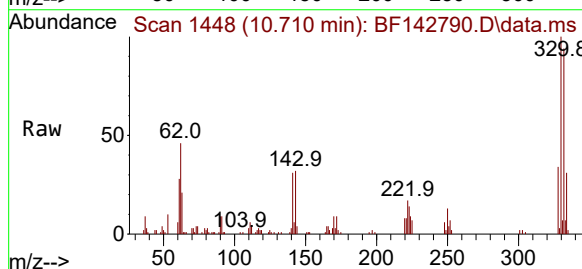
Instrument :
BNA_F
ClientSampleId :
SSTDIC010

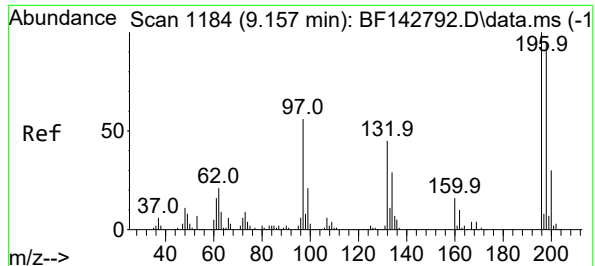
Tgt Ion:237 Resp: 18602
Ion Ratio Lower Upper
237 100
235 65.8 43.4 83.4
272 12.9 0.0 32.7



#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

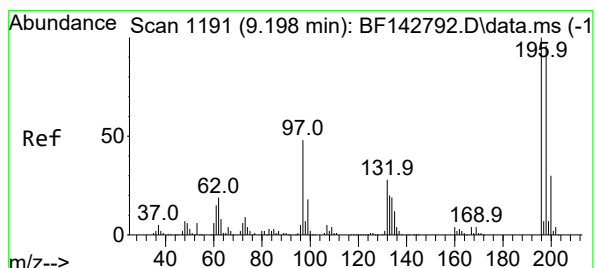
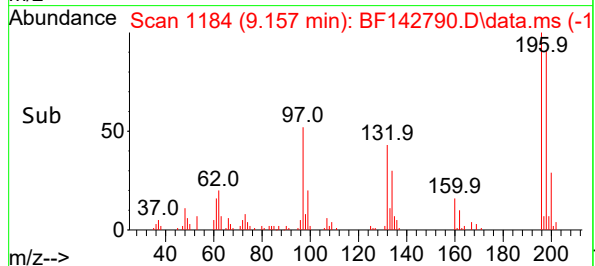
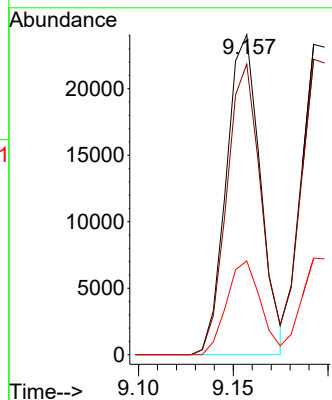
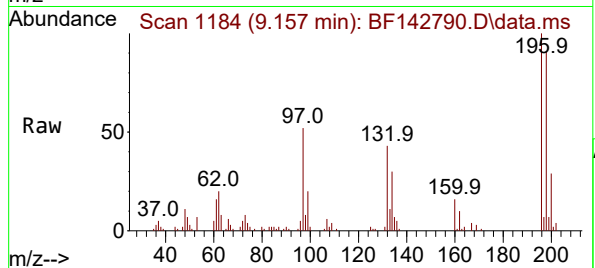
Tgt Ion:196 Resp: 30118

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

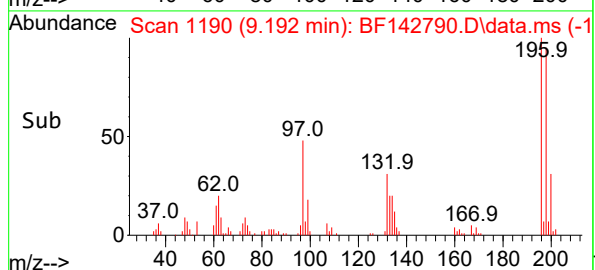
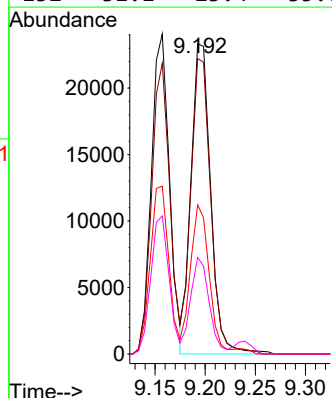
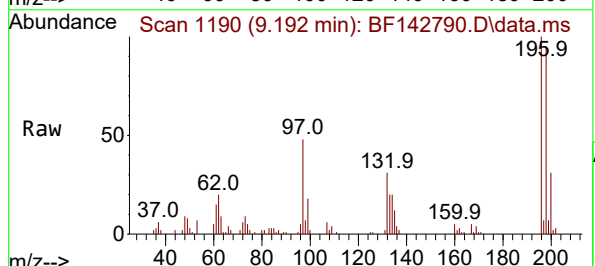
Ion Ratio Lower Upper

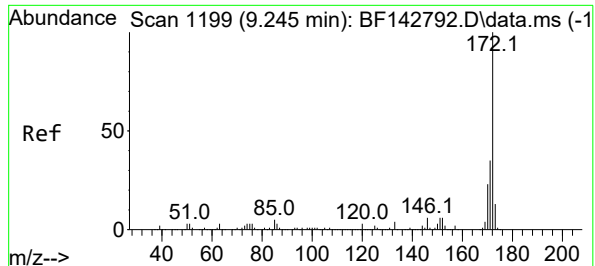
196 100

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

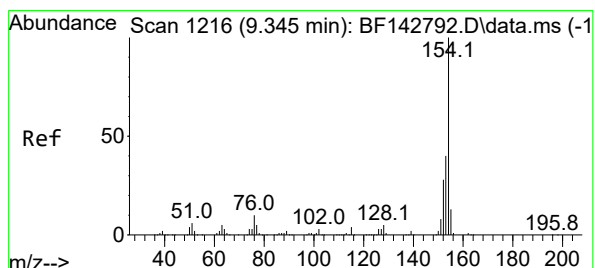
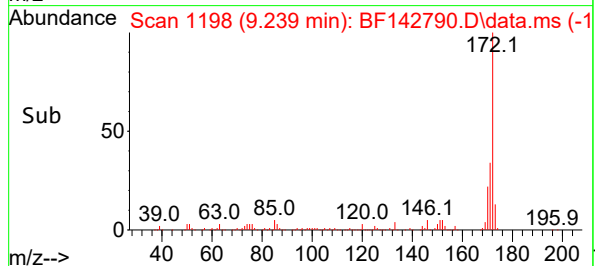
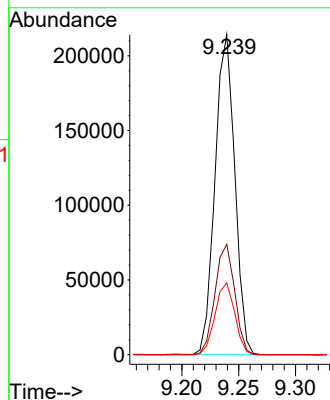
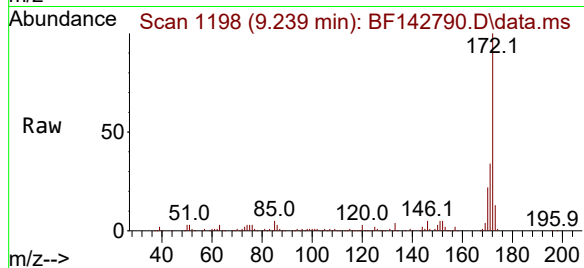
Tgt Ion:172 Resp: 259052

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

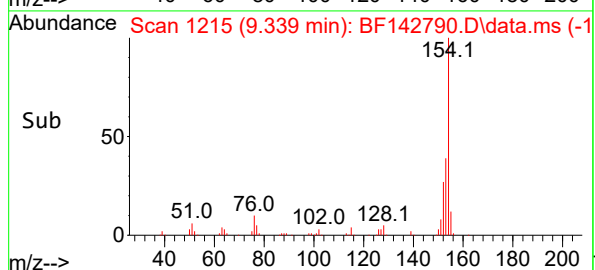
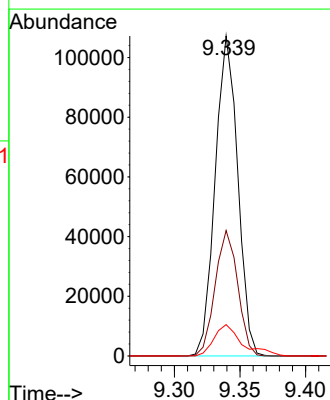
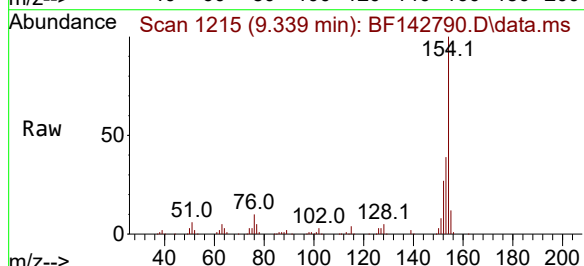
Tgt Ion:154 Resp: 127911

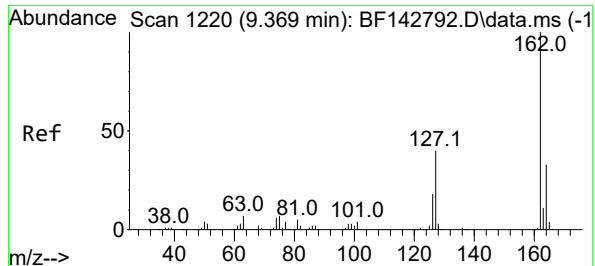
Ion Ratio Lower Upper

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

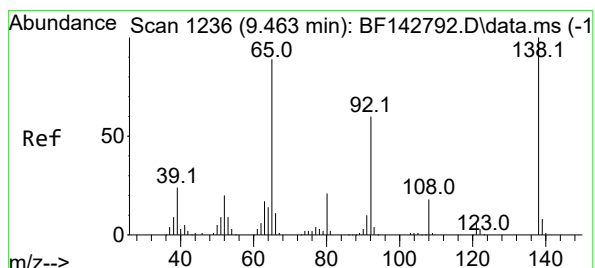
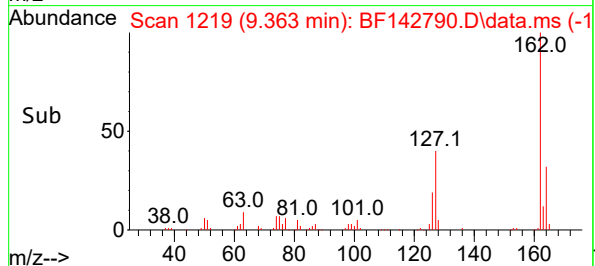
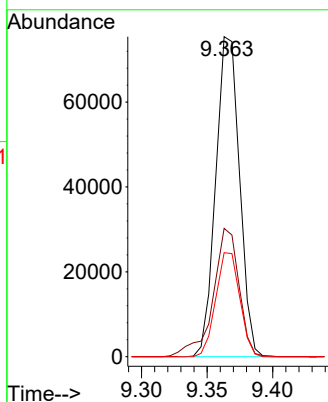
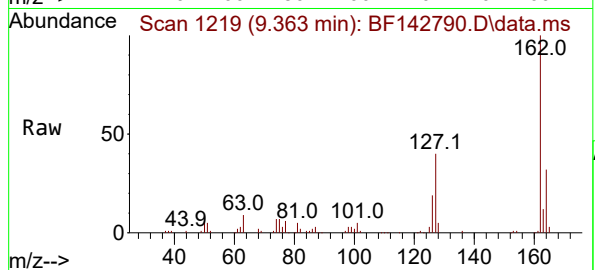
Tgt Ion:162 Resp: 95194

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

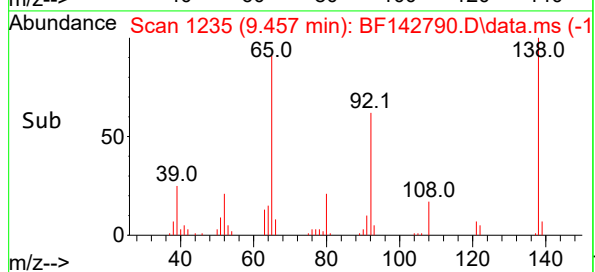
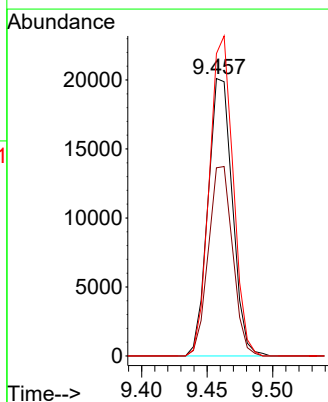
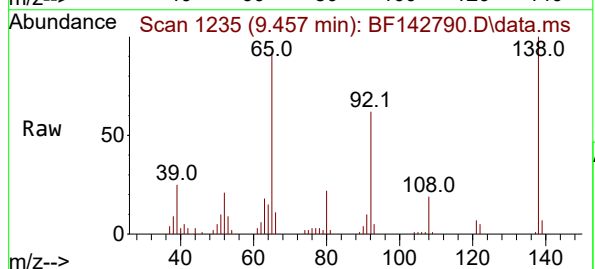
Tgt Ion: 65 Resp: 26075

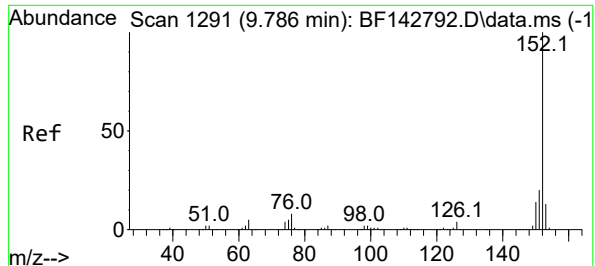
Ion Ratio Lower Upper

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

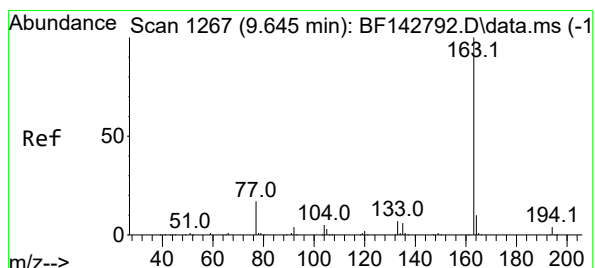
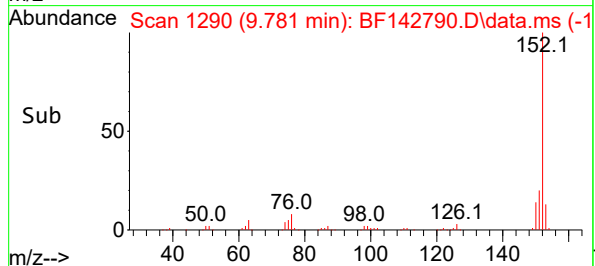
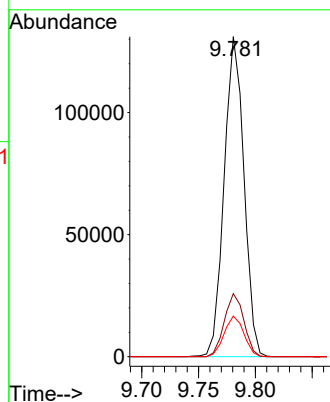
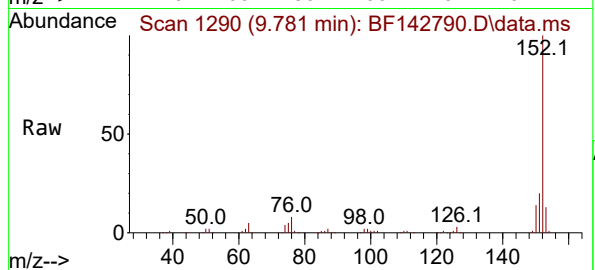
Tgt Ion:152 Resp: 158842

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

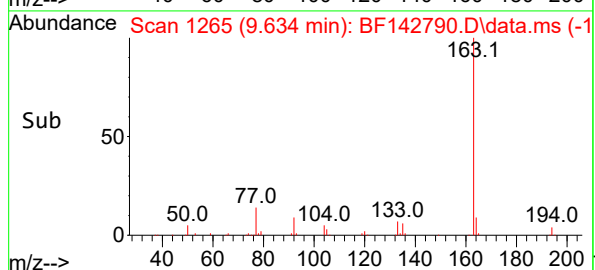
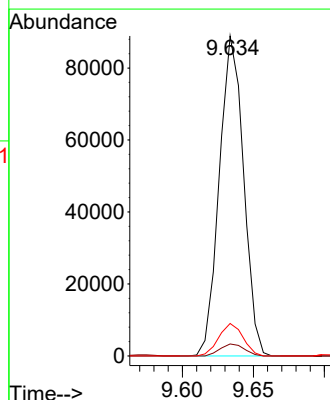
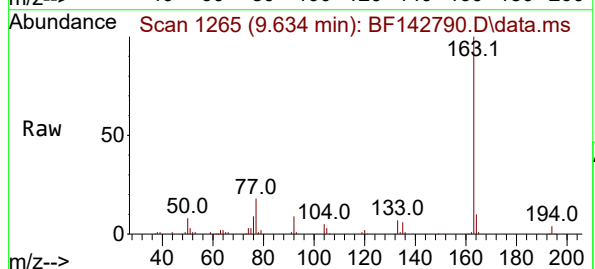
Tgt Ion:163 Resp: 105636

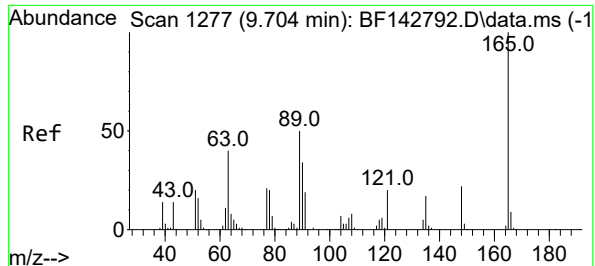
Ion Ratio Lower Upper

163 100

194 3.8 3.3 4.9

164 10.1 8.0 12.0

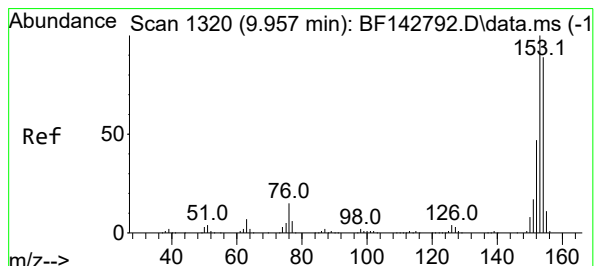
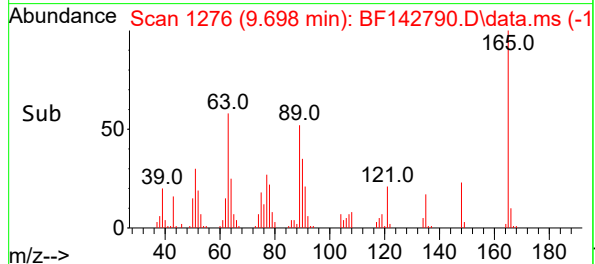
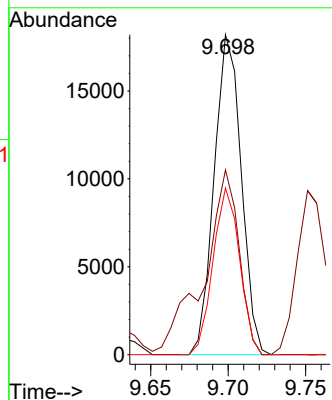
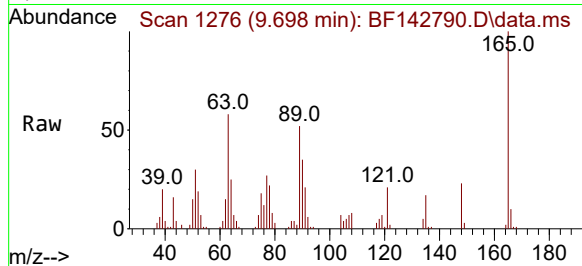




#51
2,6-Dinitrotoluene
Concen: 9.714 ng
RT: 9.698 min Scan# 11
Delta R.T. -0.006 min
Lab File: BF142790.D
Acq: 19 Jun 2025 18:08

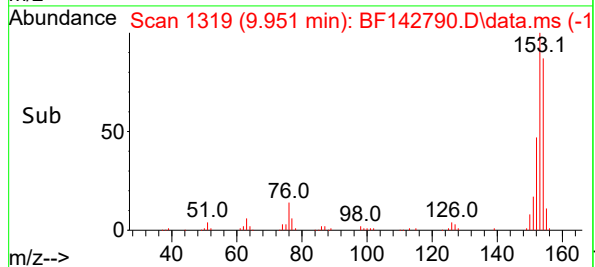
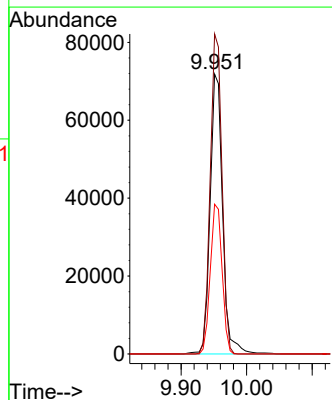
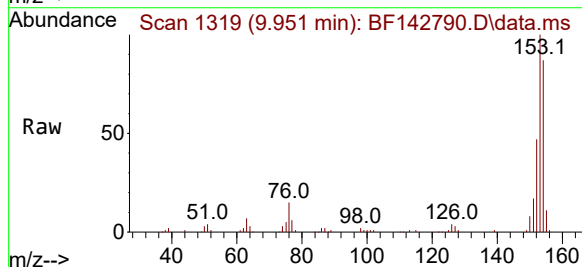
Instrument :
BNA_F
ClientSampleId :
SSTDICC010

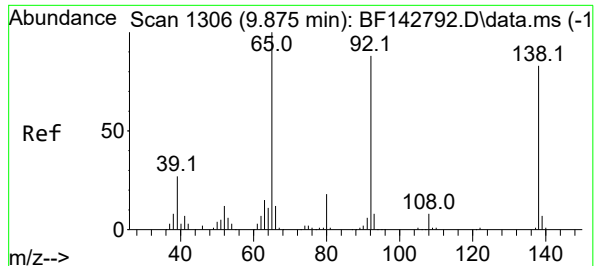
Tgt Ion	165	Resp	22116
Ion Ratio	Lower	Upper	
165	100		
63	57.7	44.2	66.4
89	52.1	39.8	59.8



#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

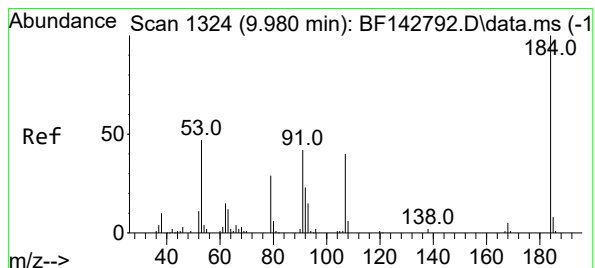
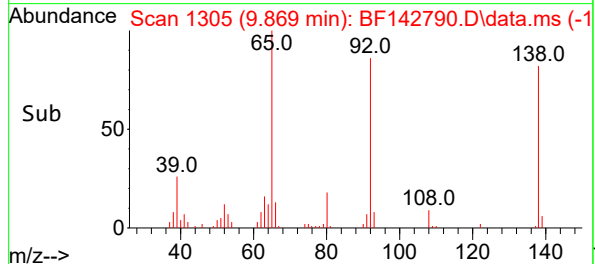
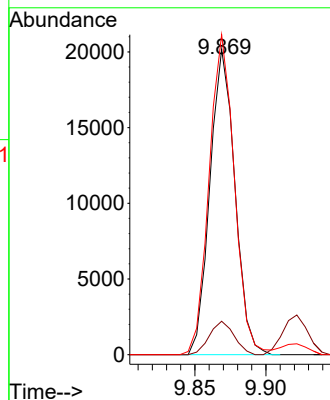
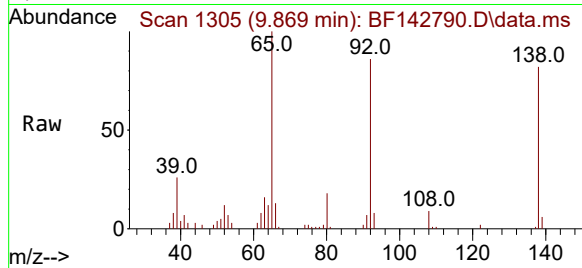




#53
3-Nitroaniline
Concen: 9.968 ng
RT: 9.869 min Scan# 11
Delta R.T. -0.006 min
Lab File: BF142790.D
Acq: 19 Jun 2025 18:08

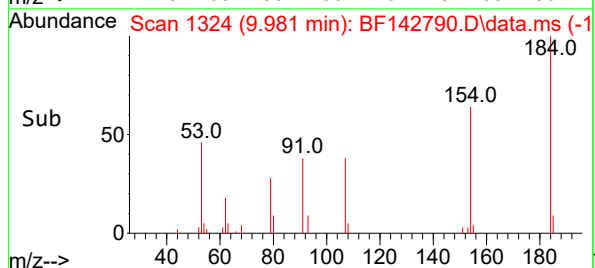
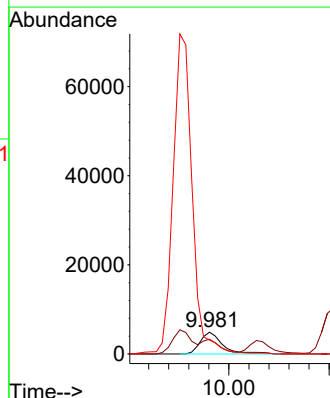
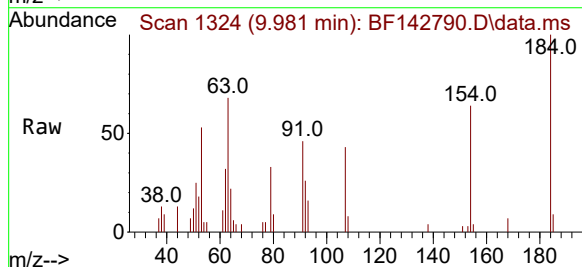
Instrument :
BNA_F
ClientSampleId :
SSTDICC010

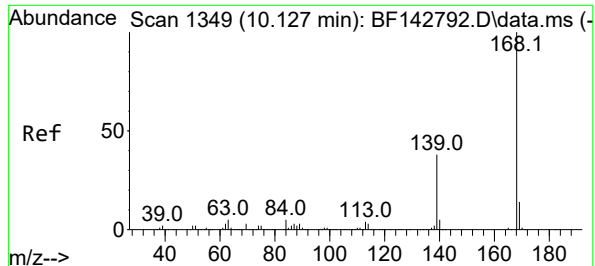
Tgt Ion	Ratio	Lower	Upper
138	100		
108	10.9	8.1	12.1
92	104.8	85.1	127.7



#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

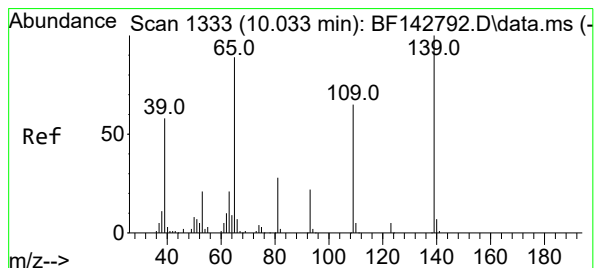
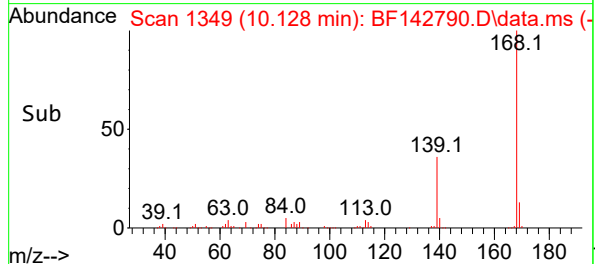
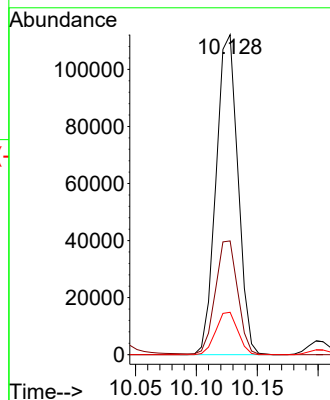
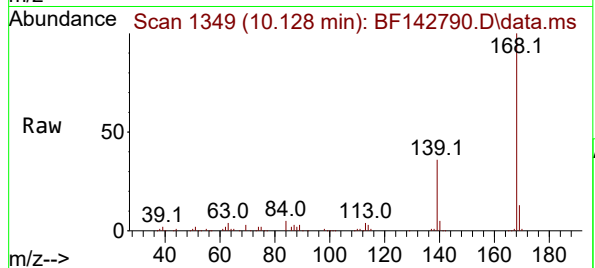




#55
Dibenzofuran
Concen: 10.416 ng
RT: 10.128 min Scan# 1349
Delta R.T. 0.000 min
Lab File: BF142790.D
Acq: 19 Jun 2025 18:08

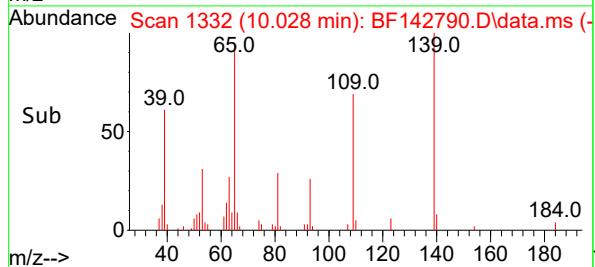
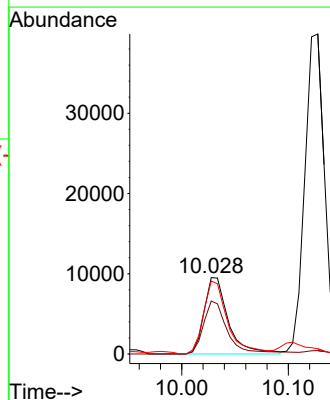
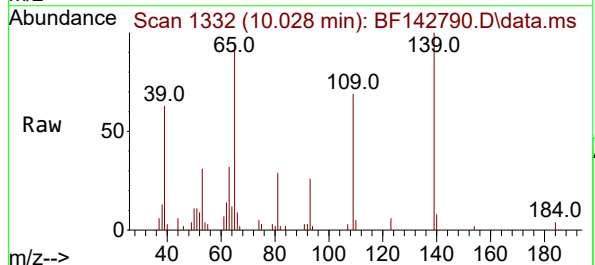
Instrument :
BNA_F
ClientSampleId :
SSTDICC010

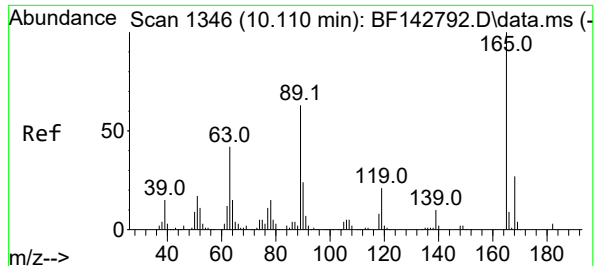
Tgt Ion:168 Resp: 140256
Ion Ratio Lower Upper
168 100
139 35.6 30.2 45.4
169 13.3 10.8 16.2



#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

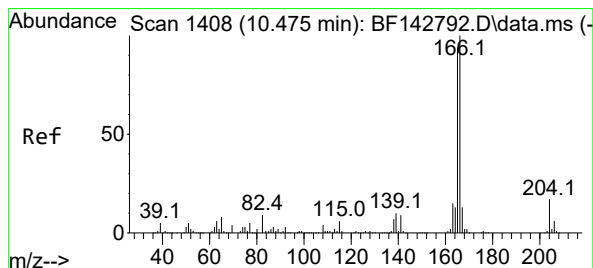
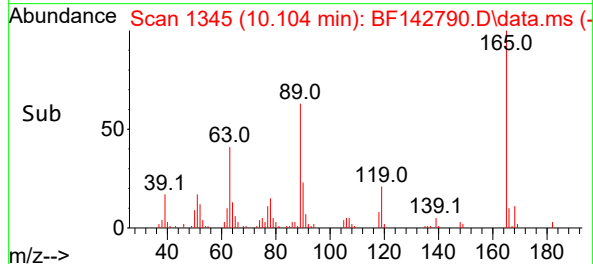
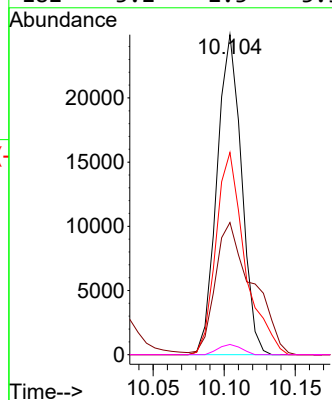
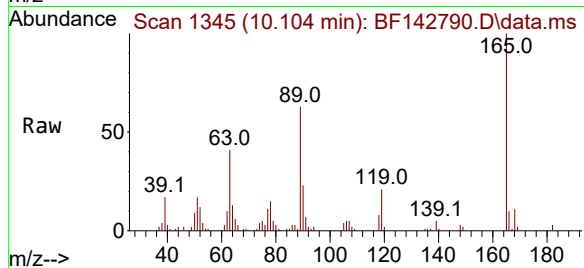




#57
2,4-Dinitrotoluene
Concen: 9.943 ng
RT: 10.104 min Scan# 11
Delta R.T. -0.006 min
Lab File: BF142790.D
Acq: 19 Jun 2025 18:08

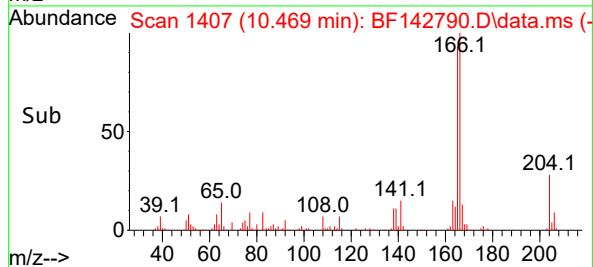
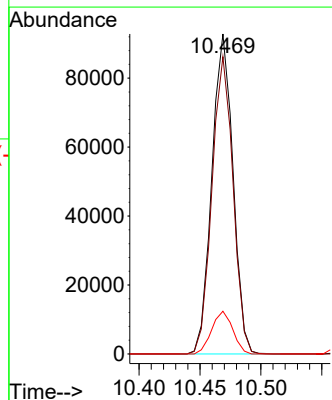
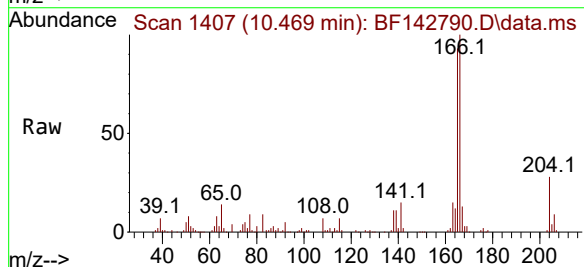
Instrument :
BNA_F
ClientSampleId :
SSTDICC010

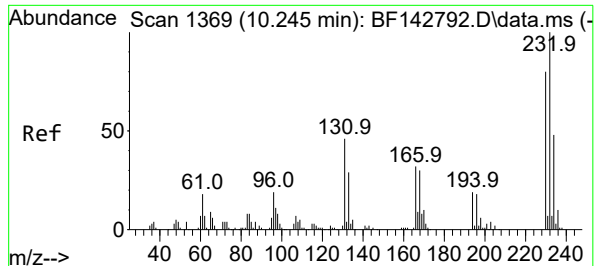
Tgt Ion:165 Resp: 29934
Ion Ratio Lower Upper
165 100
63 41.3 33.9 50.9
89 63.2 50.6 75.8
182 3.2 2.3 3.5



#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

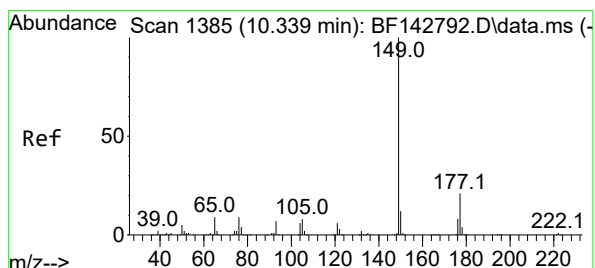
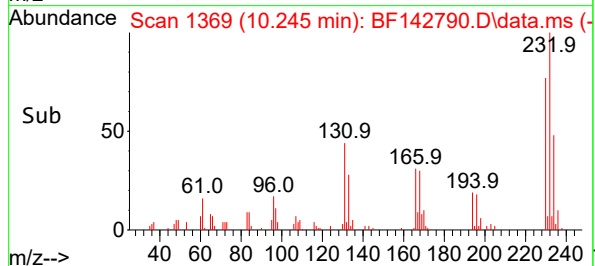
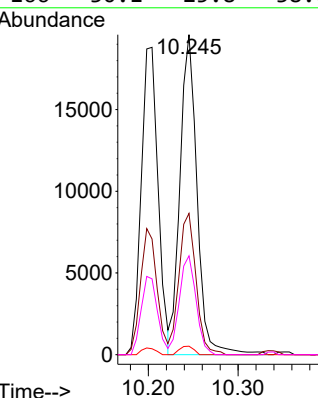
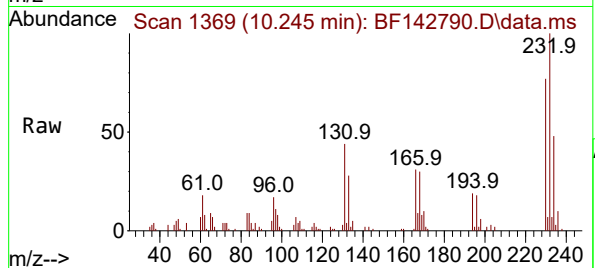




#59
2,3,4,6-Tetrachlorophenol
Concen: 9.666 ng
RT: 10.245 min Scan# 1369
Delta R.T. 0.000 min
Lab File: BF142790.D
Acq: 19 Jun 2025 18:08

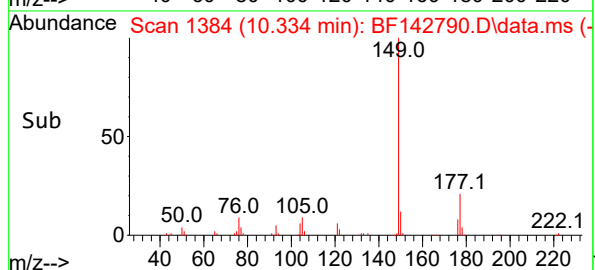
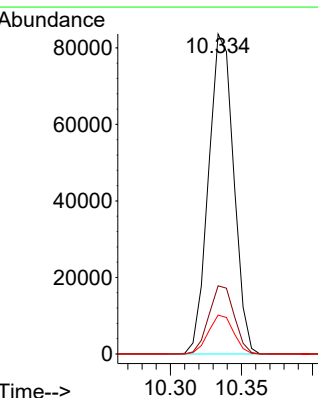
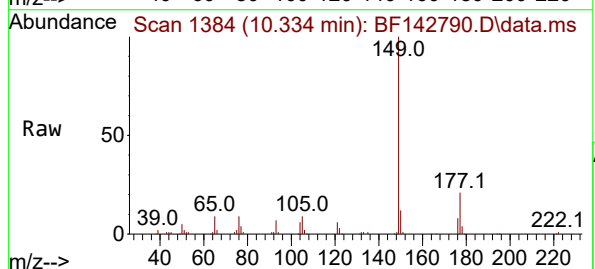
Instrument :
BNA_F
ClientSampleId :
SSTDICC010

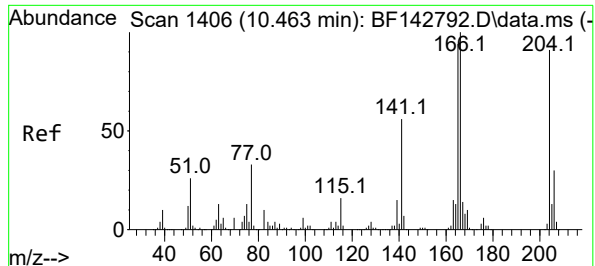
Tgt Ion:232 Resp: 25885
Ion Ratio Lower Upper
232 100
131 44.2 37.6 56.4
130 2.2 1.7 2.5
166 30.1 25.8 38.6



#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

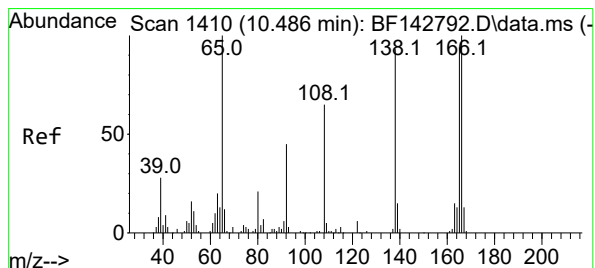
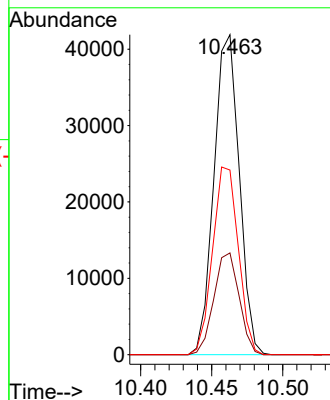
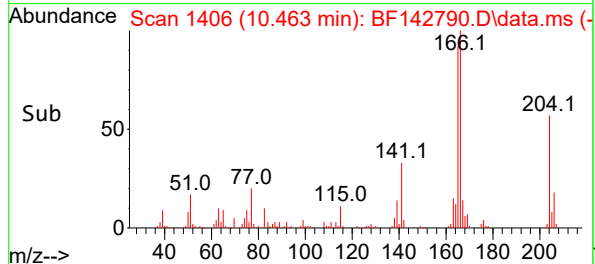
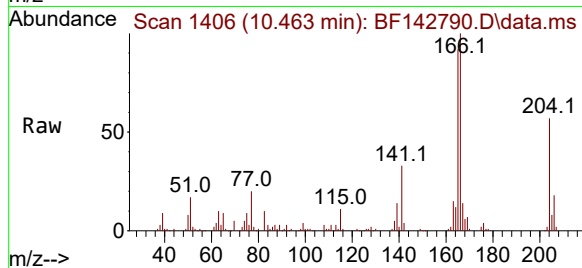




#61
4-Chlorophenyl-phenylether
Concen: 10.067 ng
RT: 10.463 min Scan# 1406
Delta R.T. 0.000 min
Lab File: BF142790.D
Acq: 19 Jun 2025 18:08

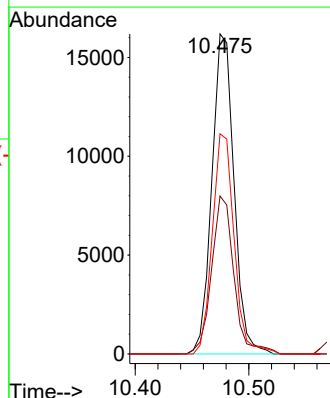
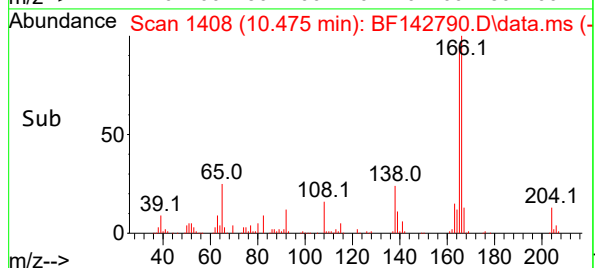
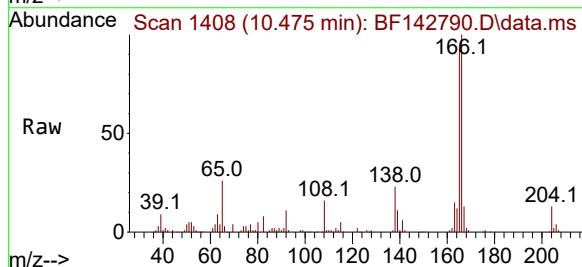
Instrument :
BNA_F
ClientSampleId :
SSTDICC010

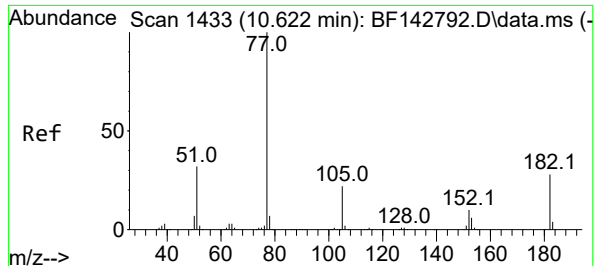
Tgt Ion:204 Resp: 51958
Ion Ratio Lower Upper
204 100
206 31.8 26.3 39.5
141 57.7 49.1 73.7



#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

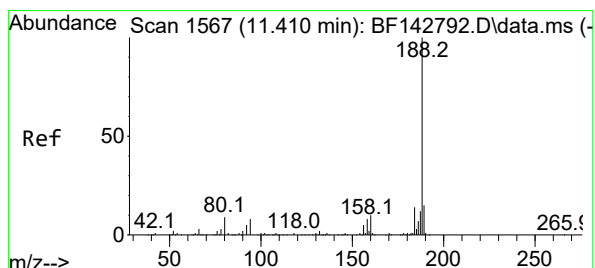
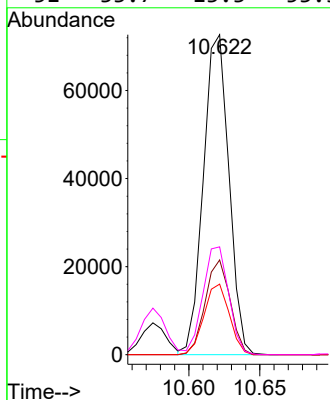
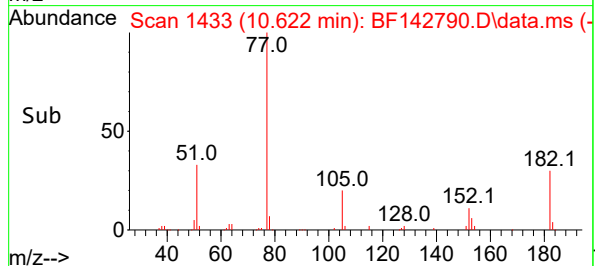
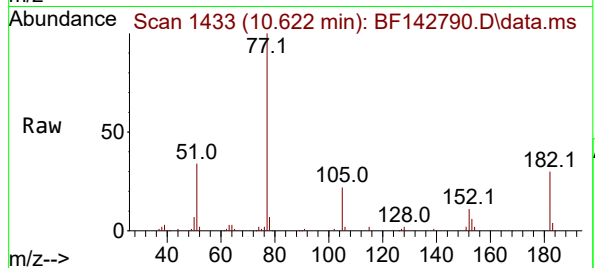




#63
Azobenzene
Concen: 9.977 ng
RT: 10.622 min Scan# 1433
Delta R.T. 0.000 min
Lab File: BF142790.D
Acq: 19 Jun 2025 18:08

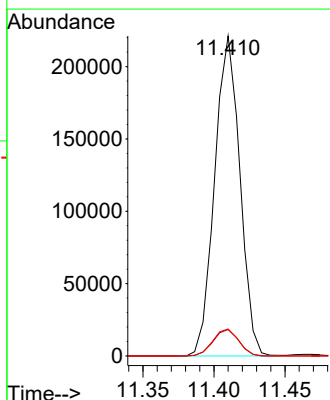
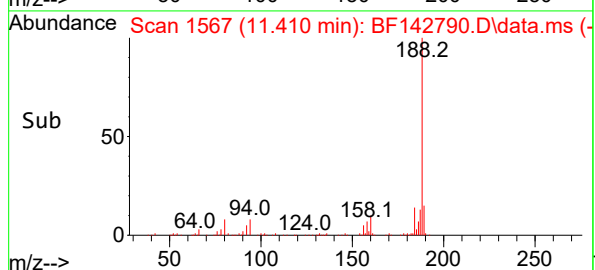
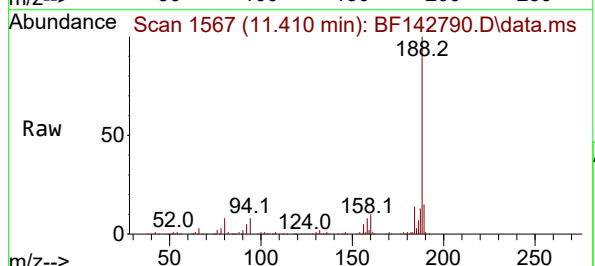
Instrument :
BNA_F
ClientSampleId :
SSTDICC010

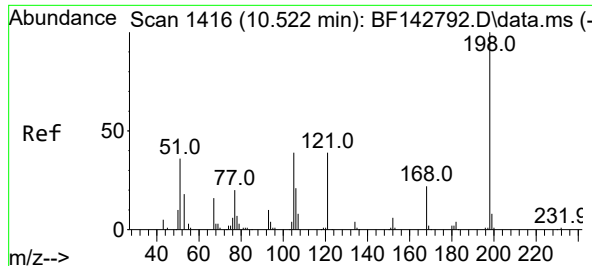
Tgt Ion:	77	Resp:	90965
Ion Ratio	Lower	Upper	
77	100		
182	29.6	7.7	47.7
105	22.0	1.9	41.9
51	33.7	13.3	53.3



#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

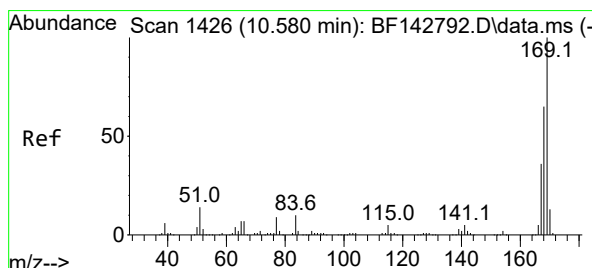
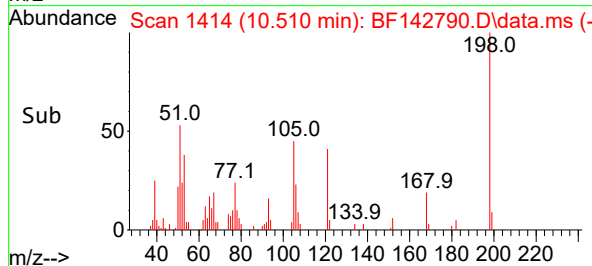
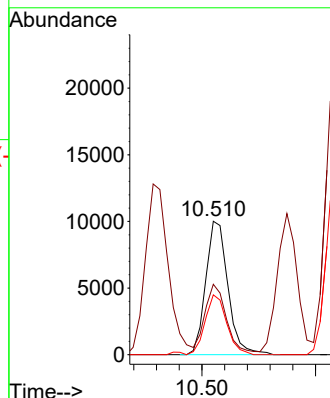
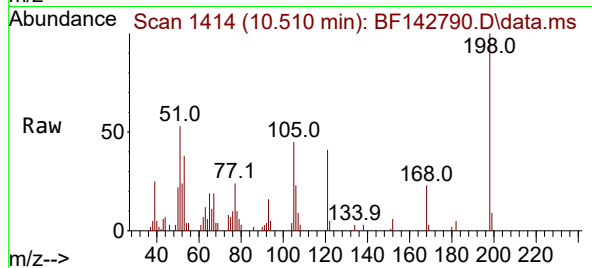
Tgt Ion:198 Resp: 13545

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

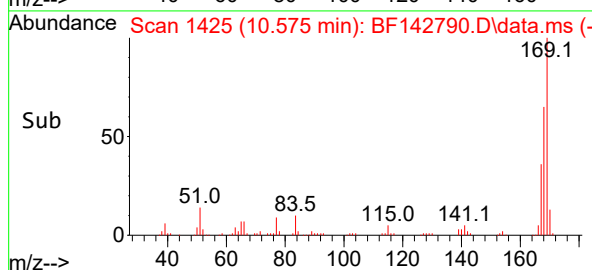
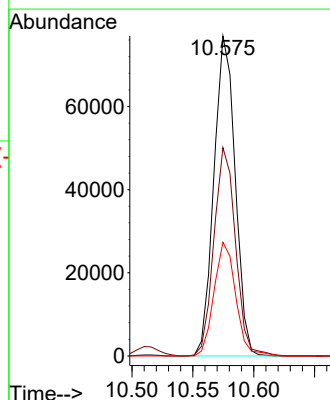
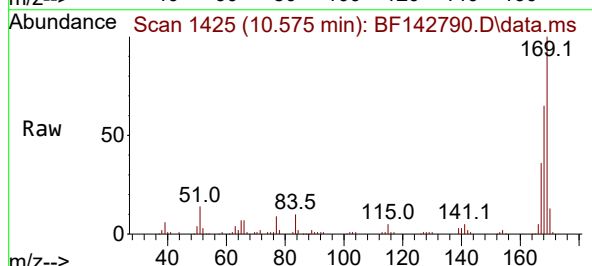
Tgt Ion:169 Resp: 93632

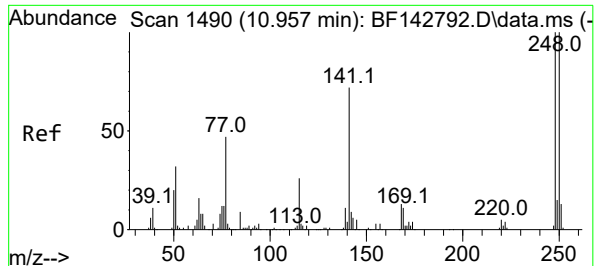
Ion Ratio Lower Upper

169 100

168 65.1 51.9 77.9

167 35.6 28.5 42.7

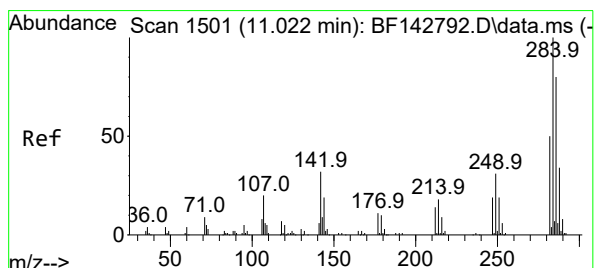
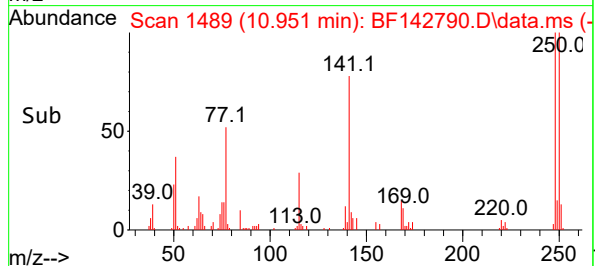
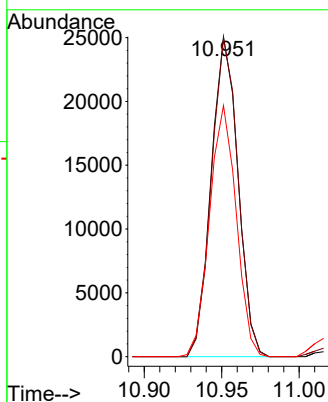
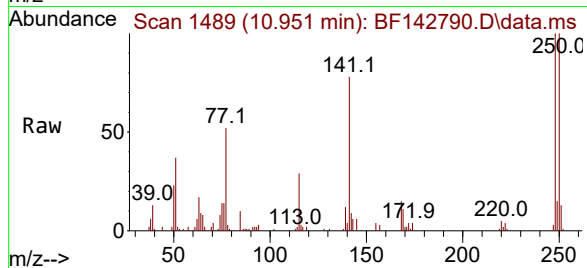




#67
4-Bromophenyl-phenylether
Concen: 9.425 ng
RT: 10.951 min Scan# 1490
Delta R.T. -0.006 min
Lab File: BF142790.D
Acq: 19 Jun 2025 18:08

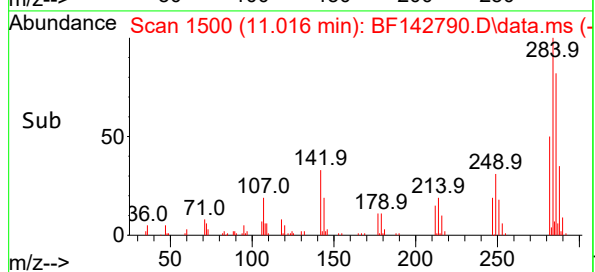
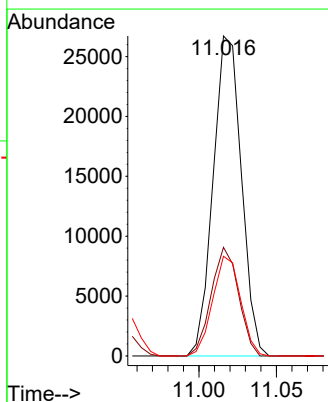
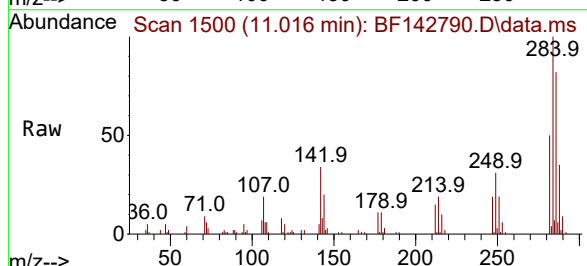
Instrument :
BNA_F
ClientSampleId :
SSTDICC010

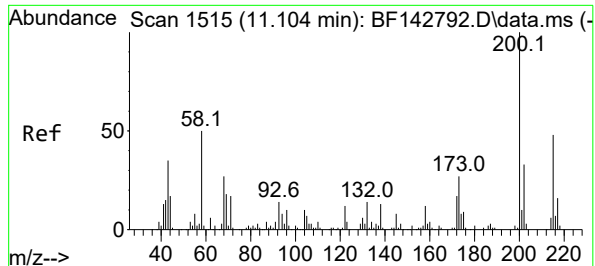
Tgt Ion:	248	Resp:	30145
Ion Ratio	Lower	Upper	
248	100		
250	99.6	79.8	119.8
141	78.4	57.8	86.6



#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# 1514

Delta R.T. -0.006 min

Lab File: BF142790.D

Acq: 19 Jun 2025 18:08

Instrument :

BNA_F

ClientSampleId :

SSTDIC010

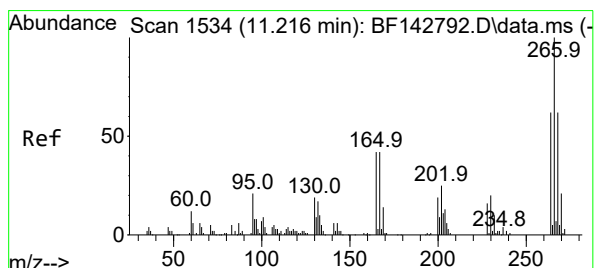
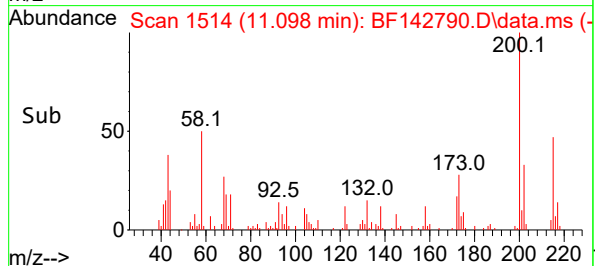
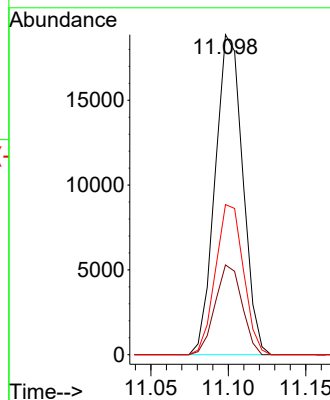
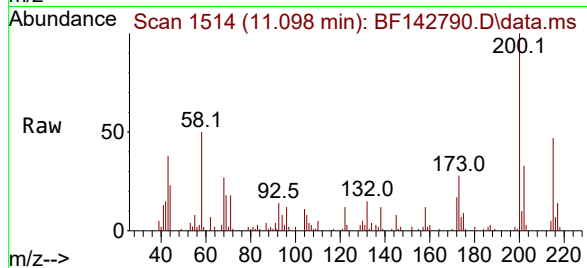
Tgt Ion:200 Resp: 23423

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

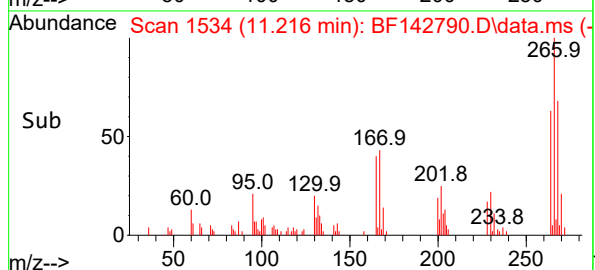
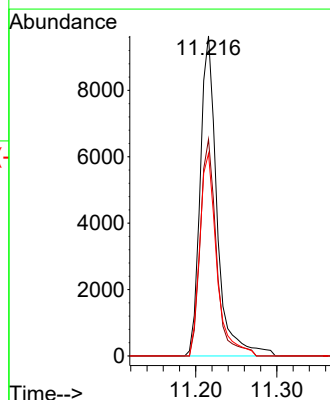
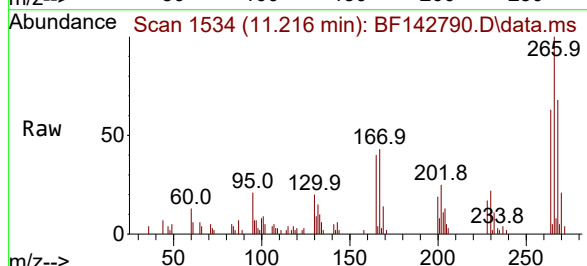
Tgt Ion:266 Resp: 13894

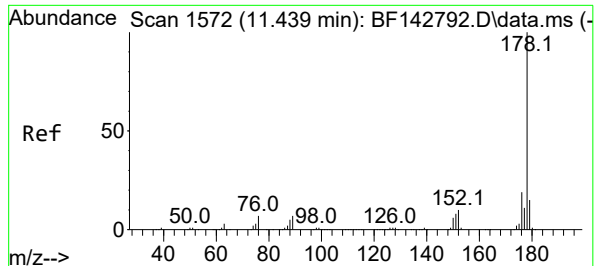
Ion Ratio Lower Upper

266 100

268 67.7 49.8 74.8

264 63.2 49.9 74.9

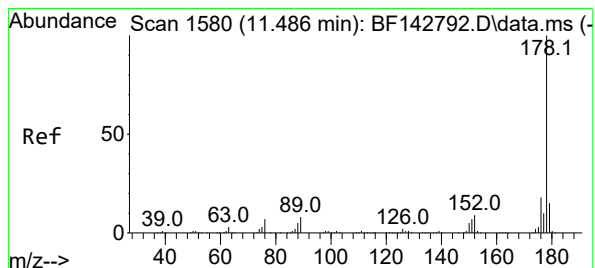
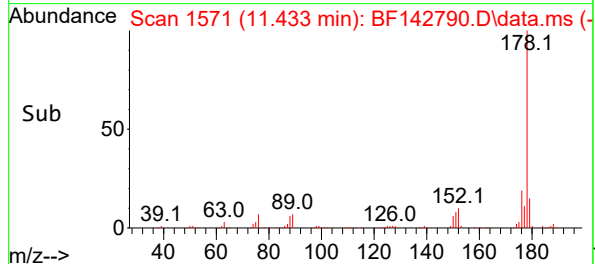
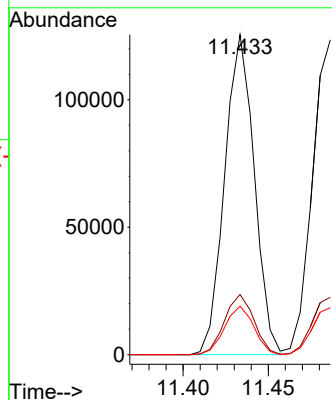
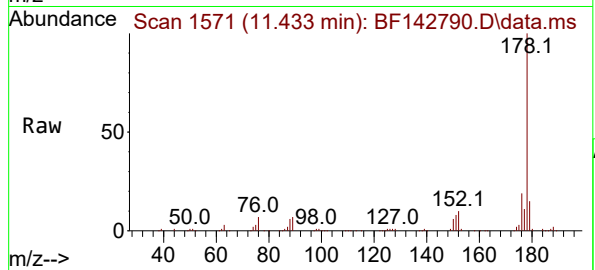




#71
Phenanthrene
Concen: 10.396 ng
RT: 11.433 min Scan# 1571
Delta R.T. -0.006 min
Lab File: BF142790.D
Acq: 19 Jun 2025 18:08

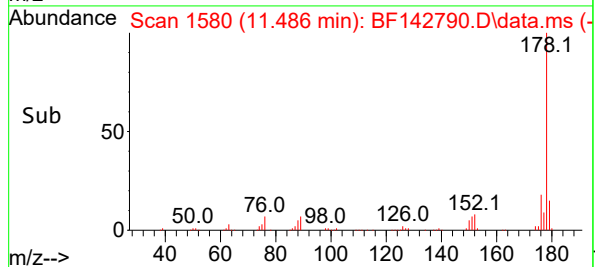
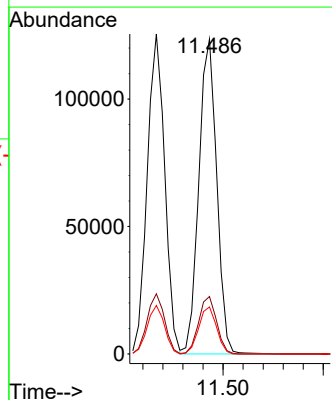
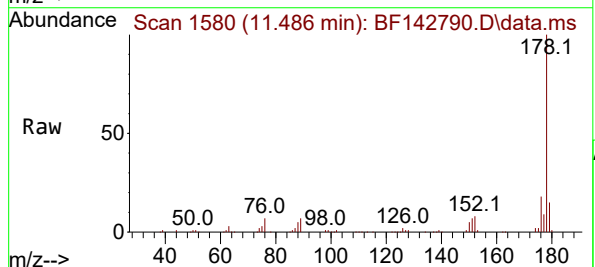
Instrument :
BNA_F
ClientSampleId :
SSTDICC010

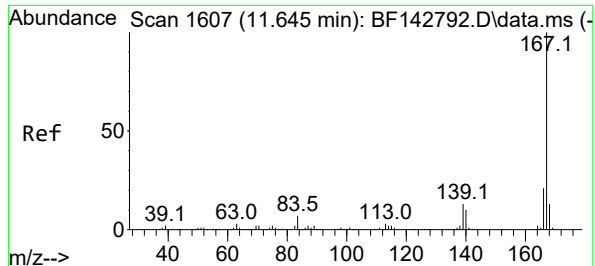
Tgt Ion:178 Resp: 151997
Ion Ratio Lower Upper
178 100
176 18.8 15.1 22.7
179 15.1 12.0 18.0



#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

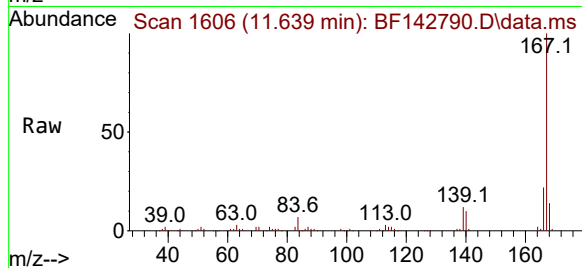
Tgt Ion:178 Resp: 153376
Ion Ratio Lower Upper
178 100
176 18.2 14.6 21.8
179 15.0 12.4 18.6



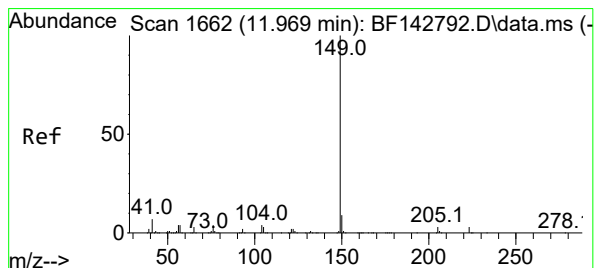
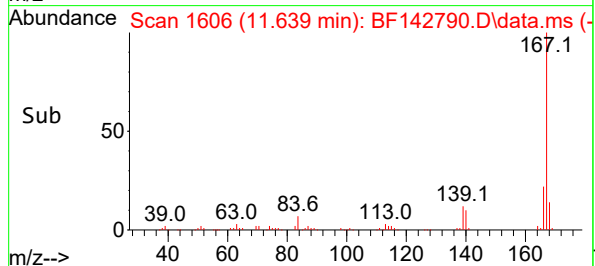
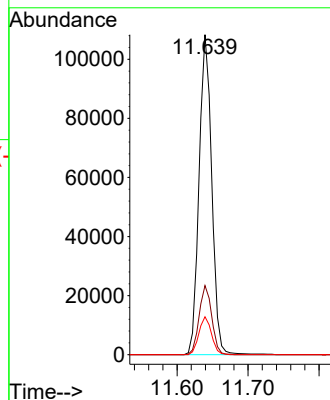


#73
Carbazole
Concen: 10.625 ng
RT: 11.639 min Scan# 1606
Delta R.T. -0.006 min
Lab File: BF142790.D
Acq: 19 Jun 2025 18:08

Instrument :
BNA_F
ClientSampleId :
SSTDICC010

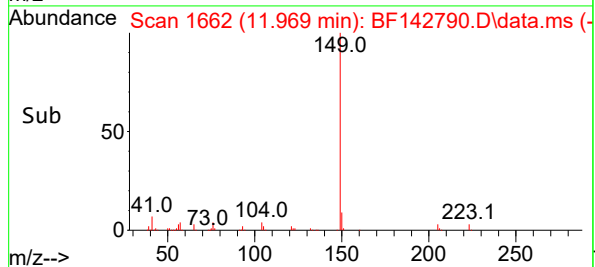
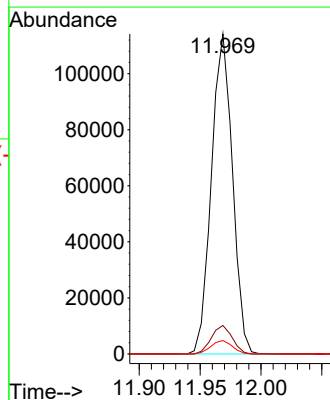
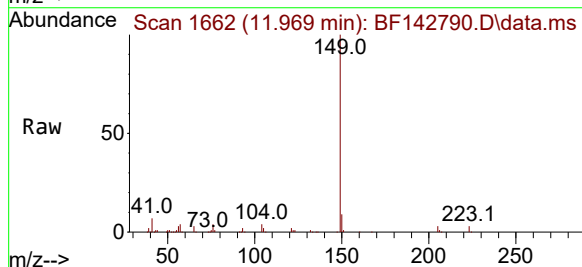


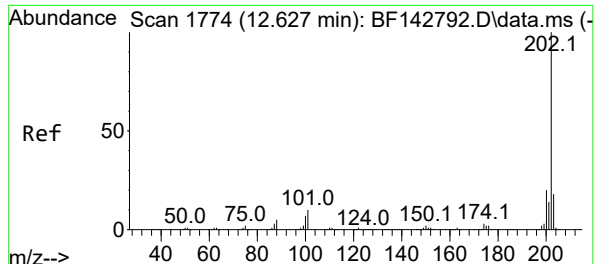
Tgt Ion:167 Resp: 134656
Ion Ratio Lower Upper
167 100
166 21.6 17.0 25.4
139 11.8 10.2 15.2



#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

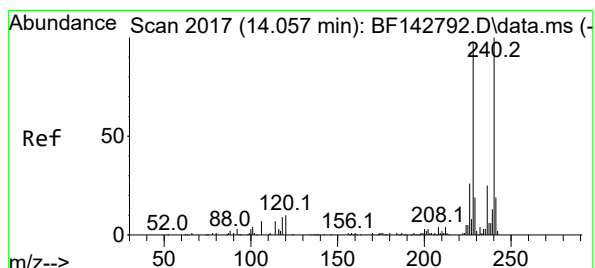
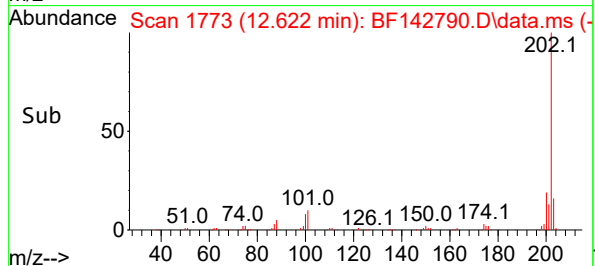
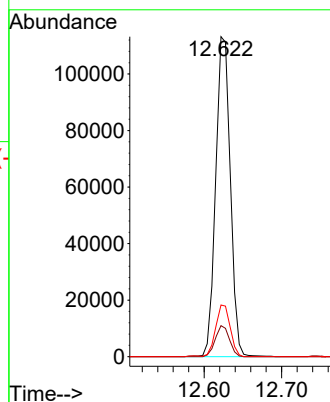
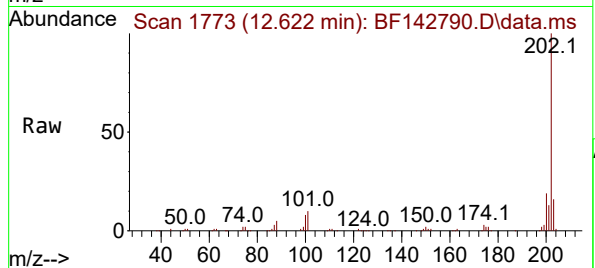




#75
Fluoranthene
Concen: 10.693 ng
RT: 12.622 min Scan# 1774
Delta R.T. -0.006 min
Lab File: BF142790.D
Acq: 19 Jun 2025 18:08

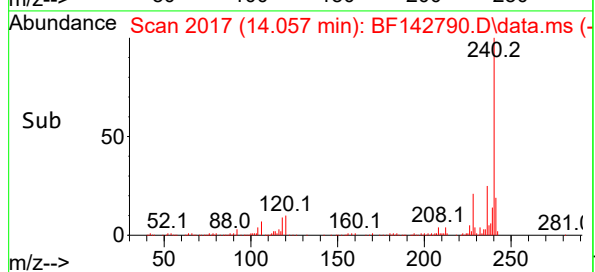
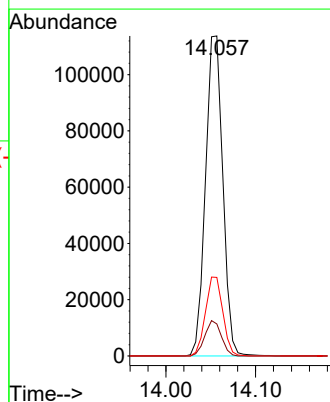
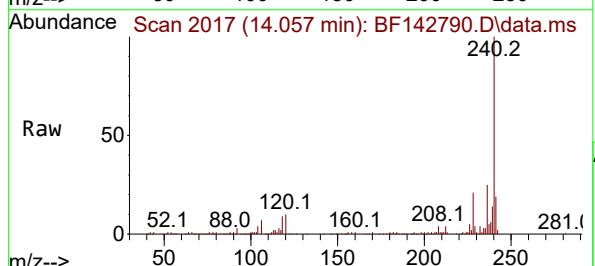
Instrument :
BNA_F
ClientSampleId :
SSTDICC010

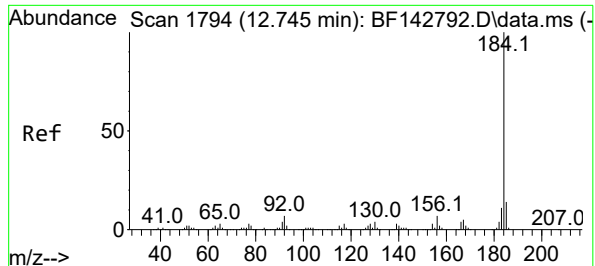
Tgt Ion:202 Resp: 148540
Ion Ratio Lower Upper
202 100
101 9.7 0.0 29.7
203 16.2 0.0 37.5



#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

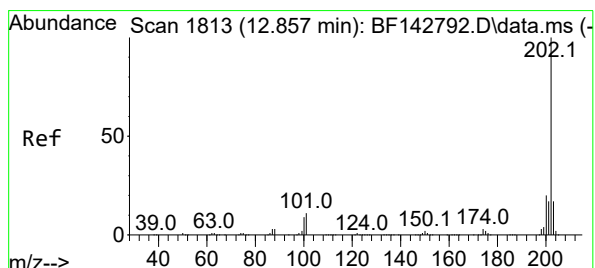
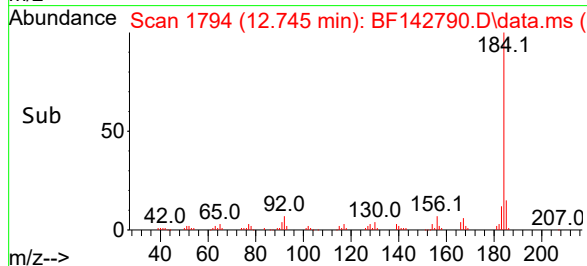
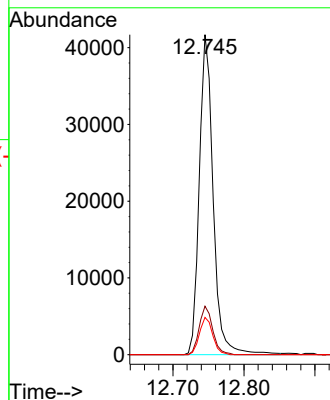
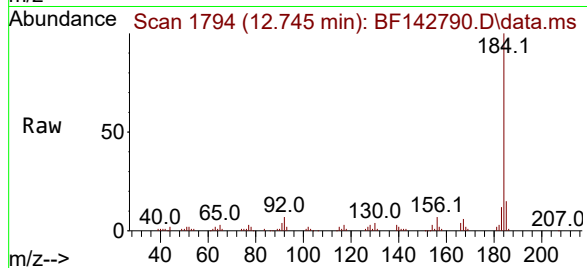
Tgt Ion:184 Resp: 56769

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

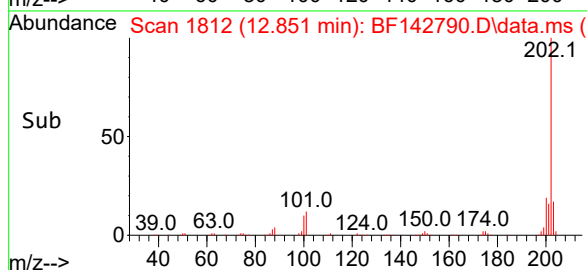
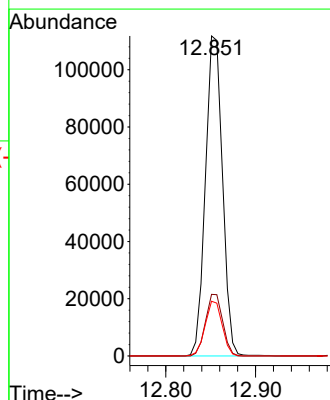
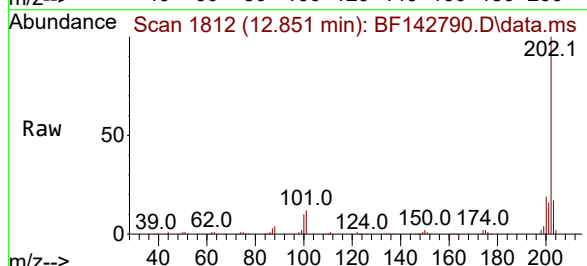
Tgt Ion:202 Resp: 147819

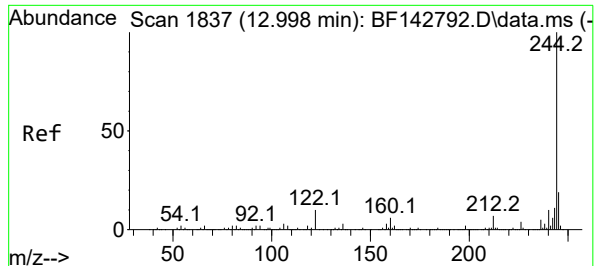
Ion Ratio Lower Upper

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

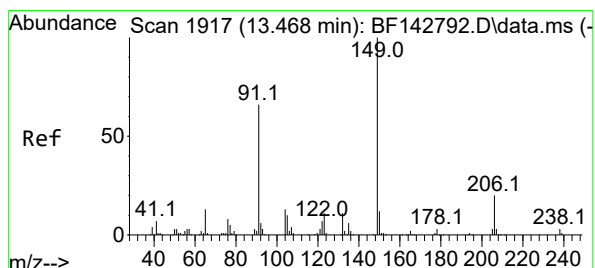
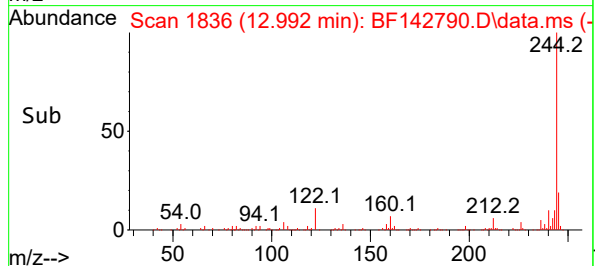
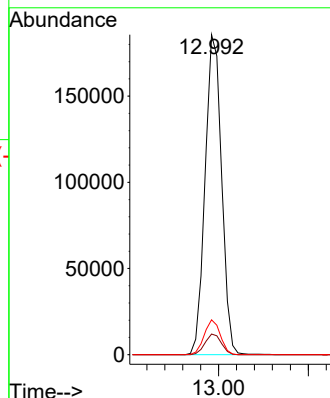
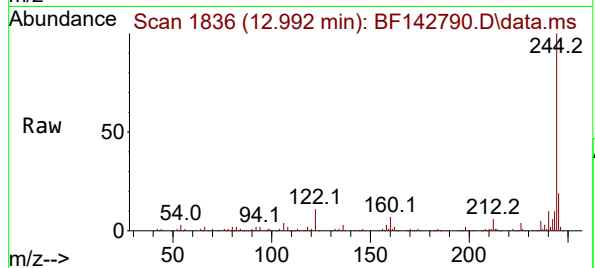
Tgt Ion:244 Resp: 237037

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

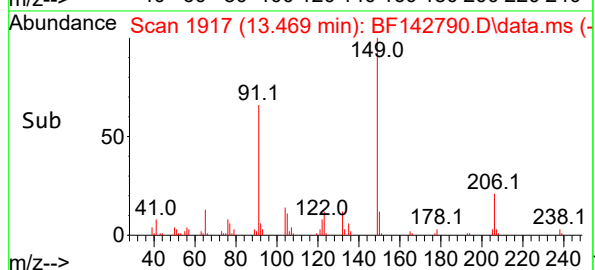
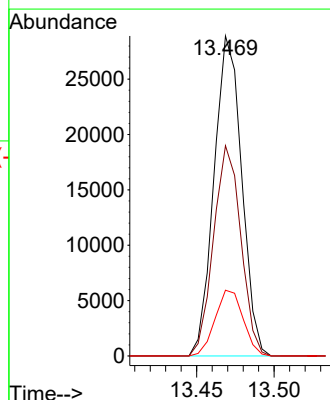
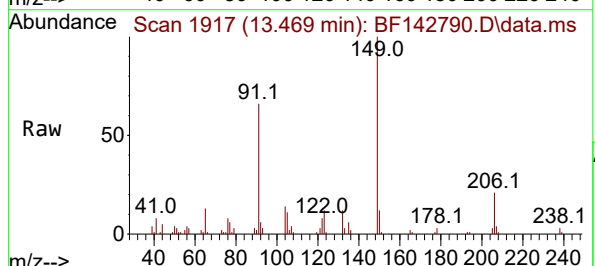
Tgt Ion:149 Resp: 35843

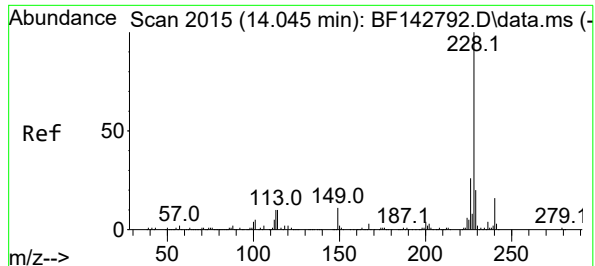
Ion Ratio Lower Upper

149 100

91 65.7 52.9 79.3

206 20.5 16.3 24.5

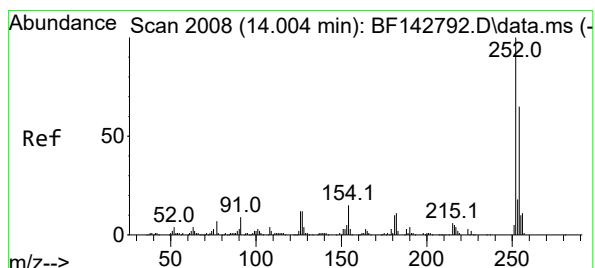
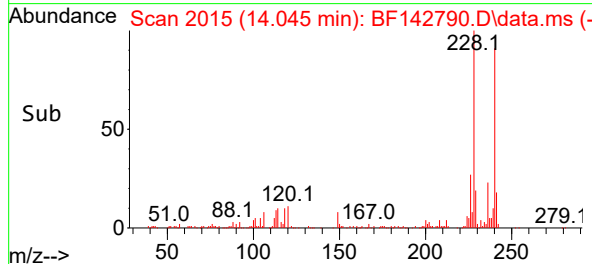
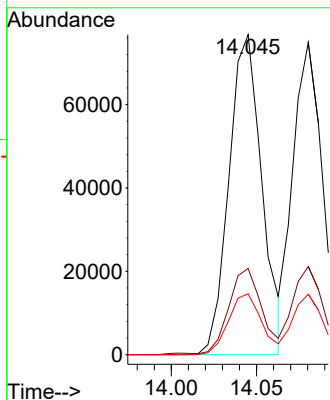
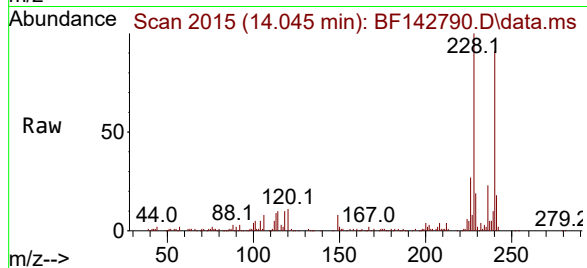




#81
Benzo(a)anthracene
Concen: 10.345 ng
RT: 14.045 min Scan# 2015
Delta R.T. 0.000 min
Lab File: BF142790.D
Acq: 19 Jun 2025 18:08

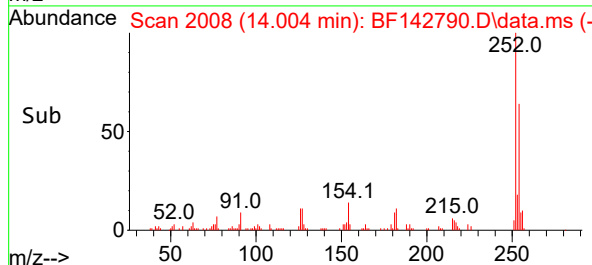
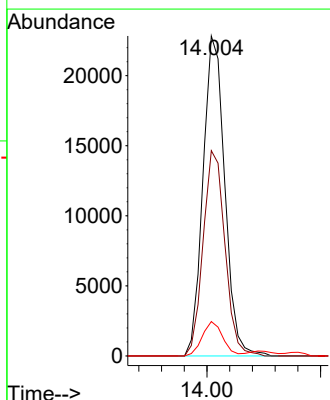
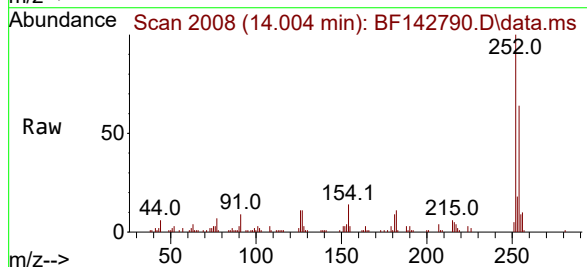
Instrument :
BNA_F
ClientSampleId :
SSTDICC010

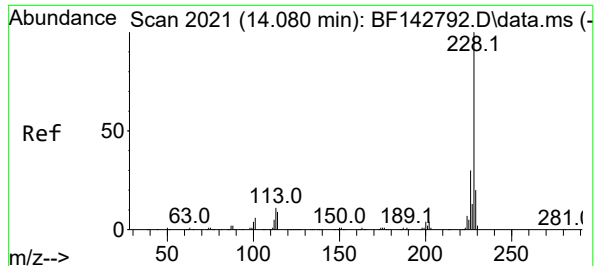
Tgt Ion:228 Resp: 103495
Ion Ratio Lower Upper
228 100
226 27.0 21.2 31.8
229 19.1 15.6 23.4



#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 :

SSTDIC010

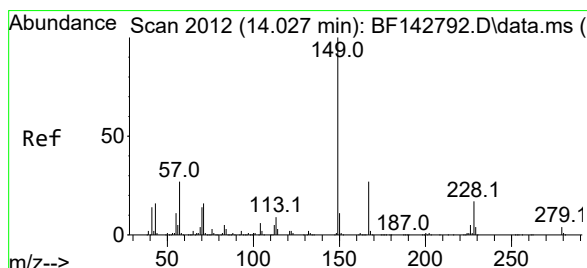
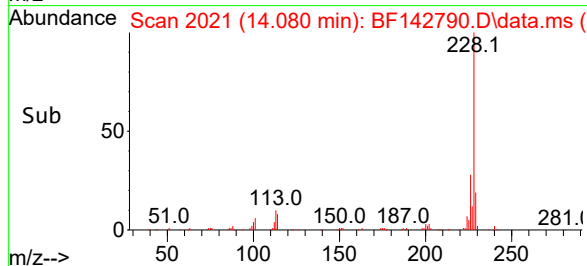
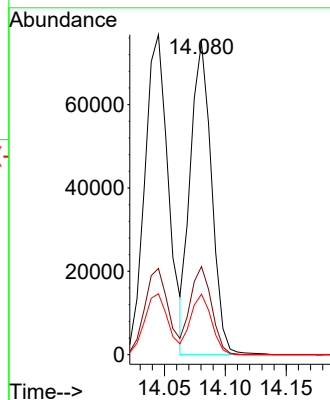
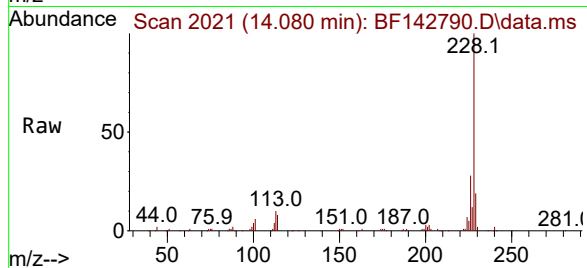
Tgt Ion:228 Resp: 90725

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

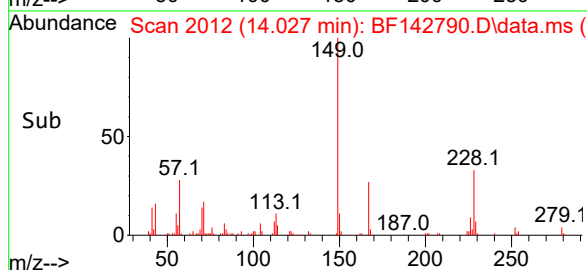
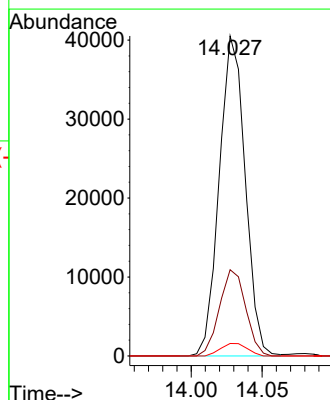
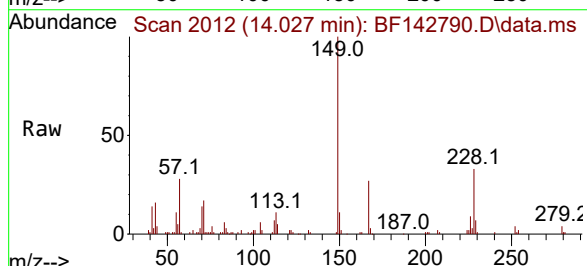
Tgt Ion:149 Resp: 51432

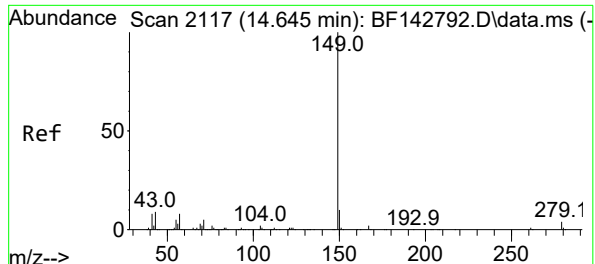
Ion Ratio Lower Upper

149 100

167 27.0 21.4 32.0

279 3.9 3.0 4.6

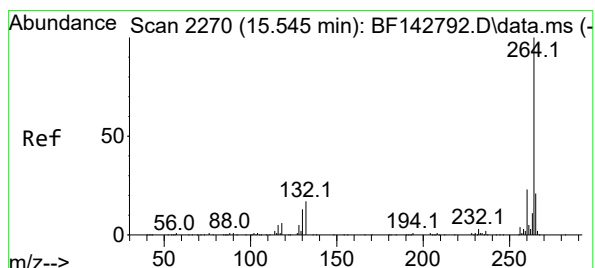
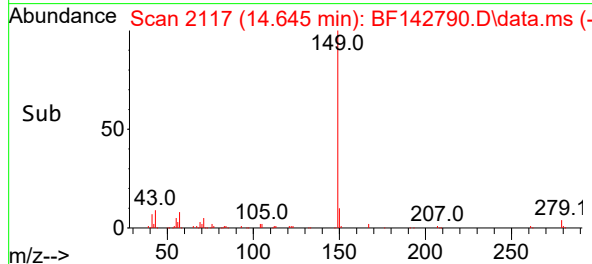
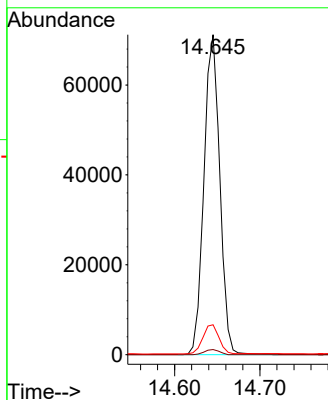
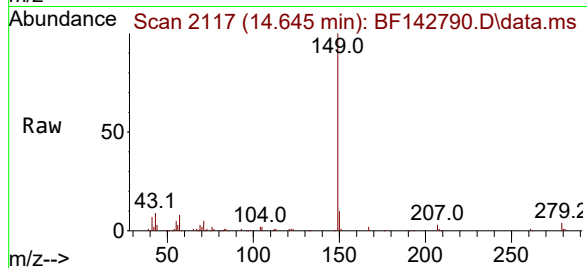




#85
Di-n-octyl phthalate
Concen: 7.805 ng
RT: 14.645 min Scan# 2117
Delta R.T. 0.000 min
Lab File: BF142790.D
Acq: 19 Jun 2025 18:08

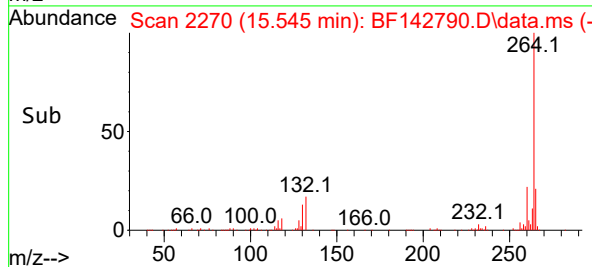
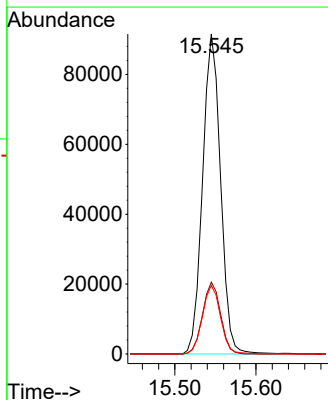
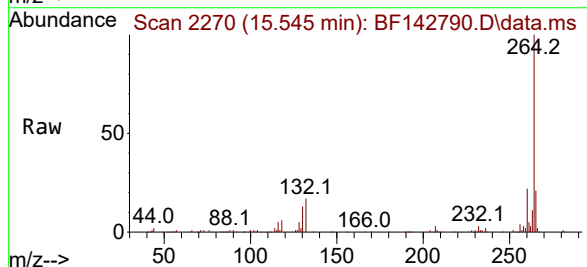
Instrument :
BNA_F
ClientSampleId :
SSTDICC010

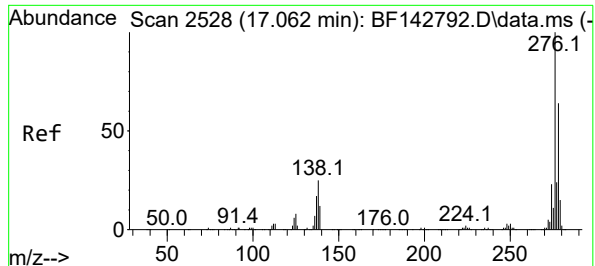
Tgt Ion	Ratio	Lower	Upper
149	100		
167	1.5	1.3	1.9
43	9.3	7.6	11.4



#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

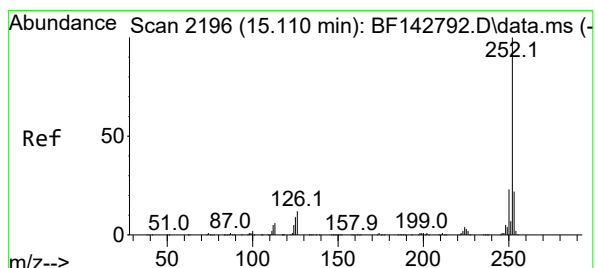
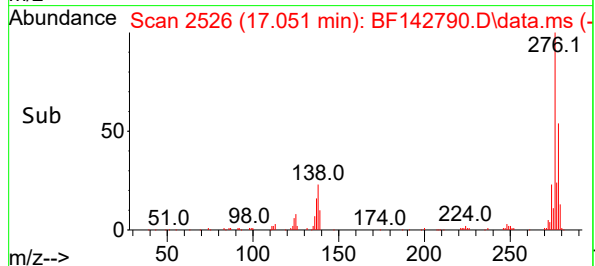
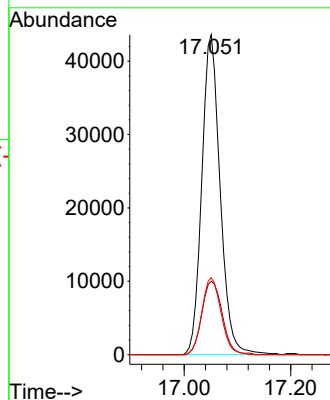
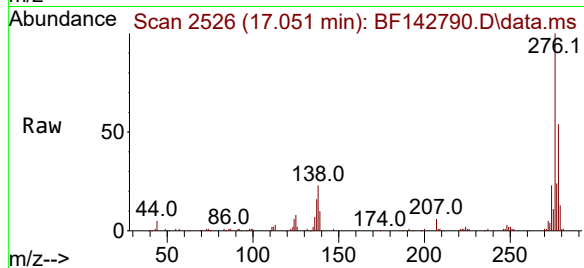
Tgt Ion:276 Resp: 104445

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

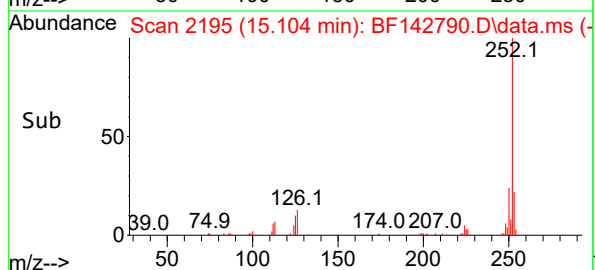
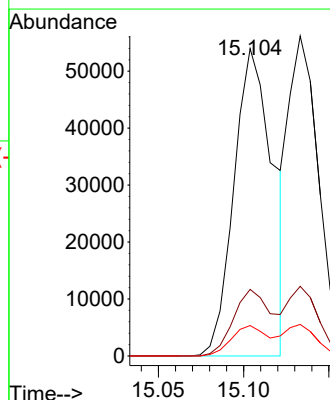
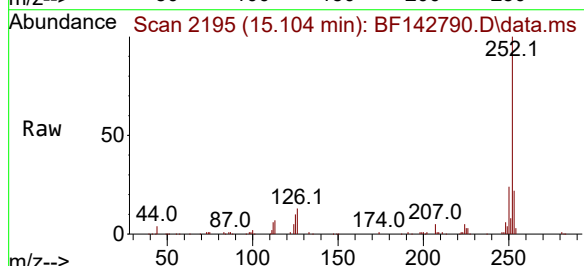
Tgt Ion:252 Resp: 85689

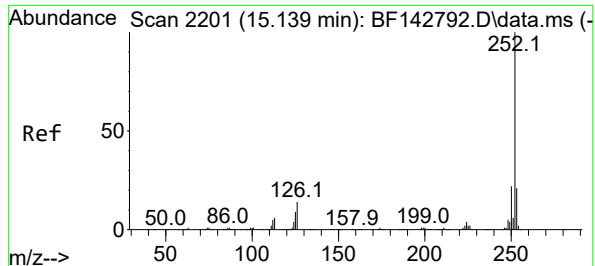
Ion Ratio Lower Upper

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

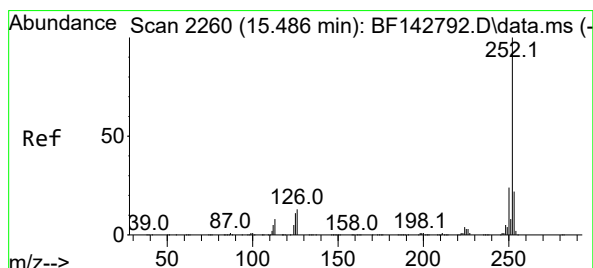
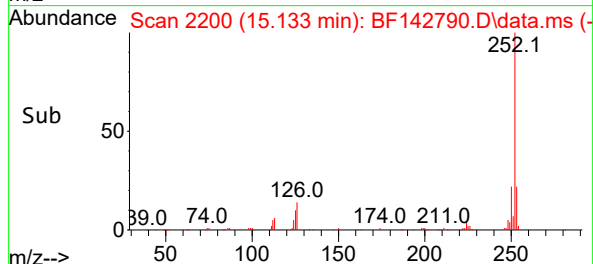
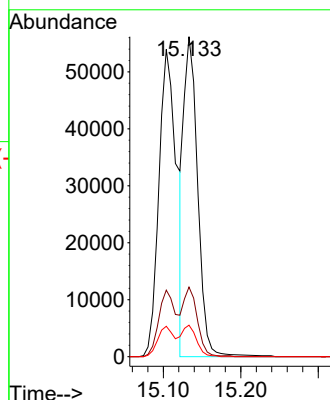
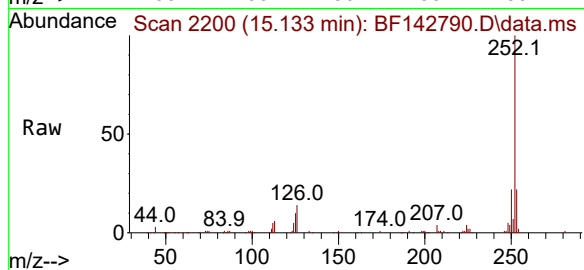
Tgt Ion:252 Resp: 70470

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

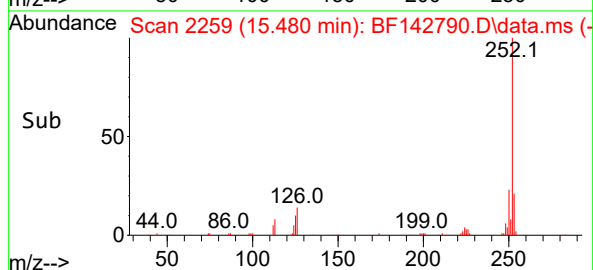
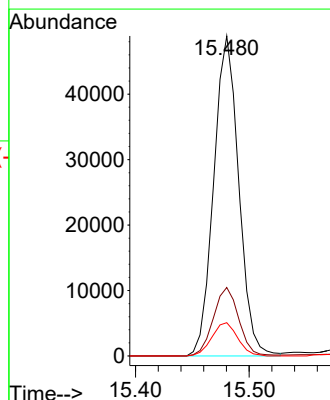
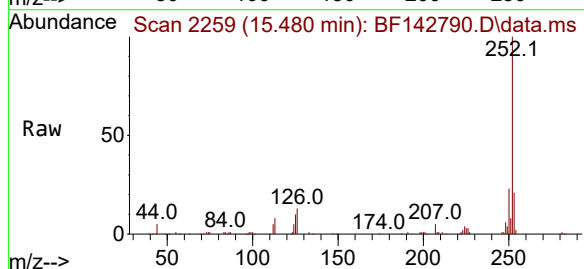
Tgt Ion:252 Resp: 74803

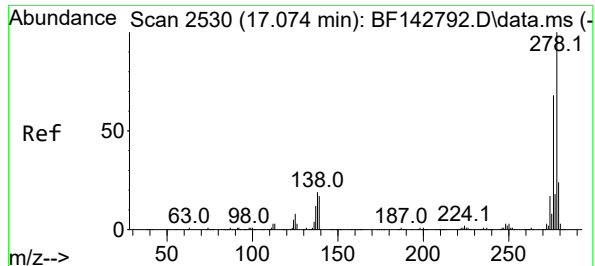
Ion Ratio Lower Upper

252 100

253 21.4 17.5 26.3

125 10.4 8.6 12.8

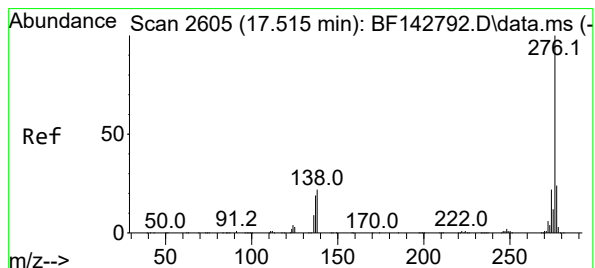
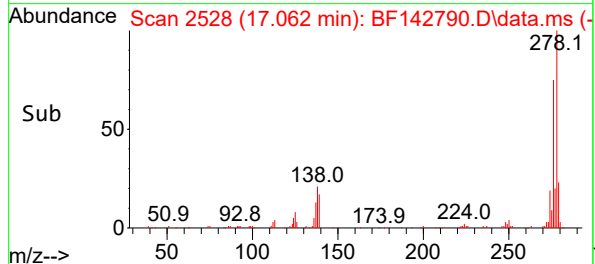
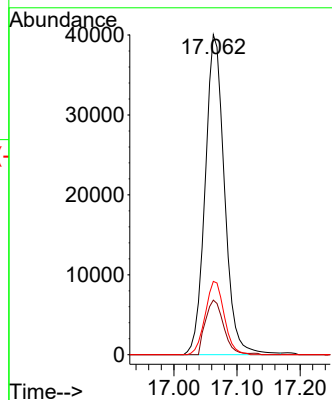
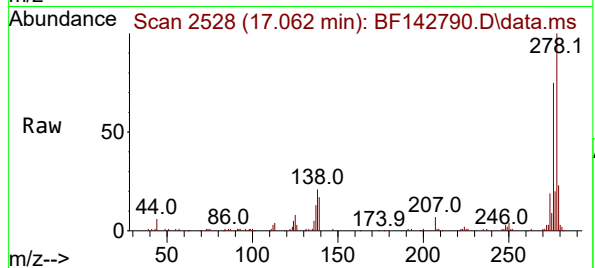




#91
Dibenzo(a,h)anthracene
Concen: 10.099 ng
RT: 17.062 min Scan# 21
Delta R.T. -0.012 min
Lab File: BF142790.D
Acq: 19 Jun 2025 18:08

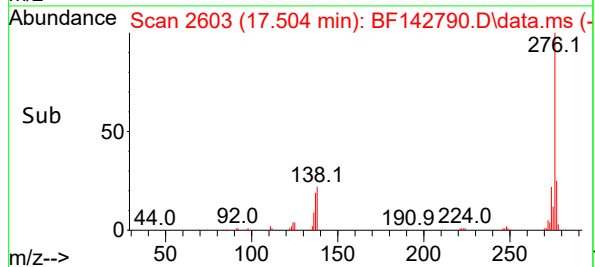
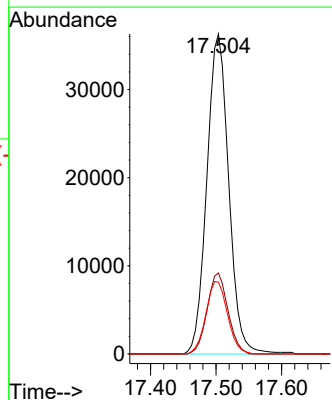
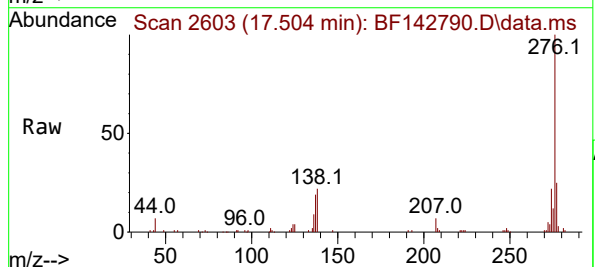
Instrument :
BNA_F
ClientSampleId :
SSTDICC010

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

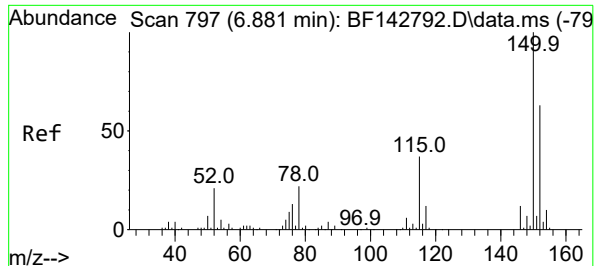
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 Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF061925.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Fri Jun 20 04:36:38 2025
 Response via : Initial Calibration

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

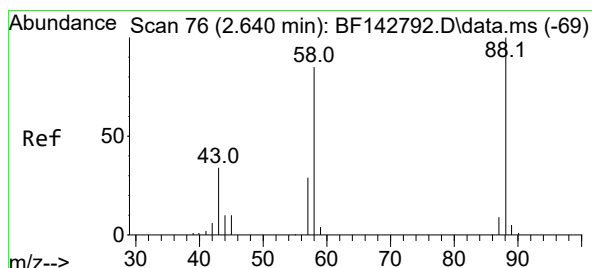
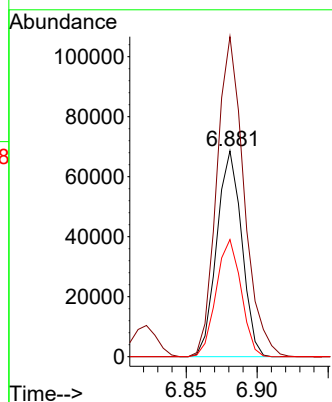
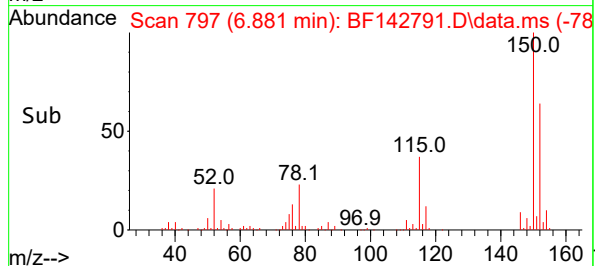
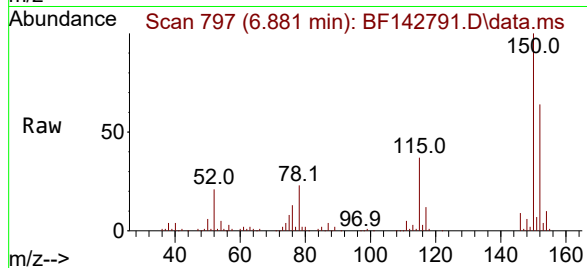
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#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.881 min Scan# 79
Delta R.T. -0.000 min
Lab File: BF142791.D
Acq: 19 Jun 2025 18:39

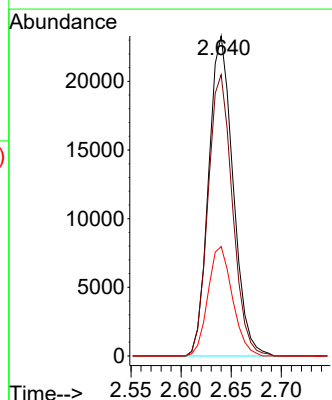
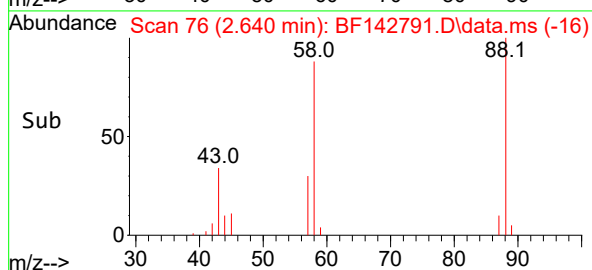
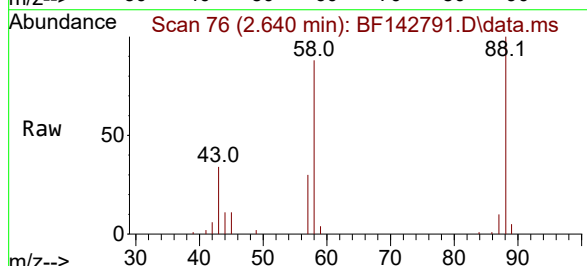
Instrument :
BNA_F
ClientSampleId :
SSTDICC020

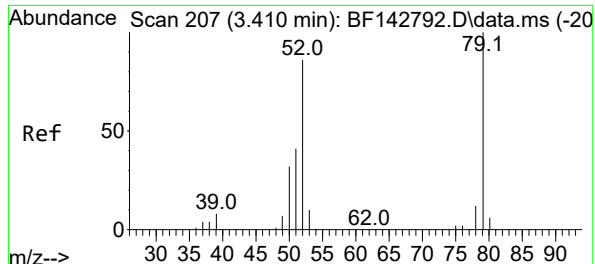
Tgt Ion:152 Resp: 83780
Ion Ratio Lower Upper
152 100
150 155.5 127.2 190.8
115 56.9 46.6 69.8



#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

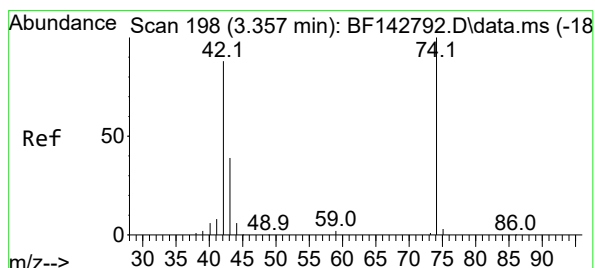
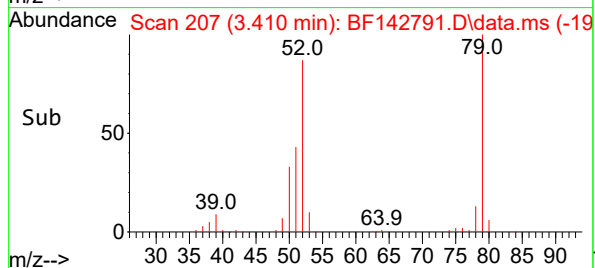
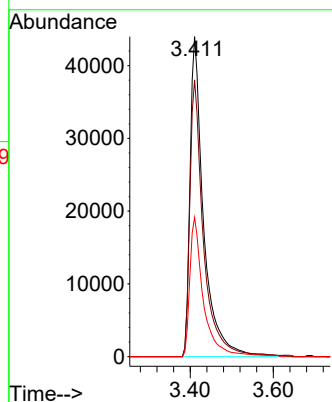
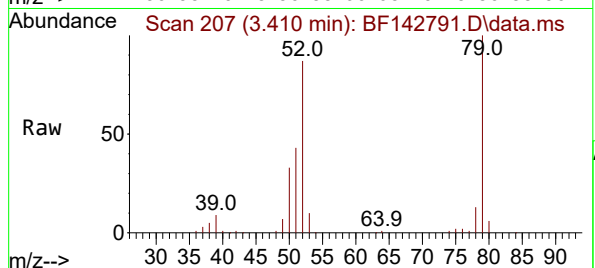
Tgt Ion: 79 Resp: 99721

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

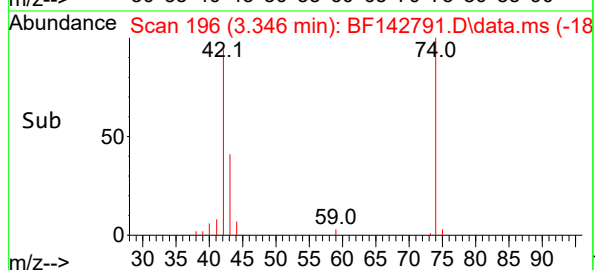
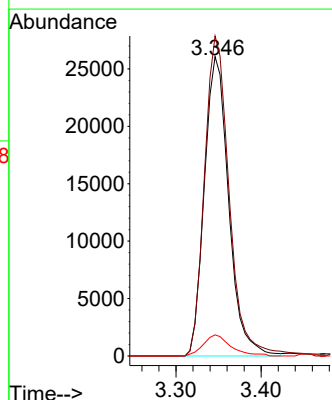
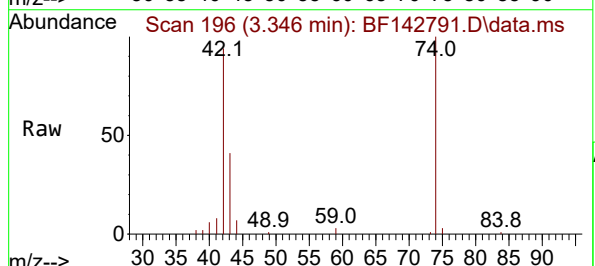
Tgt Ion: 42 Resp: 51716

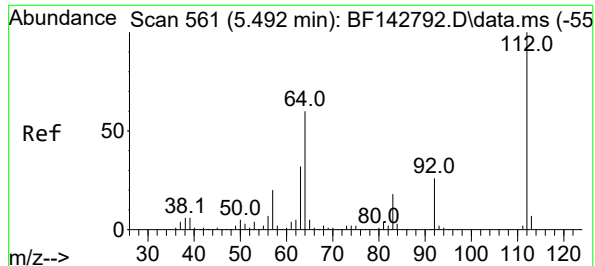
Ion Ratio Lower Upper

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

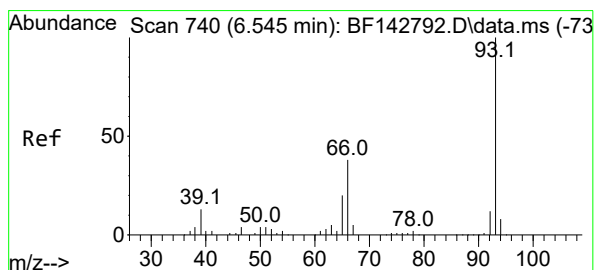
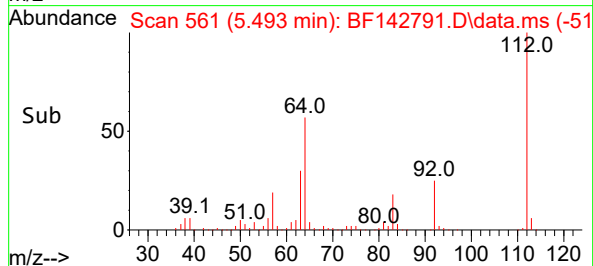
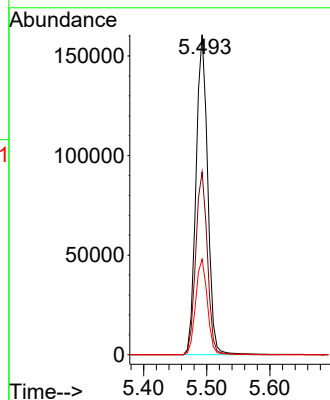
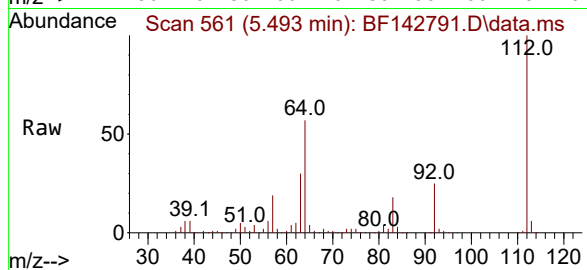
Tgt Ion:112 Resp: 206126

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

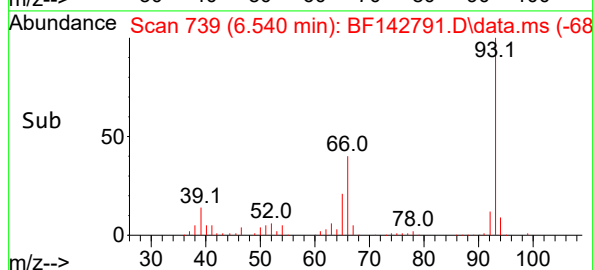
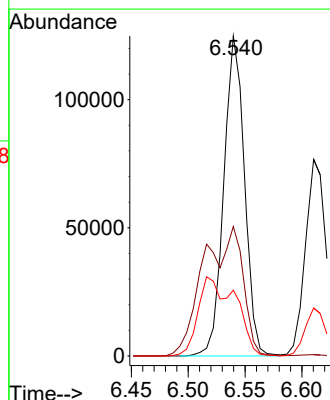
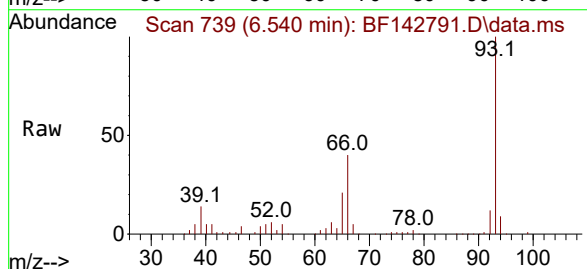
Tgt Ion: 93 Resp: 158463

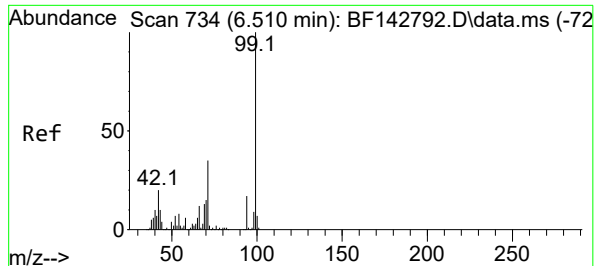
Ion Ratio Lower Upper

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

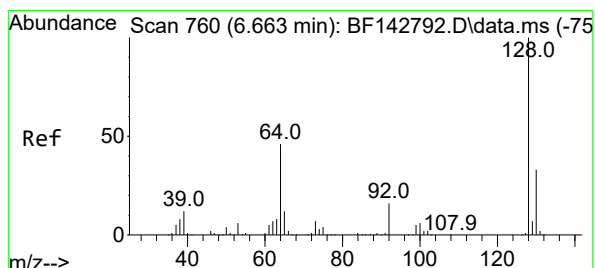
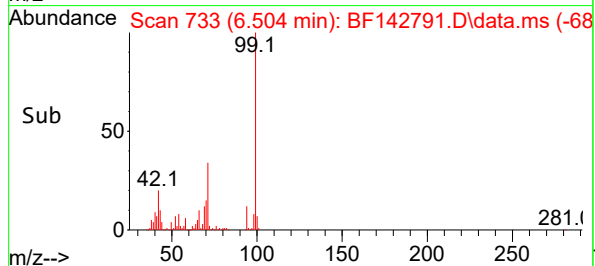
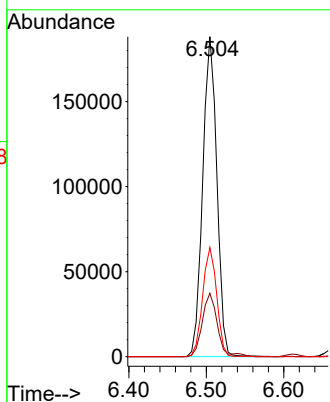
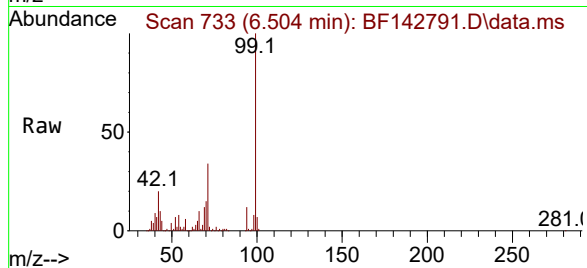
Tgt Ion: 99 Resp: 238437

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

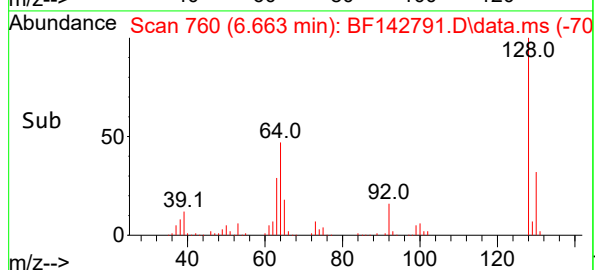
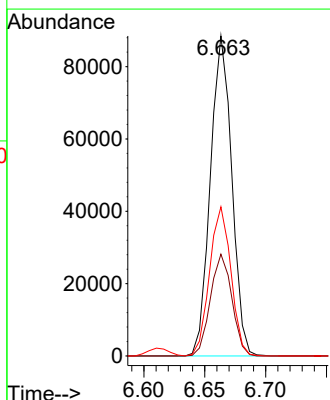
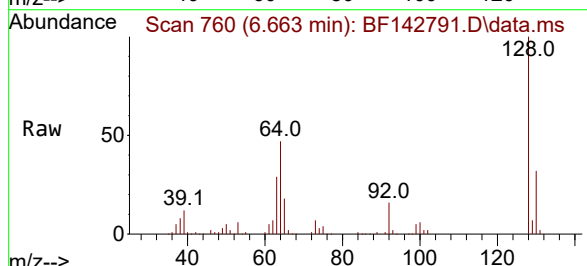
Tgt Ion:128 Resp: 108230

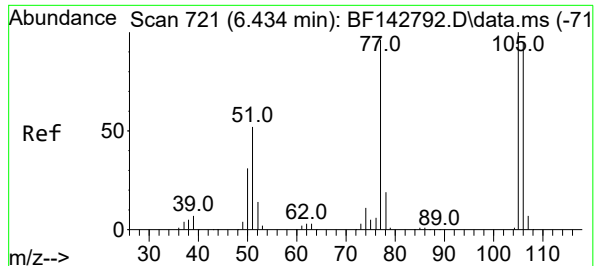
Ion Ratio Lower Upper

128 100

130 31.8 12.7 52.7

64 46.6 26.5 66.5

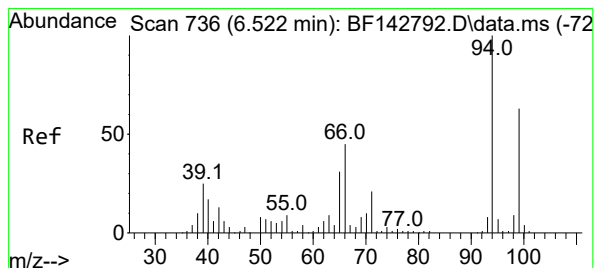
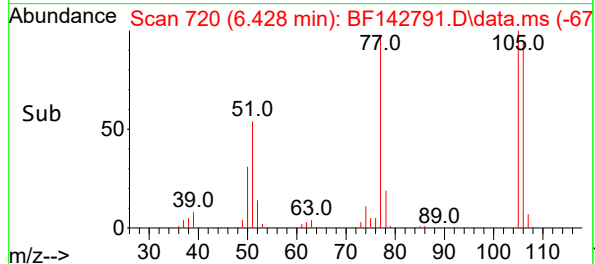
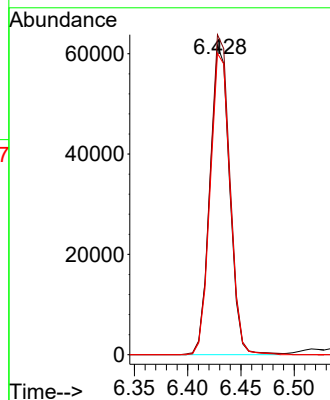
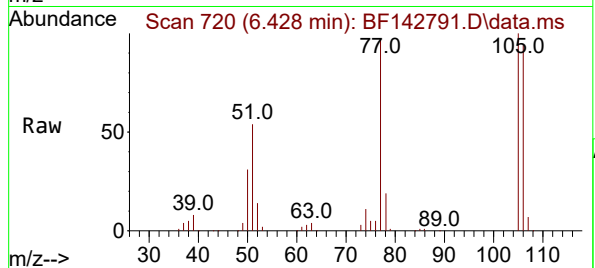




#9
Benzaldehyde
Concen: 22.467 ng
RT: 6.428 min Scan# 71
Delta R.T. -0.006 min
Lab File: BF142791.D
Acq: 19 Jun 2025 18:39

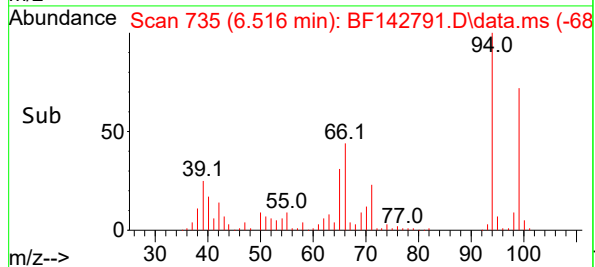
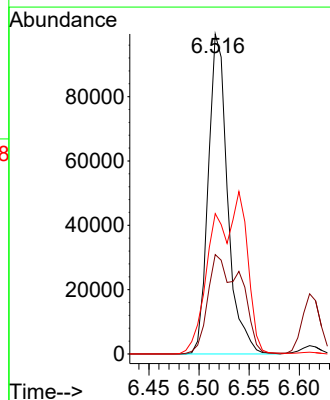
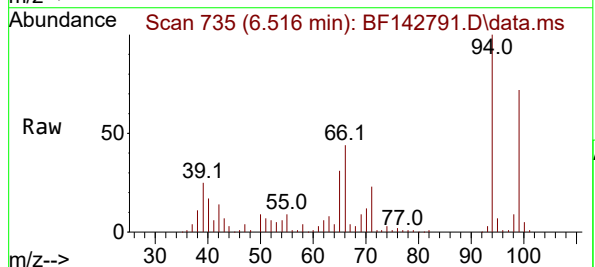
Instrument :
BNA_F
ClientSampleId :
SSTDICC020

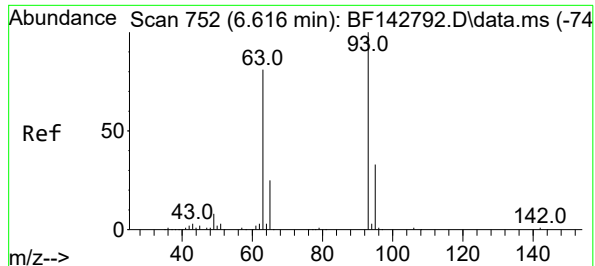
Tgt Ion: 77 Resp: 79008
Ion Ratio Lower Upper
77 100
105 103.4 83.8 123.8
106 97.4 78.7 118.7



#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

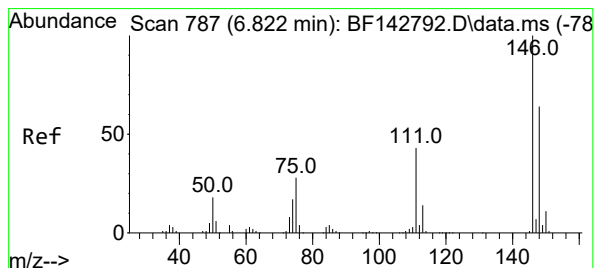
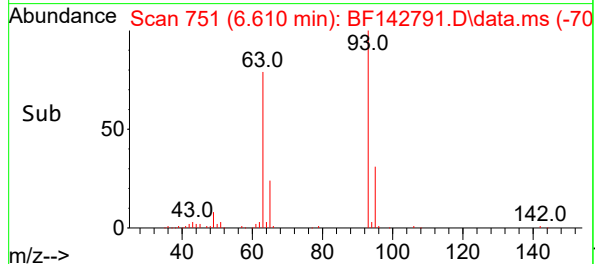
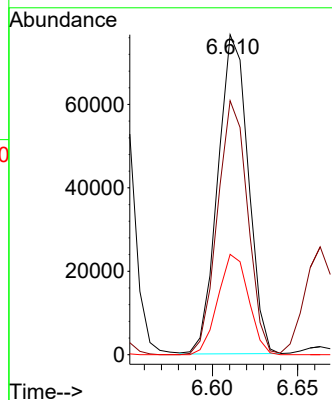
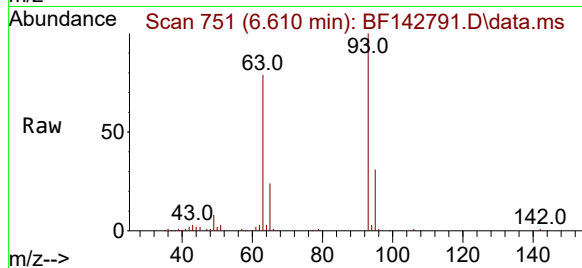




#11
bis(2-Chloroethyl)ether
Concen: 19.905 ng
RT: 6.610 min Scan# 751
Delta R.T. -0.006 min
Lab File: BF142791.D
Acq: 19 Jun 2025 18:39

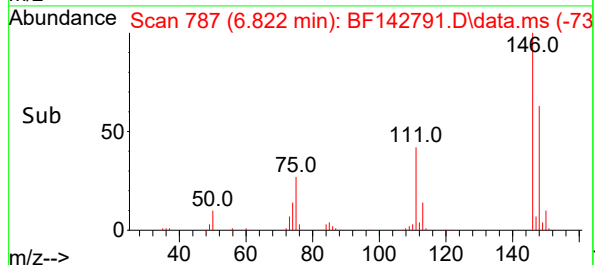
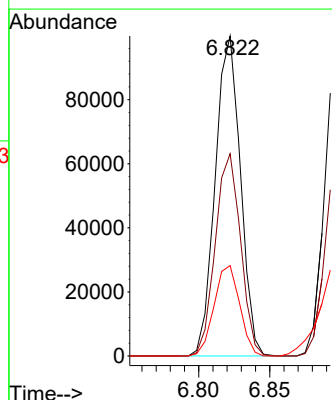
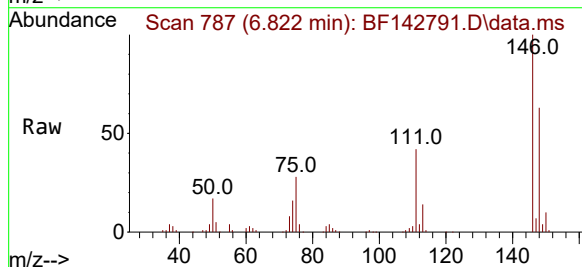
Instrument :
BNA_F
ClientSampleId :
SSTDICC020

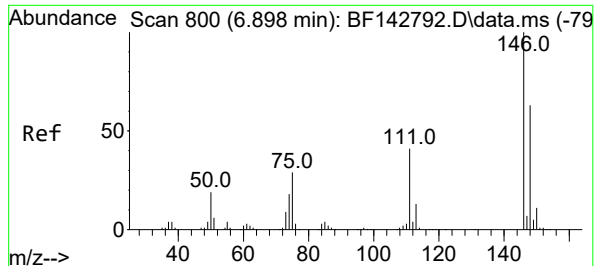
Tgt Ion: 93 Resp: 94972
Ion Ratio Lower Upper
93 100
63 79.3 60.3 100.3
95 31.3 12.5 52.5



#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

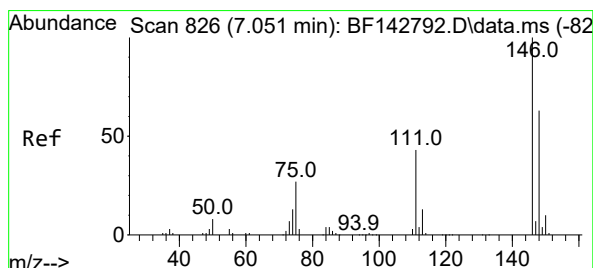
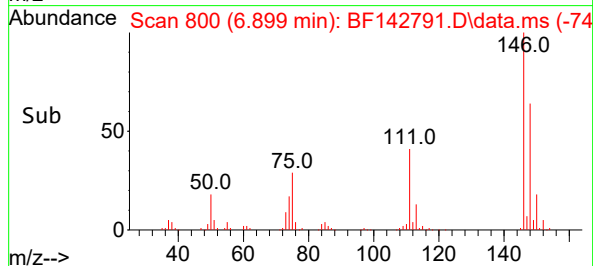
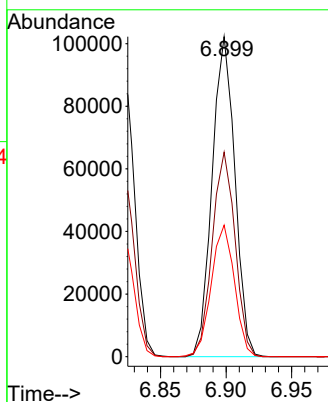
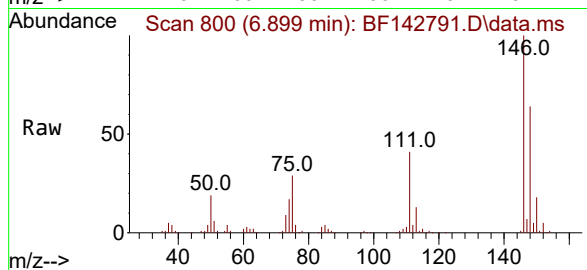
Tgt Ion:146 Resp: 123337

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

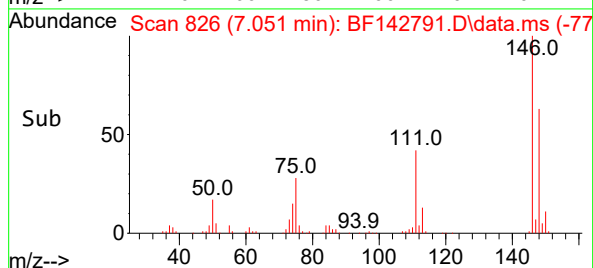
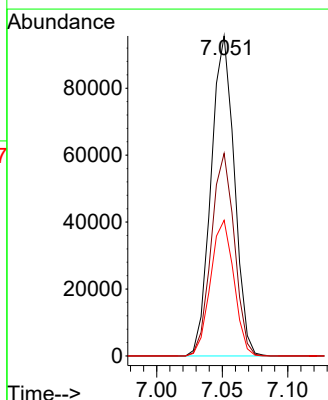
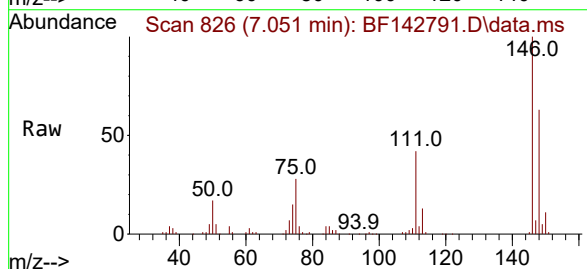
Tgt Ion:146 Resp: 118033

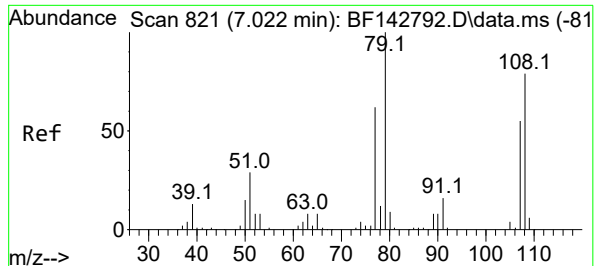
Ion Ratio Lower Upper

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

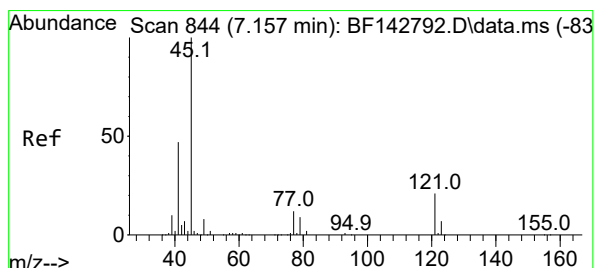
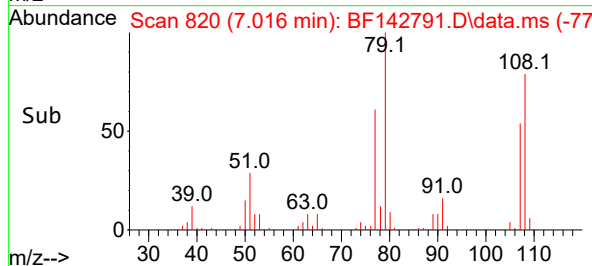
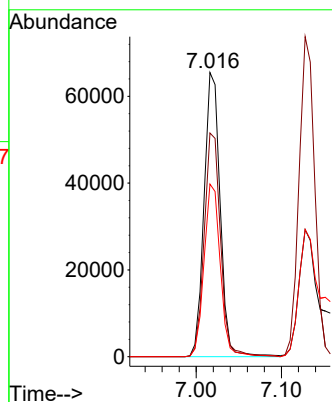
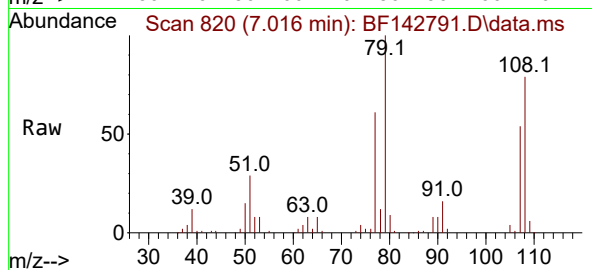
Tgt Ion: 79 Resp: 85856

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

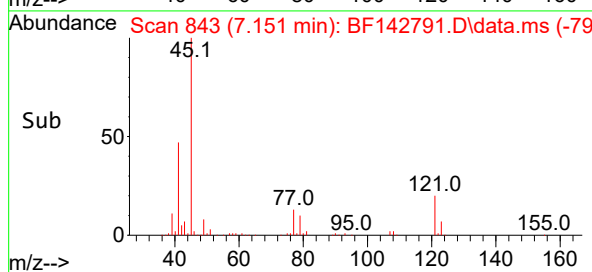
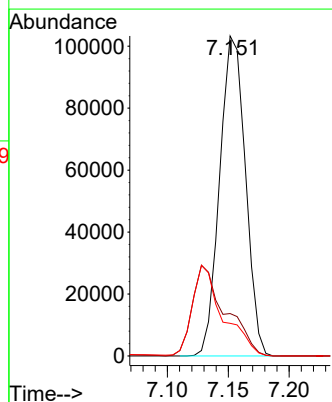
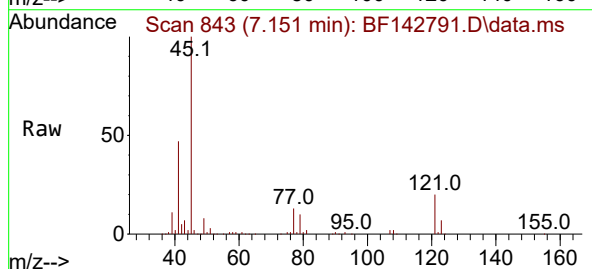
Tgt Ion: 45 Resp: 152035

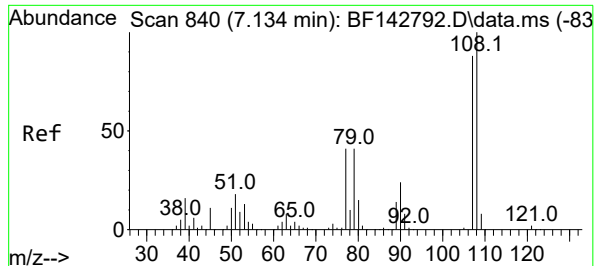
Ion Ratio Lower Upper

45 100

77 13.2 0.0 32.8

79 10.2 0.0 29.8

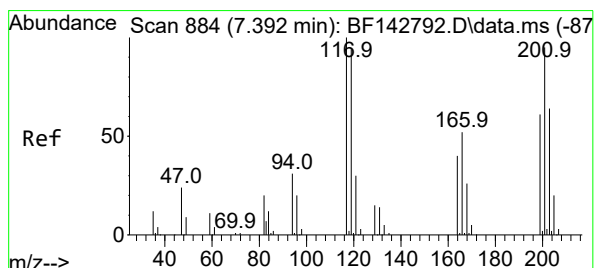
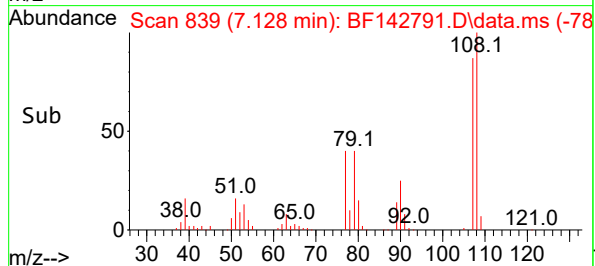
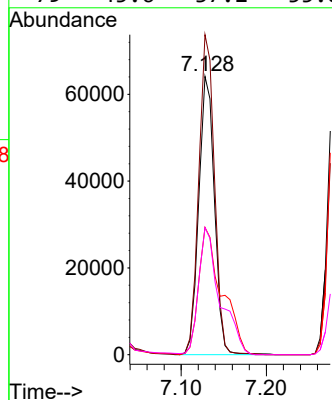
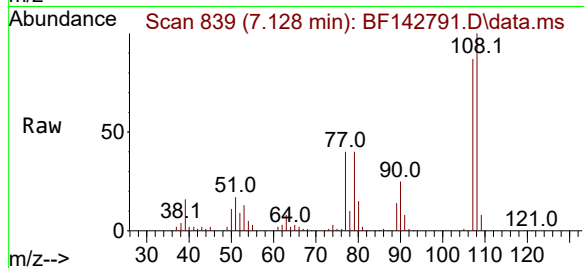




#17
2-Methylphenol
Concen: 20.077 ng
RT: 7.128 min Scan# 811
Delta R.T. -0.006 min
Lab File: BF142791.D
Acq: 19 Jun 2025 18:39

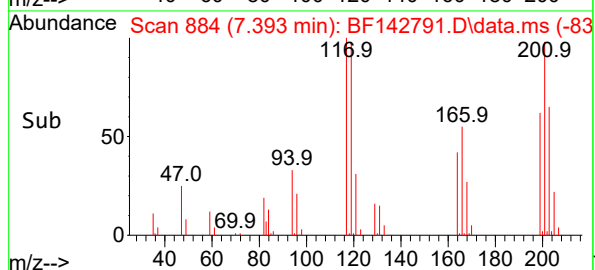
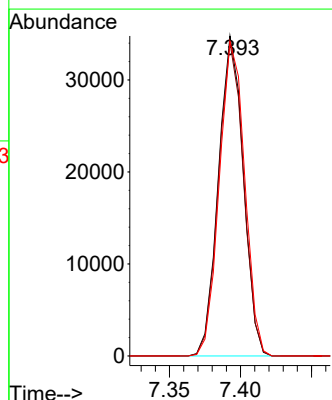
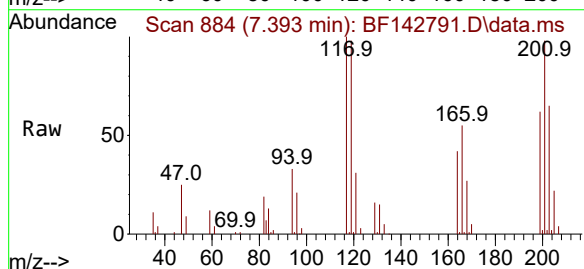
Instrument :
BNA_F
ClientSampleId :
SSTDICC020

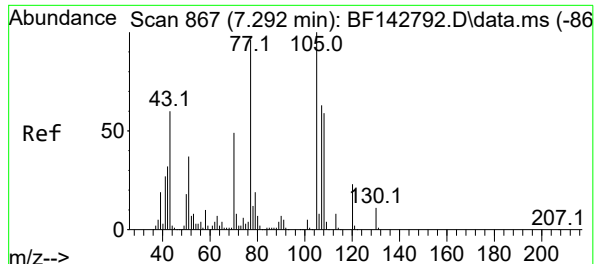
Tgt Ion:107 Resp: 82097
Ion Ratio Lower Upper
107 100
108 115.0 90.9 136.3
77 45.7 37.3 55.9
79 45.6 37.2 55.8



#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

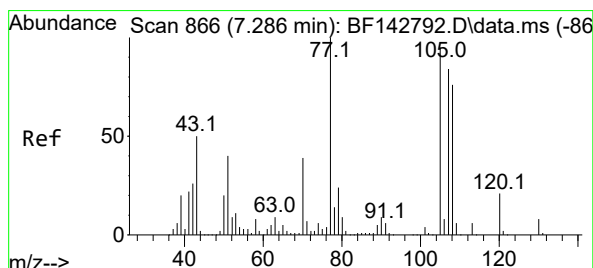
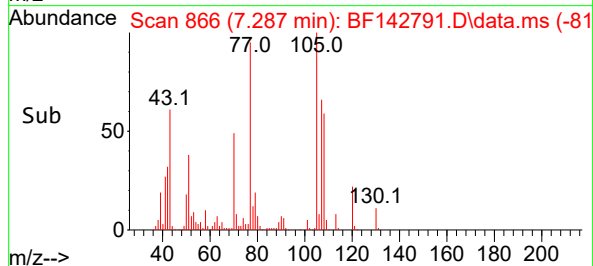
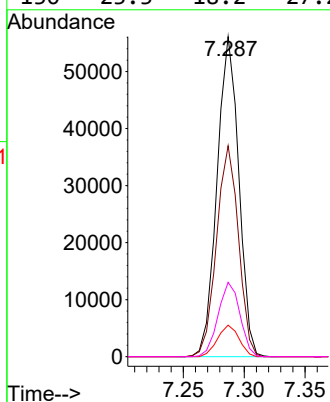
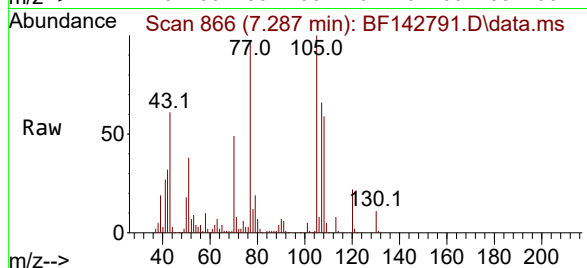
Ion Ratio Lower Upper

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

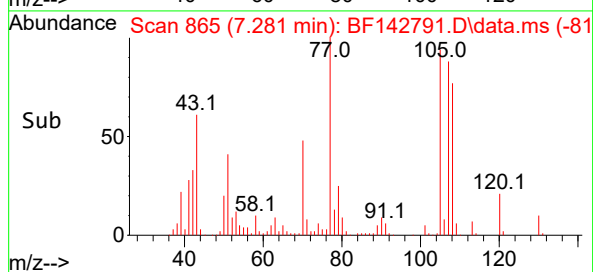
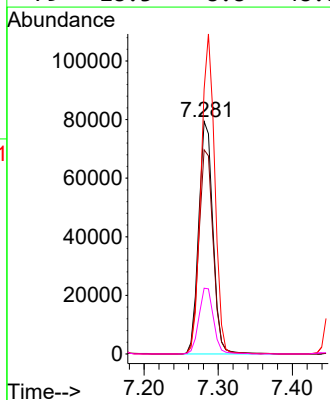
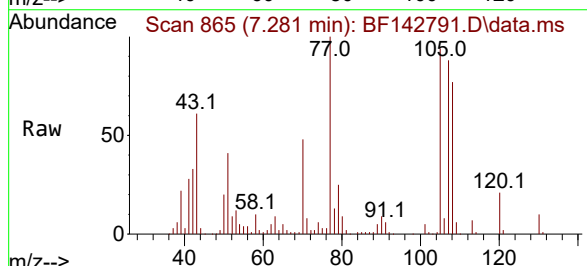
Ion Ratio Lower Upper

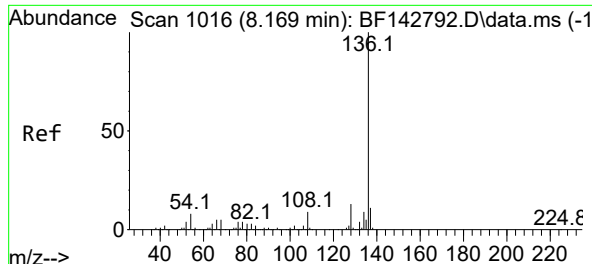
107 100

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

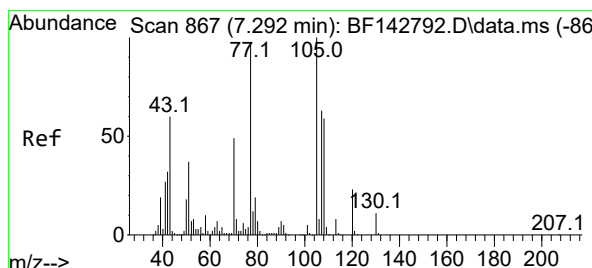
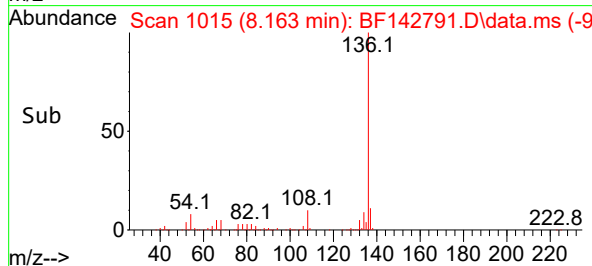
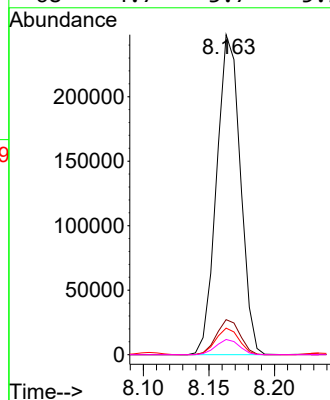
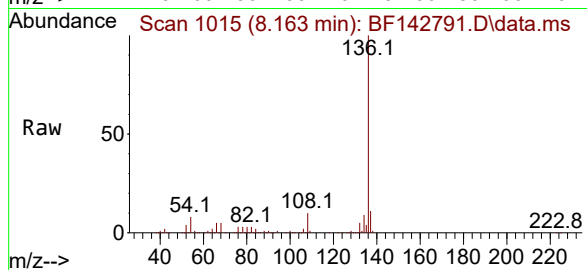
Ion Ratio Lower Upper

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

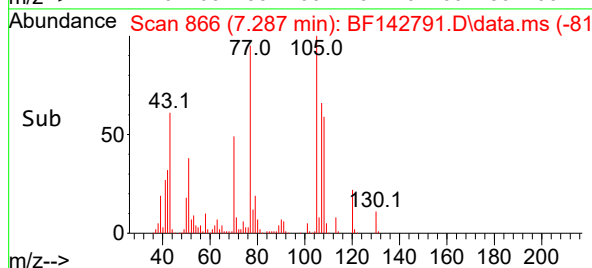
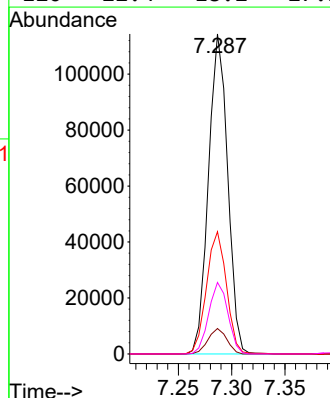
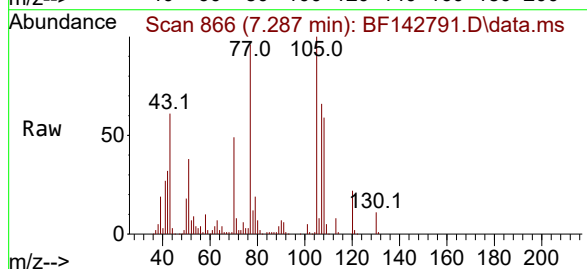
Ion Ratio Lower Upper

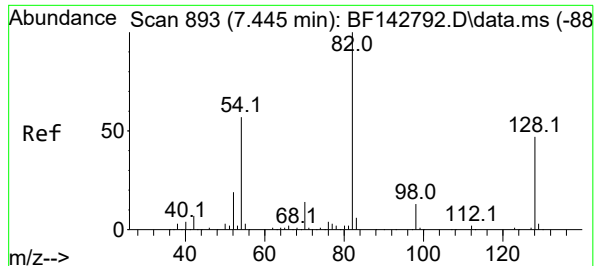
105 100

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

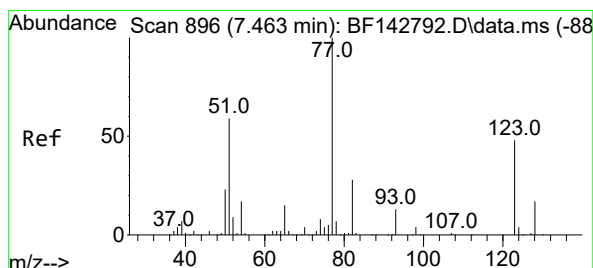
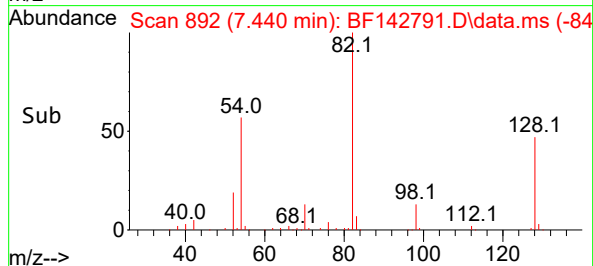
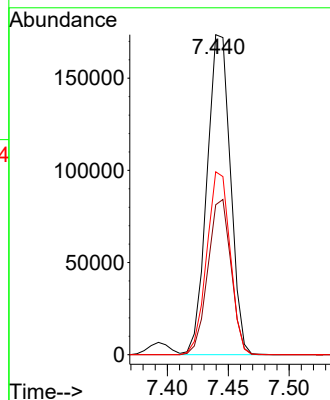
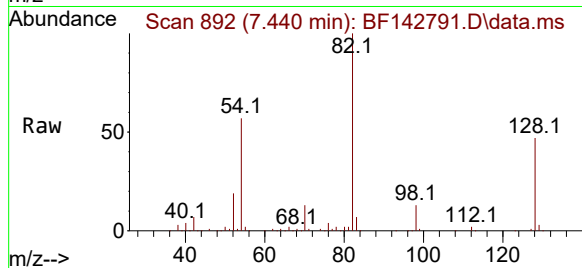
Tgt Ion: 82 Resp: 233268

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

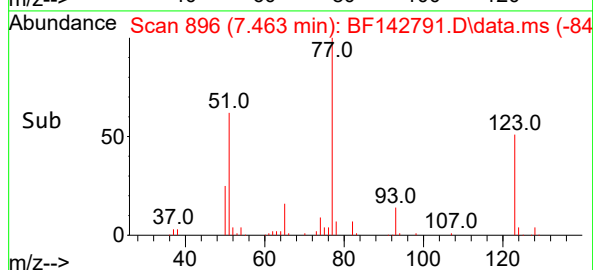
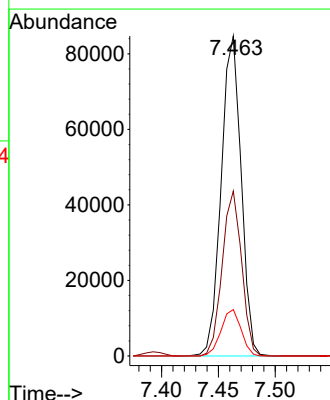
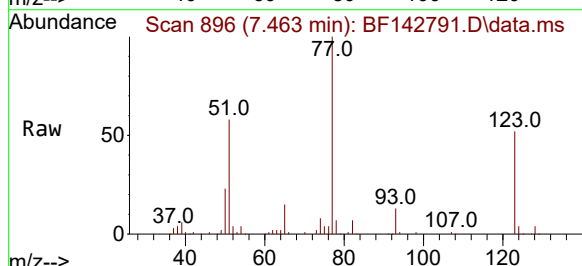
Tgt Ion: 77 Resp: 103569

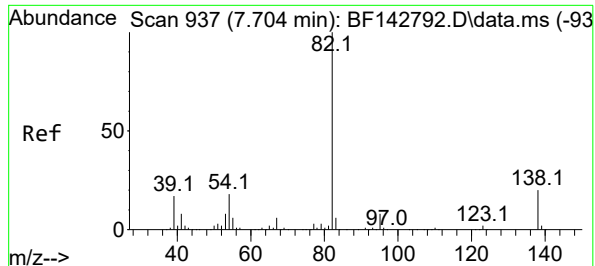
Ion Ratio Lower Upper

77 100

123 51.6 39.2 58.8

65 14.5 11.6 17.4

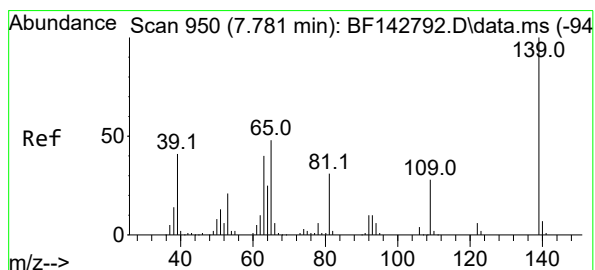
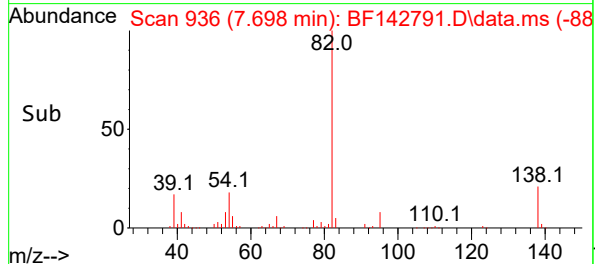
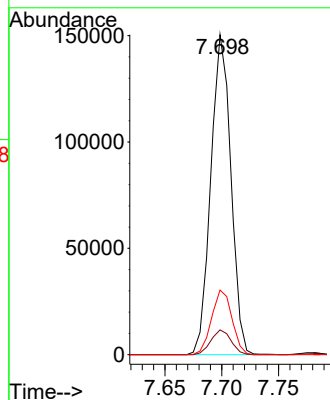
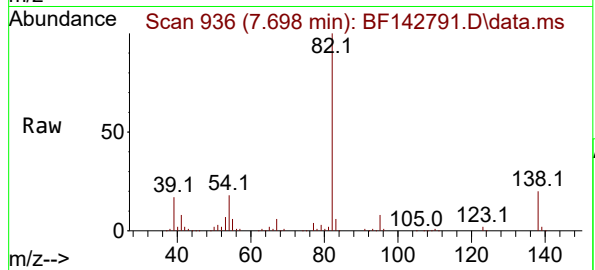




#25
Isophorone
Concen: 19.365 ng
RT: 7.698 min Scan# 91
Delta R.T. -0.006 min
Lab File: BF142791.D
Acq: 19 Jun 2025 18:39

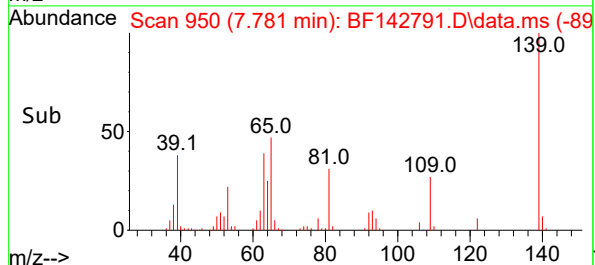
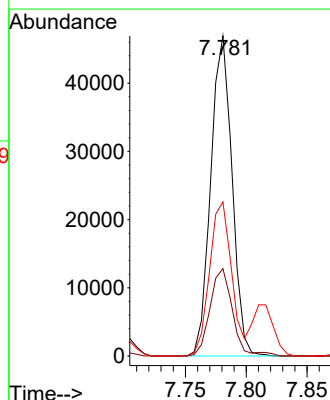
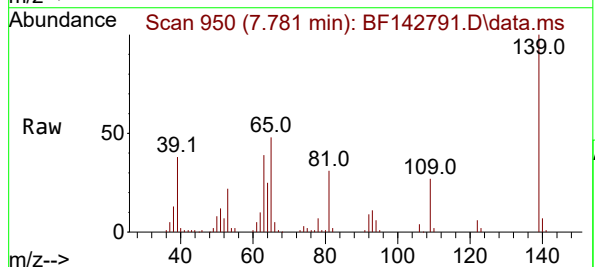
Instrument :
BNA_F
ClientSampleId :
SSTDICC020

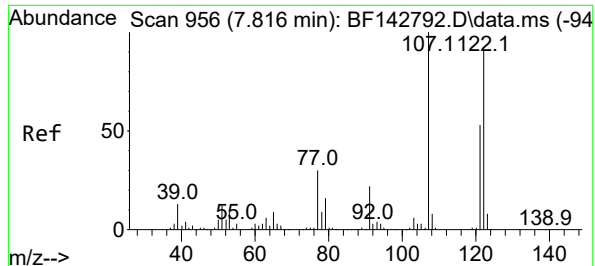
Tgt Ion: 82 Resp: 185071
Ion Ratio Lower Upper
82 100
95 7.8 6.2 9.2
138 20.2 16.2 24.4



#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

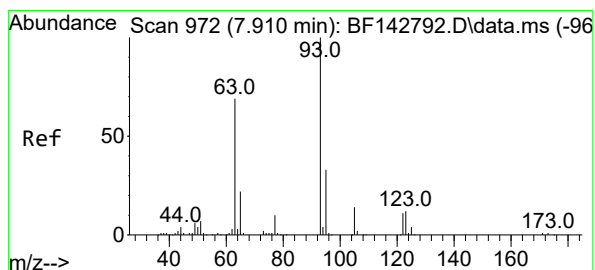
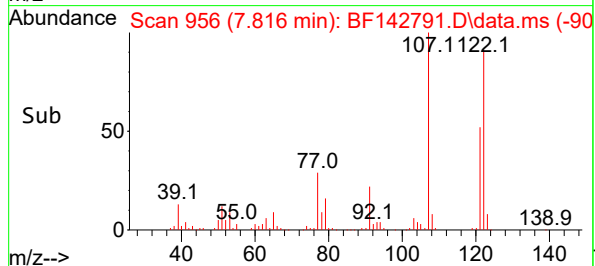
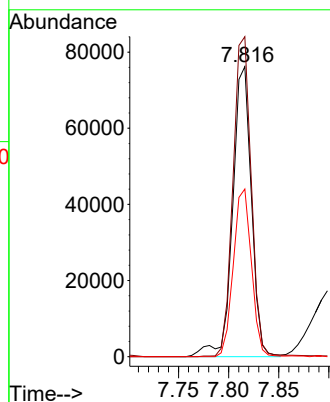
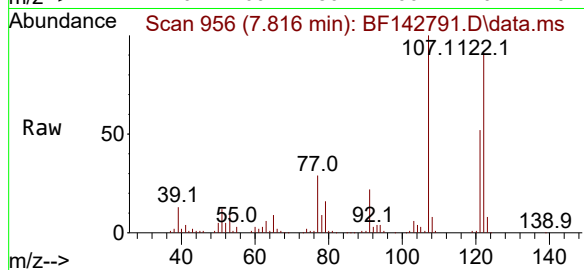
Tgt Ion:122 Resp: 99256

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

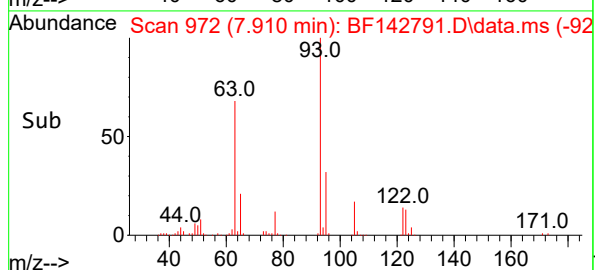
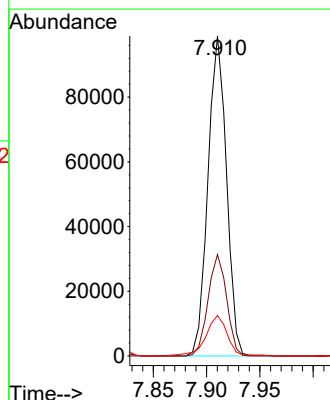
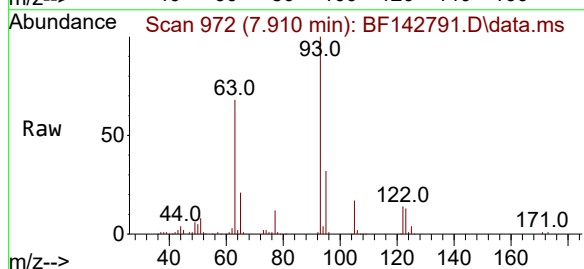
Tgt Ion: 93 Resp: 119505

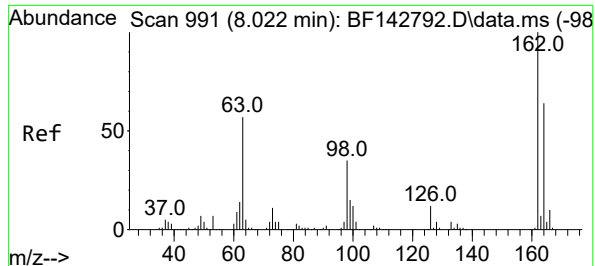
Ion Ratio Lower Upper

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

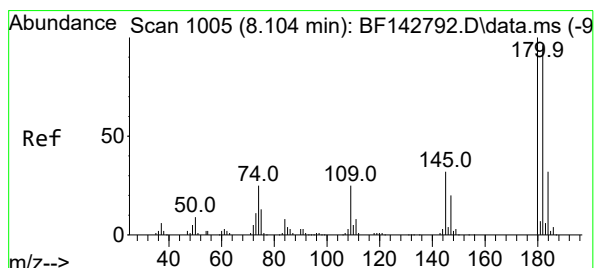
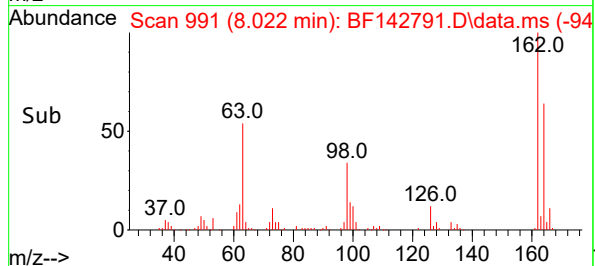
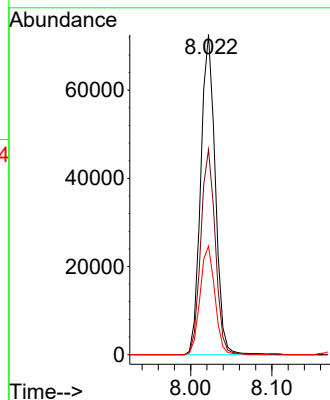
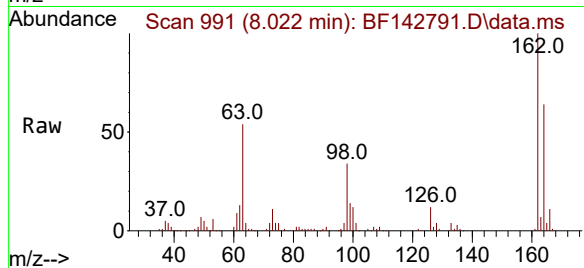
Tgt Ion:162 Resp: 90497

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

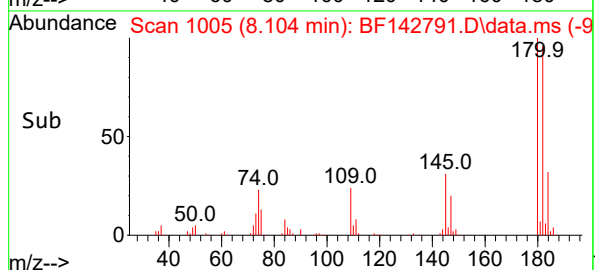
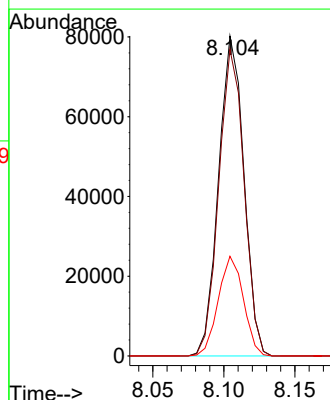
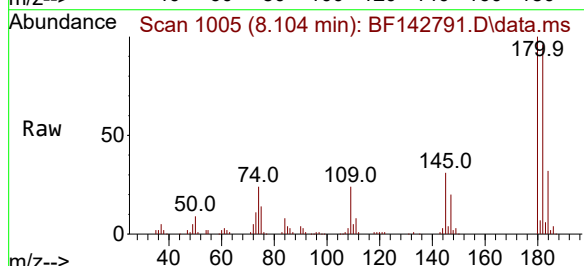
Tgt Ion:180 Resp: 99320

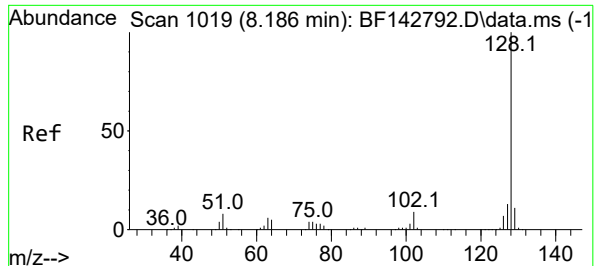
Ion Ratio Lower Upper

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

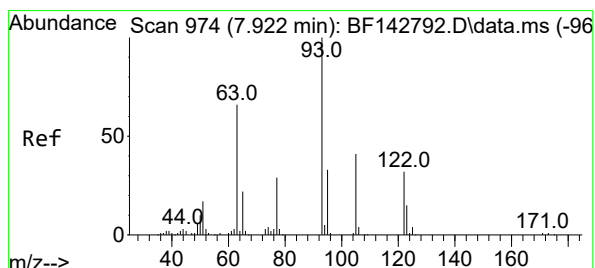
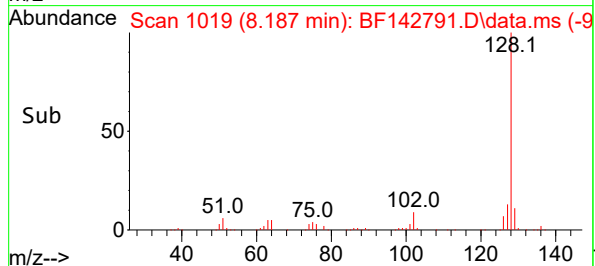
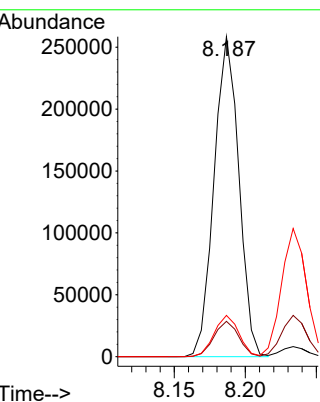
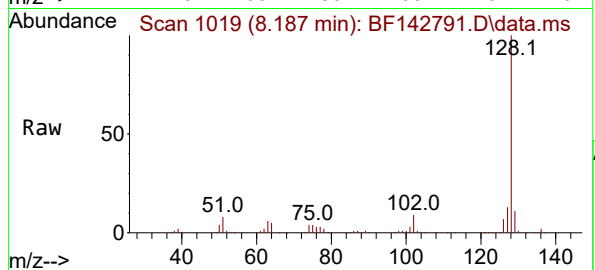
Tgt Ion:128 Resp: 313467

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

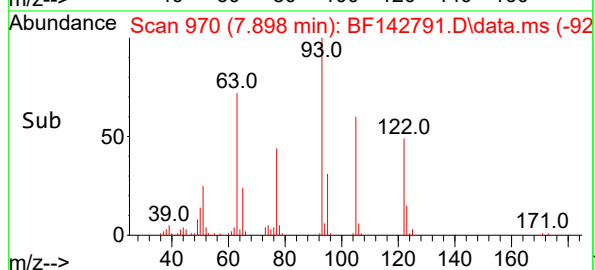
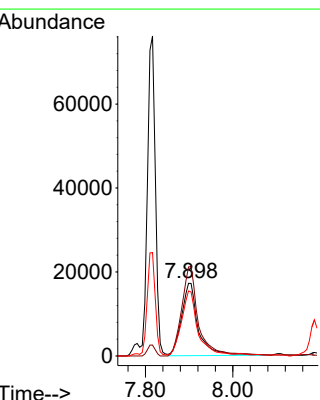
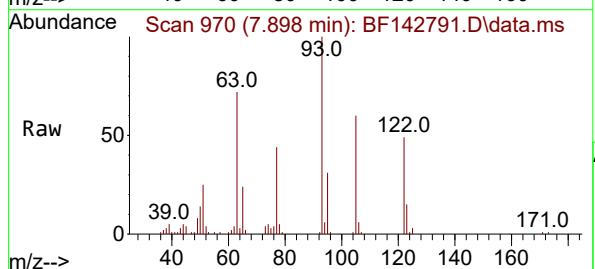
Tgt Ion:122 Resp: 45969

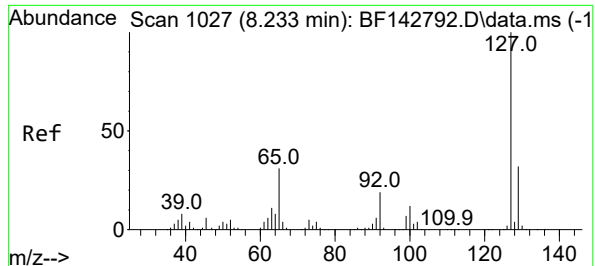
Ion Ratio Lower Upper

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

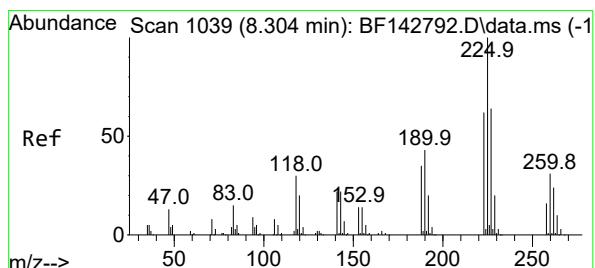
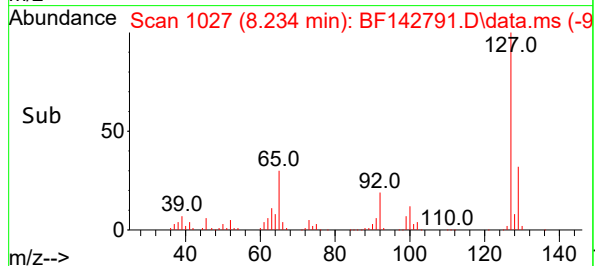
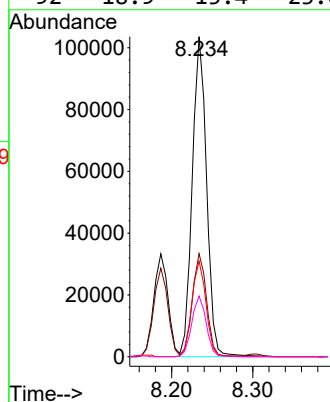
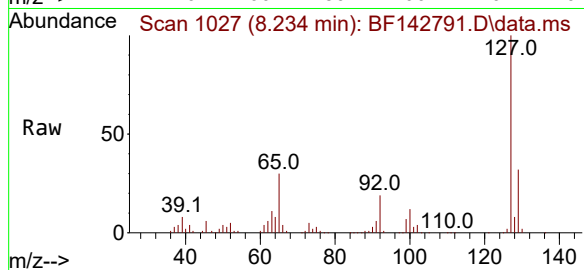
Ion Ratio Lower Upper

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

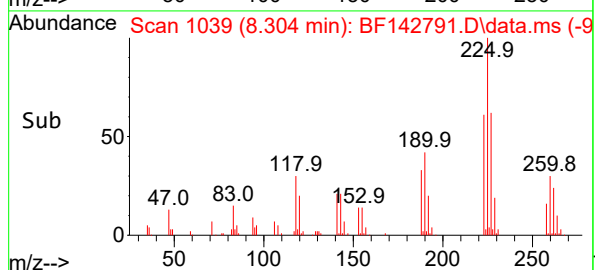
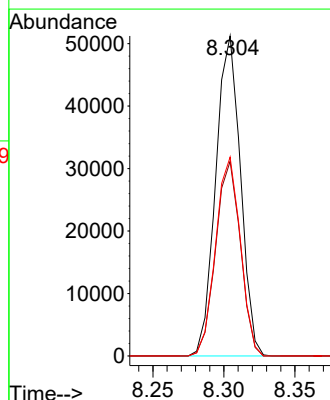
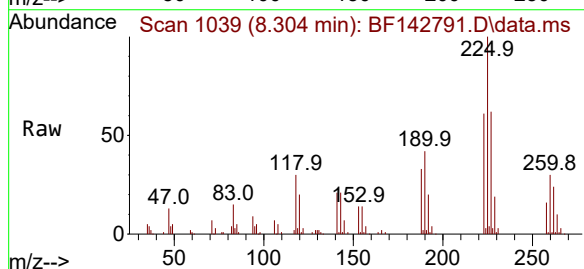
Tgt Ion:225 Resp: 61994

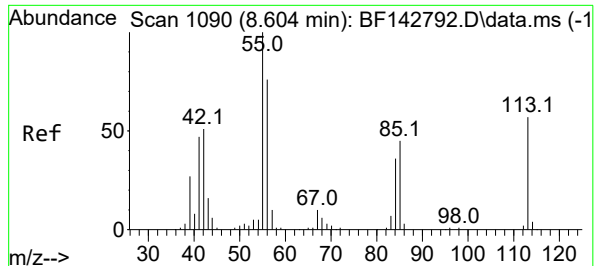
Ion Ratio Lower Upper

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# 1108

Delta R.T. -0.017 min

Lab File: BF142791.D

Acq: 19 Jun 2025 18:39

Instrument :

BNA_F

ClientSampleId :

SSTDICC020

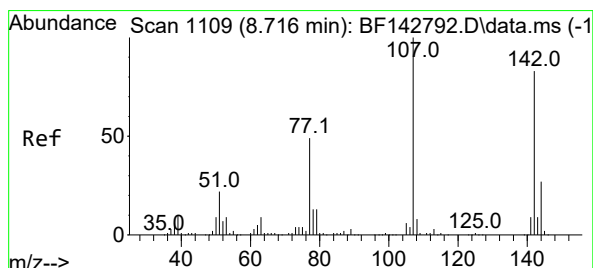
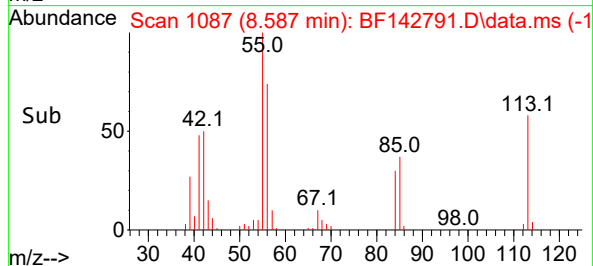
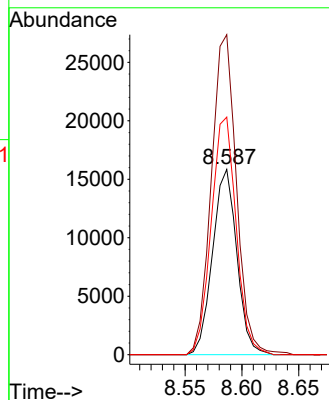
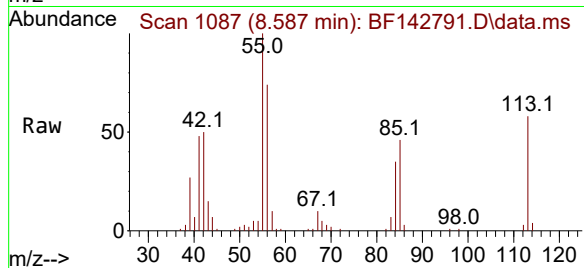
Tgt Ion:113 Resp: 23555

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

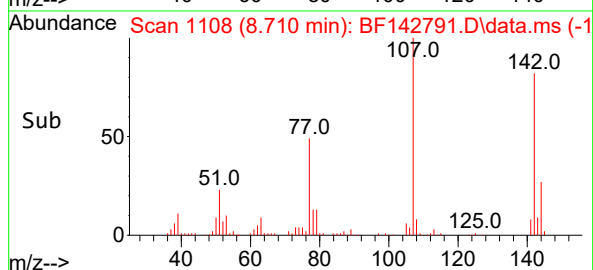
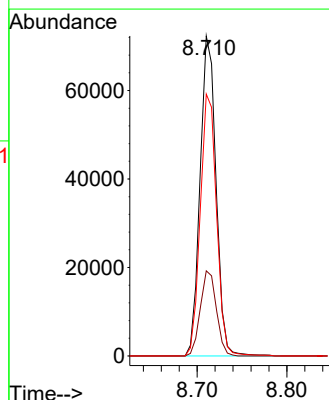
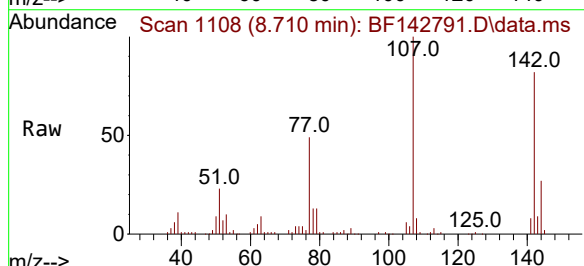
Tgt Ion:107 Resp: 89279

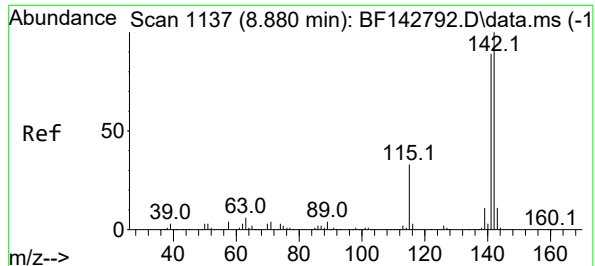
Ion Ratio Lower Upper

107 100

144 26.6 21.3 31.9

142 81.8 66.6 100.0

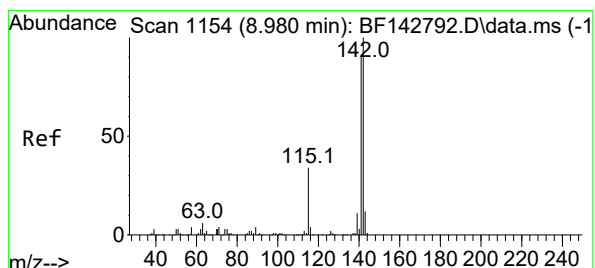
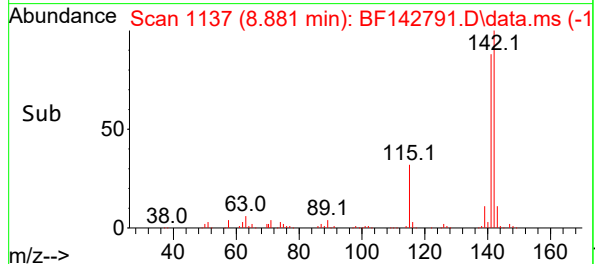
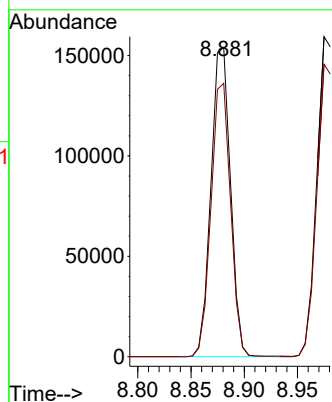
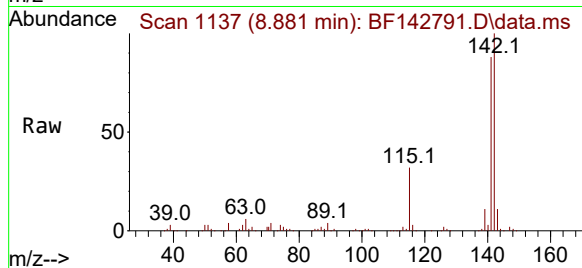




#37
2-Methylnaphthalene
Concen: 20.287 ng
RT: 8.881 min Scan# 1137
Delta R.T. 0.000 min
Lab File: BF142791.D
Acq: 19 Jun 2025 18:39

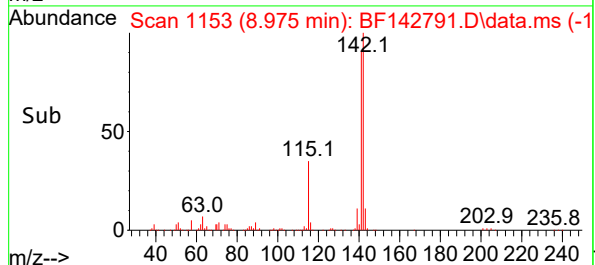
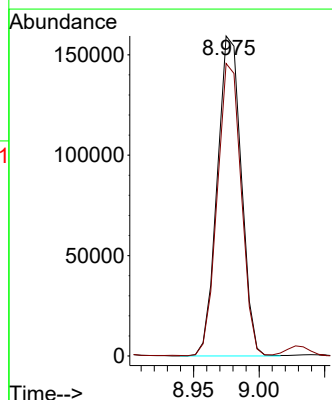
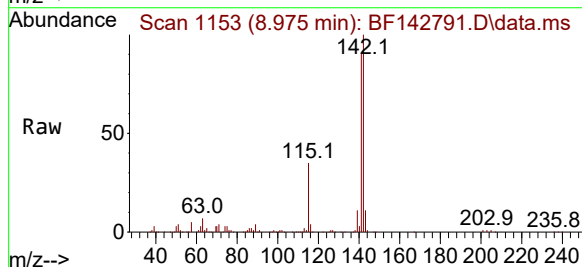
Instrument :
BNA_F
ClientSampleId :
SSTDICC020

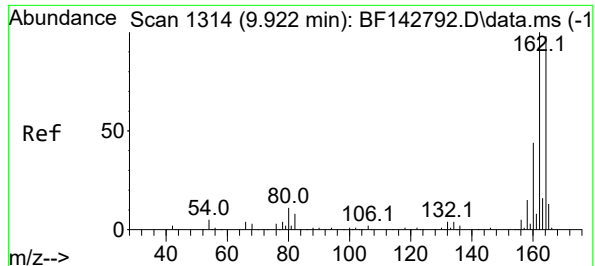
Tgt Ion:142 Resp: 196609
Ion Ratio Lower Upper
142 100
141 88.5 70.9 106.3



#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

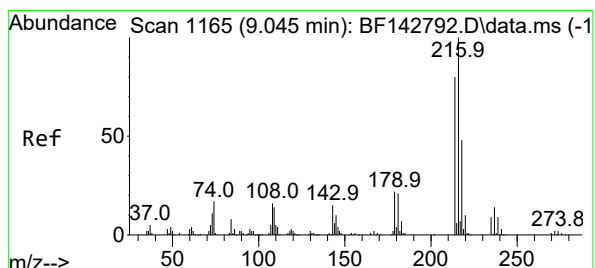
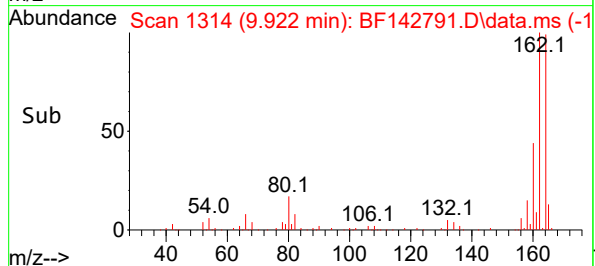
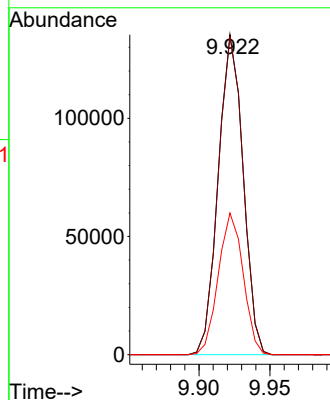
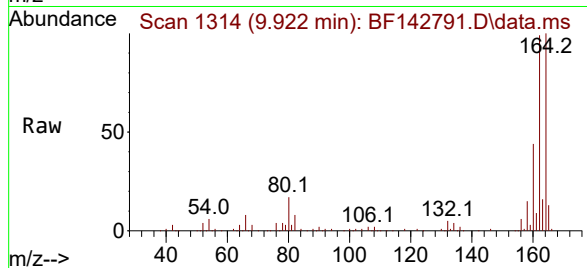
Tgt Ion:164 Resp: 164603

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

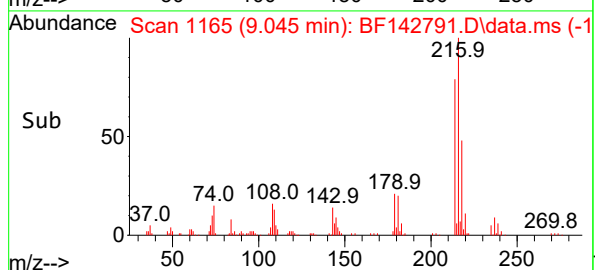
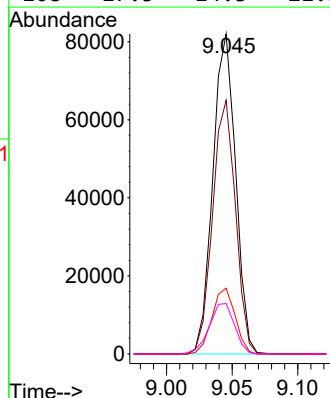
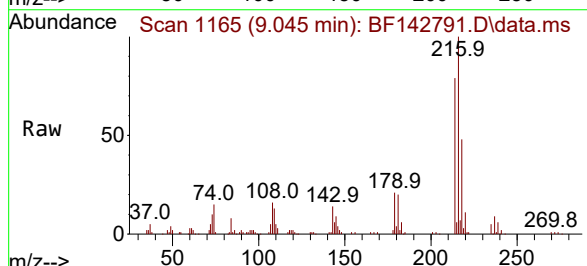
Ion Ratio Lower Upper

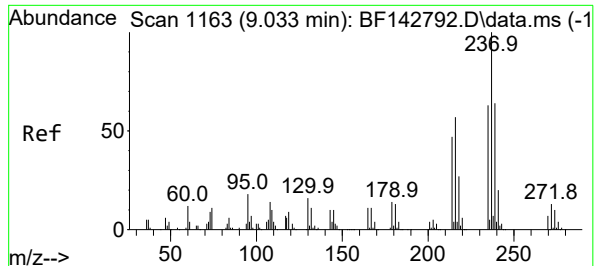
216 100

214 79.4 63.7 95.5

179 20.9 17.6 26.4

108 17.5 14.3 21.5

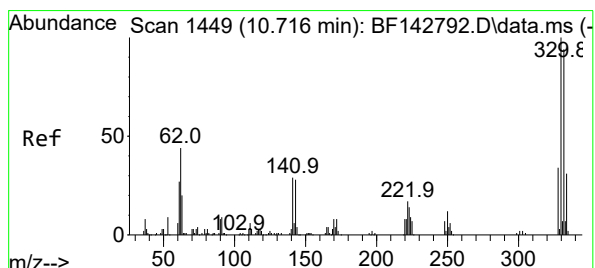
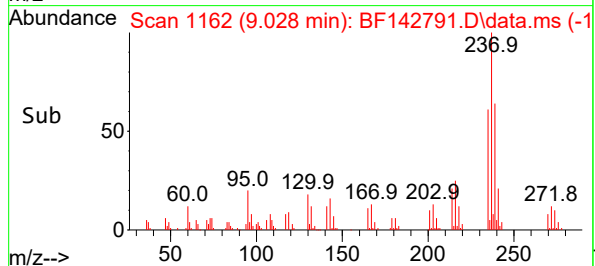
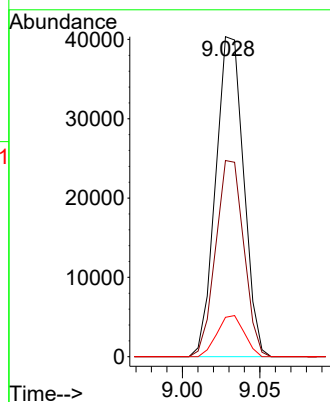
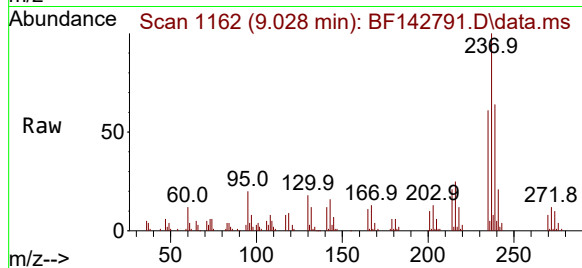




#41
Hexachlorocyclopentadiene
Concen: 16.864 ng
RT: 9.028 min Scan# 1163
Delta R.T. -0.006 min
Lab File: BF142791.D
Acq: 19 Jun 2025 18:39

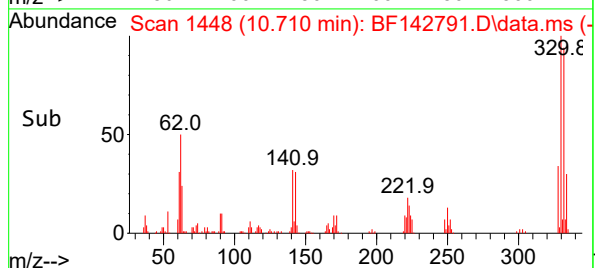
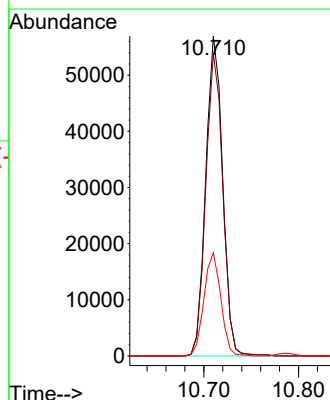
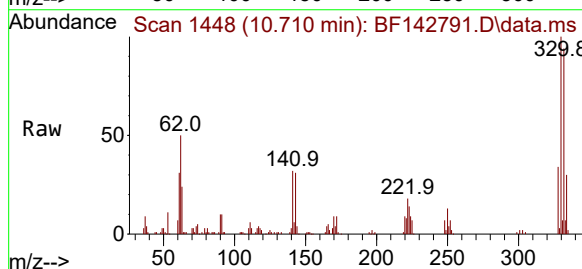
Instrument :
BNA_F
ClientSampleId :
SSTDICC020

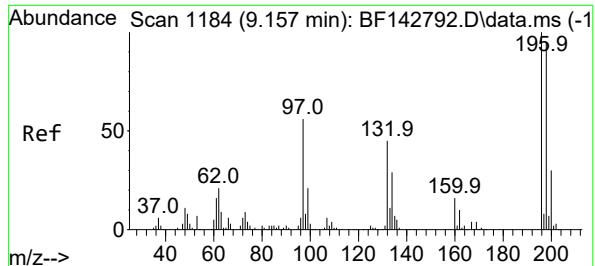
Tgt Ion:237 Resp: 50669
Ion Ratio Lower Upper
237 100
235 61.3 43.4 83.4
272 12.3 0.0 32.7



#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:330 Resp: 70502
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

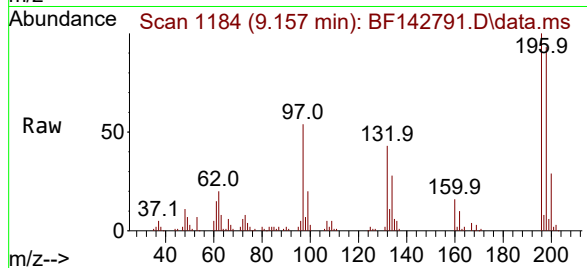
Acq: 19 Jun 2025 18:39

Instrument :

BNA_F

ClientSampleId :

SSTDICC020



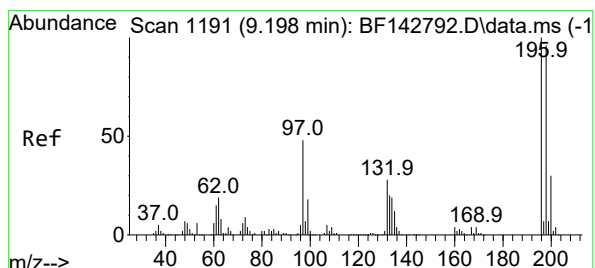
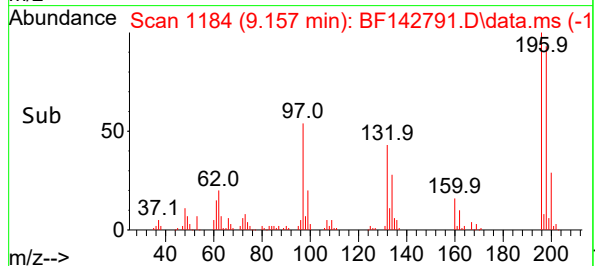
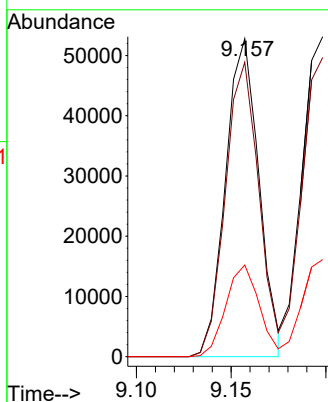
Tgt Ion:196 Resp: 64786

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

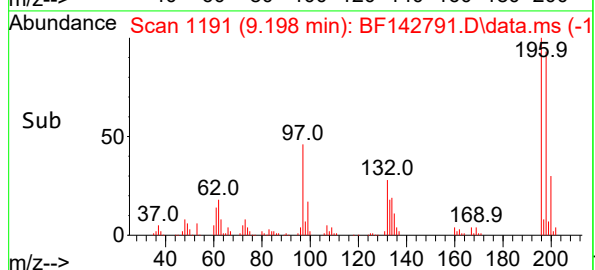
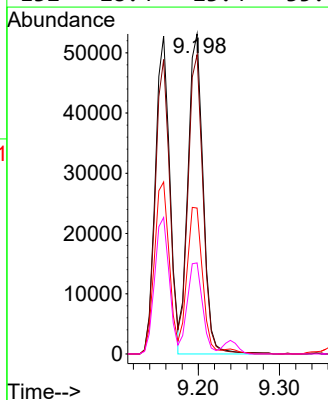
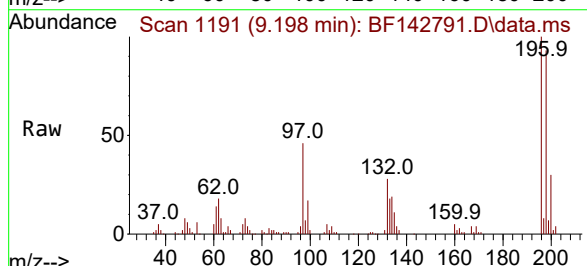
Ion Ratio Lower Upper

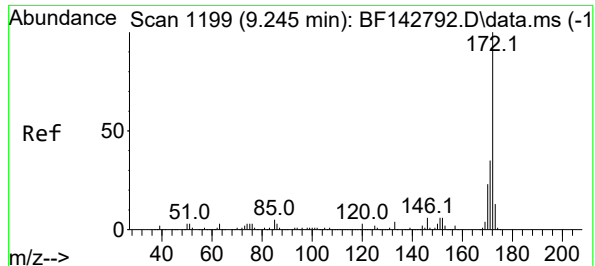
196 100

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

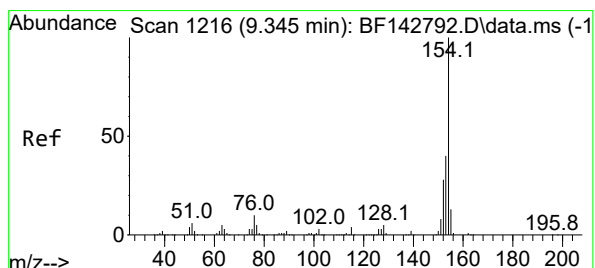
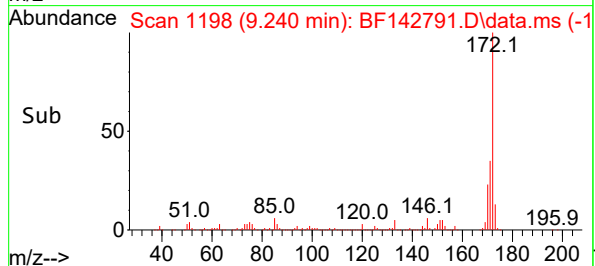
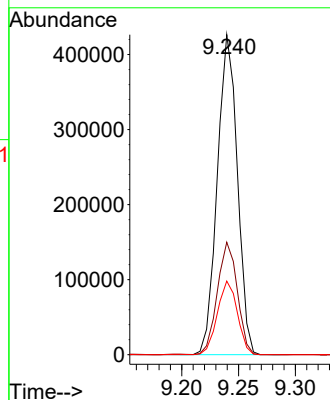
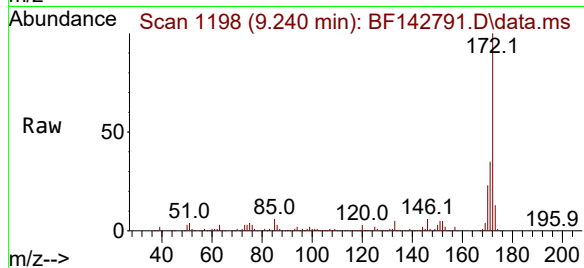
Tgt Ion:172 Resp: 524084

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

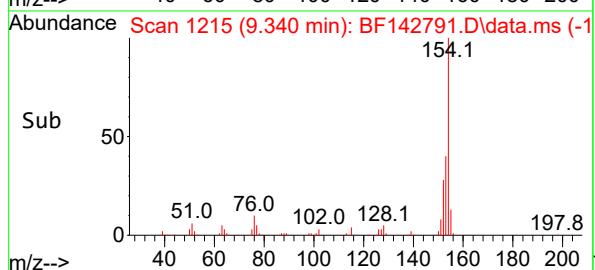
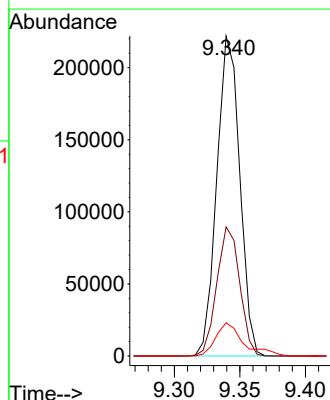
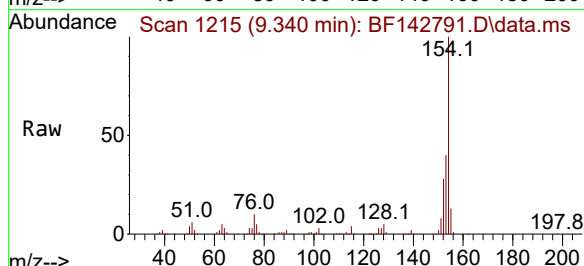
Tgt Ion:154 Resp: 269396

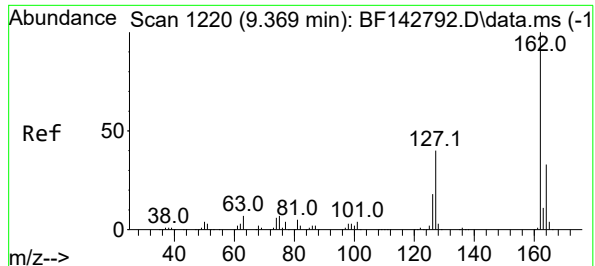
Ion Ratio Lower Upper

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

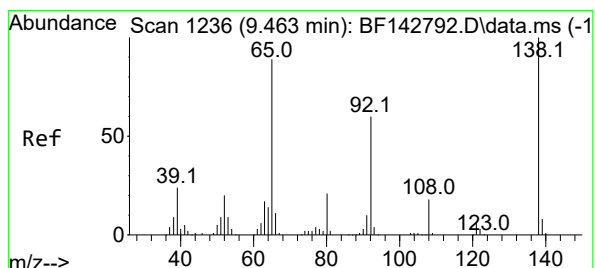
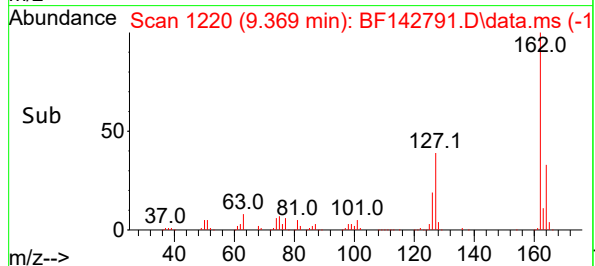
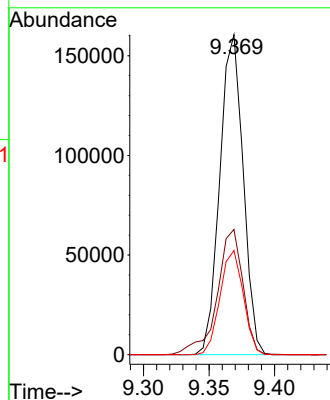
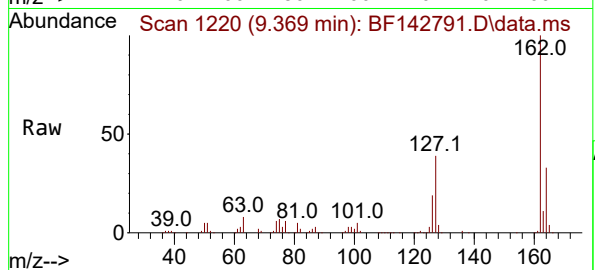
Tgt Ion:162 Resp: 198874

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

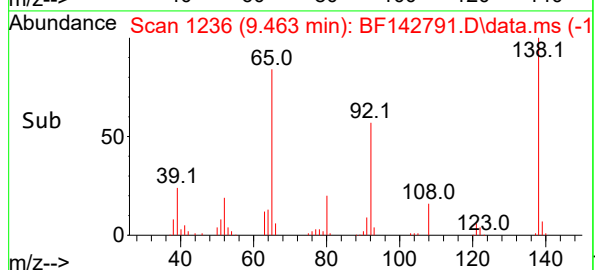
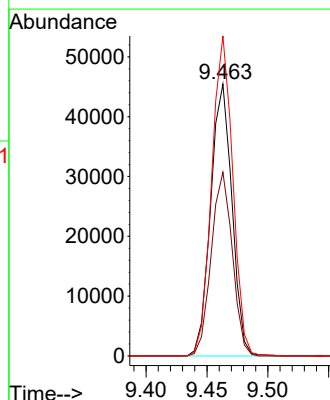
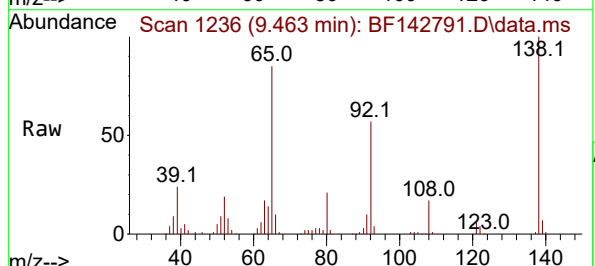
Tgt Ion: 65 Resp: 55412

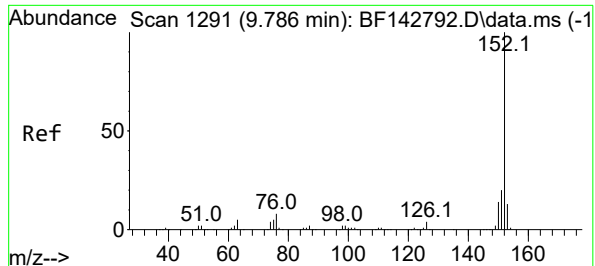
Ion Ratio Lower Upper

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 :

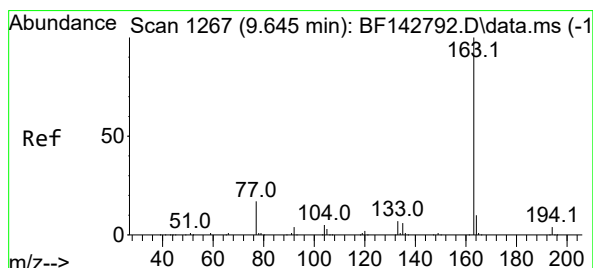
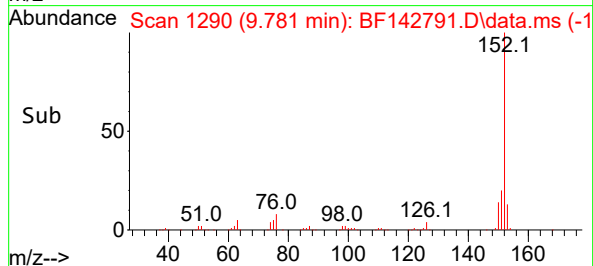
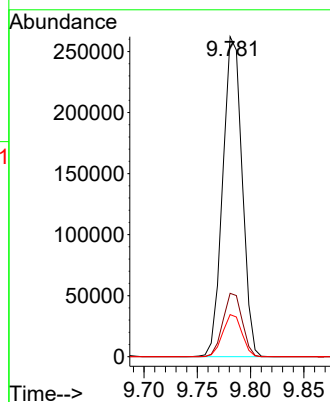
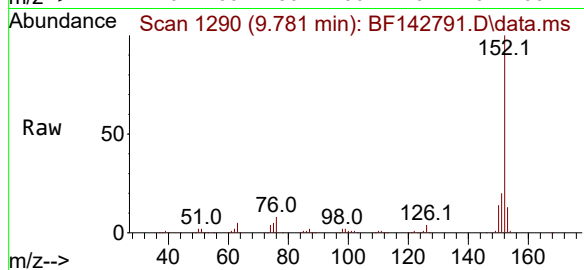
BNA_F

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

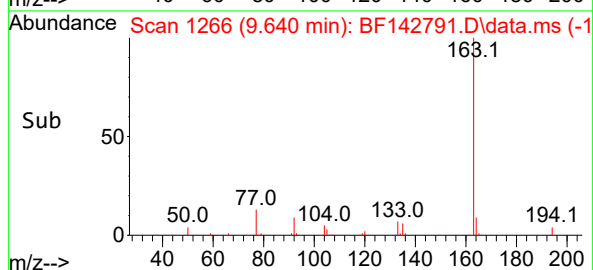
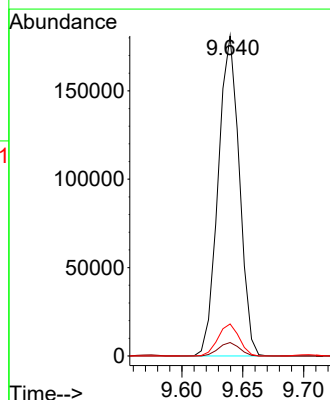
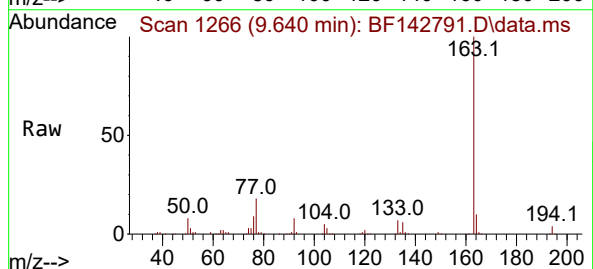
Delta R.T. -0.006 min

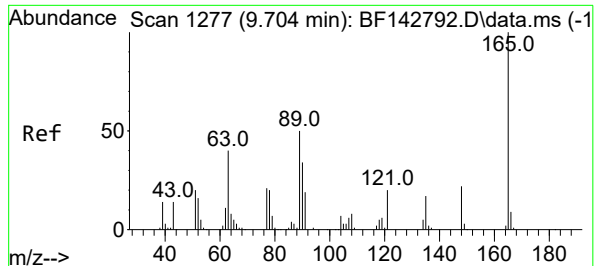
Lab File: BF142791.D

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

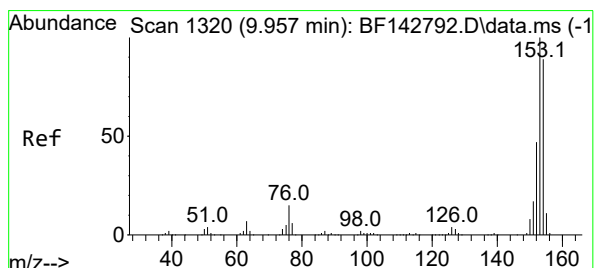
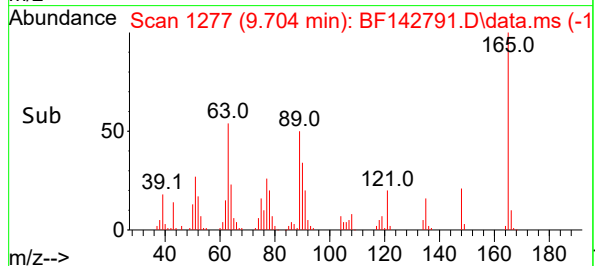
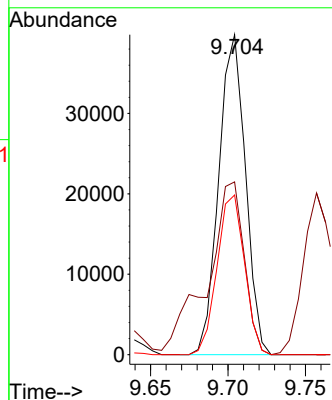
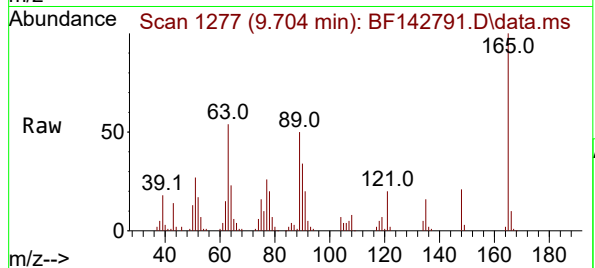




#51
2,6-Dinitrotoluene
Concen: 20.156 ng
RT: 9.704 min Scan# 1277
Delta R.T. 0.000 min
Lab File: BF142791.D
Acq: 19 Jun 2025 18:39

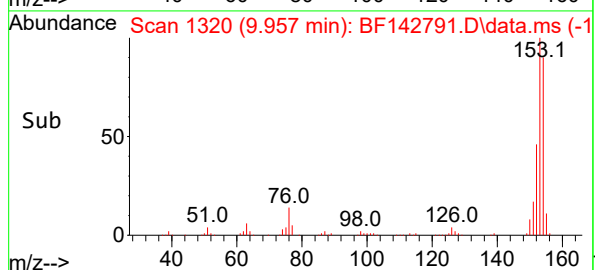
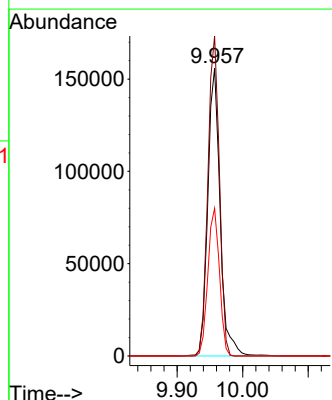
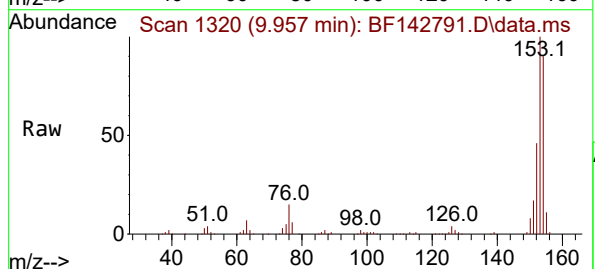
Instrument :
BNA_F
ClientSampleId :
SSTDICC020

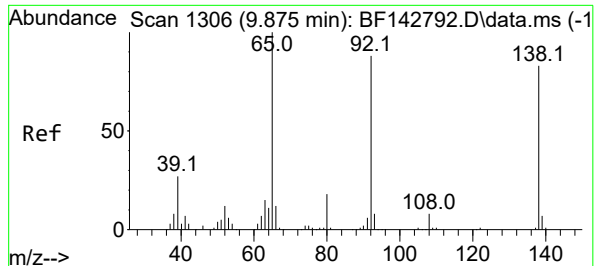
Tgt Ion:165 Resp: 47707
Ion Ratio Lower Upper
165 100
63 54.0 44.2 66.4
89 49.9 39.8 59.8



#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

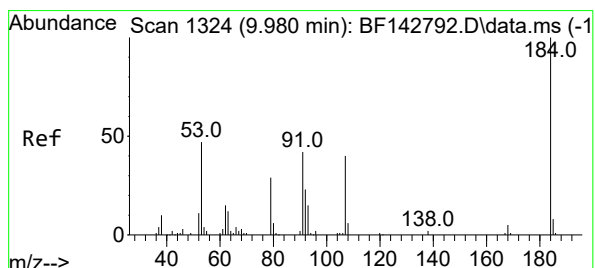
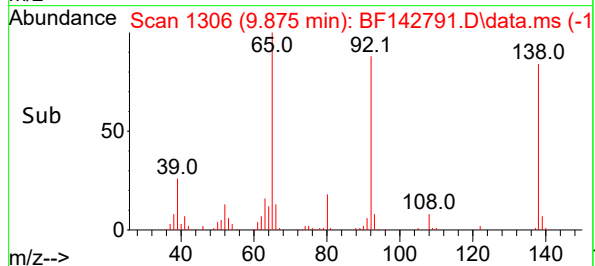
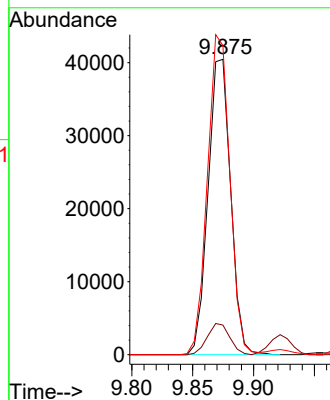
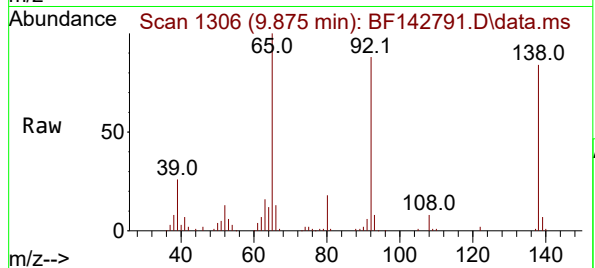
Tgt Ion:138 Resp: 52088

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

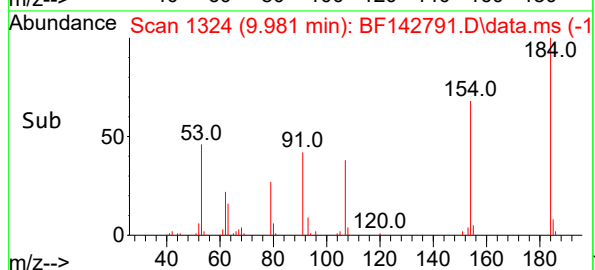
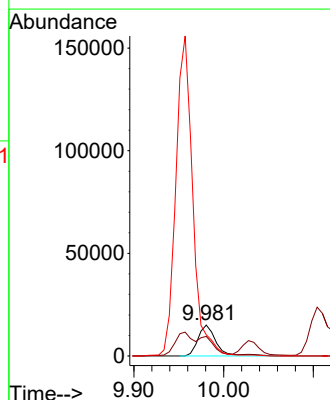
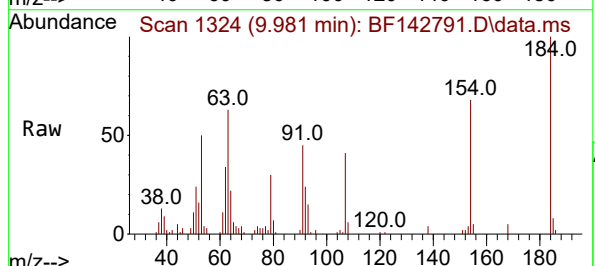
Tgt Ion:184 Resp: 21231

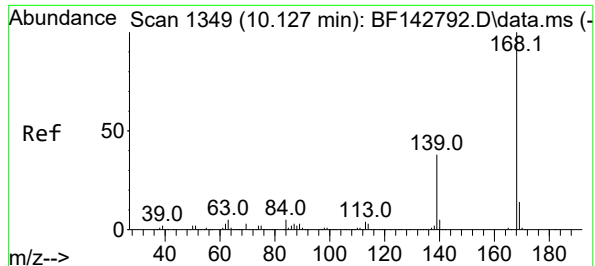
Ion Ratio Lower Upper

184 100

63 62.9 50.6 75.8

154 68.5 51.8 77.8

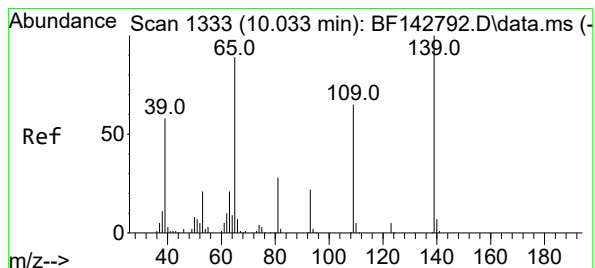
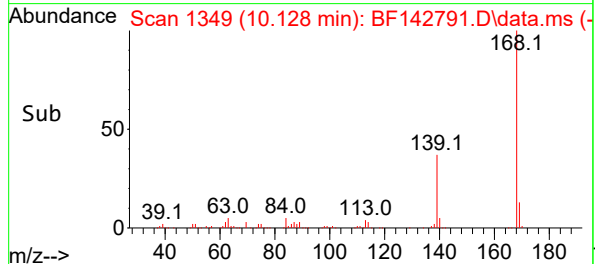
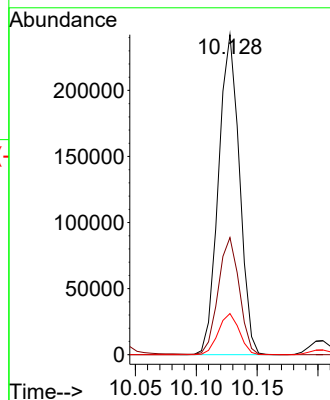
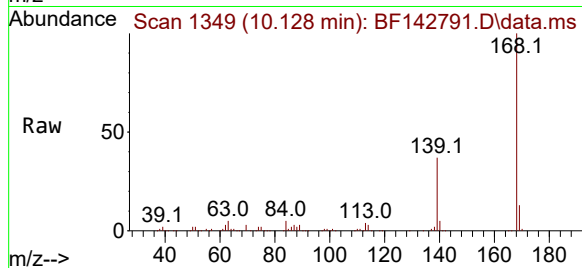




#55
Dibenzofuran
Concen: 20.736 ng
RT: 10.128 min Scan# 11
Delta R.T. 0.000 min
Lab File: BF142791.D
Acq: 19 Jun 2025 18:39

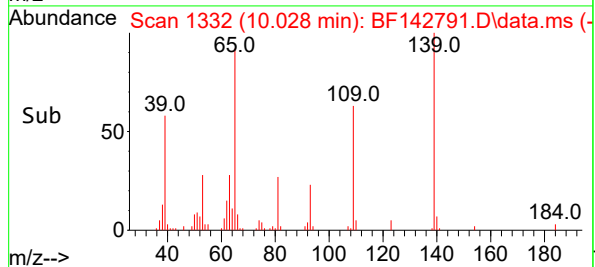
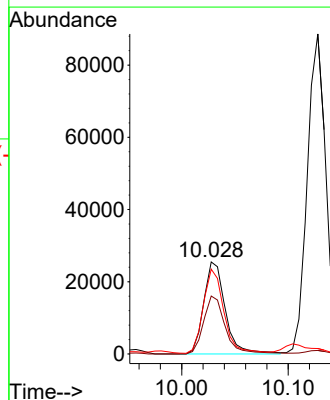
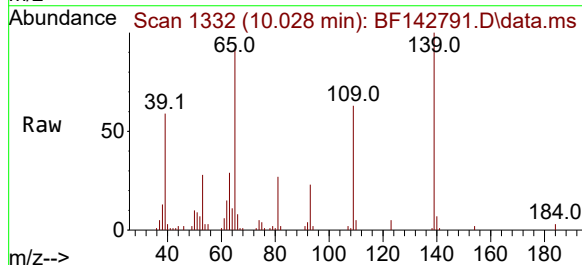
Instrument :
BNA_F
ClientSampleId :
SSTDICC020

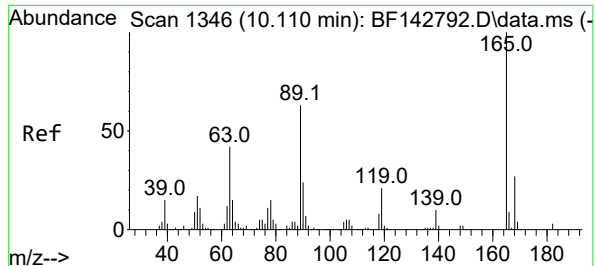
Tgt Ion:168 Resp: 290254
Ion Ratio Lower Upper
168 100
139 36.6 30.2 45.4
169 12.8 10.8 16.2



#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

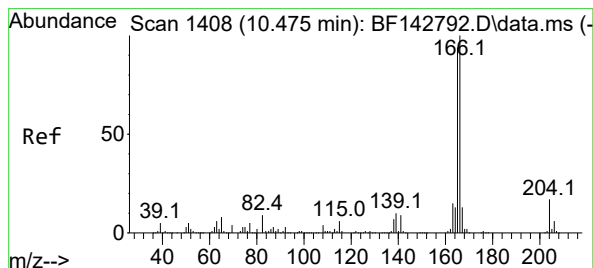
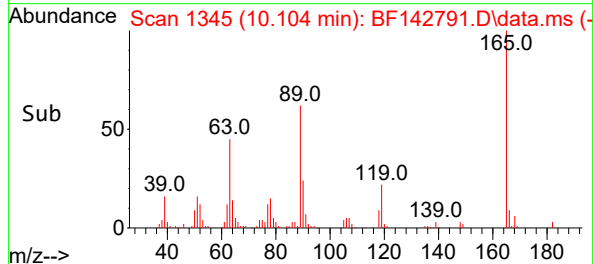
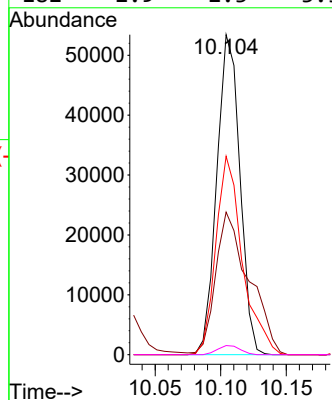
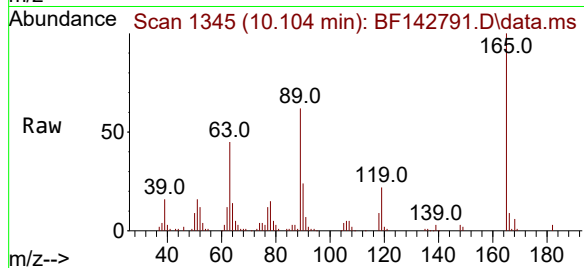




#57
2,4-Dinitrotoluene
Concen: 20.887 ng
RT: 10.104 min Scan# 11
Delta R.T. -0.006 min
Lab File: BF142791.D
Acq: 19 Jun 2025 18:39

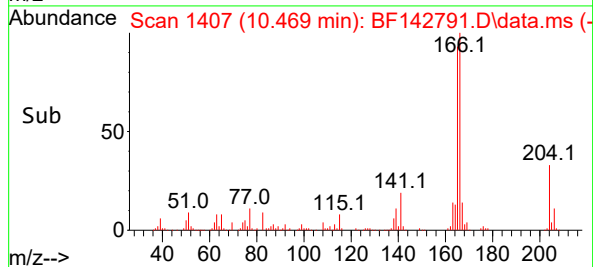
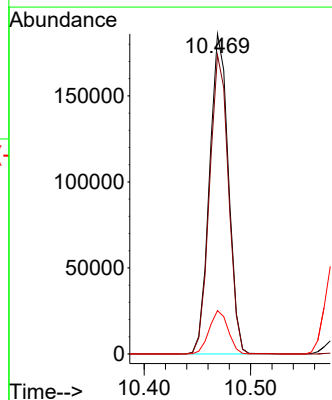
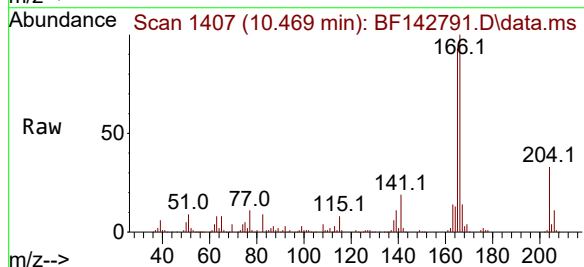
Instrument :
BNA_F
ClientSampleId :
SSTDICC020

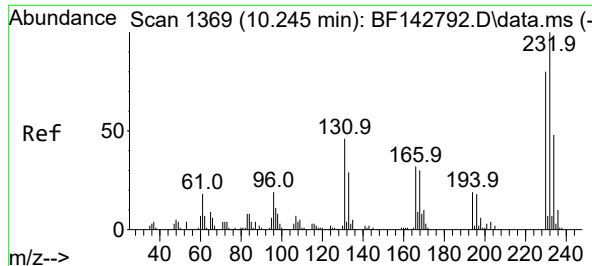
Tgt Ion:165 Resp: 65367
Ion Ratio Lower Upper
165 100
63 44.5 33.9 50.9
89 62.0 50.6 75.8
182 2.9 2.3 3.5



#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

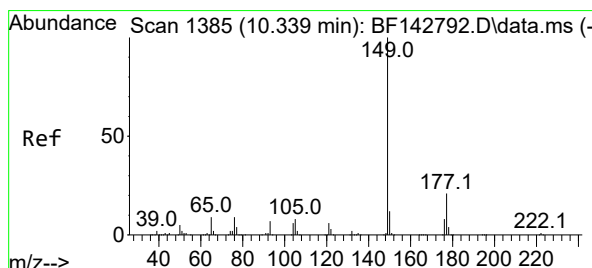
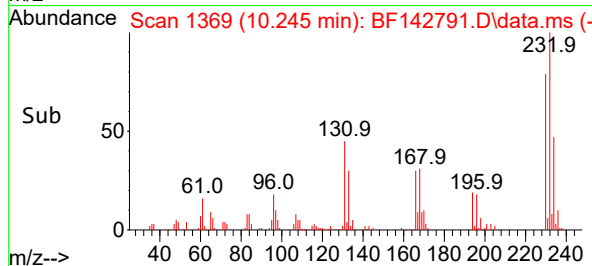
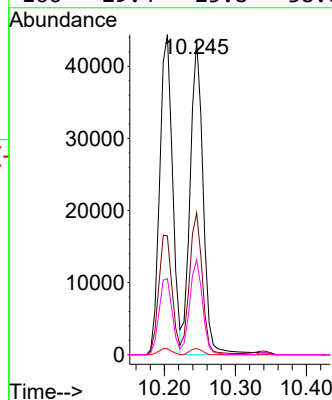
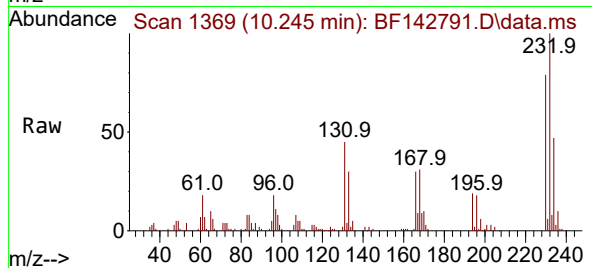




#59
2,3,4,6-Tetrachlorophenol
Concen: 20.042 ng
RT: 10.245 min Scan# 1369
Delta R.T. 0.000 min
Lab File: BF142791.D
Acq: 19 Jun 2025 18:39

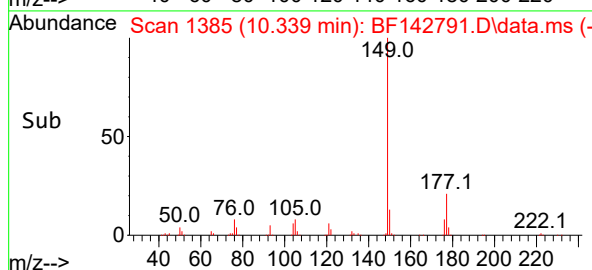
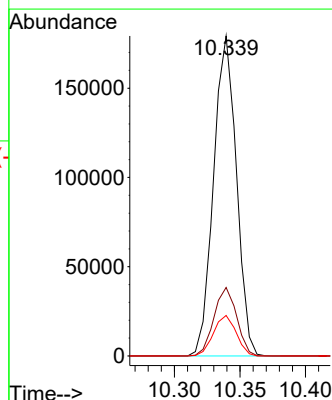
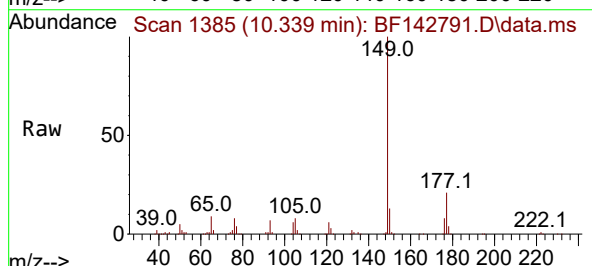
Instrument :
BNA_F
ClientSampleId :
SSTDICC020

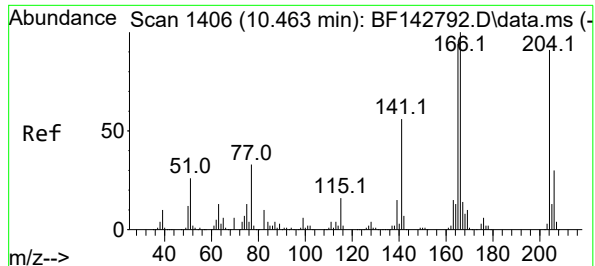
Tgt Ion:232 Resp: 55799
Ion Ratio Lower Upper
232 100
131 44.3 37.6 56.4
130 1.8 1.7 2.5
166 29.4 25.8 38.6



#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

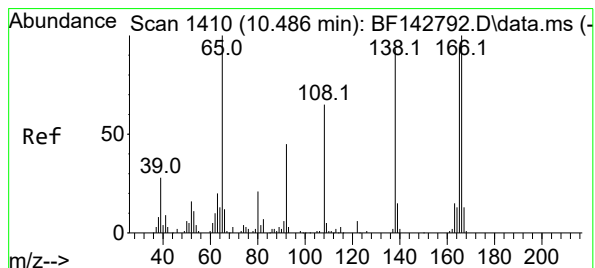
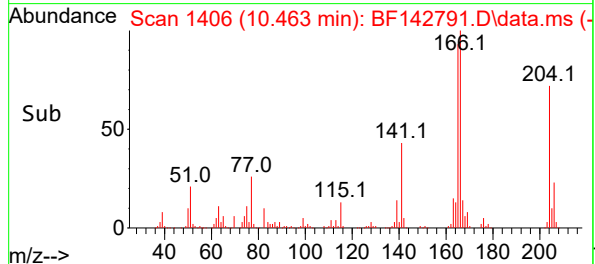
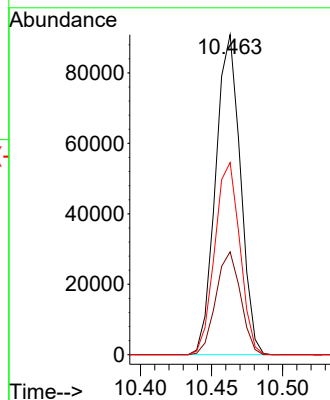
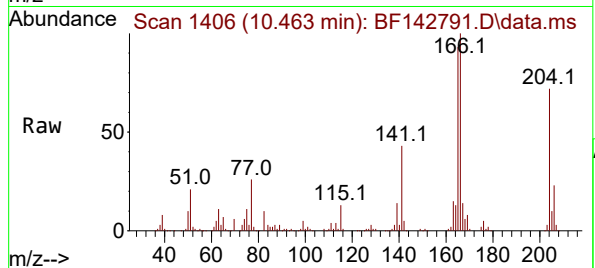




#61
4-Chlorophenyl-phenylether
Concen: 20.526 ng
RT: 10.463 min Scan# 1406
Delta R.T. 0.000 min
Lab File: BF142791.D
Acq: 19 Jun 2025 18:39

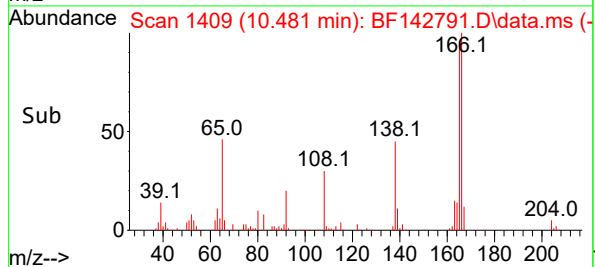
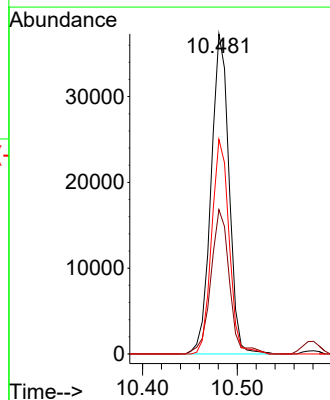
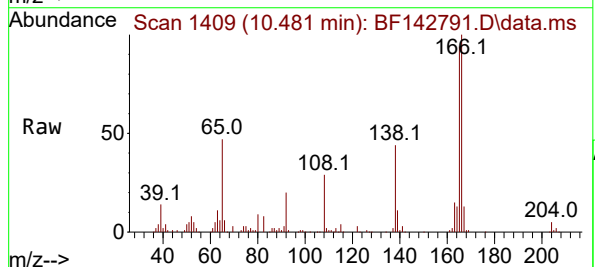
Instrument :
BNA_F
ClientSampleId :
SSTDICC020

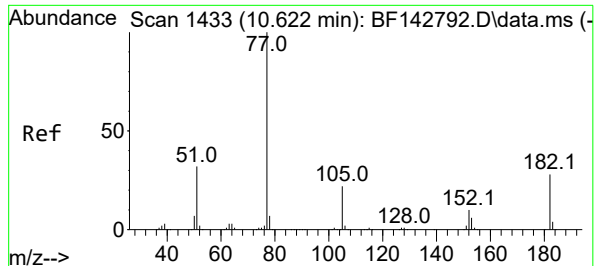
Tgt Ion:204 Resp: 110133
Ion Ratio Lower Upper
204 100
206 32.1 26.3 39.5
141 60.1 49.1 73.7



#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

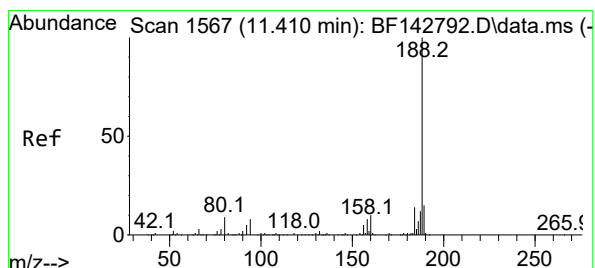
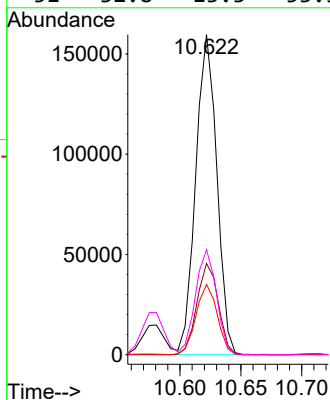
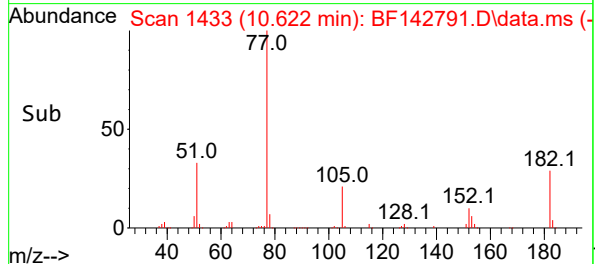
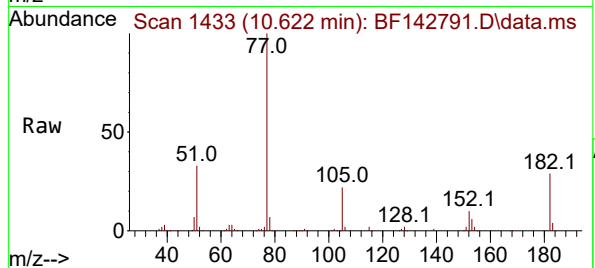




#63
Azobenzene
Concen: 20.263 ng
RT: 10.622 min Scan# 1433
Delta R.T. 0.000 min
Lab File: BF142791.D
Acq: 19 Jun 2025 18:39

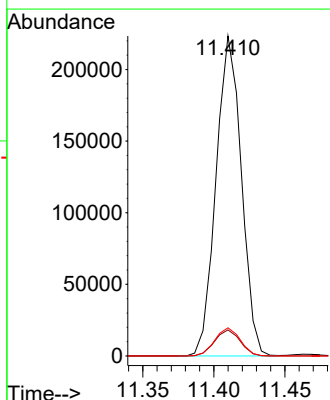
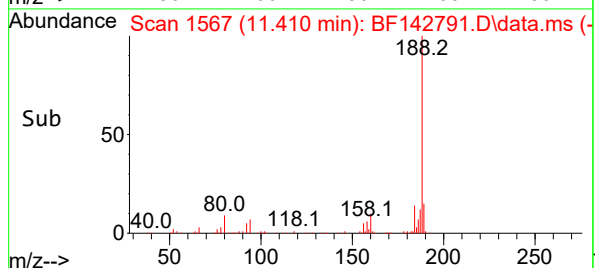
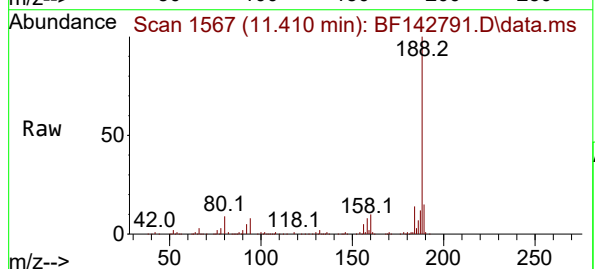
Instrument :
BNA_F
ClientSampleId :
SSTDICC020

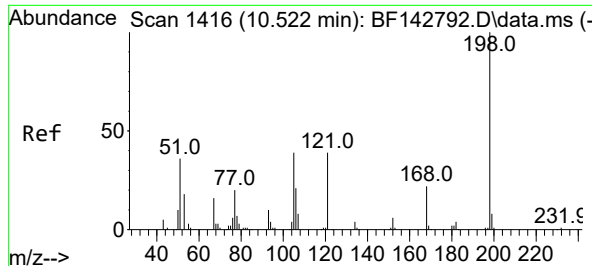
Tgt Ion: 77 Resp: 192057
Ion Ratio Lower Upper
77 100
182 28.5 7.7 47.7
105 22.0 1.9 41.9
51 32.8 13.3 53.3



#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: 188 Resp: 277149
Ion Ratio Lower Upper
188 100
94 8.2 6.7 10.1
80 8.8 6.9 10.3

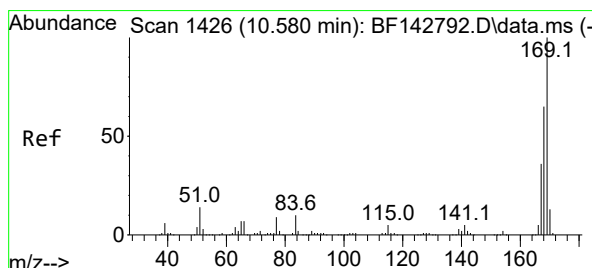
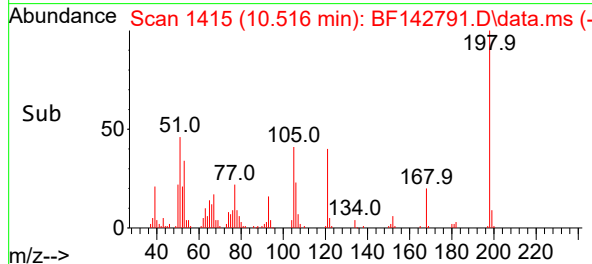
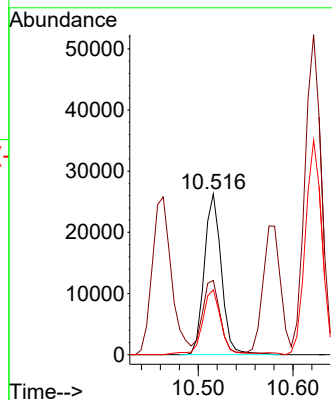
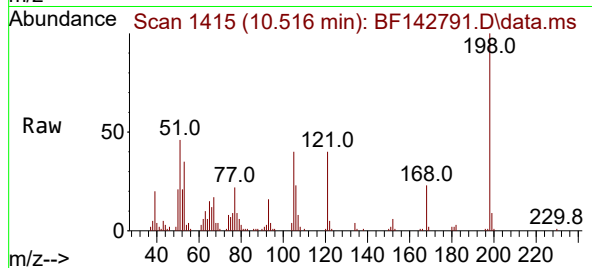




#65
4,6-Dinitro-2-methylphenol
Concen: 19.130 ng
RT: 10.516 min Scan# 1416
Delta R.T. -0.006 min
Lab File: BF142791.D
Acq: 19 Jun 2025 18:39

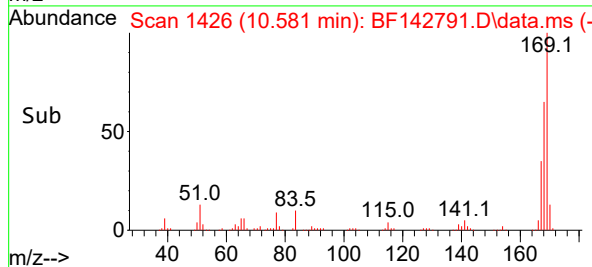
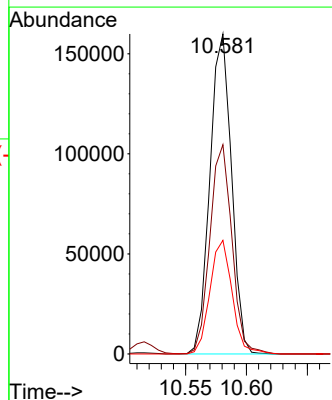
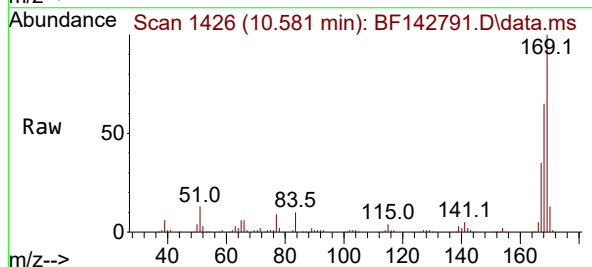
Instrument :
BNA_F
ClientSampleId :
SSTDICC020

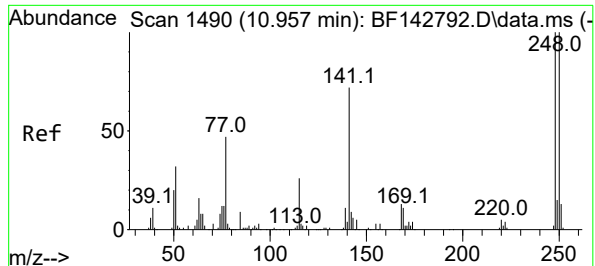
Tgt Ion:198 Resp: 32946
Ion Ratio Lower Upper
198 100
51 46.2 25.4 65.4
105 40.4 20.4 60.4



#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

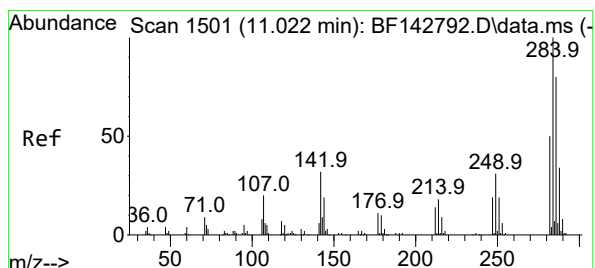
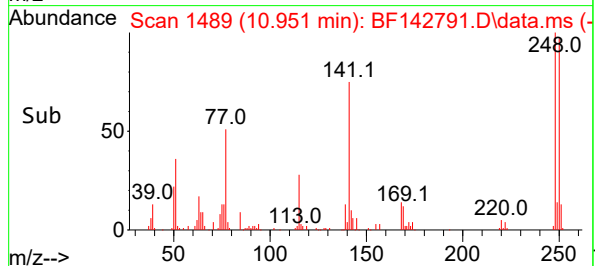
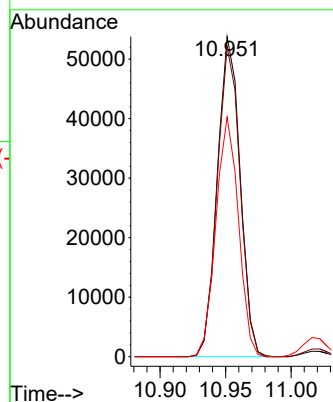
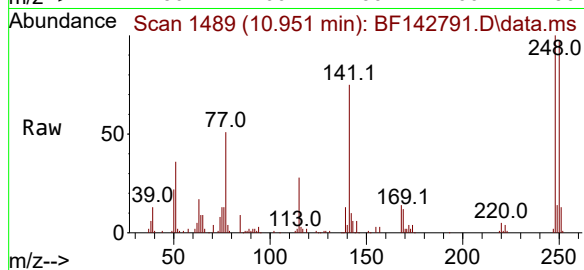
Tgt Ion:248 Resp: 65137

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

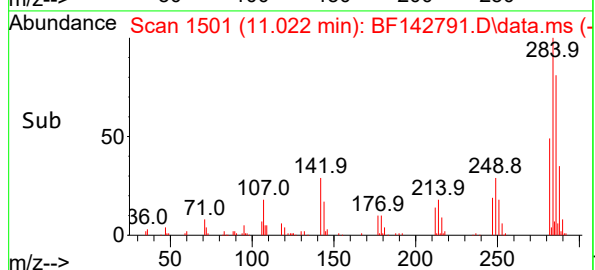
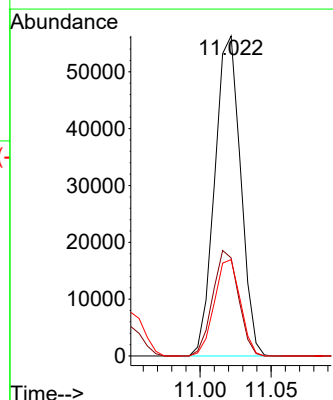
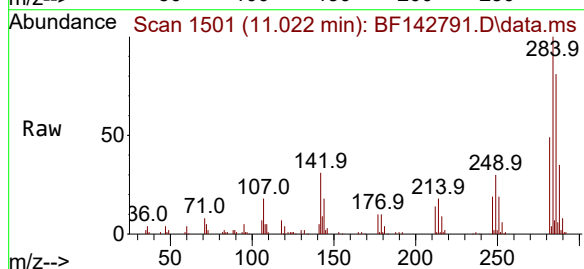
Tgt Ion:284 Resp: 71354

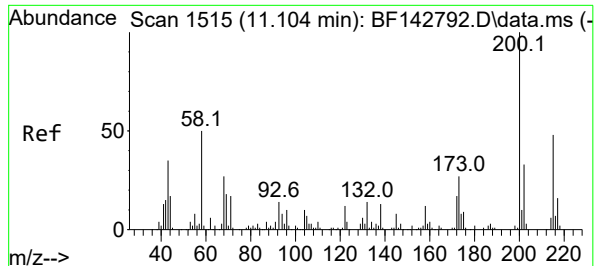
Ion Ratio Lower Upper

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

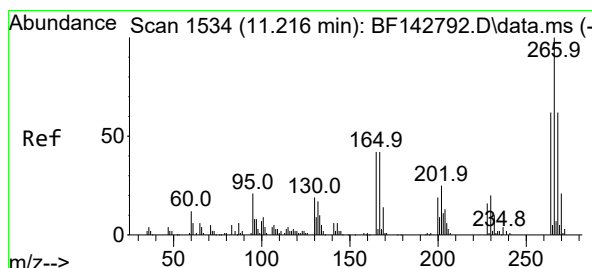
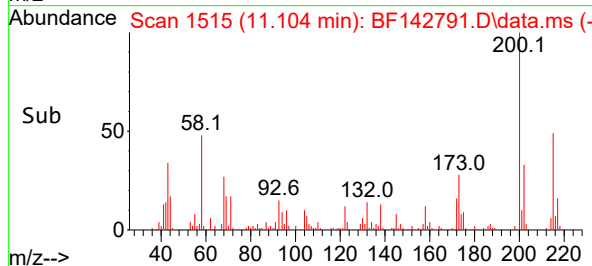
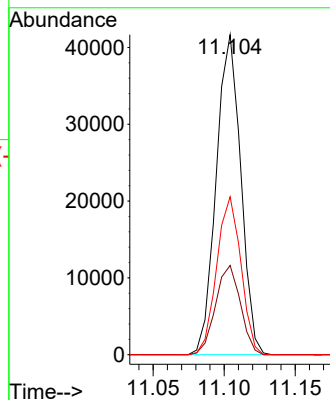
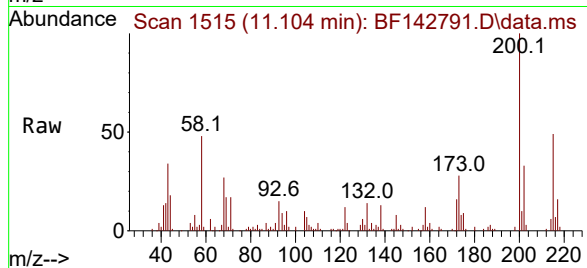
Tgt Ion:200 Resp: 49963

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

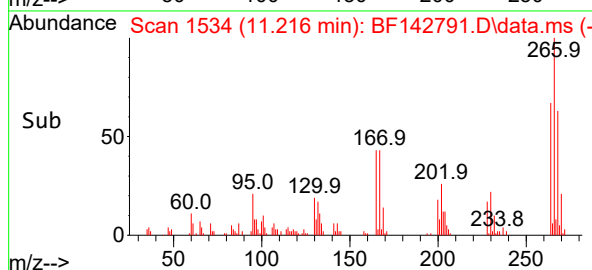
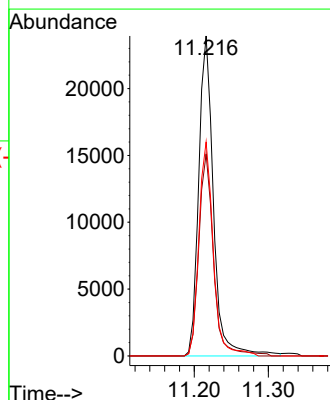
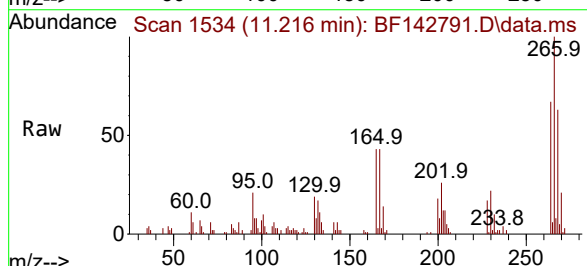
Tgt Ion:266 Resp: 33089

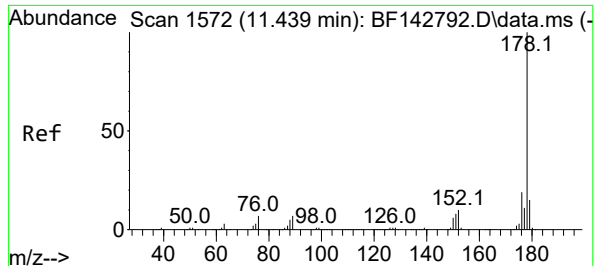
Ion Ratio Lower Upper

266 100

268 63.1 49.8 74.8

264 66.8 49.9 74.9

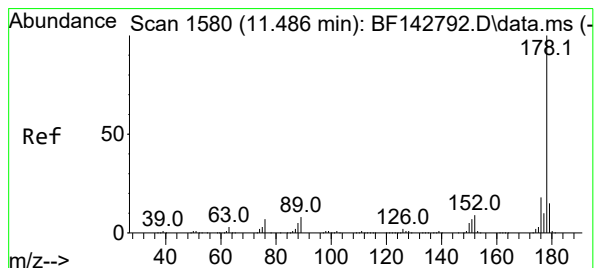
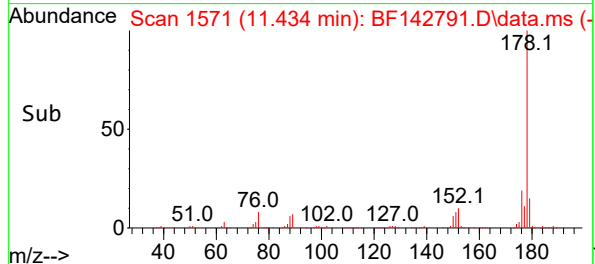
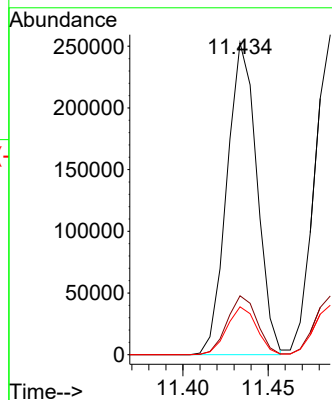
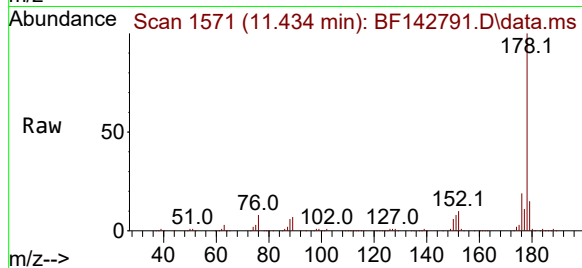




#71
Phenanthrene
Concen: 20.826 ng
RT: 11.434 min Scan# 1572
Delta R.T. -0.006 min
Lab File: BF142791.D
Acq: 19 Jun 2025 18:39

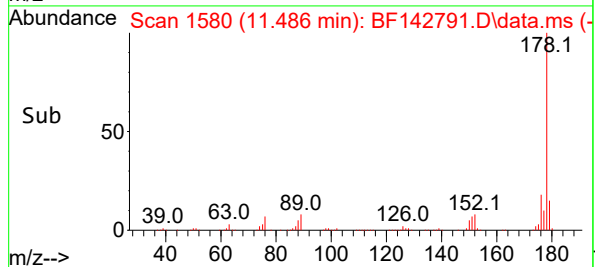
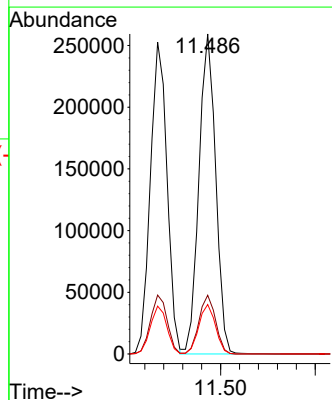
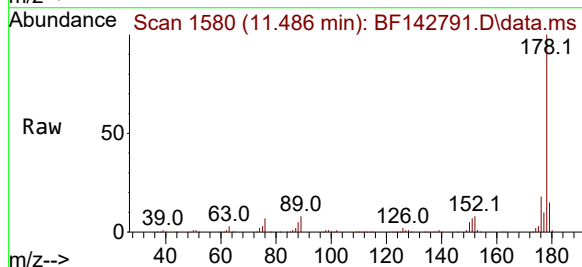
Instrument :
BNA_F
ClientSampleId :
SSTDICC020

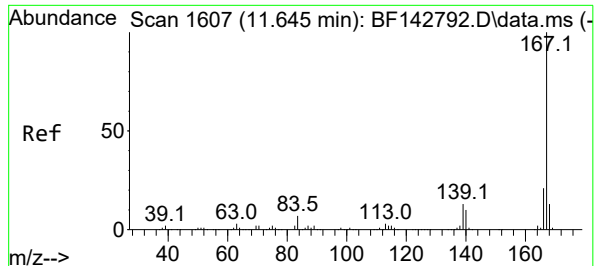
Tgt Ion:178 Resp: 309015
Ion Ratio Lower Upper
178 100
176 18.9 15.1 22.7
179 15.3 12.0 18.0



#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

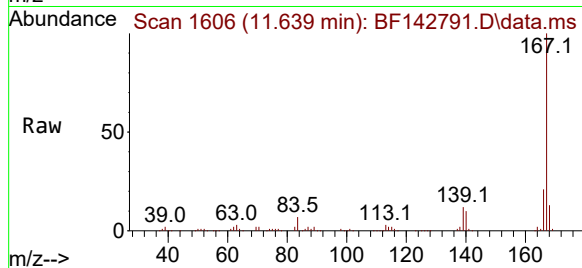
Tgt Ion:178 Resp: 318388
Ion Ratio Lower Upper
178 100
176 18.3 14.6 21.8
179 15.4 12.4 18.6



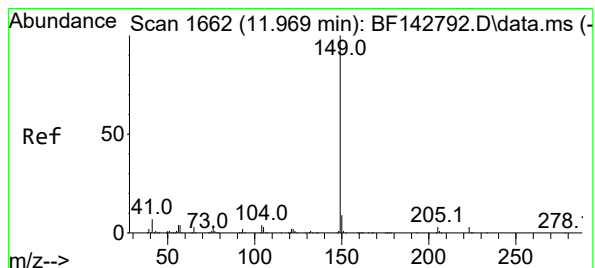
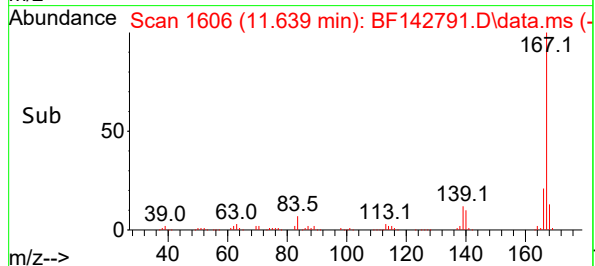
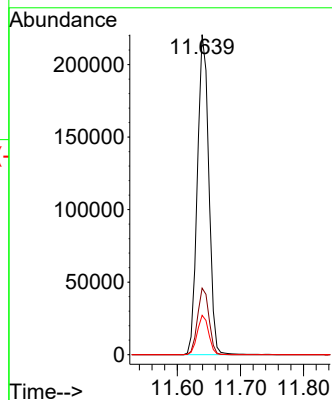


#73
Carbazole
Concen: 21.523 ng
RT: 11.639 min Scan# 1606
Delta R.T. -0.006 min
Lab File: BF142791.D
Acq: 19 Jun 2025 18:39

Instrument :
BNA_F
ClientSampleId :
SSTDICC020

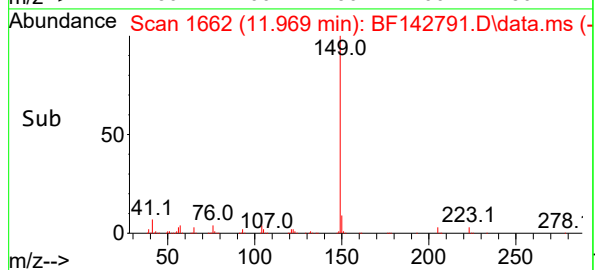
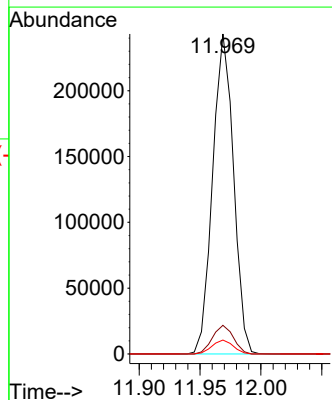
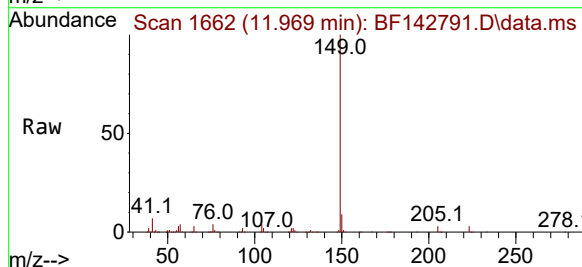


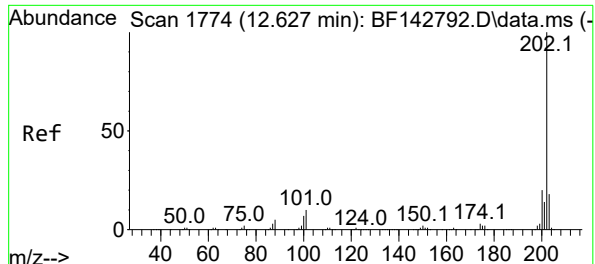
Tgt Ion:167 Resp: 276824
Ion Ratio Lower Upper
167 100
166 20.8 17.0 25.4
139 12.3 10.2 15.2



#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

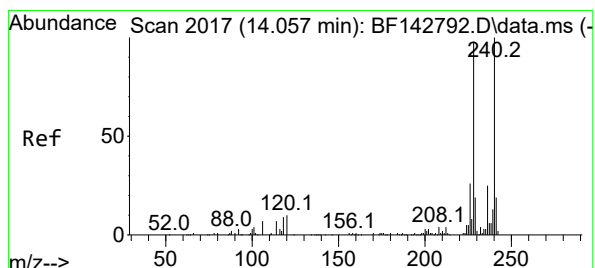
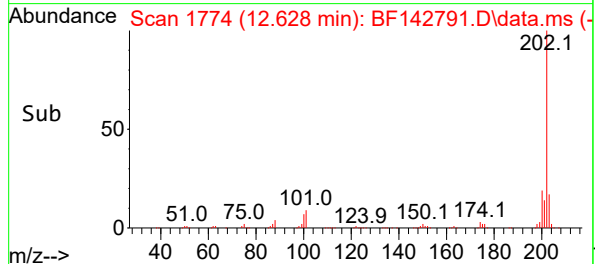
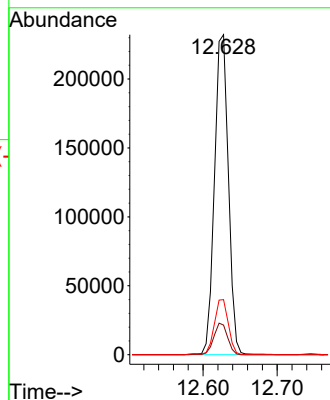
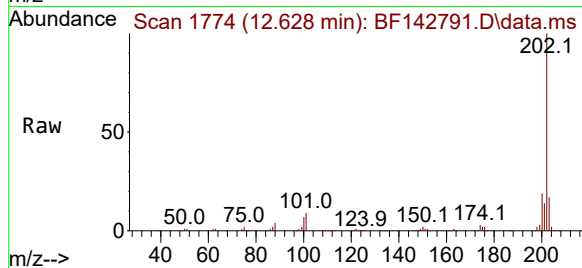




#75
Fluoranthene
Concen: 21.424 ng
RT: 12.628 min Scan# 1774
Delta R.T. 0.000 min
Lab File: BF142791.D
Acq: 19 Jun 2025 18:39

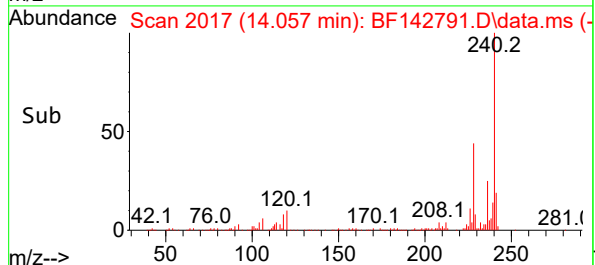
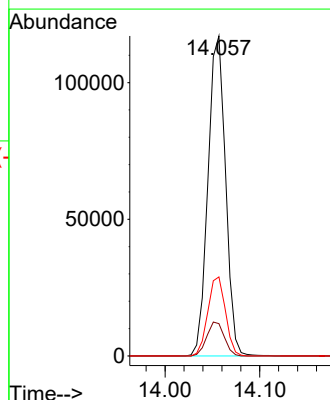
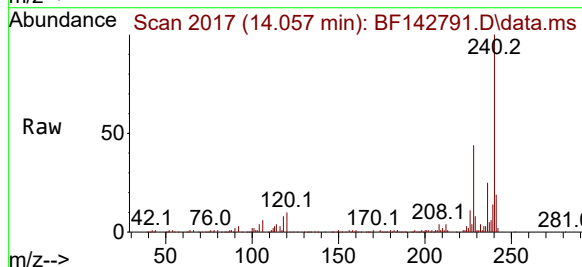
Instrument :
BNA_F
ClientSampleId :
SSTDICC020

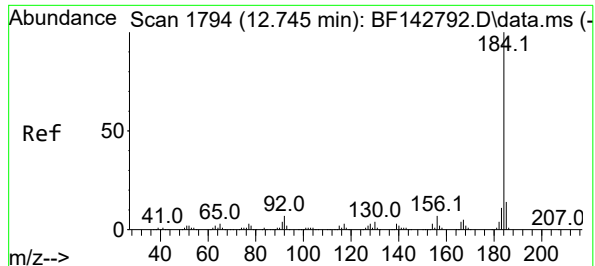
Tgt Ion:202 Resp: 302035
Ion Ratio Lower Upper
202 100
101 9.2 0.0 29.7
203 17.2 0.0 37.5



#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:240 Resp: 151398
Ion Ratio Lower Upper
240 100
120 10.1 8.2 12.2
236 24.7 19.8 29.8

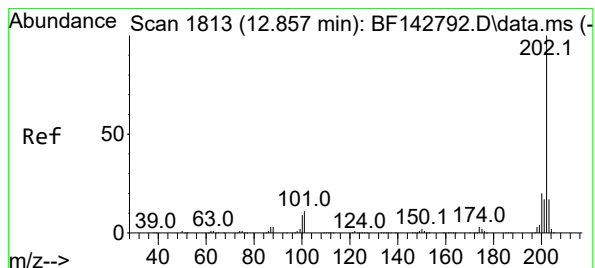
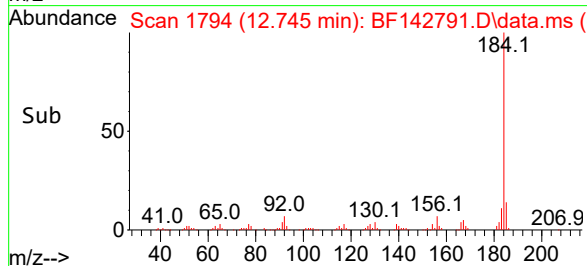
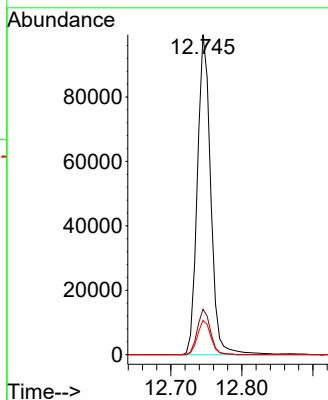
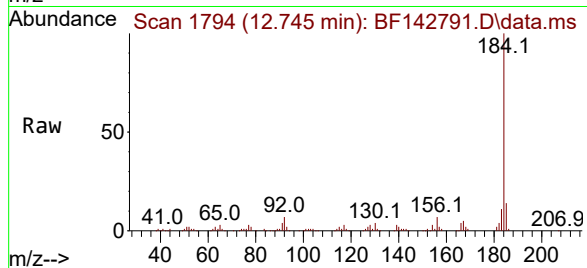




#77
Benzidine
Concen: 24.285 ng
RT: 12.745 min Scan# 1794
Delta R.T. 0.000 min
Lab File: BF142791.D
Acq: 19 Jun 2025 18:39

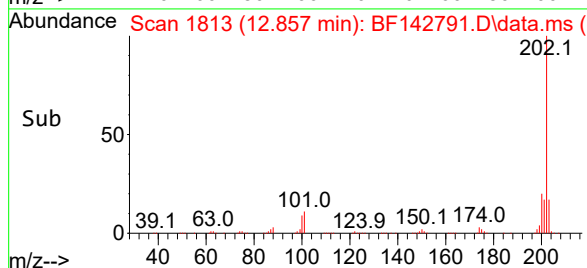
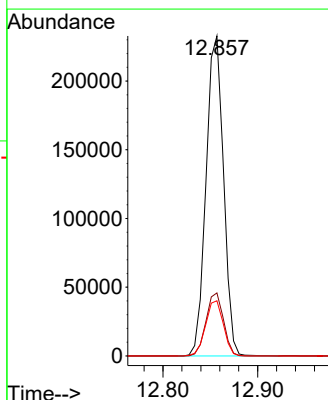
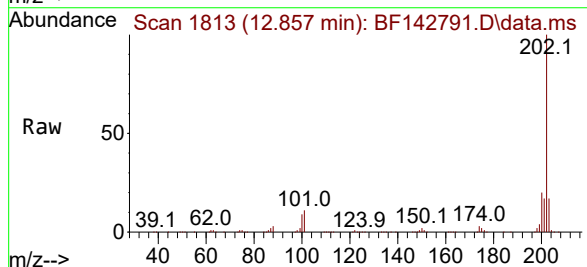
Instrument :
BNA_F
ClientSampleId :
SSTDICC020

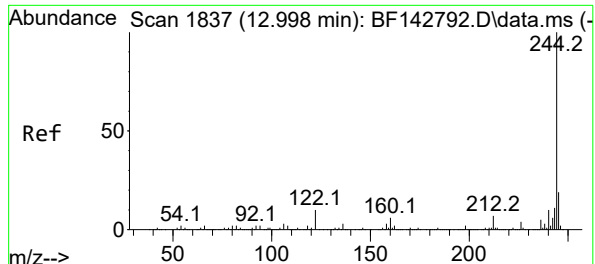
Tgt Ion:184 Resp: 130162
Ion Ratio Lower Upper
184 100
185 14.2 11.5 17.3
183 10.7 9.0 13.4



#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

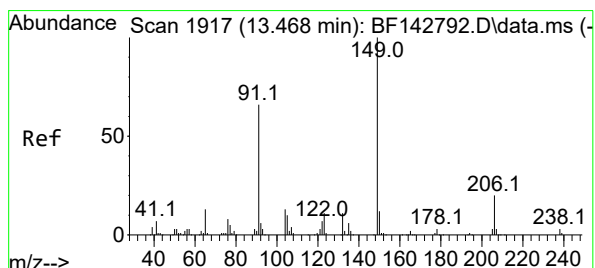
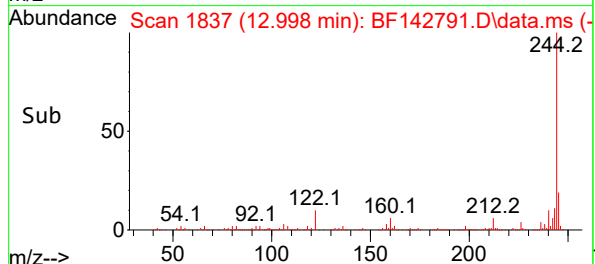
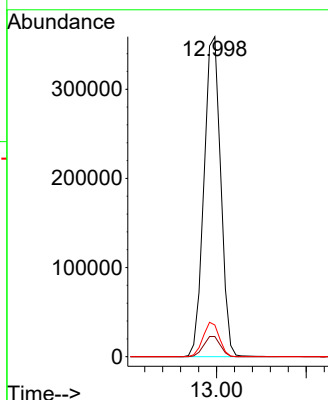
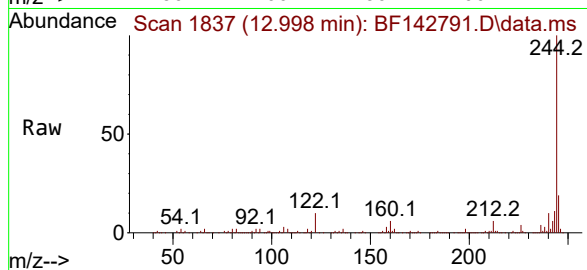
Tgt Ion:244 Resp: 464214

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

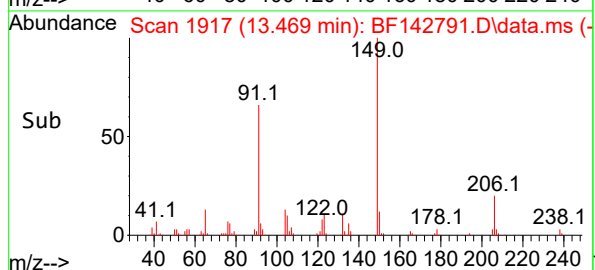
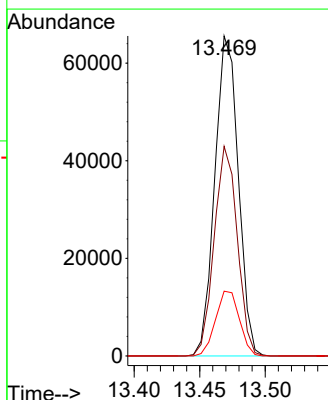
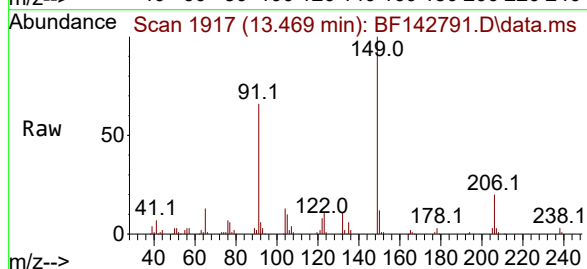
Tgt Ion:149 Resp: 81500

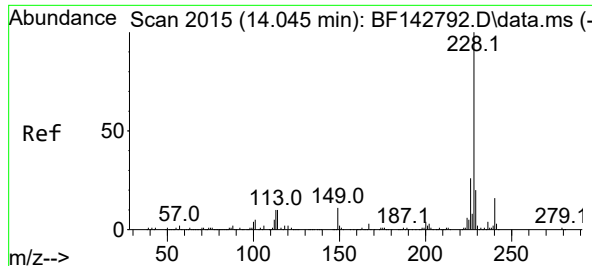
Ion Ratio Lower Upper

149 100

91 65.5 52.9 79.3

206 20.3 16.3 24.5

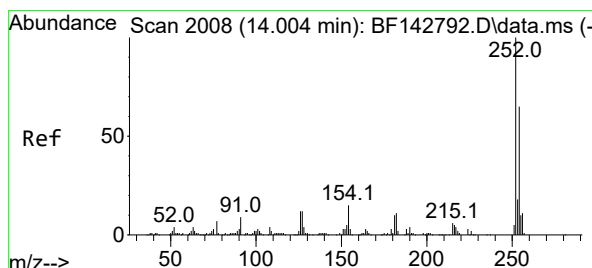
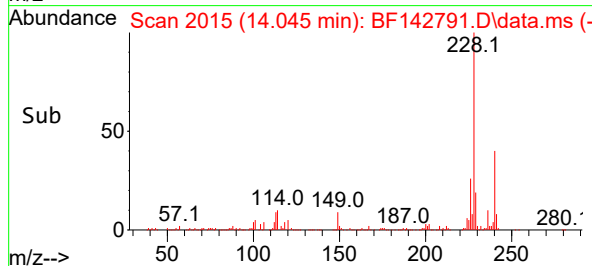
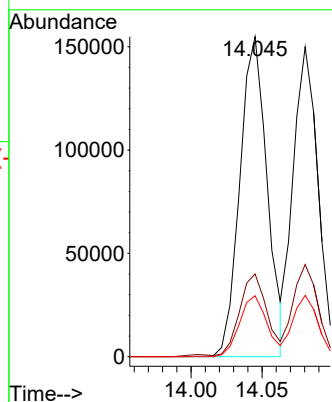
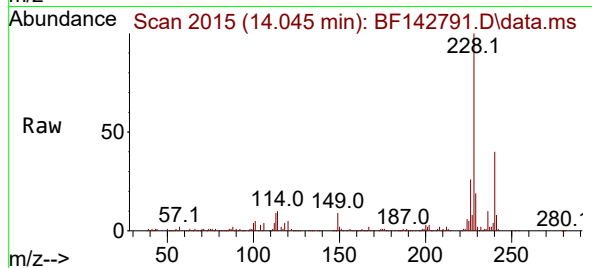




#81
Benzo(a)anthracene
Concen: 20.807 ng
RT: 14.045 min Scan# 2015
Delta R.T. 0.000 min
Lab File: BF142791.D
Acq: 19 Jun 2025 18:39

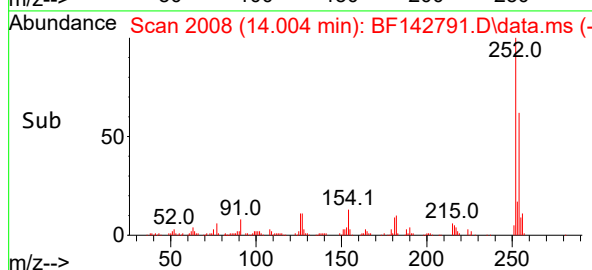
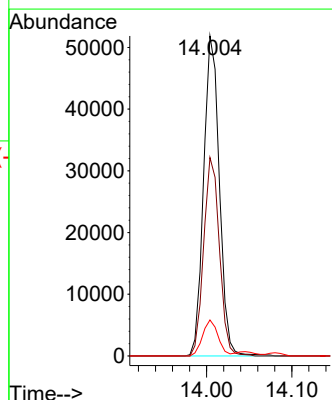
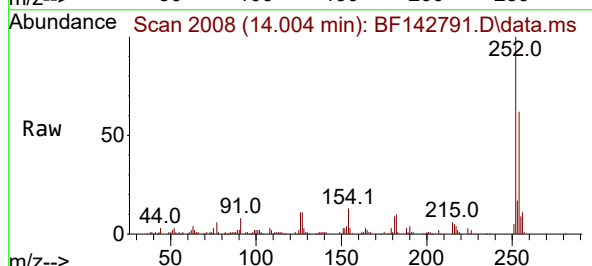
Instrument :
BNA_F
ClientSampleId :
SSTDICC020

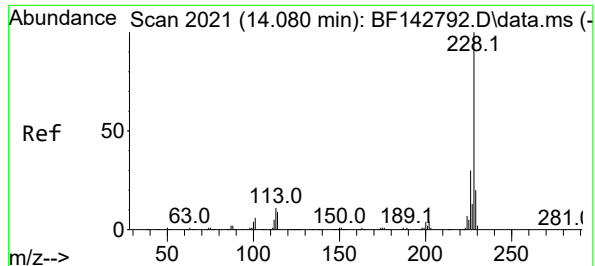
Tgt Ion:228 Resp: 206831
Ion Ratio Lower Upper
228 100
226 25.8 21.2 31.8
229 19.0 15.6 23.4



#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

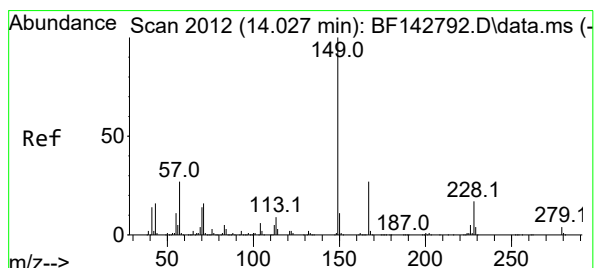
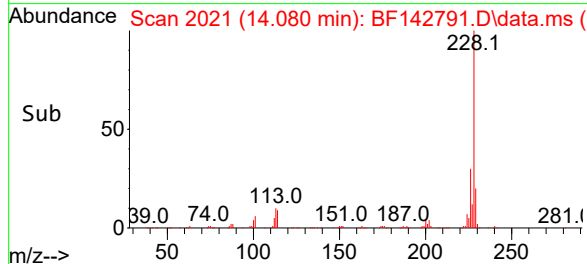
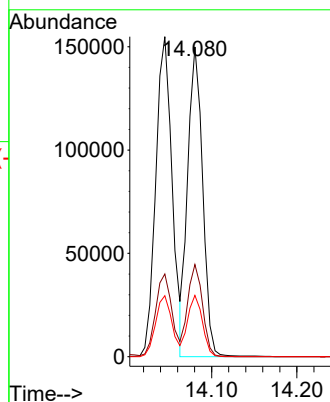
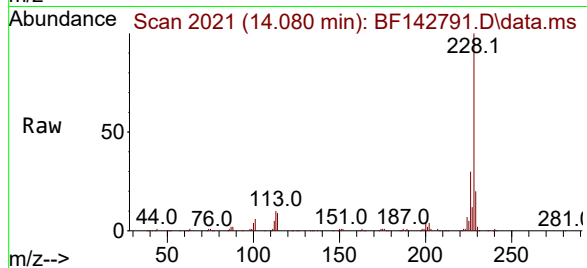




#83
Chrysene
Concen: 19.756 ng
RT: 14.080 min Scan# 2021
Delta R.T. 0.000 min
Lab File: BF142791.D
Acq: 19 Jun 2025 18:39

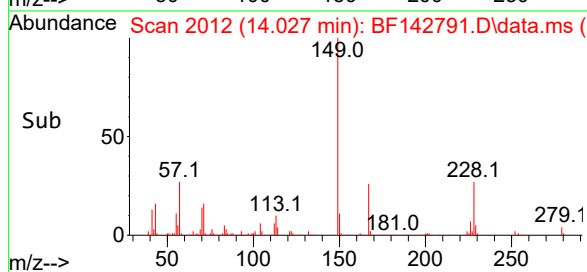
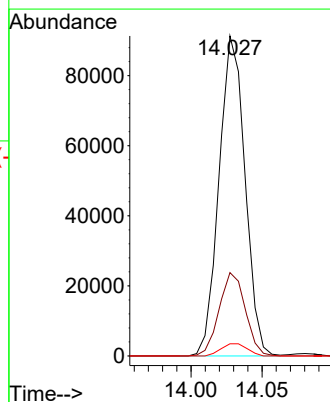
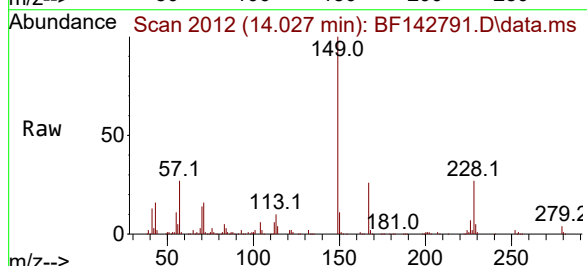
Instrument :
BNA_F
ClientSampleId :
SSTDICC020

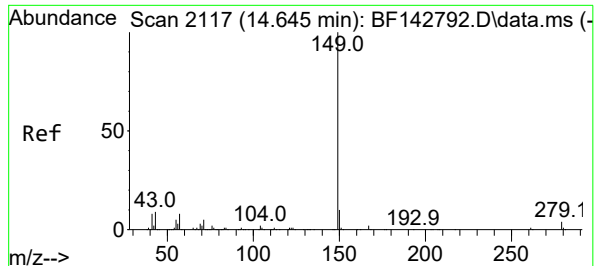
Tgt Ion:228 Resp: 182829
Ion Ratio Lower Upper
228 100
226 29.8 23.7 35.5
229 19.8 15.7 23.5



#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

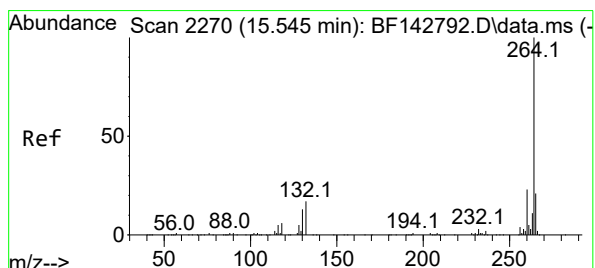
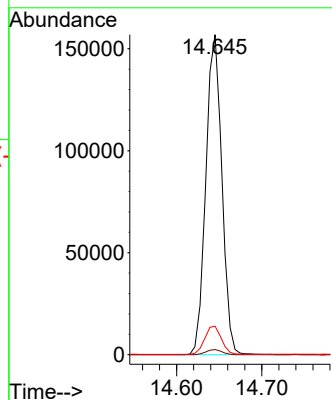
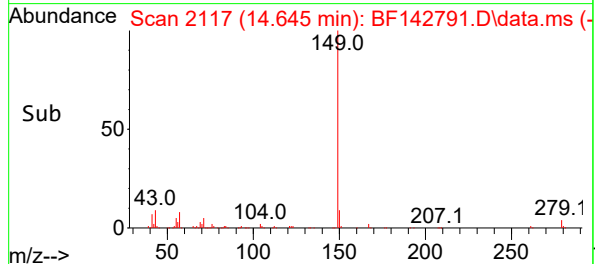
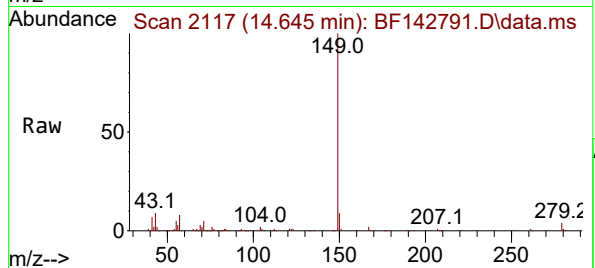




#85
Di-n-octyl phthalate
Concen: 17.475 ng
RT: 14.645 min Scan# 2117
Delta R.T. 0.000 min
Lab File: BF142791.D
Acq: 19 Jun 2025 18:39

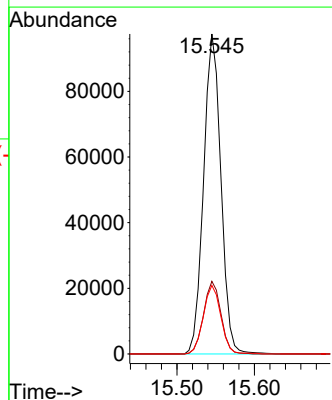
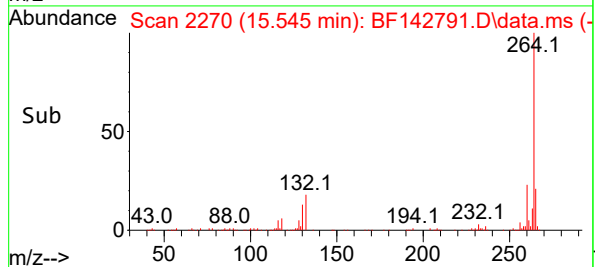
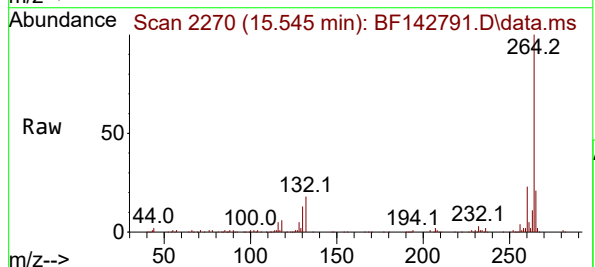
Instrument :
BNA_F
ClientSampleId :
SSTDICC020

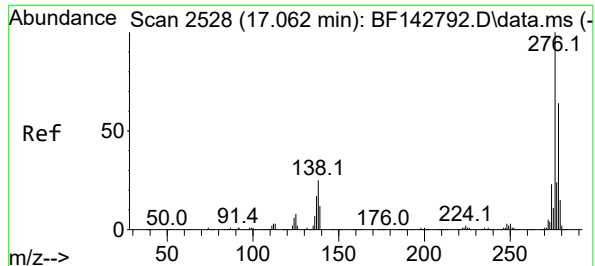
Tgt Ion:149 Resp: 204632
Ion Ratio Lower Upper
149 100
167 1.6 1.3 1.9
43 9.2 7.6 11.4



#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

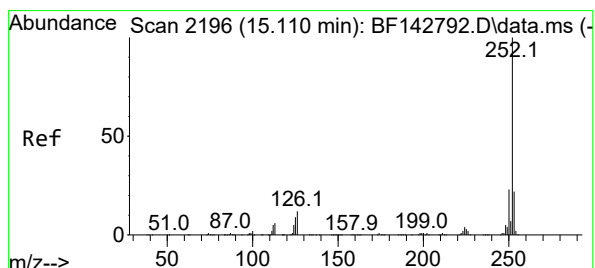
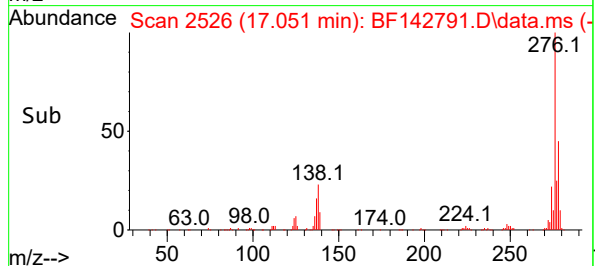
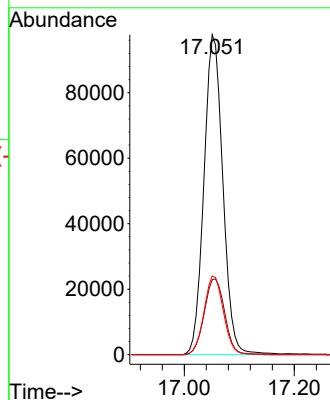
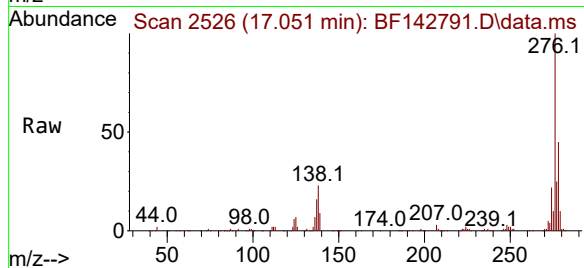
Tgt Ion:276 Resp: 233757

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

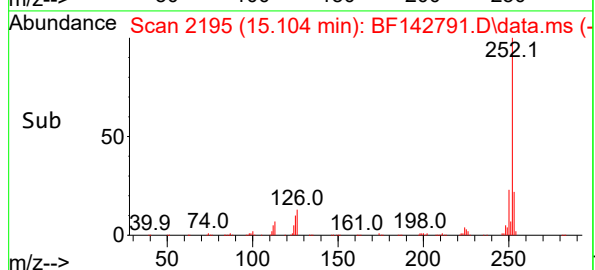
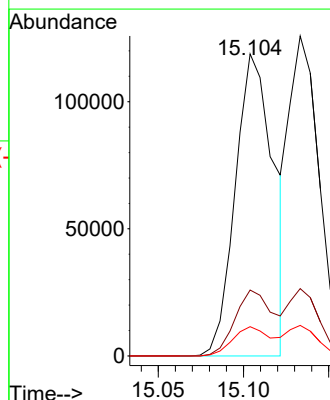
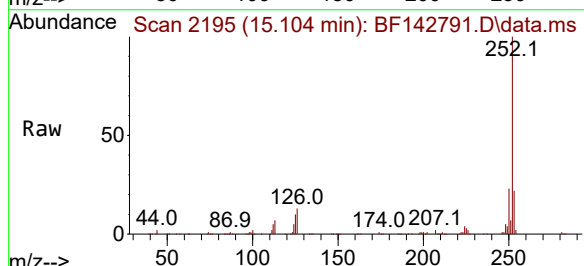
Tgt Ion:252 Resp: 185574

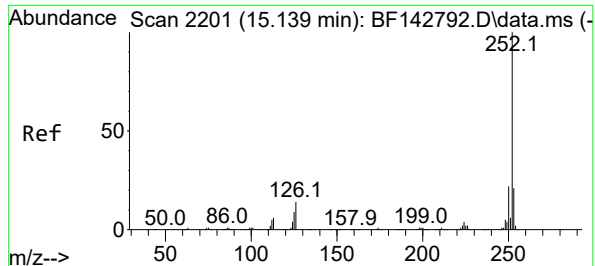
Ion Ratio Lower Upper

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

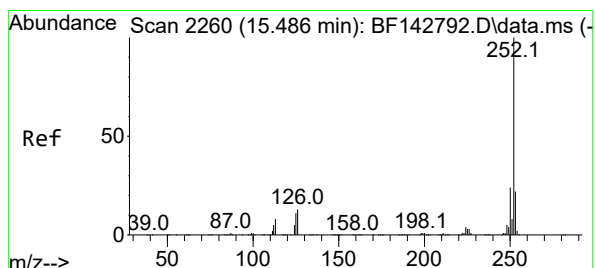
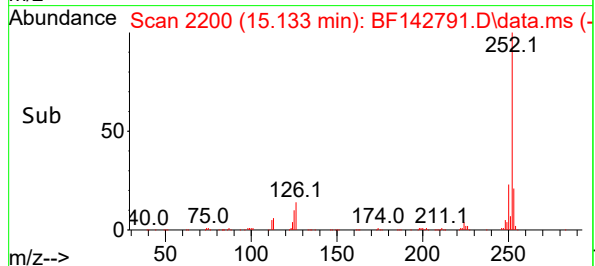
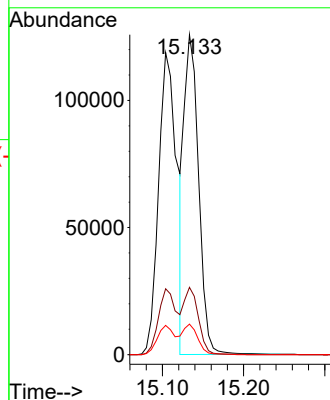
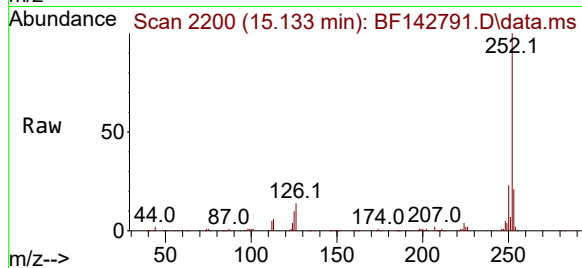
Tgt Ion:252 Resp: 156588

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

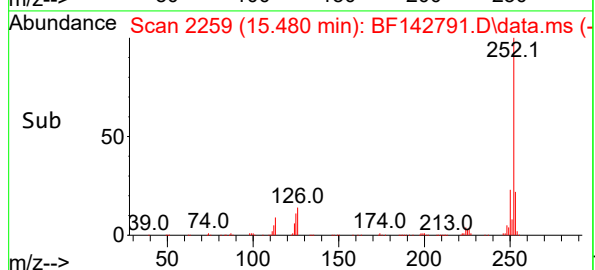
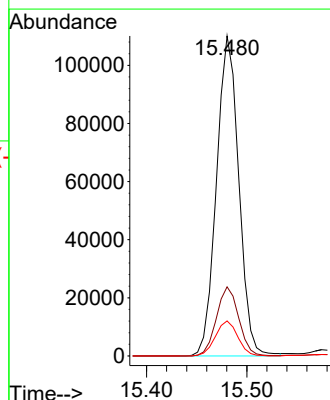
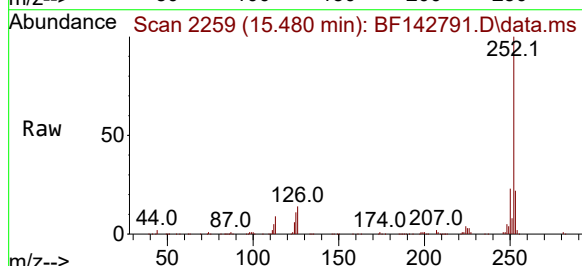
Tgt Ion:252 Resp: 170053

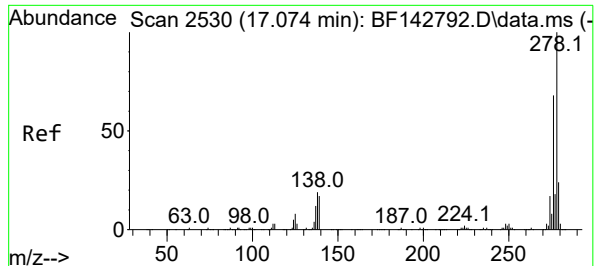
Ion Ratio Lower Upper

252 100

253 21.6 17.5 26.3

125 11.0 8.6 12.8

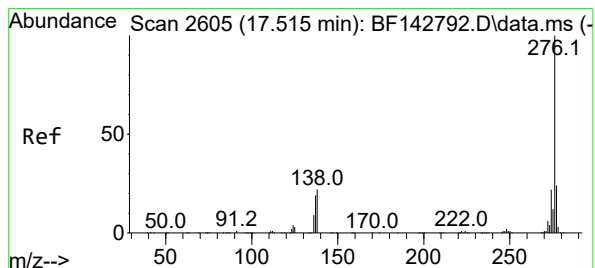
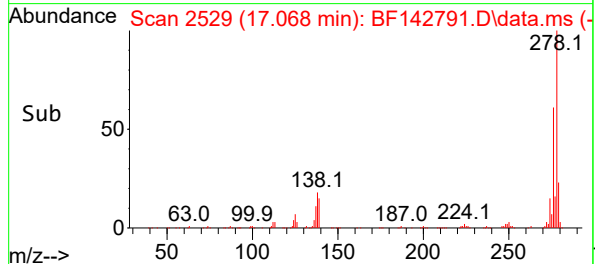
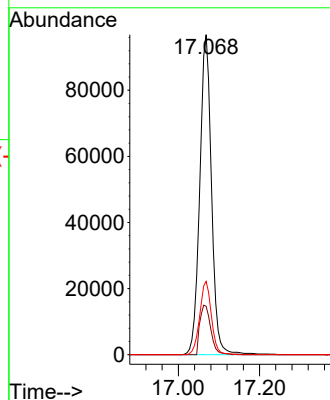
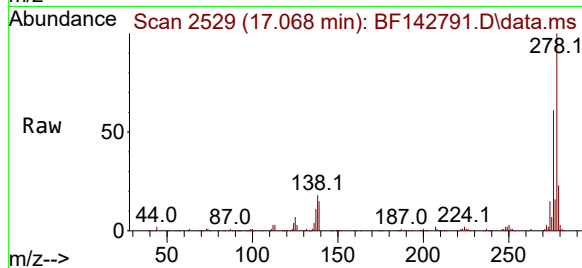




#91
Dibenzo(a,h)anthracene
Concen: 21.504 ng
RT: 17.068 min Scan# 21
Delta R.T. -0.006 min
Lab File: BF142791.D
Acq: 19 Jun 2025 18:39

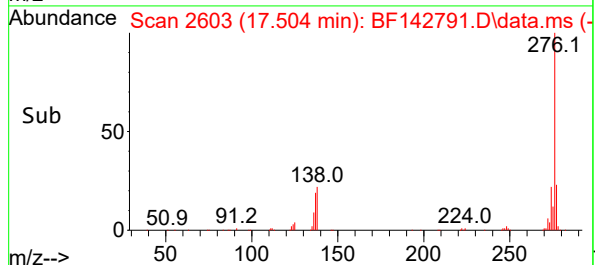
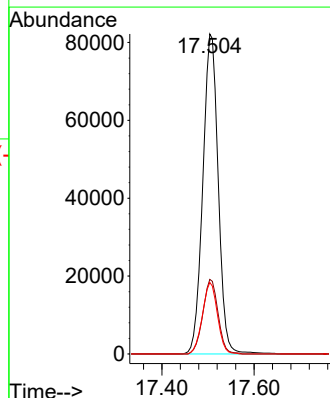
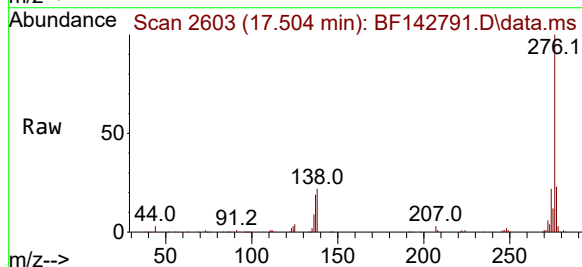
Instrument :
BNA_F
ClientSampleId :
SSTDICC020

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 : SSTDICC040
 Misc :
 ALS Vial : 6 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 SSTDICC040

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 : SSTDICC040
 Misc :
 ALS Vial : 6 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 SSTDICC040

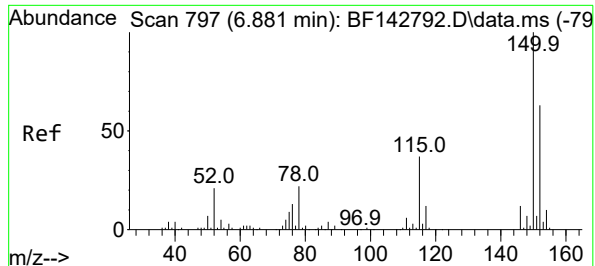
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 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Fri Jun 20 04:36:38 2025
 Response via : Initial Calibration

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-phenyle...	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-methylph...	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)phtha...	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 :
SSTDICC040

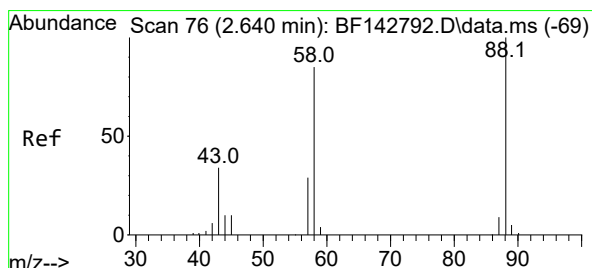
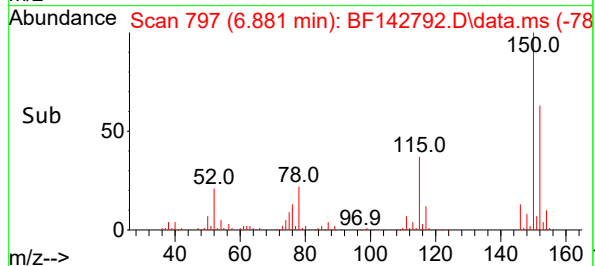
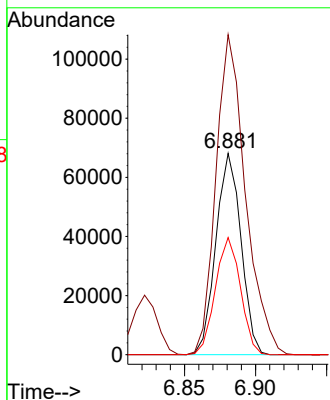
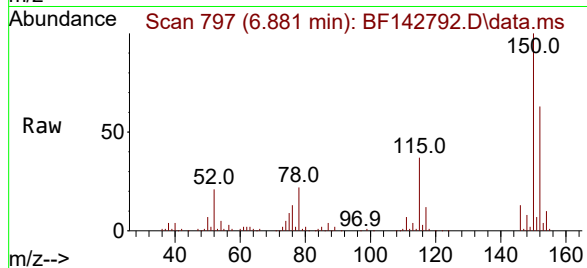
[illegible]



#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

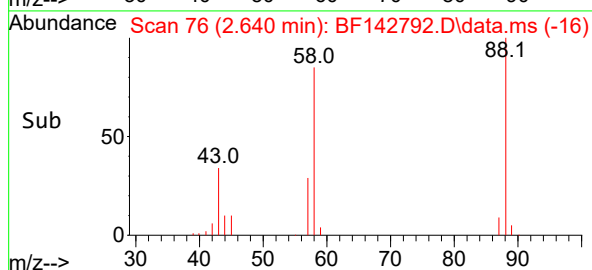
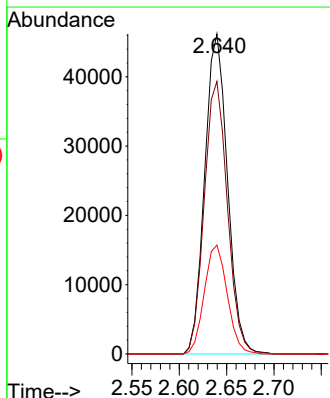
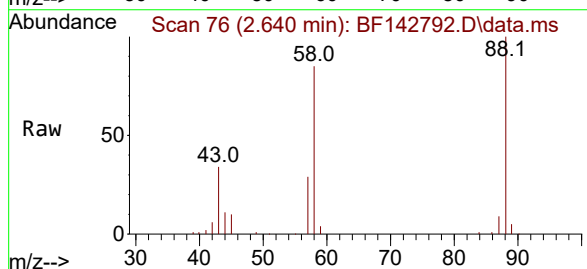
Instrument :
BNA_F
ClientSampleId :
SSTDICC040

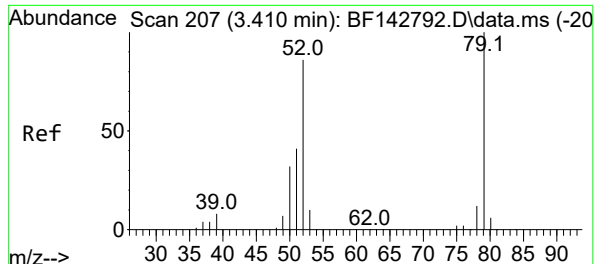
Tgt Ion:152 Resp: 83734
Ion Ratio Lower Upper
152 100
150 159.0 127.2 190.8
115 58.2 46.6 69.8



#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 :

SSTDICC040

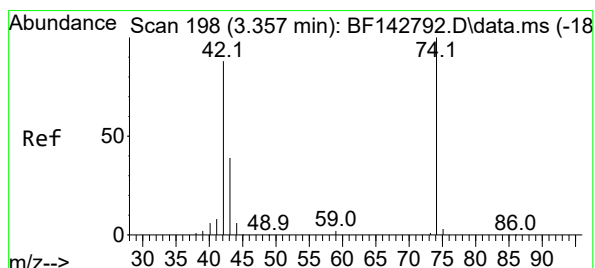
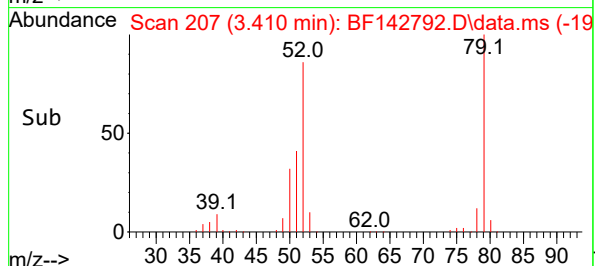
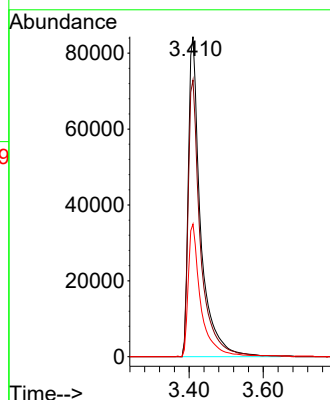
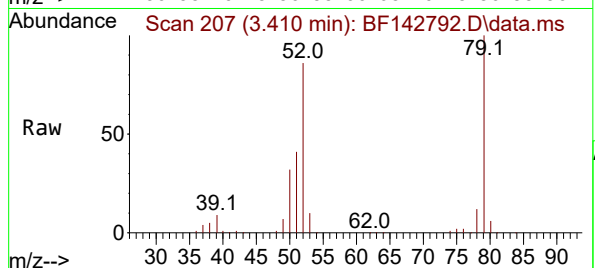
Tgt Ion: 79 Resp: 194866

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

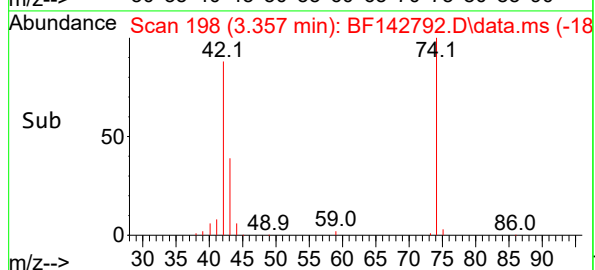
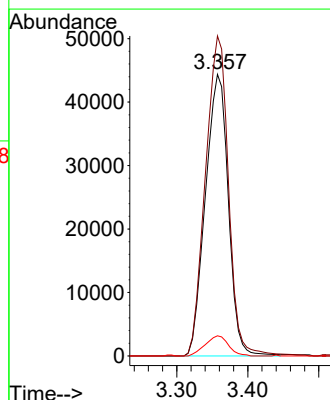
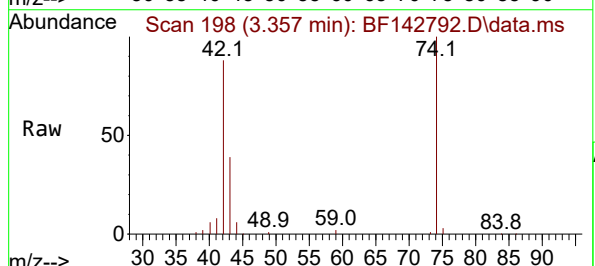
Tgt Ion: 42 Resp: 99851

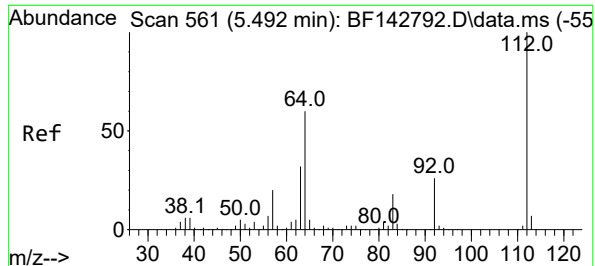
Ion Ratio Lower Upper

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# 5

Delta R.T. 0.000 min

Lab File: BF142792.D

Acq: 19 Jun 2025 19:09

Instrument :

BNA_F

ClientSampleId :

SSTDICC040

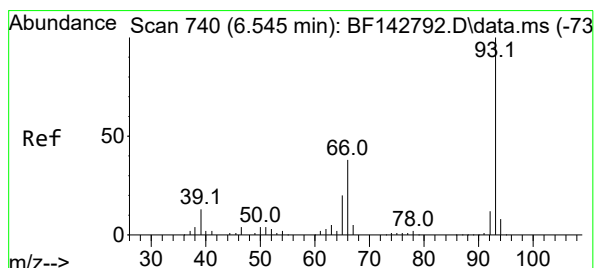
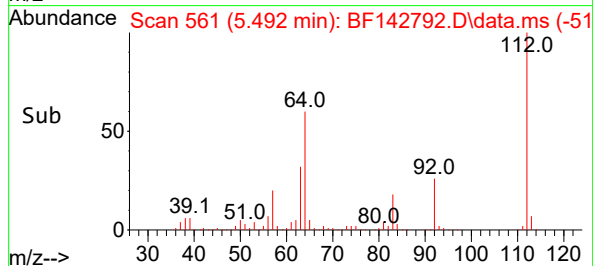
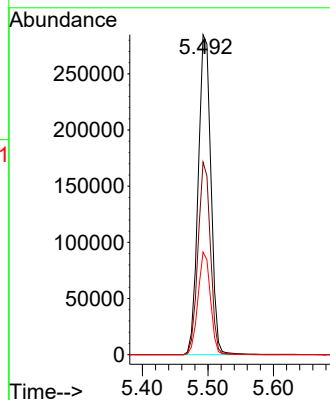
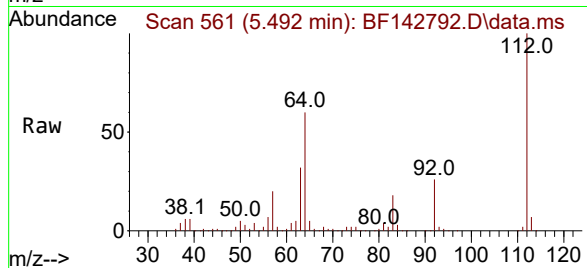
Tgt Ion:112 Resp: 384996

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

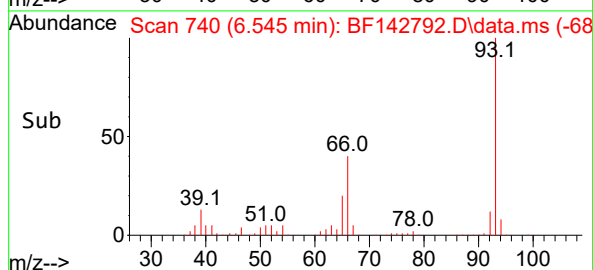
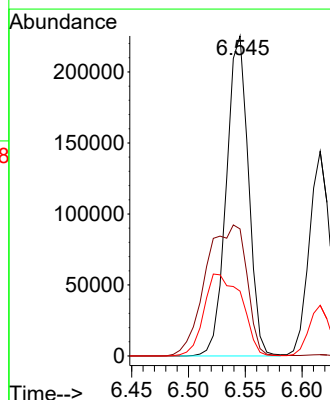
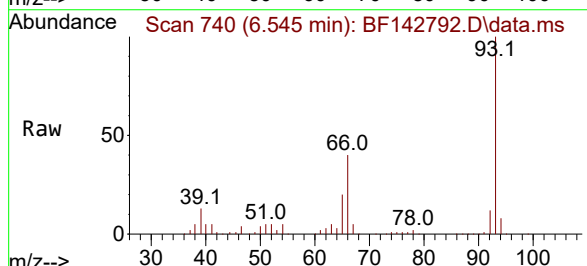
Tgt Ion: 93 Resp: 304377

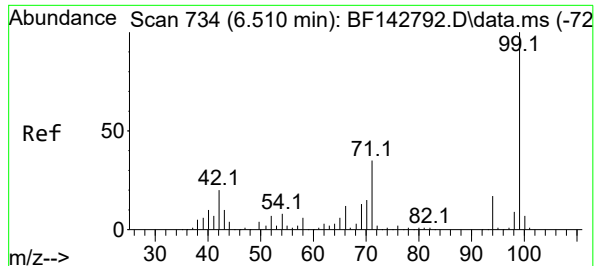
Ion Ratio Lower Upper

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# 71

Delta R.T. 0.000 min

Lab File: BF142792.D

Acq: 19 Jun 2025 19:09

Instrument :

BNA_F

ClientSampleId :

SSTDICC040

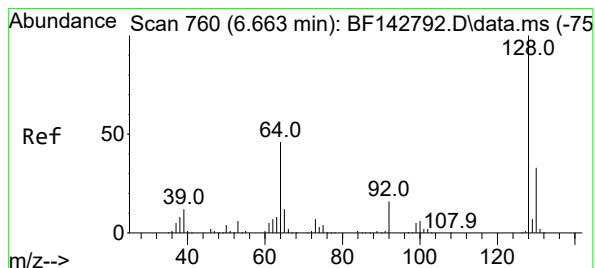
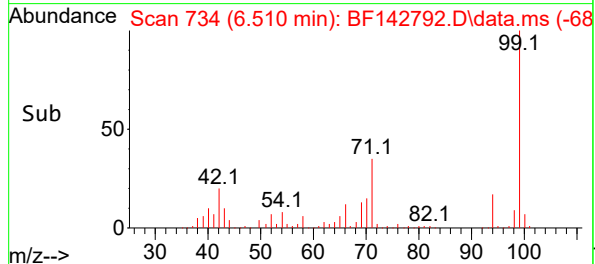
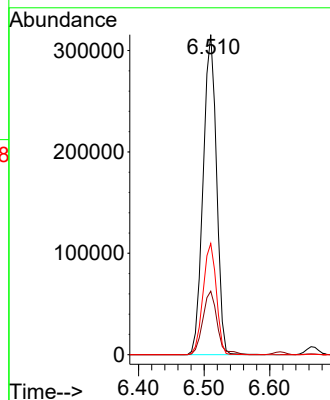
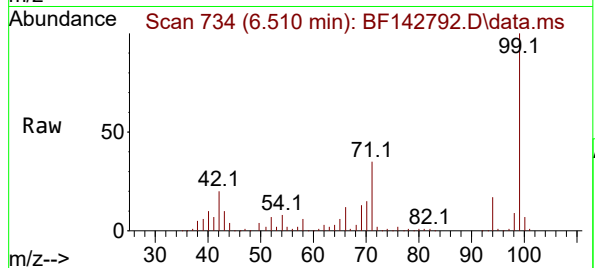
Tgt Ion: 99 Resp: 448961

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

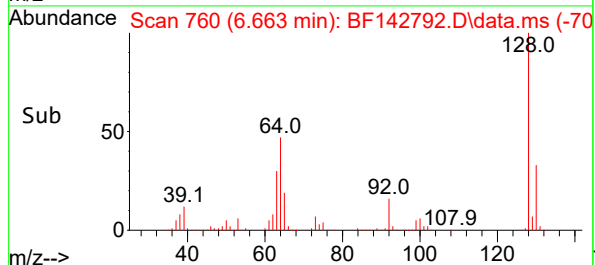
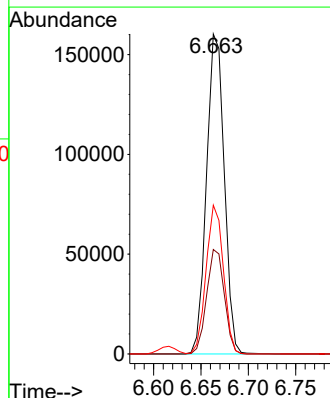
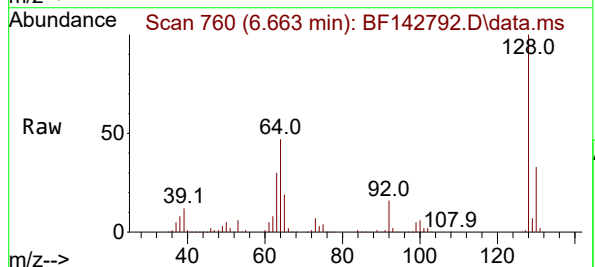
Tgt Ion: 128 Resp: 208444

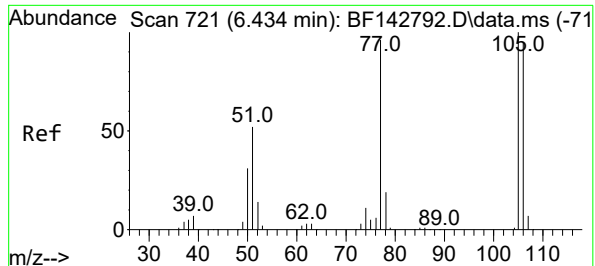
Ion Ratio Lower Upper

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 :

SSTDICC040

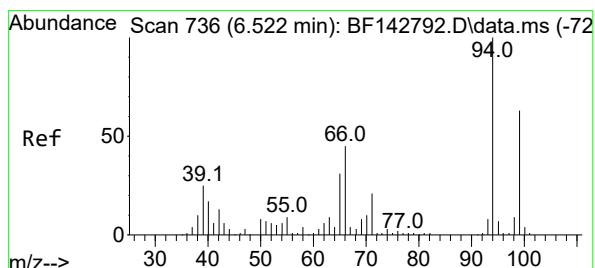
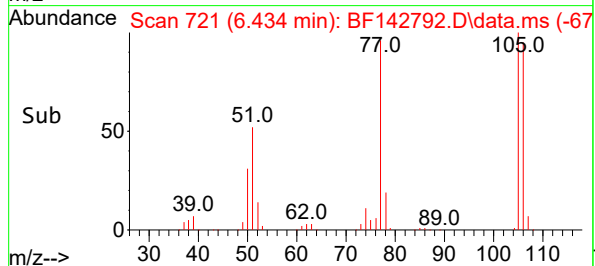
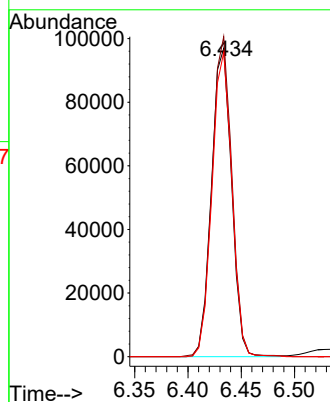
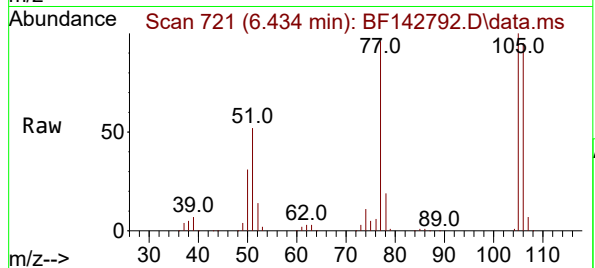
Tgt Ion: 77 Resp: 126748

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

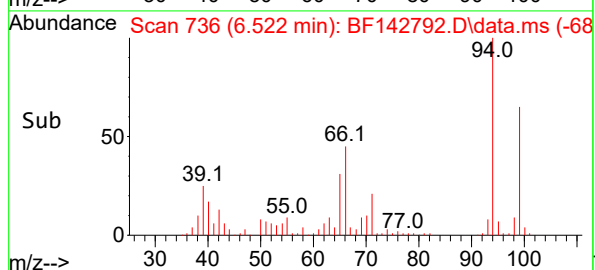
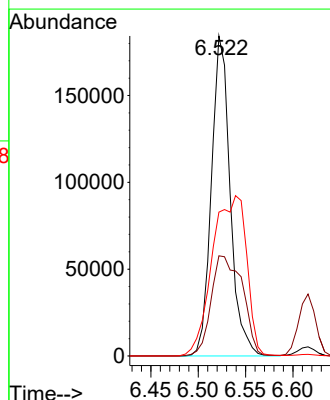
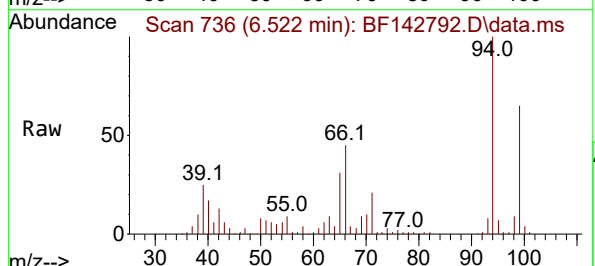
Tgt Ion: 94 Resp: 253916

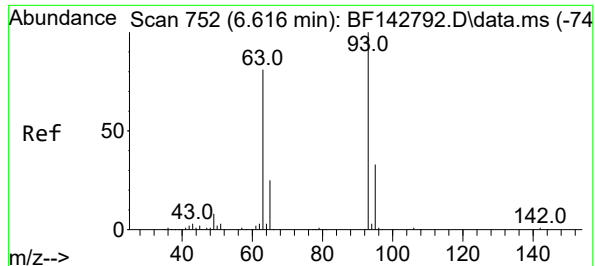
Ion Ratio Lower Upper

94 100

65 31.3 11.3 51.3

66 44.9 24.9 64.9

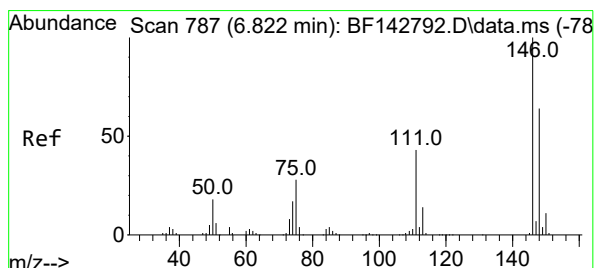
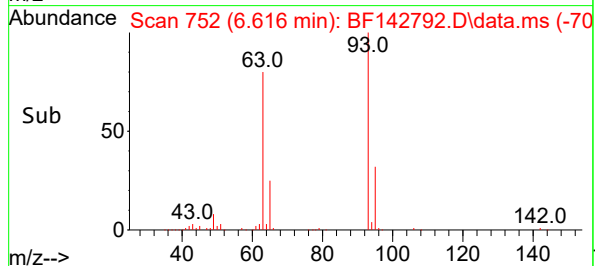
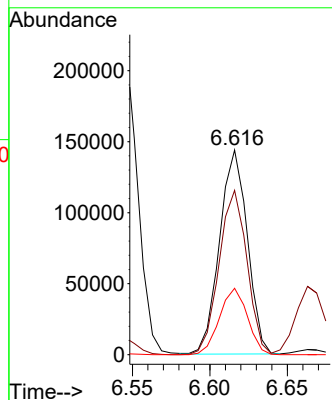
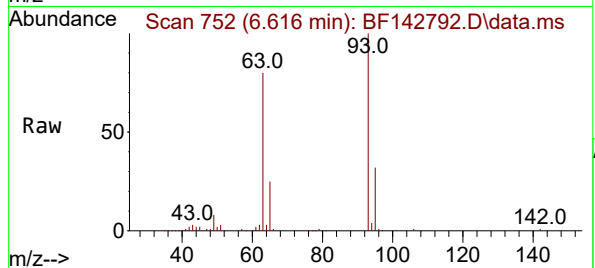




#11
bis(2-Chloroethyl)ether
Concen: 37.634 ng
RT: 6.616 min Scan# 752
Delta R.T. 0.000 min
Lab File: BF142792.D
Acq: 19 Jun 2025 19:09

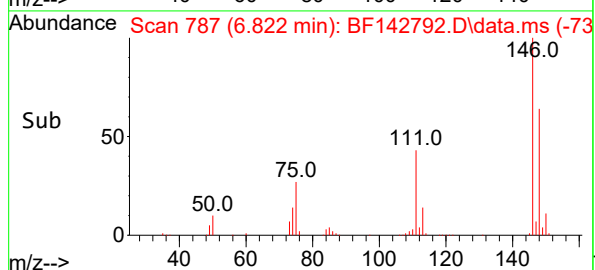
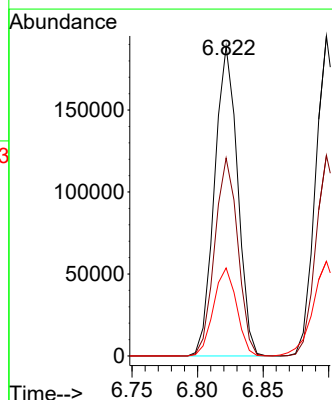
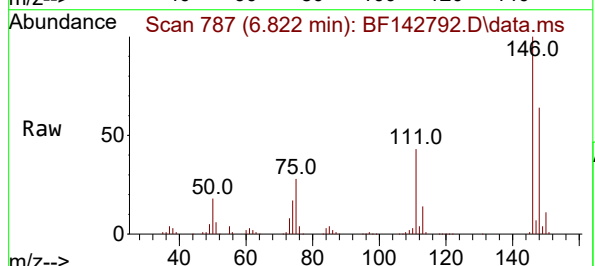
Instrument :
BNA_F
ClientSampleId :
SSTDICC040

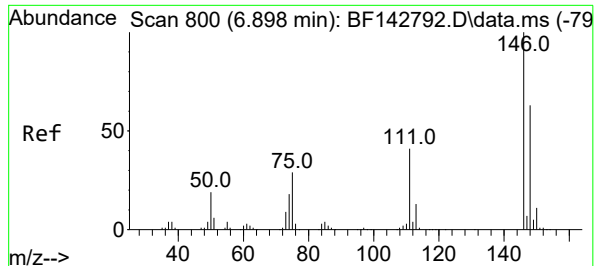
Tgt Ion: 93 Resp: 179469
Ion Ratio Lower Upper
93 100
63 80.3 60.3 100.3
95 32.5 12.5 52.5



#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 :

SSTDICC040

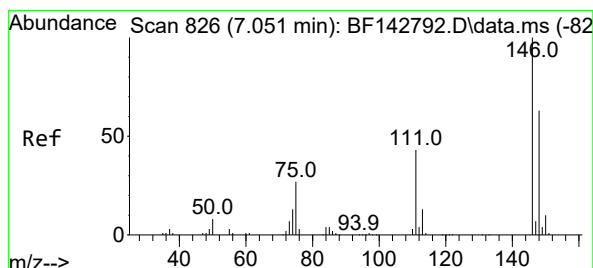
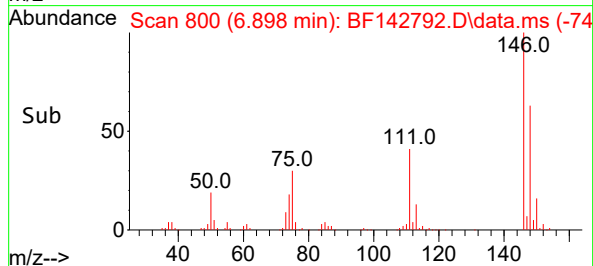
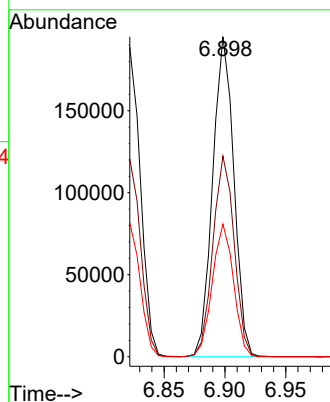
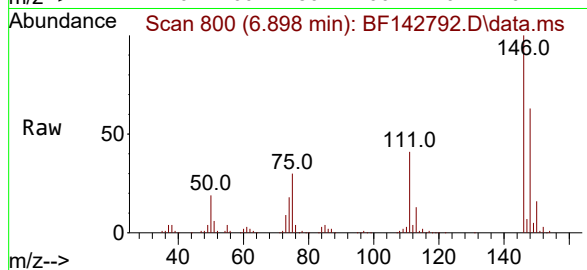
Tgt Ion:146 Resp: 235951

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

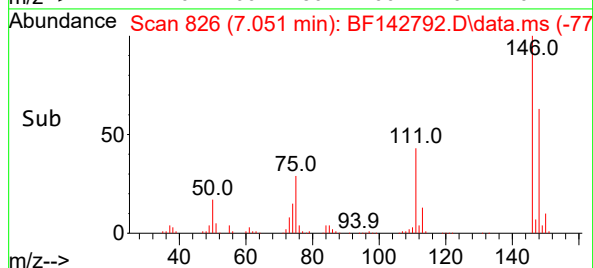
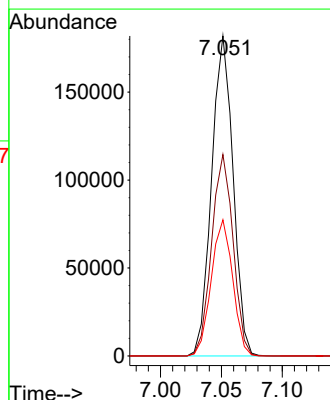
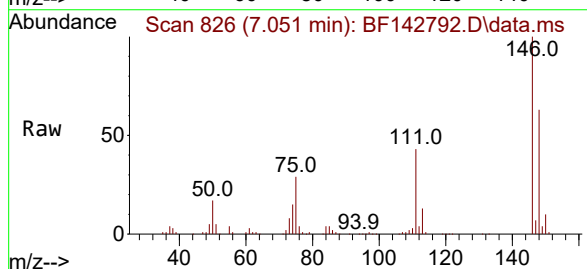
Tgt Ion:146 Resp: 222976

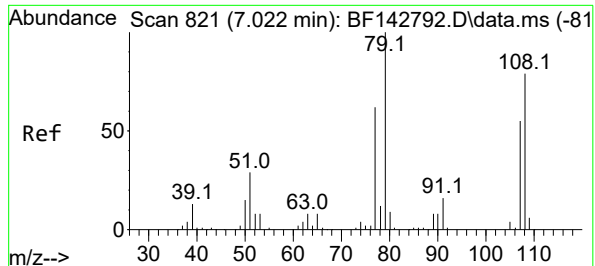
Ion Ratio Lower Upper

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 :

SSTDICC040

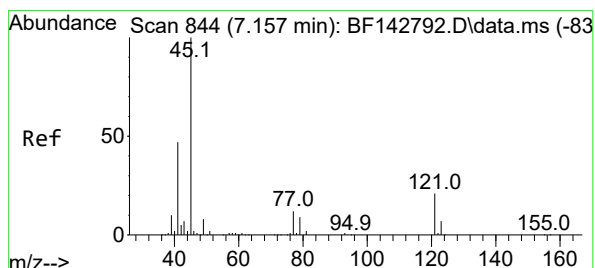
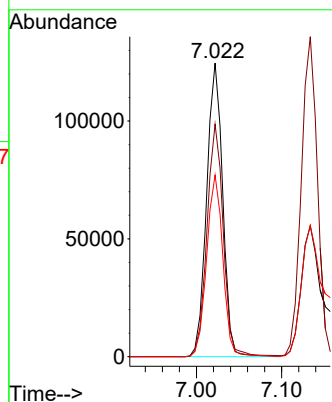
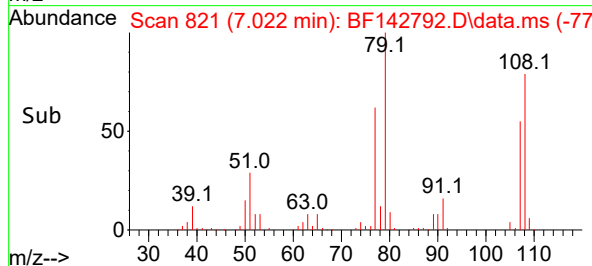
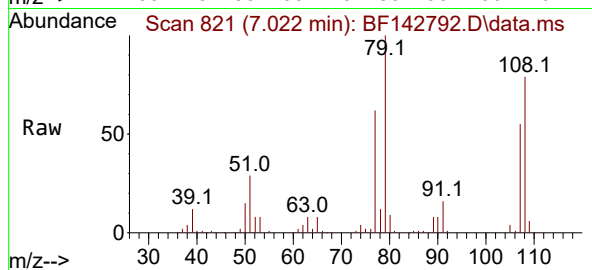
Tgt Ion: 79 Resp: 163491

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

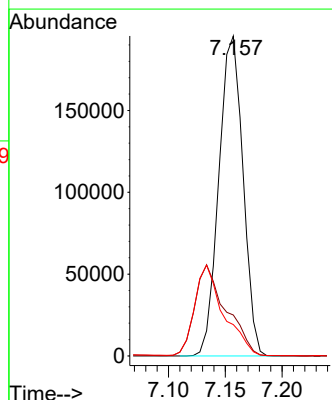
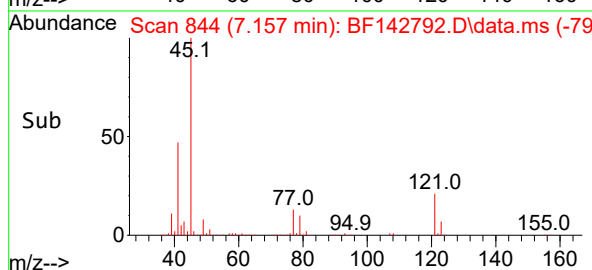
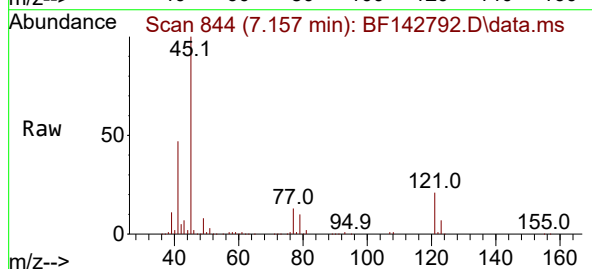
Tgt Ion: 45 Resp: 288515

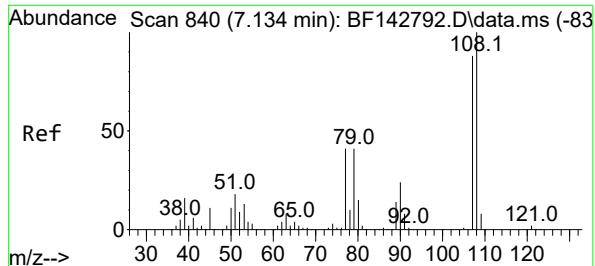
Ion Ratio Lower Upper

45 100

77 12.8 0.0 32.8

79 9.8 0.0 29.8

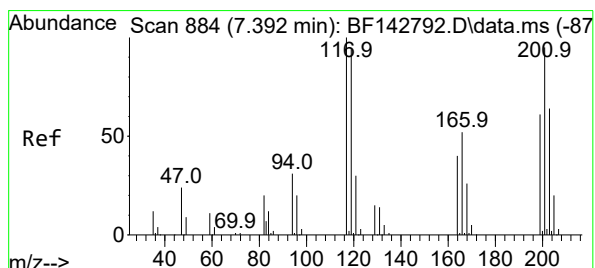
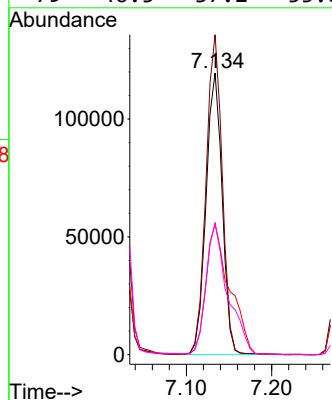
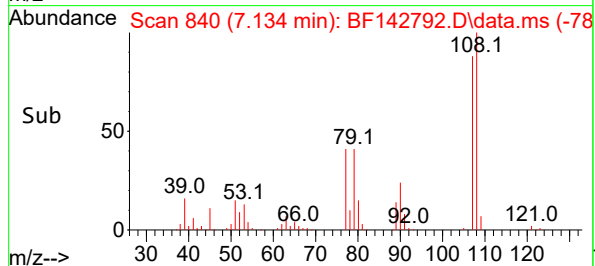
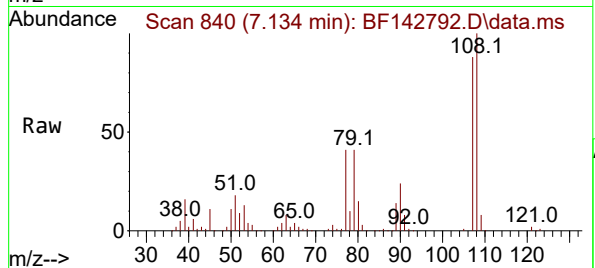




#17
2-Methylphenol
Concen: 38.454 ng
RT: 7.134 min Scan# 840
Delta R.T. 0.000 min
Lab File: BF142792.D
Acq: 19 Jun 2025 19:09

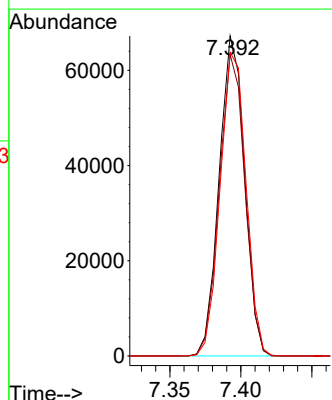
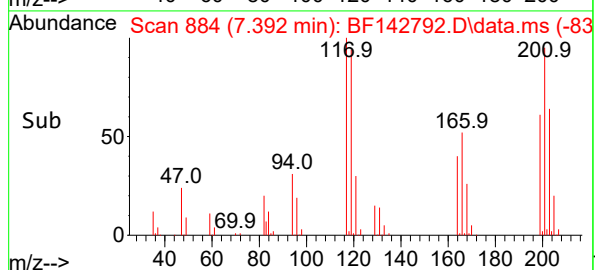
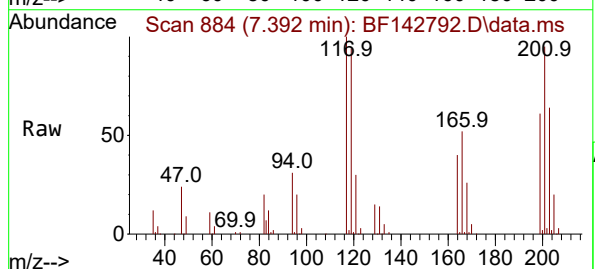
Instrument :
BNA_F
ClientSampleId :
SSTDICC040

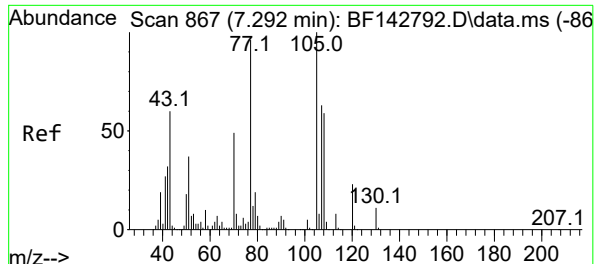
Tgt Ion:107 Resp: 157159
Ion Ratio Lower Upper
107 100
108 113.6 90.9 136.3
77 46.6 37.3 55.9
79 46.5 37.2 55.8



#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 :

SSTDICC040

Tgt Ion: 70 Resp: 131792

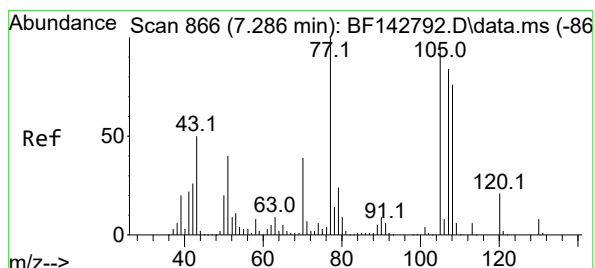
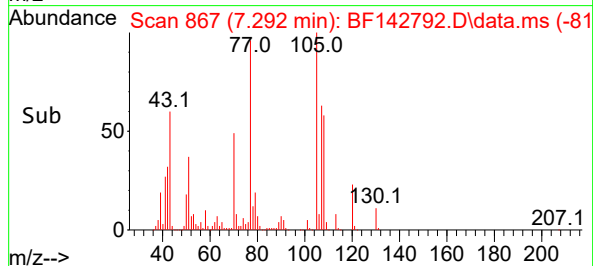
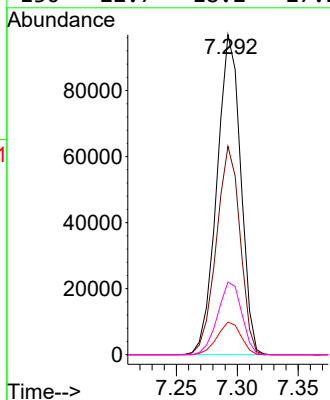
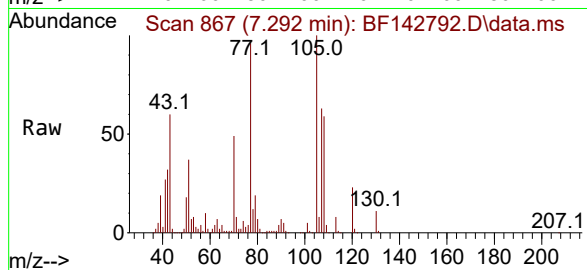
Ion Ratio Lower Upper

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

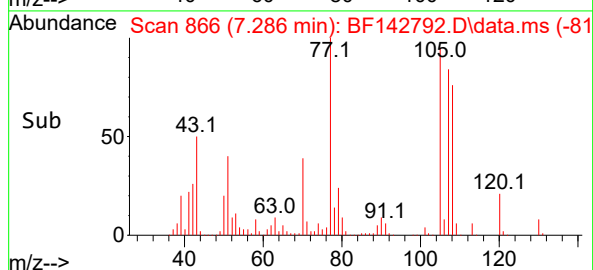
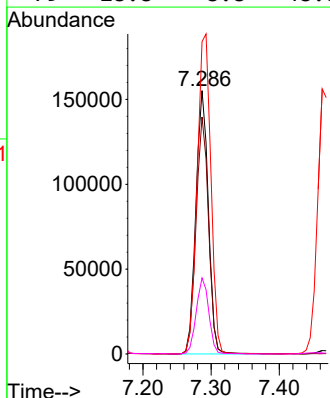
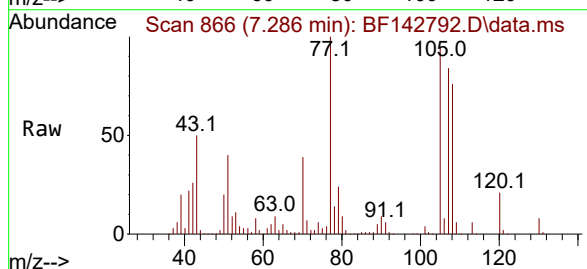
Ion Ratio Lower Upper

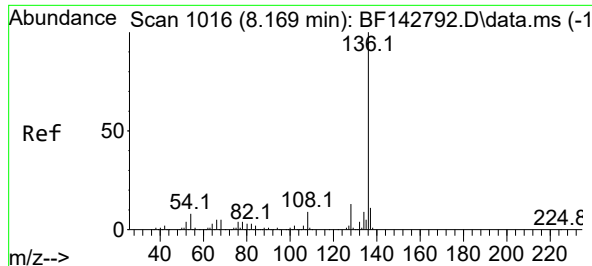
107 100

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 :

SSTDICC040

Tgt Ion:136 Resp: 313297

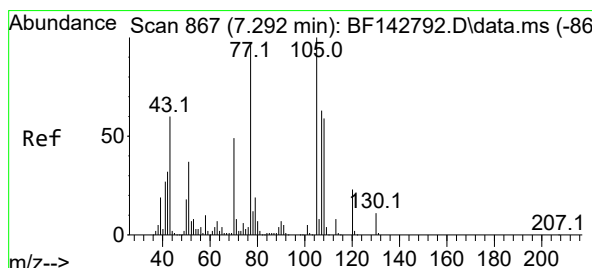
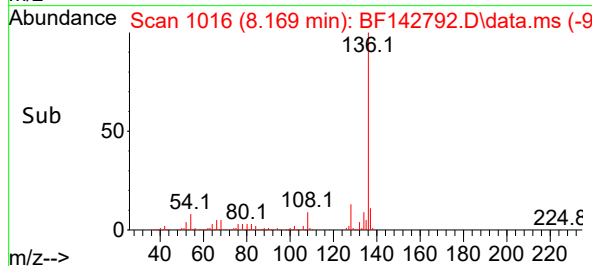
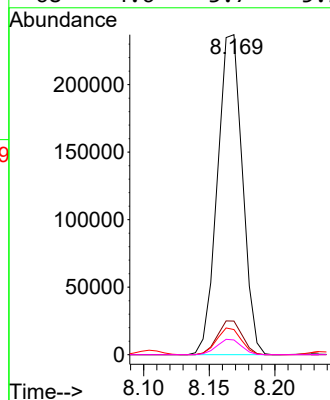
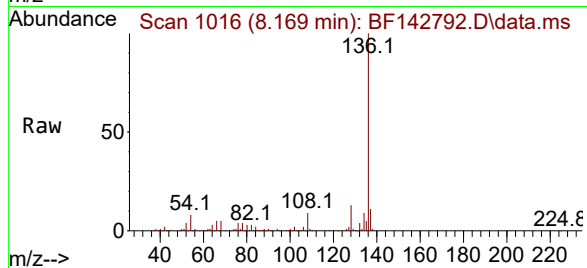
Ion Ratio Lower Upper

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

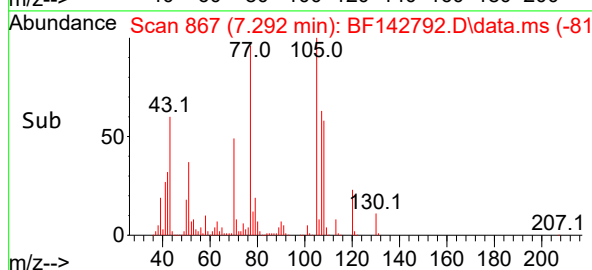
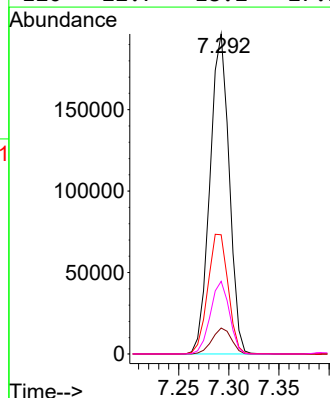
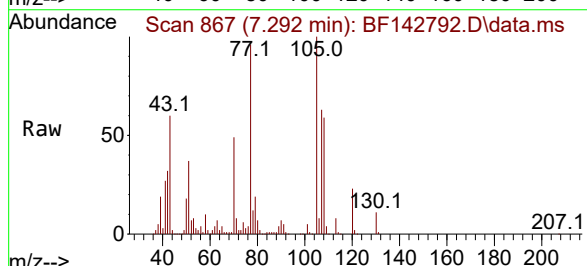
Ion Ratio Lower Upper

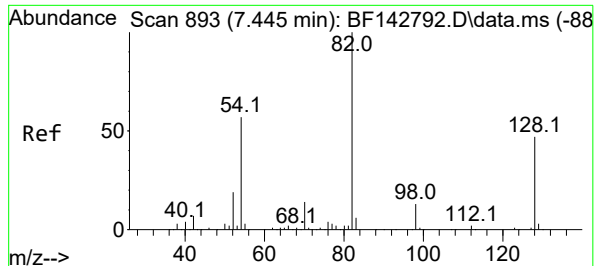
105 100

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 :

SSTDICC040

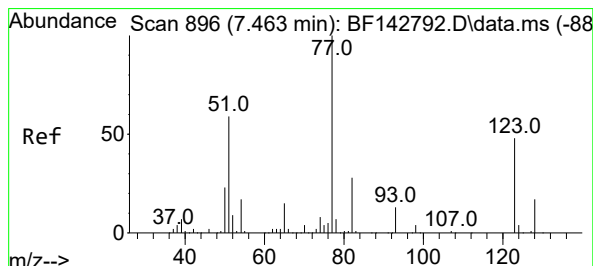
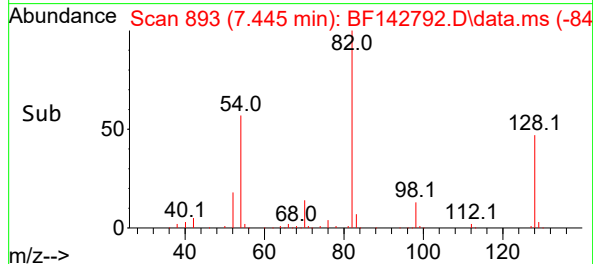
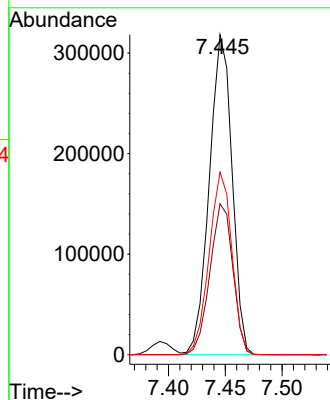
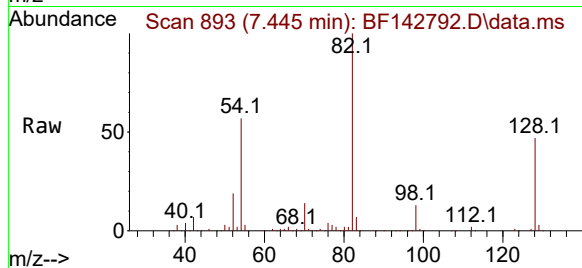
Tgt Ion: 82 Resp: 443431

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

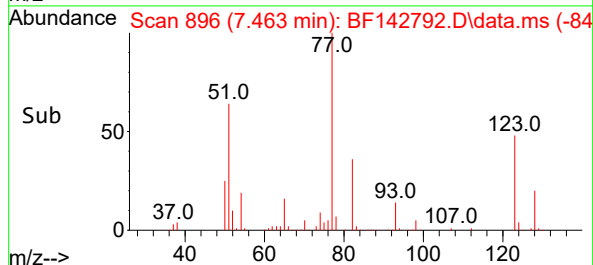
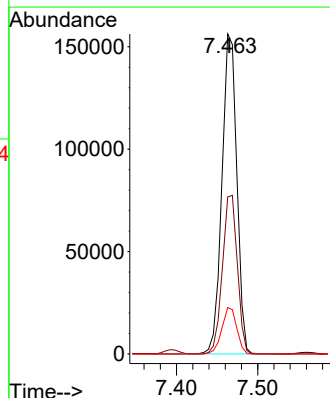
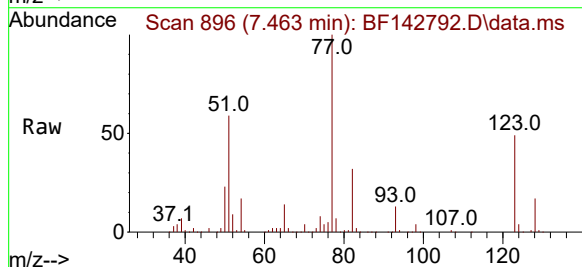
Tgt Ion: 77 Resp: 200051

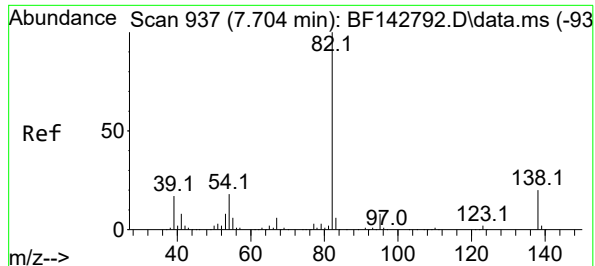
Ion Ratio Lower Upper

77 100

123 49.0 39.2 58.8

65 14.5 11.6 17.4

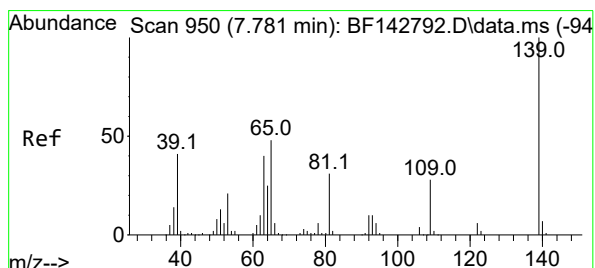
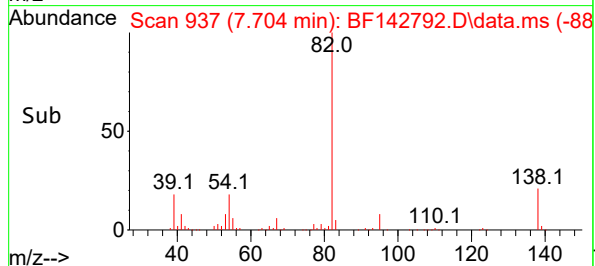
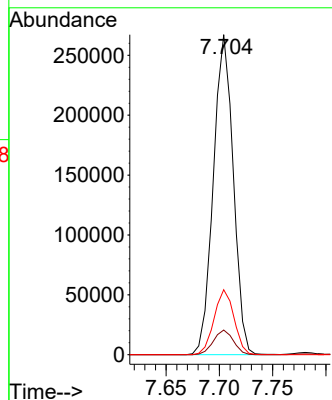
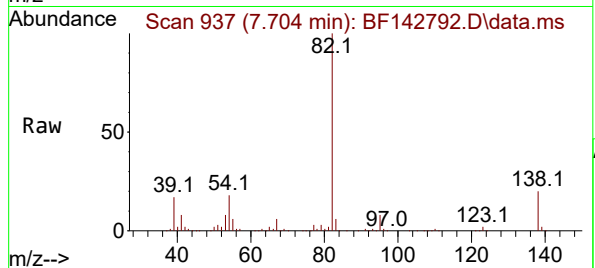




#25
Isophorone
Concen: 36.294 ng
RT: 7.704 min Scan# 91
Delta R.T. 0.000 min
Lab File: BF142792.D
Acq: 19 Jun 2025 19:09

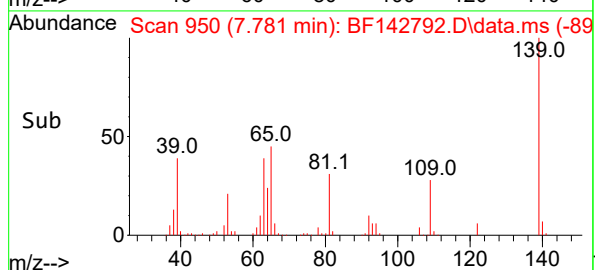
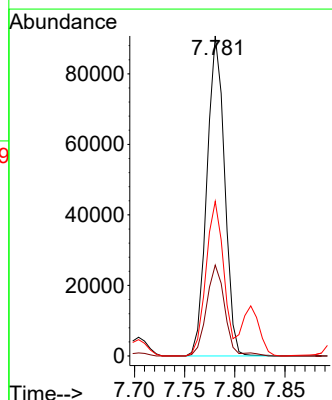
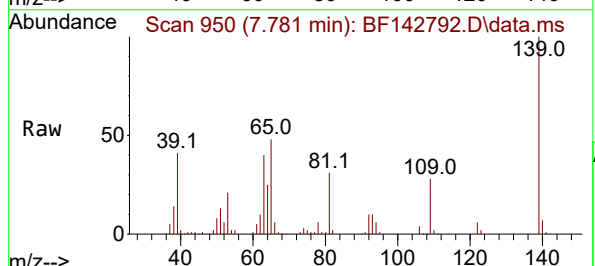
Instrument :
BNA_F
ClientSampleId :
SSTDICC040

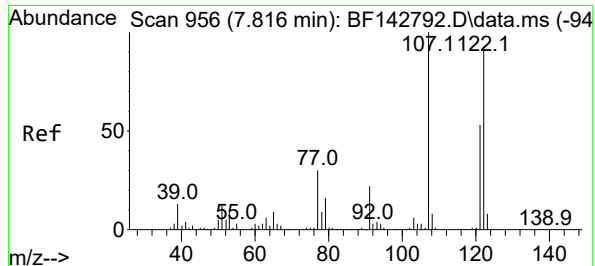
Tgt Ion: 82 Resp: 347894
Ion Ratio Lower Upper
82 100
95 7.7 6.2 9.2
138 20.3 16.2 24.4



#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 :

SSTDICC040

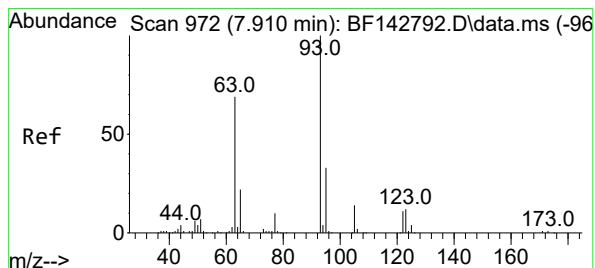
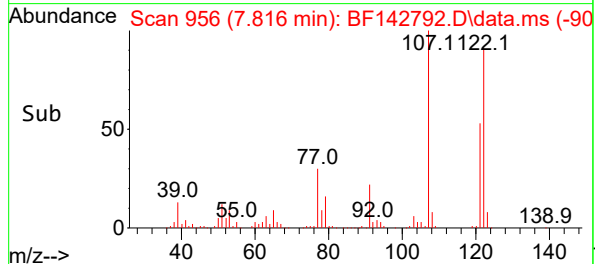
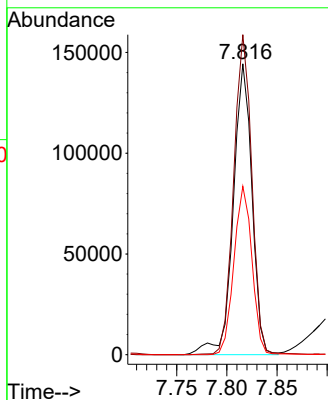
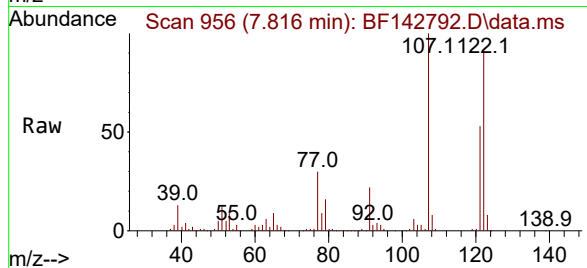
Tgt Ion:122 Resp: 187808

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

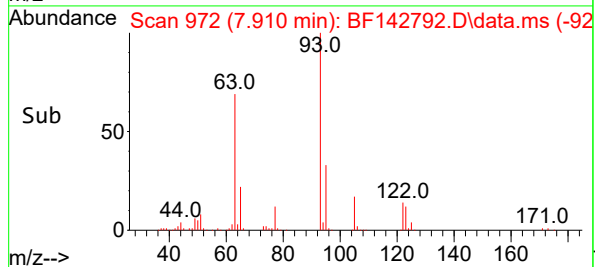
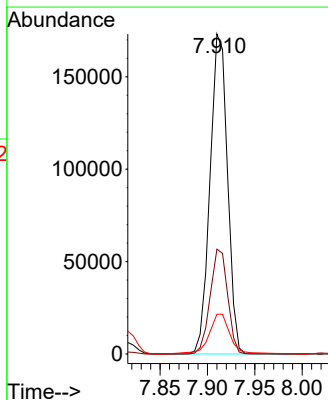
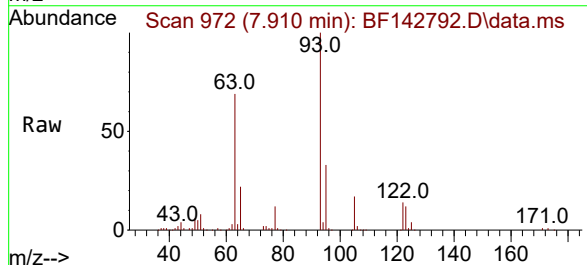
Tgt Ion: 93 Resp: 222264

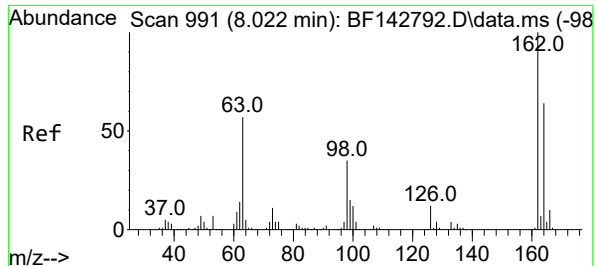
Ion Ratio Lower Upper

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 :

SSTDICC040

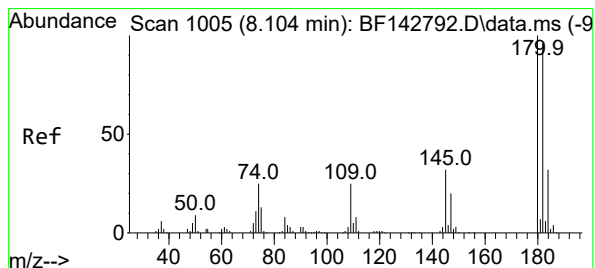
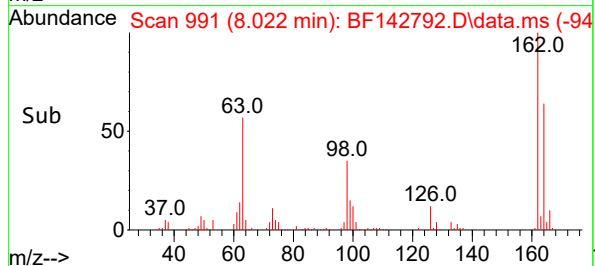
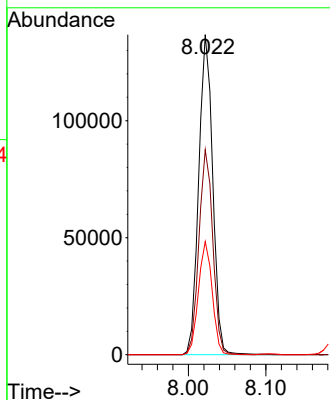
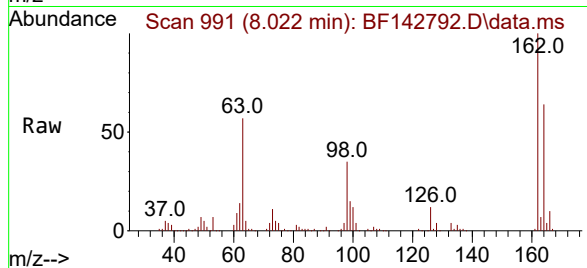
Tgt Ion:162 Resp: 171329

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

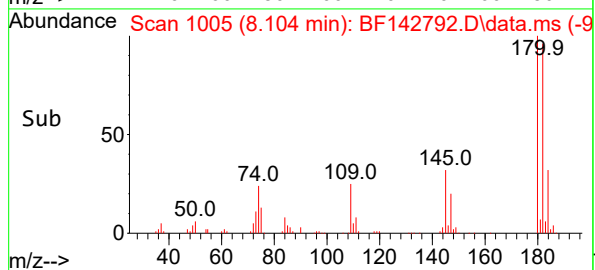
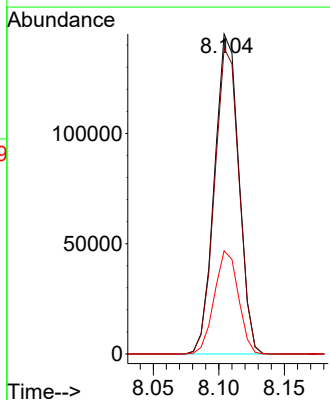
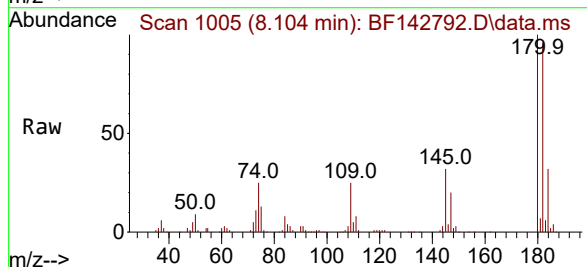
Tgt Ion:180 Resp: 187194

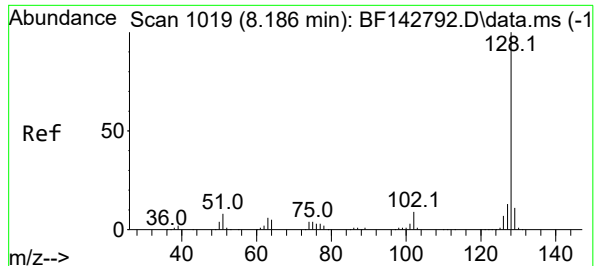
Ion Ratio Lower Upper

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 :

SSTDICC040

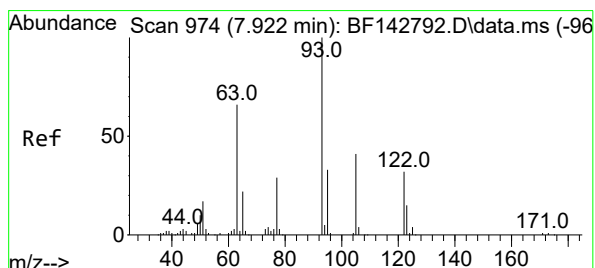
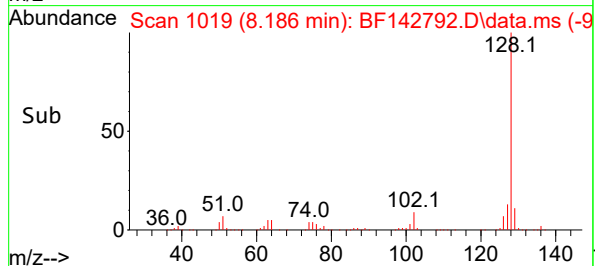
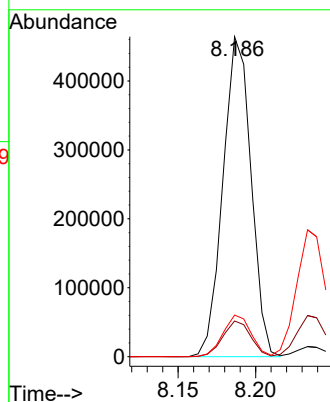
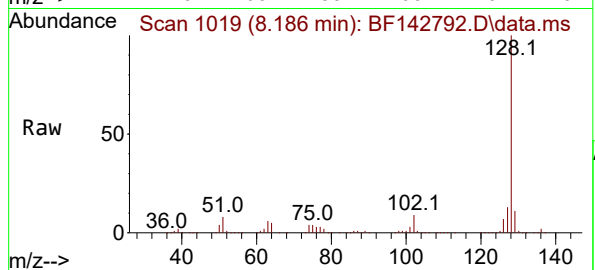
Tgt Ion:128 Resp: 584986

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

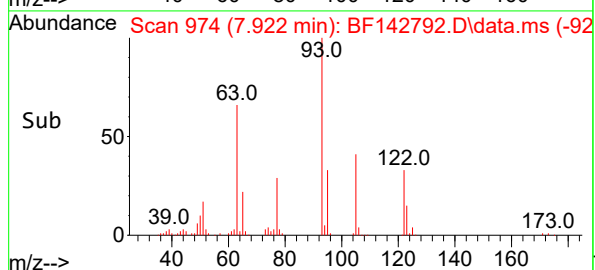
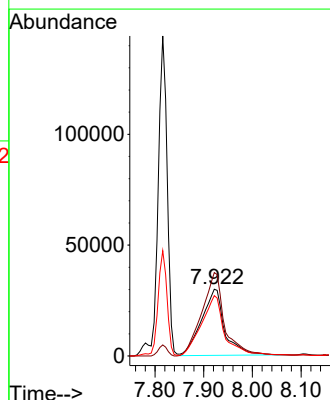
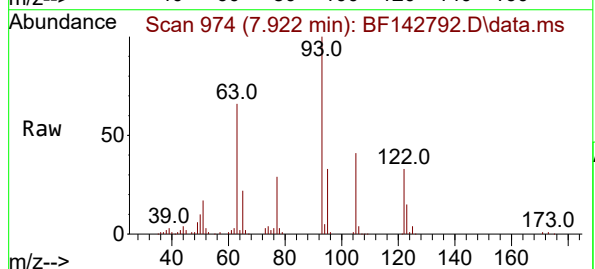
Tgt Ion:122 Resp: 98210

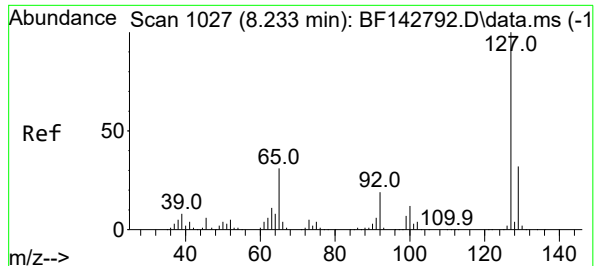
Ion Ratio Lower Upper

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 :

SSTDICC040

Tgt Ion:127 Resp: 237317

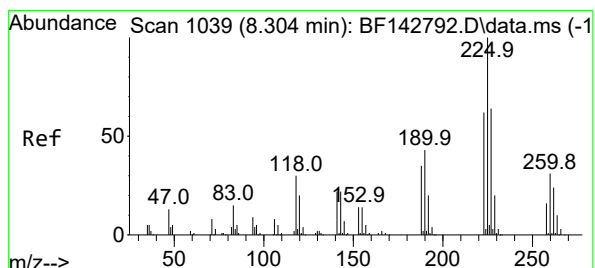
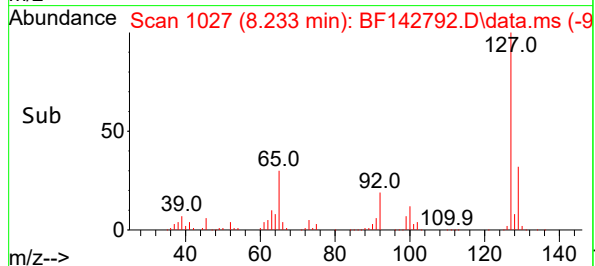
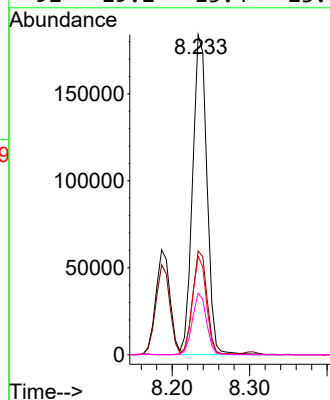
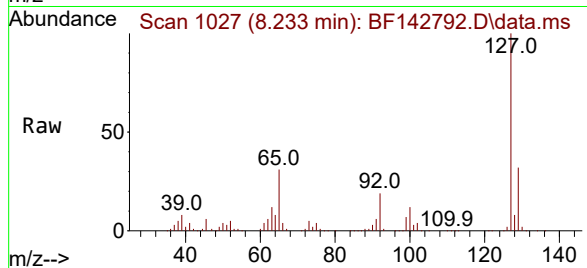
Ion Ratio Lower Upper

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

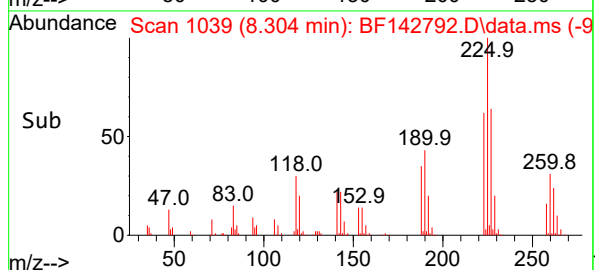
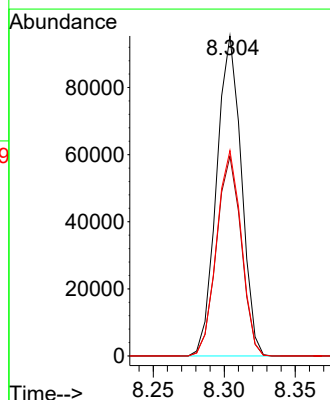
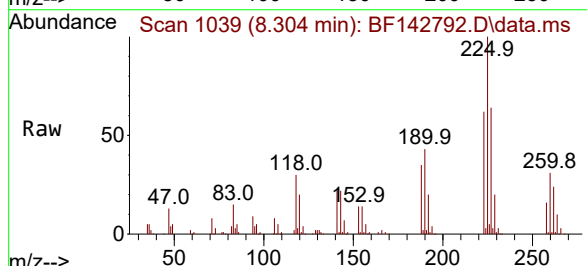
Tgt Ion:225 Resp: 115333

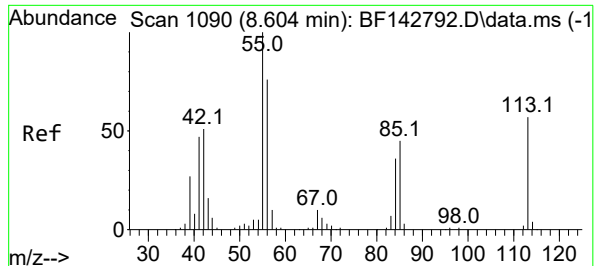
Ion Ratio Lower Upper

225 100

223 62.4 49.9 74.9

227 64.2 51.4 77.0

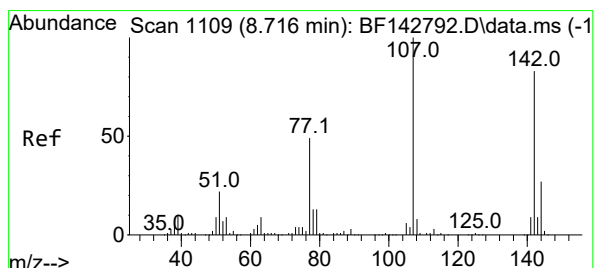
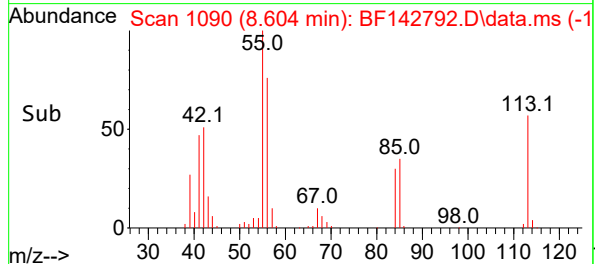
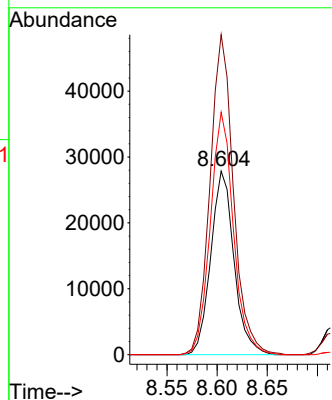
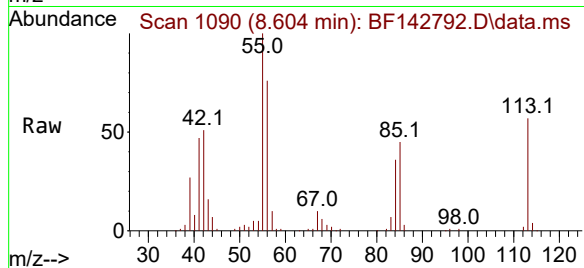




#35
Caprolactam
Concen: 37.583 ng
RT: 8.604 min Scan# 1090
Delta R.T. 0.000 min
Lab File: BF142792.D
Acq: 19 Jun 2025 19:09

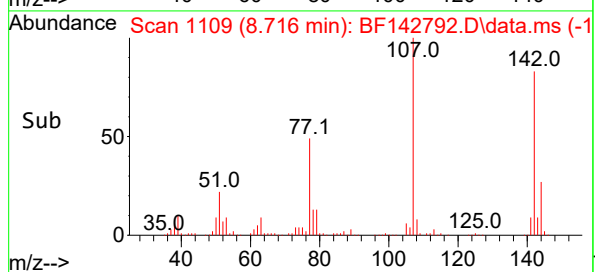
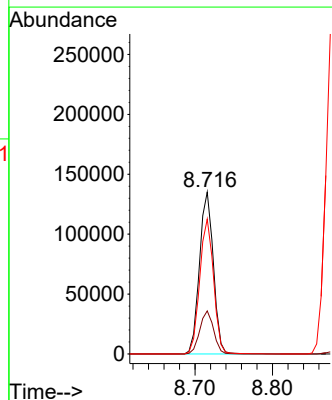
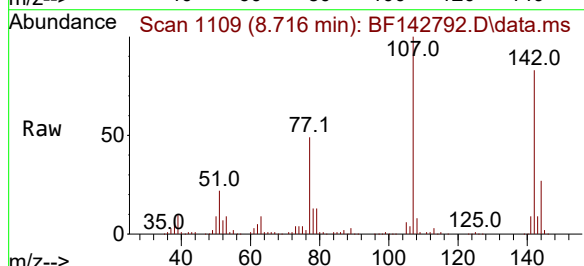
Instrument :
BNA_F
ClientSampleId :
SSTDICC040

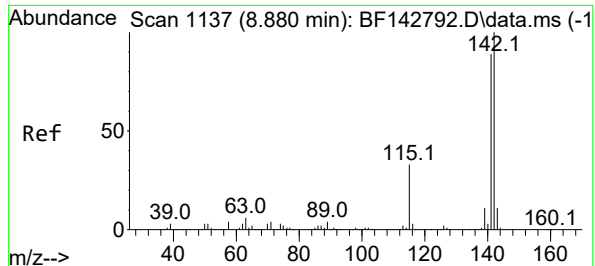
Tgt Ion:113 Resp: 44914
Ion Ratio Lower Upper
113 100
55 174.4 154.4 194.4
56 132.1 112.1 152.1



#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

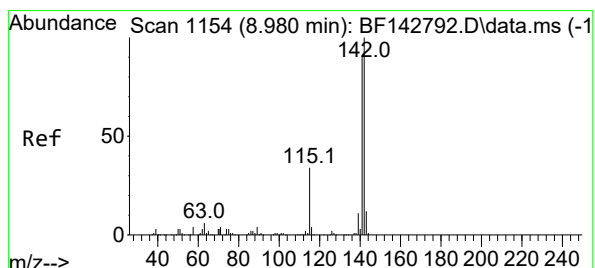
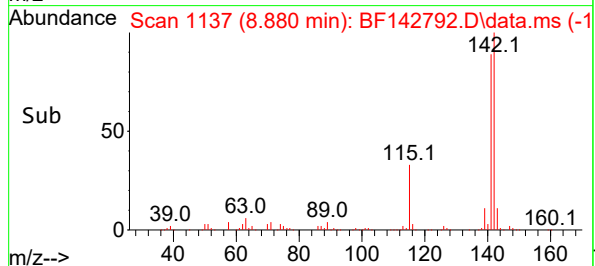
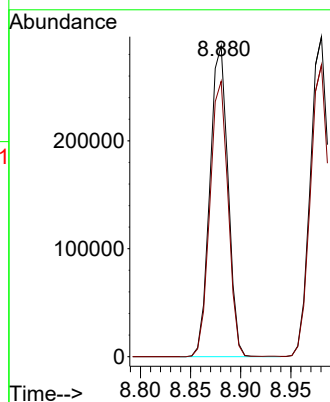
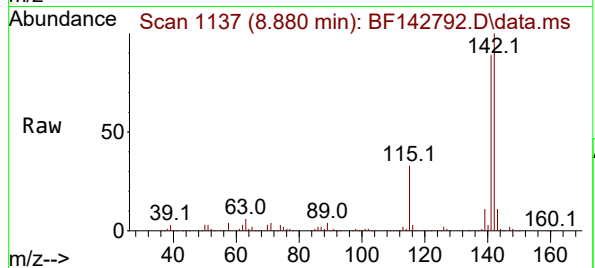




#37
2-Methylnaphthalene
Concen: 37.313 ng
RT: 8.880 min Scan# 1137
Delta R.T. 0.000 min
Lab File: BF142792.D
Acq: 19 Jun 2025 19:09

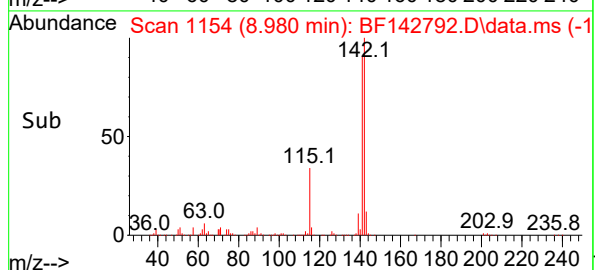
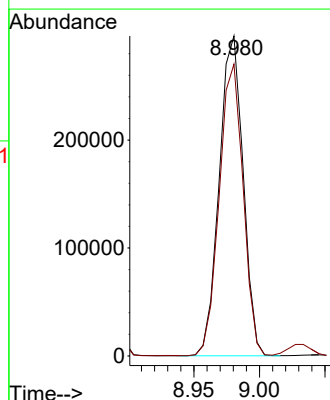
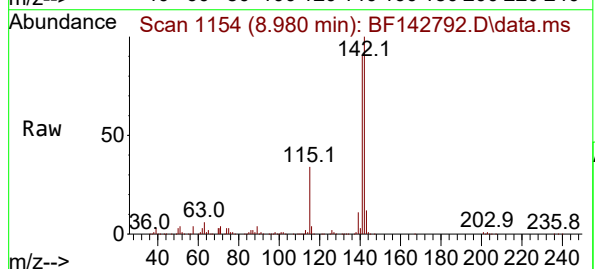
Instrument :
BNA_F
ClientSampleId :
SSTDICC040

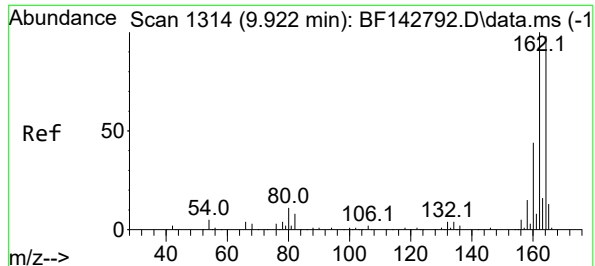
Tgt Ion:142 Resp: 362692
Ion Ratio Lower Upper
142 100
141 88.6 70.9 106.3



#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# 1165

Delta R.T. 0.000 min

Lab File: BF142792.D

Acq: 19 Jun 2025 19:09

Instrument :

BNA_F

ClientSampleId :

SSTDICC040

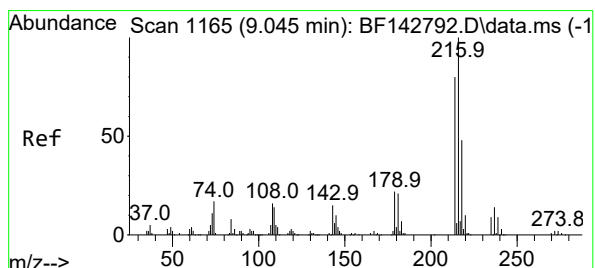
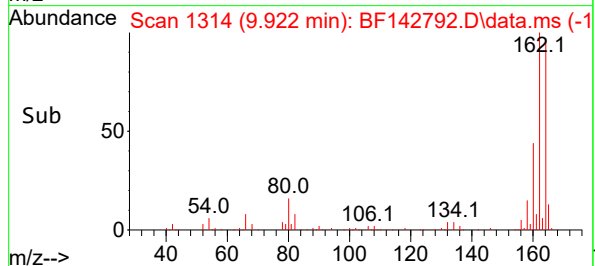
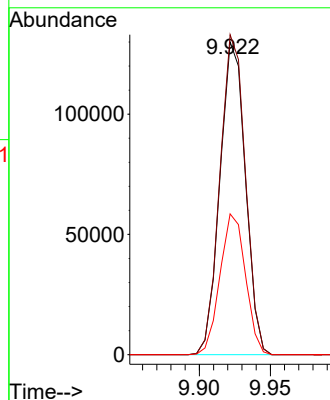
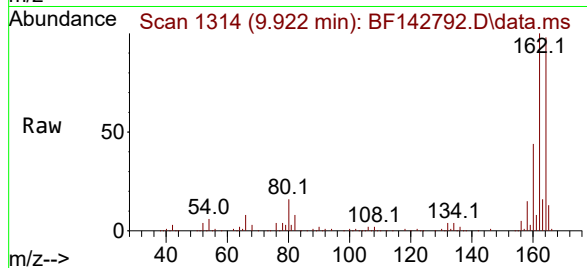
Tgt Ion:164 Resp: 161991

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

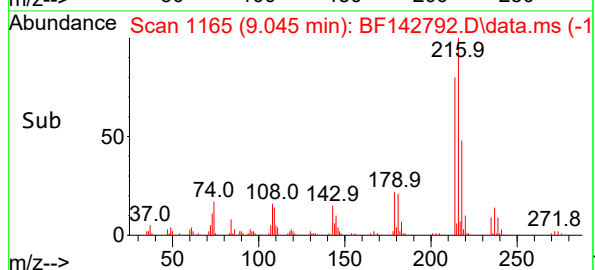
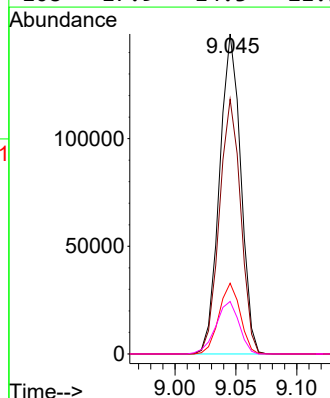
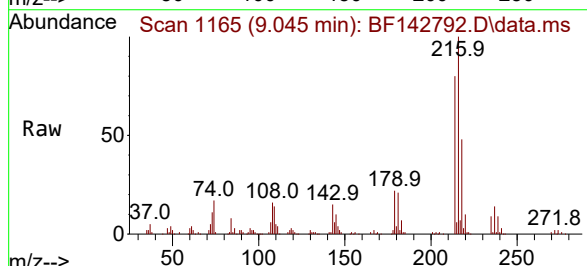
Ion Ratio Lower Upper

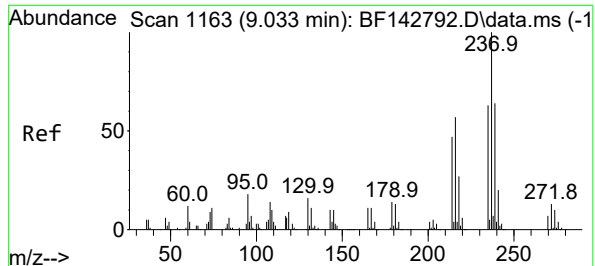
216 100

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 :

SSTDICC040

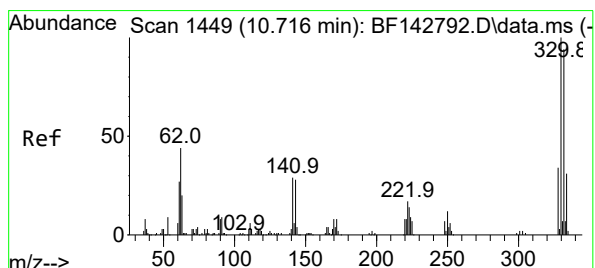
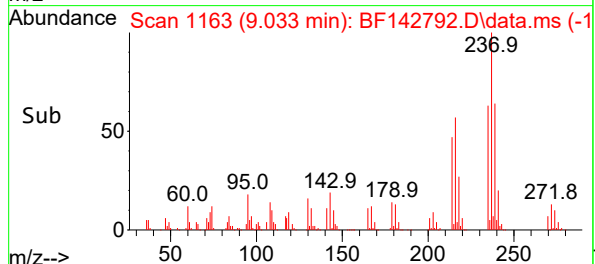
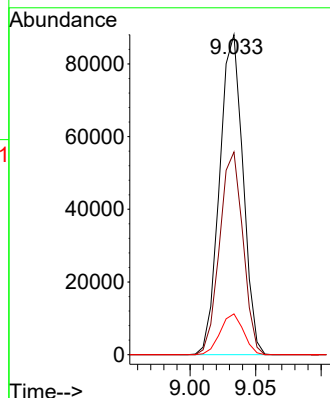
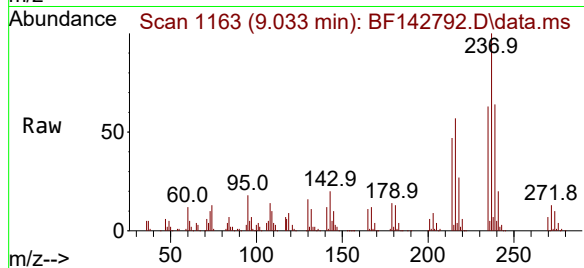
Tgt Ion:237 Resp: 108999

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

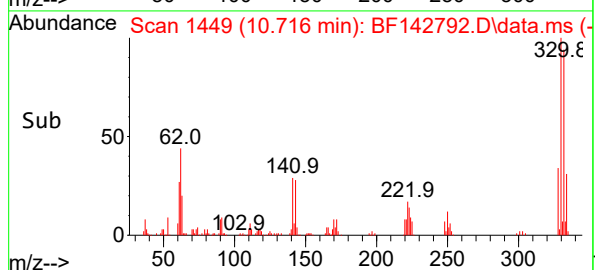
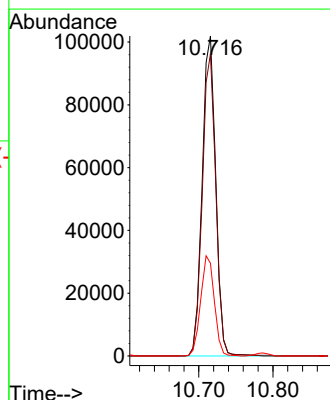
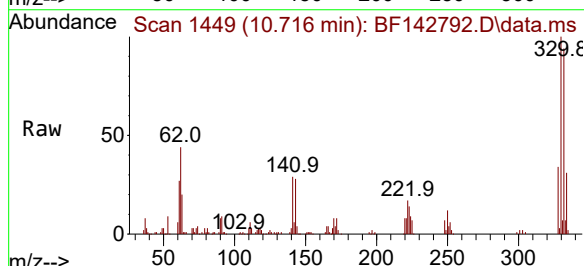
Tgt Ion:330 Resp: 129669

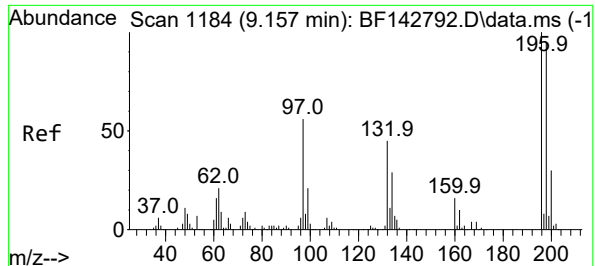
Ion Ratio Lower Upper

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

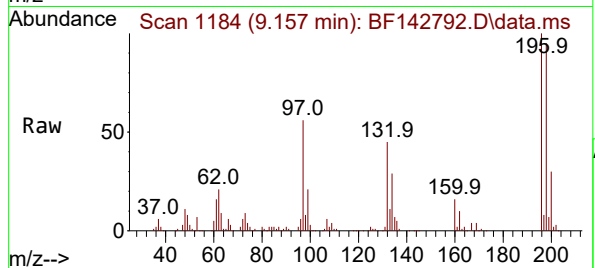
Acq: 19 Jun 2025 19:09

Instrument :

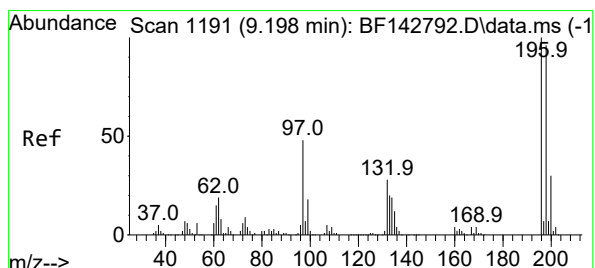
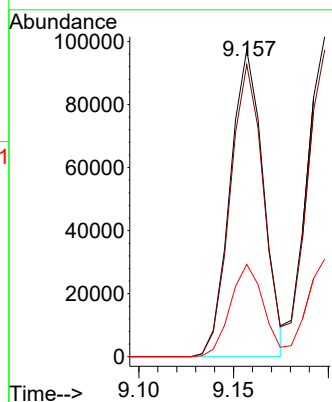
BNA_F

ClientSampleId :

SSTDICC040



Tgt Ion:	196	Resp:	118412
Ion Ratio	100		
Lower			
Upper			
196	100		
198	95.2	76.2	114.2
200	30.1	24.1	36.1



#44

2,4,5-Trichlorophenol

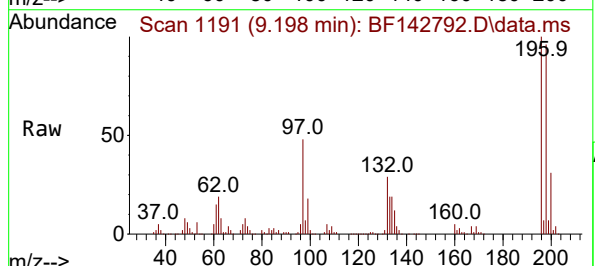
Concen: 38.774 ng

RT: 9.198 min Scan# 1191

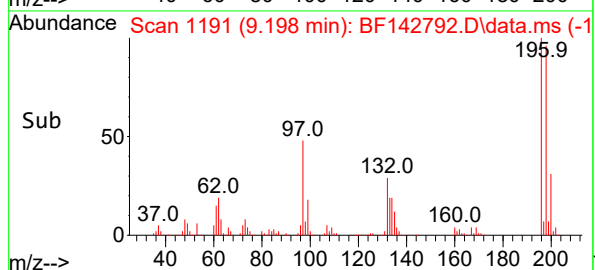
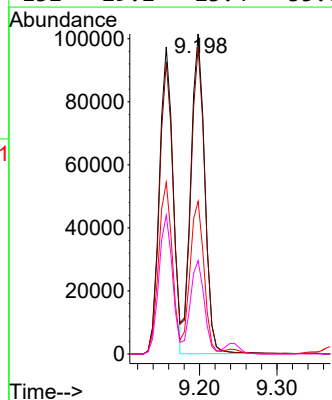
Delta R.T. 0.000 min

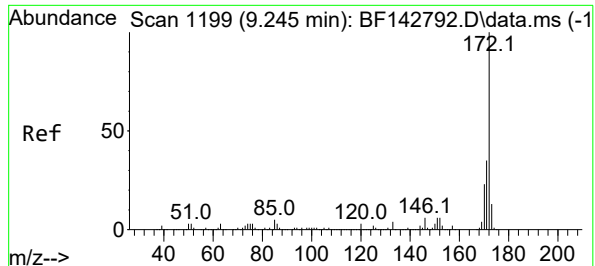
Lab File: BF142792.D

Acq: 19 Jun 2025 19:09



Tgt Ion:	196	Resp:	126712
Ion Ratio	100		
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 :

SSTDICC040

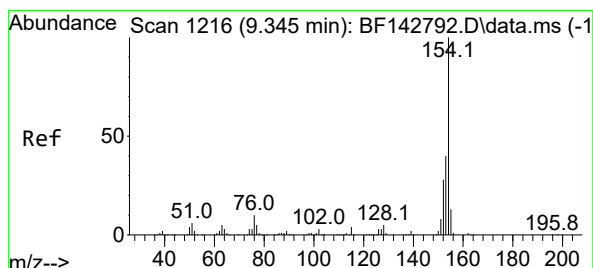
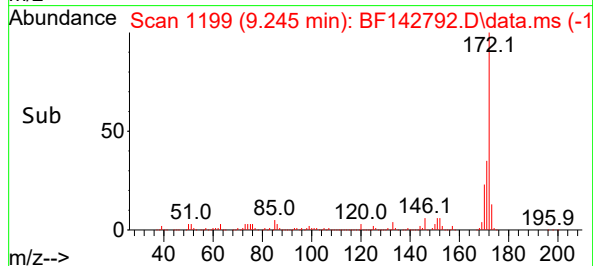
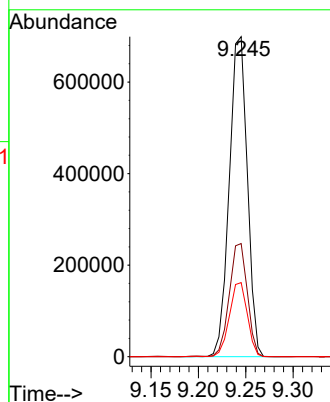
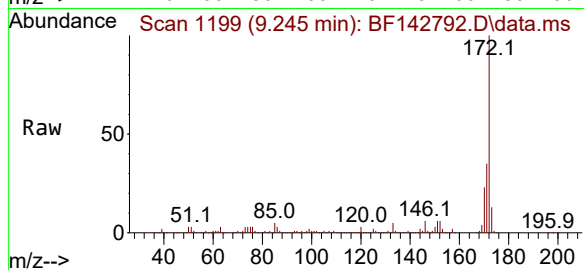
Tgt Ion:172 Resp: 926905

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

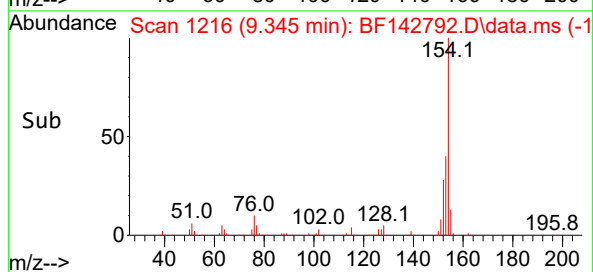
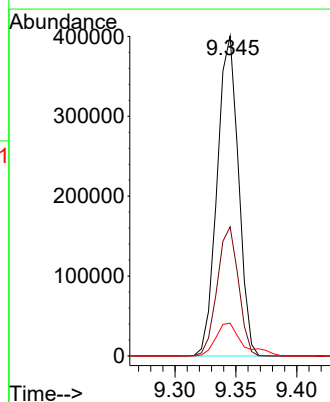
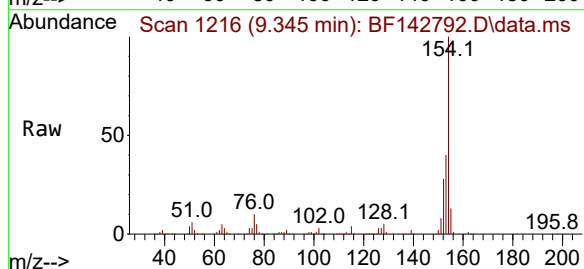
Tgt Ion:154 Resp: 487587

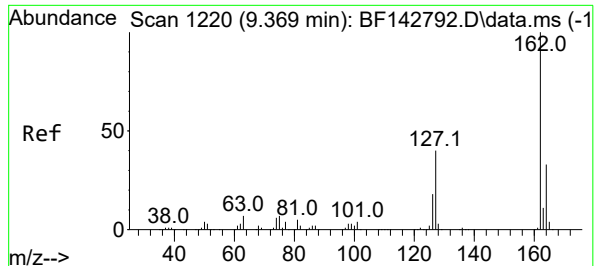
Ion Ratio Lower Upper

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 :

SSTDICC040

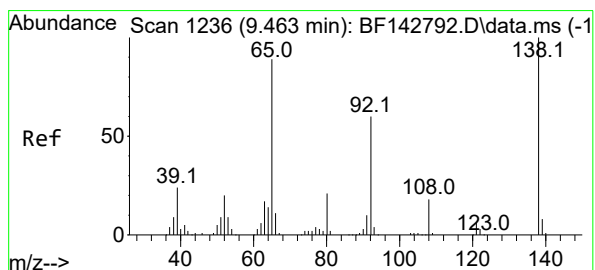
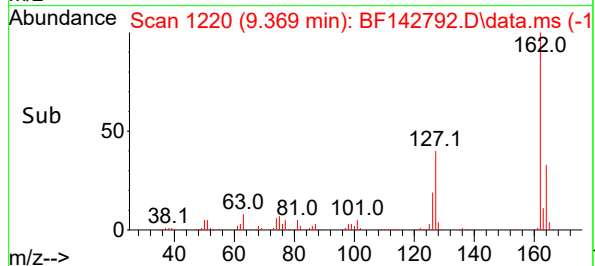
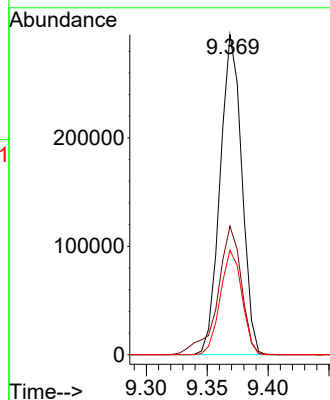
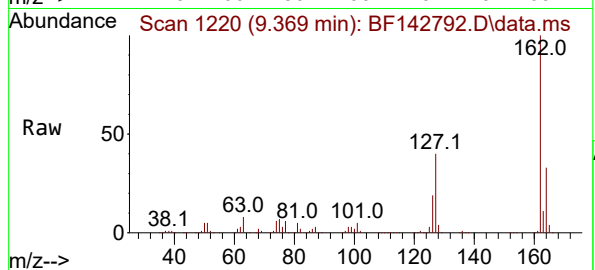
Tgt Ion:162 Resp: 365760

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

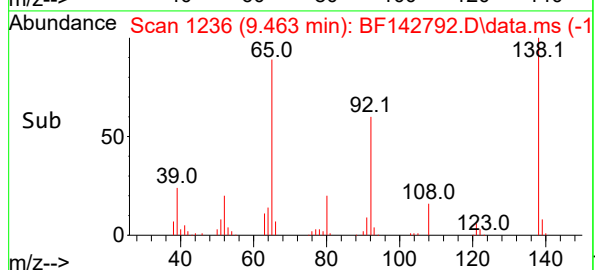
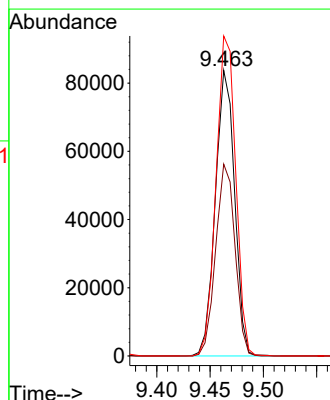
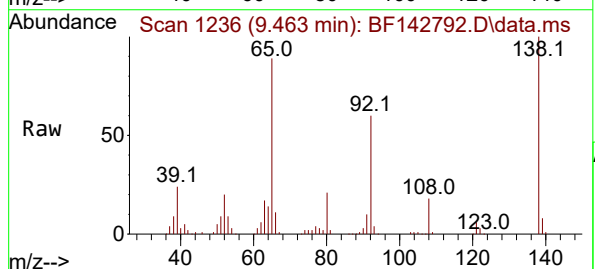
Tgt Ion: 65 Resp: 105098

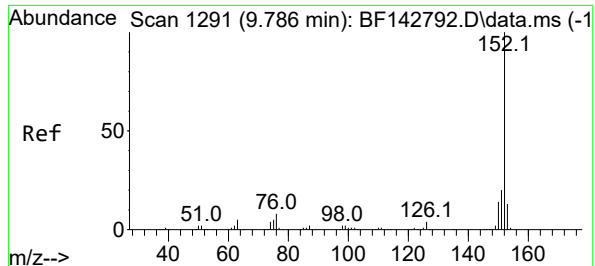
Ion Ratio Lower Upper

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 :

SSTDICC040

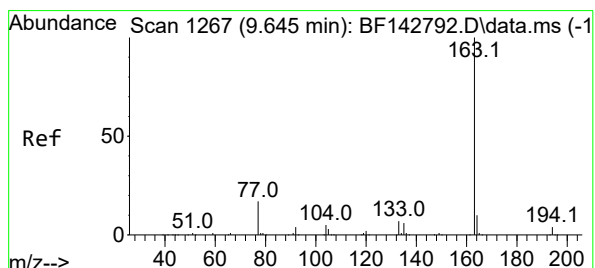
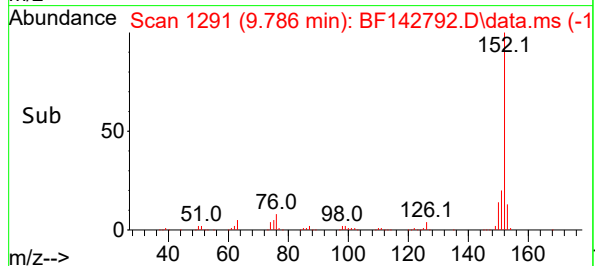
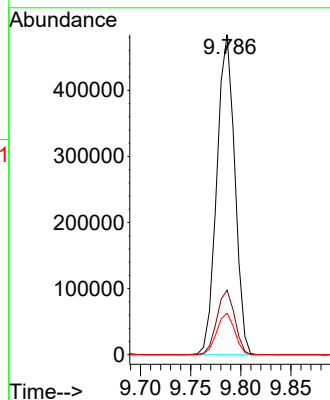
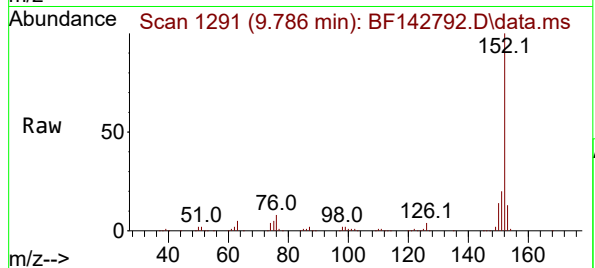
Tgt Ion:152 Resp: 603057

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

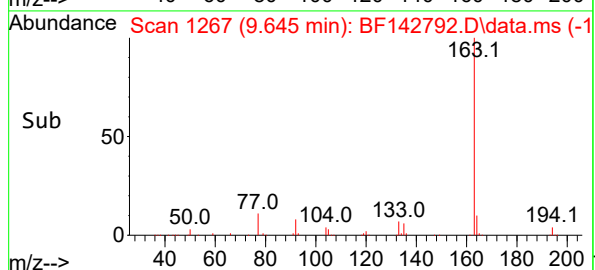
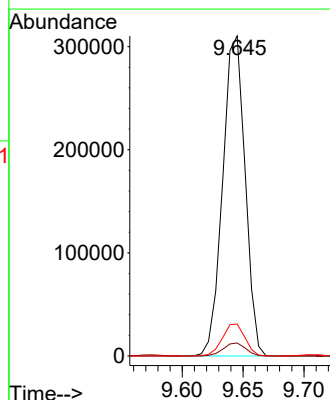
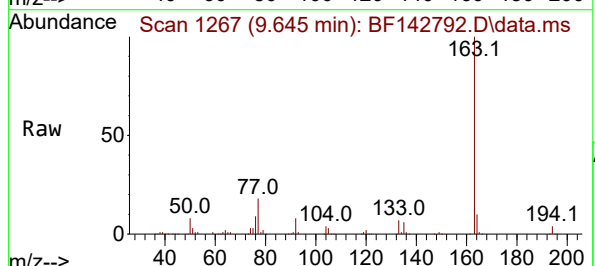
Tgt Ion:163 Resp: 397980

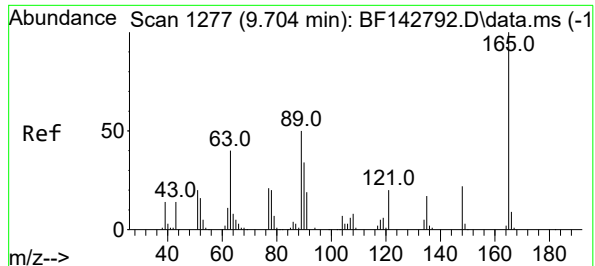
Ion Ratio Lower Upper

163 100

194 4.1 3.3 4.9

164 10.0 8.0 12.0

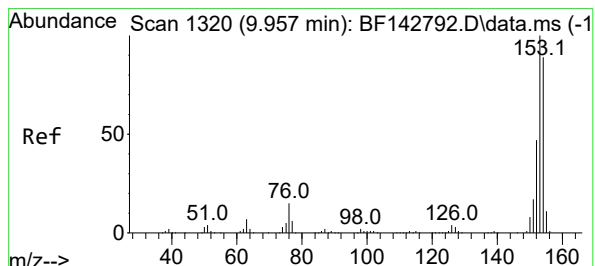
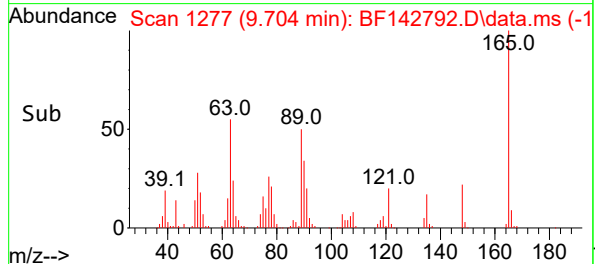
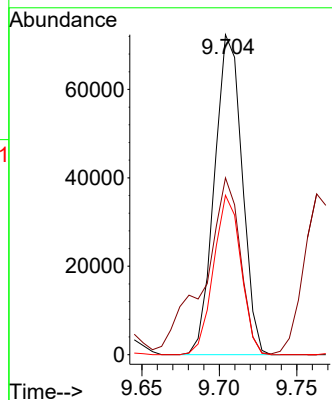
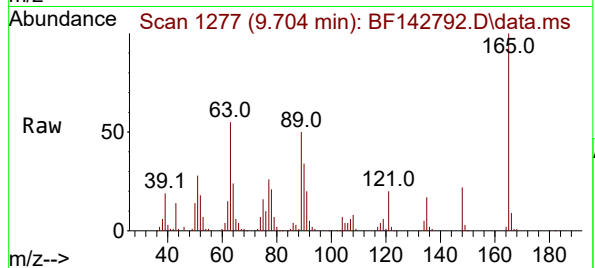




#51
2,6-Dinitrotoluene
Concen: 38.557 ng
RT: 9.704 min Scan# 1277
Delta R.T. 0.000 min
Lab File: BF142792.D
Acq: 19 Jun 2025 19:09

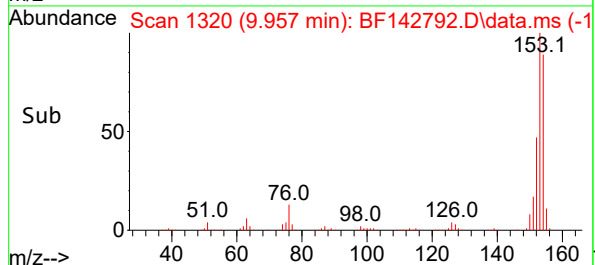
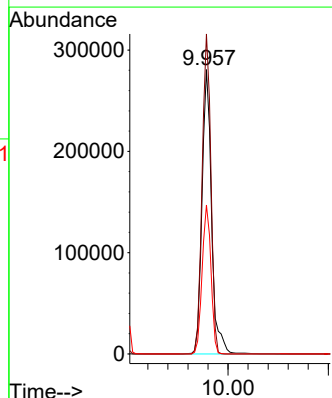
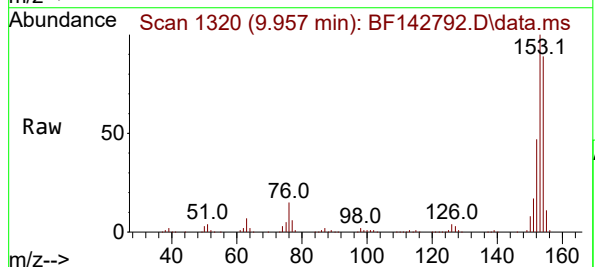
Instrument :
BNA_F
ClientSampleId :
SSTDICC040

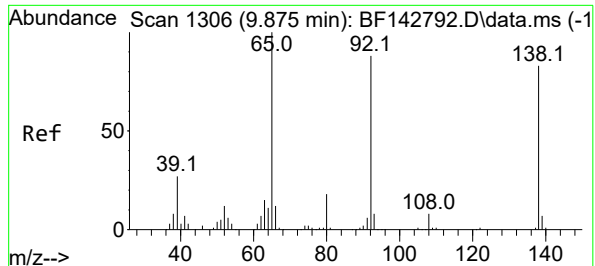
Tgt Ion	165	Resp	89811	
Ion Ratio	Lower	Upper		
165	100			
63	55.3	44.2	66.4	
89	49.8	39.8	59.8	



#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	

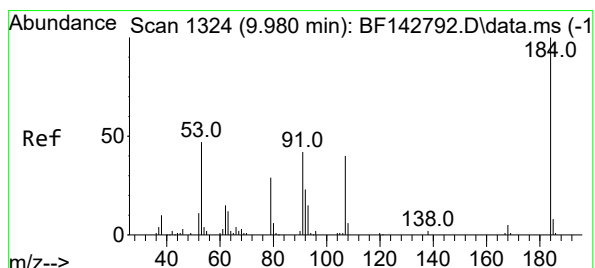
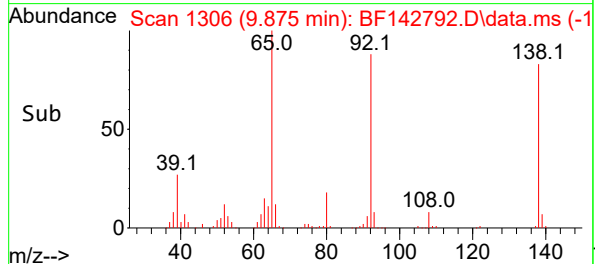
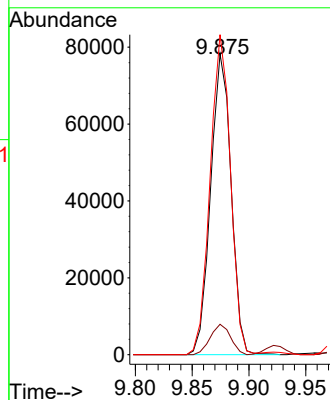
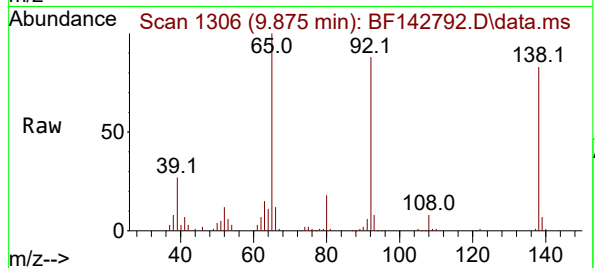




#53
3-Nitroaniline
Concen: 38.714 ng
RT: 9.875 min Scan# 1306
Delta R.T. 0.000 min
Lab File: BF142792.D
Acq: 19 Jun 2025 19:09

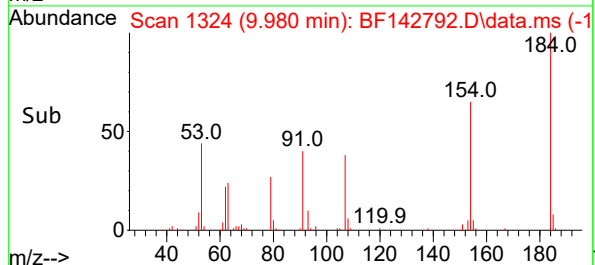
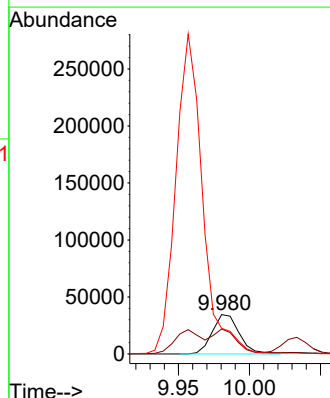
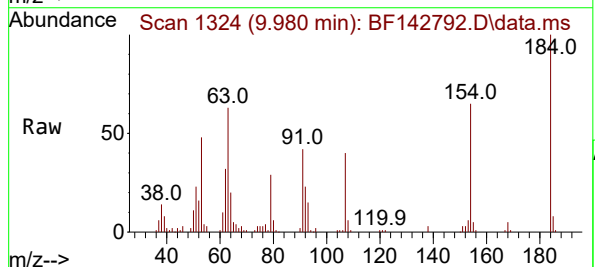
Instrument :
BNA_F
ClientSampleId :
SSTDICC040

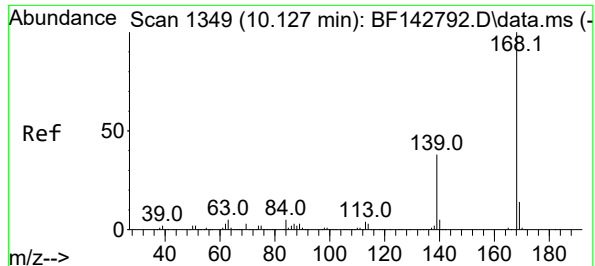
Tgt Ion	Ratio	Lower	Upper
138	100		
108	10.1	8.1	12.1
92	106.4	85.1	127.7



#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

Dibenzenofuran

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 :

SSTDICC040

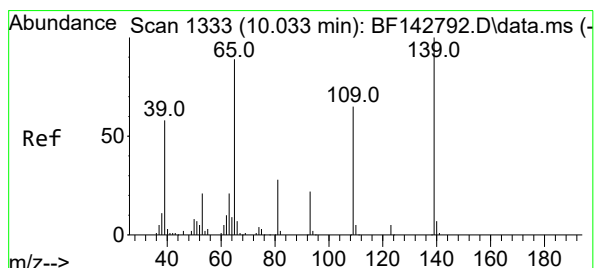
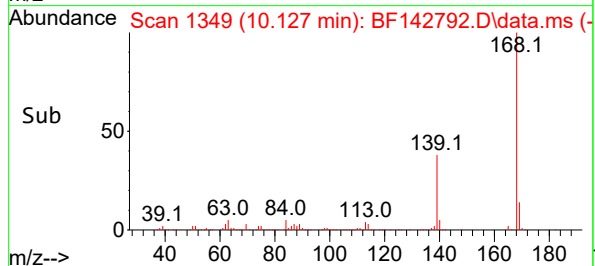
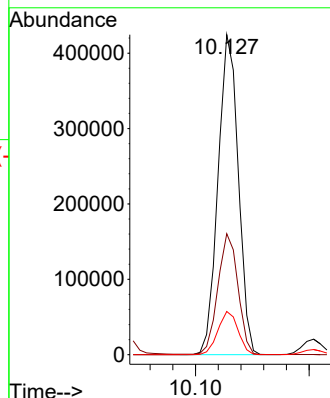
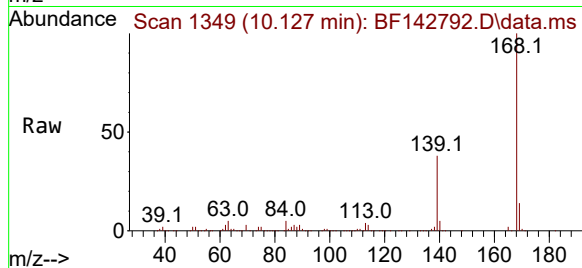
Tgt Ion:168 Resp: 526718

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

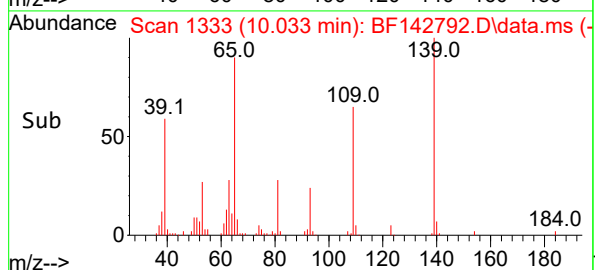
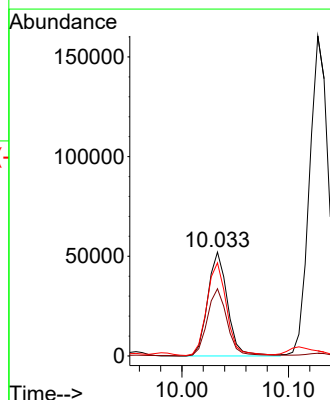
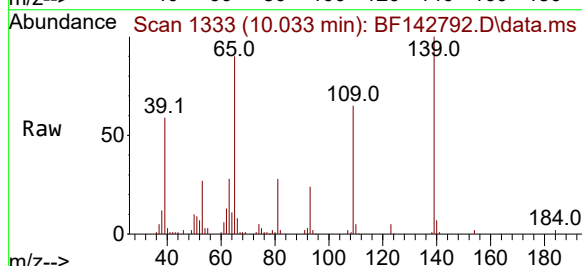
Tgt Ion:139 Resp: 67375

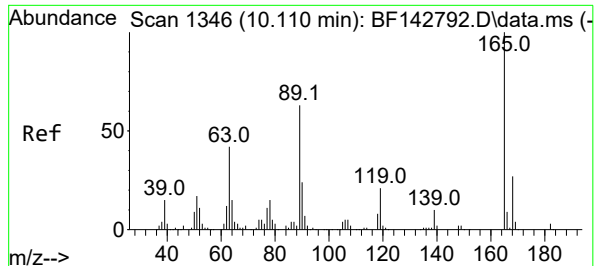
Ion Ratio Lower Upper

139 100

109 64.7 44.7 84.7

65 89.8 69.8 109.8

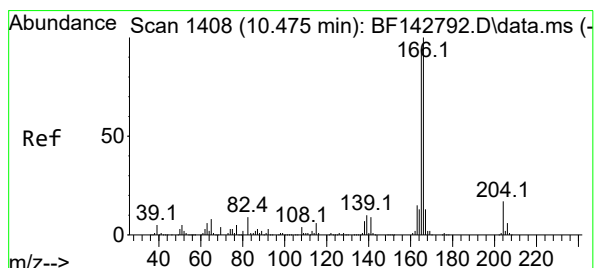
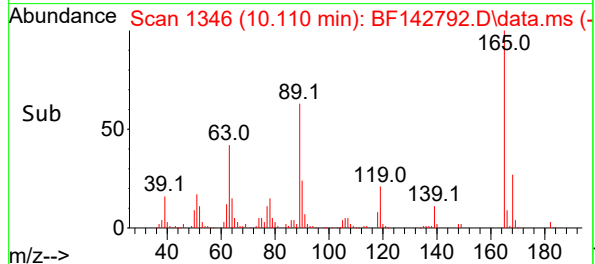
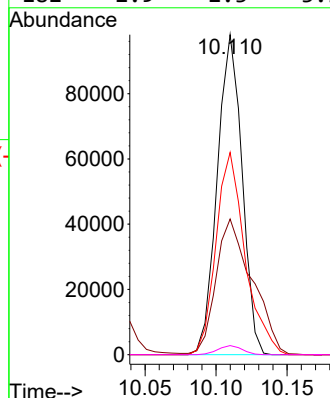
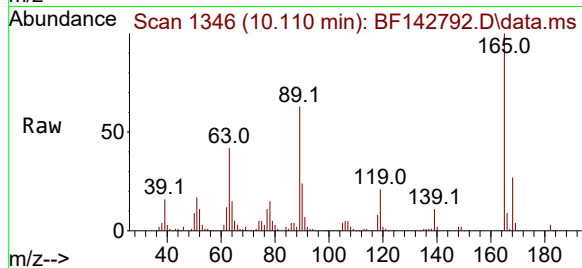




#57
2,4-Dinitrotoluene
Concen: 38.644 ng
RT: 10.110 min Scan# 11
Delta R.T. 0.000 min
Lab File: BF142792.D
Acq: 19 Jun 2025 19:09

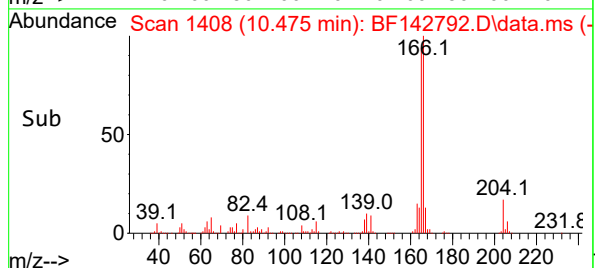
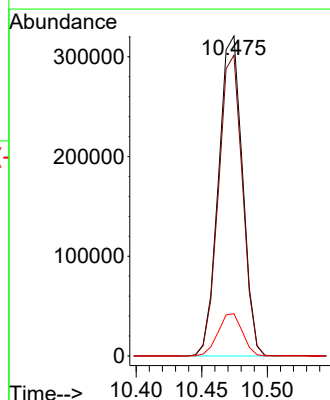
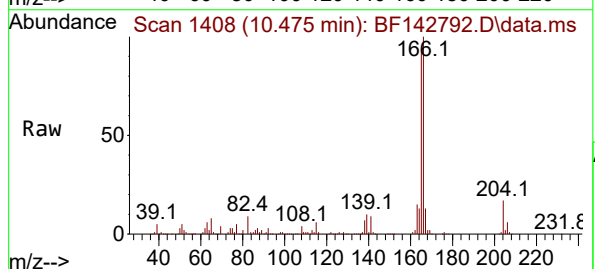
Instrument :
BNA_F
ClientSampleId :
SSTDICC040

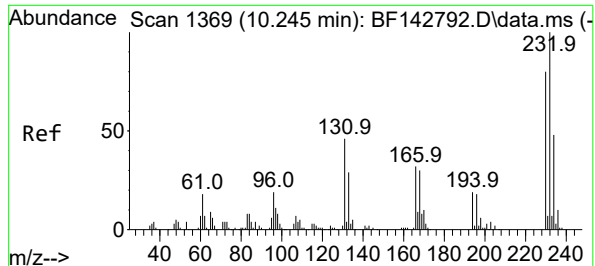
Tgt Ion:165 Resp: 119021
Ion Ratio Lower Upper
165 100
63 42.4 33.9 50.9
89 63.2 50.6 75.8
182 2.9 2.3 3.5



#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

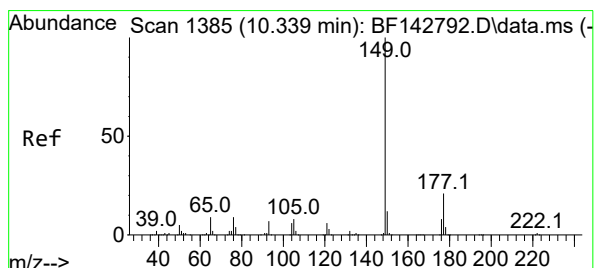
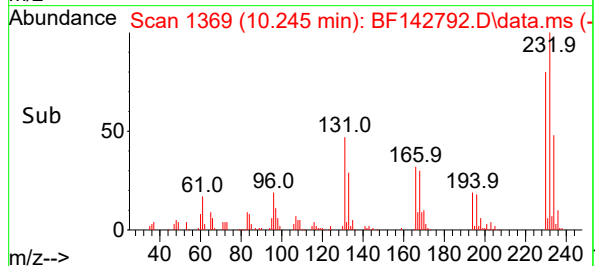
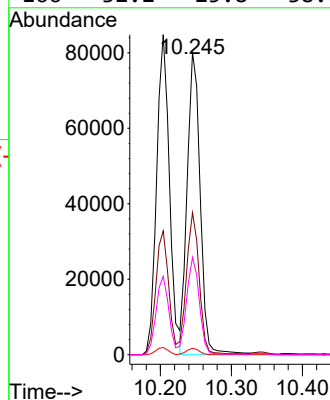
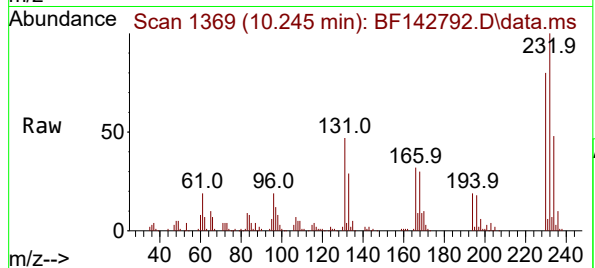




#59
2,3,4,6-Tetrachlorophenol
Concen: 36.847 ng
RT: 10.245 min Scan# 1369
Delta R.T. 0.000 min
Lab File: BF142792.D
Acq: 19 Jun 2025 19:09

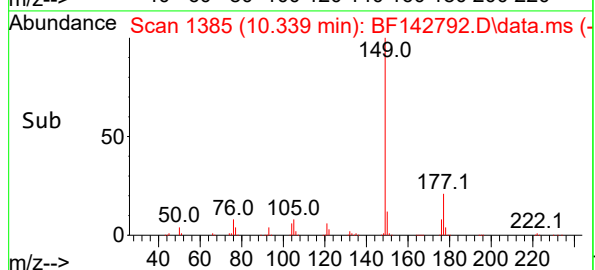
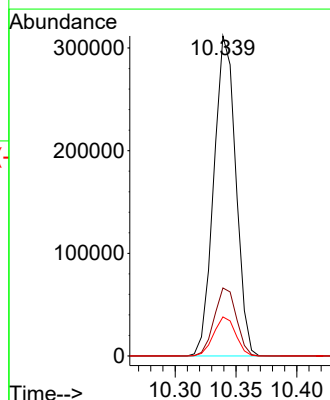
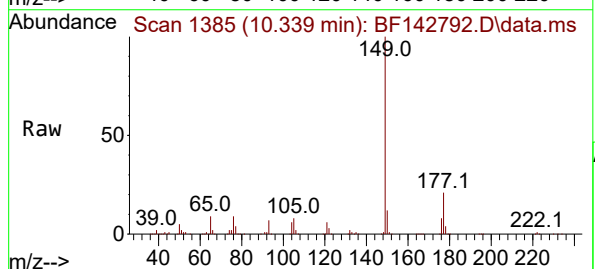
Instrument :
BNA_F
ClientSampleId :
SSTDICC040

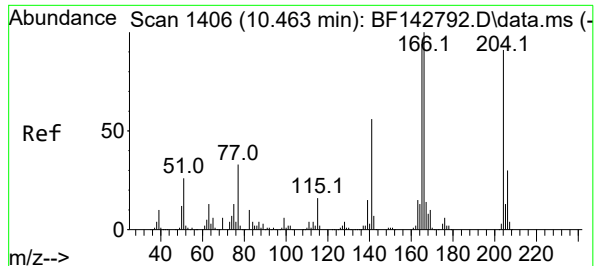
Tgt Ion:232 Resp: 100957
Ion Ratio Lower Upper
232 100
131 47.0 37.6 56.4
130 2.1 1.7 2.5
166 32.2 25.8 38.6



#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

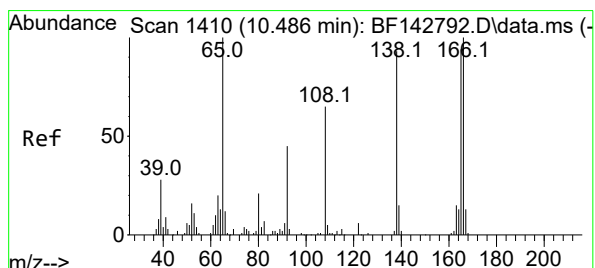
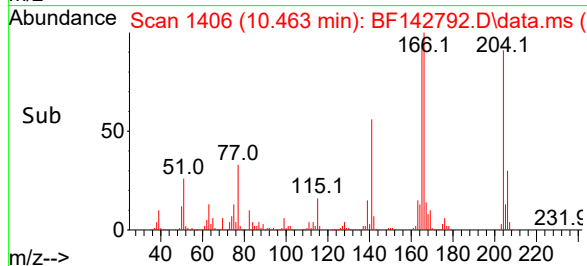
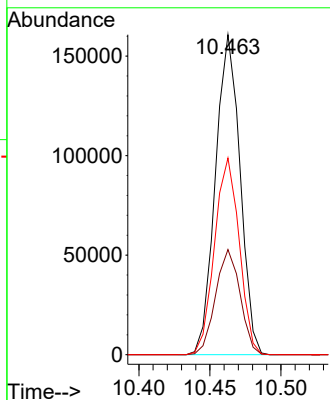
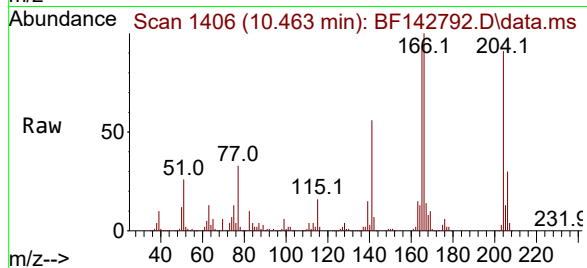




#61
4-Chlorophenyl-phenylether
Concen: 36.726 ng
RT: 10.463 min Scan# 1406
Delta R.T. 0.000 min
Lab File: BF142792.D
Acq: 19 Jun 2025 19:09

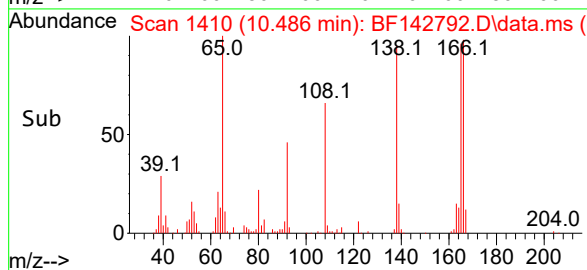
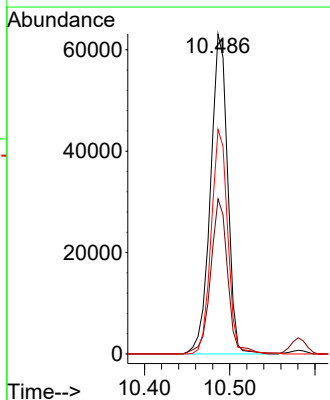
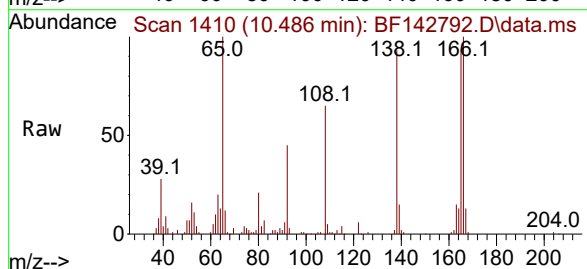
Instrument :
BNA_F
ClientSampleId :
SSTDICC040

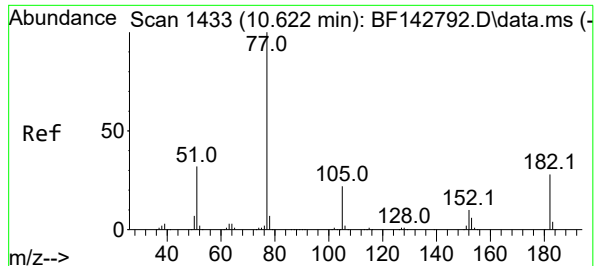
Tgt Ion:204 Resp: 193928
Ion Ratio Lower Upper
204 100
206 32.9 26.3 39.5
141 61.4 49.1 73.7



#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

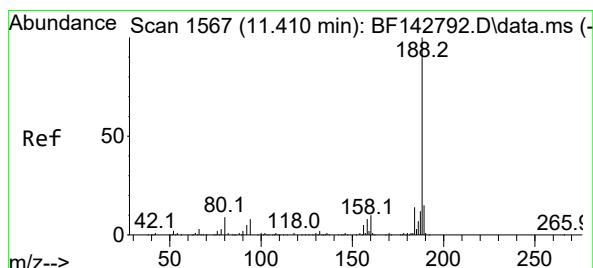
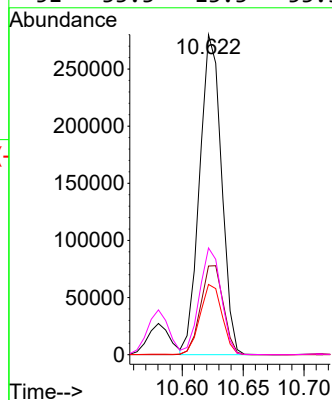
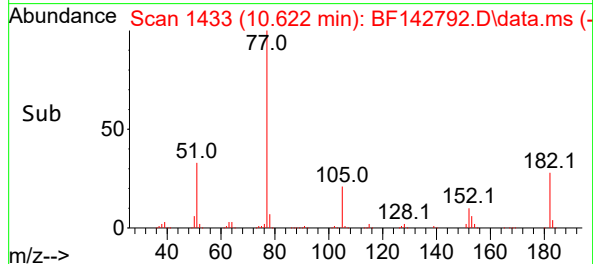
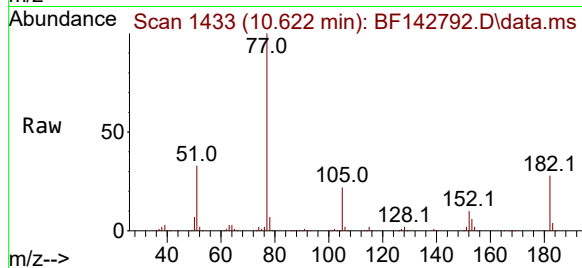




#63
Azobenzene
Concen: 37.534 ng
RT: 10.622 min Scan# 1433
Delta R.T. 0.000 min
Lab File: BF142792.D
Acq: 19 Jun 2025 19:09

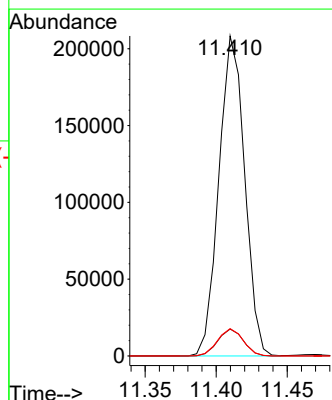
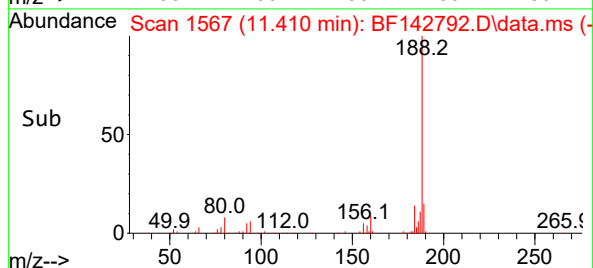
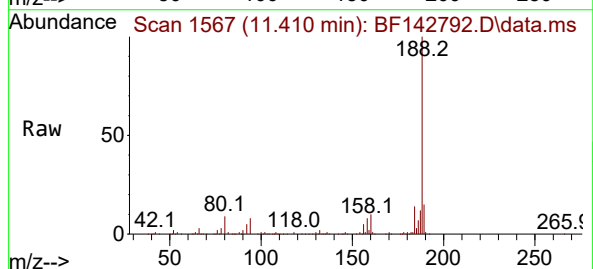
Instrument :
BNA_F
ClientSampleId :
SSTDICC040

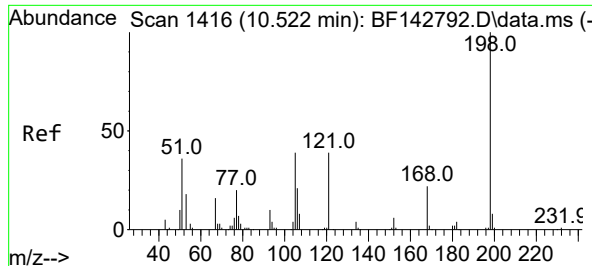
Tgt Ion	Ratio	Lower	Upper
77	100		
182	27.7	7.7	47.7
105	21.9	1.9	41.9
51	33.3	13.3	53.3



#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

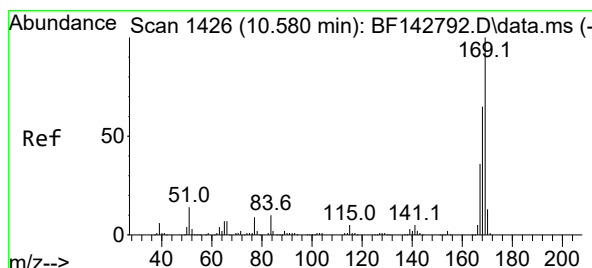
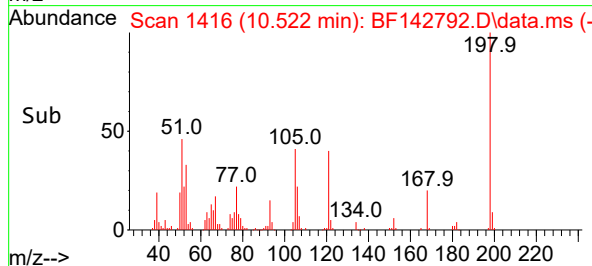
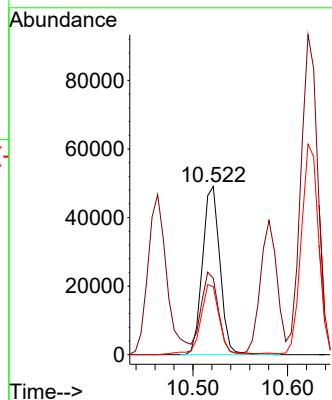
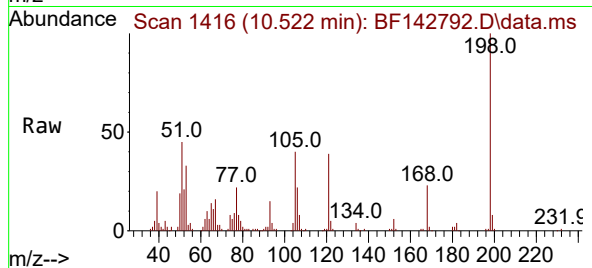




#65
4,6-Dinitro-2-methylphenol
Concen: 38.375 ng
RT: 10.522 min Scan# 1416
Delta R.T. 0.000 min
Lab File: BF142792.D
Acq: 19 Jun 2025 19:09

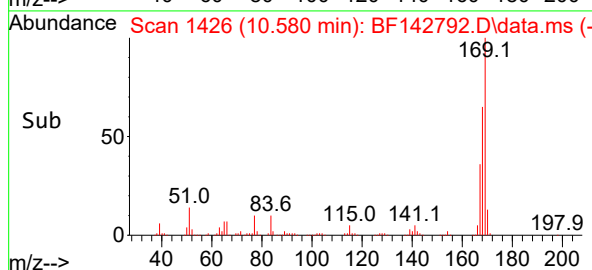
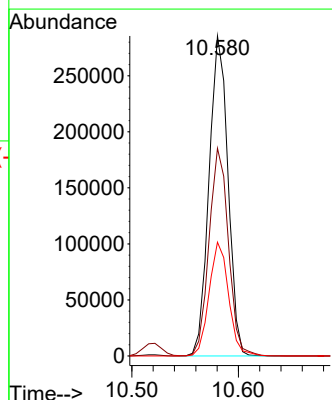
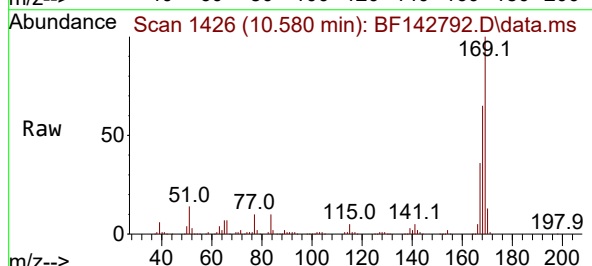
Instrument :
BNA_F
ClientSampleId :
SSTDICC040

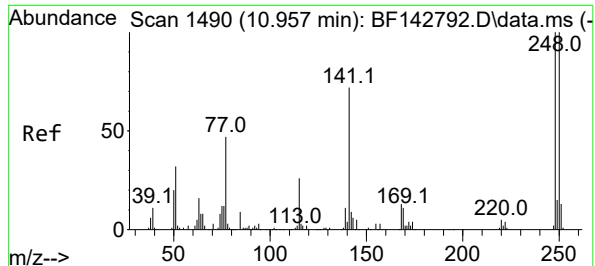
Tgt Ion:198	Resp:	62800
Ion Ratio	Lower	Upper
198	100	
51	45.4	25.4 65.4
105	40.4	20.4 60.4



#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:169	Resp:	353033
Ion Ratio	Lower	Upper
169	100	
168	64.9	51.9 77.9
167	35.6	28.5 42.7

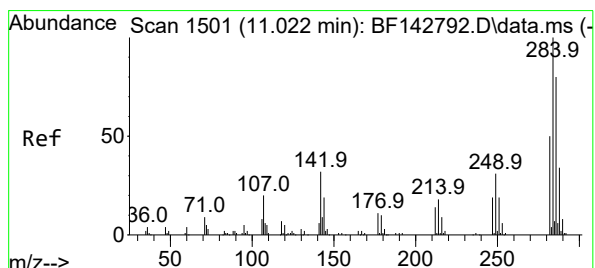
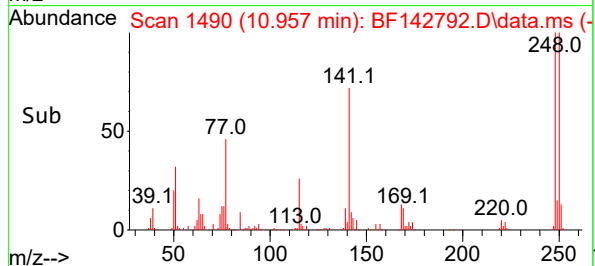
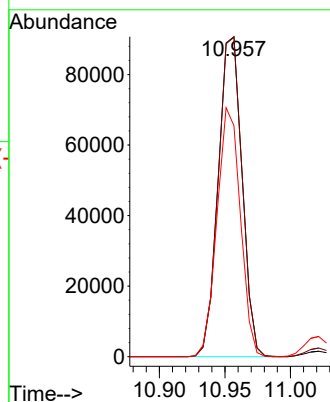
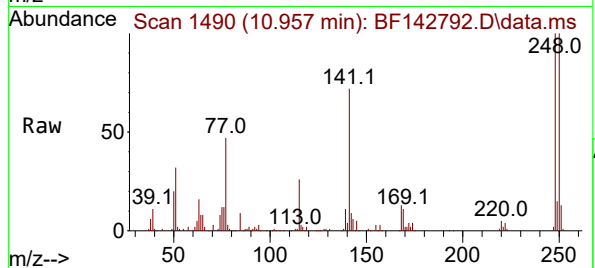




#67
4-Bromophenyl-phenylether
Concen: 37.246 ng
RT: 10.957 min Scan# 1490
Delta R.T. 0.000 min
Lab File: BF142792.D
Acq: 19 Jun 2025 19:09

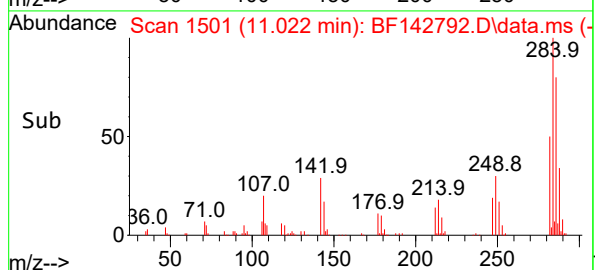
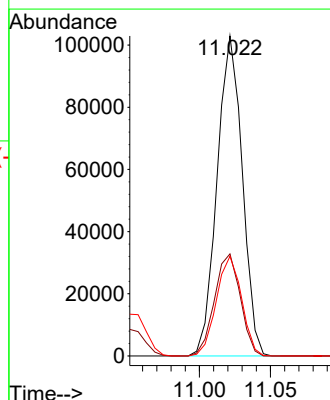
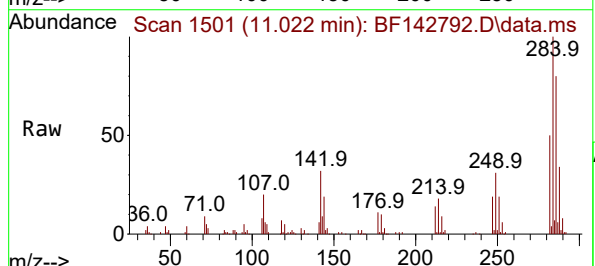
Instrument :
BNA_F
ClientSampleId :
SSTDICC040

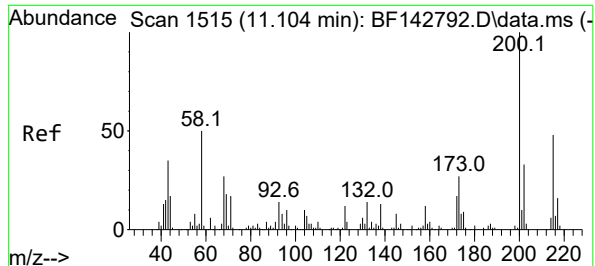
Tgt Ion:248 Resp: 114874
Ion Ratio Lower Upper
248 100
250 99.8 79.8 119.8
141 72.2 57.8 86.6



#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 :

SSTDICC040

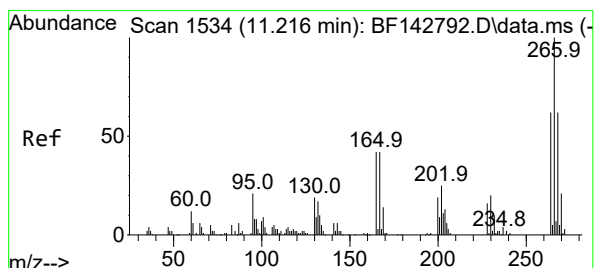
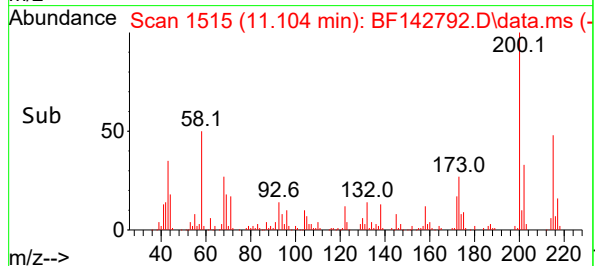
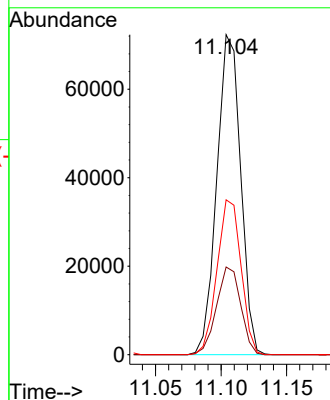
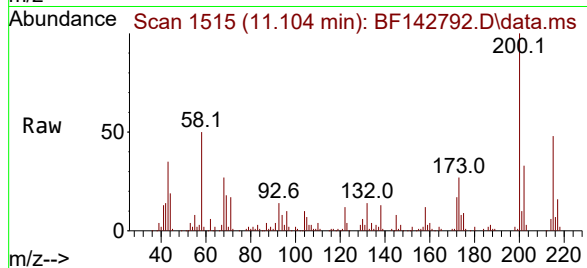
Tgt Ion:200 Resp: 91444

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

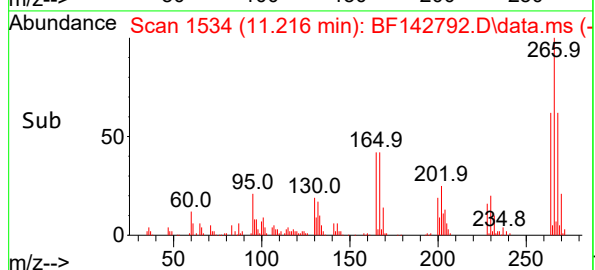
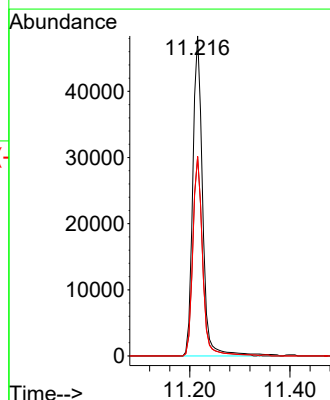
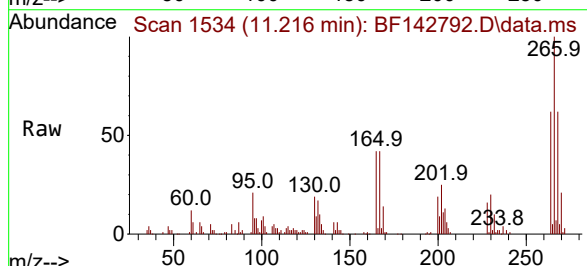
Tgt Ion:266 Resp: 65999

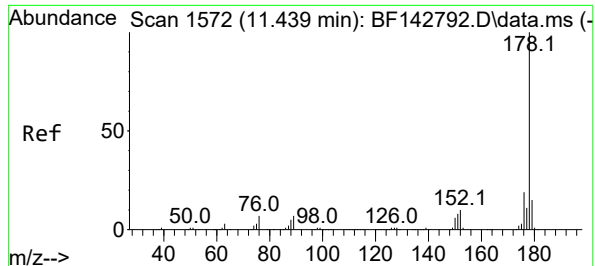
Ion Ratio Lower Upper

266 100

268 62.3 49.8 74.8

264 62.4 49.9 74.9

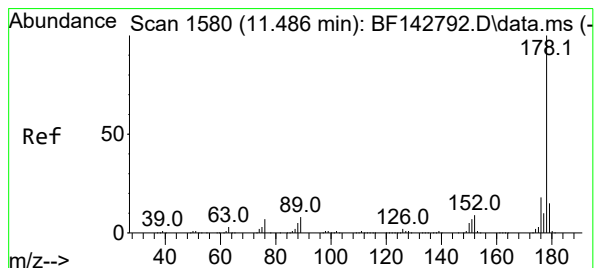
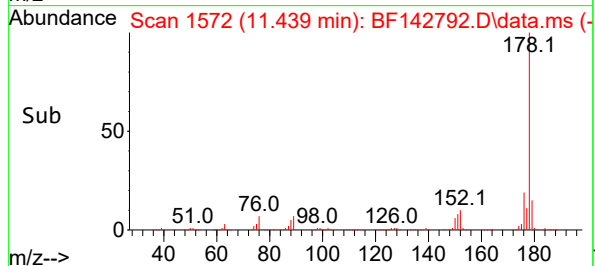
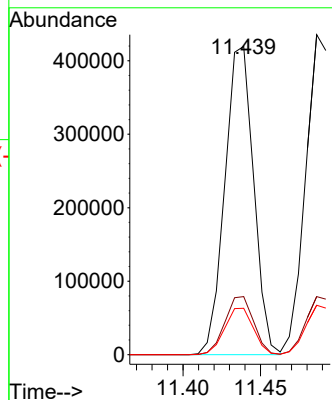
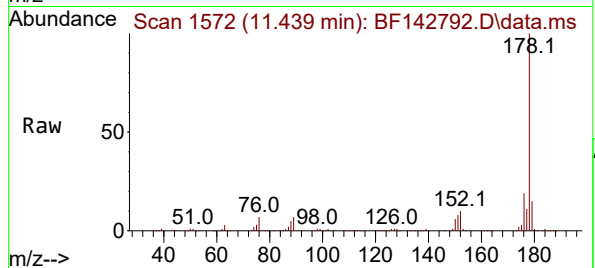




#71
Phenanthrene
Concen: 38.508 ng
RT: 11.439 min Scan# 1572
Delta R.T. 0.000 min
Lab File: BF142792.D
Acq: 19 Jun 2025 19:09

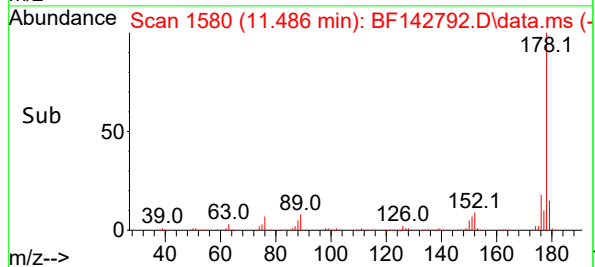
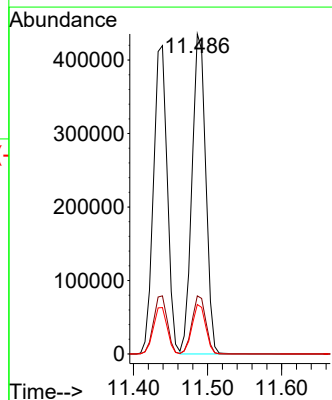
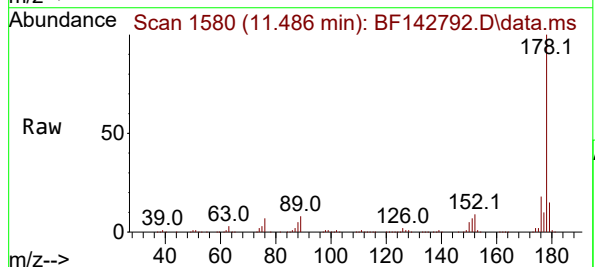
Instrument :
BNA_F
ClientSampleId :
SSTDICC040

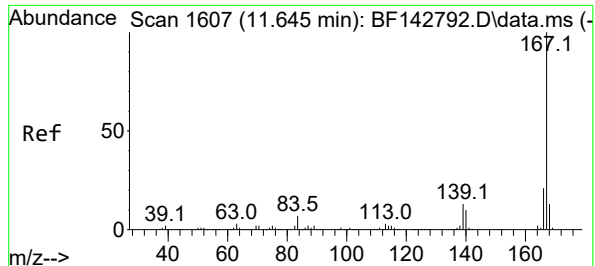
Tgt Ion:178 Resp: 542935
Ion Ratio Lower Upper
178 100
176 18.9 15.1 22.7
179 15.0 12.0 18.0



#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

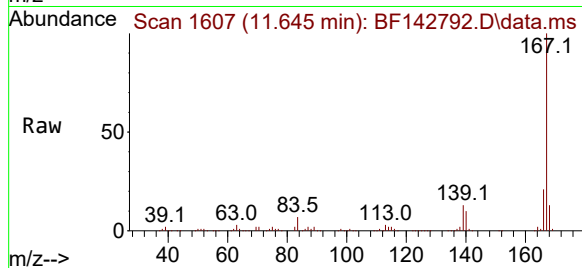
Tgt Ion:178 Resp: 560180
Ion Ratio Lower Upper
178 100
176 18.2 14.6 21.8
179 15.5 12.4 18.6



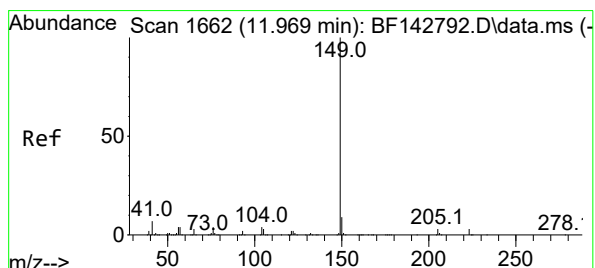
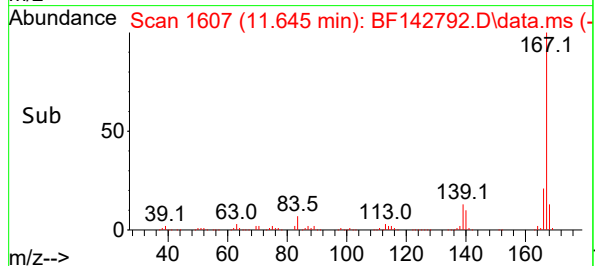
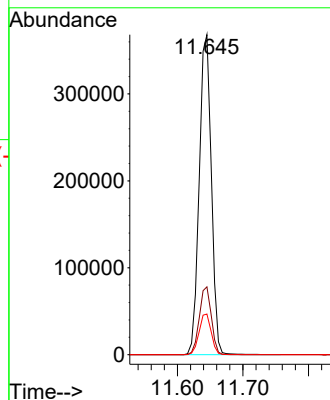


#73
Carbazole
Concen: 38.769 ng
RT: 11.645 min Scan# 1607
Delta R.T. 0.000 min
Lab File: BF142792.D
Acq: 19 Jun 2025 19:09

Instrument :
BNA_F
ClientSampleId :
SSTDICC040

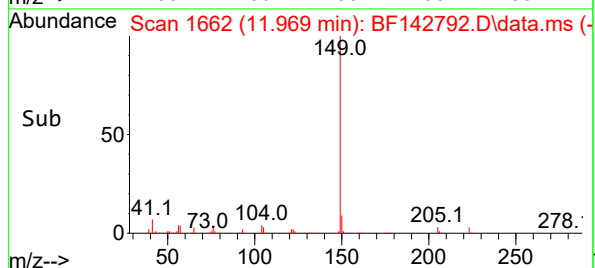
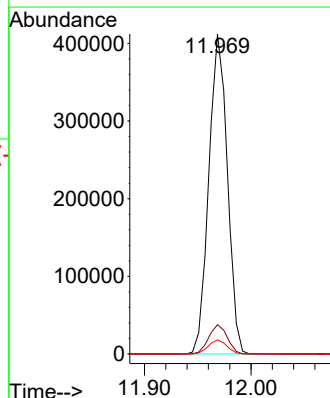
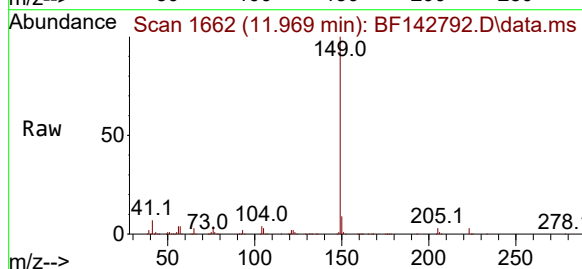


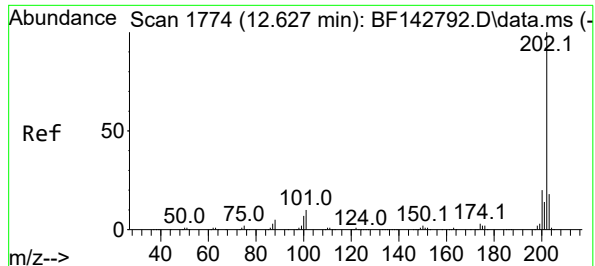
Tgt Ion:167 Resp: 473801
Ion Ratio Lower Upper
167 100
166 21.2 17.0 25.4
139 12.7 10.2 15.2



#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

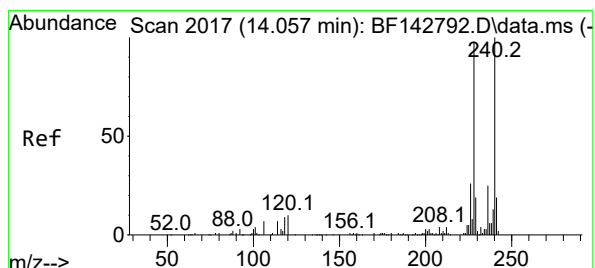
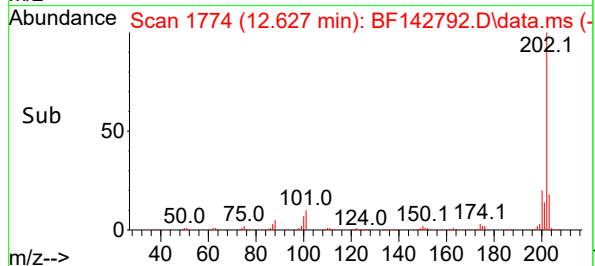
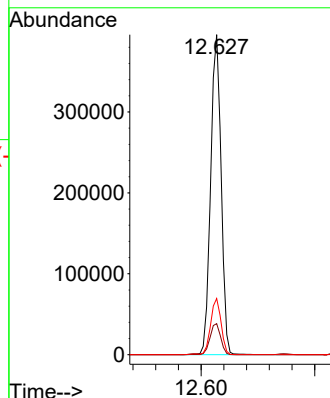
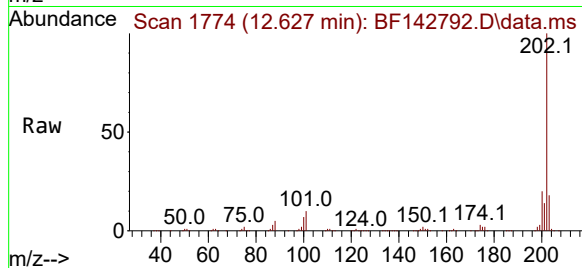




#75
Fluoranthene
Concen: 37.522 ng
RT: 12.627 min Scan# 1774
Delta R.T. 0.000 min
Lab File: BF142792.D
Acq: 19 Jun 2025 19:09

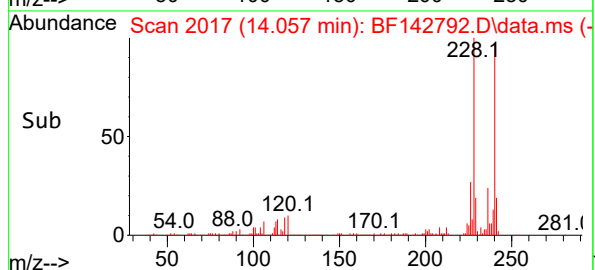
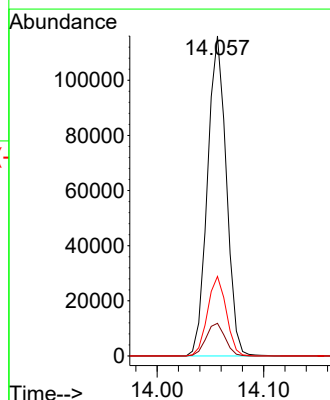
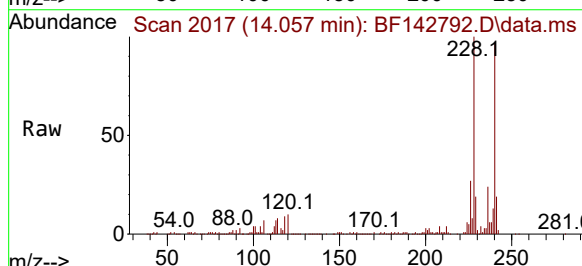
Instrument :
BNA_F
ClientSampleId :
SSTDICC040

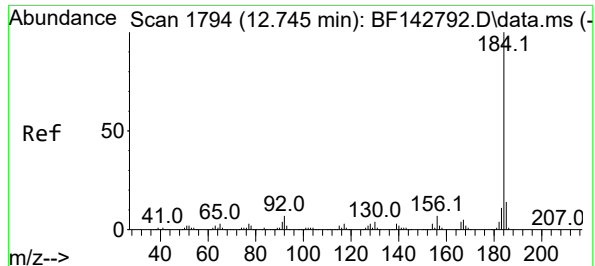
Tgt Ion	Ratio	Lower	Upper
202	100		
101	9.7	0.0	29.7
203	17.5	0.0	37.5



#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

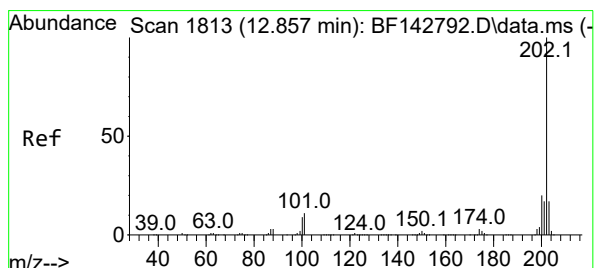
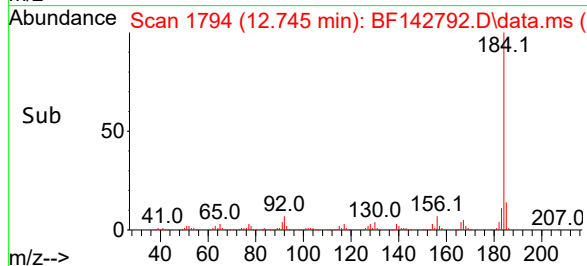
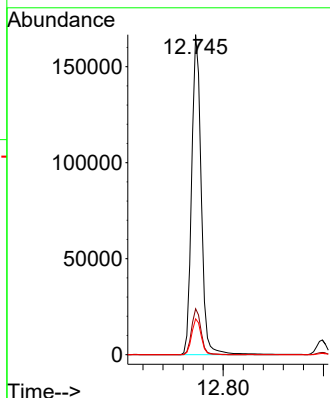
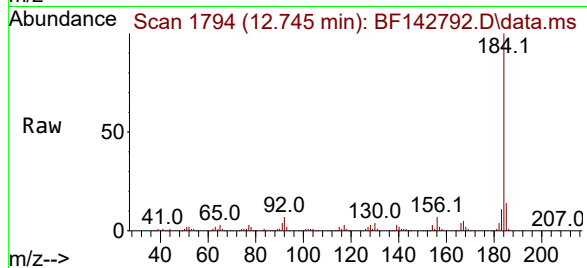




#77
Benzidine
Concen: 43.691 ng
RT: 12.745 min Scan# 1794
Delta R.T. 0.000 min
Lab File: BF142792.D
Acq: 19 Jun 2025 19:09

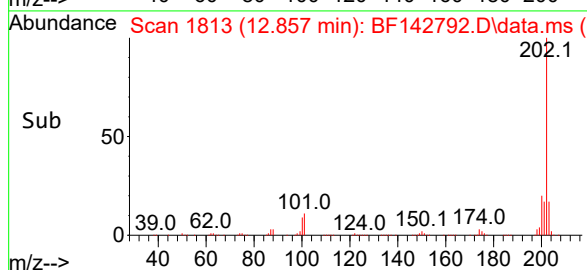
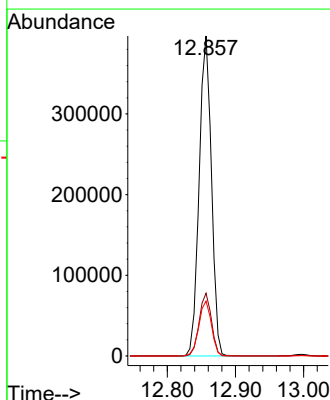
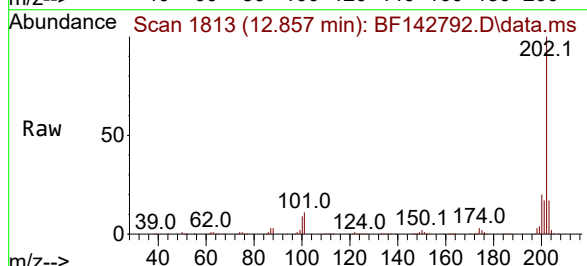
Instrument :
BNA_F
ClientSampleId :
SSTDICC040

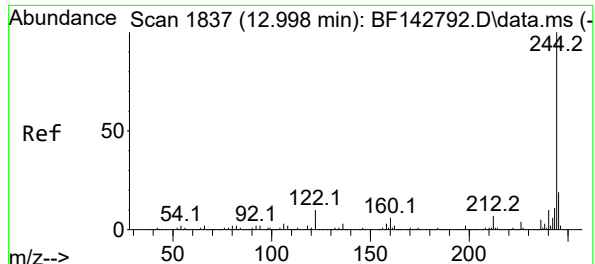
Tgt Ion:184 Resp: 220379
Ion Ratio Lower Upper
184 100
185 14.4 11.5 17.3
183 11.2 9.0 13.4



#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 :

SSTDICC040

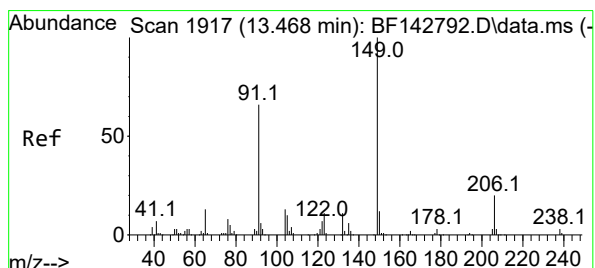
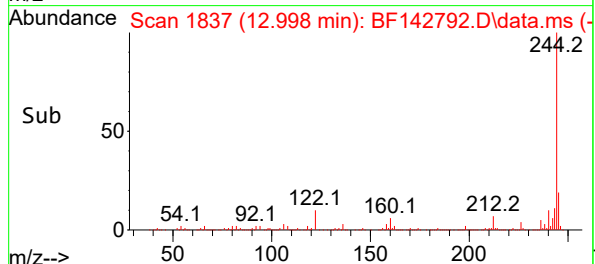
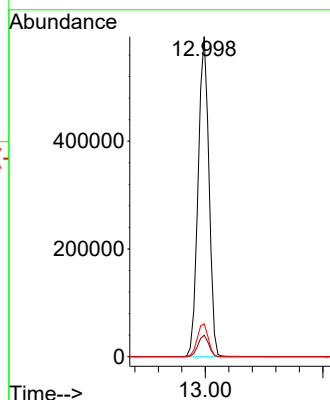
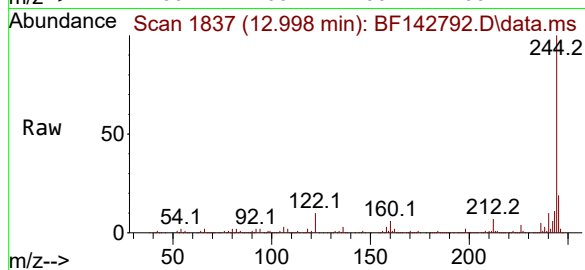
Tgt Ion:244 Resp: 756495

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

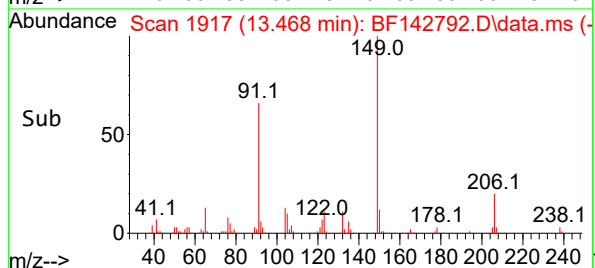
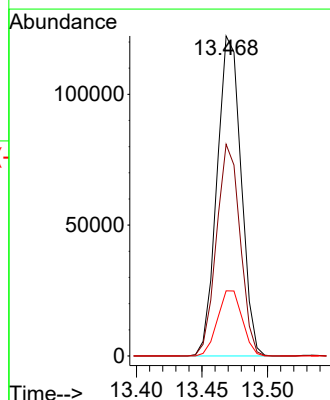
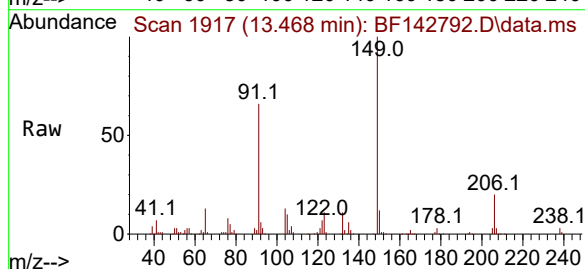
Tgt Ion:149 Resp: 155920

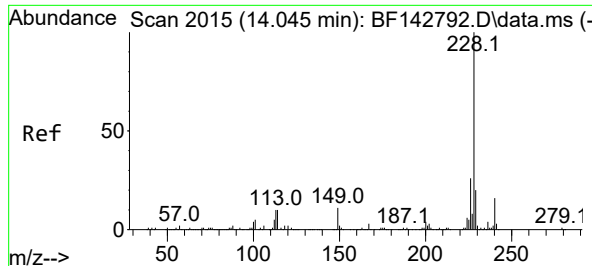
Ion Ratio Lower Upper

149 100

91 66.1 52.9 79.3

206 20.4 16.3 24.5

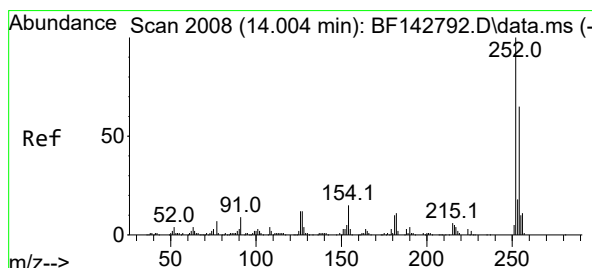
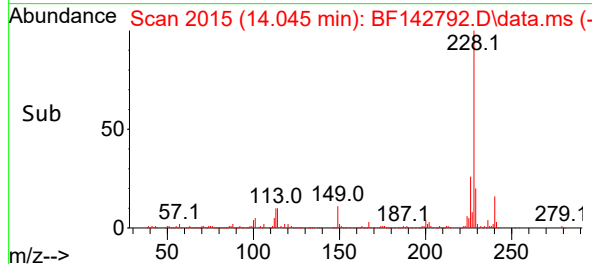
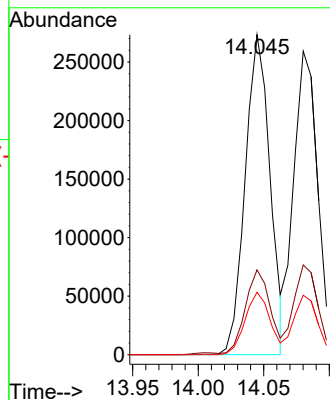
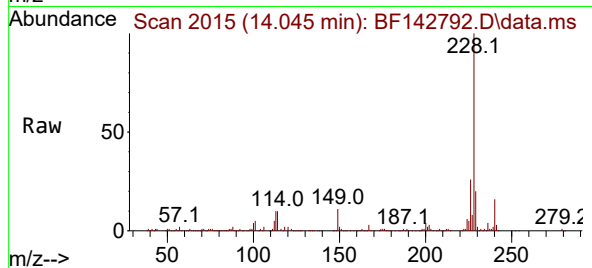




#81
Benzo(a)anthracene
Concen: 38.522 ng
RT: 14.045 min Scan# 2015
Delta R.T. 0.000 min
Lab File: BF142792.D
Acq: 19 Jun 2025 19:09

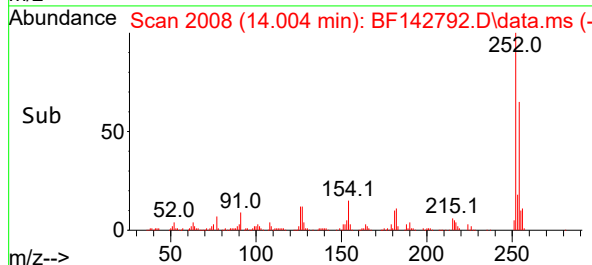
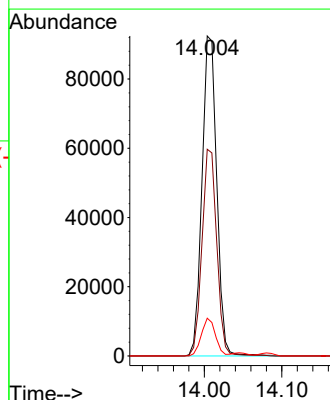
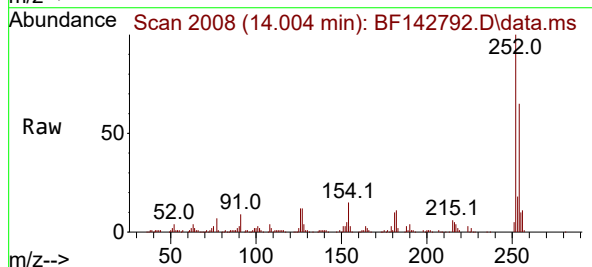
Instrument :
BNA_F
ClientSampleId :
SSTDICC040

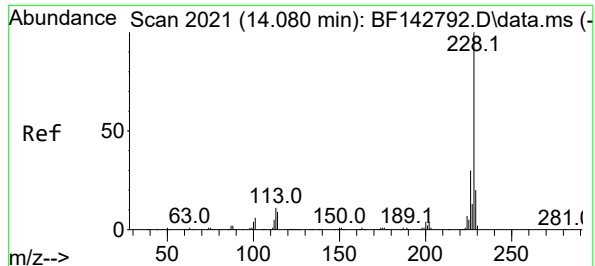
Tgt Ion:228 Resp: 360377
Ion Ratio Lower Upper
228 100
226 26.5 21.2 31.8
229 19.5 15.6 23.4



#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 :

SSTDICC040

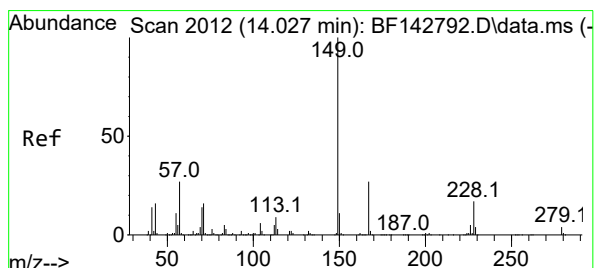
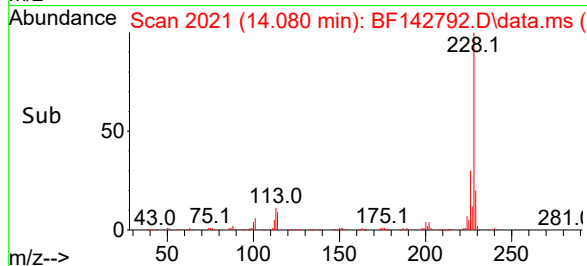
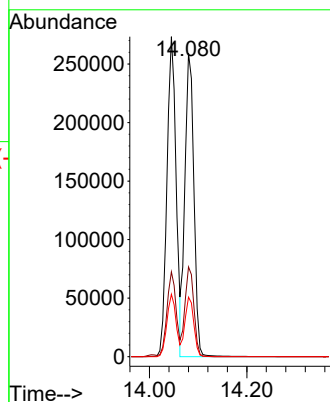
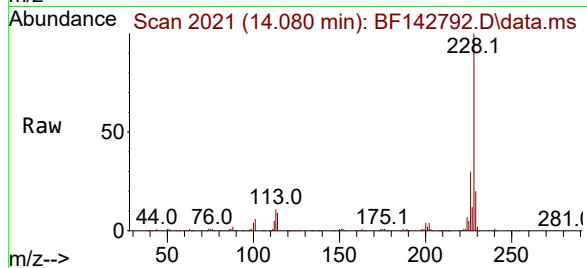
Tgt Ion:228 Resp: 331830

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

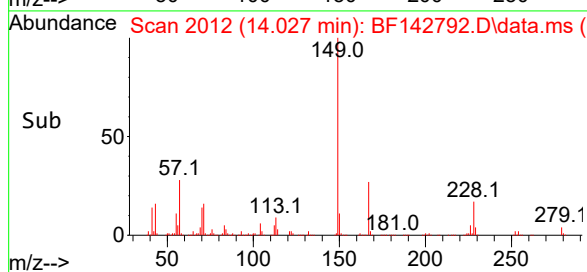
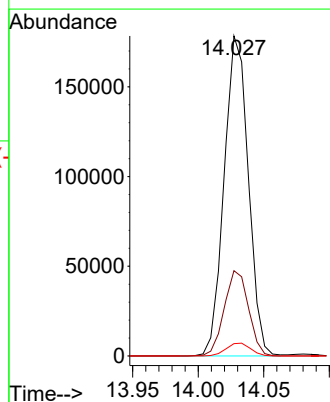
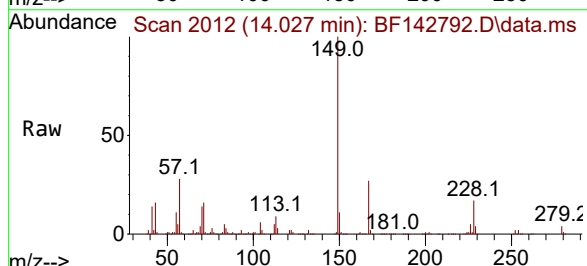
Tgt Ion:149 Resp: 228949

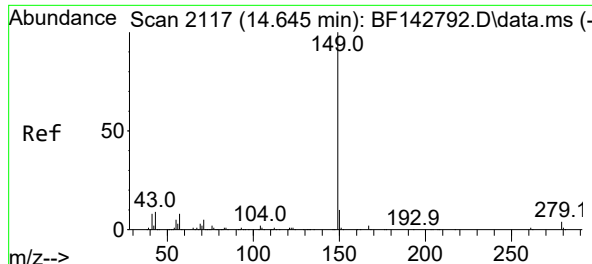
Ion Ratio Lower Upper

149 100

167 26.7 21.4 32.0

279 3.8 3.0 4.6

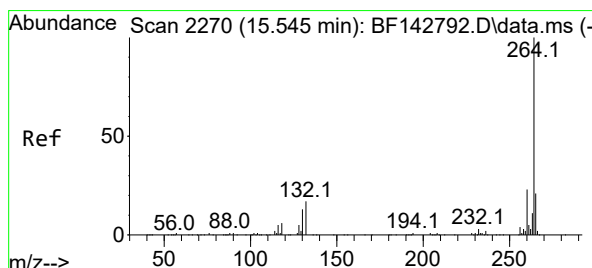
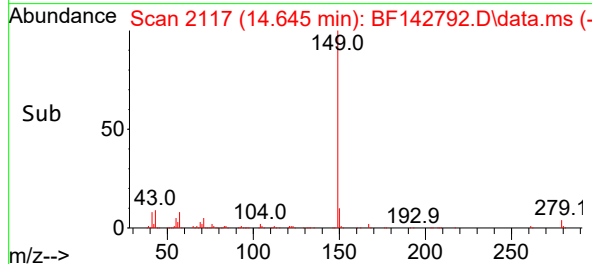
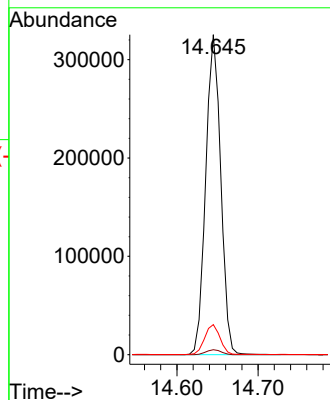
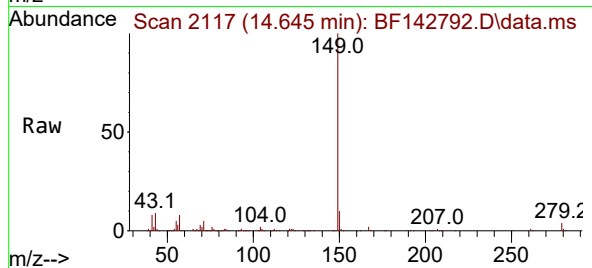




#85
Di-n-octyl phthalate
Concen: 37.837 ng
RT: 14.645 min Scan# 2117
Delta R.T. 0.000 min
Lab File: BF142792.D
Acq: 19 Jun 2025 19:09

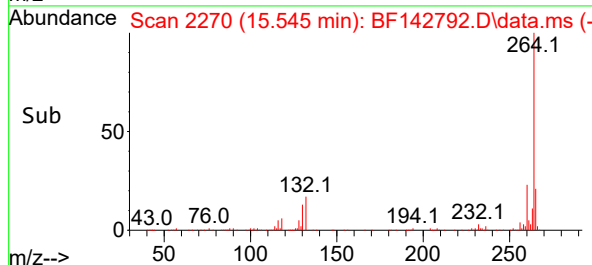
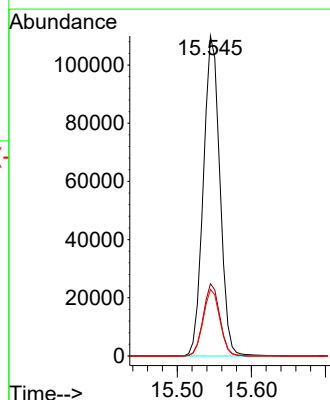
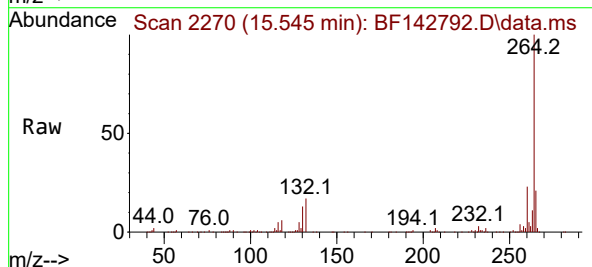
Instrument :
BNA_F
ClientSampleId :
SSTDICC040

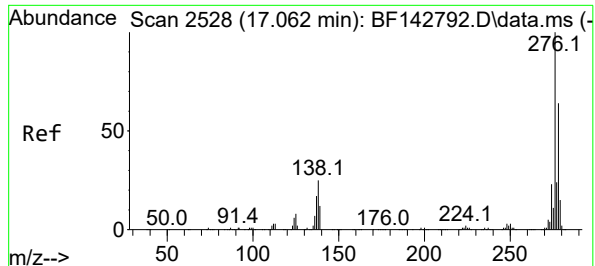
Tgt Ion:149 Resp: 416971
Ion Ratio Lower Upper
149 100
167 1.6 1.3 1.9
43 9.5 7.6 11.4



#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:264 Resp: 170267
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# 2196

Delta R.T. 0.000 min

Lab File: BF142792.D

Acq: 19 Jun 2025 19:09

Instrument :

BNA_F

ClientSampleId :

SSTDICC040

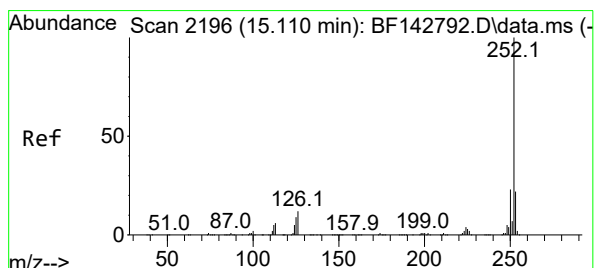
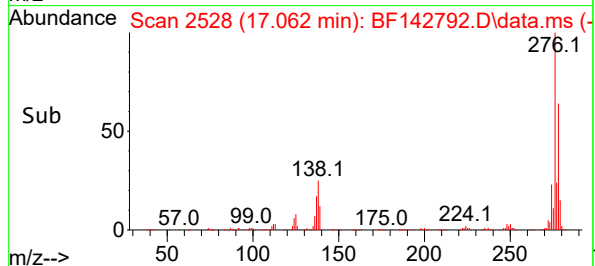
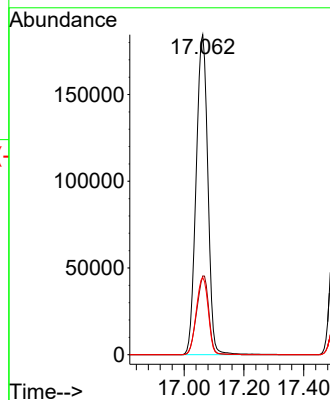
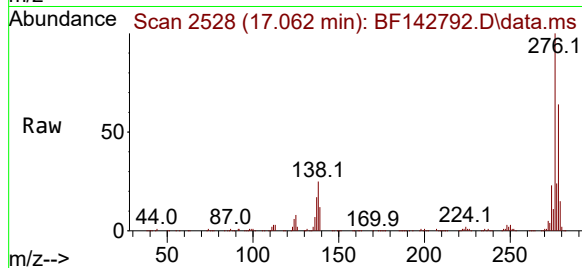
Tgt Ion:276 Resp: 501803

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

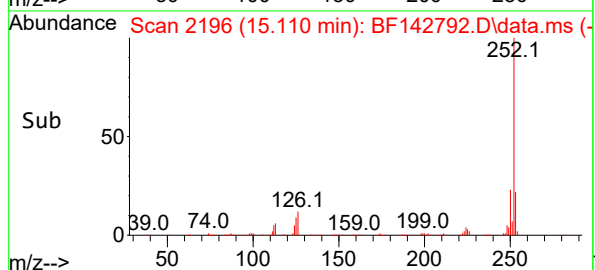
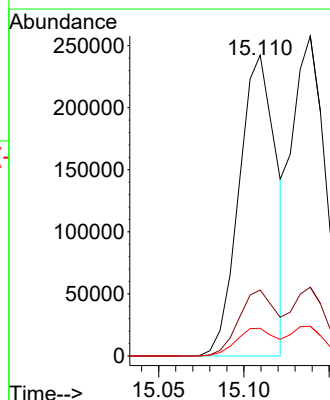
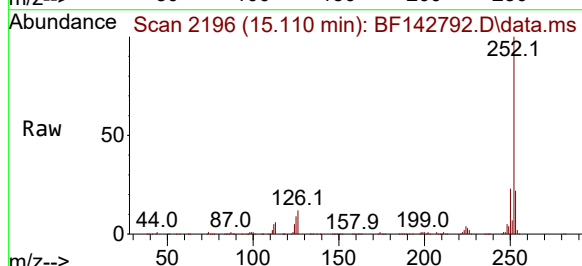
Tgt Ion:252 Resp: 365164

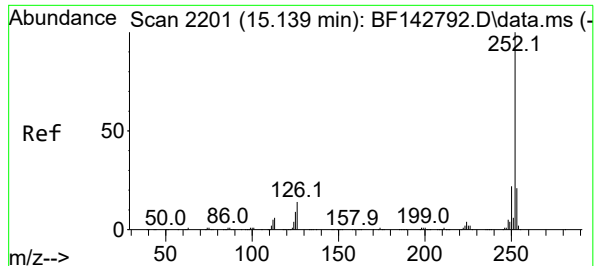
Ion Ratio Lower Upper

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 :

SSTDICC040

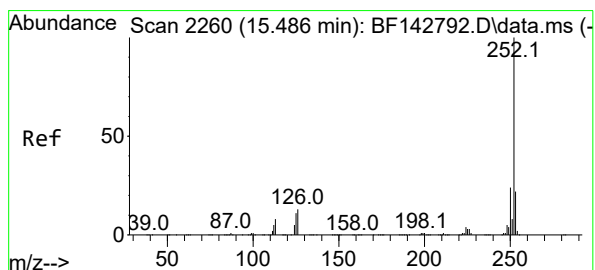
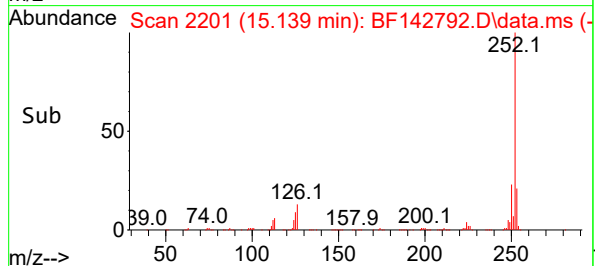
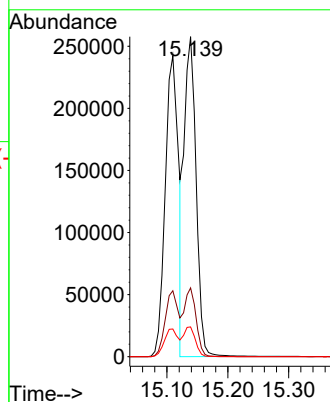
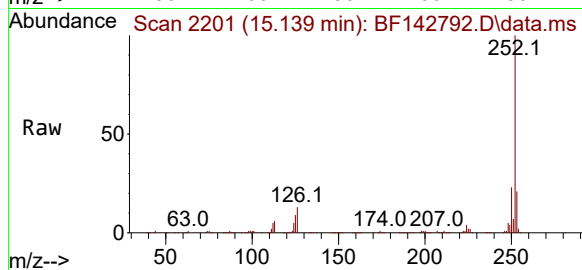
Tgt Ion:252 Resp: 352993

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

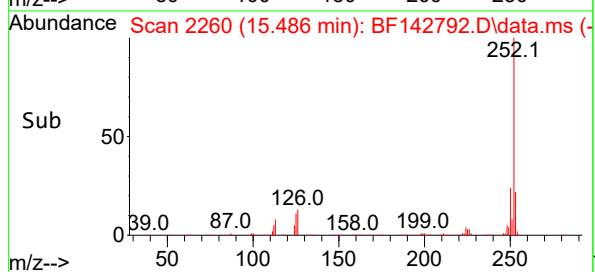
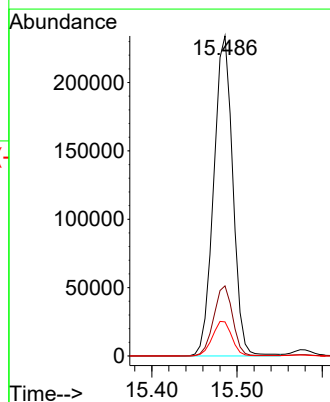
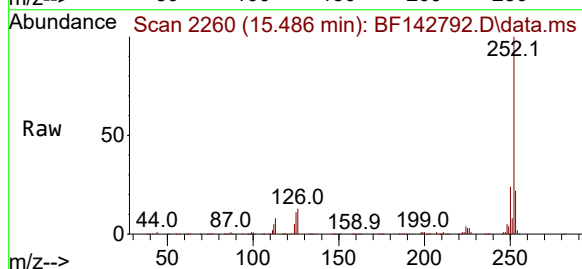
Tgt Ion:252 Resp: 363990

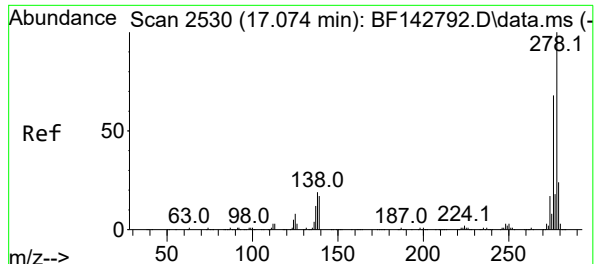
Ion Ratio Lower Upper

252 100

253 21.9 17.5 26.3

125 10.7 8.6 12.8

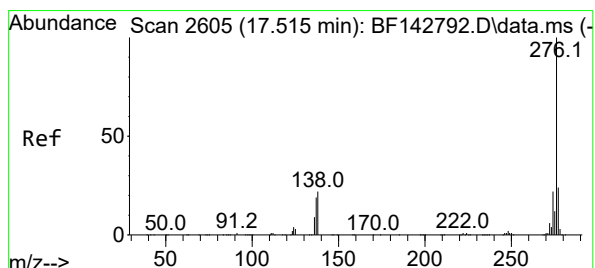
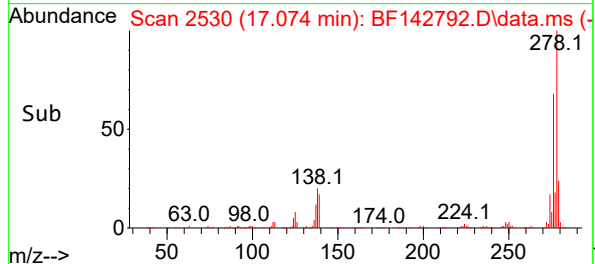
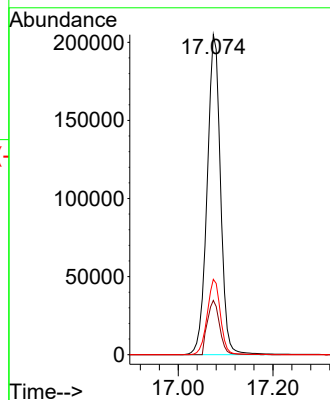
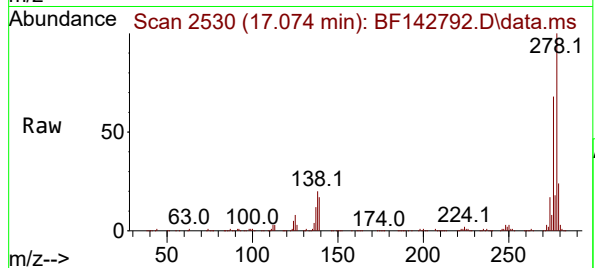




#91
Dibenzo(a,h)anthracene
Concen: 39.266 ng
RT: 17.074 min Scan# 2530
Delta R.T. 0.000 min
Lab File: BF142792.D
Acq: 19 Jun 2025 19:09

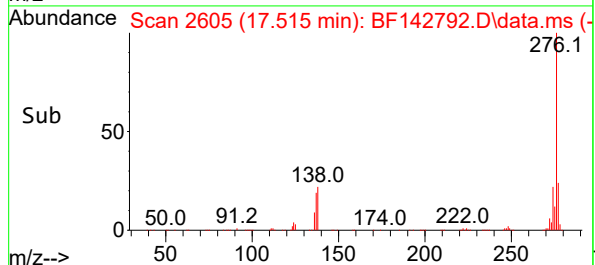
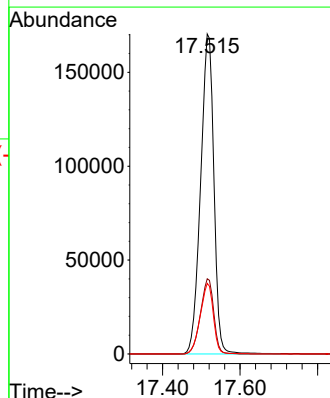
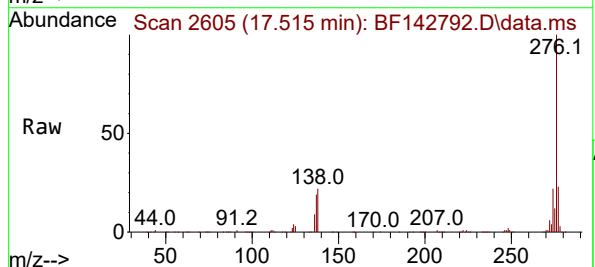
Instrument :
BNA_F
ClientSampleId :
SSTDICC040

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

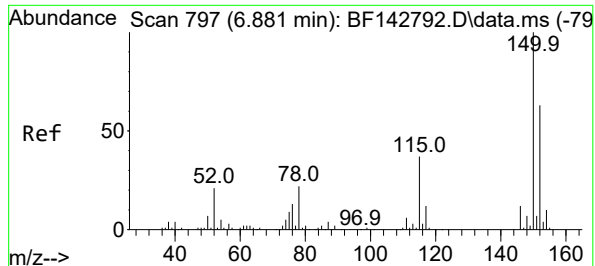
Quant Time: Jun 20 04:40:40 2025
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF061925.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Fri Jun 20 04:36:38 2025
 Response via : Initial Calibration

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

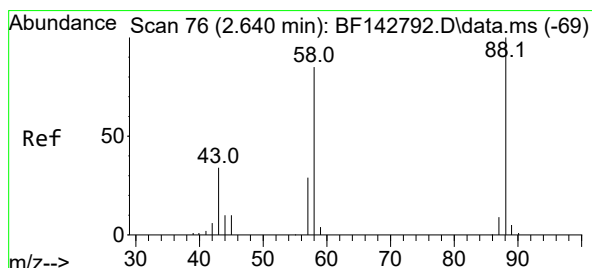
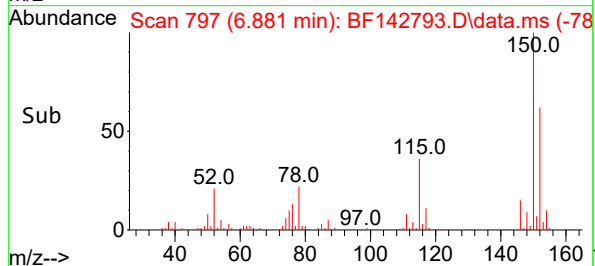
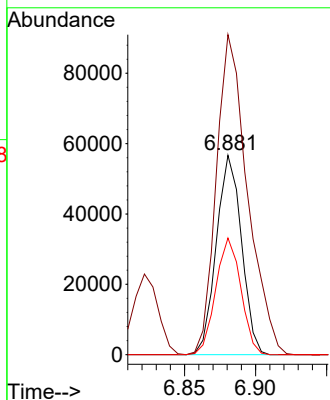
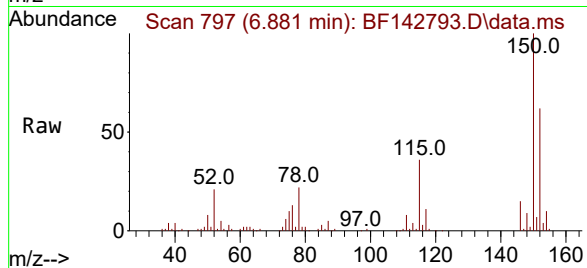
[illegible]



#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

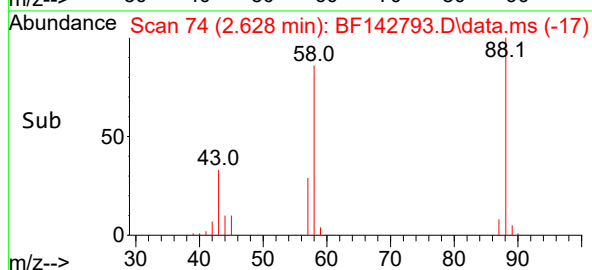
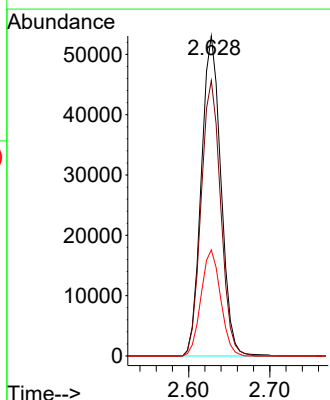
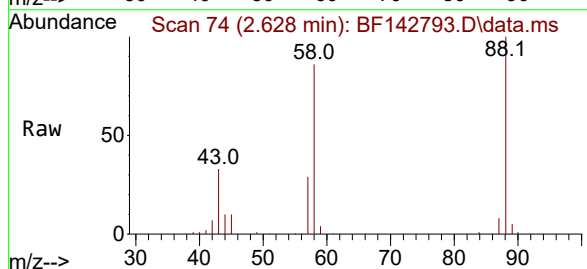
Instrument :
BNA_F
ClientSampleId :
SSTDICC050

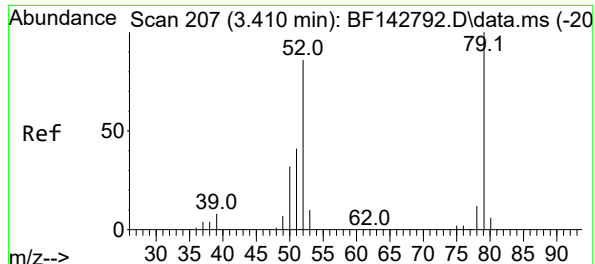
Tgt Ion:152 Resp: 69874
Ion Ratio Lower Upper
152 100
150 160.5 127.2 190.8
115 58.5 46.6 69.8



#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 :

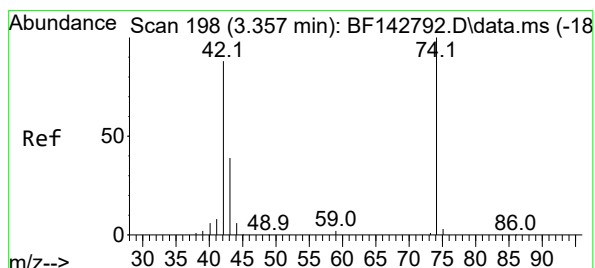
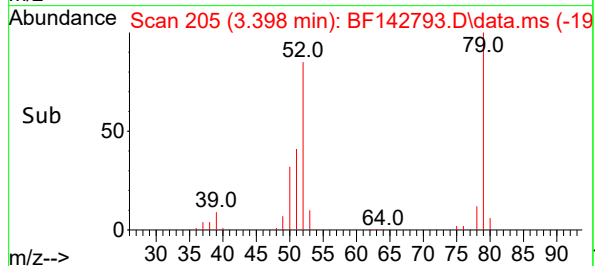
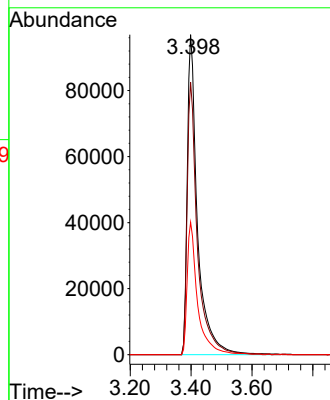
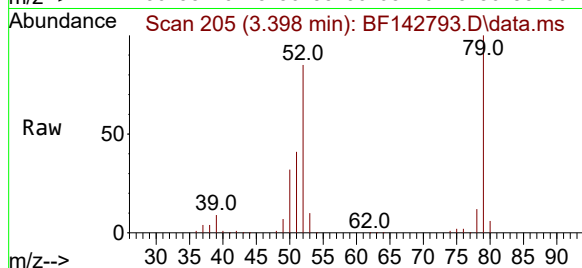
BNA_F

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

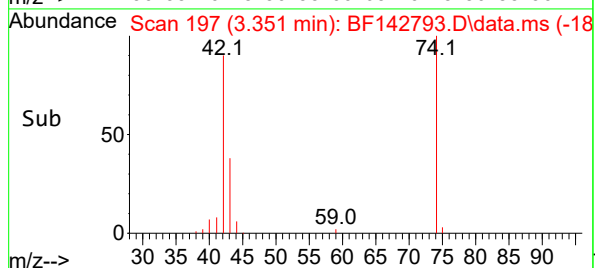
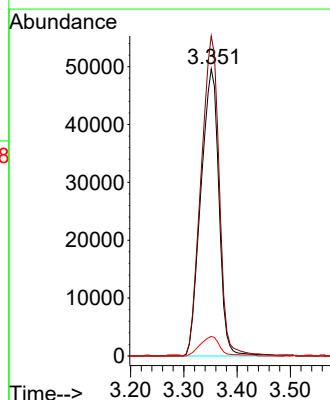
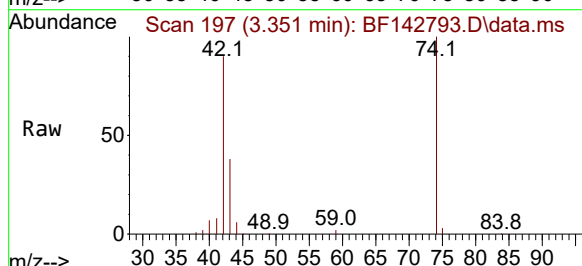
Delta R.T. -0.006 min

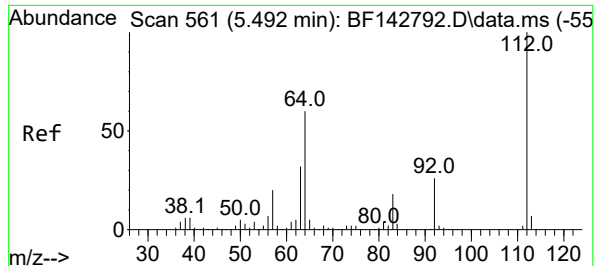
Lab File: BF142793.D

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# 5

Delta R.T. -0.000 min

Lab File: BF142793.D

Acq: 19 Jun 2025 19:40

Instrument :

BNA_F

ClientSampleId :

SSTDICC050

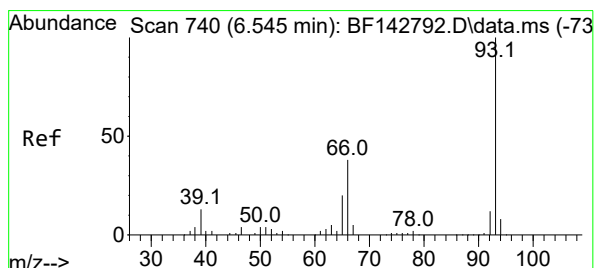
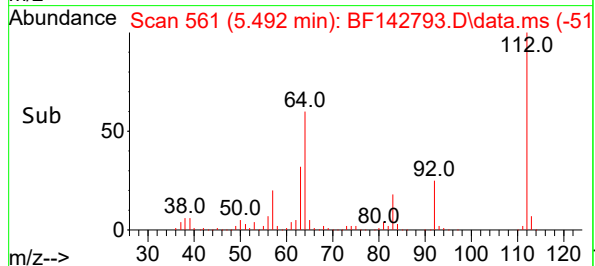
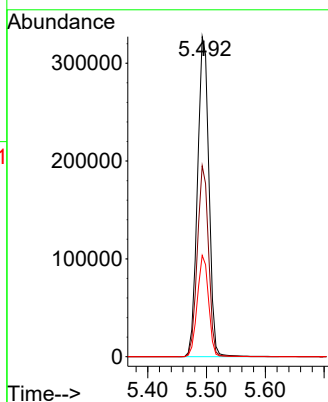
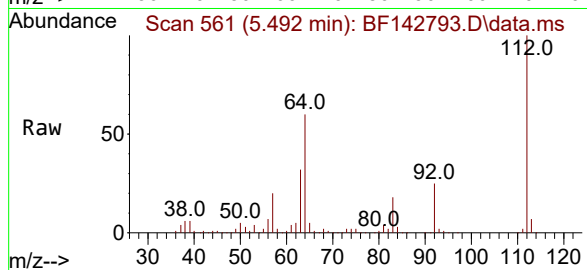
Tgt Ion:112 Resp: 441114

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

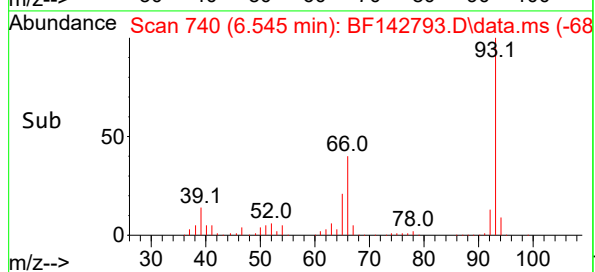
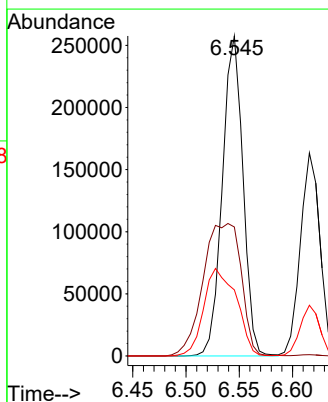
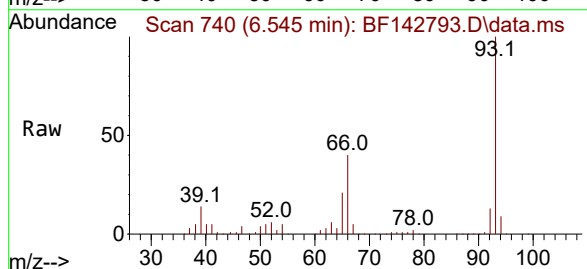
Tgt Ion: 93 Resp: 346211

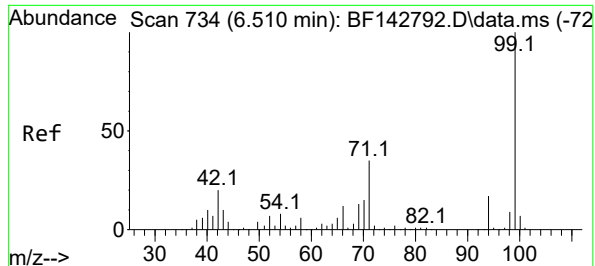
Ion Ratio Lower Upper

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

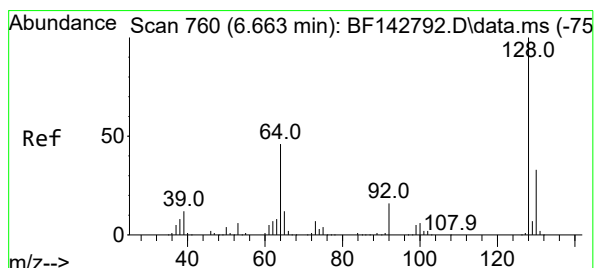
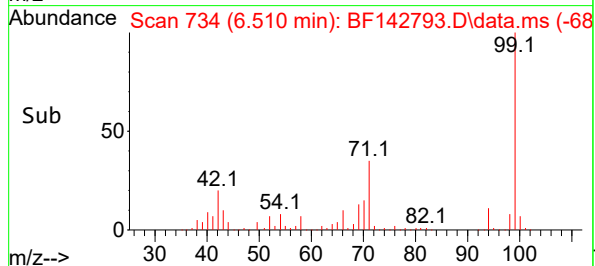
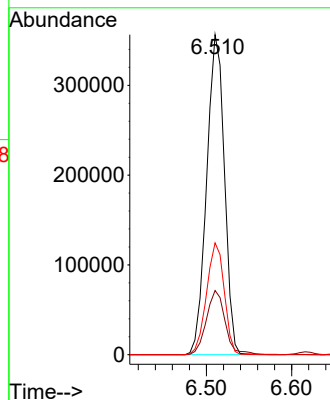
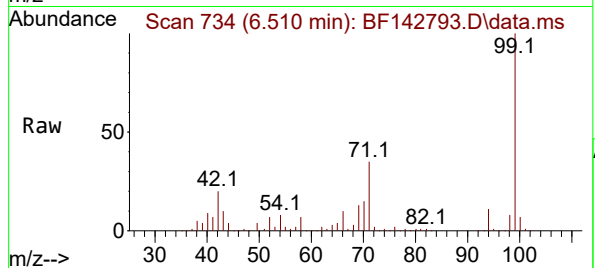
Tgt Ion: 99 Resp: 516909

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

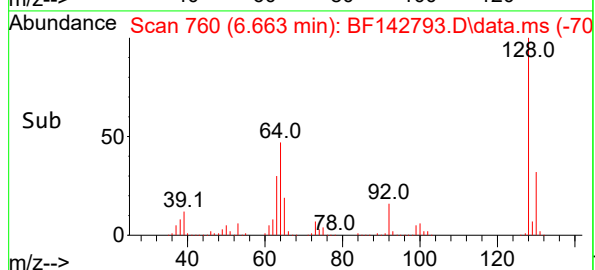
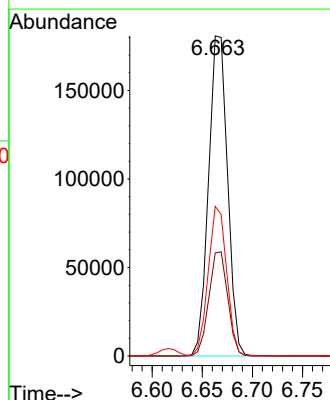
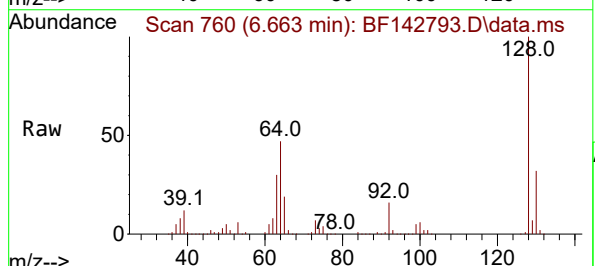
Tgt Ion:128 Resp: 238691

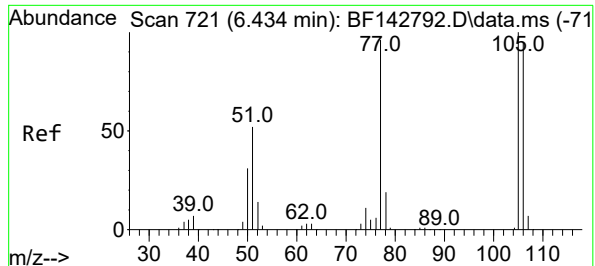
Ion Ratio Lower Upper

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

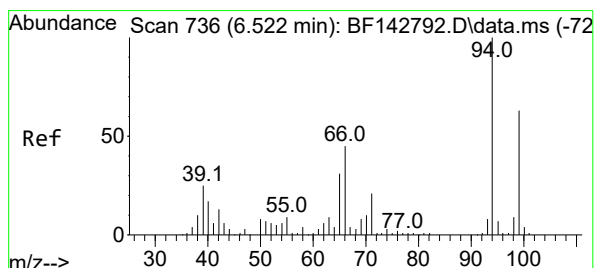
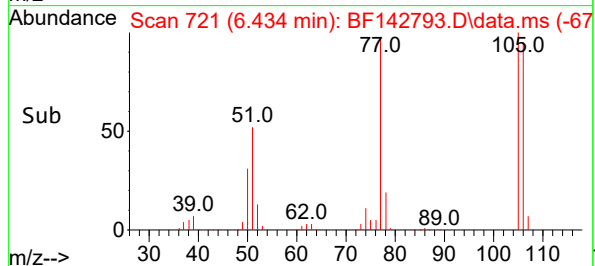
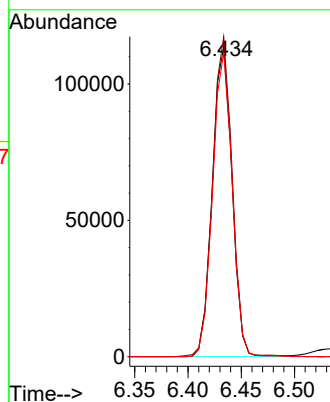
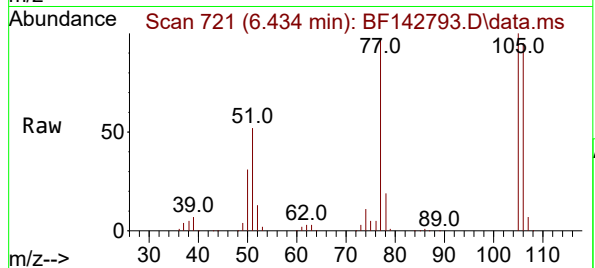
Tgt Ion: 77 Resp: 145420

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

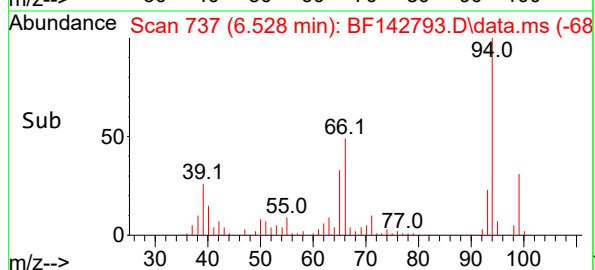
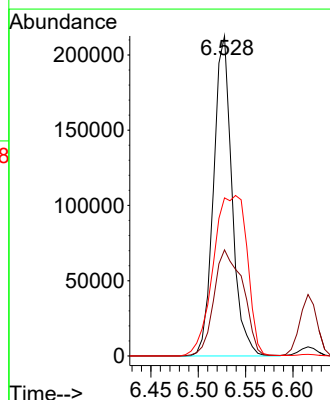
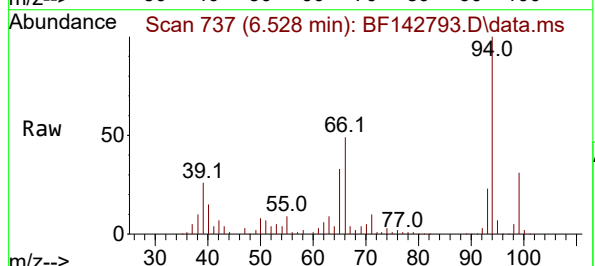
Tgt Ion: 94 Resp: 288461

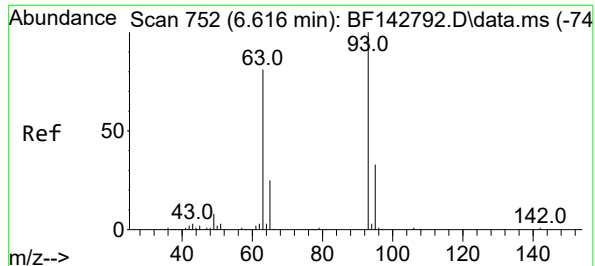
Ion Ratio Lower Upper

94 100

65 33.2 11.3 51.3

66 49.4 24.9 64.9

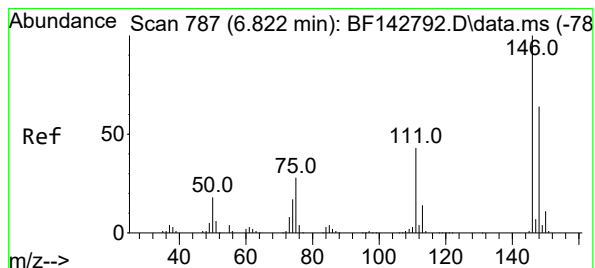
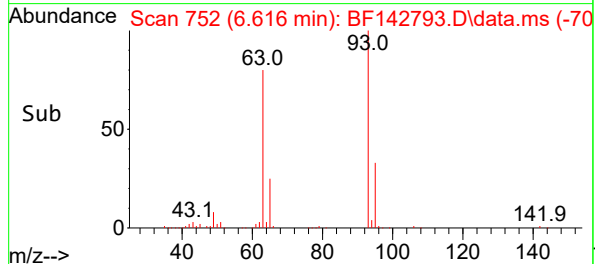
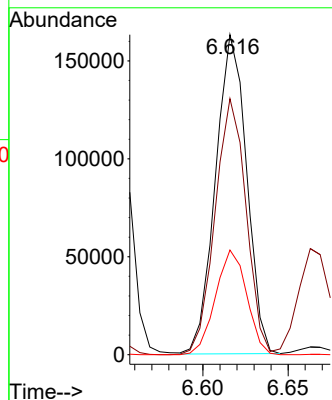
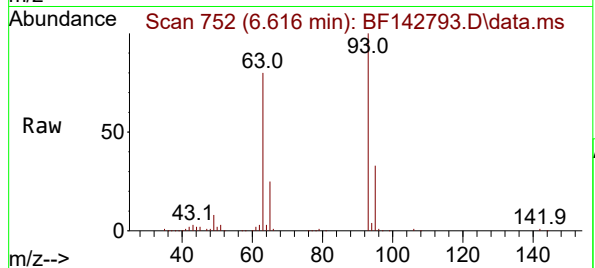




#11
bis(2-Chloroethyl)ether
Concen: 51.933 ng
RT: 6.616 min Scan# 752
Delta R.T. -0.000 min
Lab File: BF142793.D
Acq: 19 Jun 2025 19:40

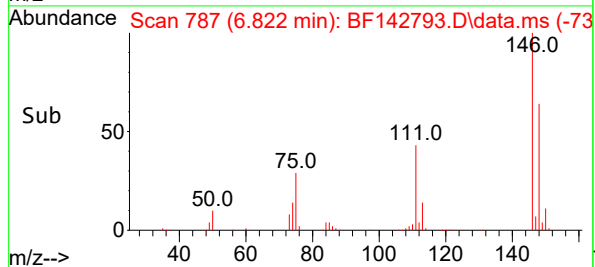
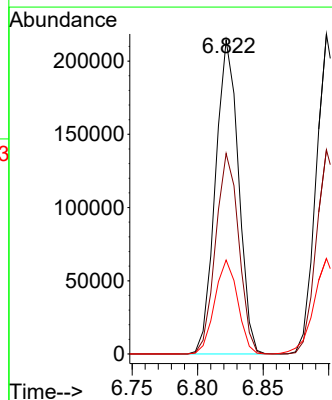
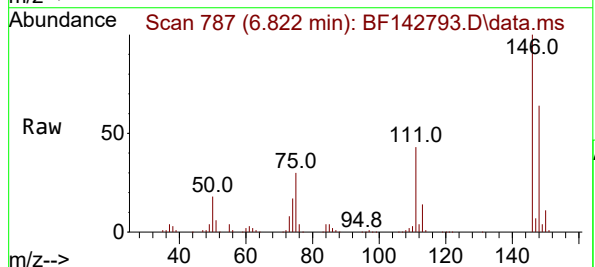
Instrument :
BNA_F
ClientSampleId :
SSTDICC050

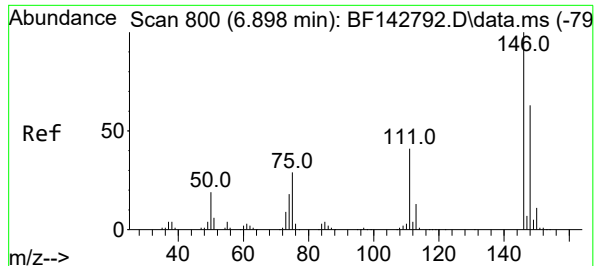
Tgt Ion: 93 Resp: 206661
Ion Ratio Lower Upper
93 100
63 80.0 60.3 100.3
95 32.7 12.5 52.5



#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

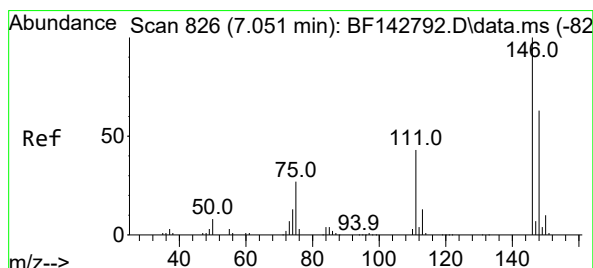
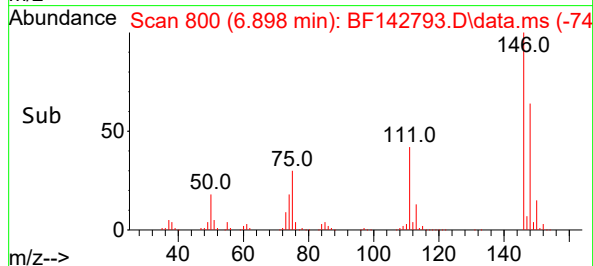
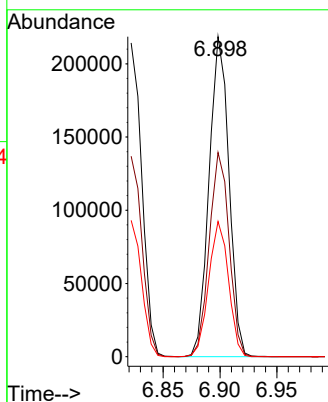
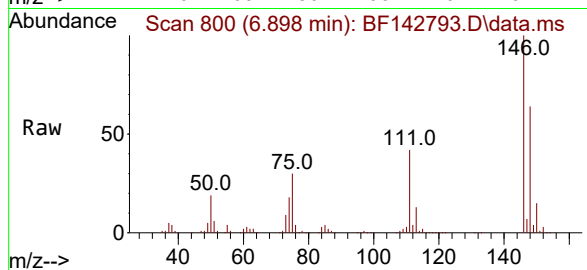
Tgt Ion:146 Resp: 266098

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

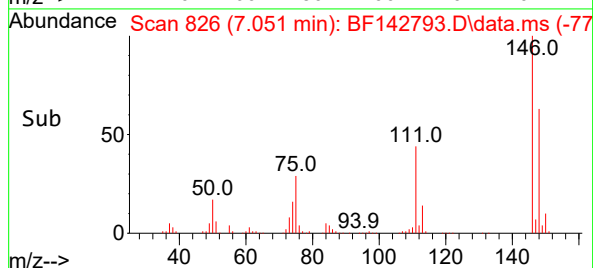
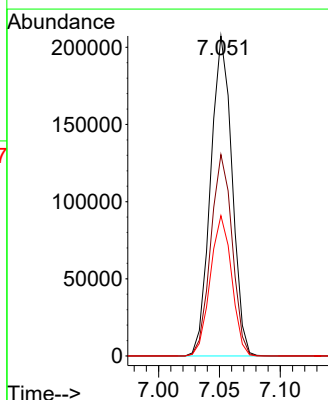
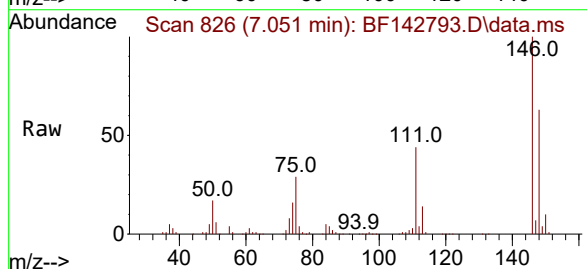
Tgt Ion:146 Resp: 253411

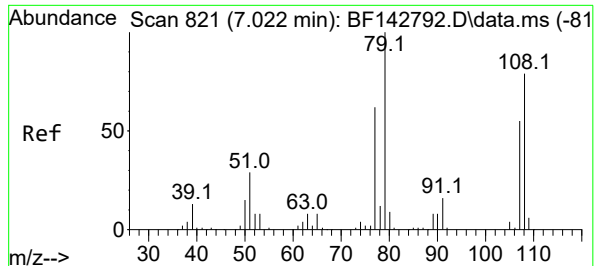
Ion Ratio Lower Upper

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

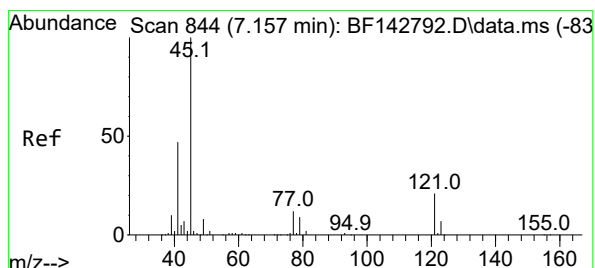
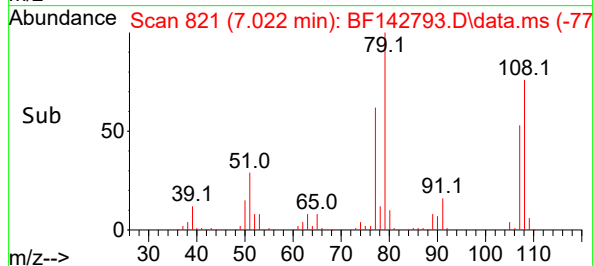
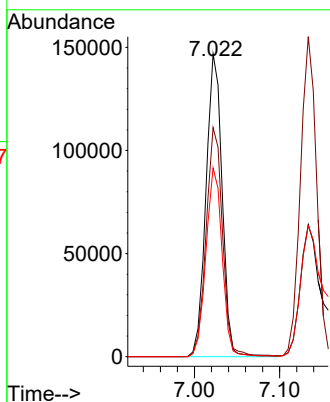
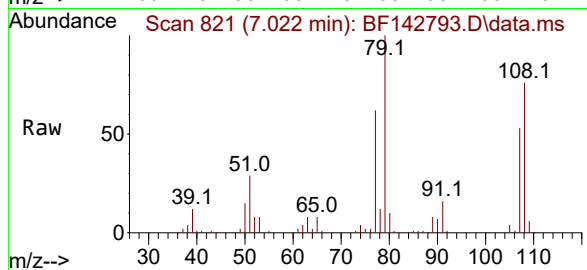
Tgt Ion: 79 Resp: 193284

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

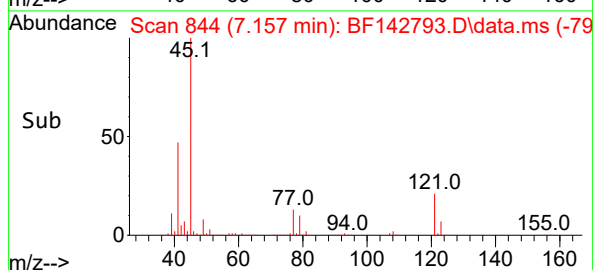
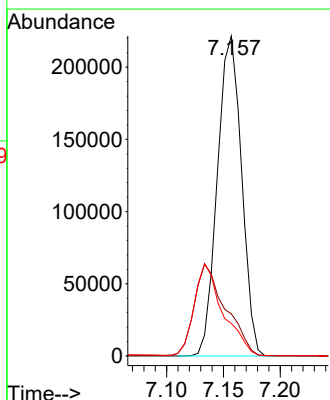
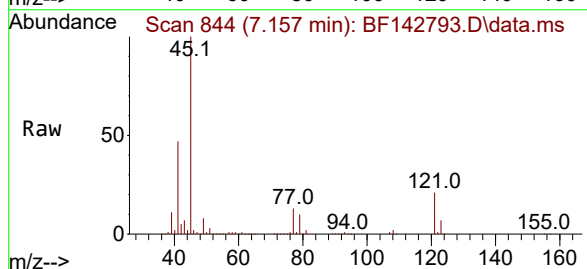
Tgt Ion: 45 Resp: 328251

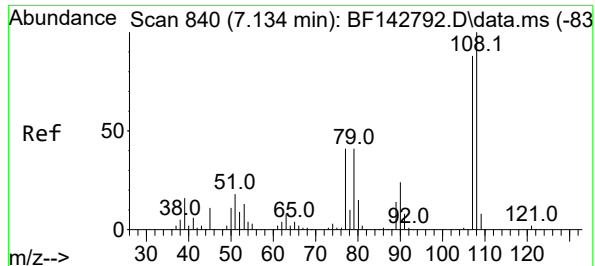
Ion Ratio Lower Upper

45 100

77 13.1 0.0 32.8

79 10.2 0.0 29.8

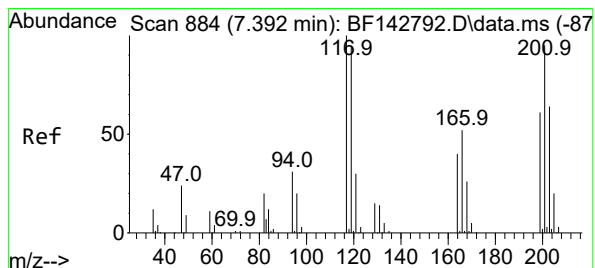
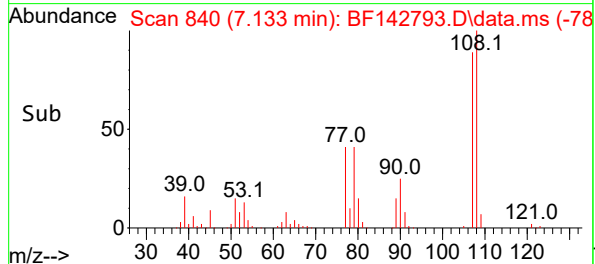
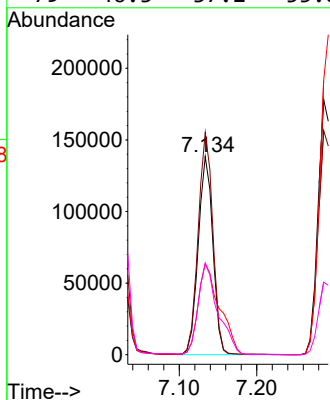
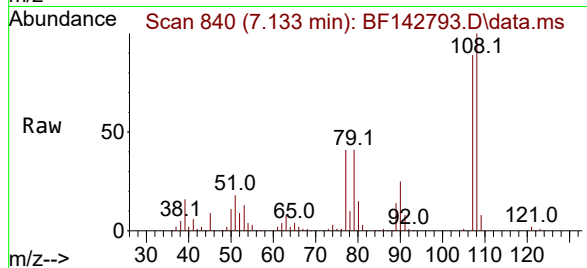




#17
2-Methylphenol
Concen: 53.415 ng
RT: 7.133 min Scan# 840
Delta R.T. -0.000 min
Lab File: BF142793.D
Acq: 19 Jun 2025 19:40

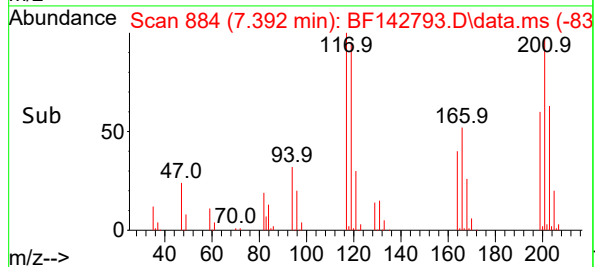
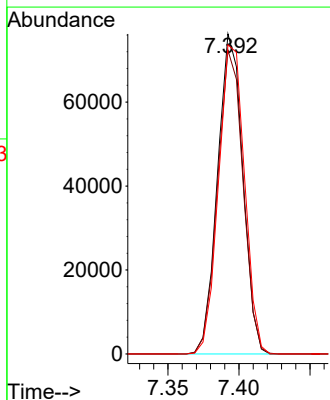
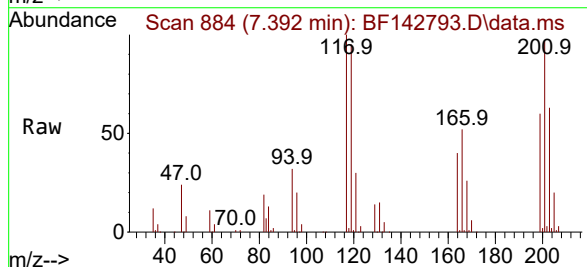
Instrument :
BNA_F
ClientSampleId :
SSTDICC050

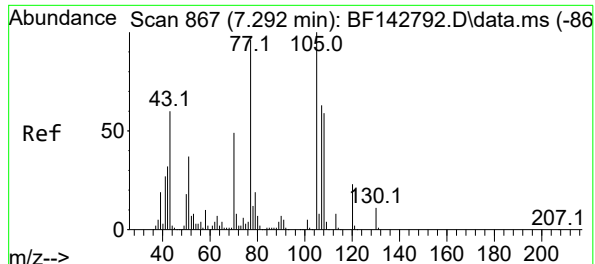
Tgt Ion:107 Resp: 182167
Ion Ratio Lower Upper
107 100
108 112.2 90.9 136.3
77 45.9 37.3 55.9
79 46.3 37.2 55.8



#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

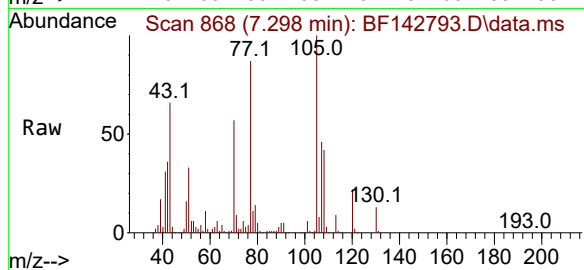
Acq: 19 Jun 2025 19:40

Instrument :

BNA_F

ClientSampleId :

SSTDICC050



Tgt Ion: 70 Resp: 147905

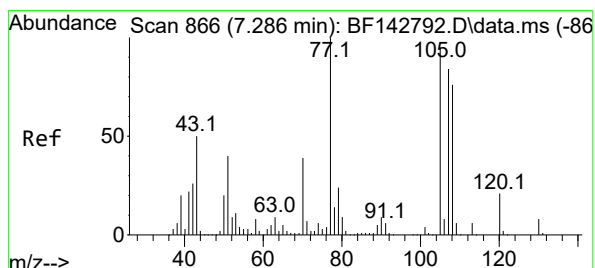
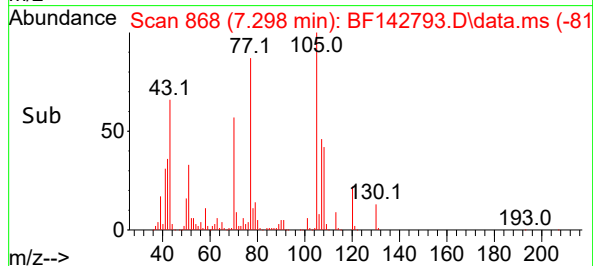
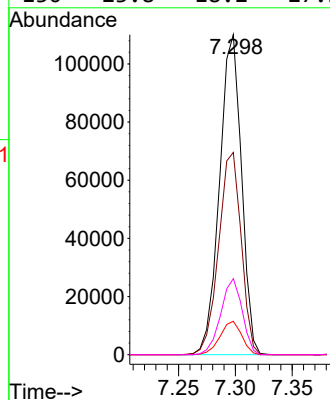
Ion Ratio Lower Upper

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

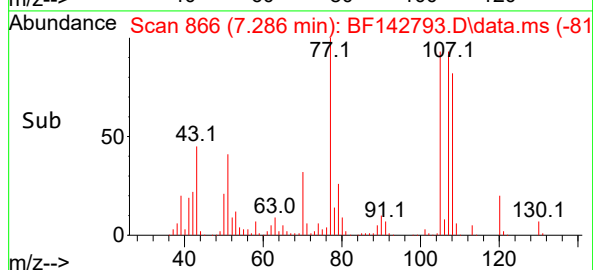
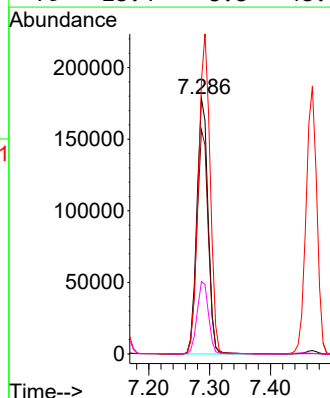
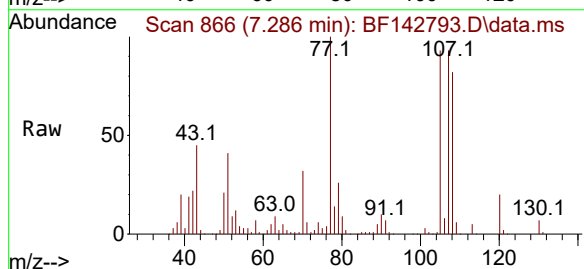
Ion Ratio Lower Upper

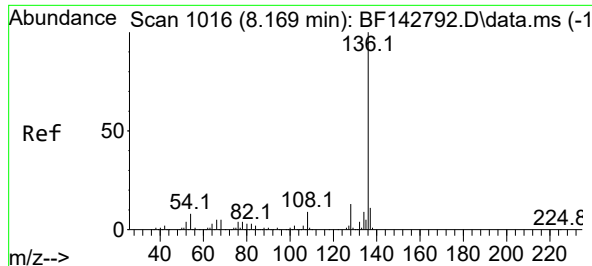
107 100

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

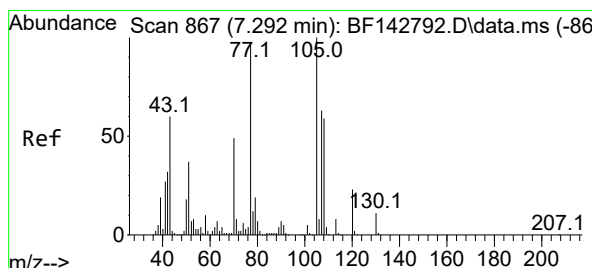
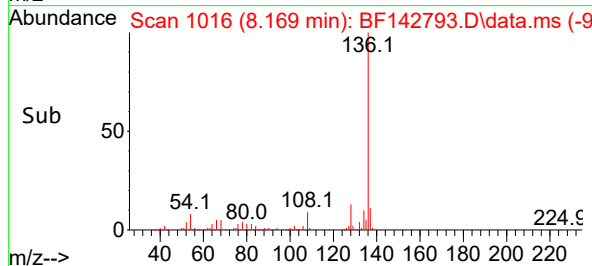
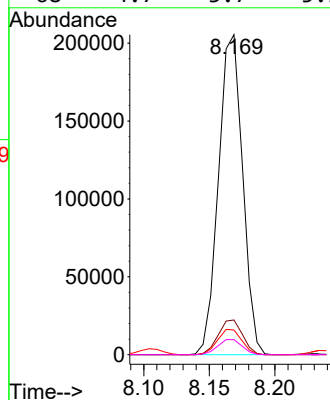
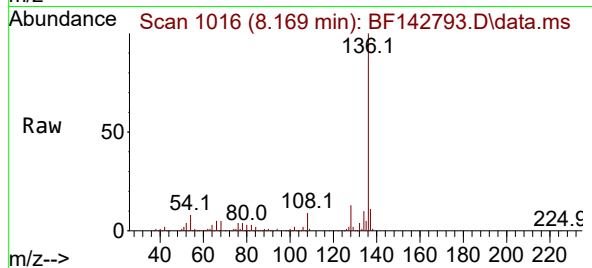
Ion Ratio Lower Upper

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

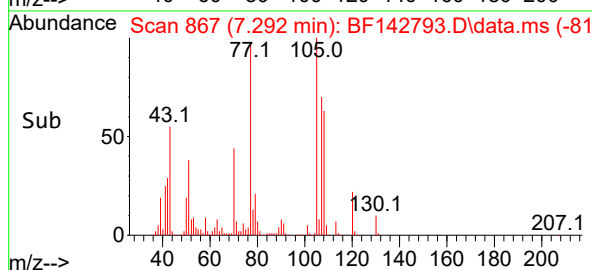
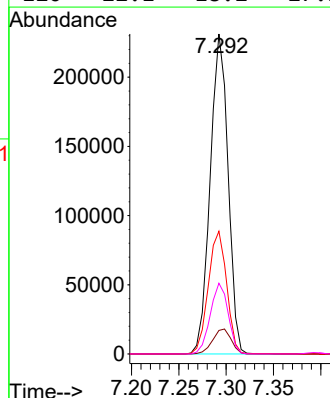
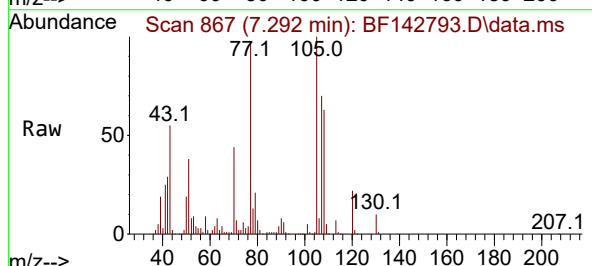
Ion Ratio Lower Upper

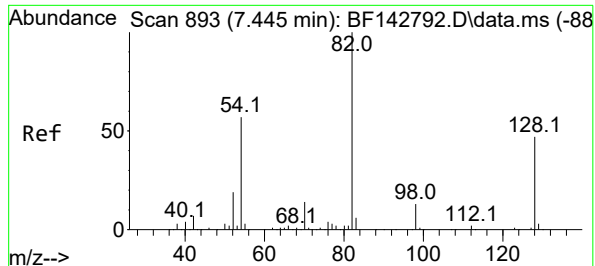
105 100

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

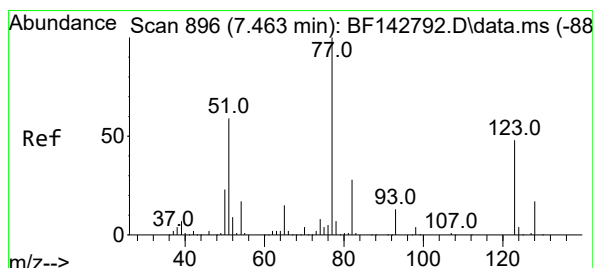
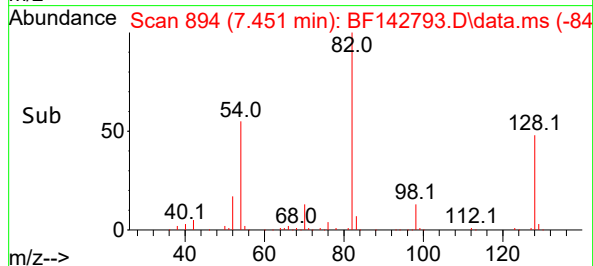
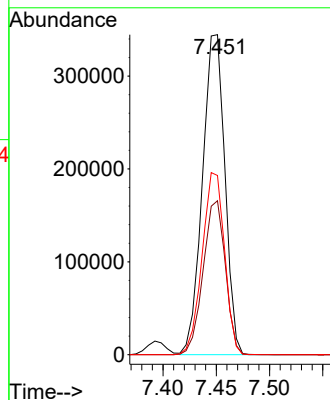
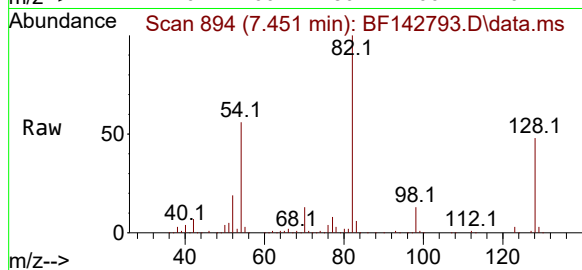
Tgt Ion: 82 Resp: 506846

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

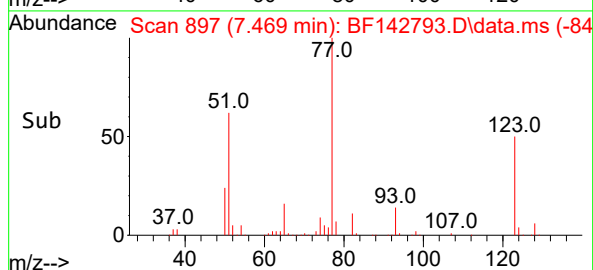
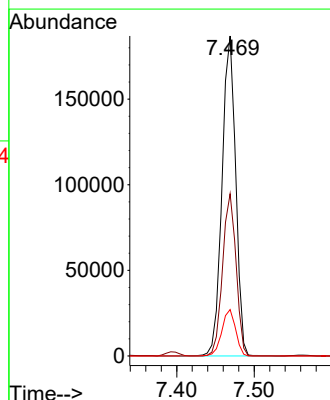
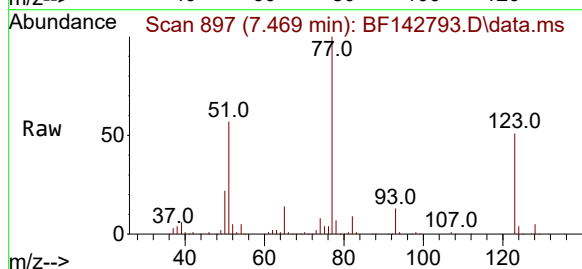
Tgt Ion: 77 Resp: 229219

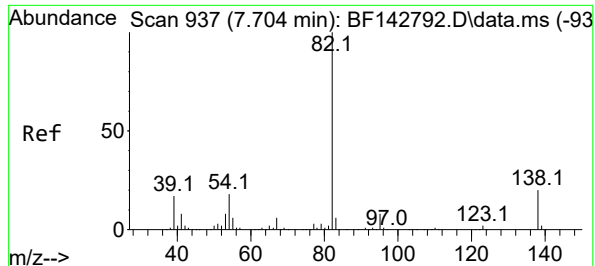
Ion Ratio Lower Upper

77 100

123 50.7 39.2 58.8

65 14.5 11.6 17.4

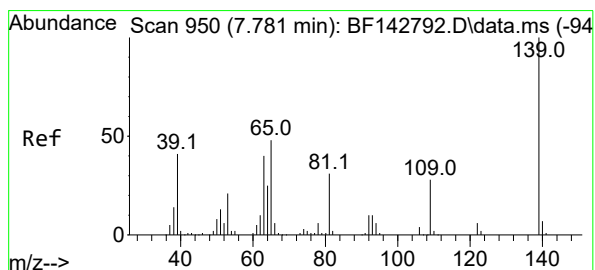
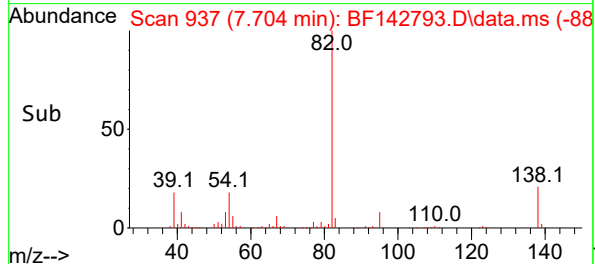
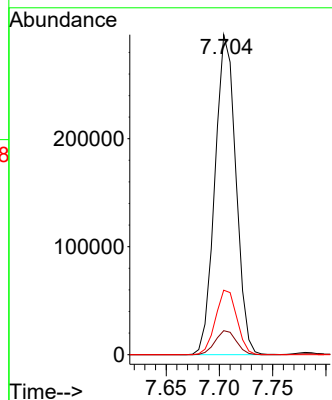
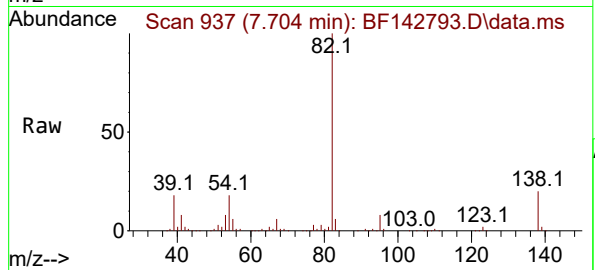




#25
Isophorone
Concen: 50.334 ng
RT: 7.704 min Scan# 91
Delta R.T. -0.000 min
Lab File: BF142793.D
Acq: 19 Jun 2025 19:40

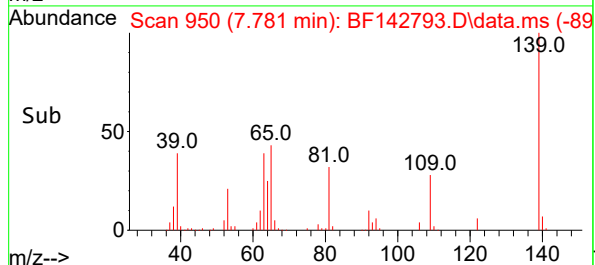
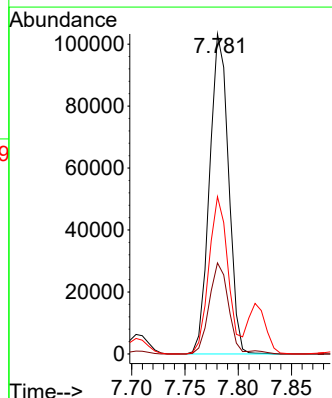
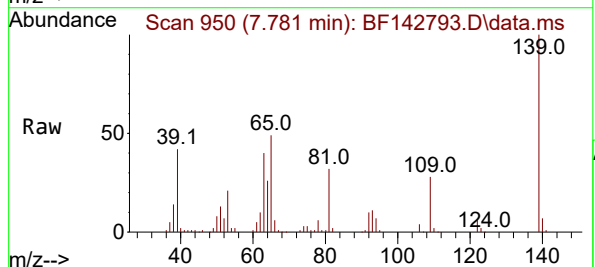
Instrument :
BNA_F
ClientSampleId :
SSTDICC050

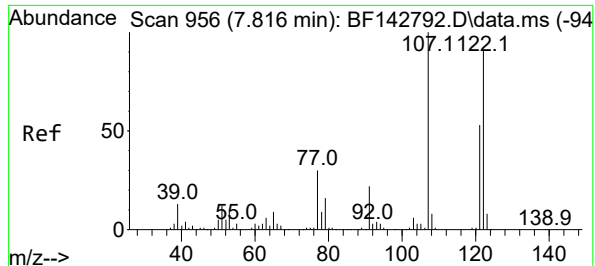
Tgt Ion: 82 Resp: 404886
Ion Ratio Lower Upper
82 100
95 7.5 6.2 9.2
138 20.2 16.2 24.4



#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

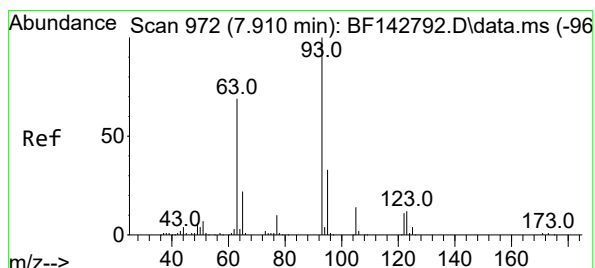
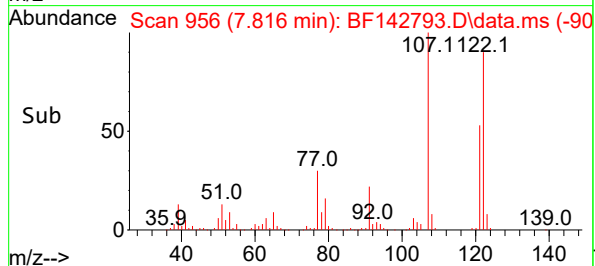
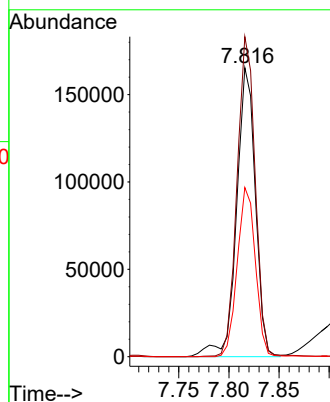
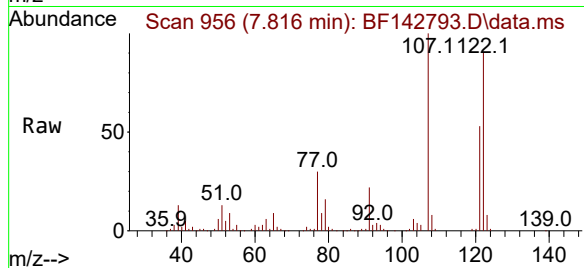
Tgt Ion:122 Resp: 216204

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

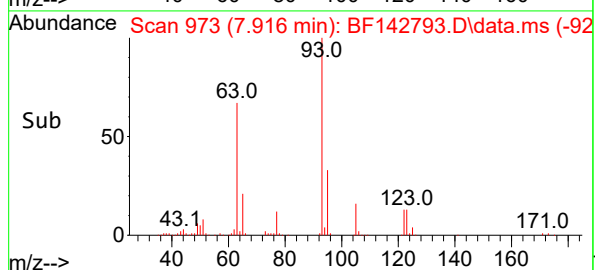
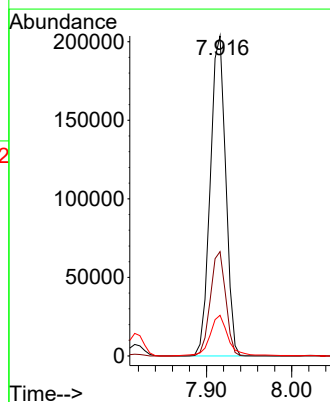
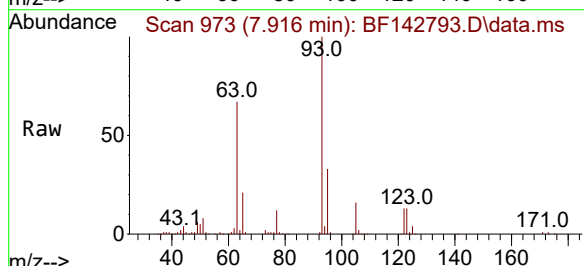
Tgt Ion: 93 Resp: 256119

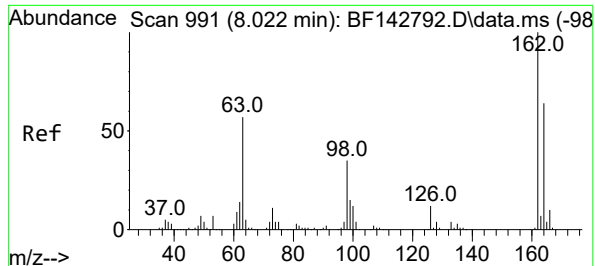
Ion Ratio Lower Upper

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 :

SSTDICC050

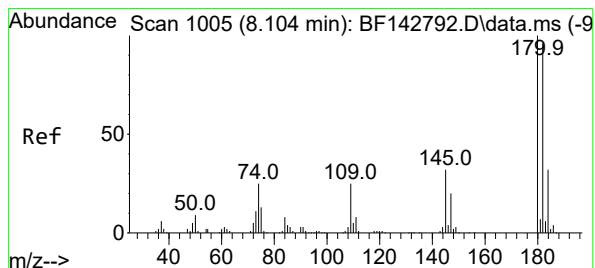
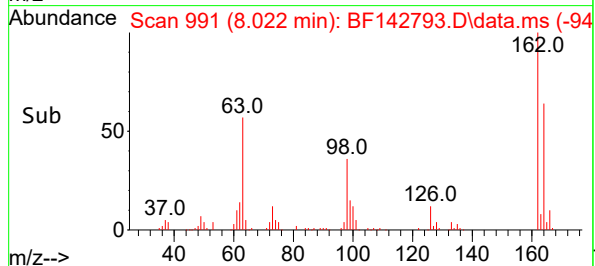
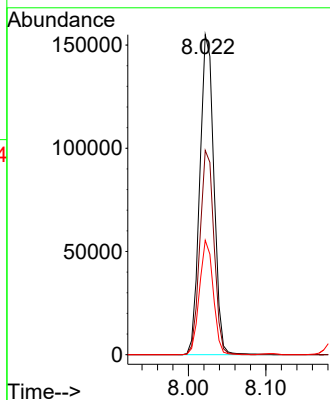
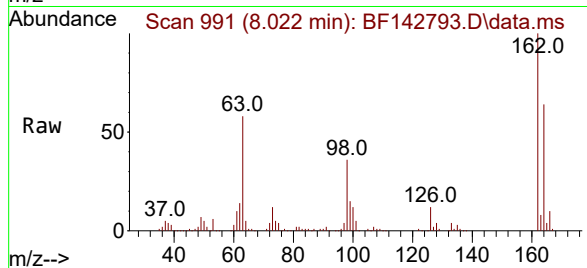
Tgt Ion:162 Resp: 195589

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

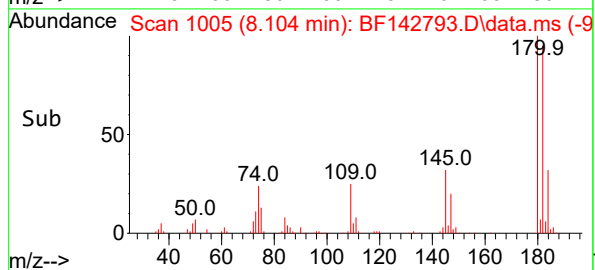
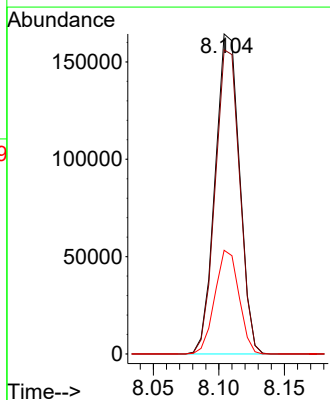
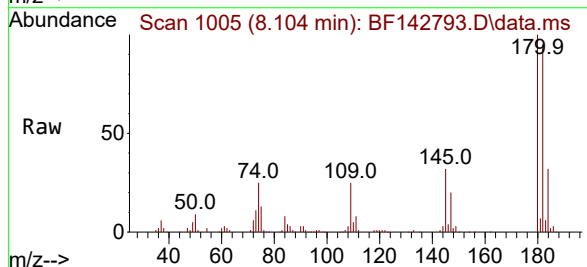
Tgt Ion:180 Resp: 213118

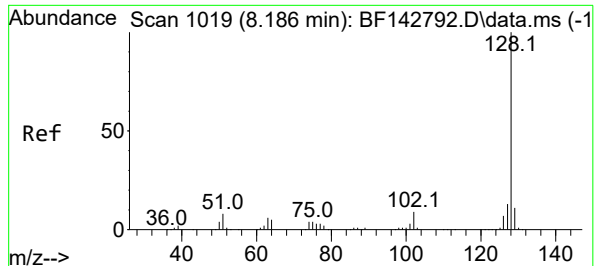
Ion Ratio Lower Upper

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

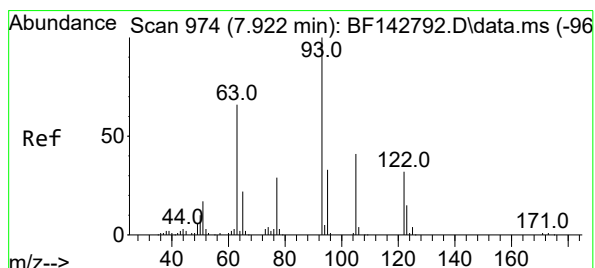
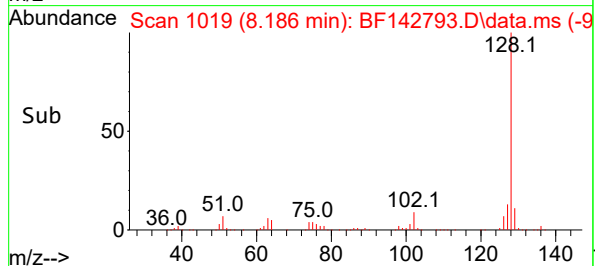
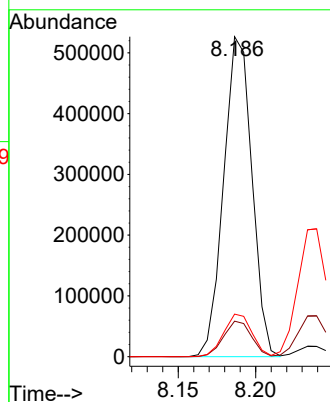
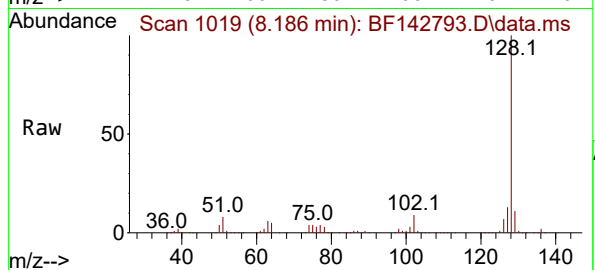
Tgt Ion:128 Resp: 668713

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

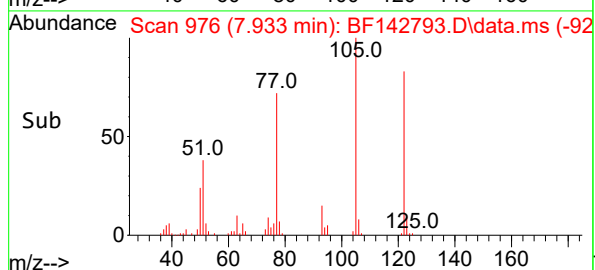
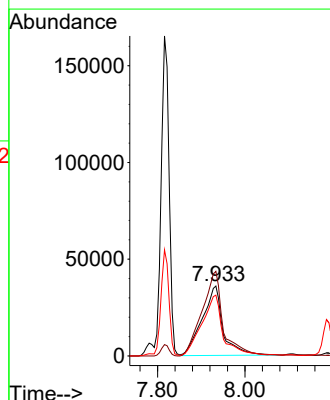
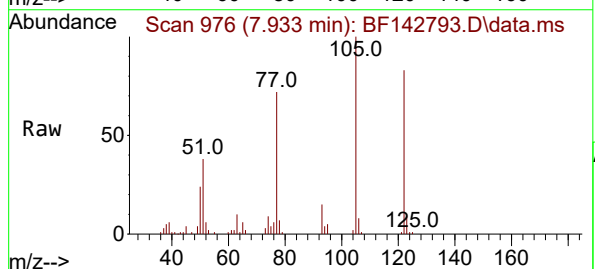
Tgt Ion:122 Resp: 119196

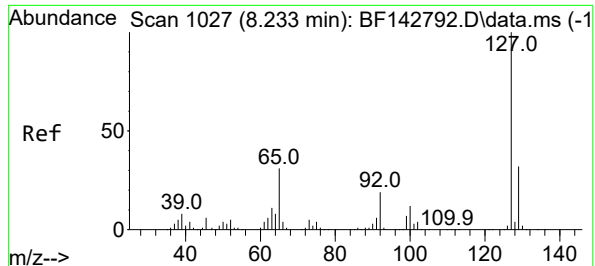
Ion Ratio Lower Upper

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# 1028

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

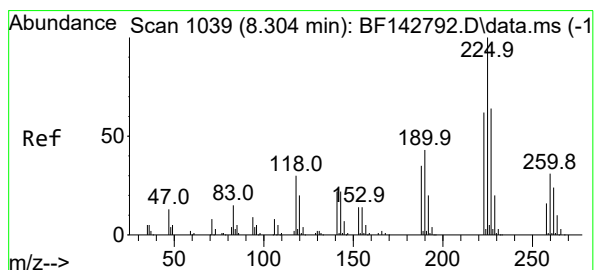
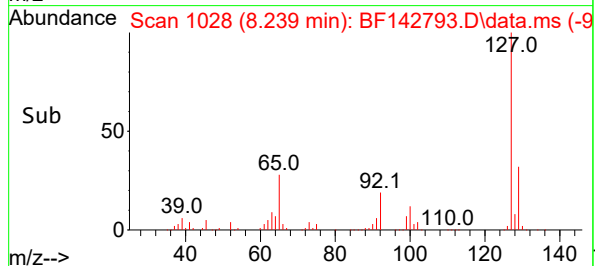
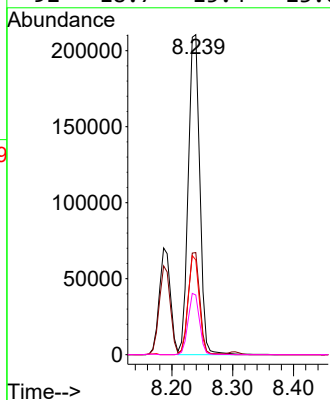
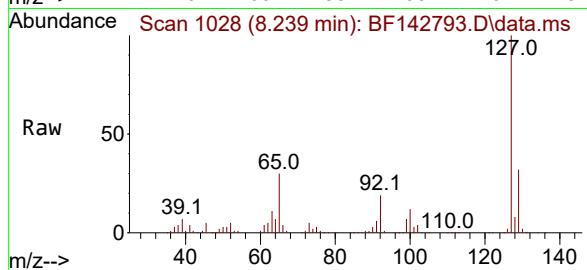
Ion Ratio Lower Upper

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

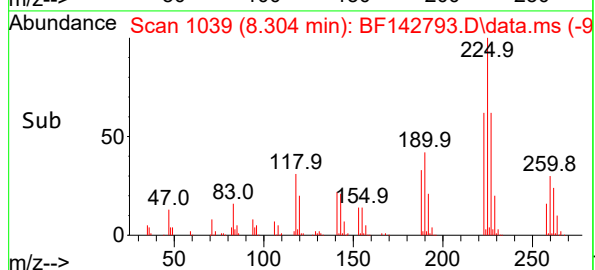
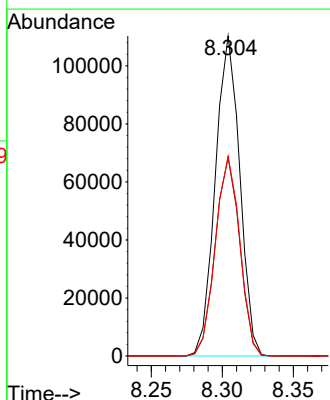
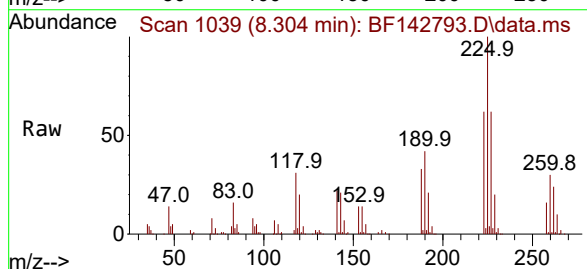
Tgt Ion:225 Resp: 131697

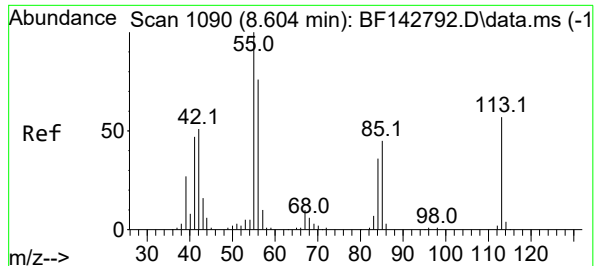
Ion Ratio Lower Upper

225 100

223 62.0 49.9 74.9

227 62.4 51.4 77.0

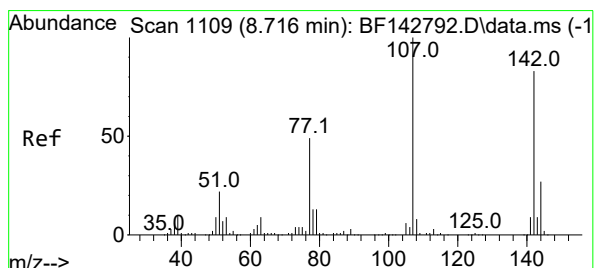
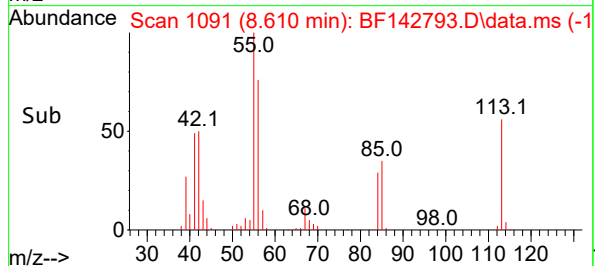
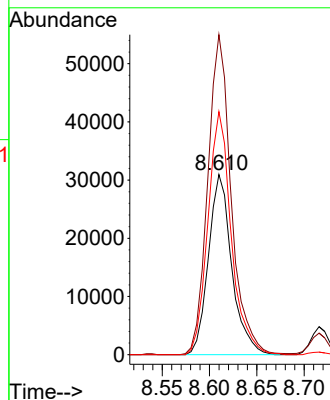
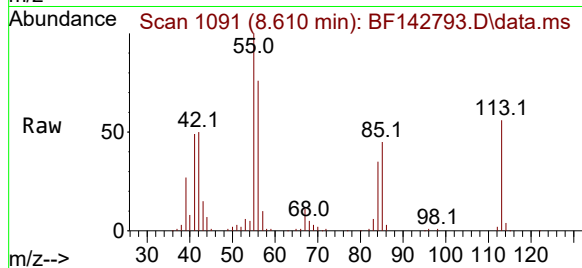




#35
Caprolactam
Concen: 52.873 ng
RT: 8.610 min Scan# 1091
Delta R.T. 0.006 min
Lab File: BF142793.D
Acq: 19 Jun 2025 19:40

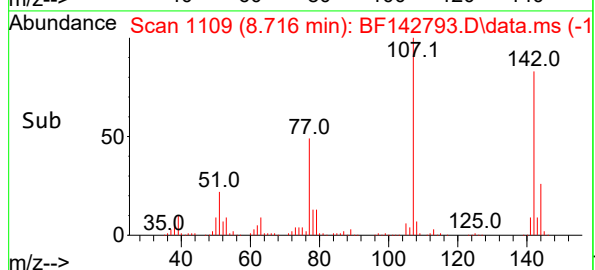
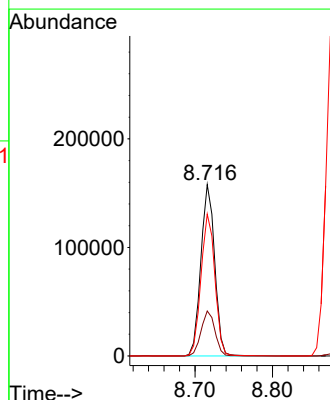
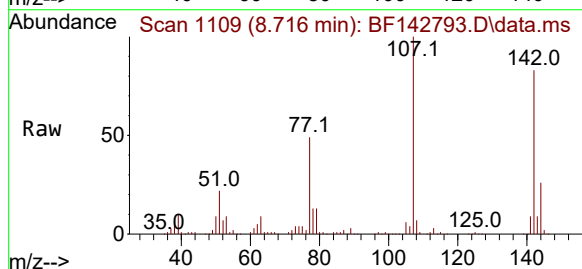
Instrument :
BNA_F
ClientSampleId :
SSTDICC050

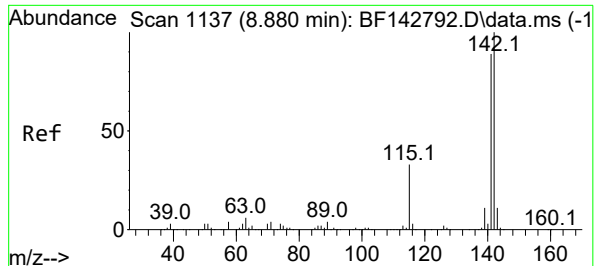
Tgt Ion:113 Resp: 53024
Ion Ratio Lower Upper
113 100
55 177.6 154.4 194.4
56 134.9 112.1 152.1



#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

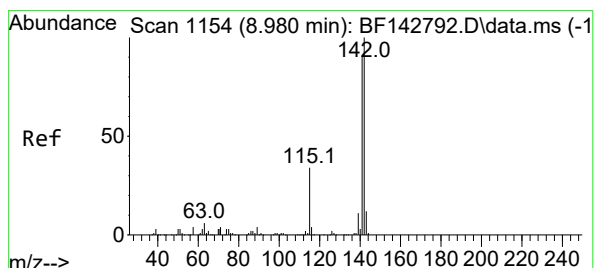
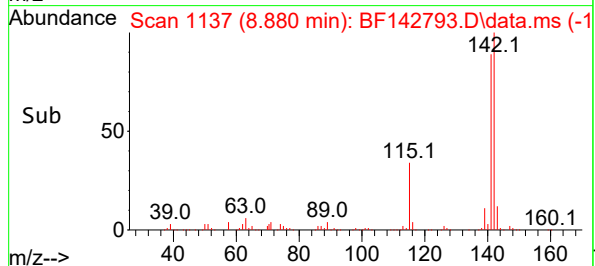
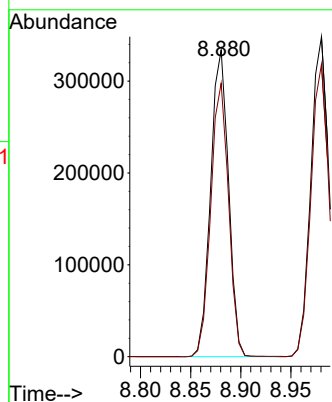
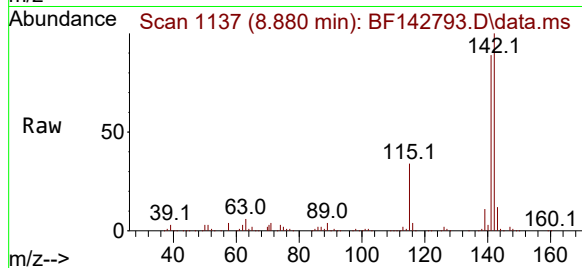




#37
2-Methylnaphthalene
Concen: 50.859 ng
RT: 8.880 min Scan# 1137
Delta R.T. -0.000 min
Lab File: BF142793.D
Acq: 19 Jun 2025 19:40

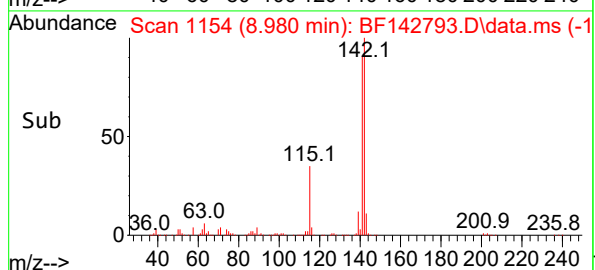
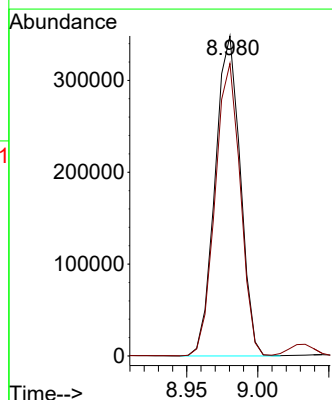
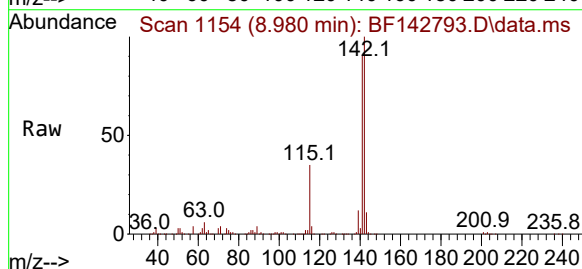
Instrument :
BNA_F
ClientSampleId :
SSTDICC050

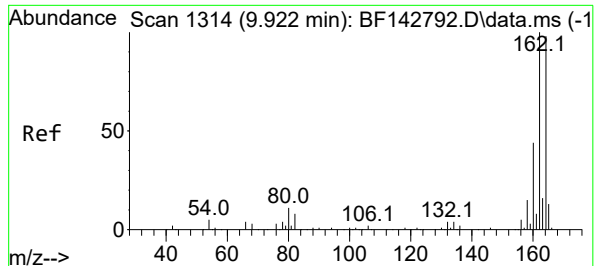
Tgt Ion:142 Resp: 414854
Ion Ratio Lower Upper
142 100
141 89.1 70.9 106.3



#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

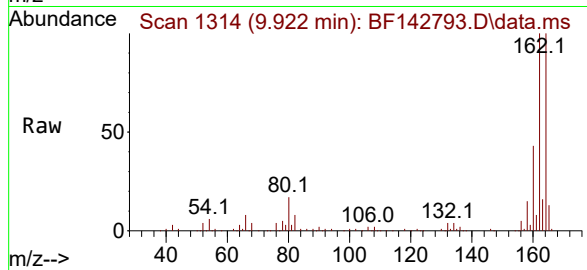
Acq: 19 Jun 2025 19:40

Instrument :

BNA_F

ClientSampleId :

SSTDICC050



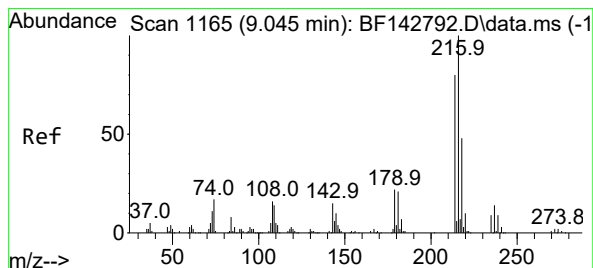
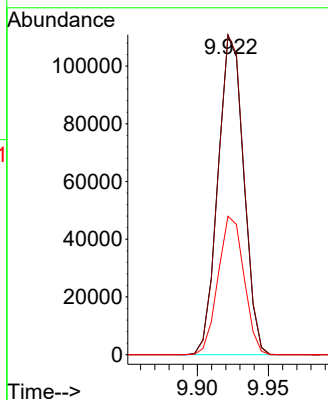
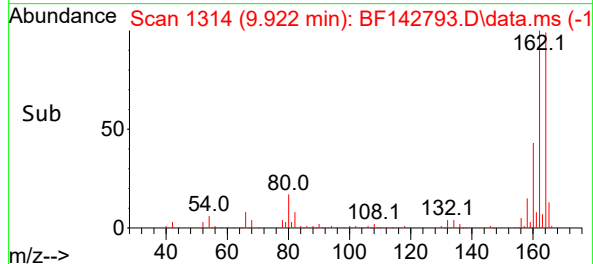
Tgt Ion:164 Resp: 139156

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

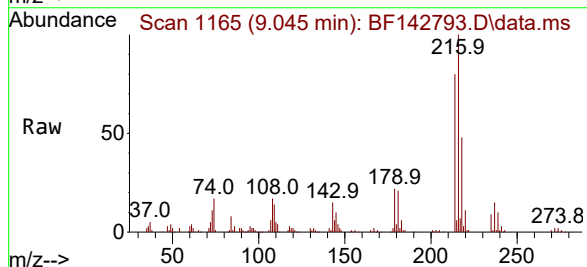
Concen: 51.779 ng

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

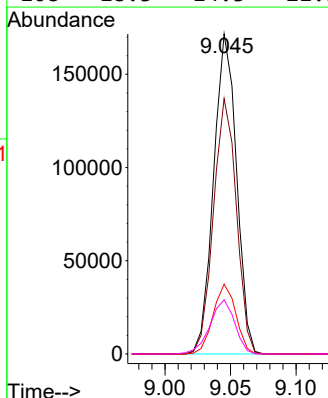
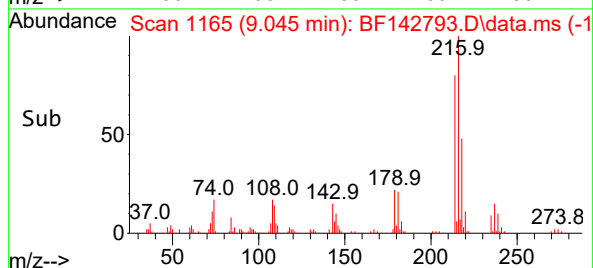
Ion Ratio Lower Upper

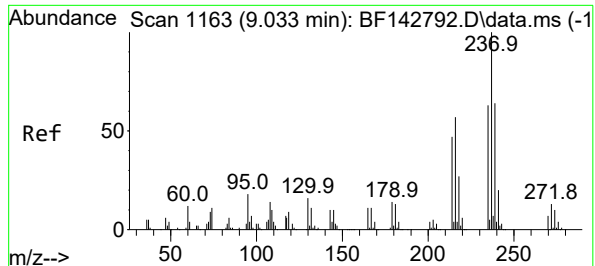
216 100

214 79.7 63.7 95.5

179 21.6 17.6 26.4

108 18.3 14.3 21.5

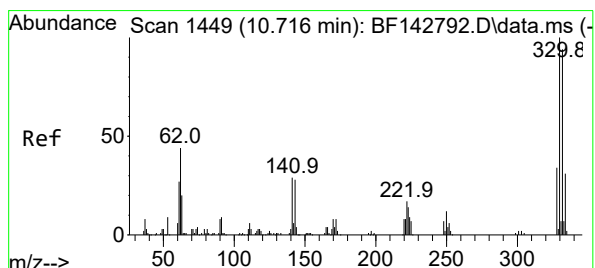
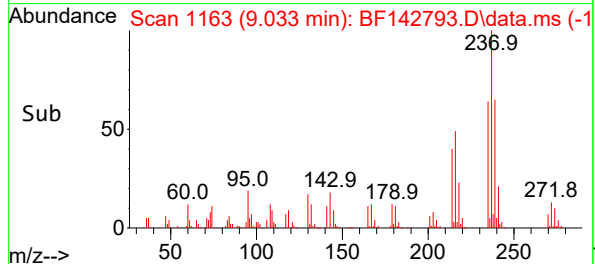
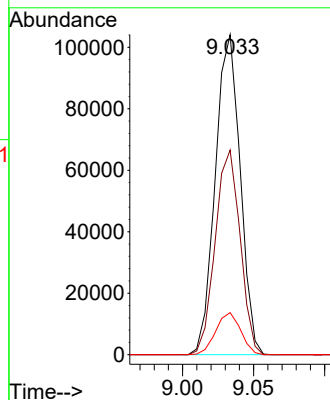
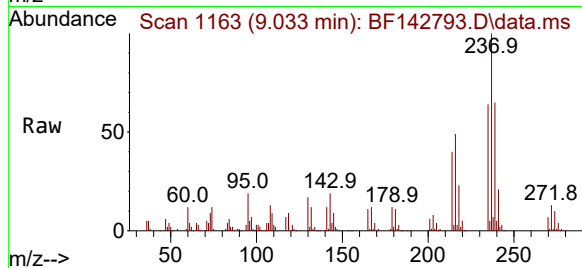




#41
Hexachlorocyclopentadiene
Concen: 50.012 ng
RT: 9.033 min Scan# 1163
Delta R.T. -0.000 min
Lab File: BF142793.D
Acq: 19 Jun 2025 19:40

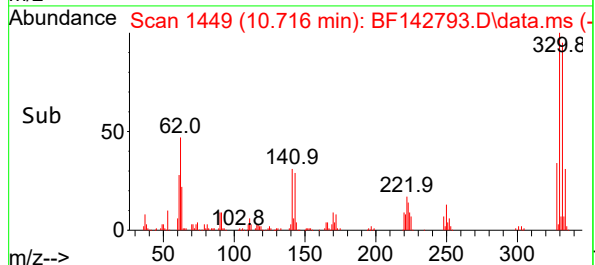
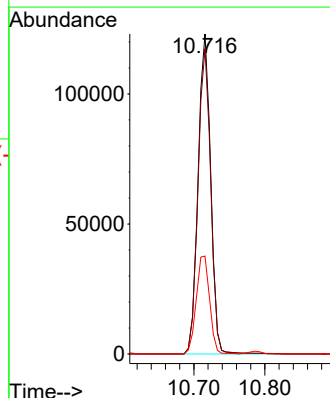
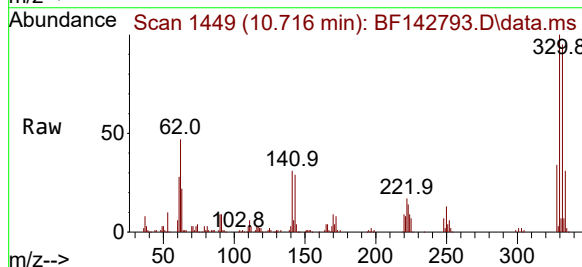
Instrument :
BNA_F
ClientSampleId :
SSTDICC050

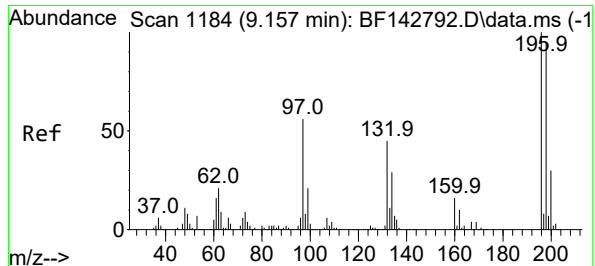
Tgt Ion:237 Resp: 127033
Ion Ratio Lower Upper
237 100
235 64.0 43.4 83.4
272 13.2 0.0 32.7



#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

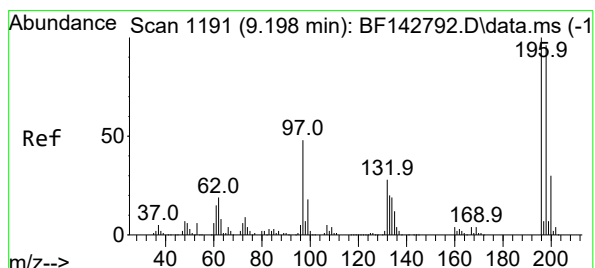
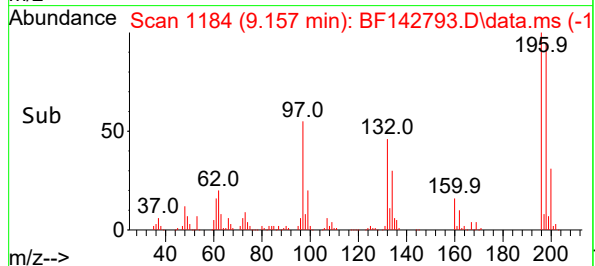
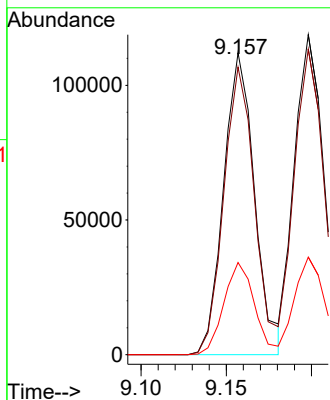
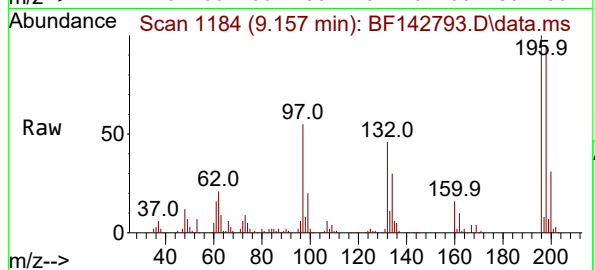
Tgt Ion:196 Resp: 141932

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

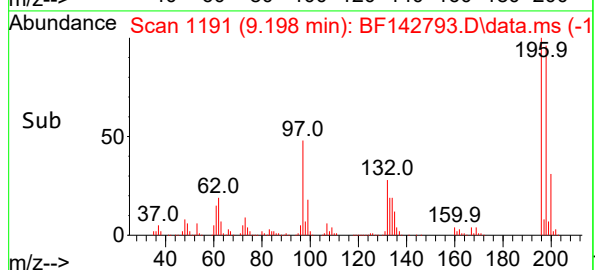
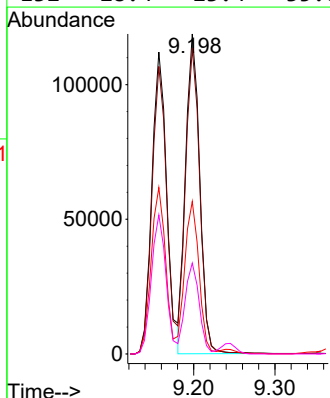
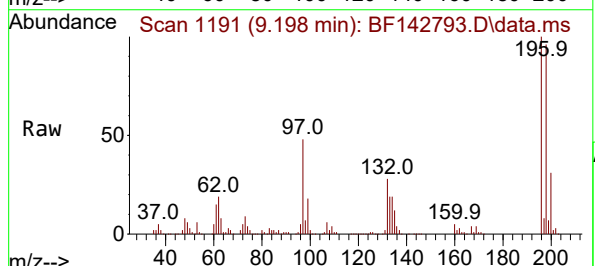
Ion Ratio Lower Upper

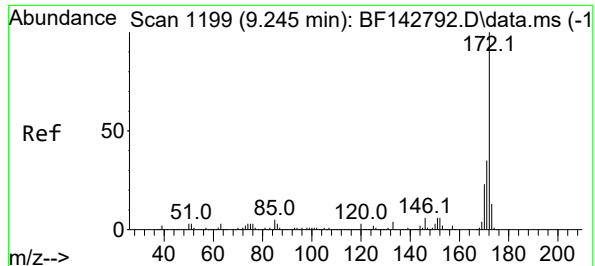
196 100

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

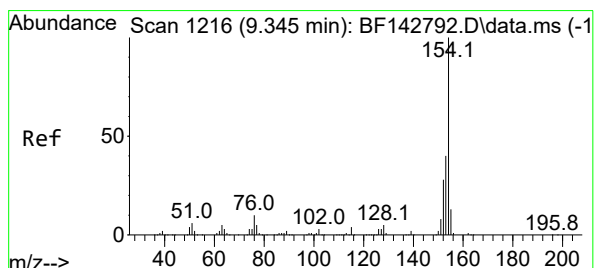
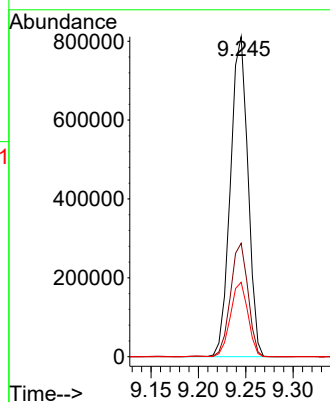
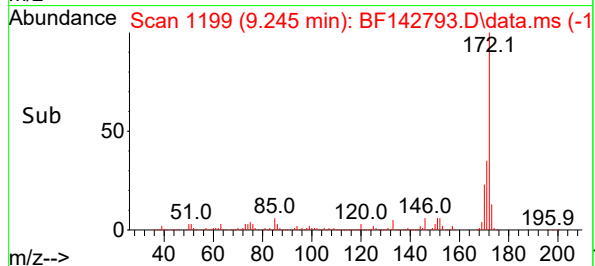
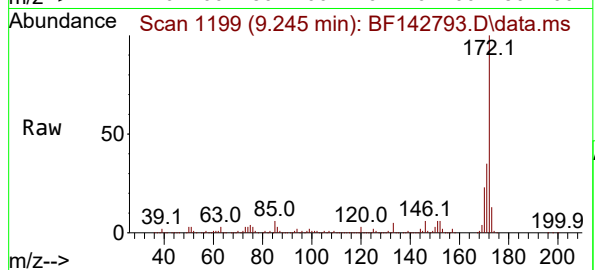
Tgt Ion:172 Resp: 1043477

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

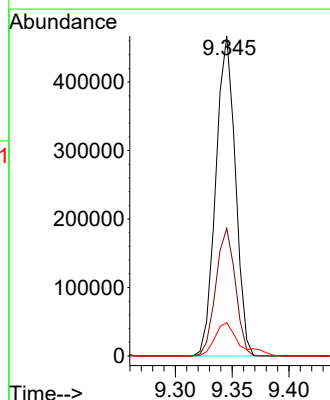
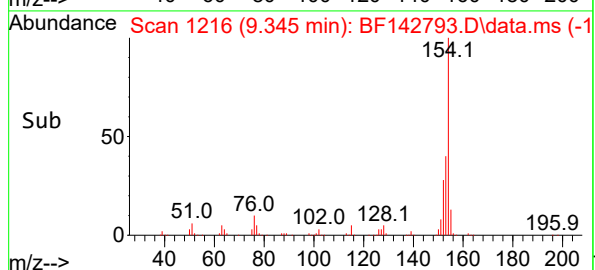
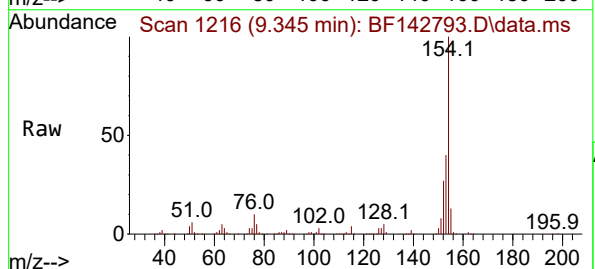
Tgt Ion:154 Resp: 559765

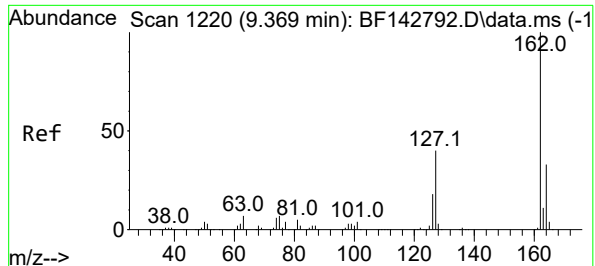
Ion Ratio Lower Upper

154 100

153 39.8 20.3 60.3

76 10.4 0.0 30.3

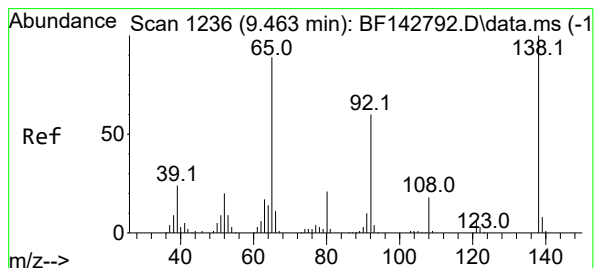
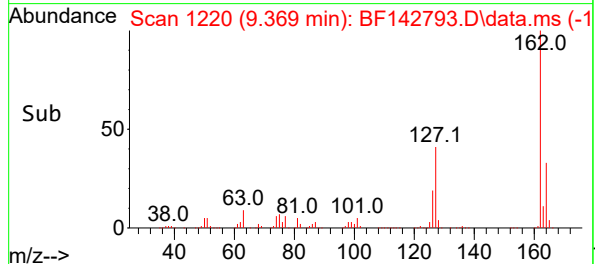
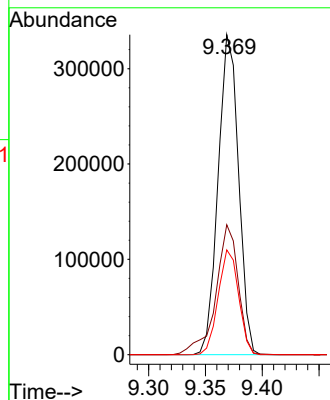
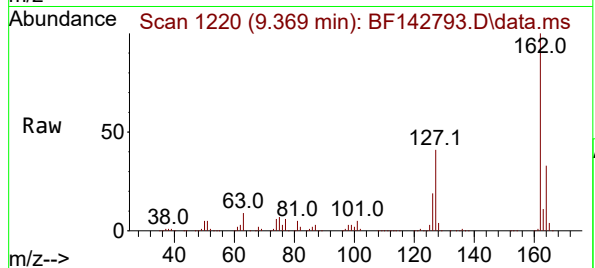




#47
2-Chloronaphthalene
Concen: 52.754 ng
RT: 9.369 min Scan# 1220
Delta R.T. -0.000 min
Lab File: BF142793.D
Acq: 19 Jun 2025 19:40

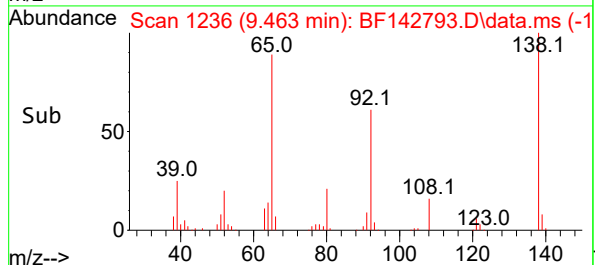
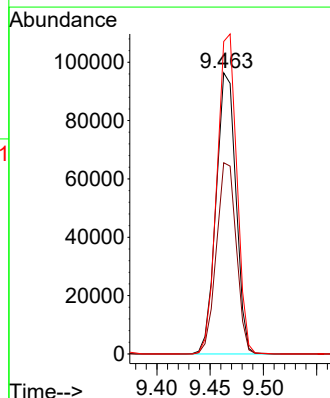
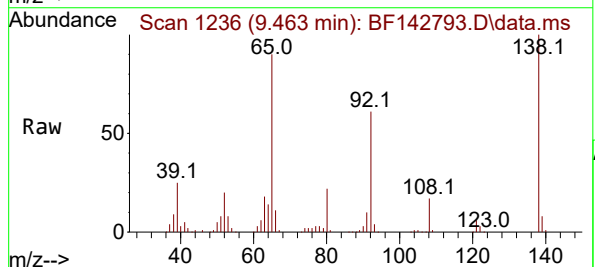
Instrument :
BNA_F
ClientSampleId :
SSTDICC050

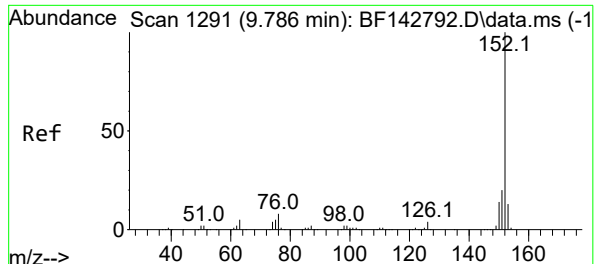
Tgt Ion:162 Resp: 420603
Ion Ratio Lower Upper
162 100
127 40.6 32.2 48.2
164 32.7 26.1 39.1



#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

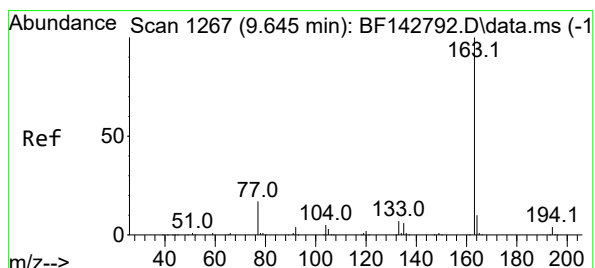
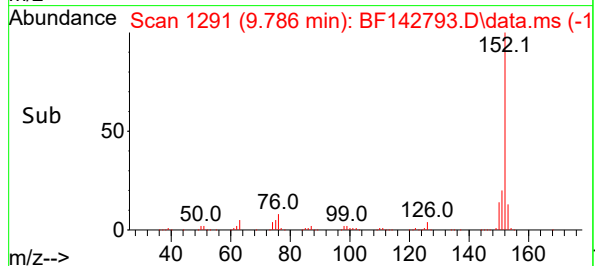
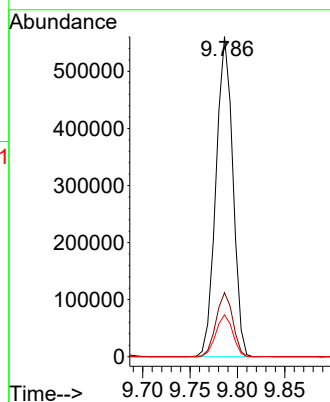
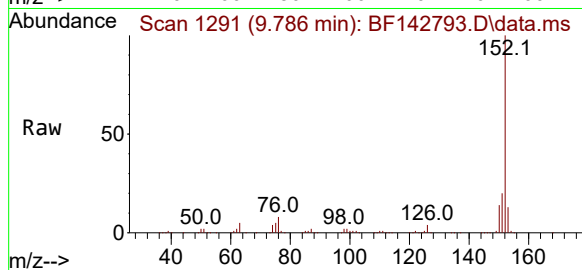
Tgt Ion:152 Resp: 694098

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

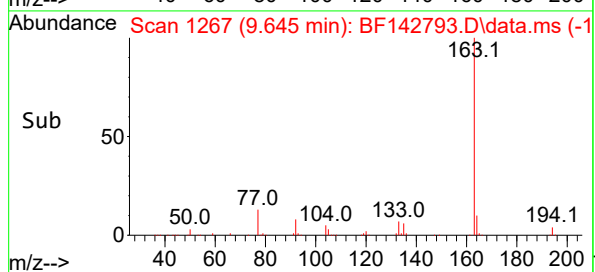
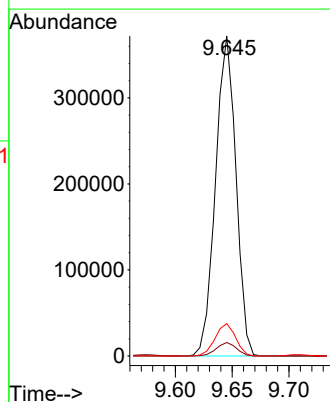
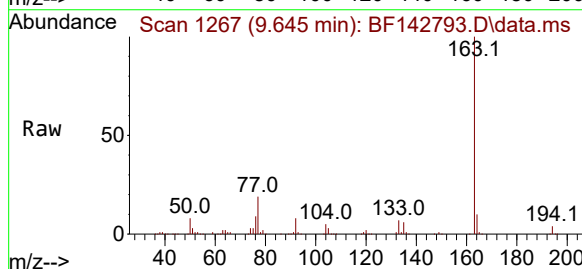
Tgt Ion:163 Resp: 464372

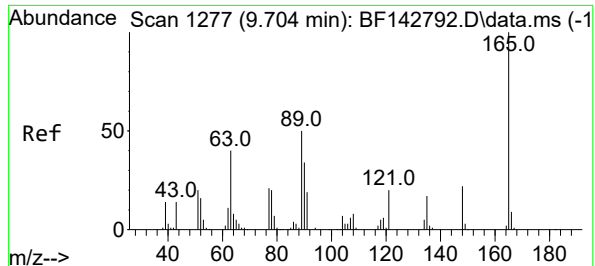
Ion Ratio Lower Upper

163 100

194 4.2 3.3 4.9

164 10.1 8.0 12.0

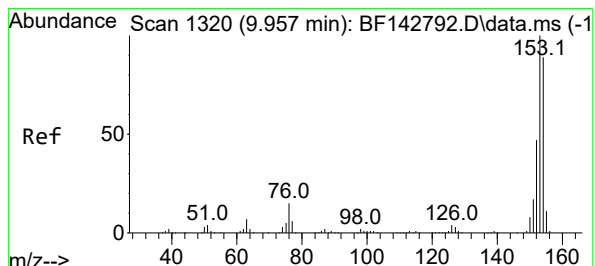
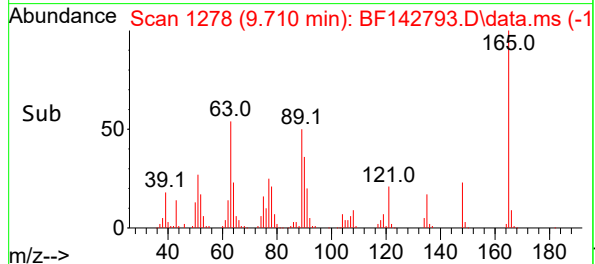
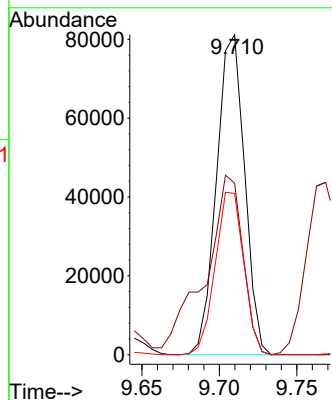
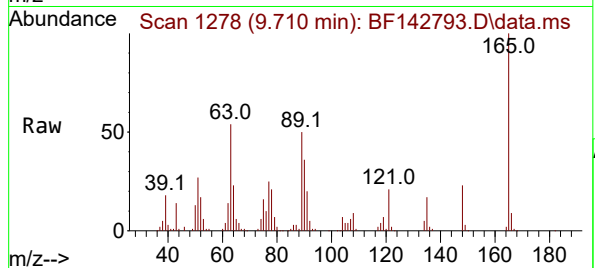




#51
2,6-Dinitrotoluene
Concen: 51.156 ng
RT: 9.710 min Scan# 1277
Delta R.T. 0.006 min
Lab File: BF142793.D
Acq: 19 Jun 2025 19:40

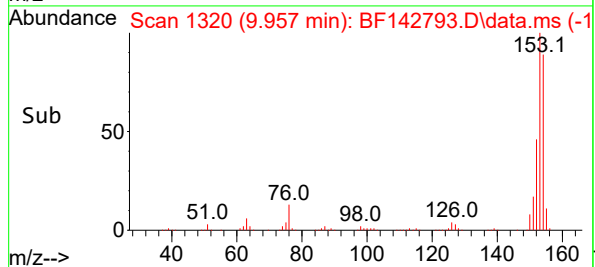
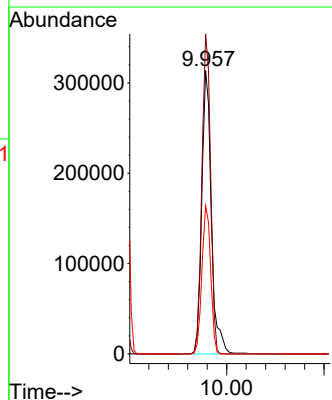
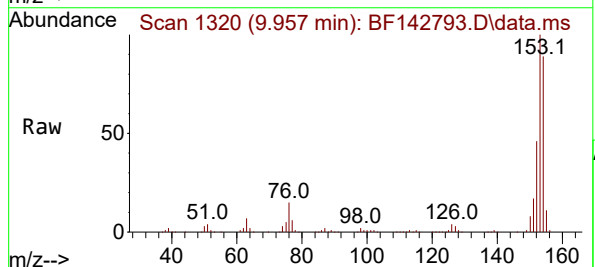
Instrument :
BNA_F
ClientSampleId :
SSTDICC050

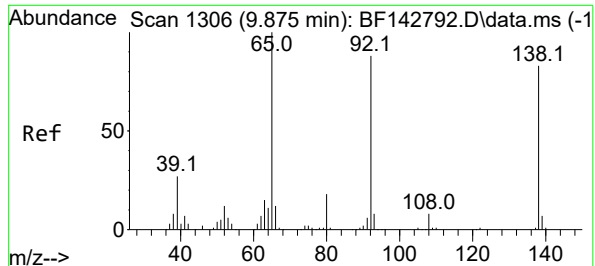
Tgt Ion:165 Resp: 102361
Ion Ratio Lower Upper
165 100
63 53.6 44.2 66.4
89 50.4 39.8 59.8



#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

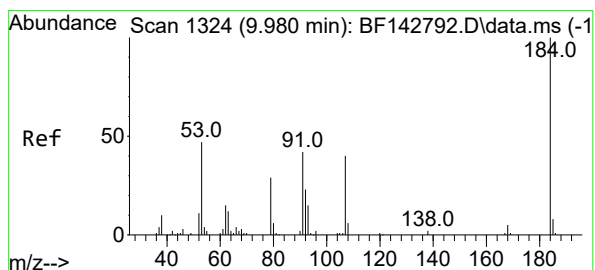
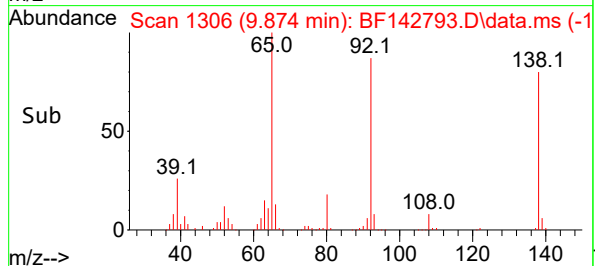
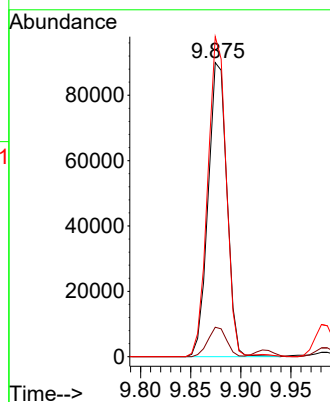
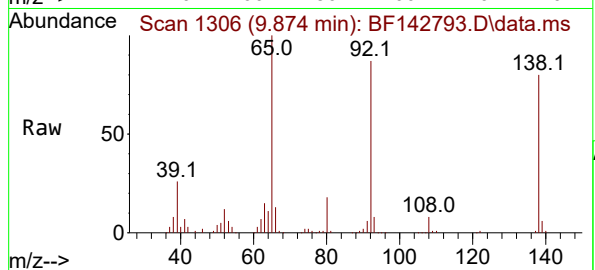
Tgt Ion:138 Resp: 117448

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

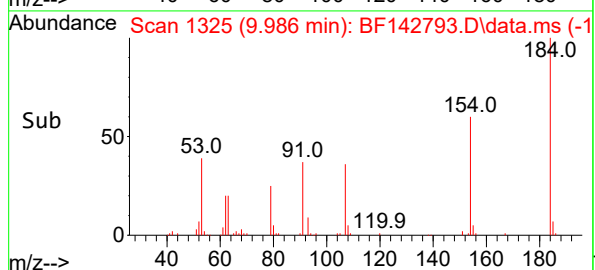
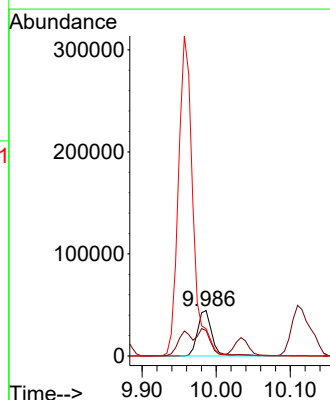
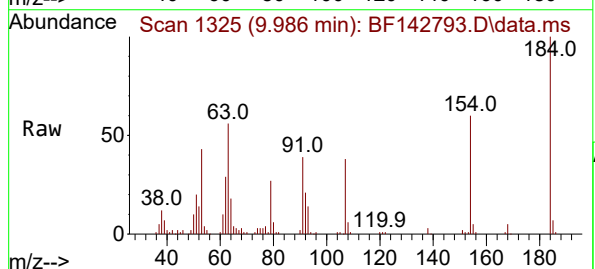
Tgt Ion:184 Resp: 60308

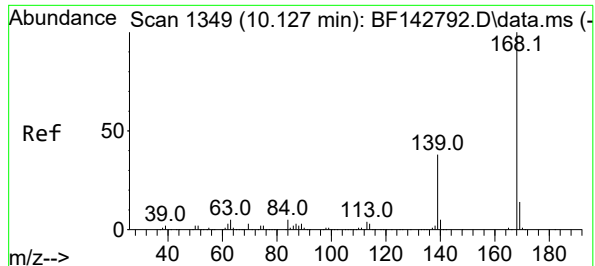
Ion Ratio Lower Upper

184 100

63 56.0 50.6 75.8

154 59.9 51.8 77.8

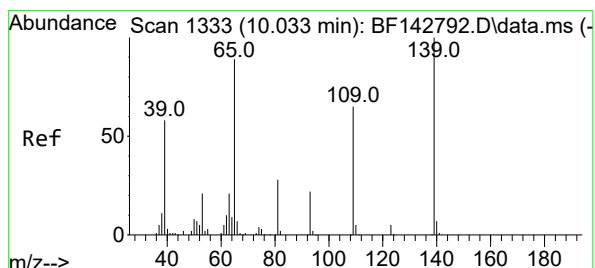
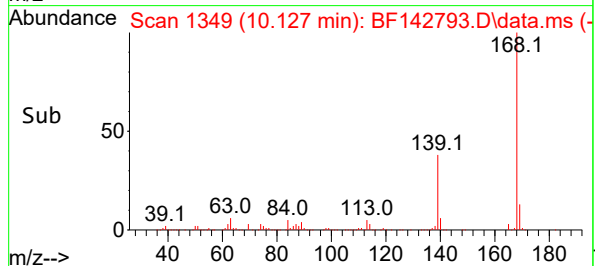
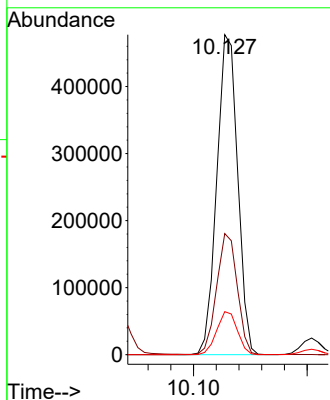
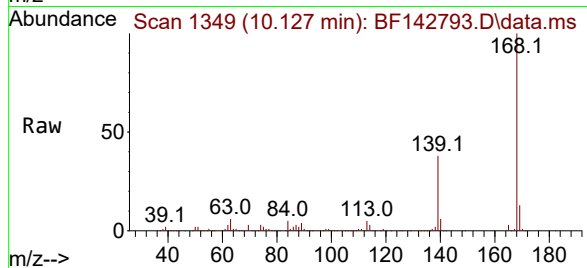




#55
Dibenzenofuran
Concen: 51.506 ng
RT: 10.127 min Scan# 1349
Delta R.T. -0.000 min
Lab File: BF142793.D
Acq: 19 Jun 2025 19:40

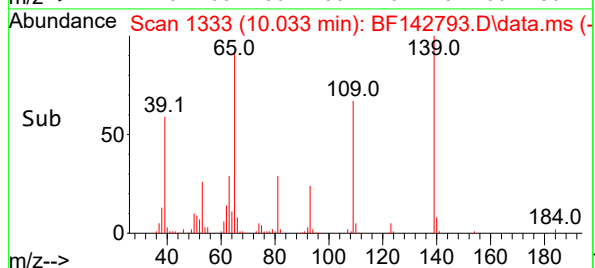
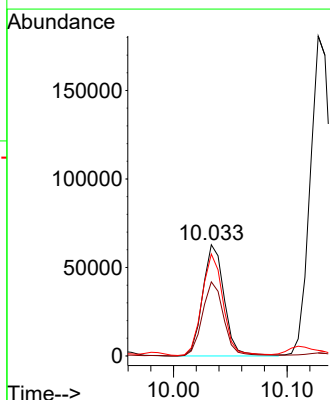
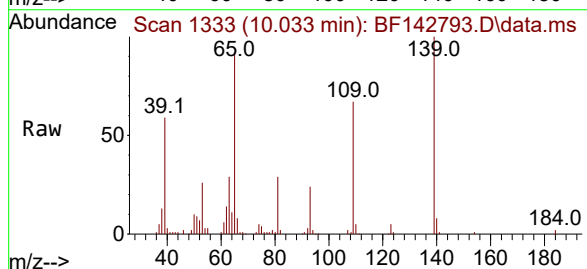
Instrument :
BNA_F
ClientSampleId :
SSTDICC050

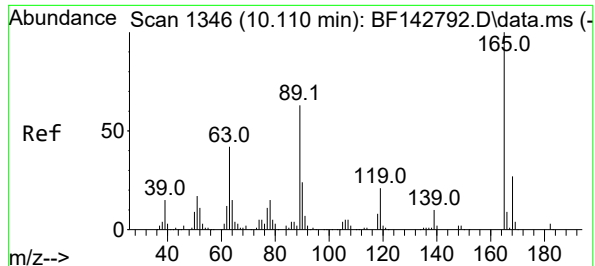
Tgt Ion:168 Resp: 609507
Ion Ratio Lower Upper
168 100
139 37.9 30.2 45.4
169 13.4 10.8 16.2



#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

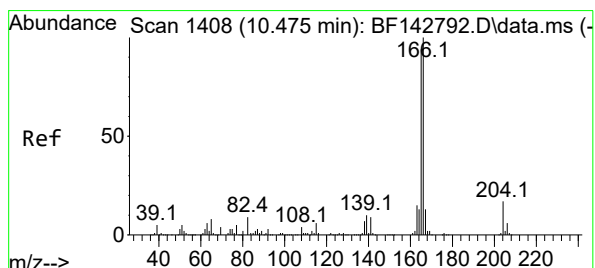
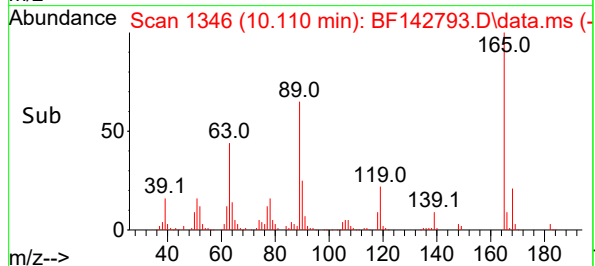
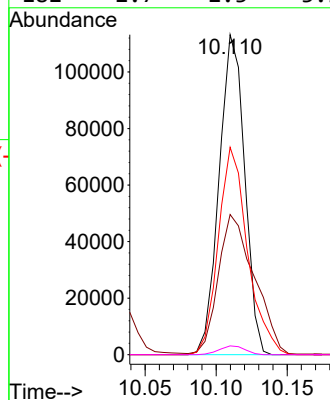
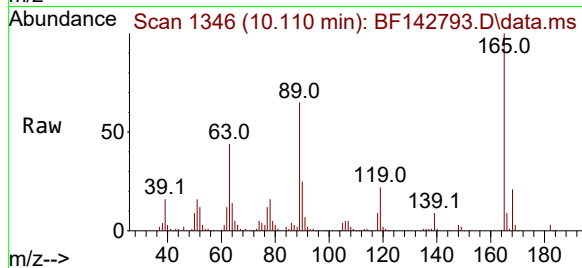




#57
2,4-Dinitrotoluene
Concen: 53.554 ng
RT: 10.110 min Scan# 11
Delta R.T. -0.000 min
Lab File: BF142793.D
Acq: 19 Jun 2025 19:40

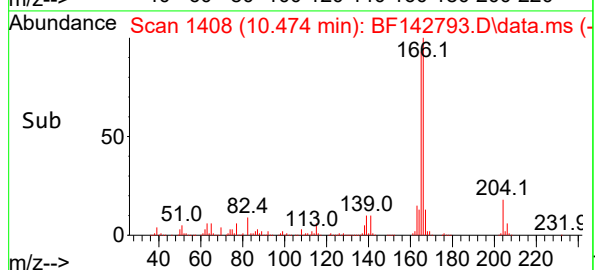
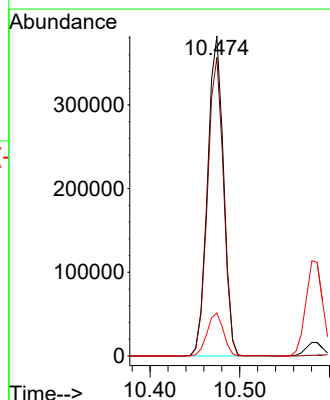
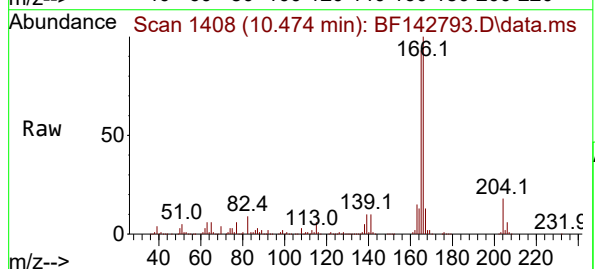
Instrument :
BNA_F
ClientSampleId :
SSTDICC050

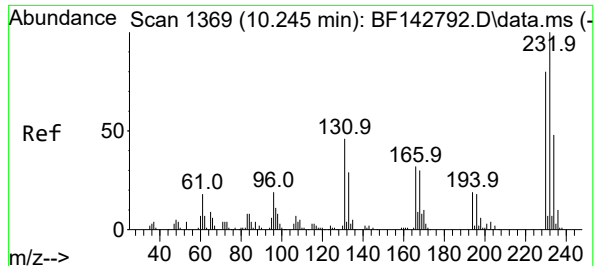
Tgt Ion:165 Resp: 141691
Ion Ratio Lower Upper
165 100
63 43.8 33.9 50.9
89 64.8 50.6 75.8
182 2.7 2.3 3.5



#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

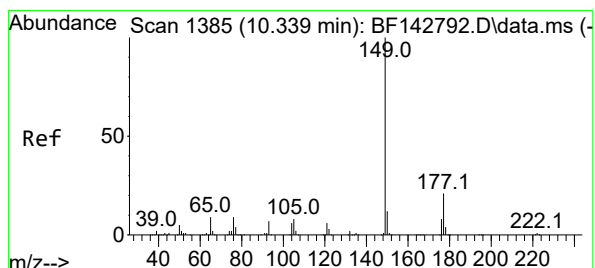
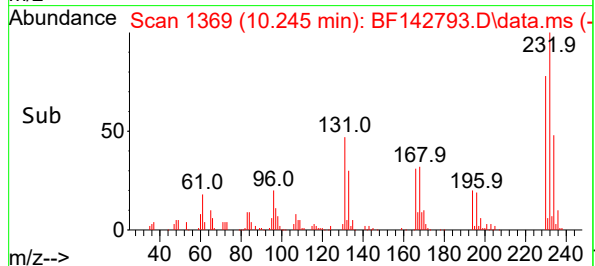
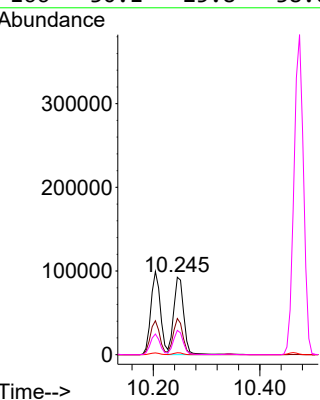
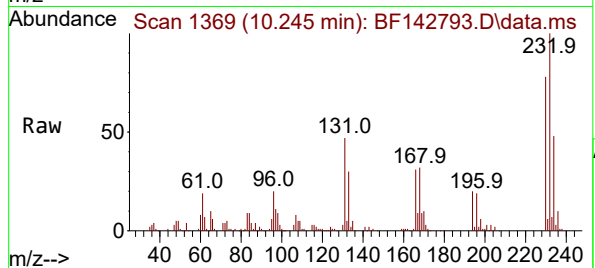




#59
2,3,4,6-Tetrachlorophenol
Concen: 50.988 ng
RT: 10.245 min Scan# 1369
Delta R.T. -0.000 min
Lab File: BF142793.D
Acq: 19 Jun 2025 19:40

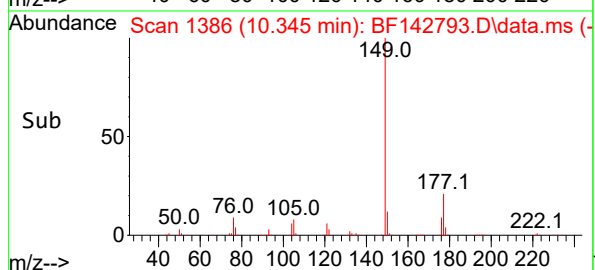
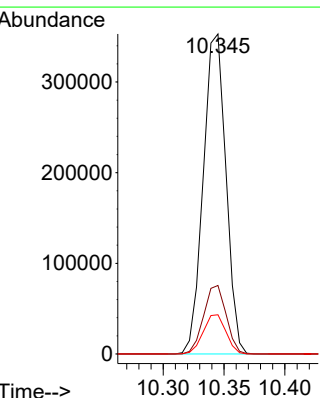
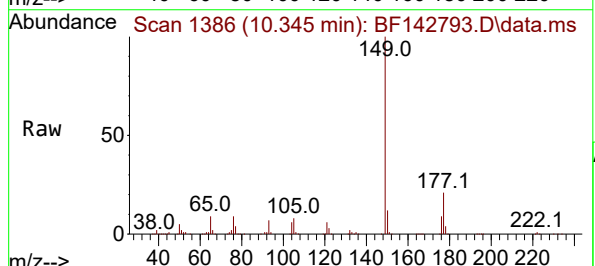
Instrument :
BNA_F
ClientSampleId :
SSTDICC050

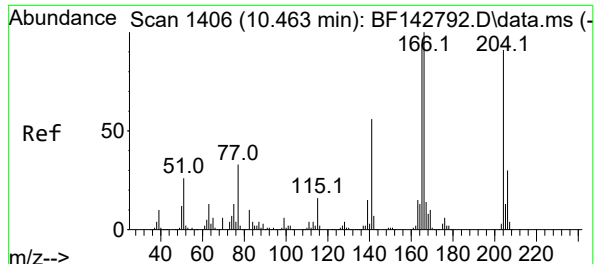
Tgt Ion:232 Resp: 120008
Ion Ratio Lower Upper
232 100
131 44.8 37.6 56.4
130 2.3 1.7 2.5
166 30.1 25.8 38.6



#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

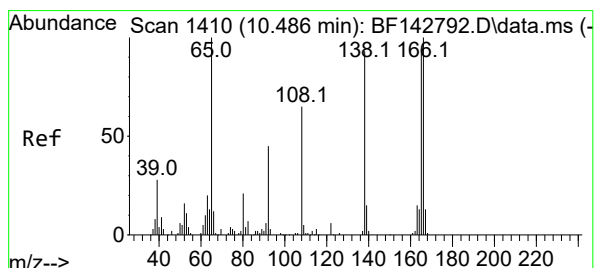
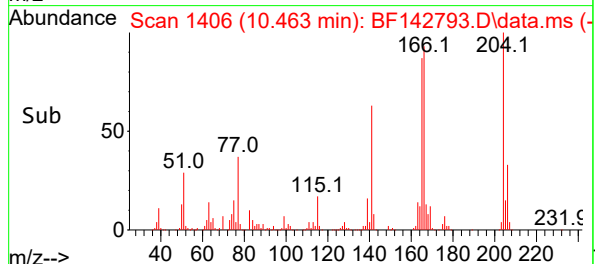
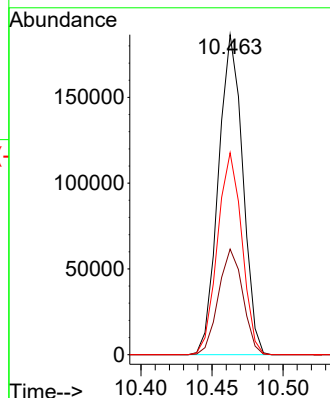
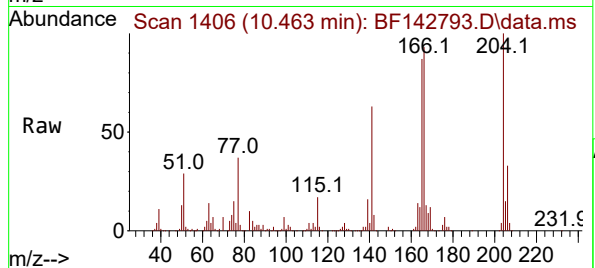




#61
4-Chlorophenyl-phenylether
Concen: 49.076 ng
RT: 10.463 min Scan# 1406
Delta R.T. -0.000 min
Lab File: BF142793.D
Acq: 19 Jun 2025 19:40

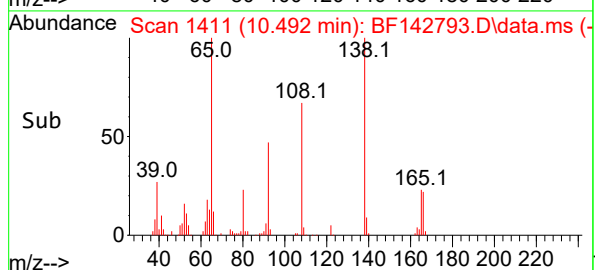
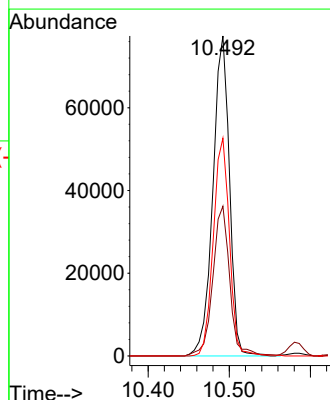
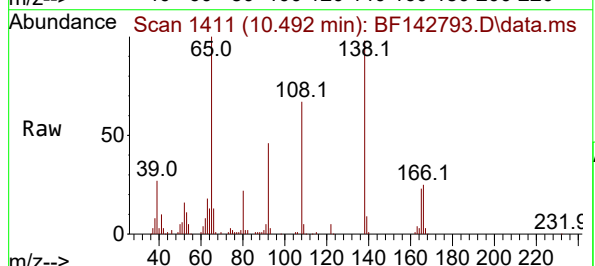
Instrument :
BNA_F
ClientSampleId :
SSTDICC050

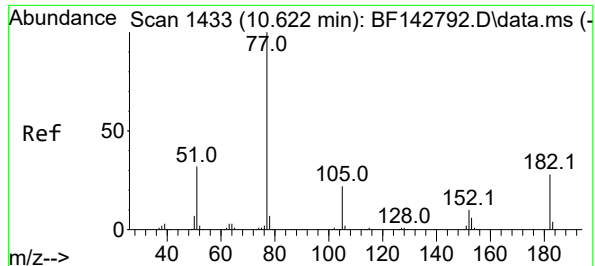
Tgt Ion:204 Resp: 222613
Ion Ratio Lower Upper
204 100
206 33.0 26.3 39.5
141 63.1 49.1 73.7



#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

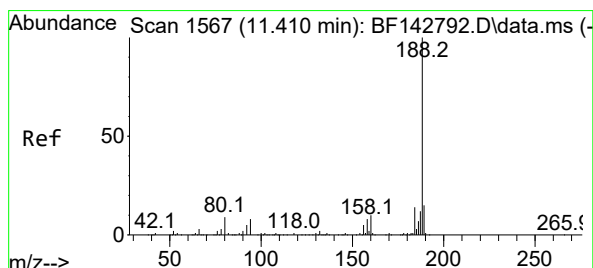
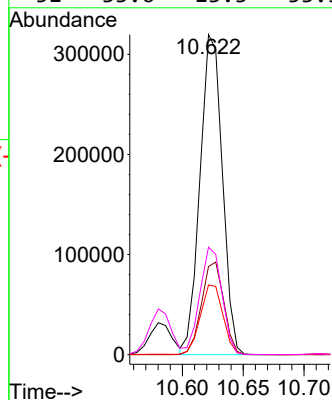
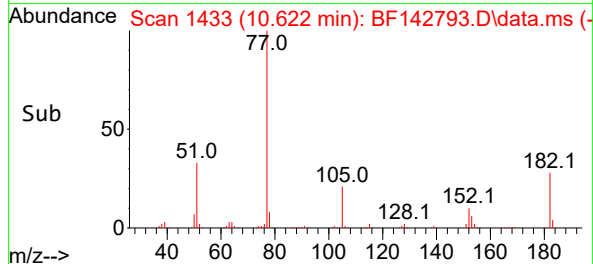
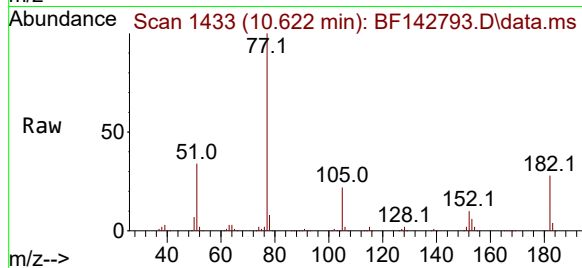




#63
Azobenzene
Concen: 51.063 ng
RT: 10.622 min Scan# 1433
Delta R.T. -0.000 min
Lab File: BF142793.D
Acq: 19 Jun 2025 19:40

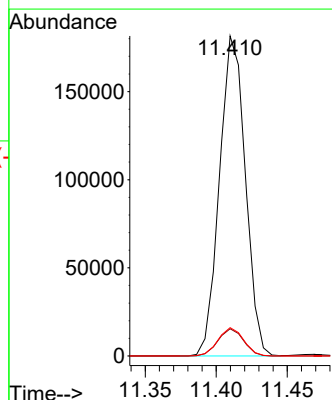
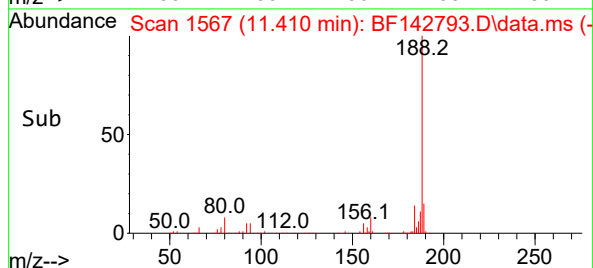
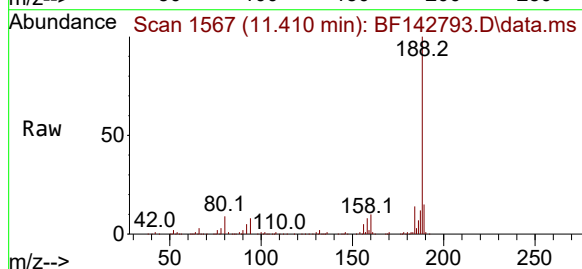
Instrument :
BNA_F
ClientSampleId :
SSTDICC050

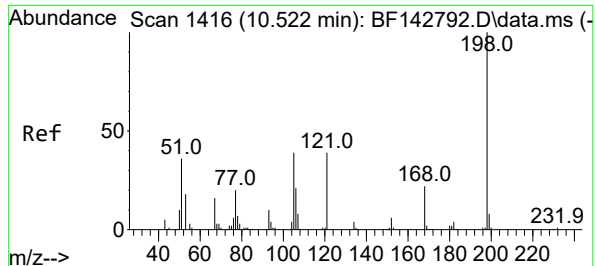
Tgt Ion:	77	Resp:	409164
Ion	Ratio	Lower	Upper
77	100		
182	27.5	7.7	47.7
105	21.8	1.9	41.9
51	33.6	13.3	53.3



#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:	188	Resp:	229780
Ion	Ratio	Lower	Upper
188	100		
94	8.5	6.7	10.1
80	8.9	6.9	10.3

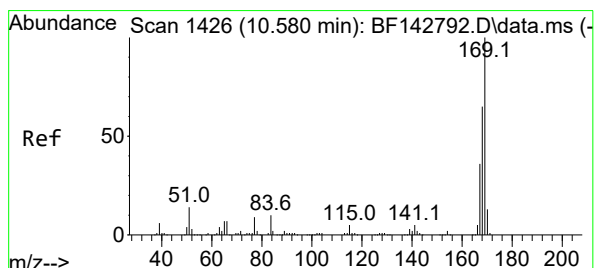
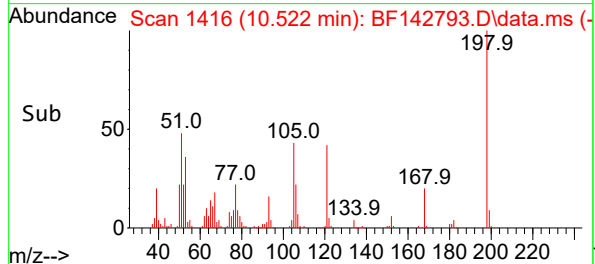
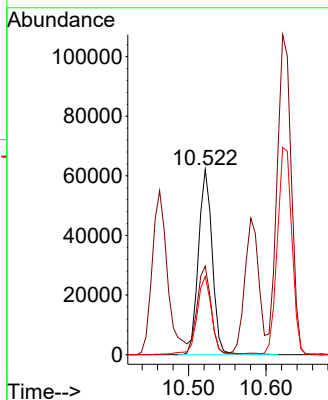
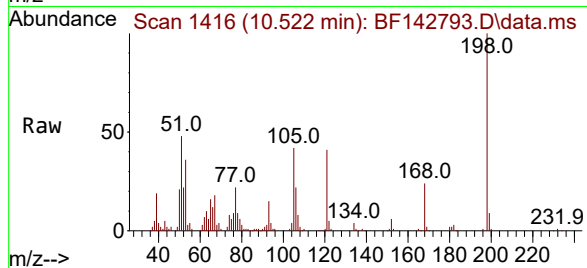




#65
4,6-Dinitro-2-methylphenol
Concen: 53.713 ng
RT: 10.522 min Scan# 1416
Delta R.T. -0.000 min
Lab File: BF142793.D
Acq: 19 Jun 2025 19:40

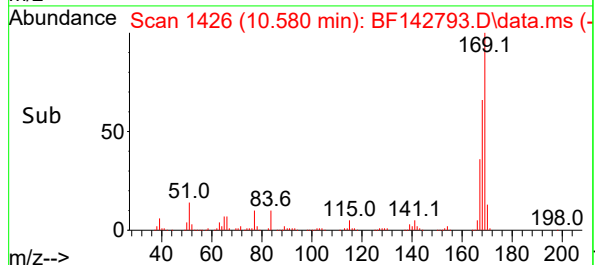
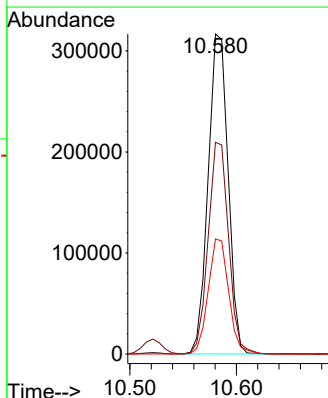
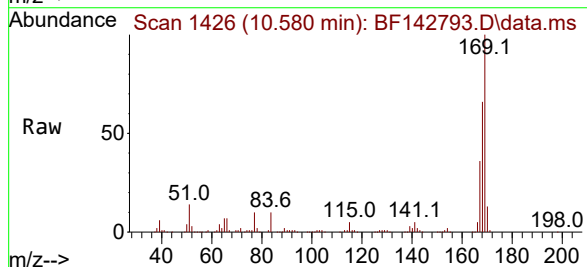
Instrument :
BNA_F
ClientSampleId :
SSTDICC050

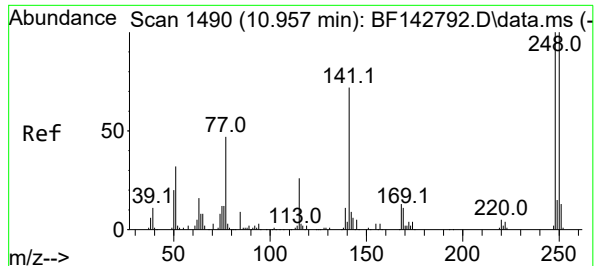
Tgt Ion:198 Resp: 76696
Ion Ratio Lower Upper
198 100
51 47.9 25.4 65.4
105 42.3 20.4 60.4



#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

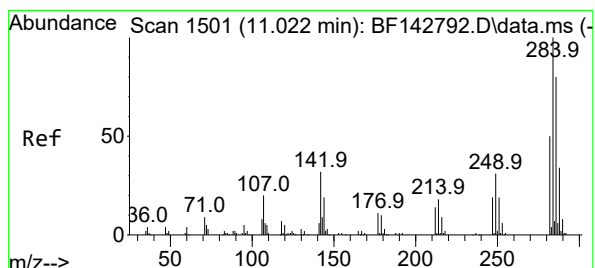
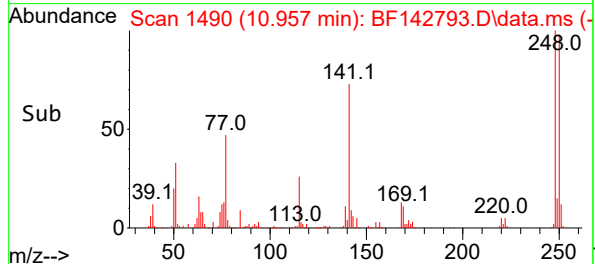
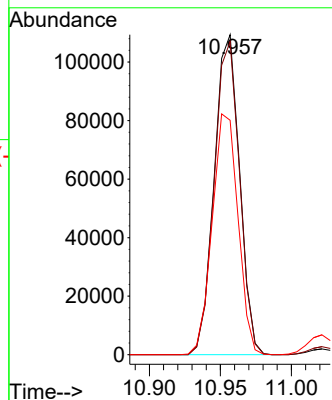
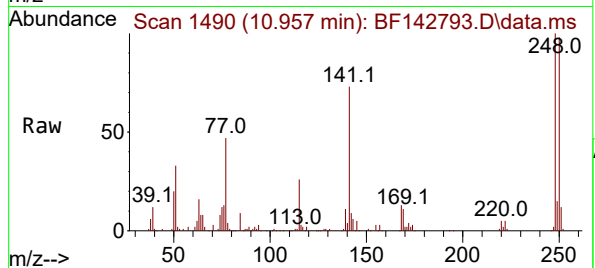




#67
4-Bromophenyl-phenylether
Concen: 50.425 ng
RT: 10.957 min Scan# 1490
Delta R.T. -0.000 min
Lab File: BF142793.D
Acq: 19 Jun 2025 19:40

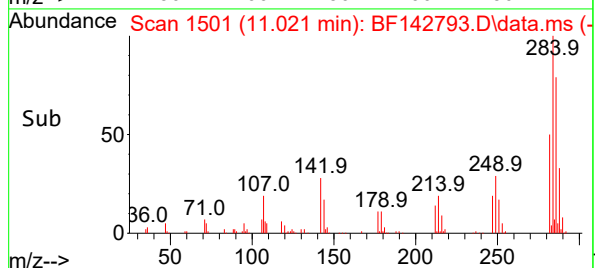
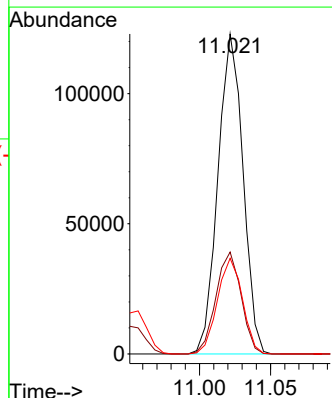
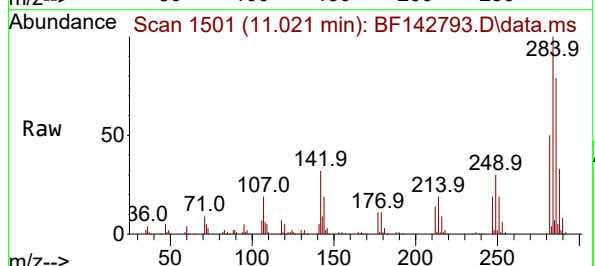
Instrument :
BNA_F
ClientSampleId :
SSTDICC050

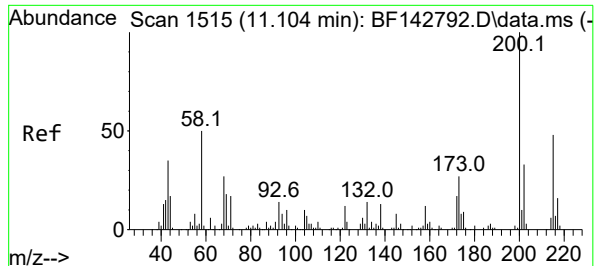
Tgt Ion:248 Resp: 135699
Ion Ratio Lower Upper
248 100
250 97.8 79.8 119.8
141 73.3 57.8 86.6



#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

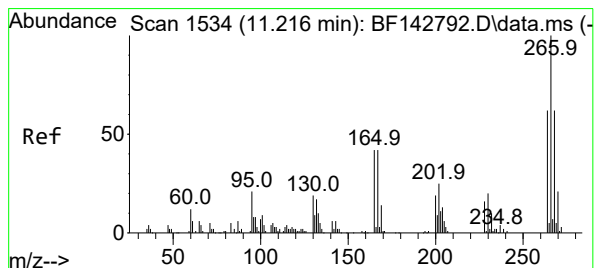
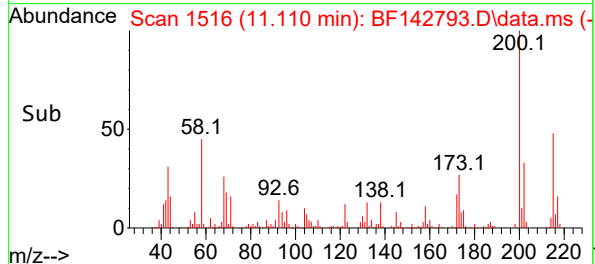
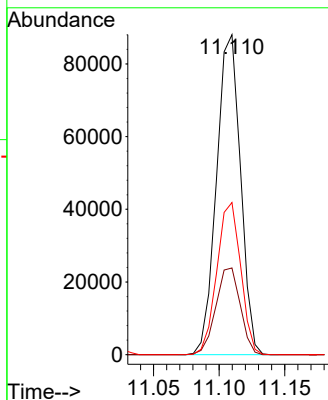
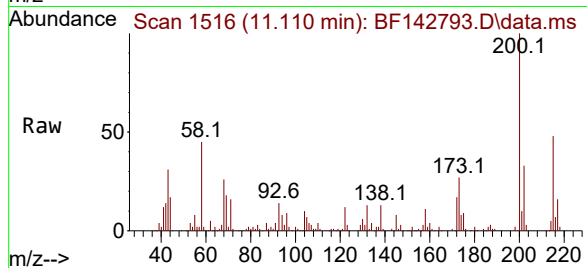




#69
Atrazine
Concen: 53.385 ng
RT: 11.110 min Scan# 1516
Delta R.T. 0.006 min
Lab File: BF142793.D
Acq: 19 Jun 2025 19:40

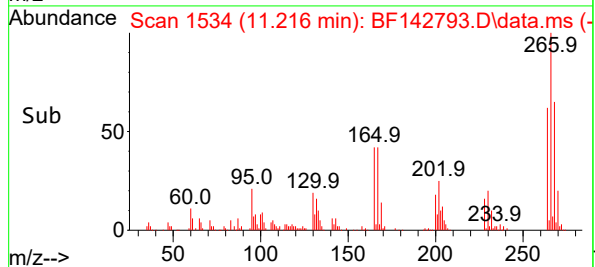
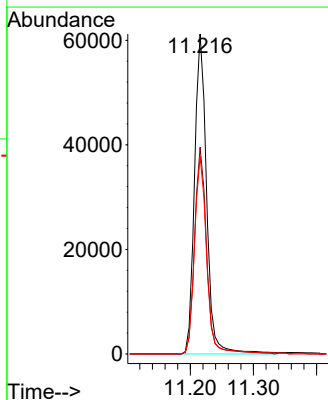
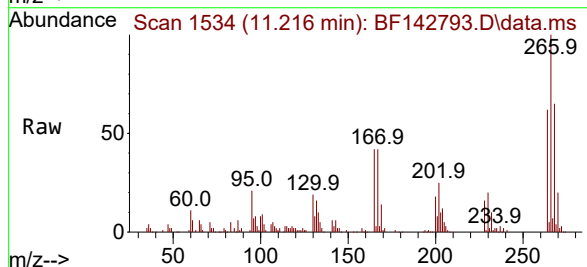
Instrument :
BNA_F
ClientSampleId :
SSTDIC050

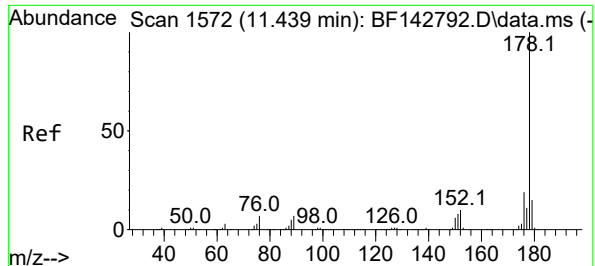
Tgt Ion:200 Resp: 111915
Ion Ratio Lower Upper
200 100
173 27.1 7.4 47.4
215 47.5 28.4 68.4



#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

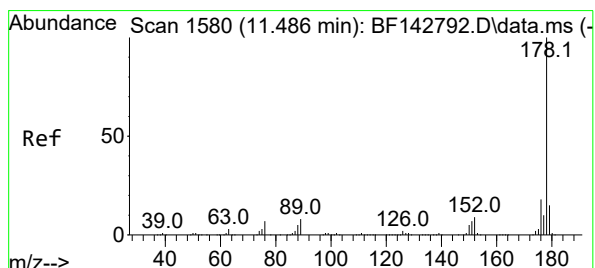
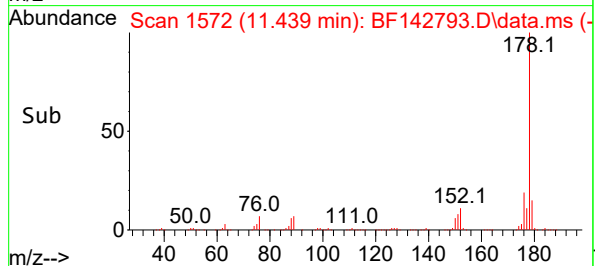
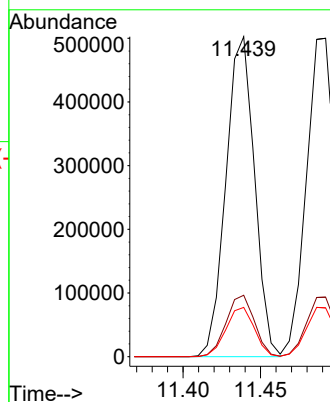
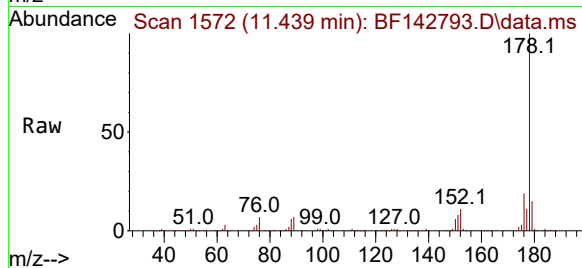




#71
Phenanthrene
Concen: 52.403 ng
RT: 11.439 min Scan# 1572
Delta R.T. -0.000 min
Lab File: BF142793.D
Acq: 19 Jun 2025 19:40

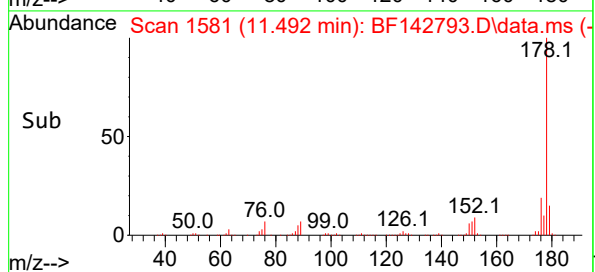
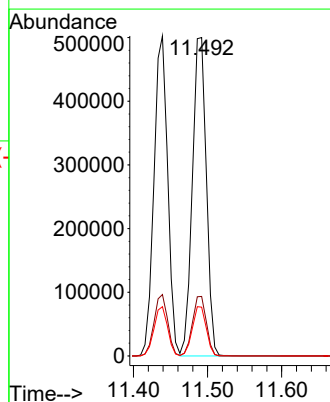
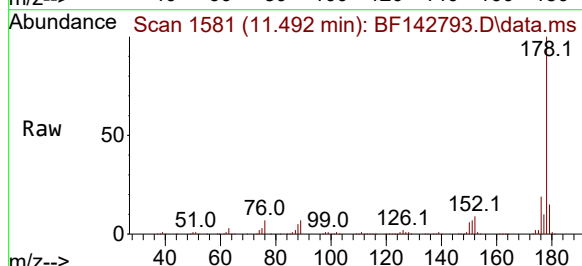
Instrument :
BNA_F
ClientSampleId :
SSTDICC050

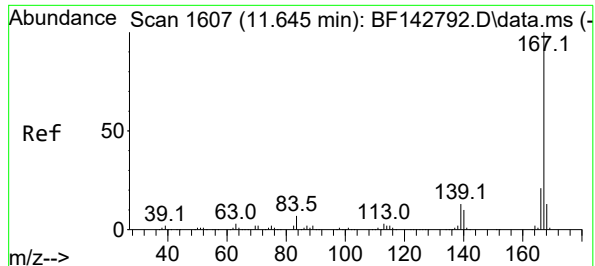
Tgt Ion:178 Resp: 644668
Ion Ratio Lower Upper
178 100
176 19.2 15.1 22.7
179 15.4 12.0 18.0



#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

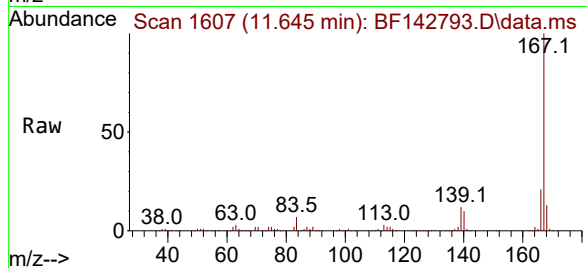
Tgt Ion:178 Resp: 654942
Ion Ratio Lower Upper
178 100
176 18.7 14.6 21.8
179 15.4 12.4 18.6



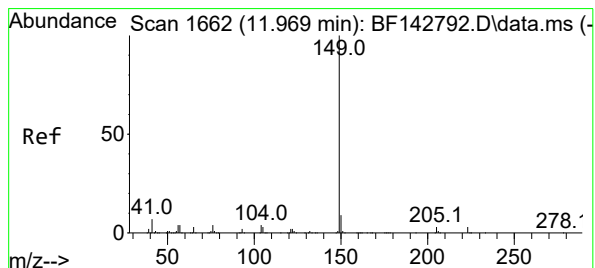
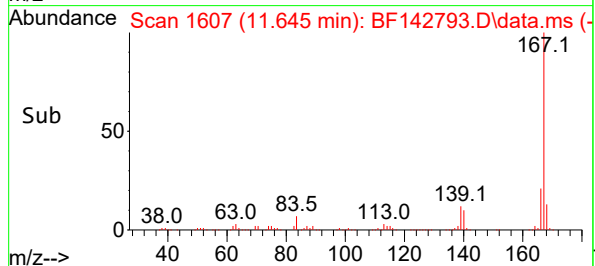
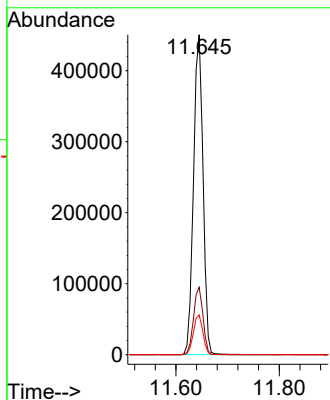


#73
Carbazole
Concen: 53.996 ng
RT: 11.645 min Scan# 1607
Delta R.T. -0.000 min
Lab File: BF142793.D
Acq: 19 Jun 2025 19:40

Instrument :
BNA_F
ClientSampleId :
SSTDICC050

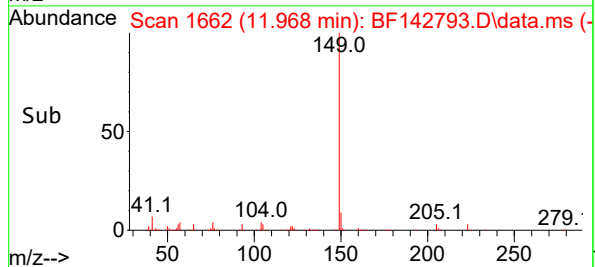
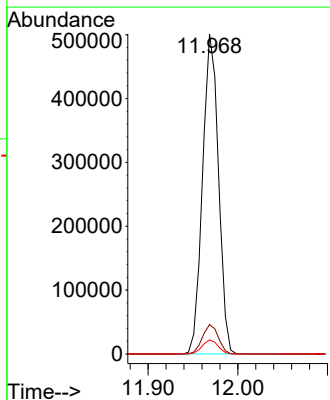
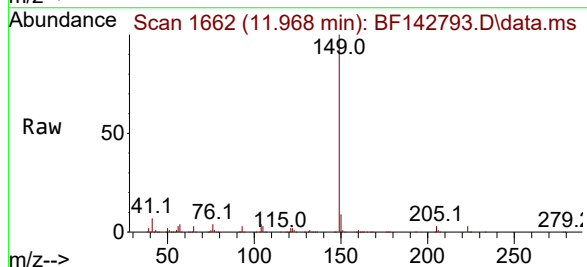


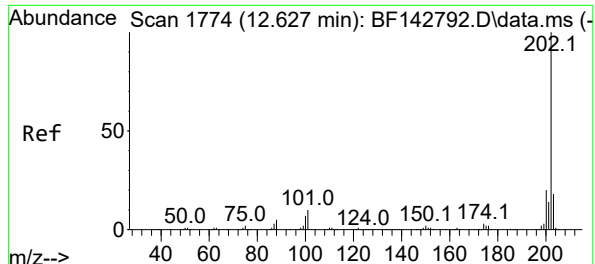
Tgt Ion:167 Resp: 575784
Ion Ratio Lower Upper
167 100
166 21.0 17.0 25.4
139 12.5 10.2 15.2



#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

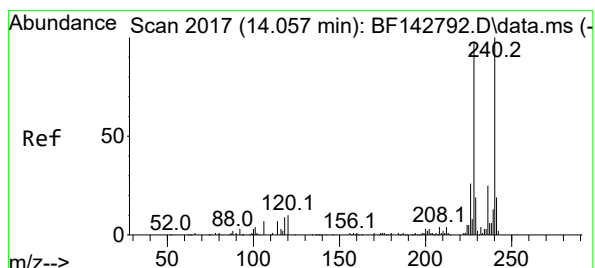
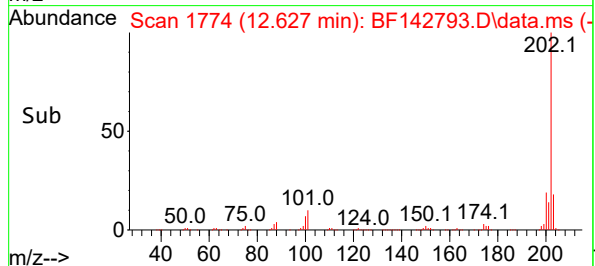
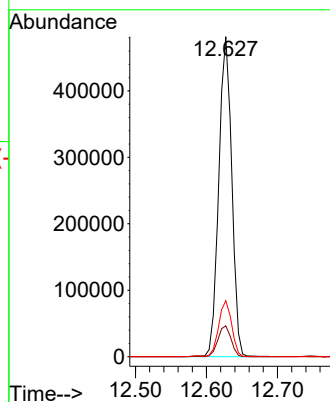
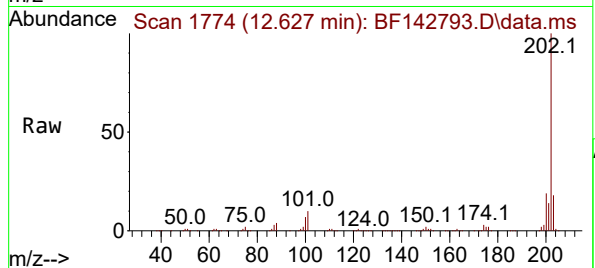




#75
Fluoranthene
Concen: 52.032 ng
RT: 12.627 min Scan# 11
Delta R.T. -0.000 min
Lab File: BF142793.D
Acq: 19 Jun 2025 19:40

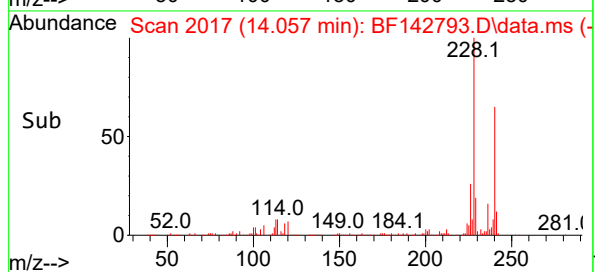
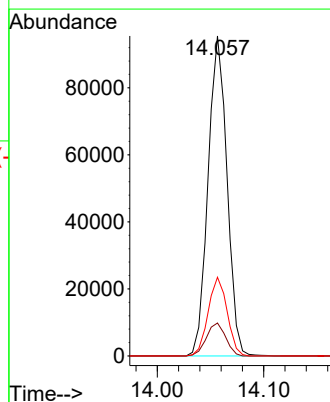
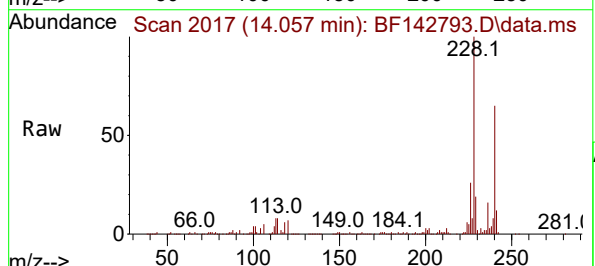
Instrument :
BNA_F
ClientSampleId :
SSTDICC050

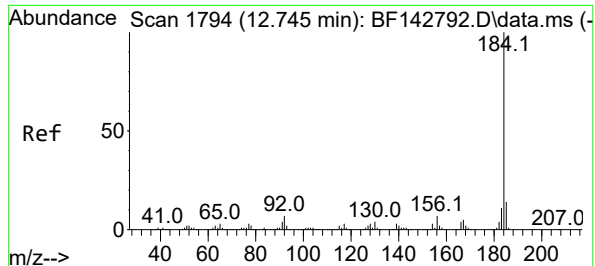
Tgt Ion:202 Resp: 608190
Ion Ratio Lower Upper
202 100
101 9.6 0.0 29.7
203 17.5 0.0 37.5



#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:240 Resp: 117825
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

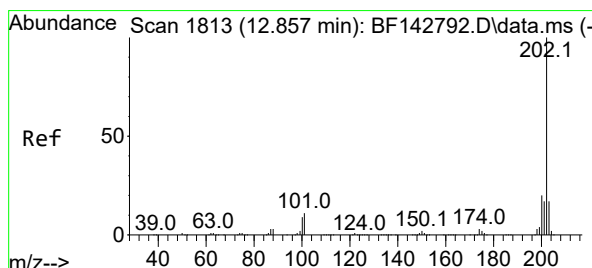
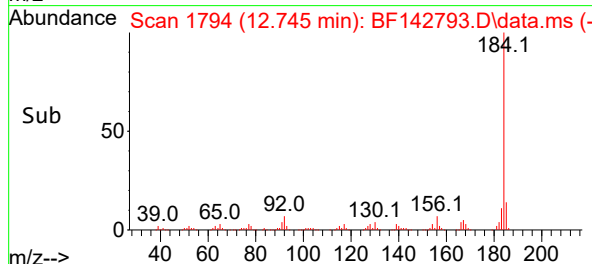
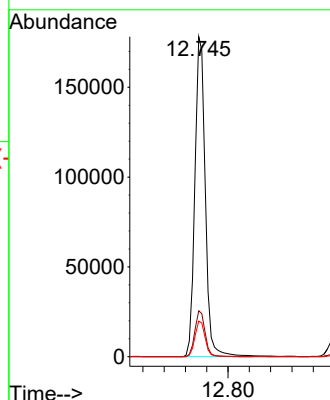
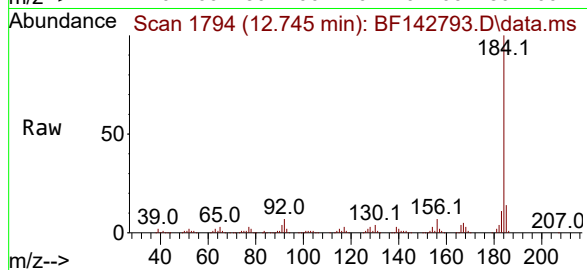
Tgt Ion:184 Resp: 242794

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

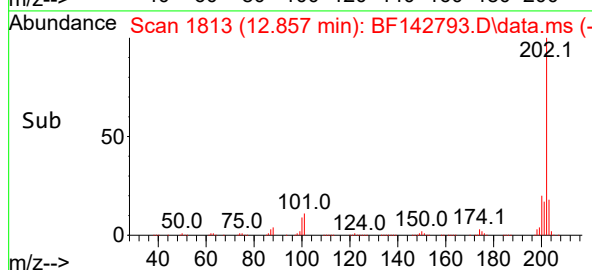
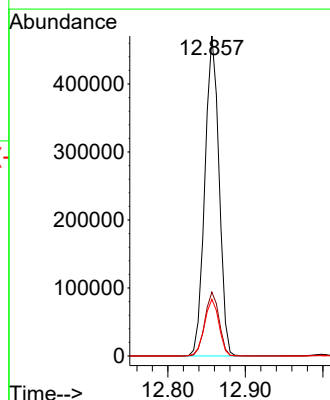
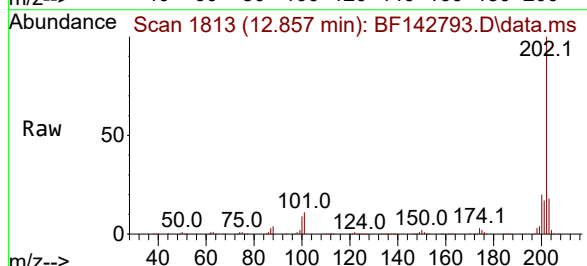
Tgt Ion:202 Resp: 597913

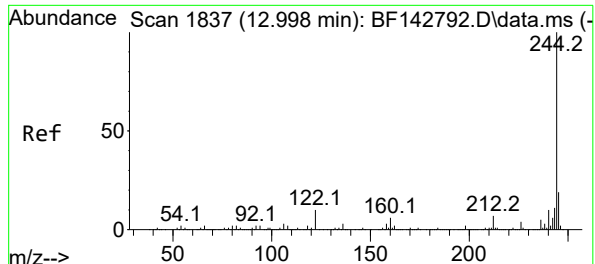
Ion Ratio Lower Upper

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

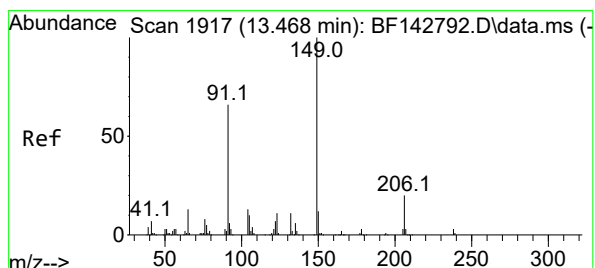
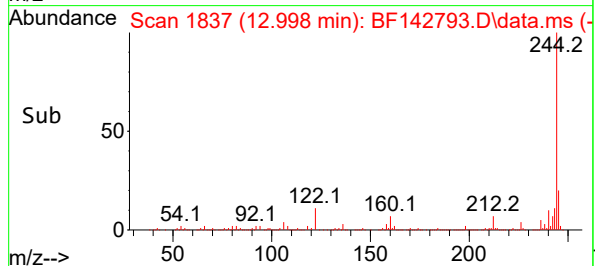
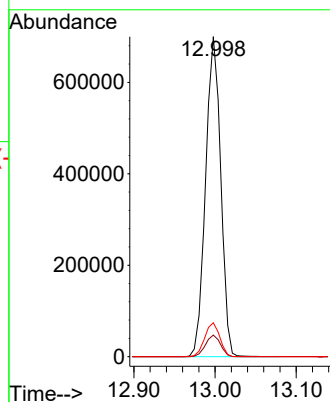
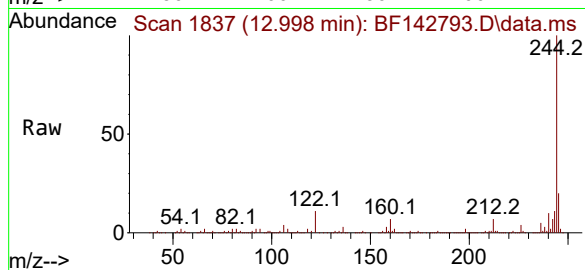
Tgt Ion:244 Resp: 904305

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

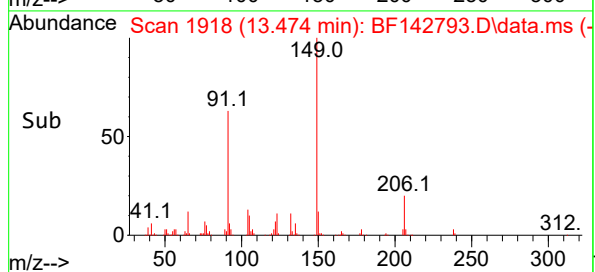
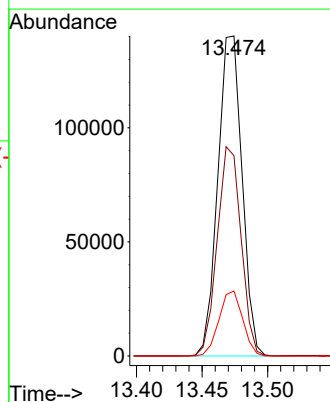
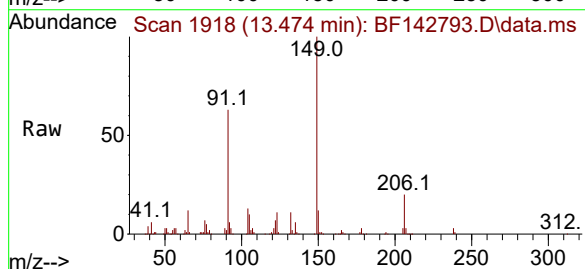
Tgt Ion:149 Resp: 180565

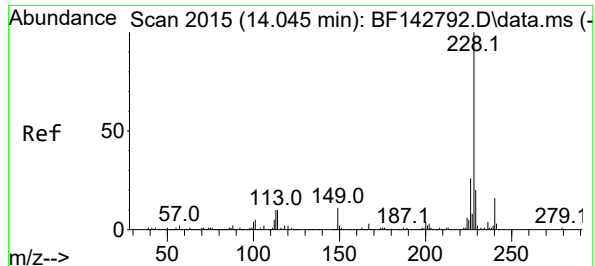
Ion Ratio Lower Upper

149 100

91 62.6 52.9 79.3

206 20.3 16.3 24.5

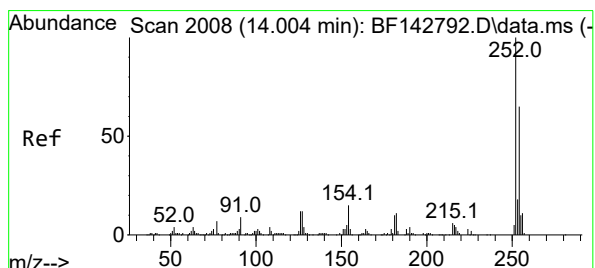
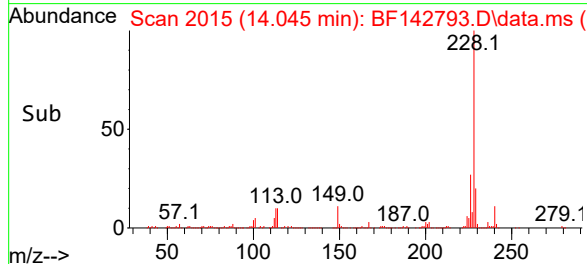
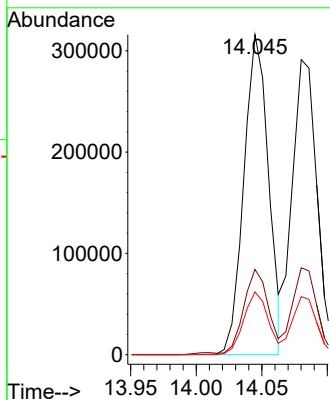
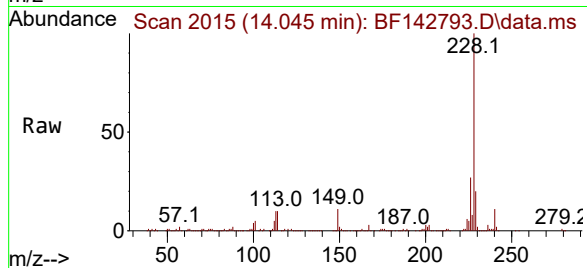




#81
Benzo(a)anthracene
Concen: 53.431 ng
RT: 14.045 min Scan# 2015
Delta R.T. -0.000 min
Lab File: BF142793.D
Acq: 19 Jun 2025 19:40

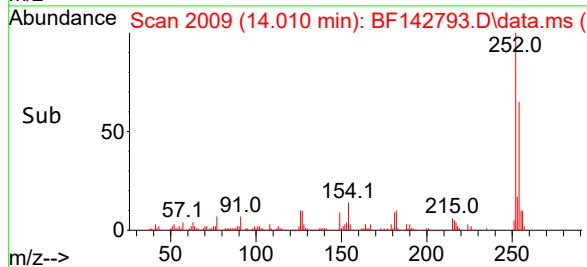
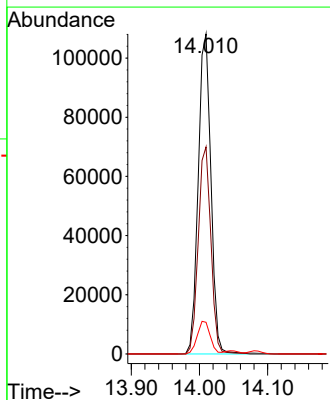
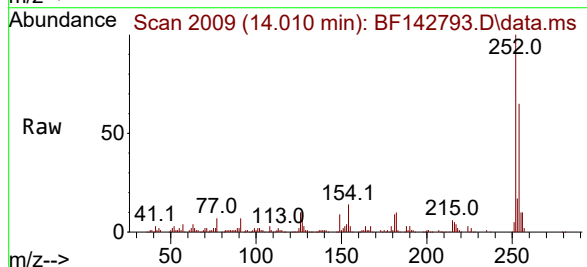
Instrument :
BNA_F
ClientSampleId :
SSTDICC050

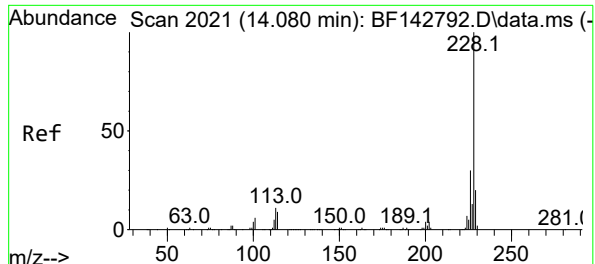
Tgt Ion:228 Resp: 413349
Ion Ratio Lower Upper
228 100
226 26.7 21.2 31.8
229 19.6 15.6 23.4



#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

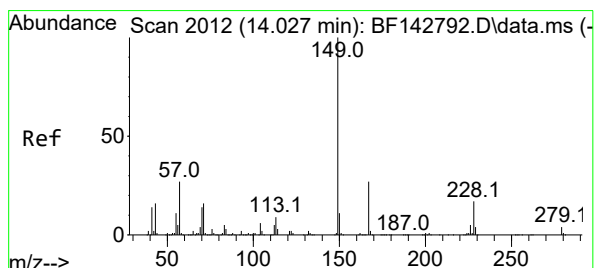
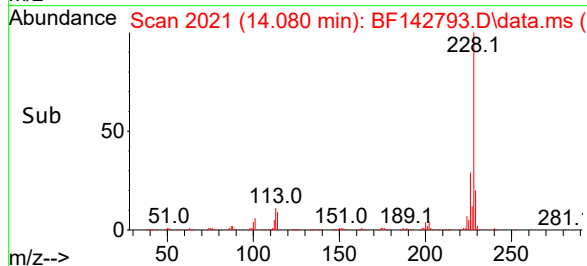
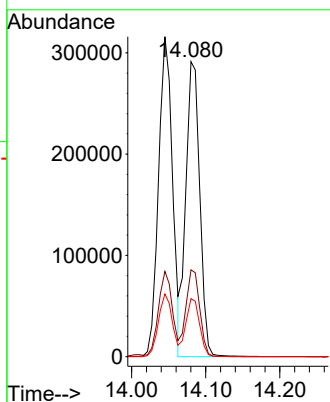
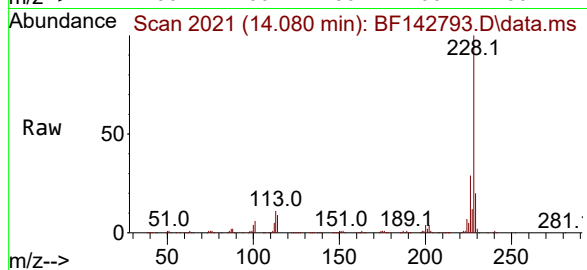
Tgt Ion:228 Resp: 381352

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

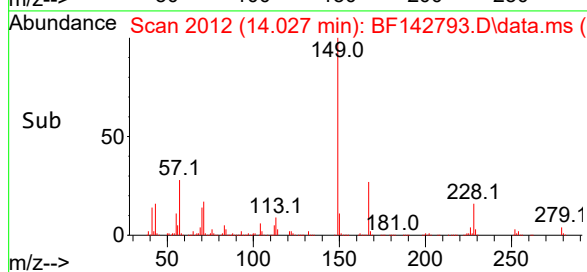
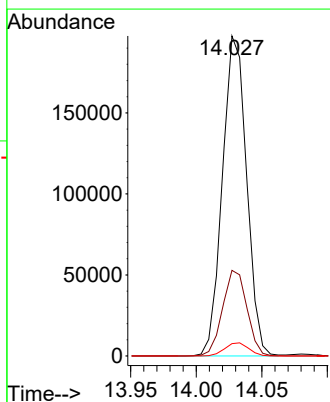
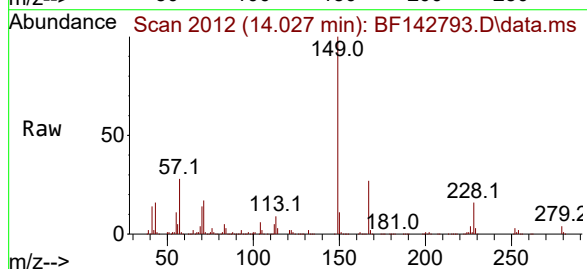
Tgt Ion:149 Resp: 253542

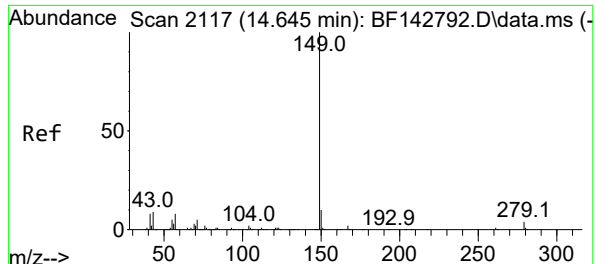
Ion Ratio Lower Upper

149 100

167 26.8 21.4 32.0

279 3.8 3.0 4.6

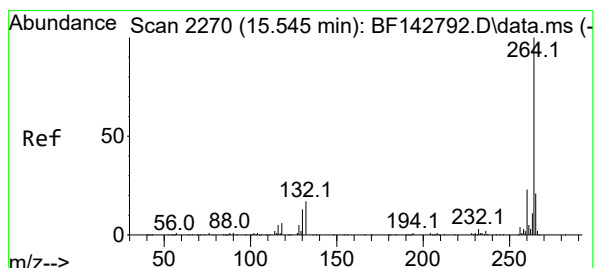
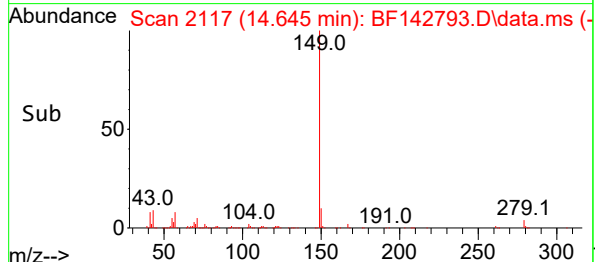
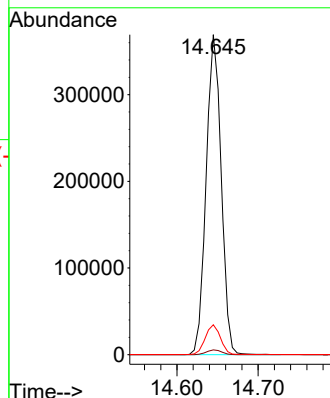
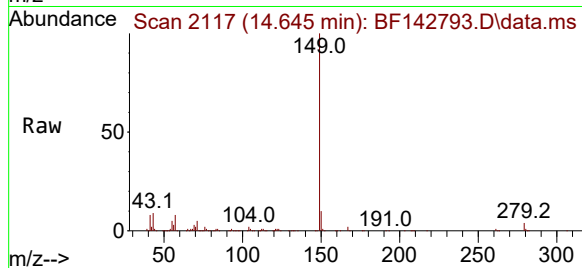




#85
Di-n-octyl phthalate
Concen: 52.029 ng
RT: 14.645 min Scan# 2117
Delta R.T. -0.000 min
Lab File: BF142793.D
Acq: 19 Jun 2025 19:40

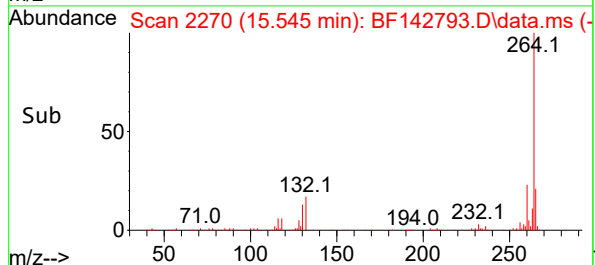
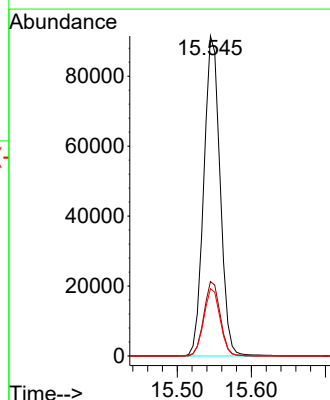
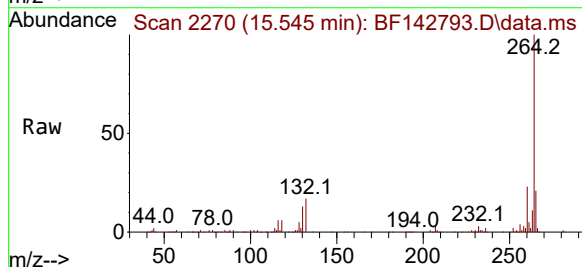
Instrument :
BNA_F
ClientSampleId :
SSTDICC050

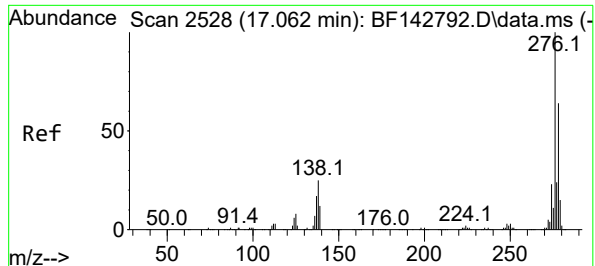
Tgt Ion	Ratio	Lower	Upper
149	100		
167	1.5	1.3	1.9
43	9.4	7.6	11.4



#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# 21

Delta R.T. -0.000 min

Lab File: BF142793.D

Acq: 19 Jun 2025 19:40

Instrument :

BNA_F

ClientSampleId :

SSTDICC050

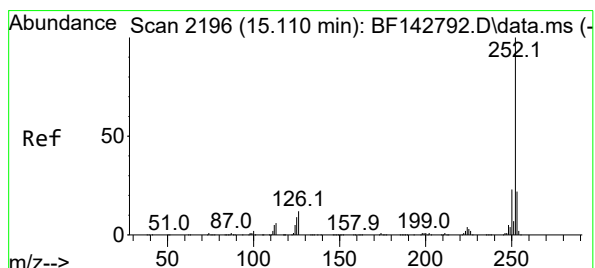
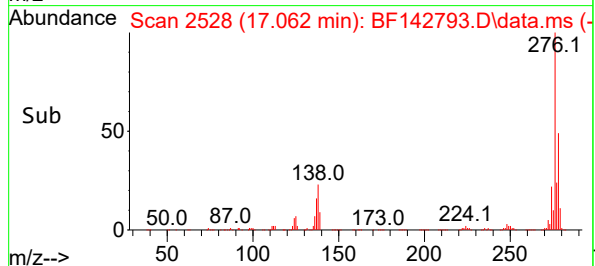
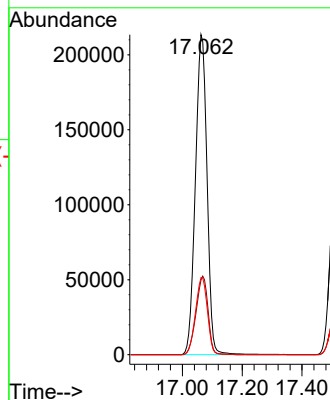
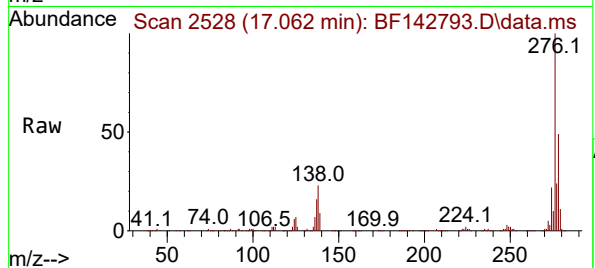
Tgt Ion:276 Resp: 575271

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

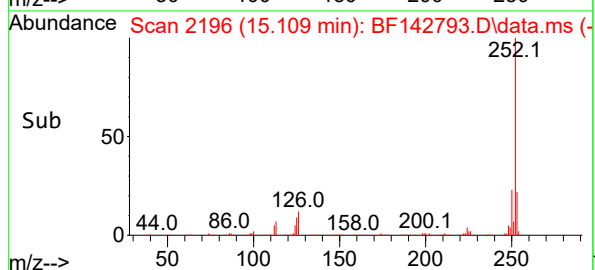
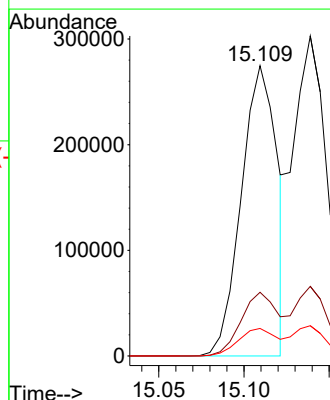
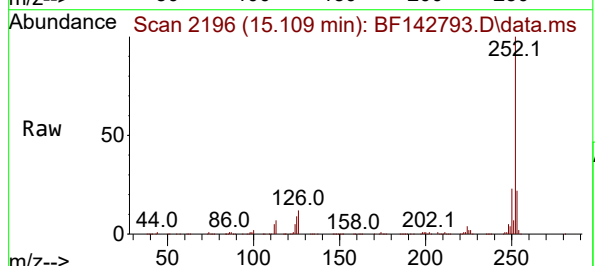
Tgt Ion:252 Resp: 401915

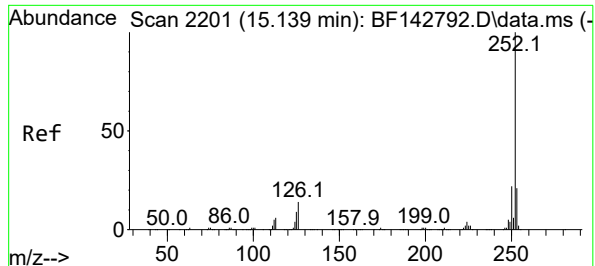
Ion Ratio Lower Upper

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

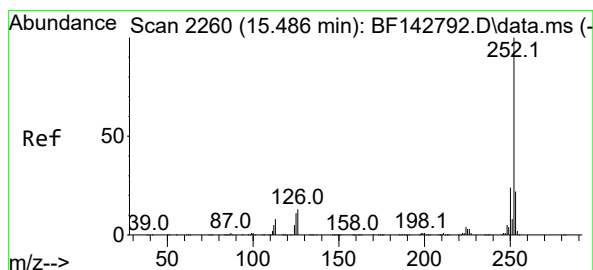
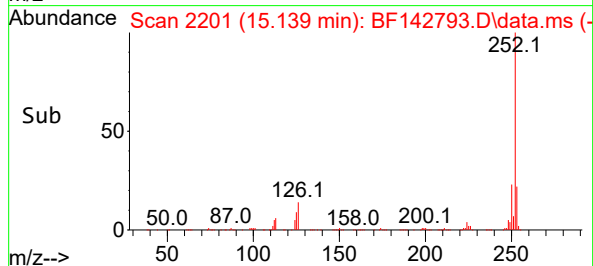
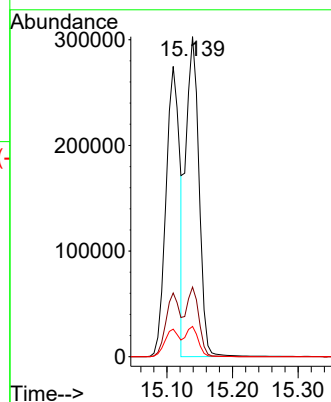
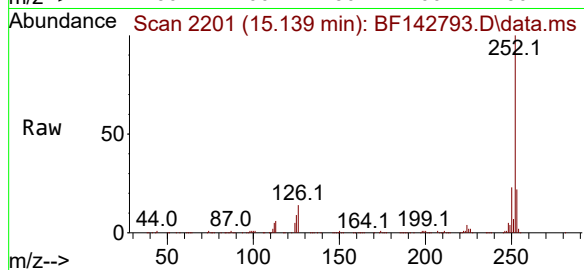
Tgt Ion:252 Resp: 416169

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

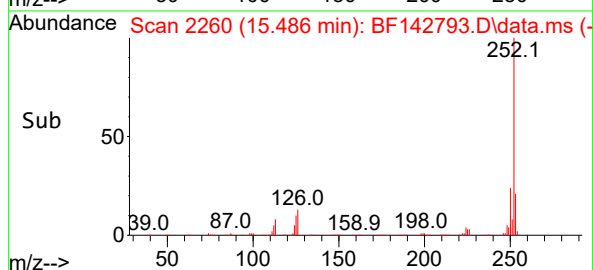
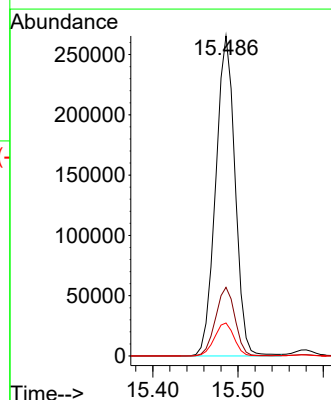
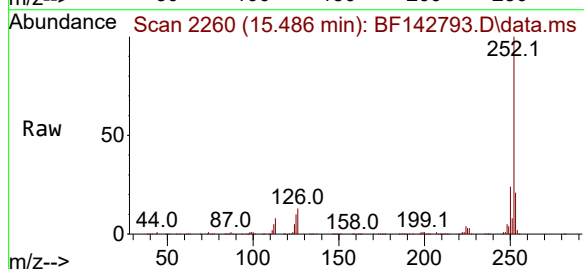
Tgt Ion:252 Resp: 419030

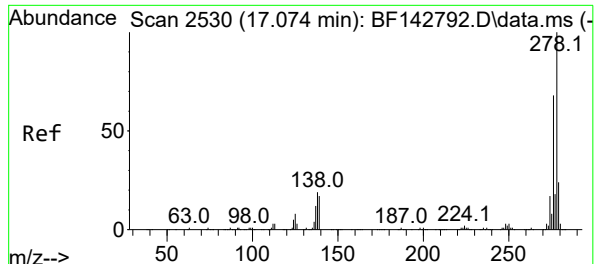
Ion Ratio Lower Upper

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

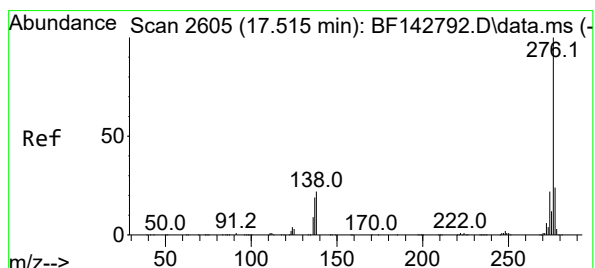
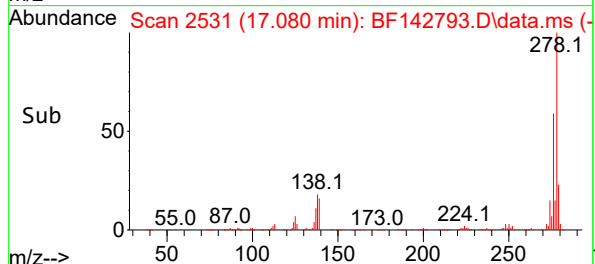
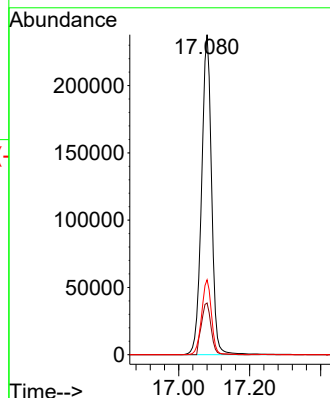
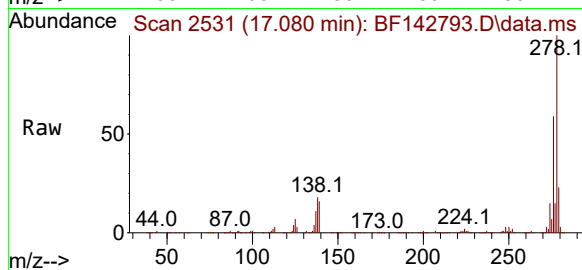
Tgt Ion:278 Resp: 466485

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

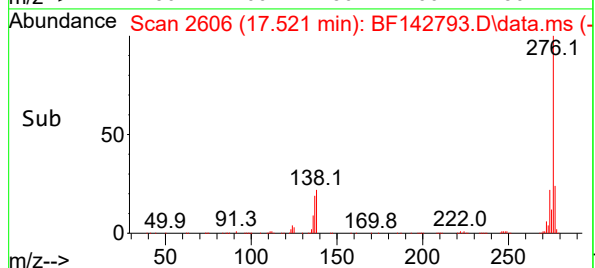
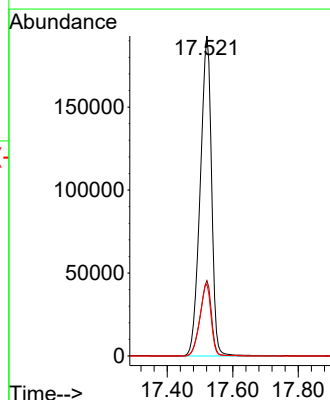
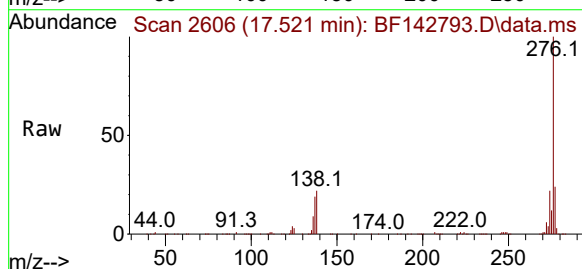
Tgt Ion:276 Resp: 464951

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

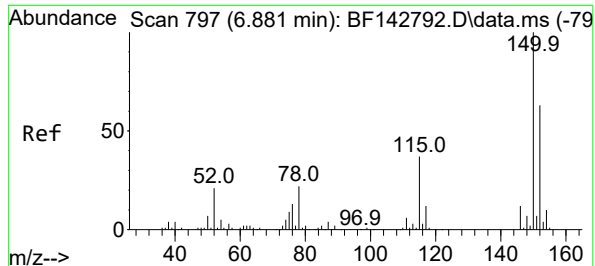
Quant Time: Jun 20 04:41:29 2025
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF061925.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Fri Jun 20 04:36:38 2025
 Response via : Initial Calibration

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

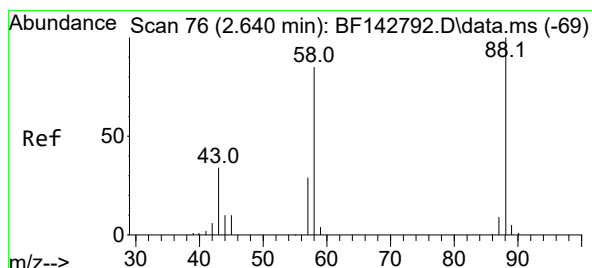
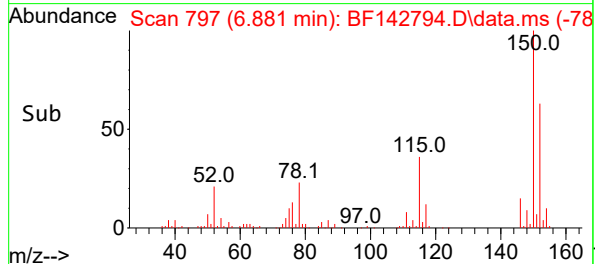
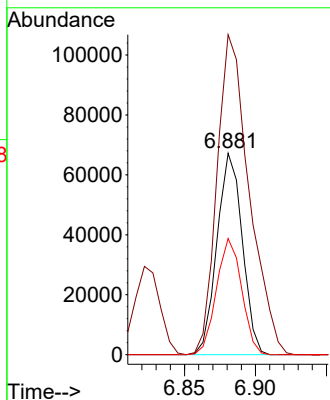
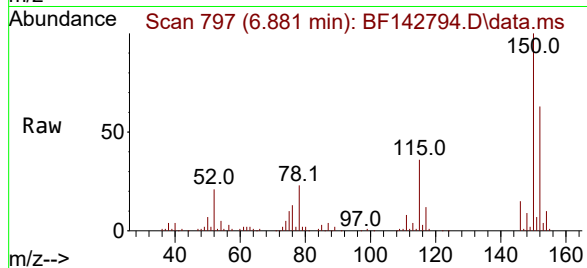
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#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.881 min Scan# 79
Delta R.T. -0.000 min
Lab File: BF142794.D
Acq: 19 Jun 2025 20:10

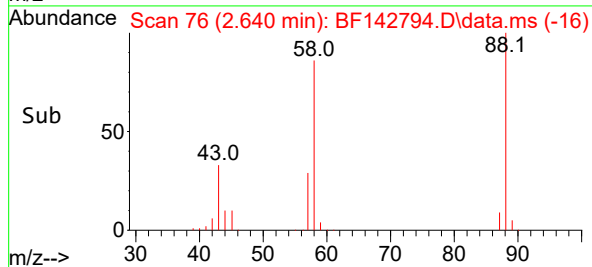
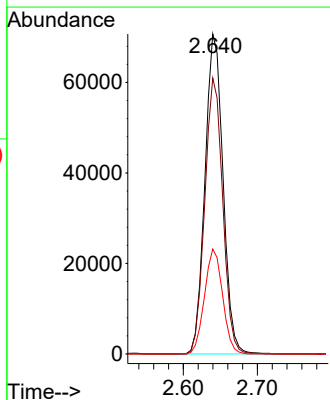
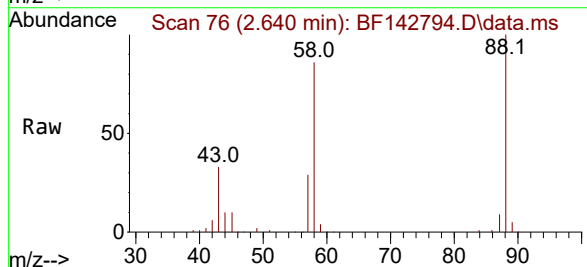
Instrument :
BNA_F
ClientSampleId :
SSTDICC060

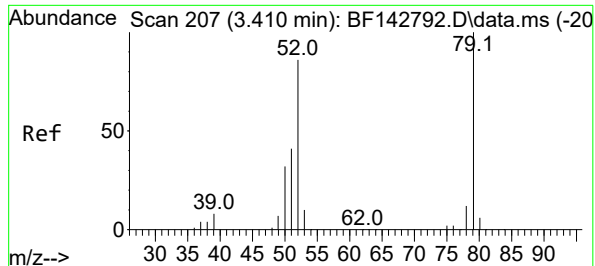
Tgt Ion:152 Resp: 83273
Ion Ratio Lower Upper
152 100
150 158.8 127.2 190.8
115 57.7 46.6 69.8



#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

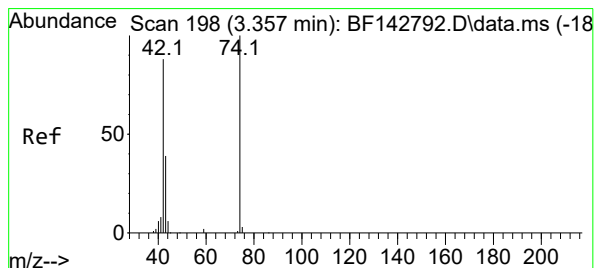
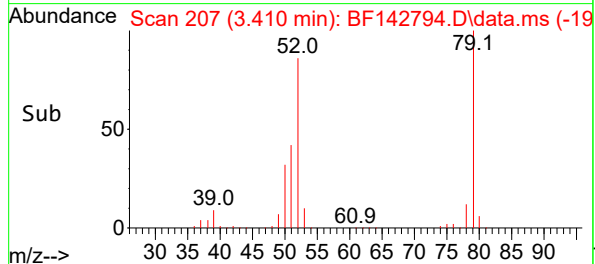
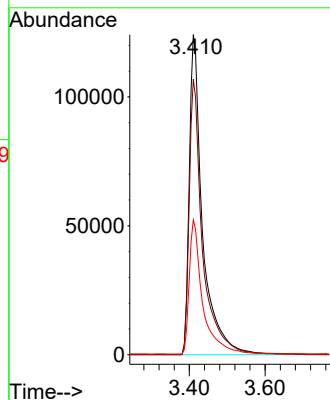
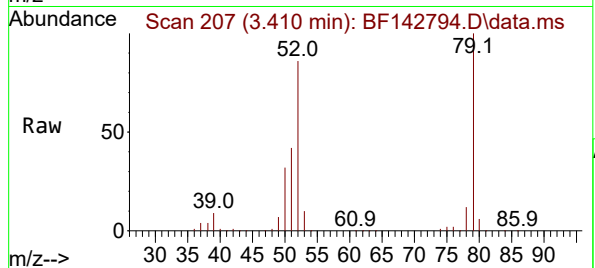




#3
Pyridine
Concen: 62.244 ng
RT: 3.410 min Scan# 207
Delta R.T. 0.000 min
Lab File: BF142794.D
Acq: 19 Jun 2025 20:10

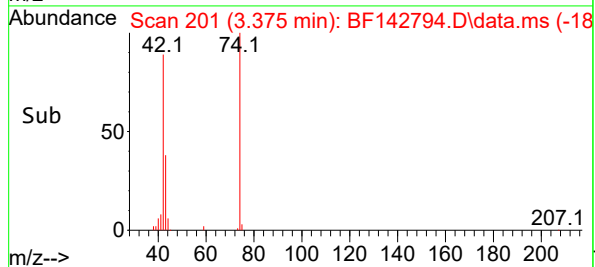
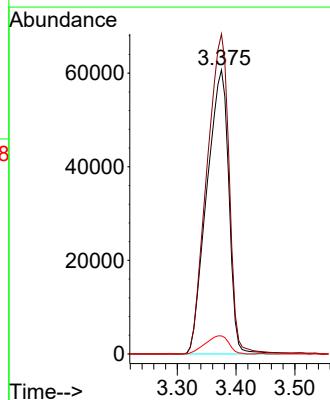
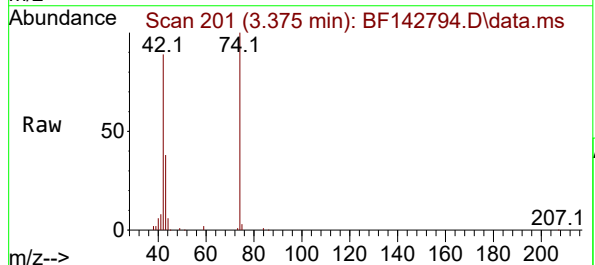
Instrument :
BNA_F
ClientSampleId :
SSTDICC060

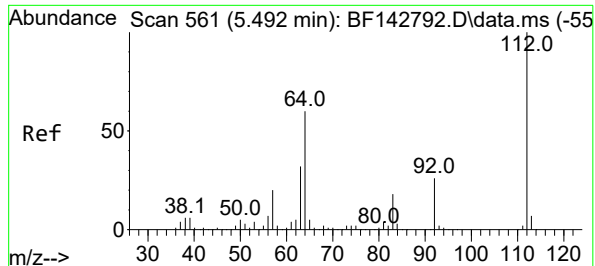
Tgt Ion: 79 Resp: 302137
Ion Ratio Lower Upper
79 100
52 86.1 69.2 103.8
51 42.1 33.2 49.8



#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

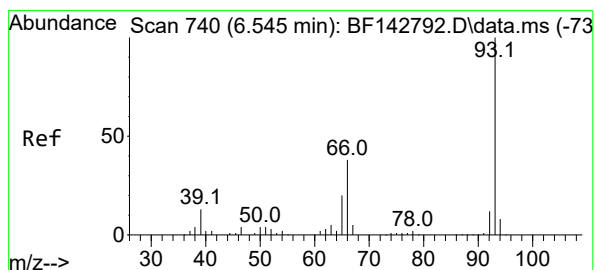
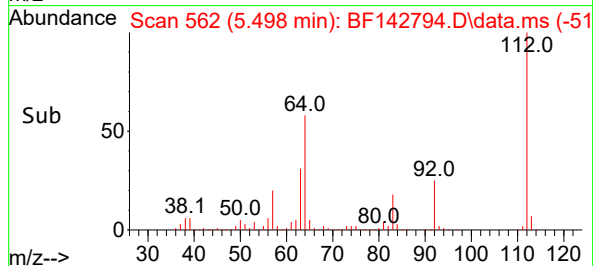
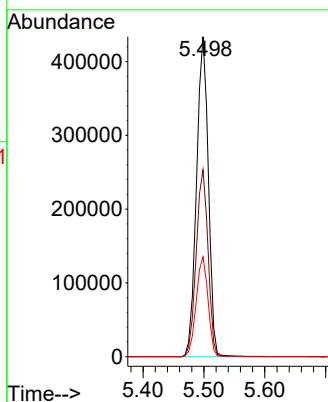
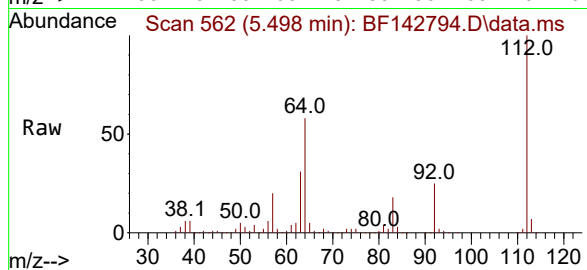
Tgt Ion:112 Resp: 585158

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

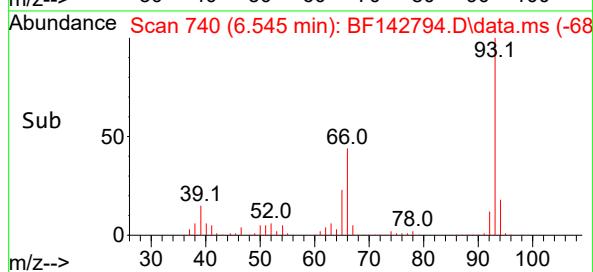
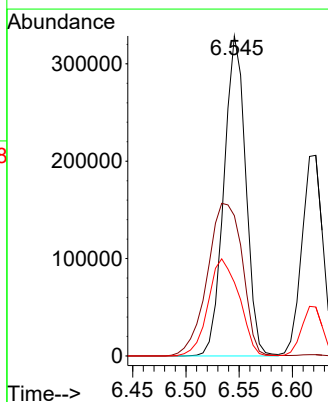
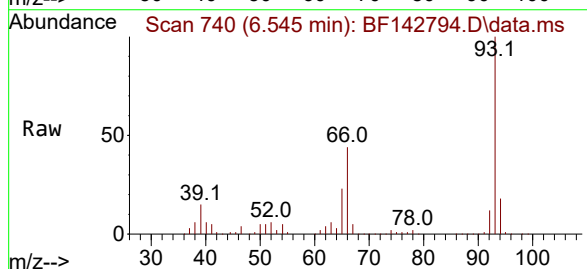
Tgt Ion: 93 Resp: 466855

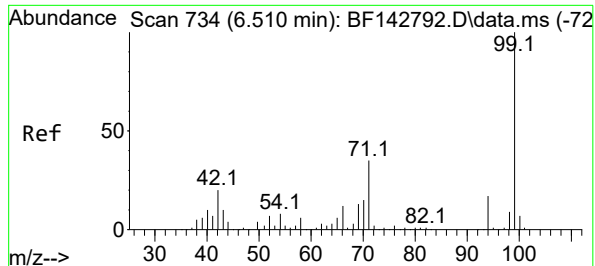
Ion Ratio Lower Upper

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

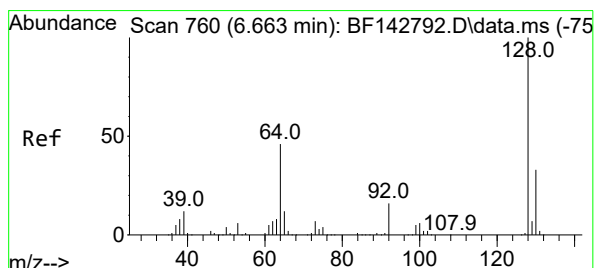
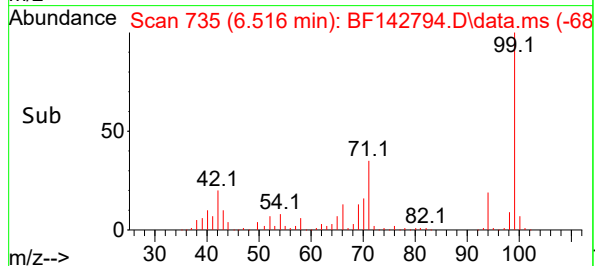
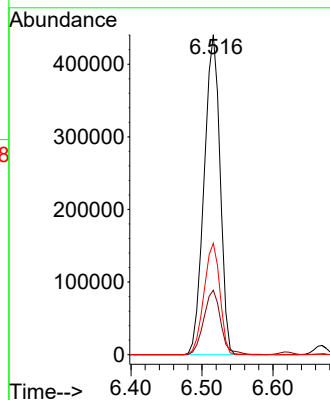
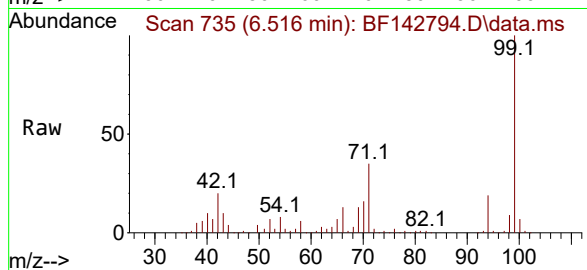
Tgt Ion: 99 Resp: 689436

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

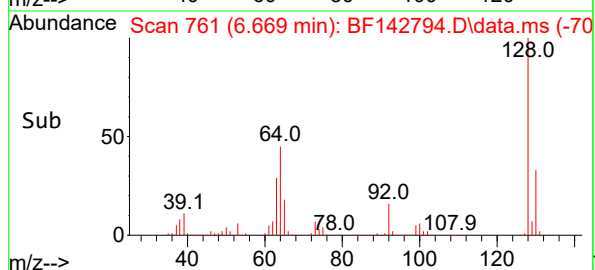
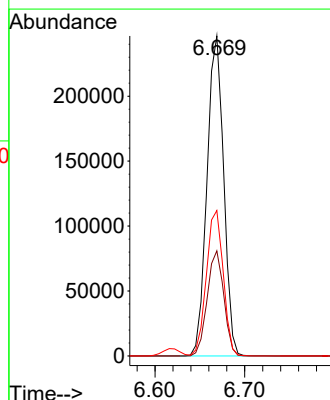
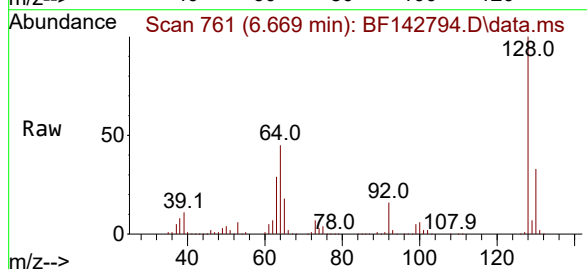
Tgt Ion:128 Resp: 317743

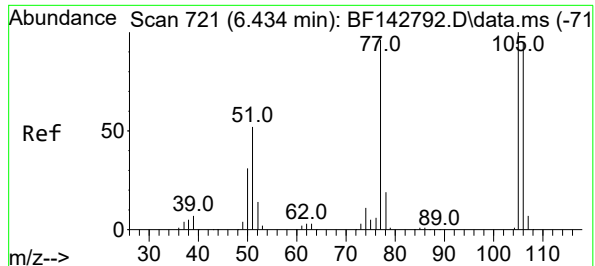
Ion Ratio Lower Upper

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

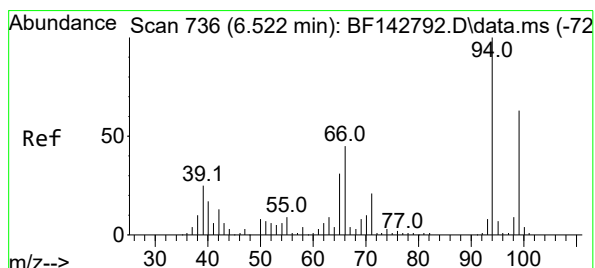
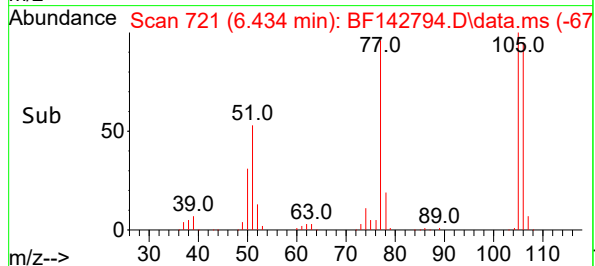
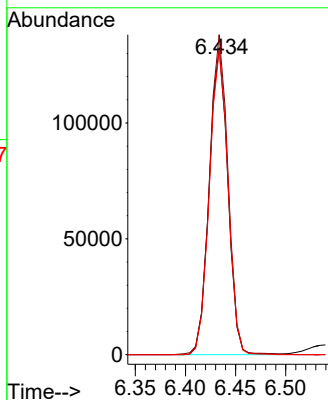
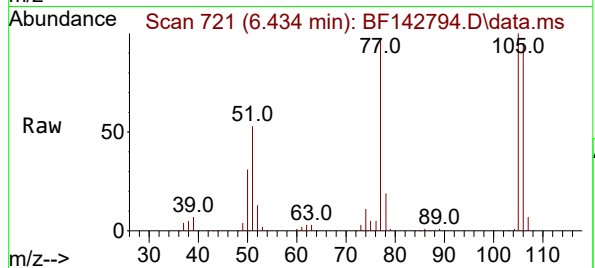
Tgt Ion: 77 Resp: 170843

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

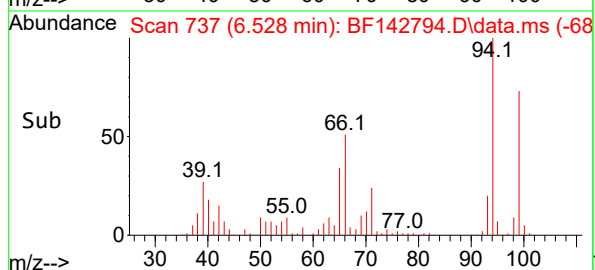
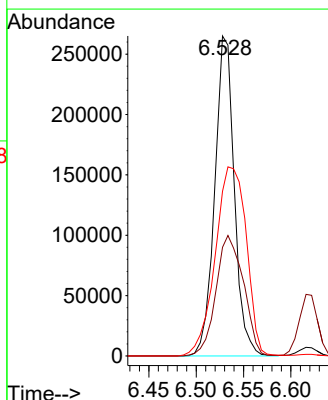
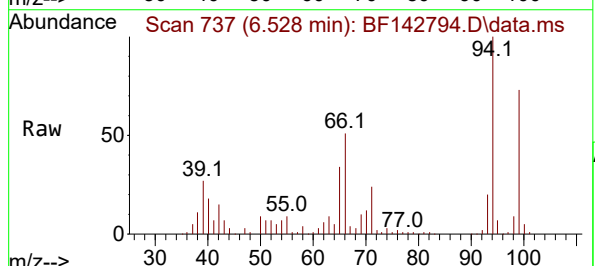
Tgt Ion: 94 Resp: 382126

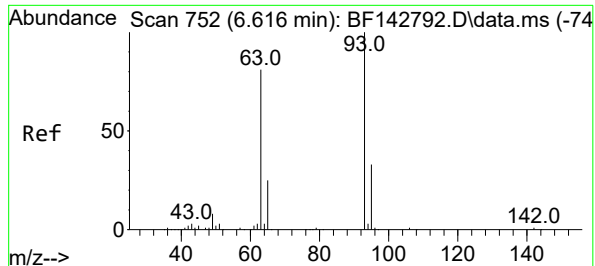
Ion Ratio Lower Upper

94 100

65 34.0 11.3 51.3

66 51.4 24.9 64.9

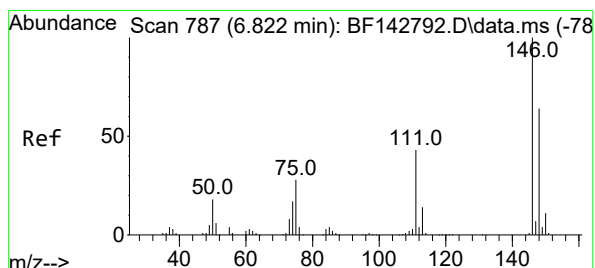
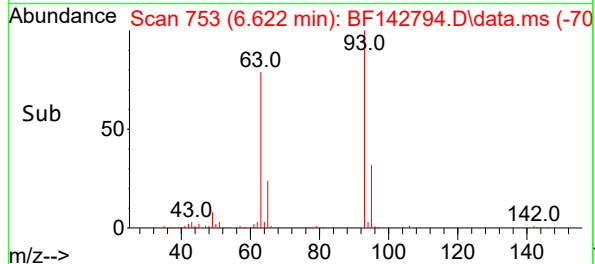
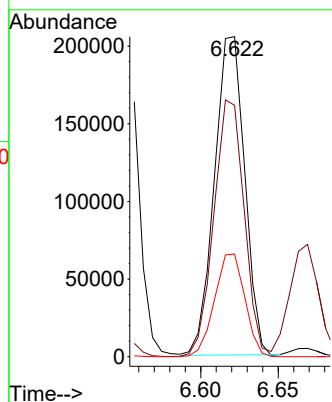
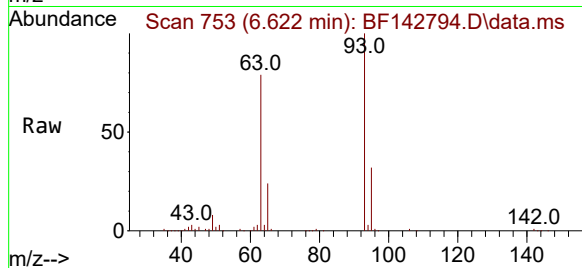




#11
bis(2-Chloroethyl)ether
Concen: 58.802 ng
RT: 6.622 min Scan# 753
Delta R.T. 0.006 min
Lab File: BF142794.D
Acq: 19 Jun 2025 20:10

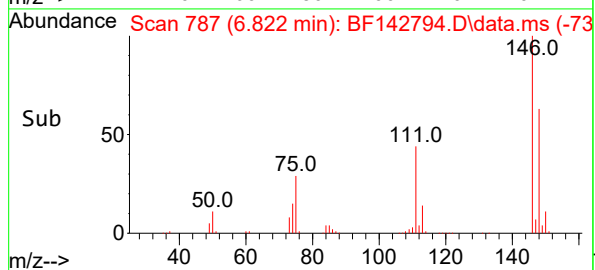
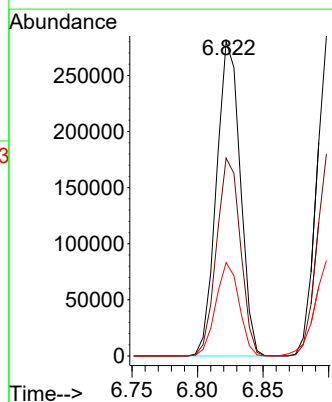
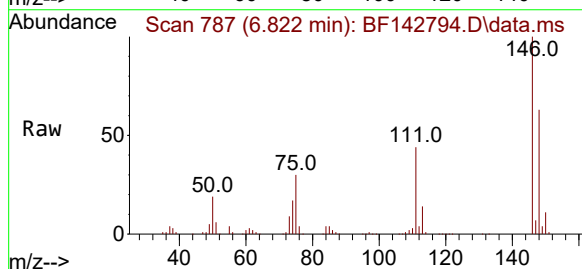
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ClientSampleId :
SSTDICC060

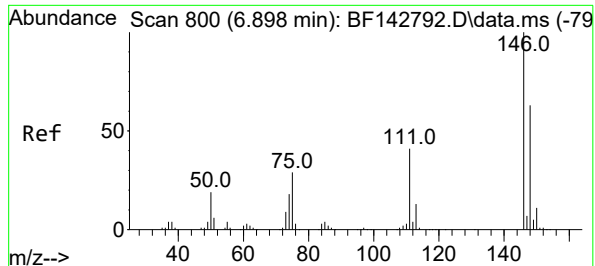
Tgt Ion: 93 Resp: 278869
Ion Ratio Lower Upper
93 100
63 78.5 60.3 100.3
95 32.1 12.5 52.5



#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

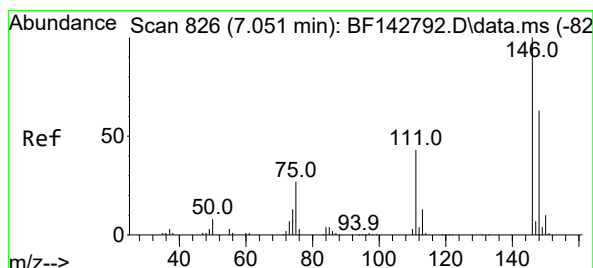
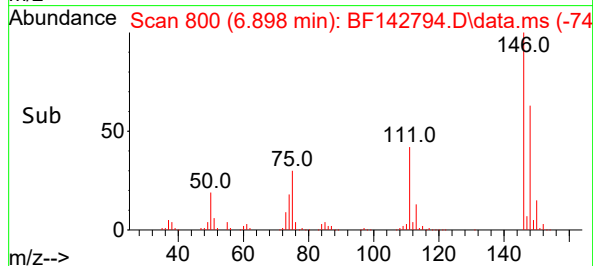
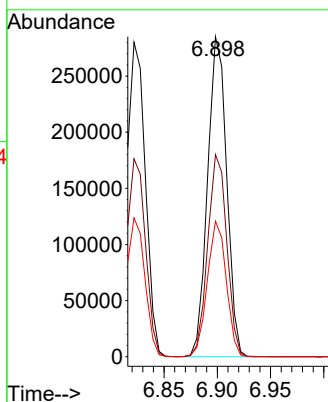
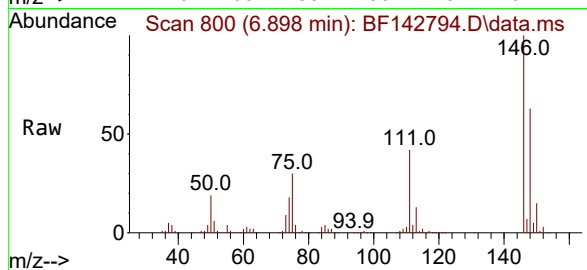
Tgt Ion:146 Resp: 356089

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

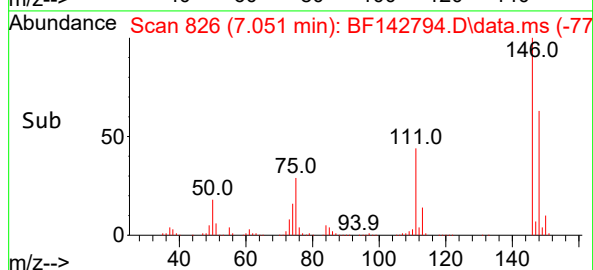
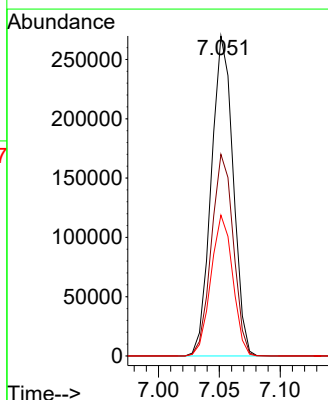
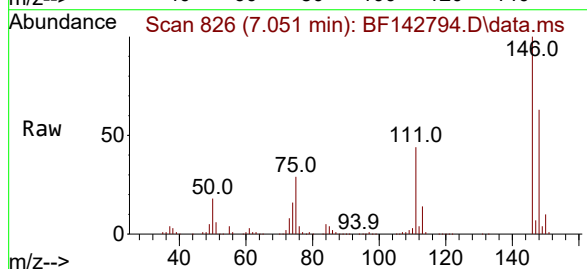
Tgt Ion:146 Resp: 338121

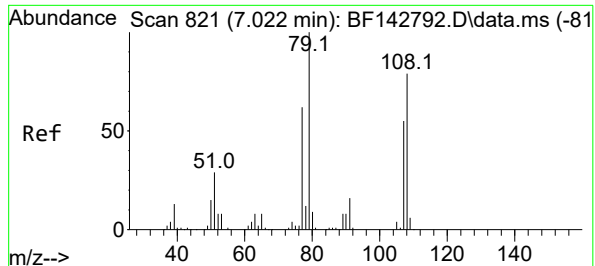
Ion Ratio Lower Upper

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

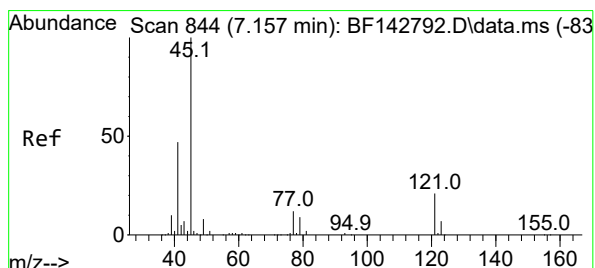
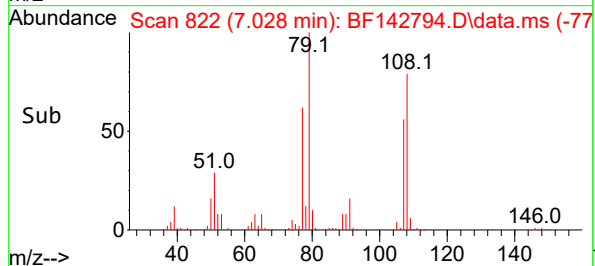
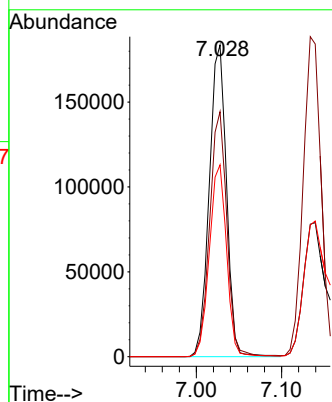
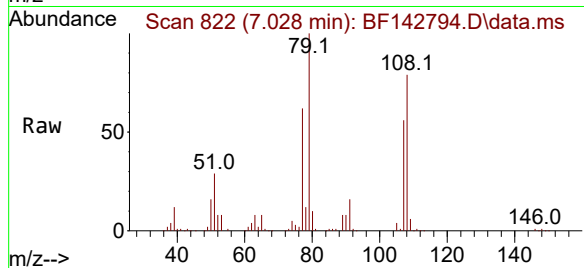
Tgt Ion: 79 Resp: 257749

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

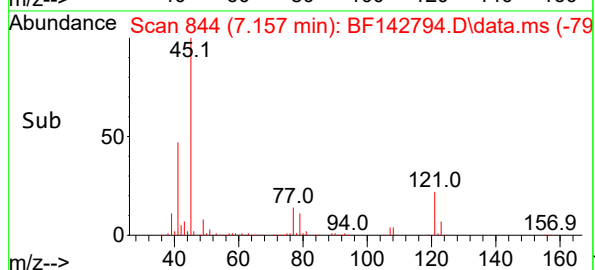
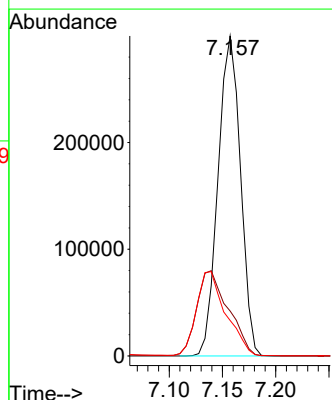
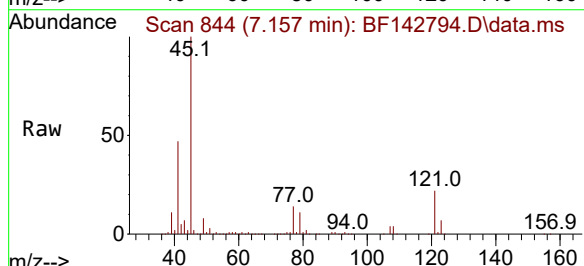
Tgt Ion: 45 Resp: 439082

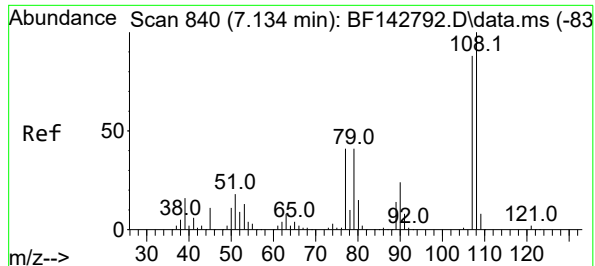
Ion Ratio Lower Upper

45 100

77 14.0 0.0 32.8

79 11.1 0.0 29.8

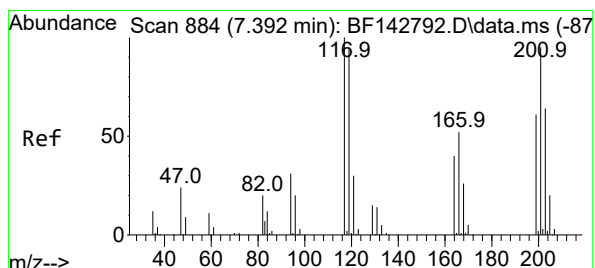
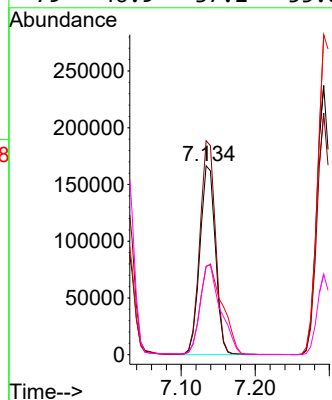
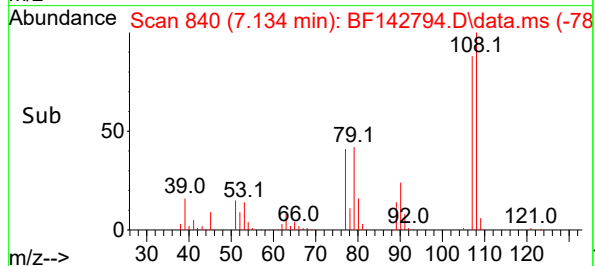
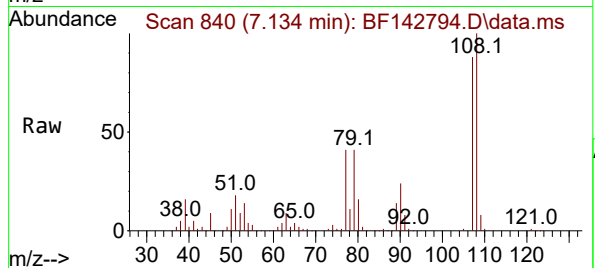




#17
2-Methylphenol
Concen: 59.716 ng
RT: 7.134 min Scan# 840
Delta R.T. 0.000 min
Lab File: BF142794.D
Acq: 19 Jun 2025 20:10

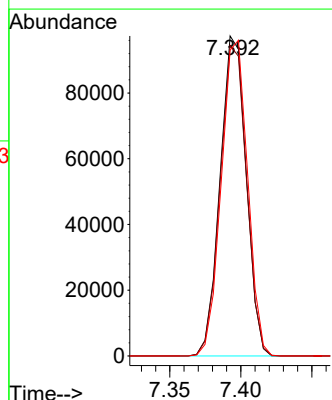
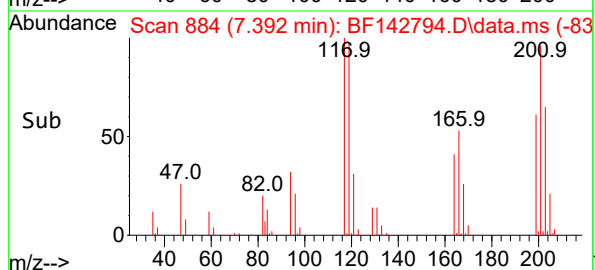
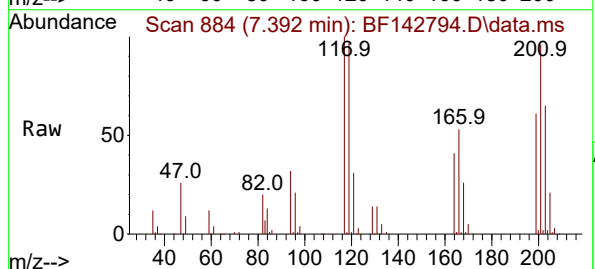
Instrument :
BNA_F
ClientSampleId :
SSTDICC060

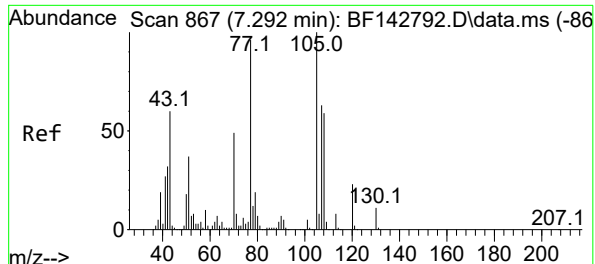
Tgt Ion:107 Resp: 242711
Ion Ratio Lower Upper
107 100
108 113.2 90.9 136.3
77 46.6 37.3 55.9
79 46.9 37.2 55.8



#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

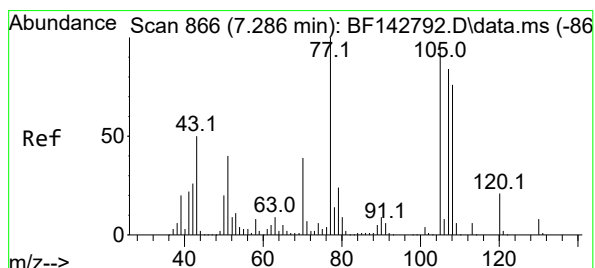
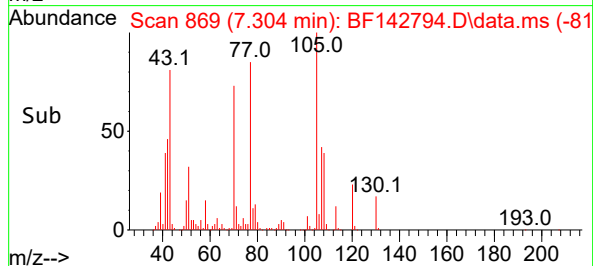
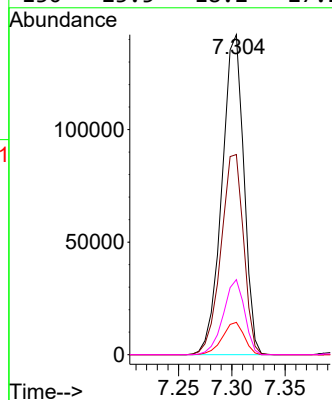
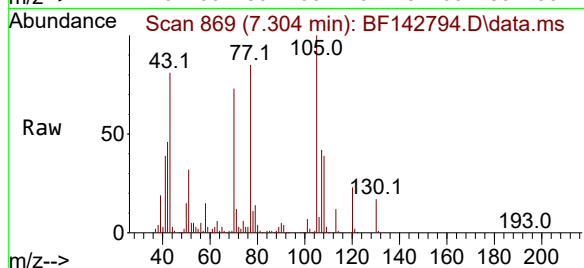
Ion Ratio Lower Upper

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

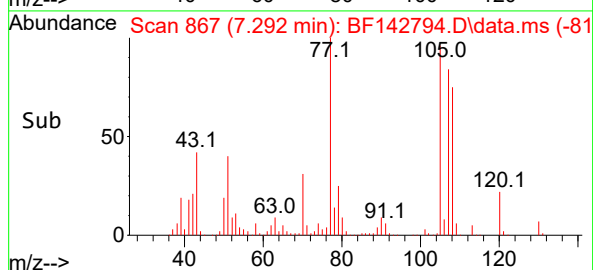
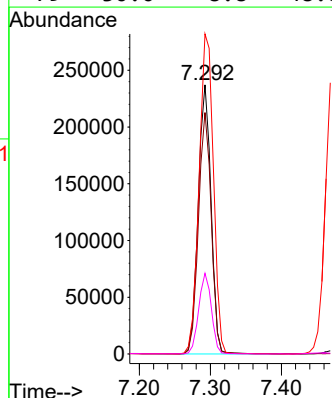
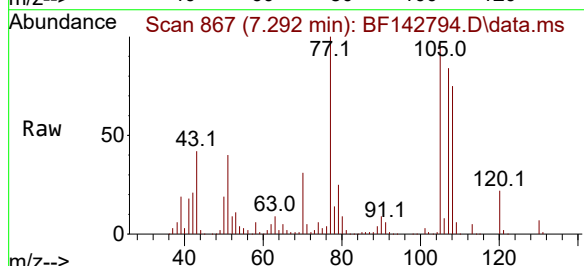
Ion Ratio Lower Upper

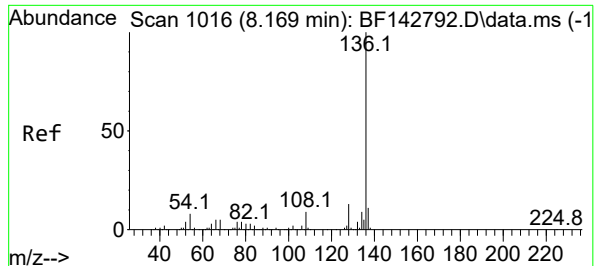
107 100

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

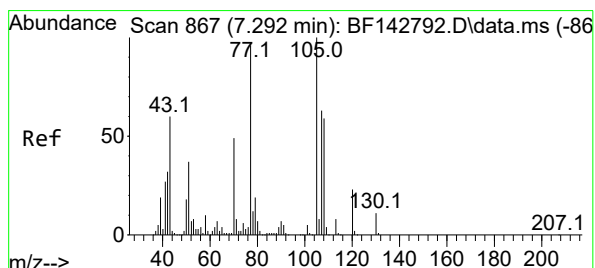
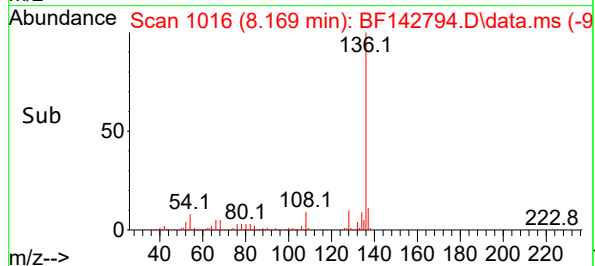
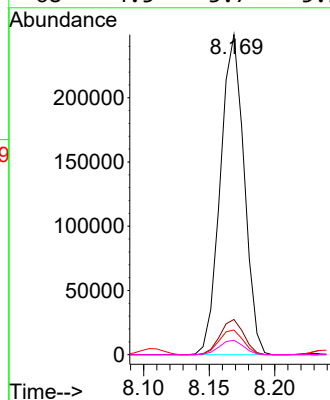
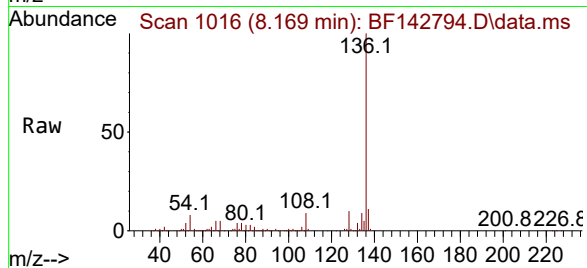
Ion Ratio Lower Upper

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

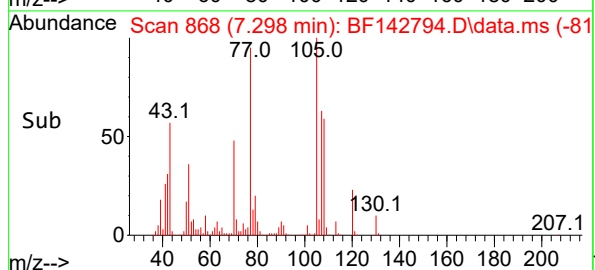
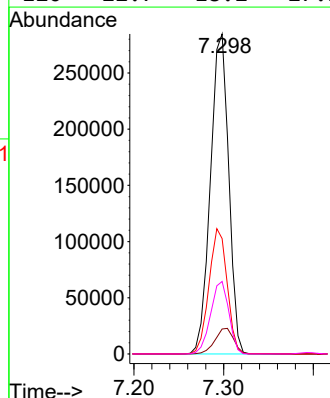
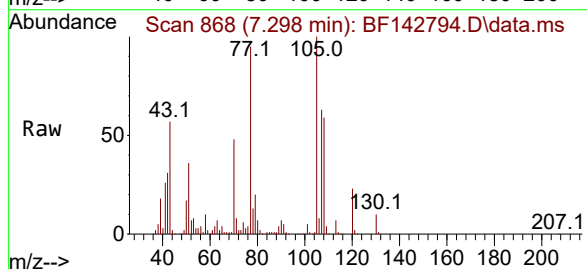
Ion Ratio Lower Upper

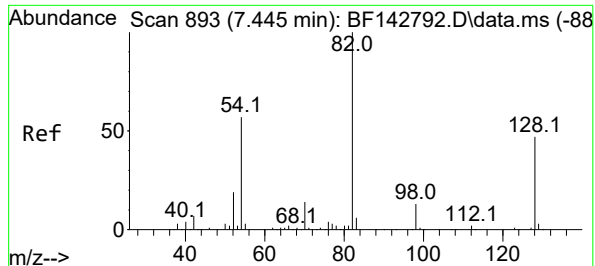
105 100

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

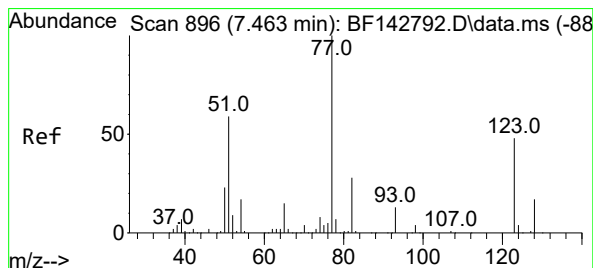
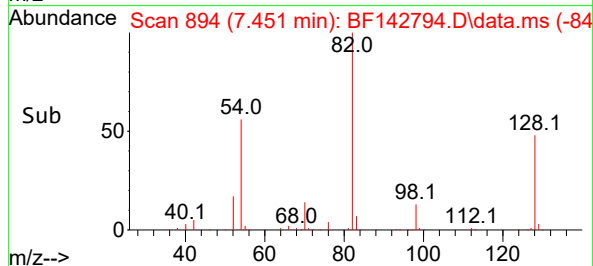
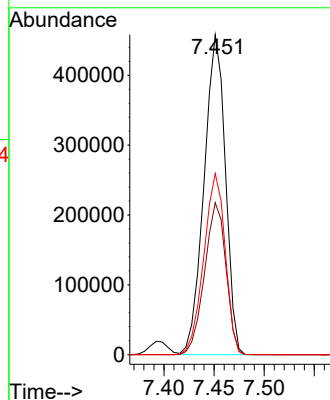
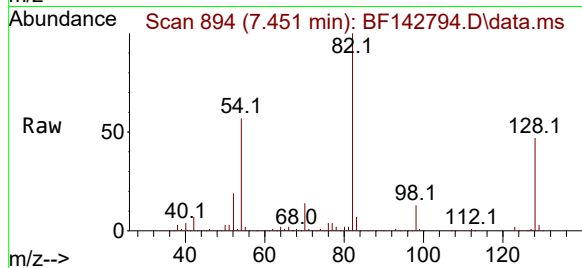
Tgt Ion: 82 Resp: 680402

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

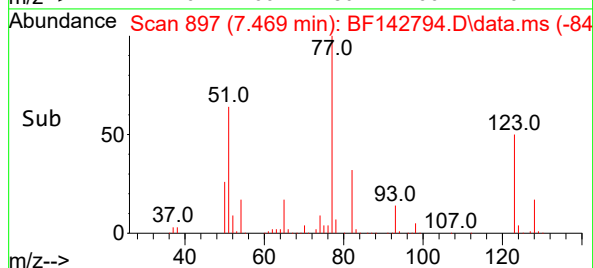
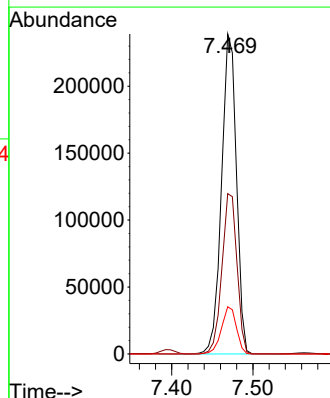
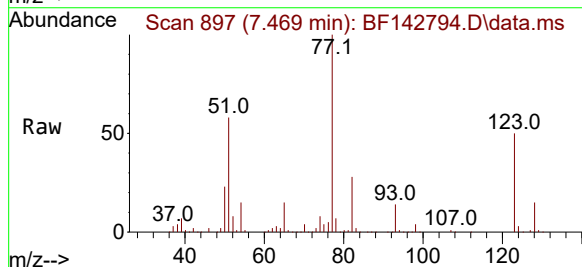
Tgt Ion: 77 Resp: 306032

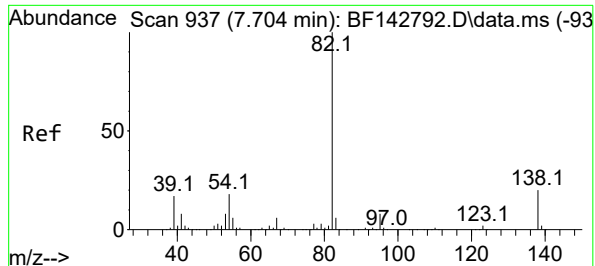
Ion Ratio Lower Upper

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# 910

Delta R.T. 0.006 min

Lab File: BF142794.D

Acq: 19 Jun 2025 20:10

Instrument :

BNA_F

ClientSampleId :

SSTDIC060

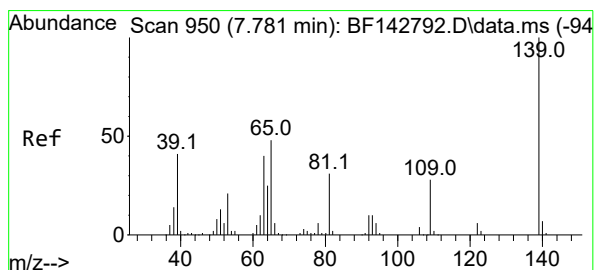
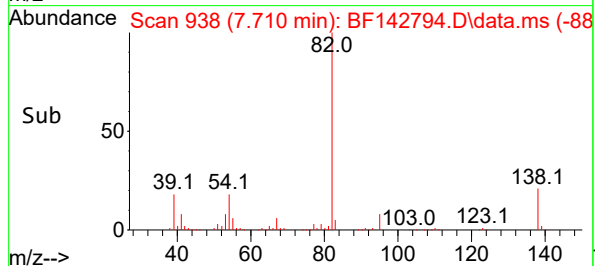
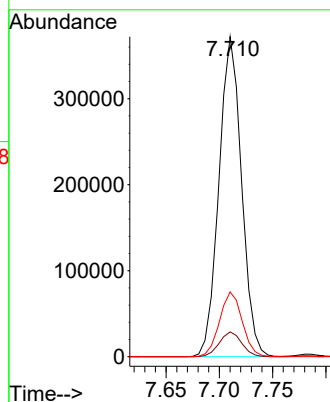
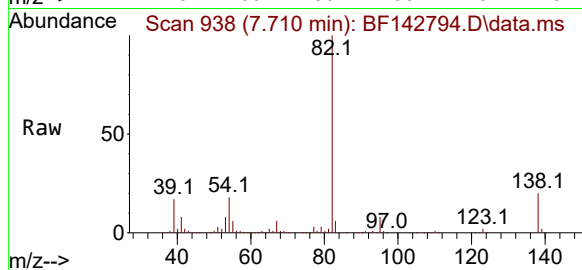
Tgt Ion: 82 Resp: 548612

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

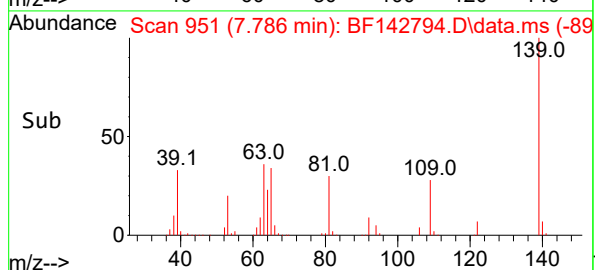
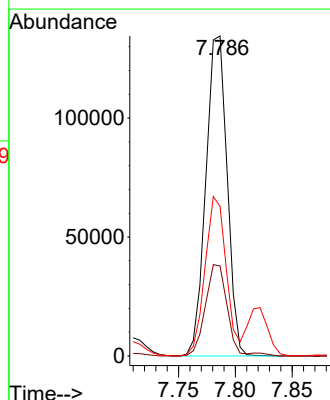
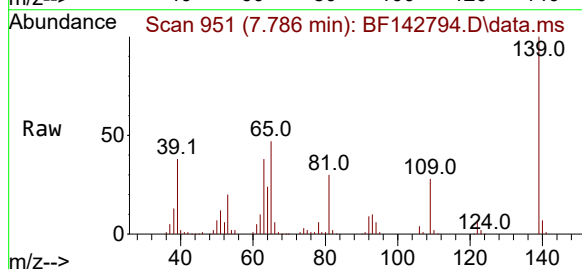
Tgt Ion:139 Resp: 175072

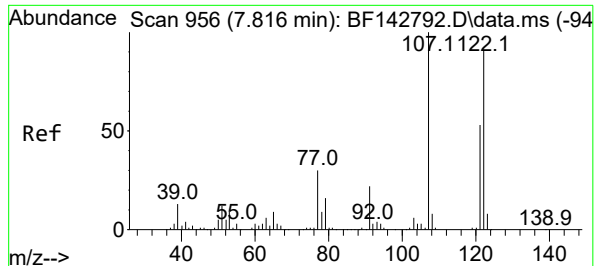
Ion Ratio Lower Upper

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

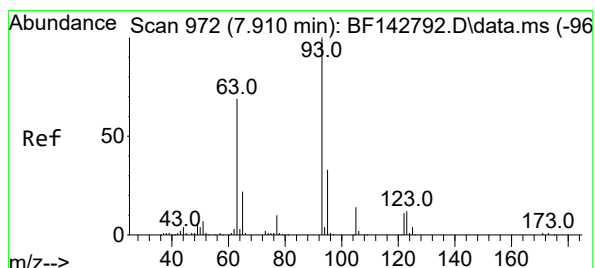
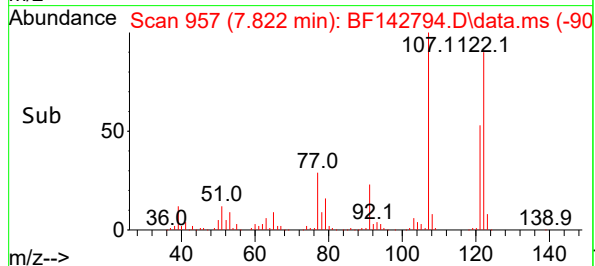
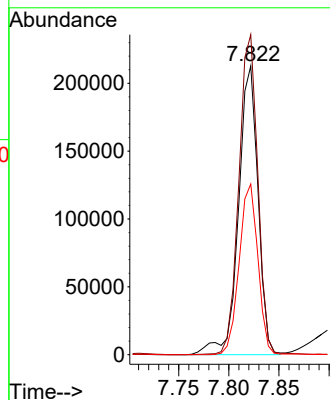
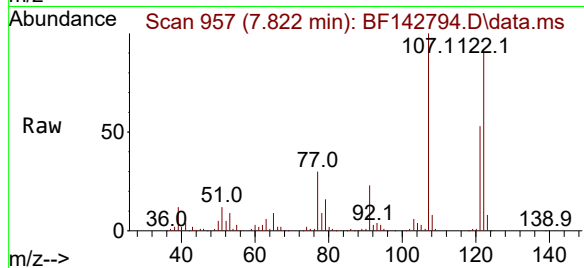
Tgt Ion:122 Resp: 288532

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

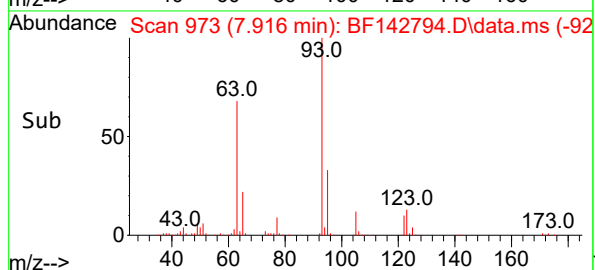
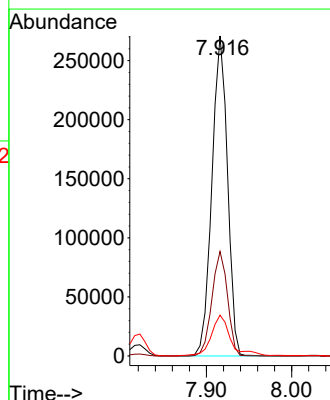
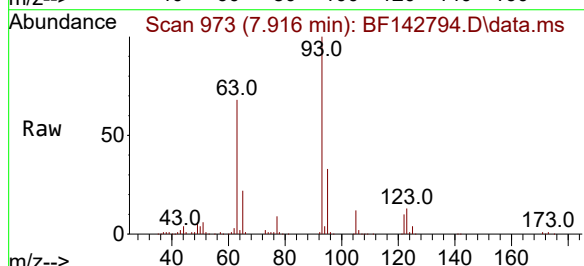
Tgt Ion: 93 Resp: 343925

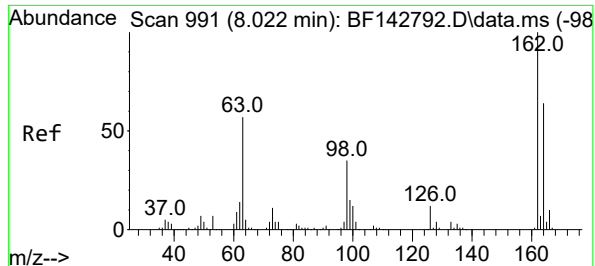
Ion Ratio Lower Upper

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

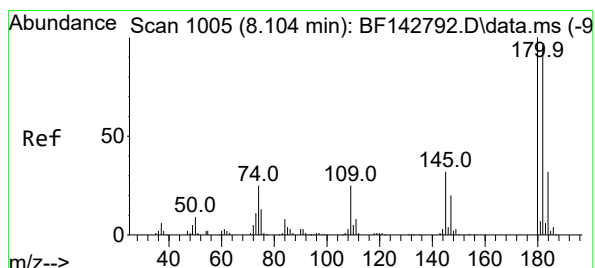
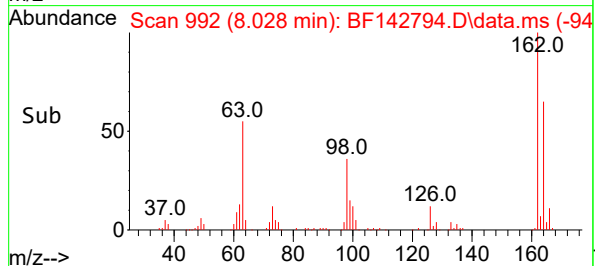
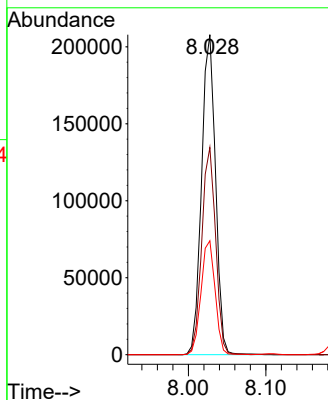
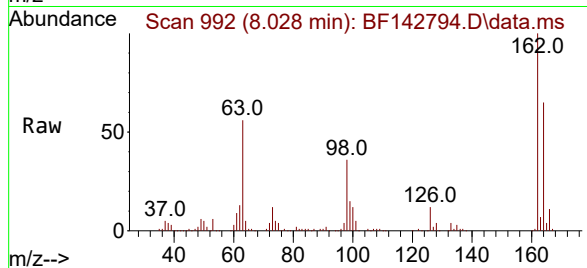
Tgt Ion:162 Resp: 260228

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

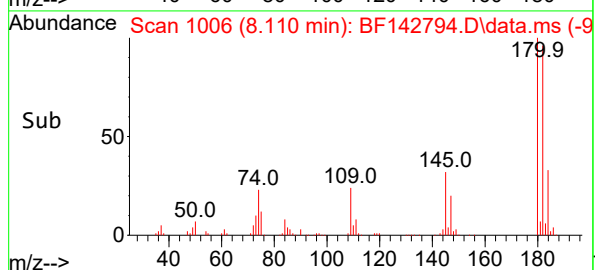
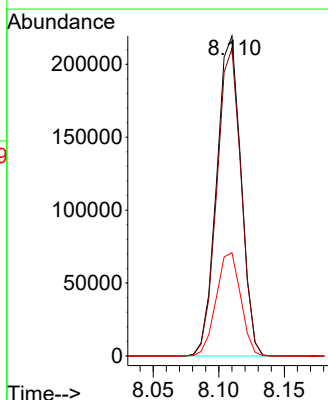
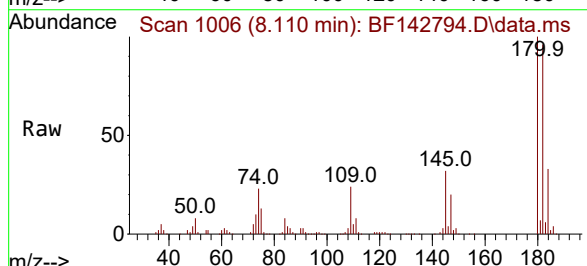
Tgt Ion:180 Resp: 282721

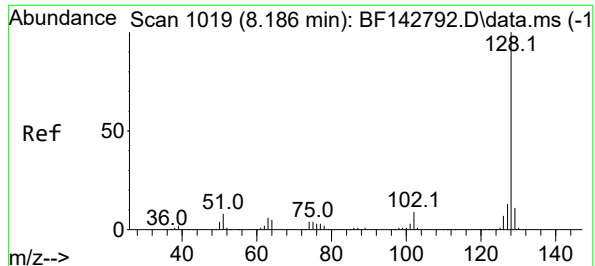
Ion Ratio Lower Upper

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

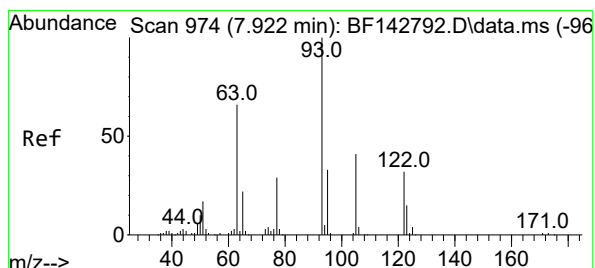
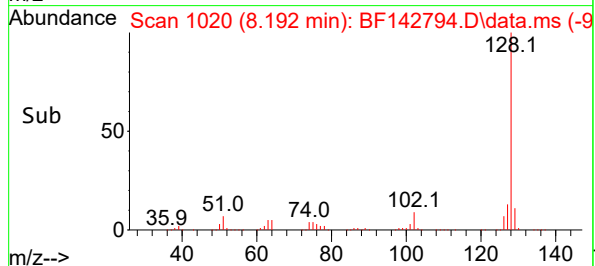
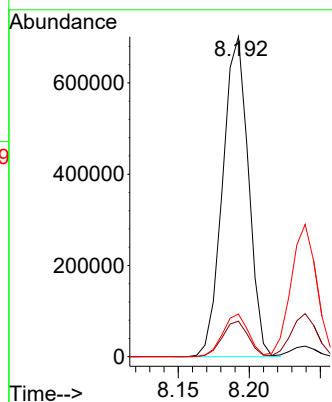
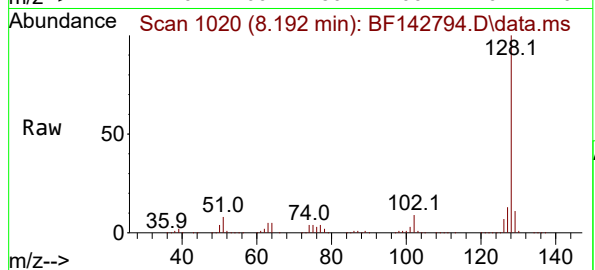
Tgt Ion:128 Resp: 886614

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

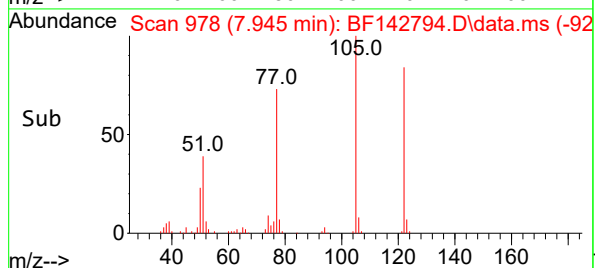
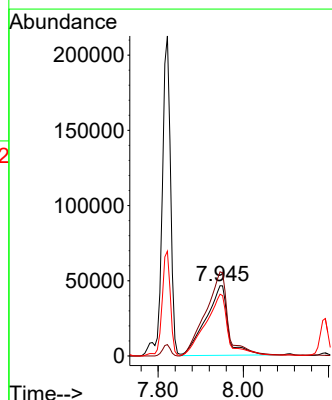
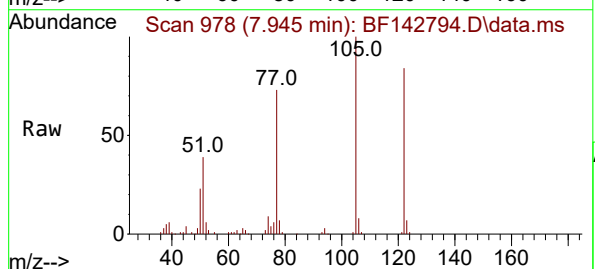
Tgt Ion:122 Resp: 169471

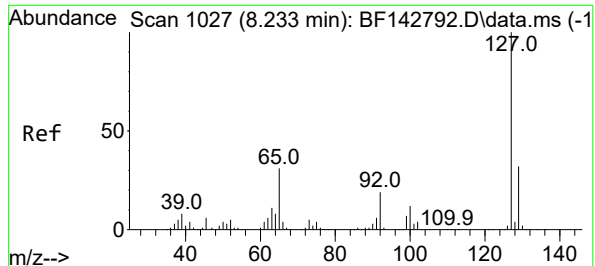
Ion Ratio Lower Upper

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# 1027

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

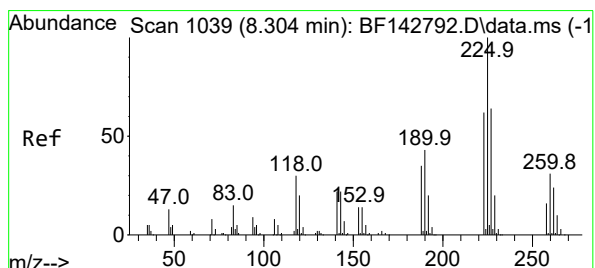
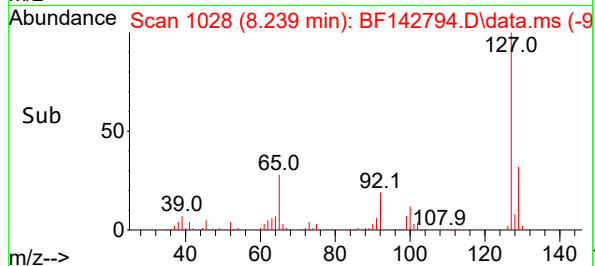
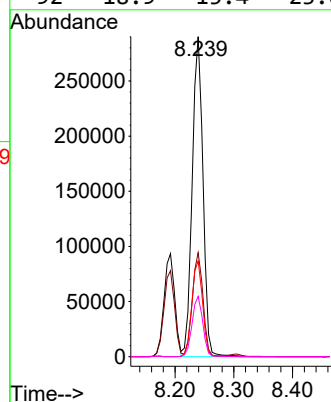
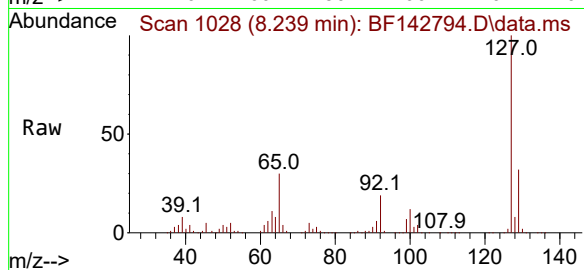
Ion Ratio Lower Upper

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

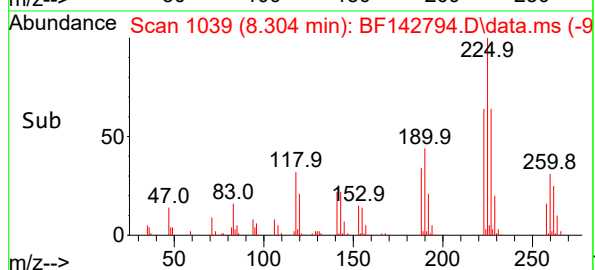
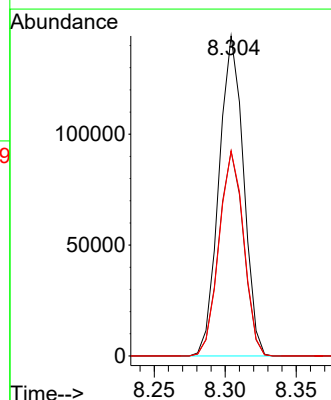
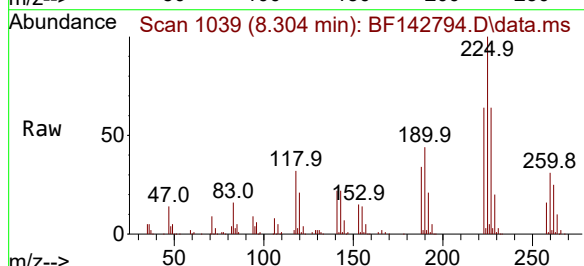
Tgt Ion:225 Resp: 173425

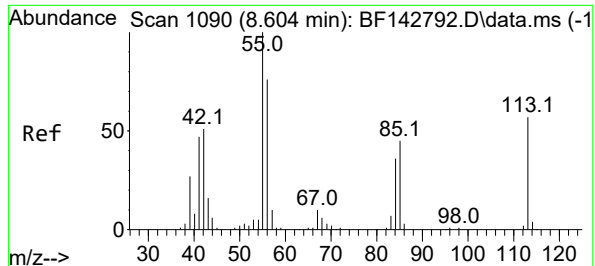
Ion Ratio Lower Upper

225 100

223 64.0 49.9 74.9

227 64.0 51.4 77.0

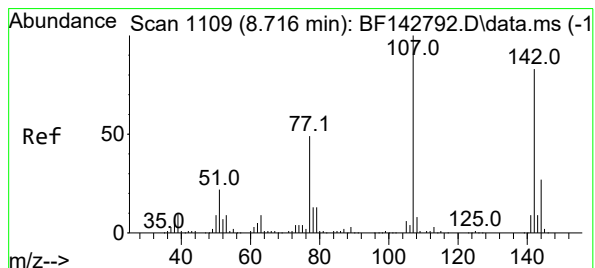
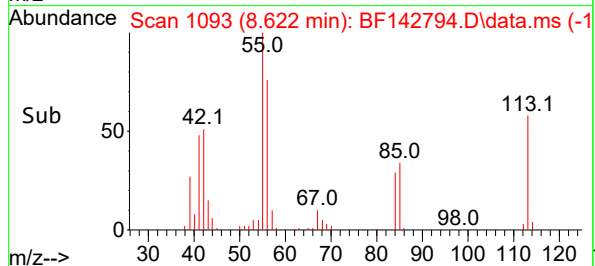
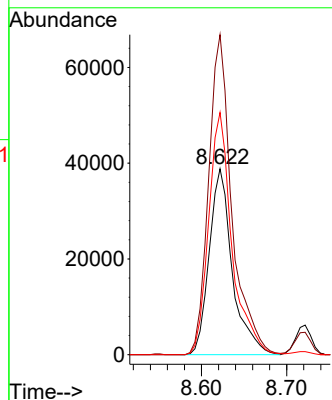
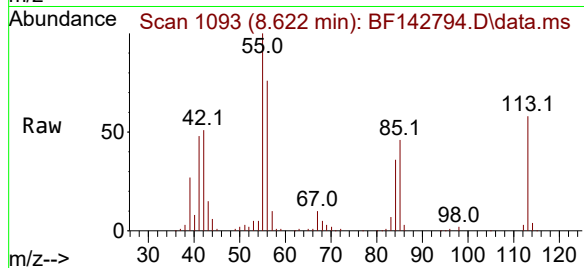




#35
Caprolactam
Concen: 61.157 ng
RT: 8.622 min Scan# 1109
Delta R.T. 0.018 min
Lab File: BF142794.D
Acq: 19 Jun 2025 20:10

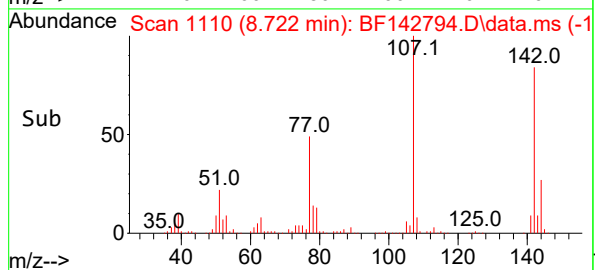
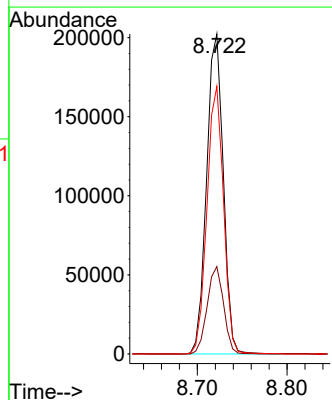
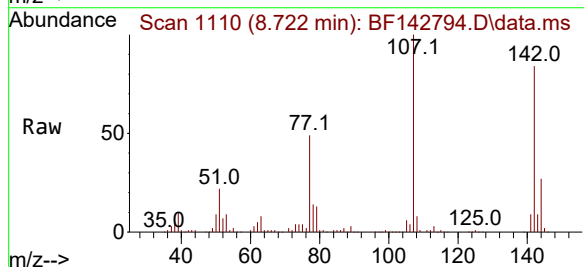
Instrument :
BNA_F
ClientSampleId :
SSTDICC060

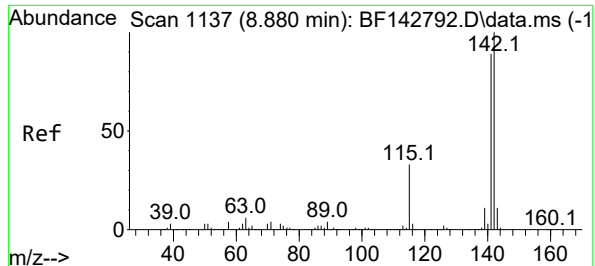
Tgt Ion:113 Resp: 73108
Ion Ratio Lower Upper
113 100
55 172.2 154.4 194.4
56 130.3 112.1 152.1



#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 :

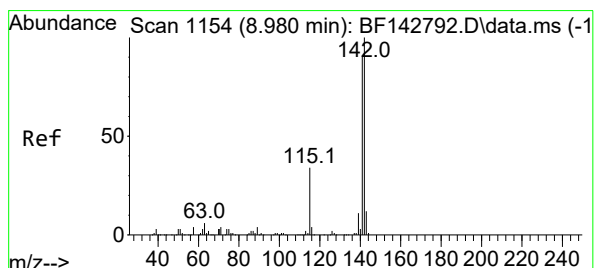
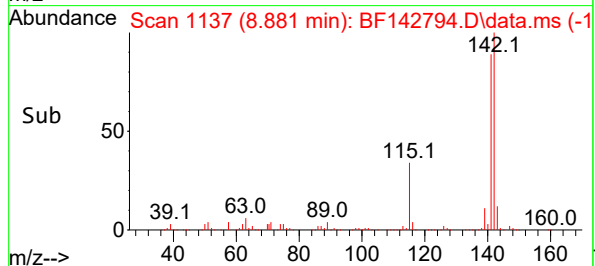
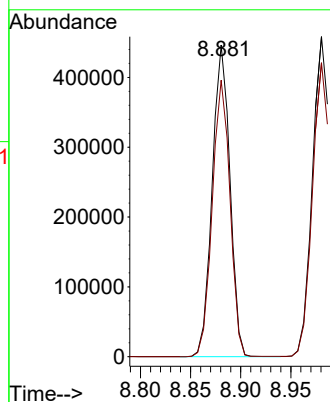
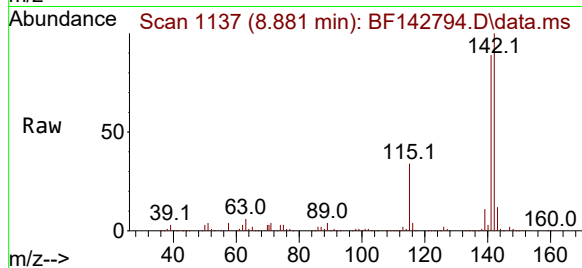
SSTDICC060

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

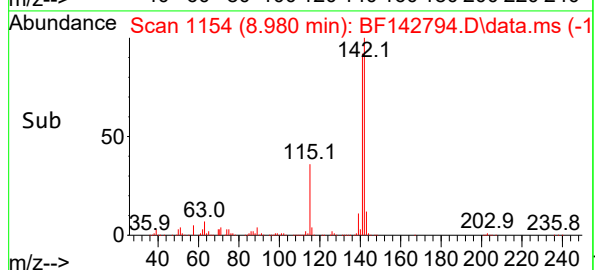
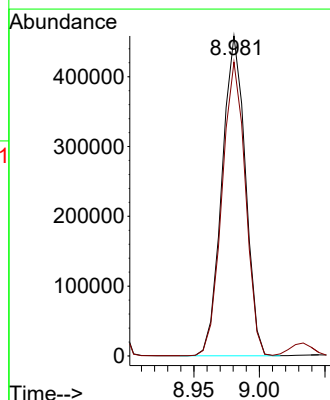
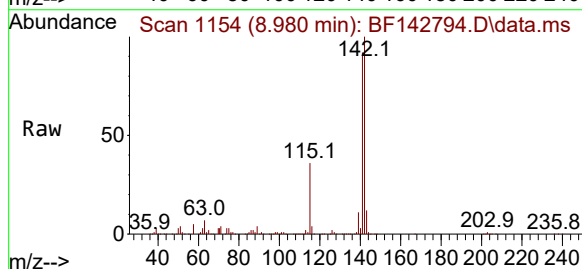
Acq: 19 Jun 2025 20:10

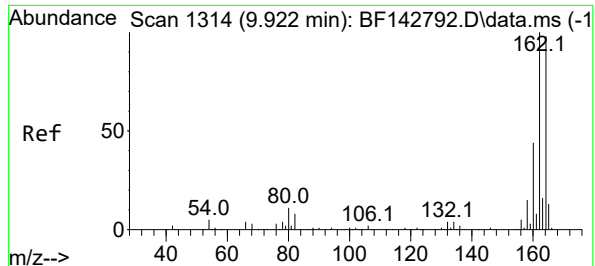
Tgt Ion:142 Resp: 567801

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

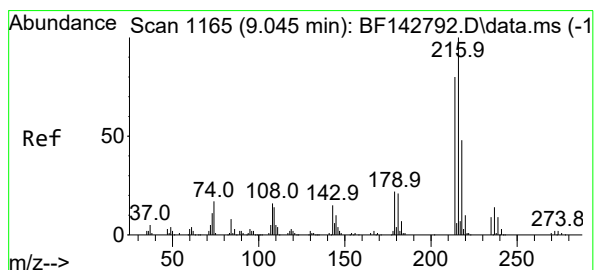
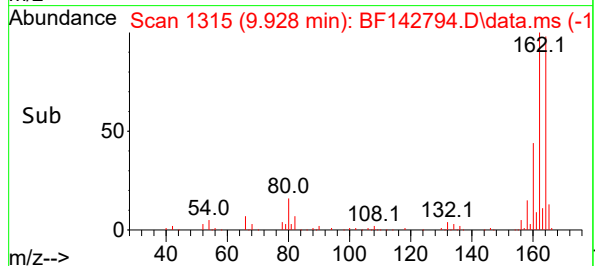
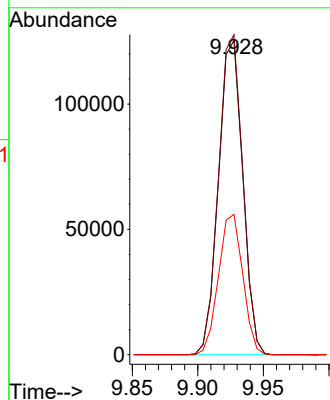
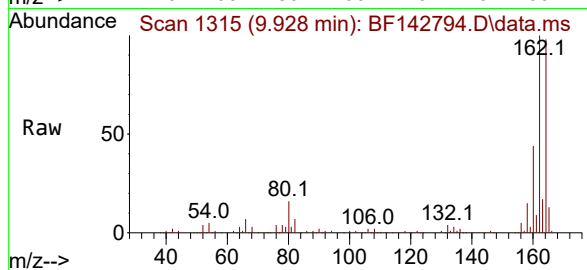
Tgt Ion:164 Resp: 161044

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

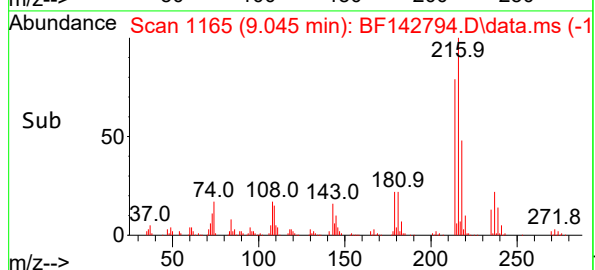
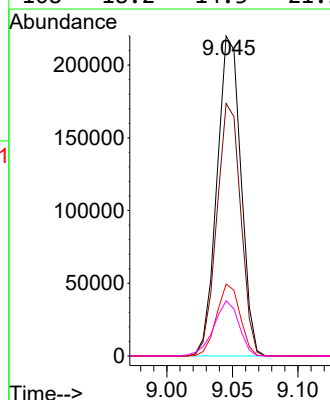
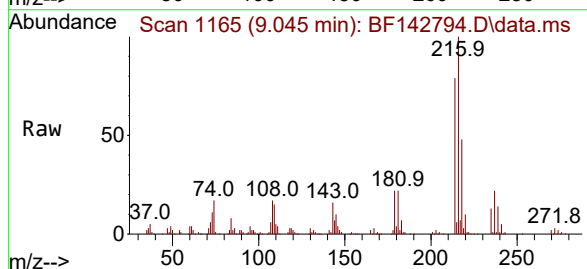
Ion Ratio Lower Upper

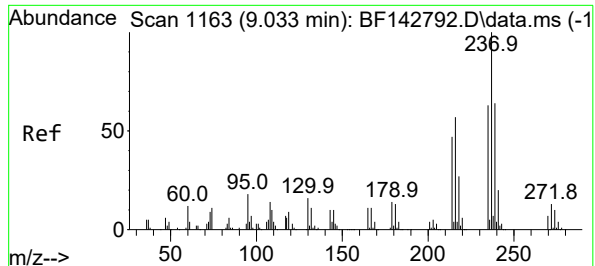
216 100

214 78.8 63.7 95.5

179 22.1 17.6 26.4

108 18.2 14.3 21.5

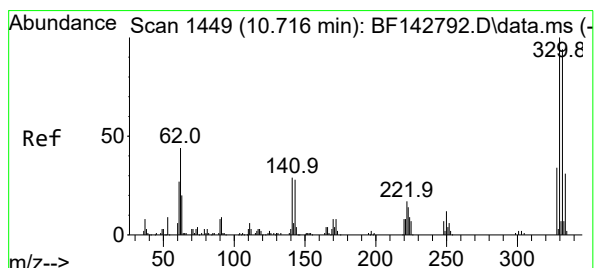
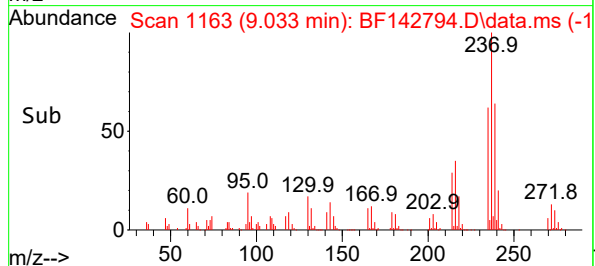
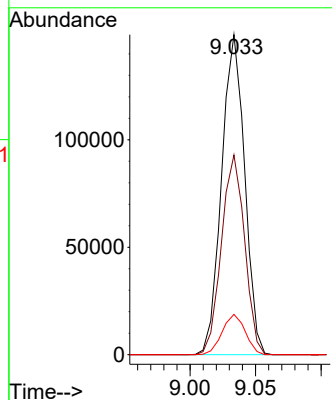
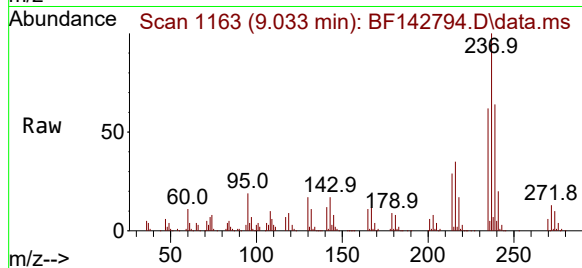




#41
Hexachlorocyclopentadiene
Concen: 61.835 ng
RT: 9.033 min Scan# 1163
Delta R.T. 0.000 min
Lab File: BF142794.D
Acq: 19 Jun 2025 20:10

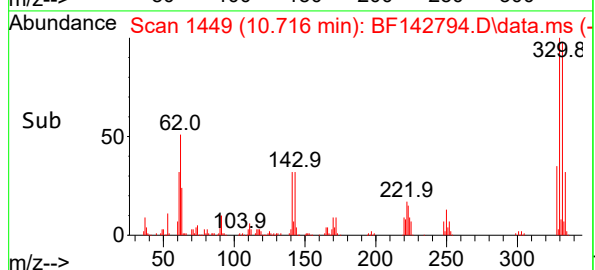
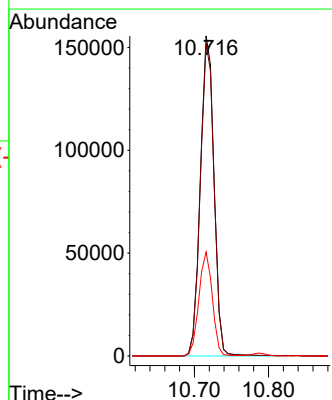
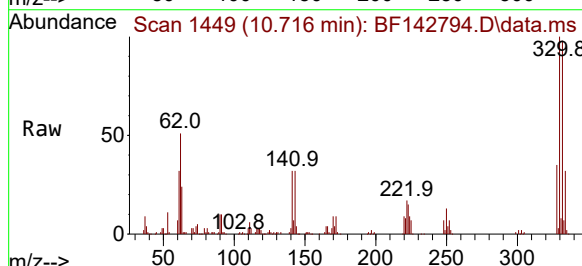
Instrument :
BNA_F
ClientSampleId :
SSTDICC060

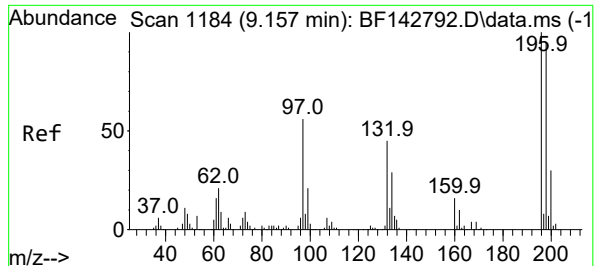
Tgt Ion:237 Resp: 181771
Ion Ratio Lower Upper
237 100
235 62.4 43.4 83.4
272 12.6 0.0 32.7



#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

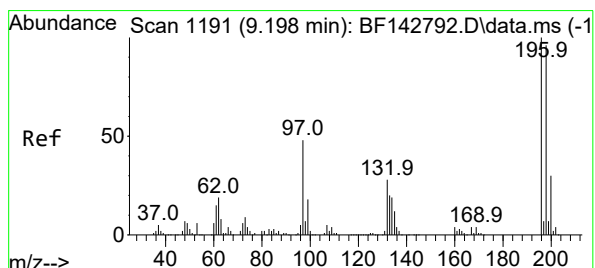
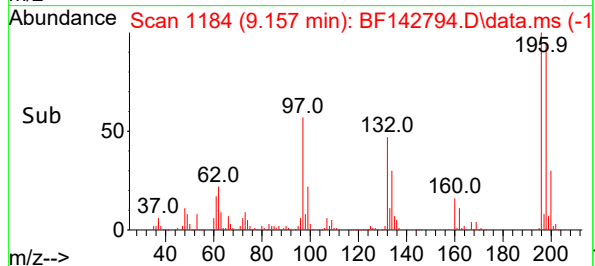
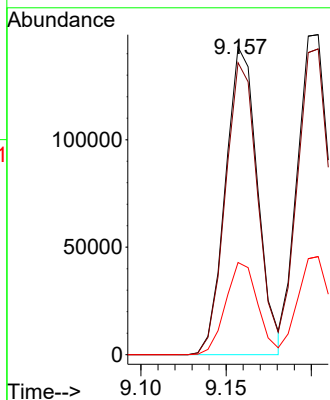
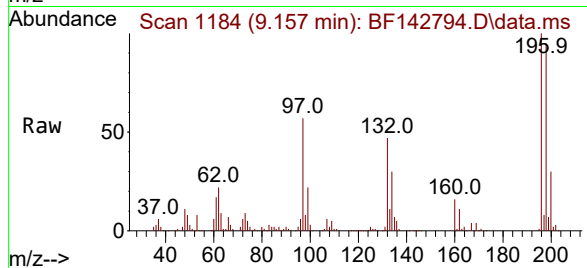
Tgt Ion:196 Resp: 187708

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

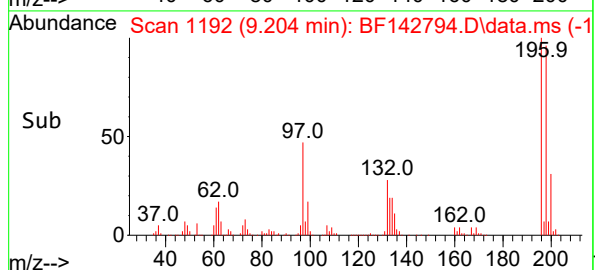
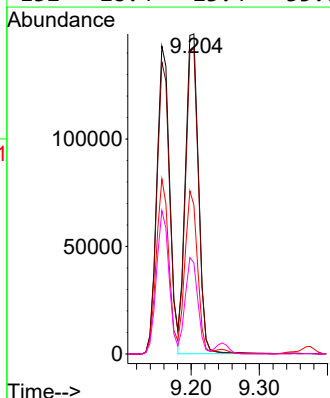
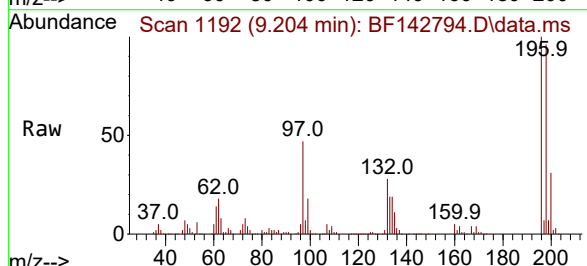
Ion Ratio Lower Upper

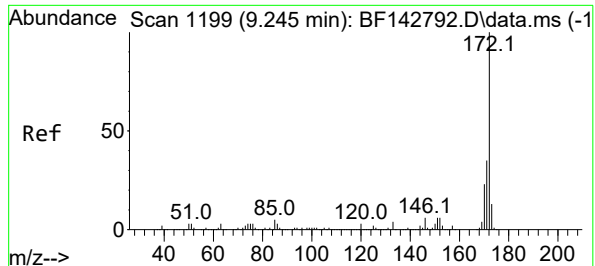
196 100

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

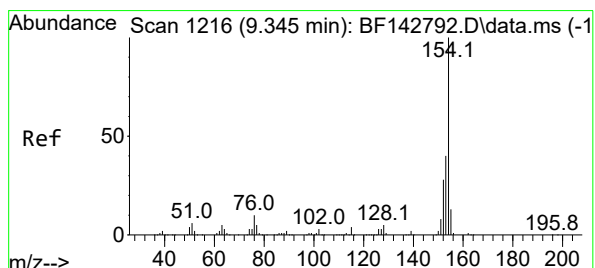
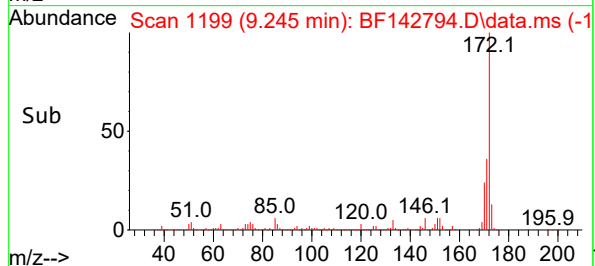
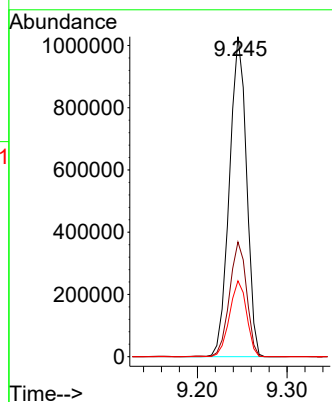
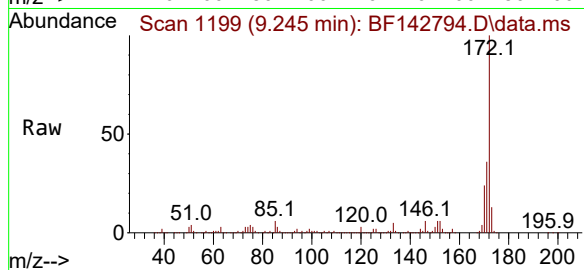
Tgt Ion:172 Resp: 1360586

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

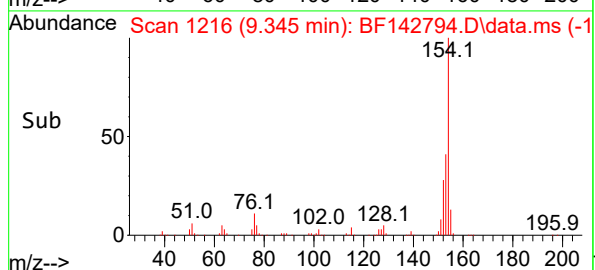
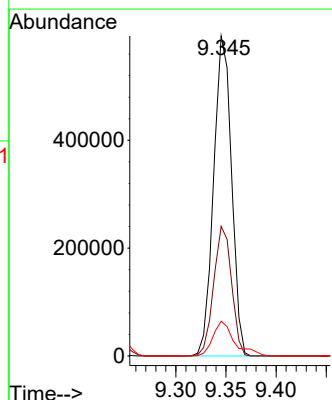
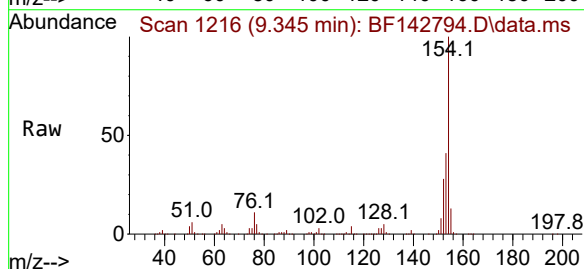
Tgt Ion:154 Resp: 736970

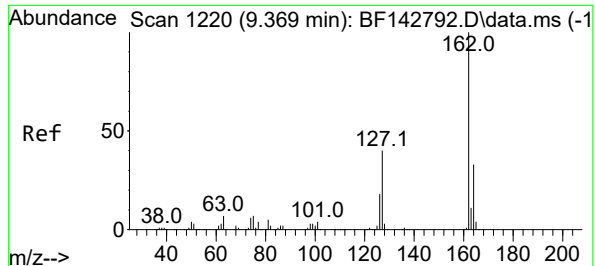
Ion Ratio Lower Upper

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

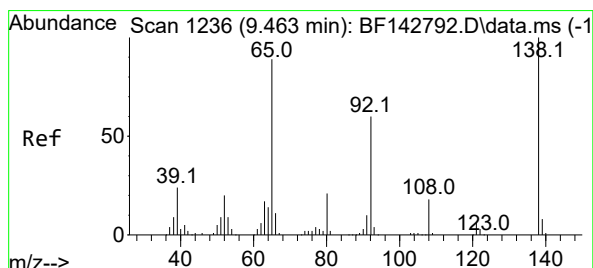
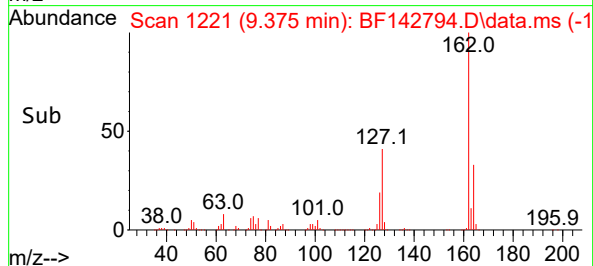
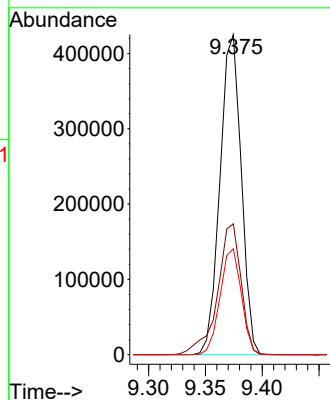
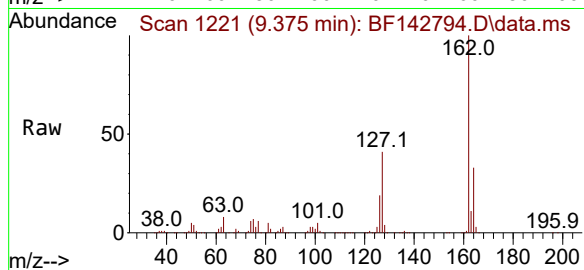
Tgt Ion:162 Resp: 553304

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

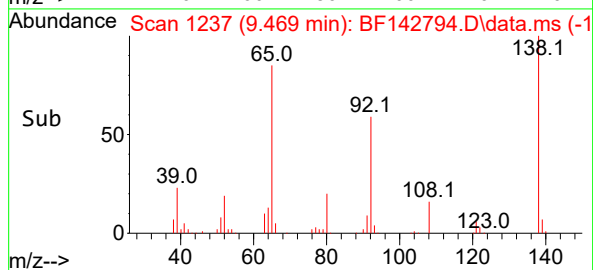
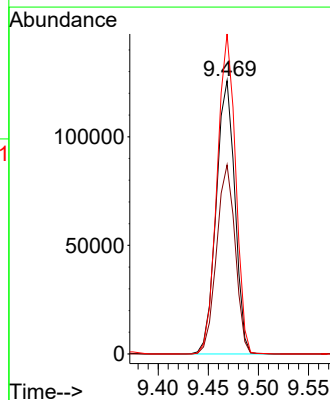
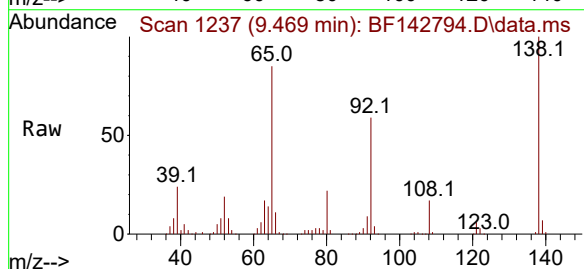
Tgt Ion: 65 Resp: 162701

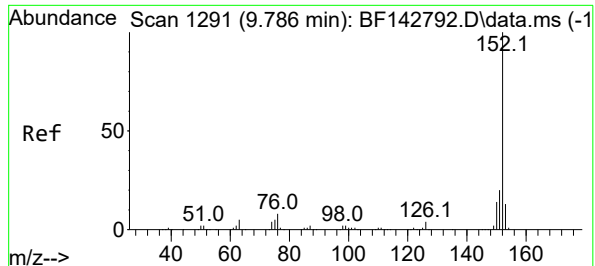
Ion Ratio Lower Upper

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

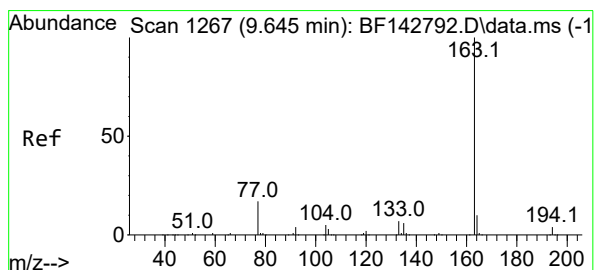
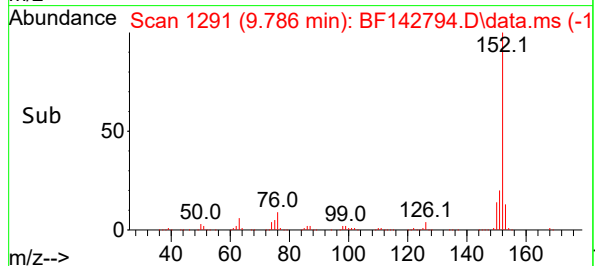
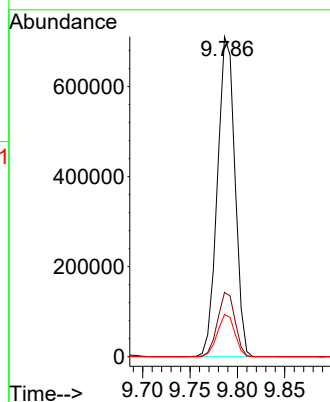
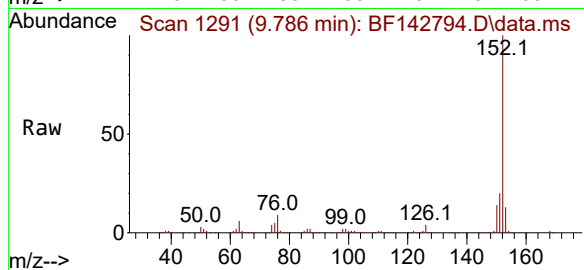
Tgt Ion:152 Resp: 913540

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

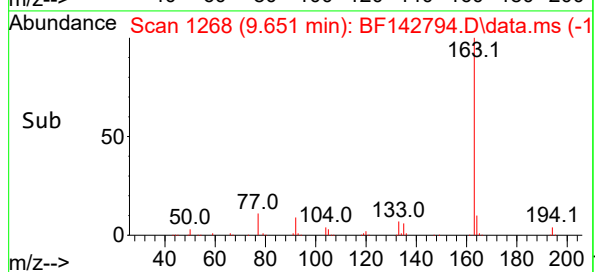
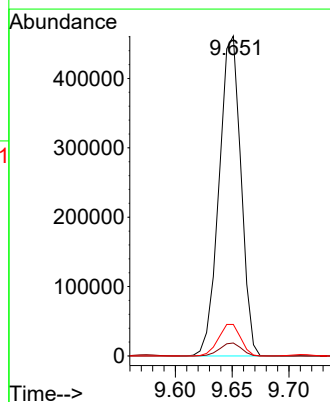
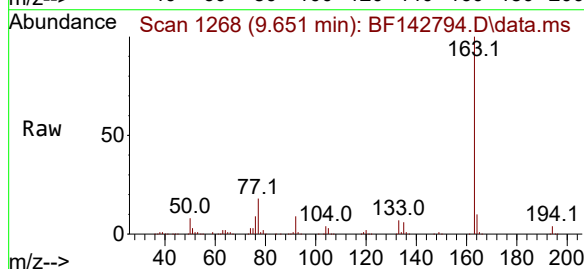
Tgt Ion:163 Resp: 617097

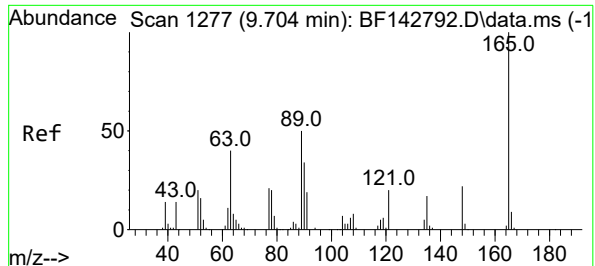
Ion Ratio Lower Upper

163 100

194 4.1 3.3 4.9

164 9.9 8.0 12.0

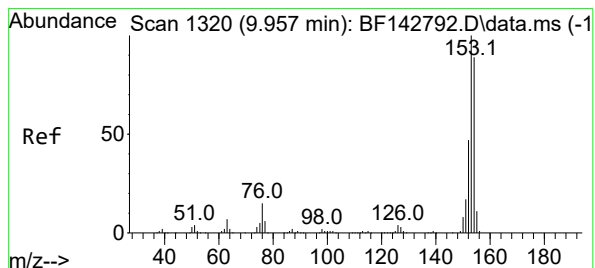
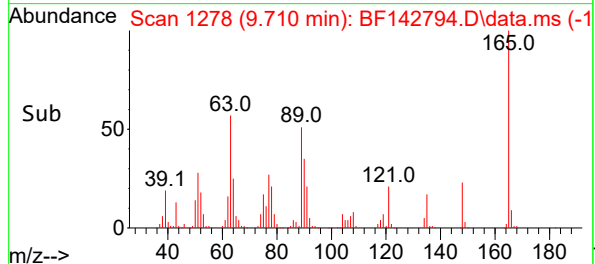
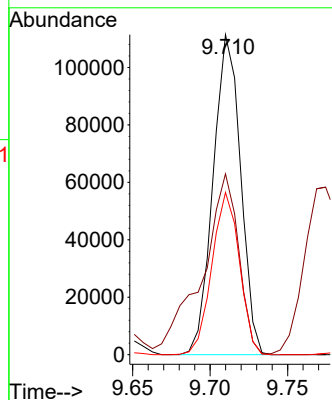
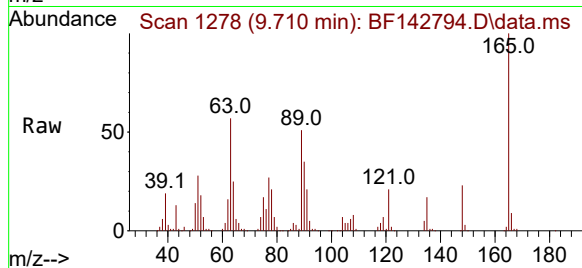




#51
2,6-Dinitrotoluene
Concen: 59.299 ng
RT: 9.710 min Scan# 1278
Delta R.T. 0.006 min
Lab File: BF142794.D
Acq: 19 Jun 2025 20:10

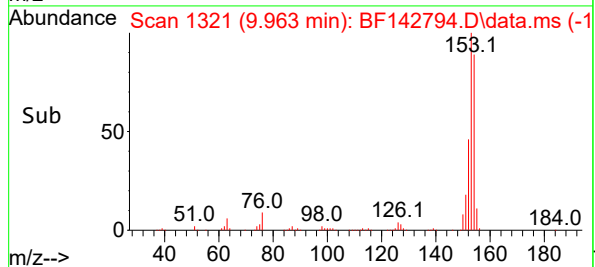
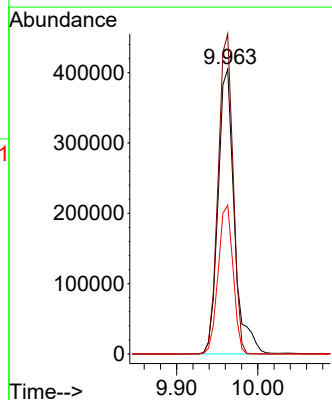
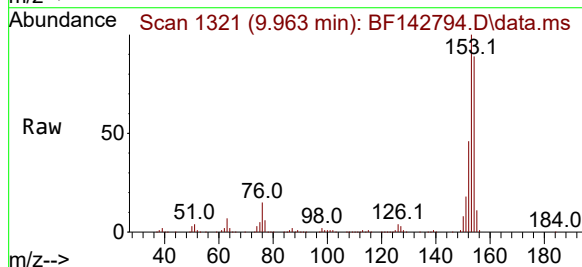
Instrument :
BNA_F
ClientSampleId :
SSTDICC060

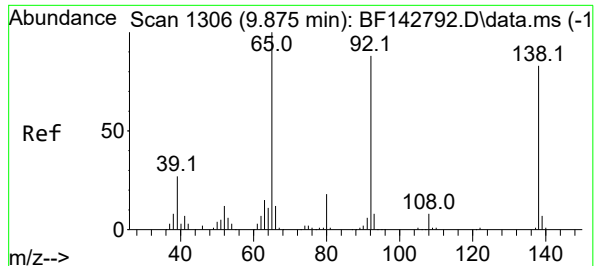
Tgt Ion:165 Resp: 137318
Ion Ratio Lower Upper
165 100
63 56.5 44.2 66.4
89 50.7 39.8 59.8



#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

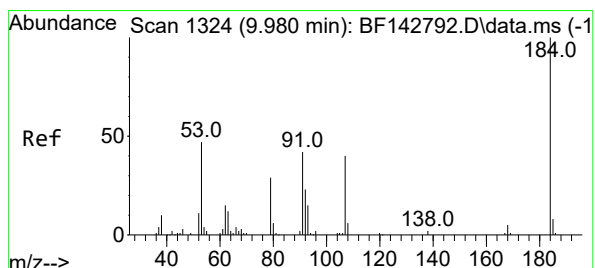
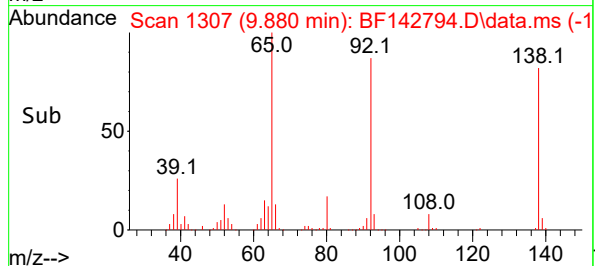
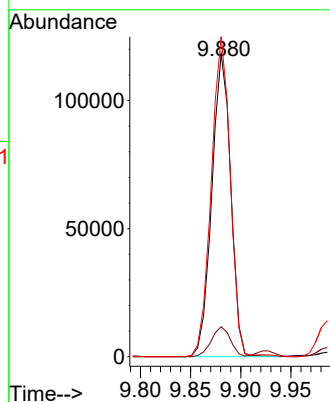
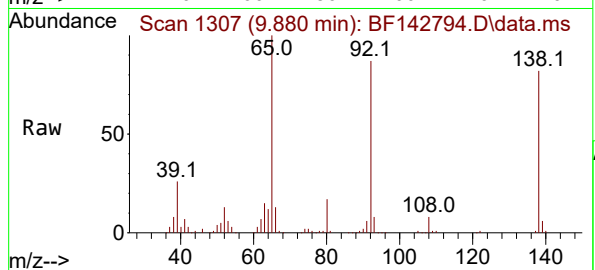
Tgt Ion:138 Resp: 154402

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

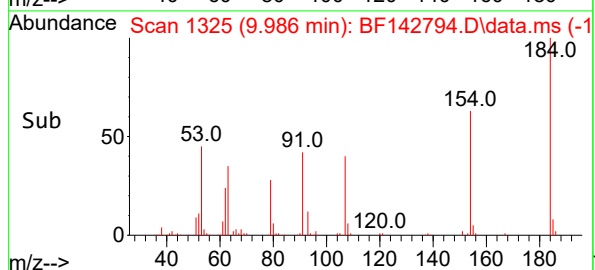
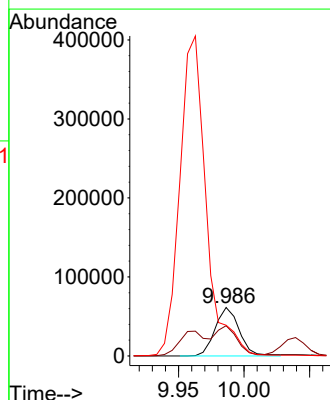
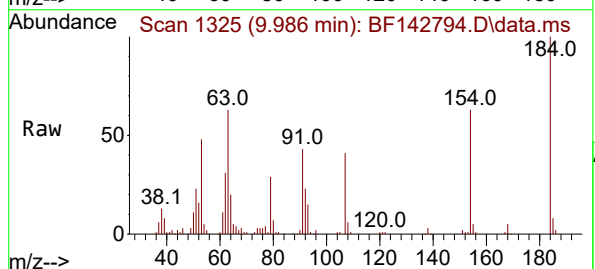
Tgt Ion:184 Resp: 78750

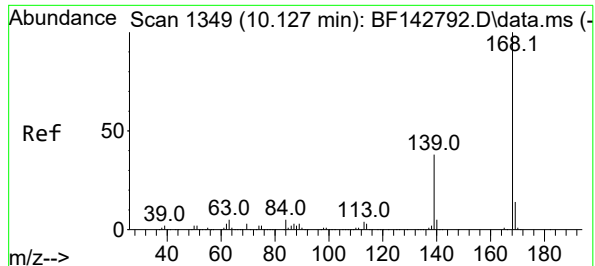
Ion Ratio Lower Upper

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

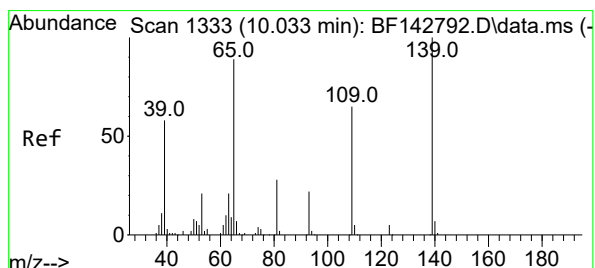
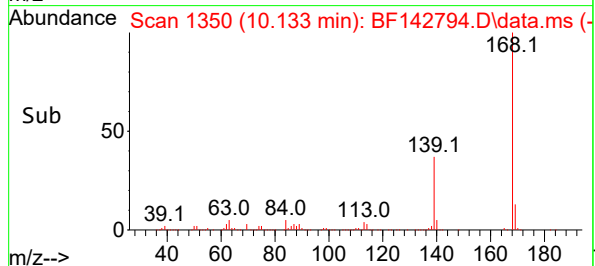
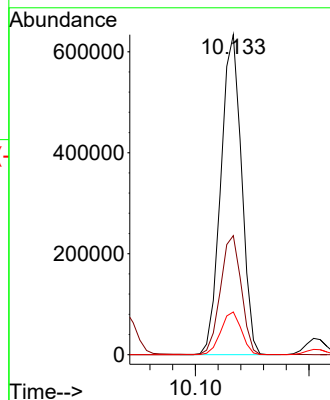
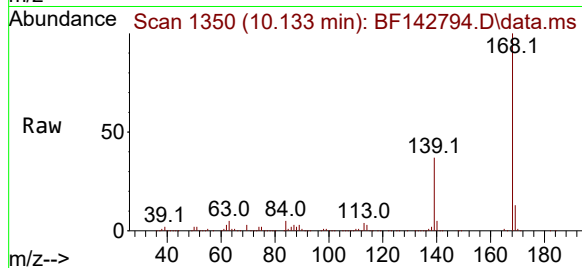
Tgt Ion:168 Resp: 802087

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

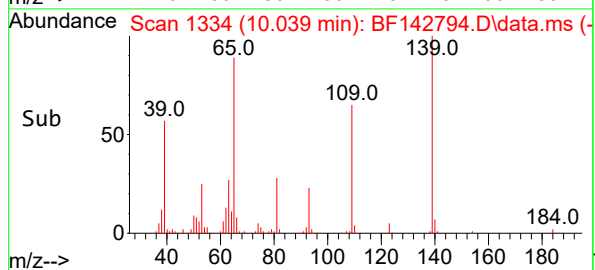
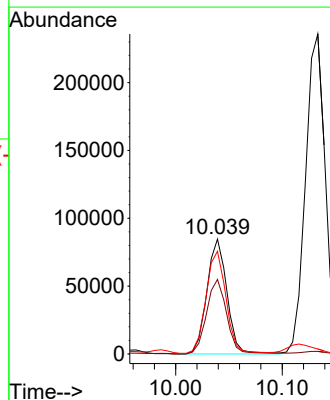
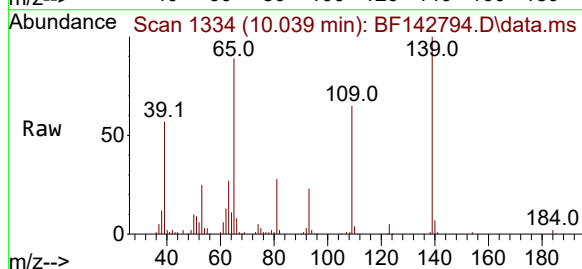
Tgt Ion:139 Resp: 110658

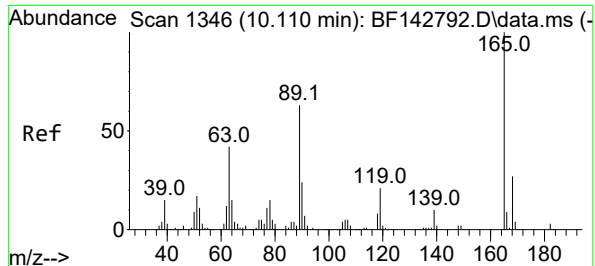
Ion Ratio Lower Upper

139 100

109 64.8 44.7 84.7

65 89.3 69.8 109.8

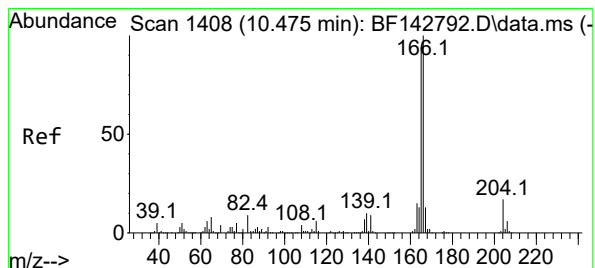
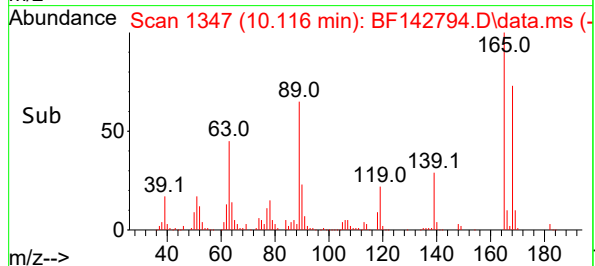
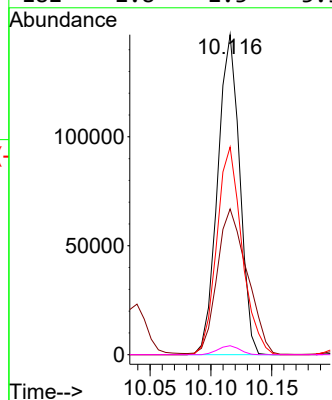
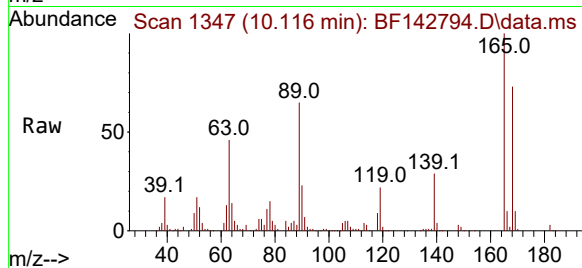




#57
2,4-Dinitrotoluene
Concen: 60.367 ng
RT: 10.116 min Scan# 1346
Delta R.T. 0.006 min
Lab File: BF142794.D
Acq: 19 Jun 2025 20:10

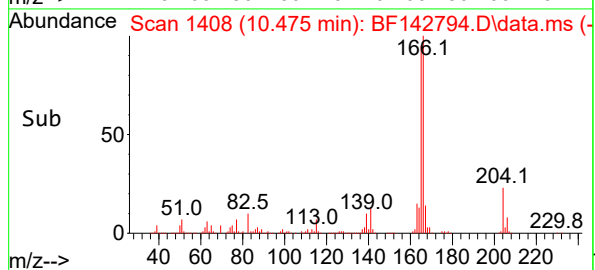
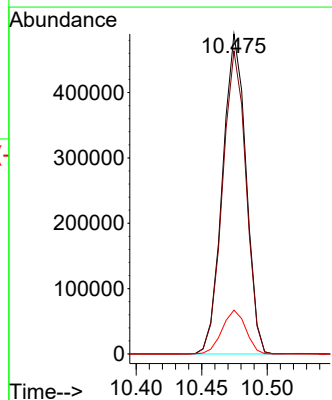
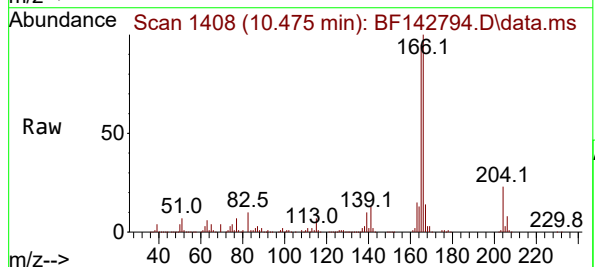
Instrument :
BNA_F
ClientSampleId :
SSTDICC060

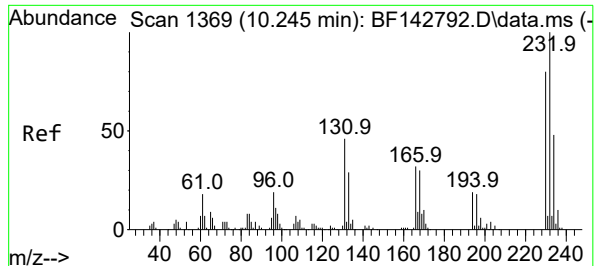
Tgt Ion:165 Resp: 184840
Ion Ratio Lower Upper
165 100
63 45.6 33.9 50.9
89 64.9 50.6 75.8
182 2.8 2.3 3.5



#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

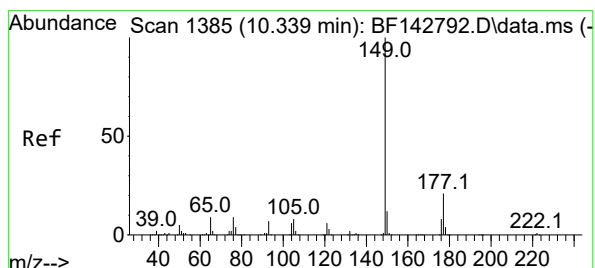
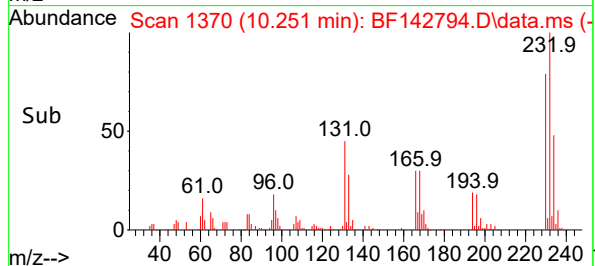
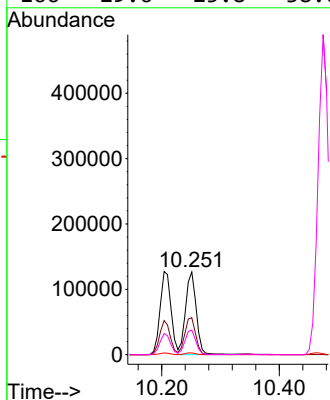
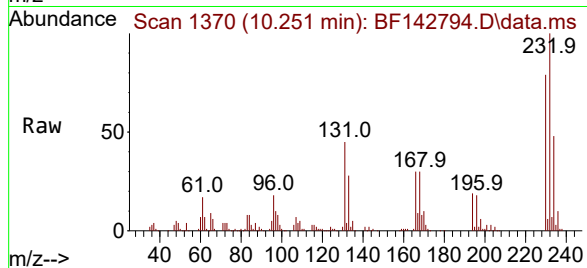




#59
2,3,4,6-Tetrachlorophenol
Concen: 58.739 ng
RT: 10.251 min Scan# 1370
Delta R.T. 0.006 min
Lab File: BF142794.D
Acq: 19 Jun 2025 20:10

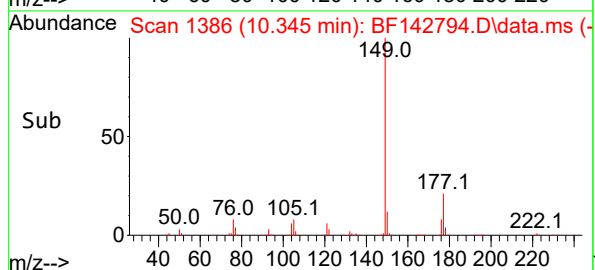
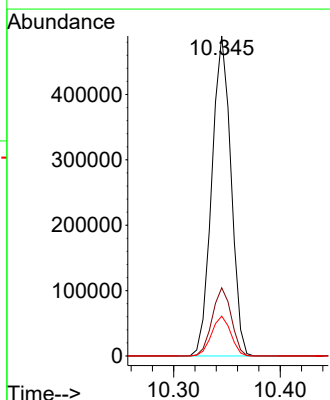
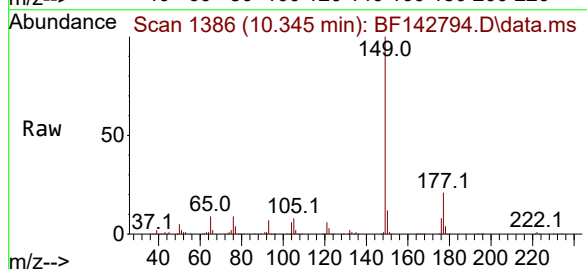
Instrument :
BNA_F
ClientSampleId :
SSTDICC060

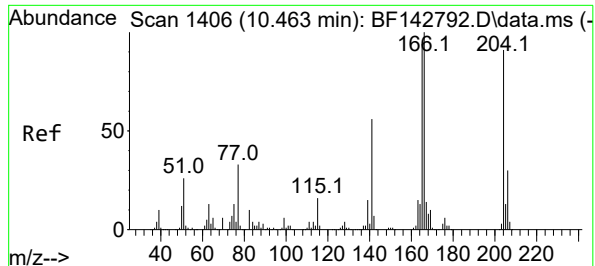
Tgt Ion:232 Resp: 159997
Ion Ratio Lower Upper
232 100
131 45.6 37.6 56.4
130 2.2 1.7 2.5
166 29.6 25.8 38.6



#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

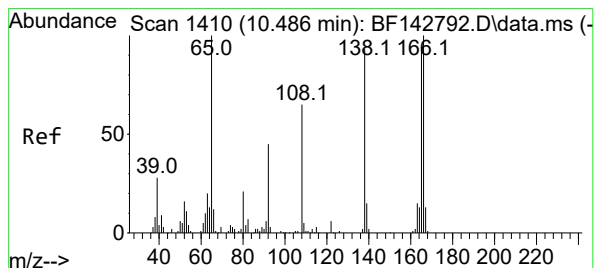
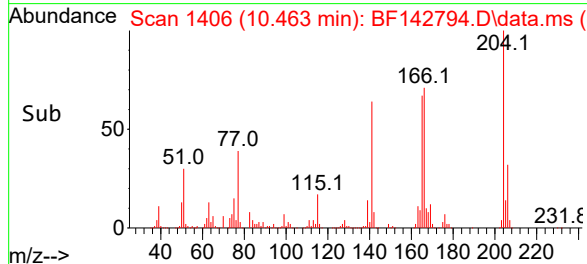
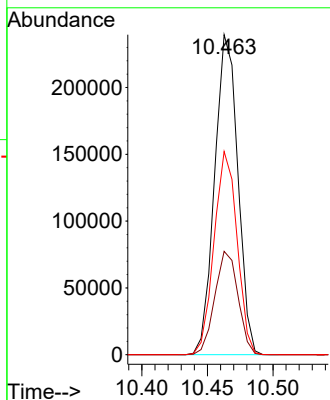
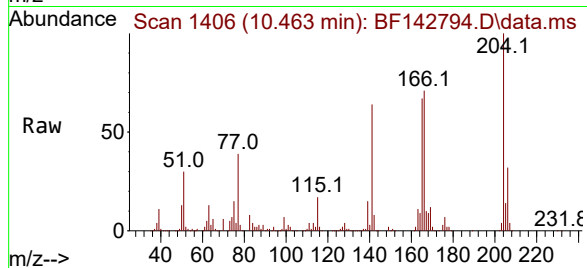




#61
4-Chlorophenyl-phenylether
Concen: 56.089 ng
RT: 10.463 min Scan# 1406
Delta R.T. 0.000 min
Lab File: BF142794.D
Acq: 19 Jun 2025 20:10

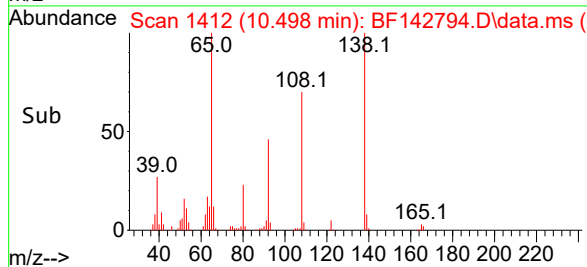
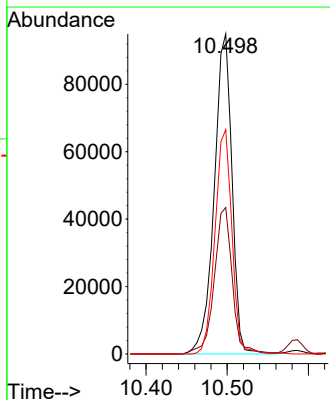
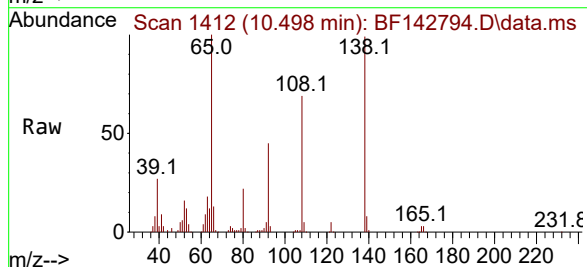
Instrument :
BNA_F
ClientSampleId :
SSTDICC060

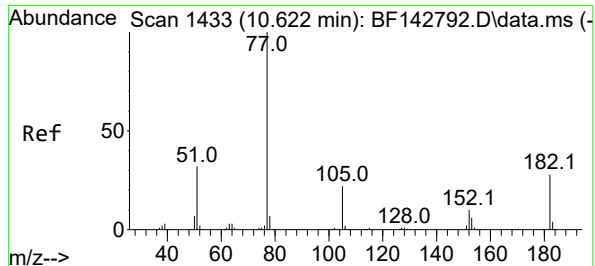
Tgt Ion:204 Resp: 294444
Ion Ratio Lower Upper
204 100
206 32.3 26.3 39.5
141 63.5 49.1 73.7



#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

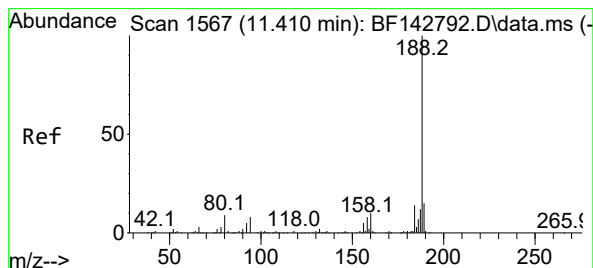
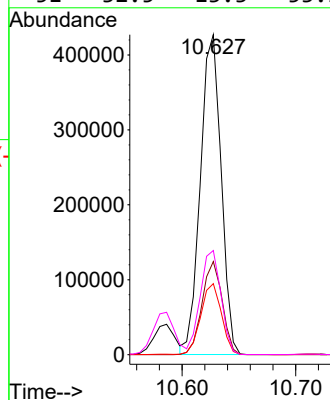
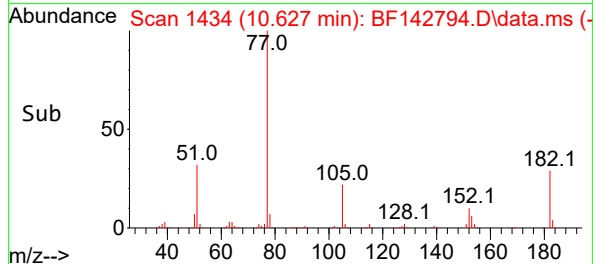
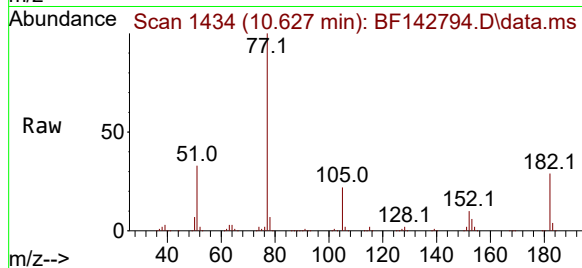




#63
Azobenzene
Concen: 58.460 ng
RT: 10.627 min Scan# 1433
Delta R.T. 0.006 min
Lab File: BF142794.D
Acq: 19 Jun 2025 20:10

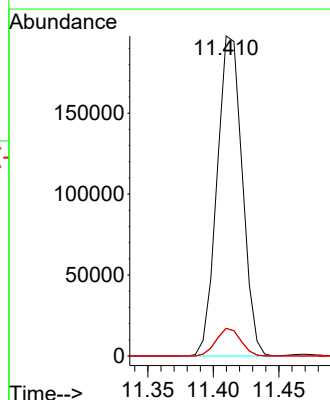
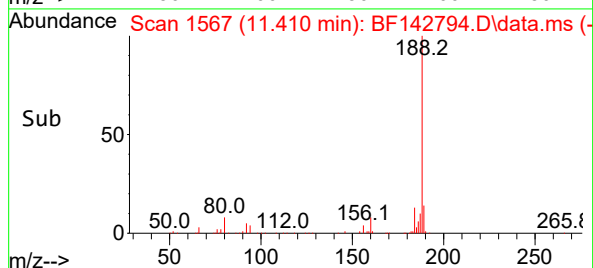
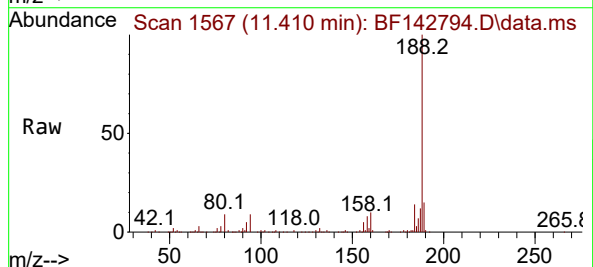
Instrument :
BNA_F
ClientSampleId :
SSTDICC060

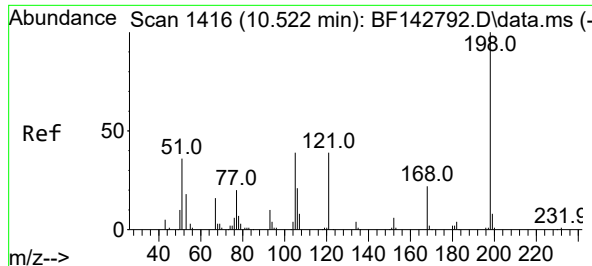
Tgt Ion	Ratio	Lower	Upper
77	100		
182	29.1	7.7	47.7
105	22.2	1.9	41.9
51	32.5	13.3	53.3



#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	Ratio	Lower	Upper
188	100		
94	8.6	6.7	10.1
80	8.6	6.9	10.3

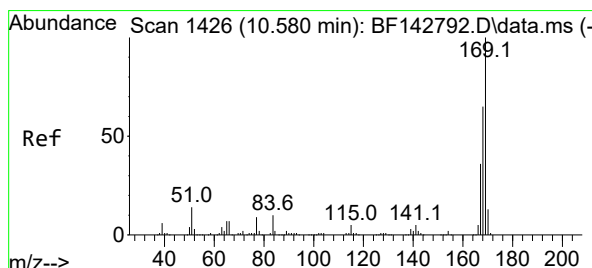
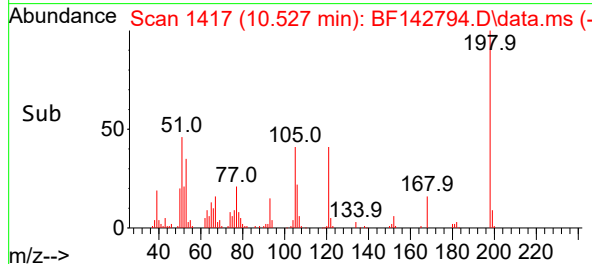
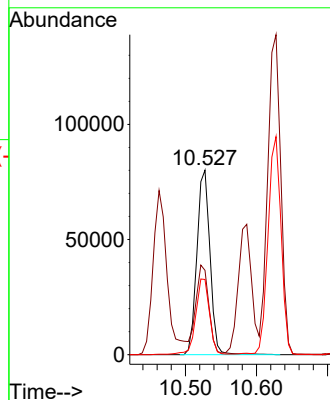
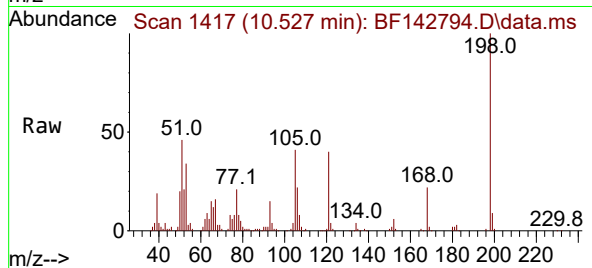




#65
4,6-Dinitro-2-methylphenol
Concen: 62.814 ng
RT: 10.527 min Scan# 1416
Delta R.T. 0.006 min
Lab File: BF142794.D
Acq: 19 Jun 2025 20:10

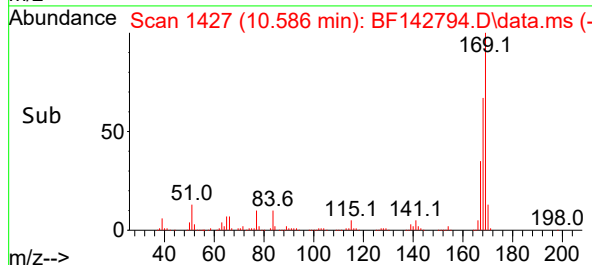
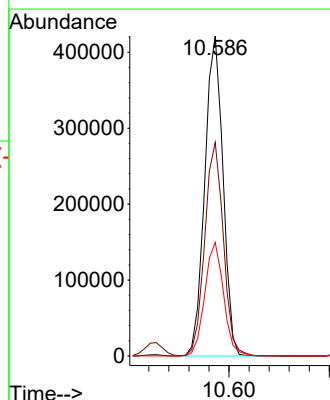
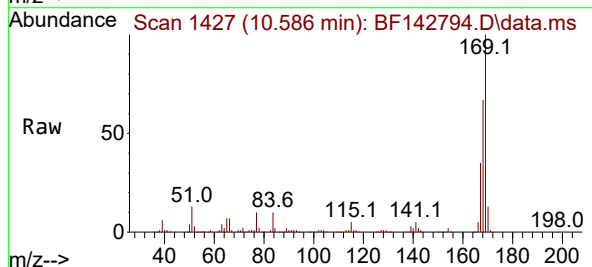
Instrument :
BNA_F
ClientSampleId :
SSTDICC060

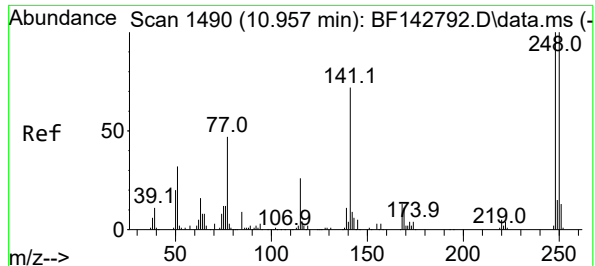
Tgt Ion:198 Resp: 103180
Ion Ratio Lower Upper
198 100
51 45.7 25.4 65.4
105 40.7 20.4 60.4



#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

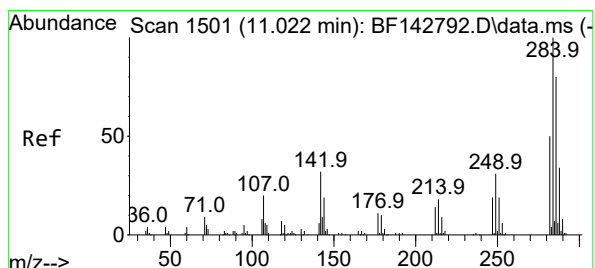
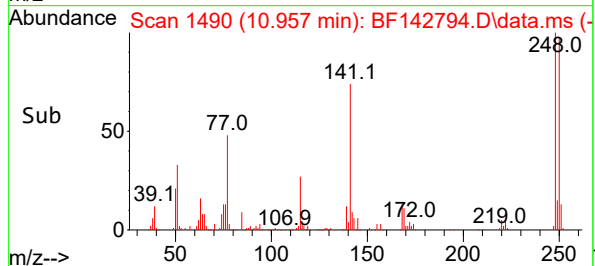
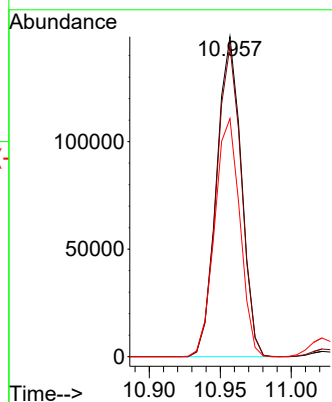
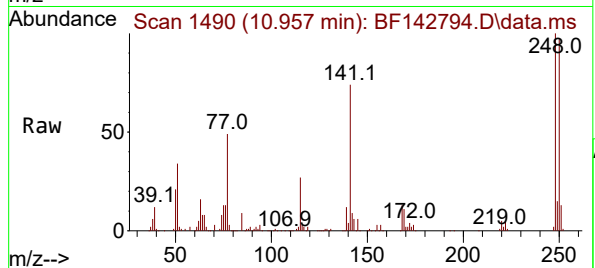




#67
4-Bromophenyl-phenylether
Concen: 58.311 ng
RT: 10.957 min Scan# 1490
Delta R.T. 0.000 min
Lab File: BF142794.D
Acq: 19 Jun 2025 20:10

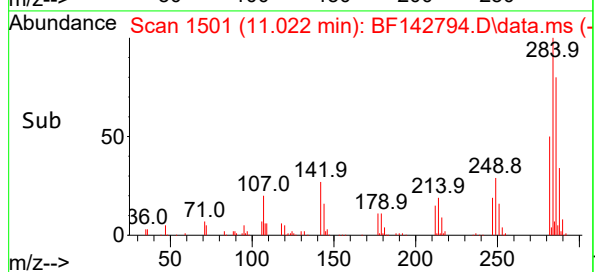
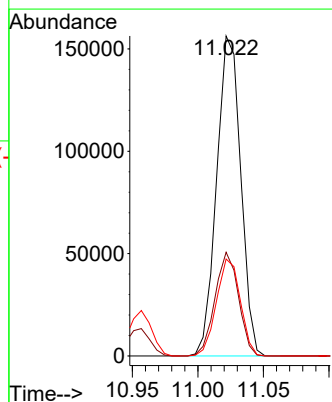
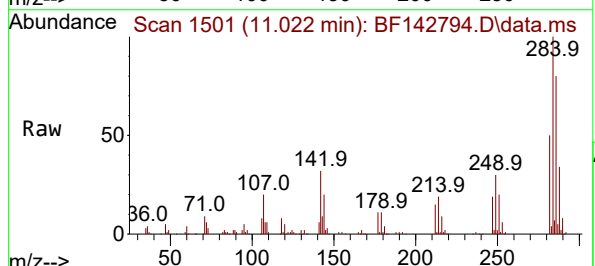
Instrument :
BNA_F
ClientSampleId :
SSTDICC060

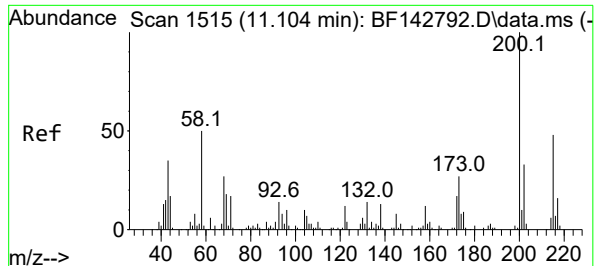
Tgt Ion:248 Resp: 180519
Ion Ratio Lower Upper
248 100
250 97.1 79.8 119.8
141 74.4 57.8 86.6



#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

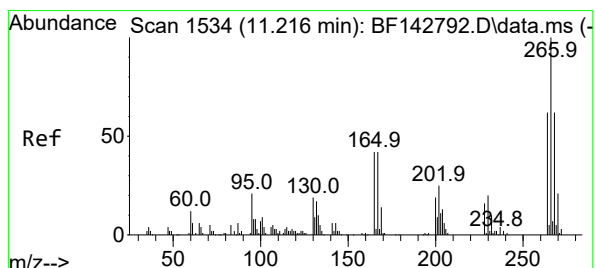
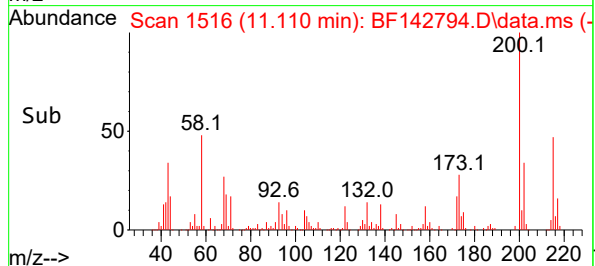
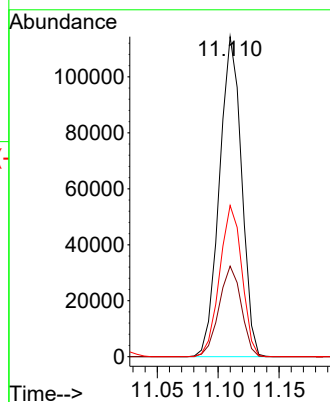
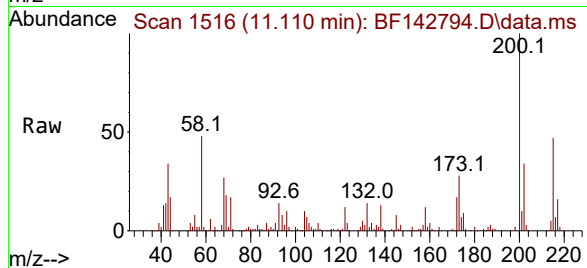
Tgt Ion:200 Resp: 144880

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

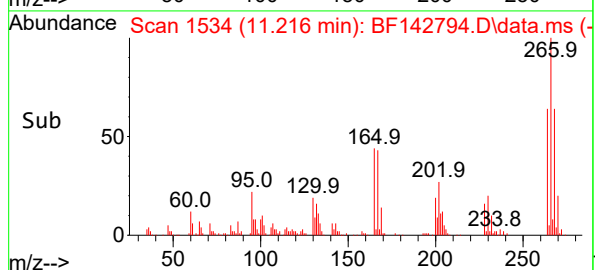
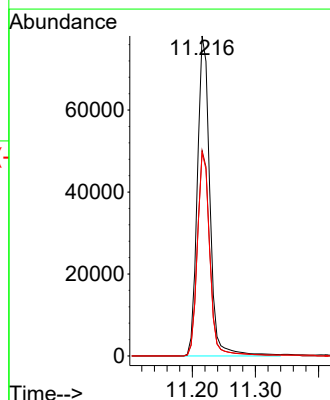
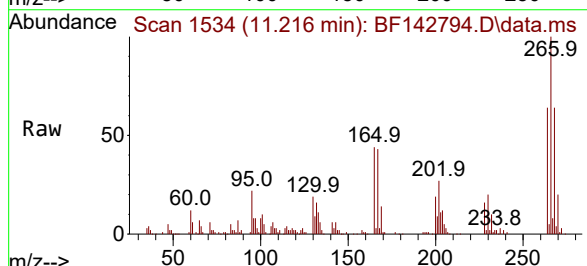
Tgt Ion:266 Resp: 107141

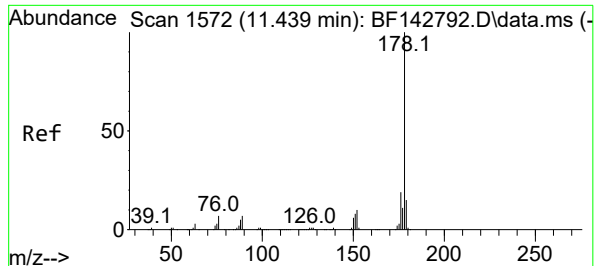
Ion Ratio Lower Upper

266 100

268 64.2 49.8 74.8

264 63.5 49.9 74.9

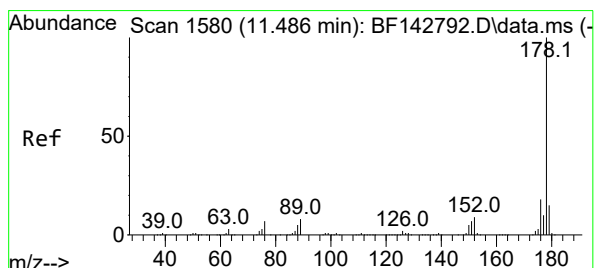
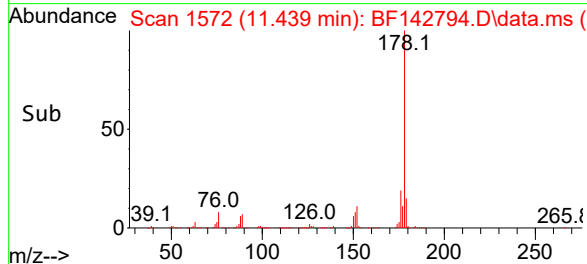
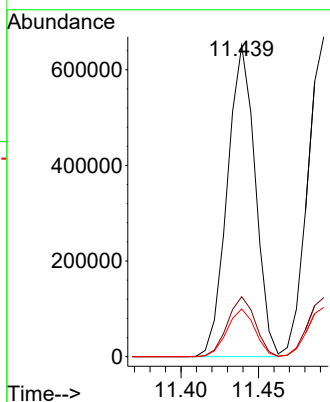
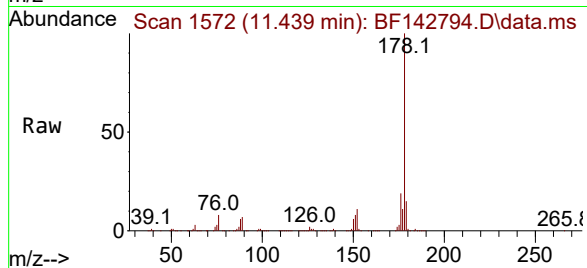




#71
Phenanthrene
Concen: 57.611 ng
RT: 11.439 min Scan# 1572
Delta R.T. 0.000 min
Lab File: BF142794.D
Acq: 19 Jun 2025 20:10

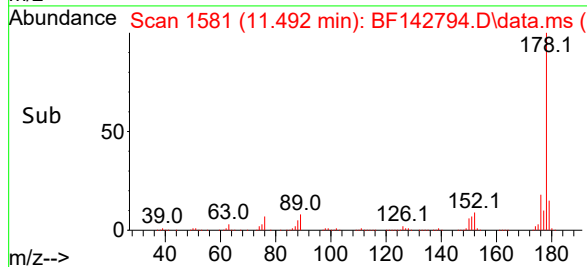
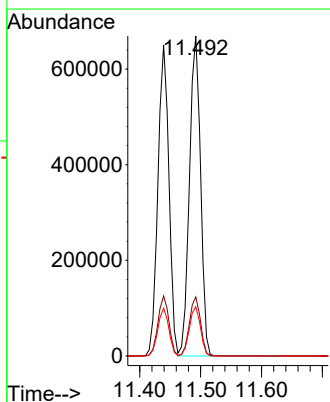
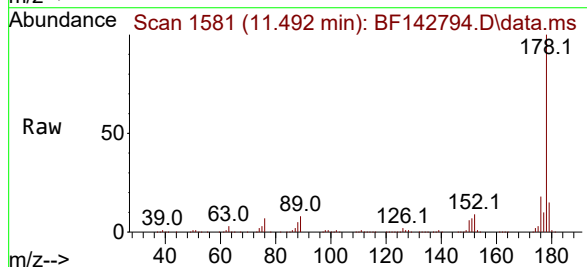
Instrument :
BNA_F
ClientSampleId :
SSTDICC060

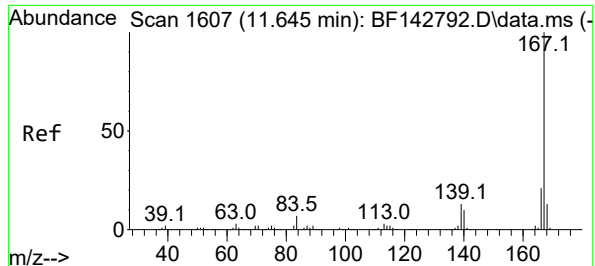
Tgt Ion:178 Resp: 815330
Ion Ratio Lower Upper
178 100
176 19.3 15.1 22.7
179 15.4 12.0 18.0



#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

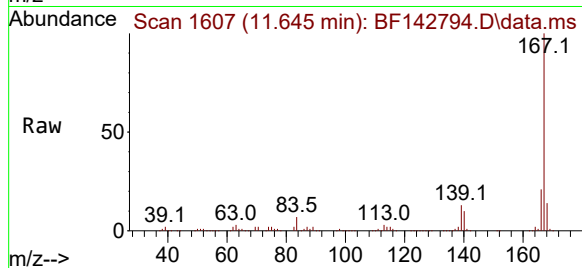
Tgt Ion:178 Resp: 844549
Ion Ratio Lower Upper
178 100
176 18.5 14.6 21.8
179 15.4 12.4 18.6



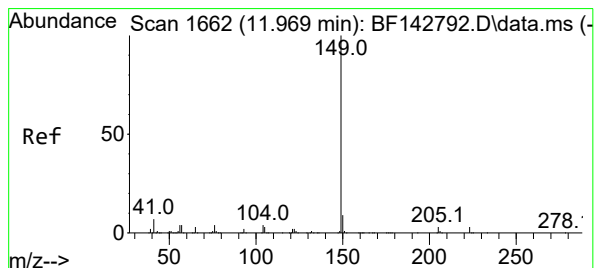
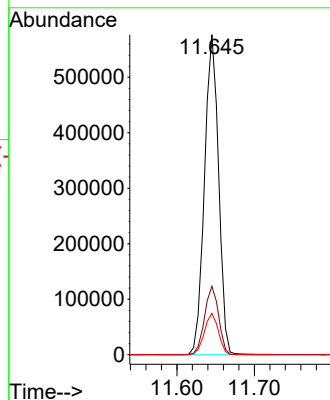
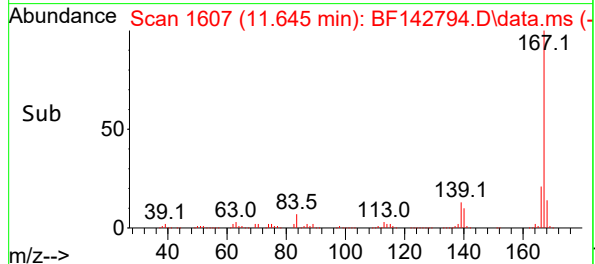


#73
Carbazole
Concen: 59.457 ng
RT: 11.645 min Scan# 1607
Delta R.T. 0.000 min
Lab File: BF142794.D
Acq: 19 Jun 2025 20:10

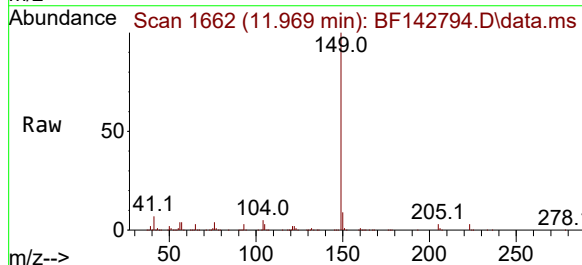
Instrument :
BNA_F
ClientSampleId :
SSTDICC060



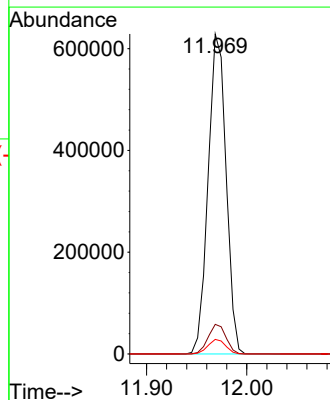
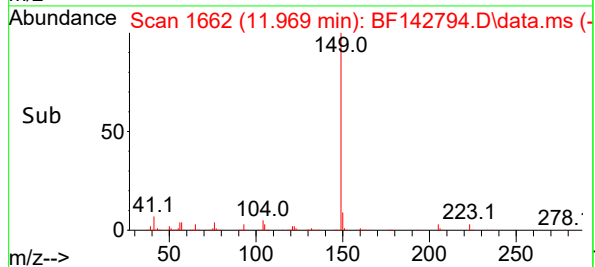
Tgt Ion:167 Resp: 729372
Ion Ratio Lower Upper
167 100
166 21.4 17.0 25.4
139 12.9 10.2 15.2

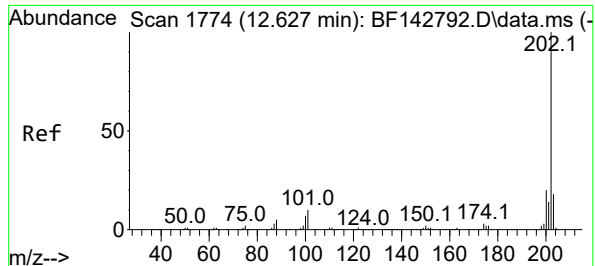


#74
Di-n-butylphthalate
Concen: 57.759 ng
RT: 11.969 min Scan# 1662
Delta R.T. 0.000 min
Lab File: BF142794.D
Acq: 19 Jun 2025 20:10



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

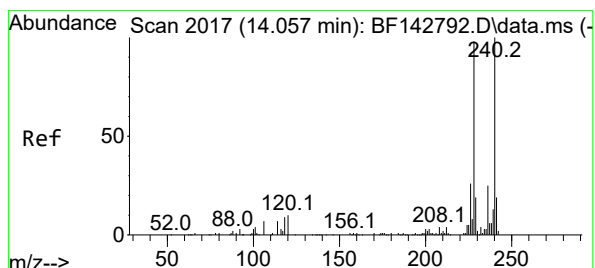
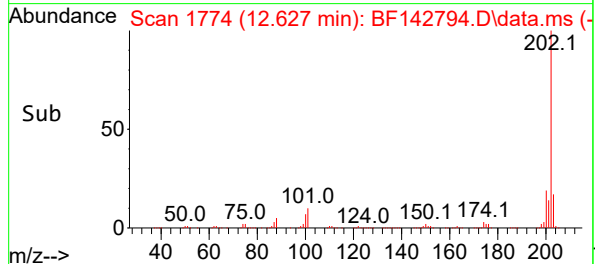
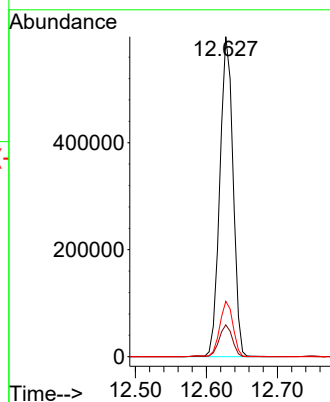
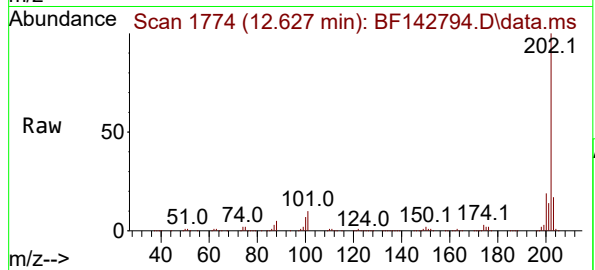




#75
Fluoranthene
Concen: 57.300 ng
RT: 12.627 min Scan# 1774
Delta R.T. 0.000 min
Lab File: BF142794.D
Acq: 19 Jun 2025 20:10

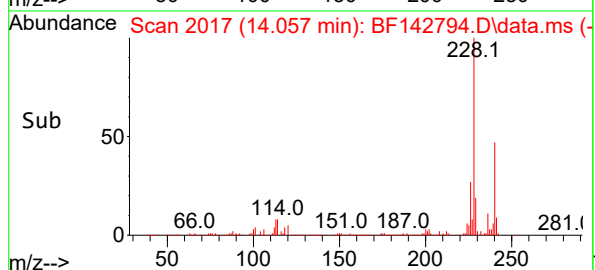
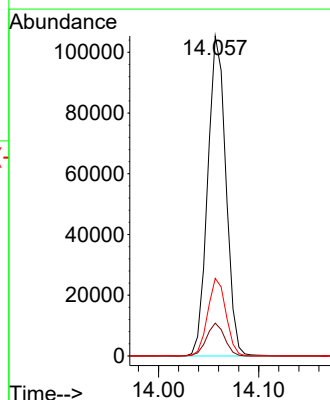
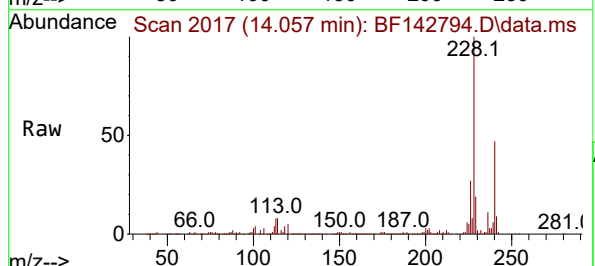
Instrument :
BNA_F
ClientSampleId :
SSTDICC060

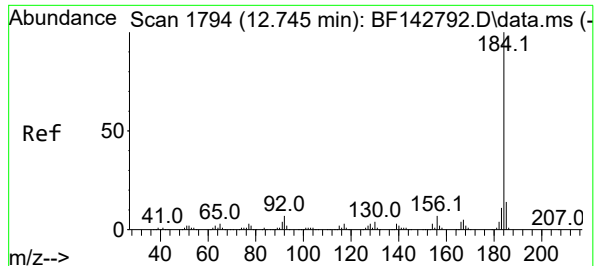
Tgt Ion	Ratio	Lower	Upper
202	100		
101	10.0	0.0	29.7
203	17.3	0.0	37.5



#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	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

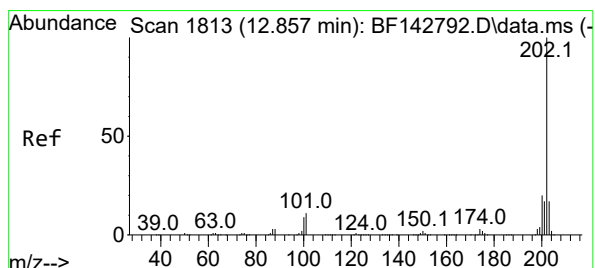
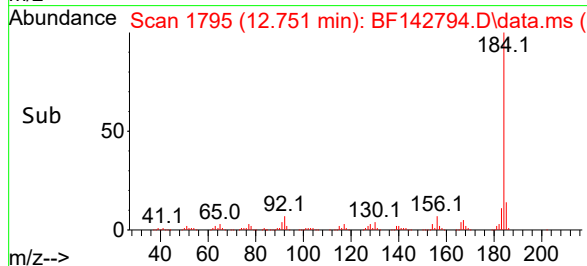
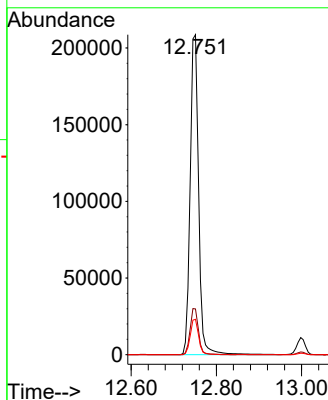
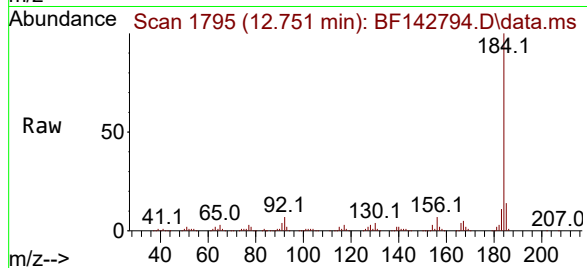
Tgt Ion:184 Resp: 287238

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

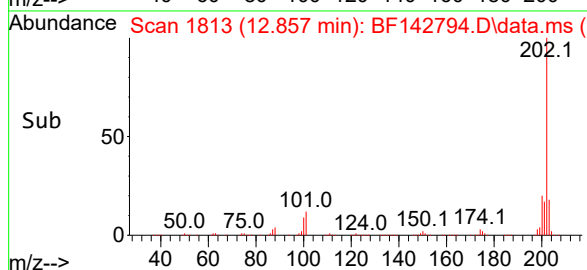
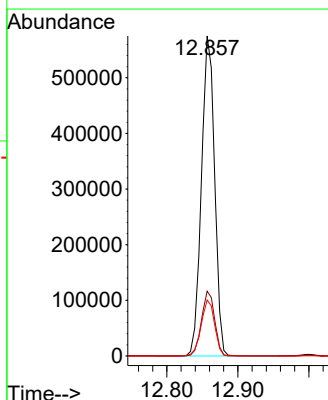
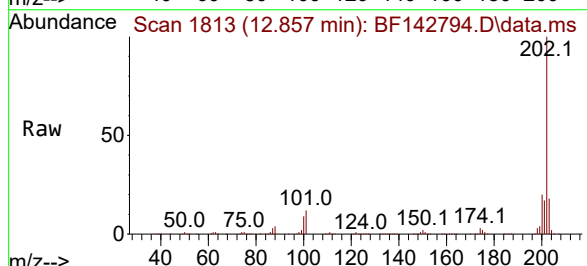
Tgt Ion:202 Resp: 744567

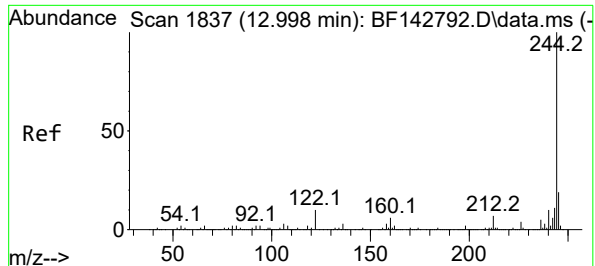
Ion Ratio Lower Upper

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

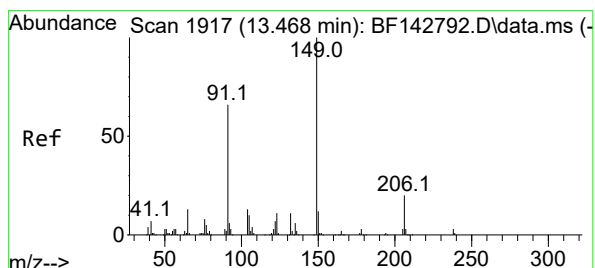
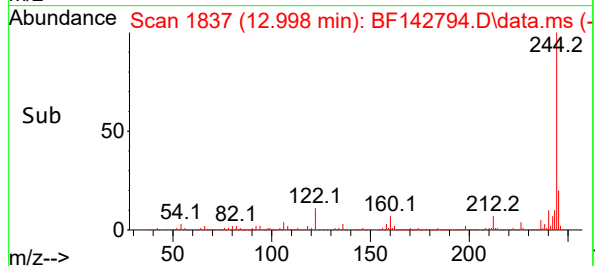
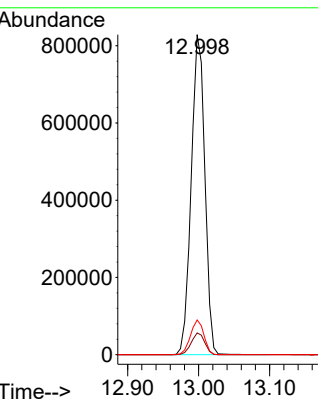
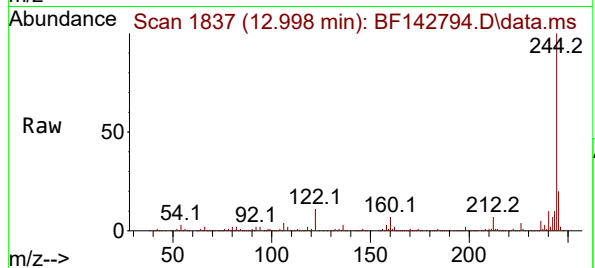
Tgt Ion:244 Resp: 1107704

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

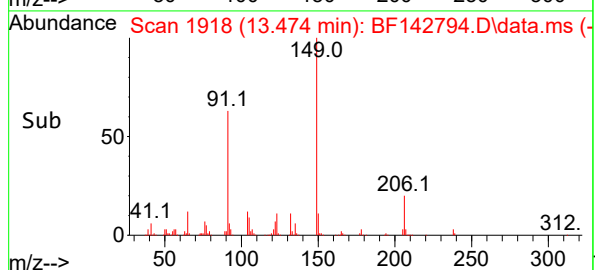
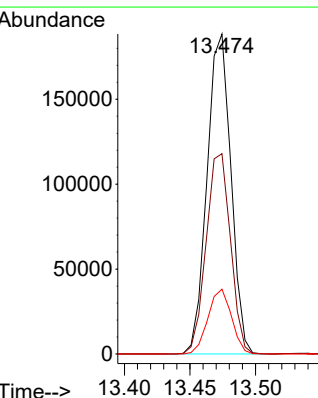
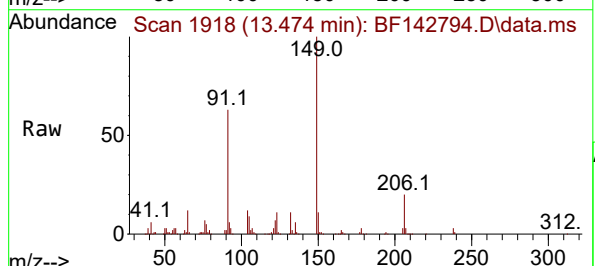
Tgt Ion:149 Resp: 238584

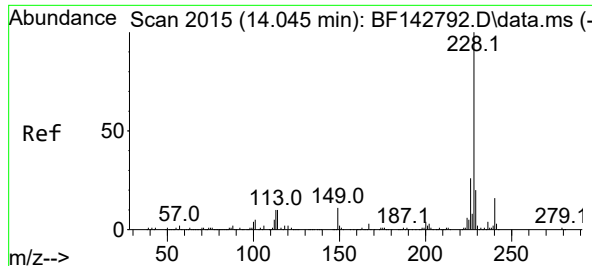
Ion Ratio Lower Upper

149 100

91 62.6 52.9 79.3

206 20.2 16.3 24.5

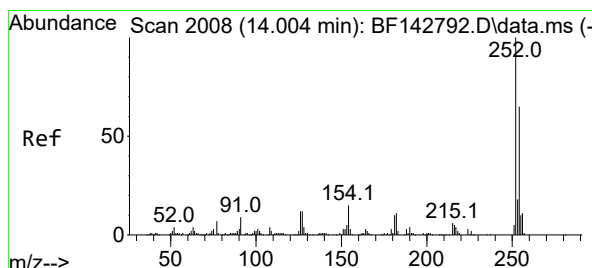
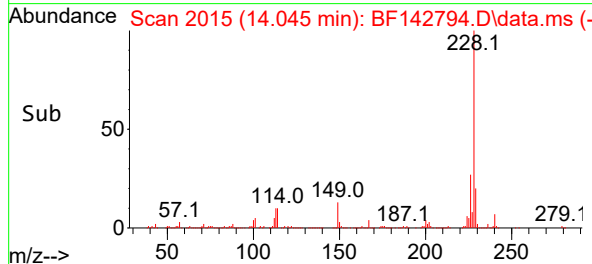
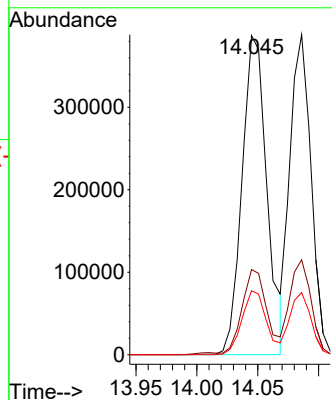
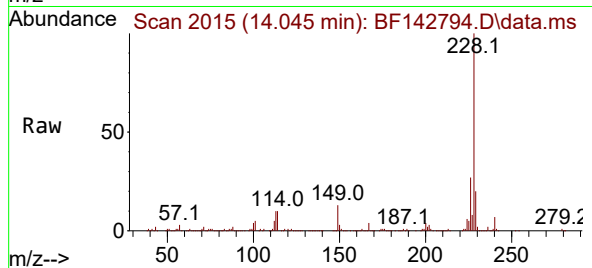




#81
Benzo(a)anthracene
Concen: 62.892 ng
RT: 14.045 min Scan# 2015
Delta R.T. 0.000 min
Lab File: BF142794.D
Acq: 19 Jun 2025 20:10

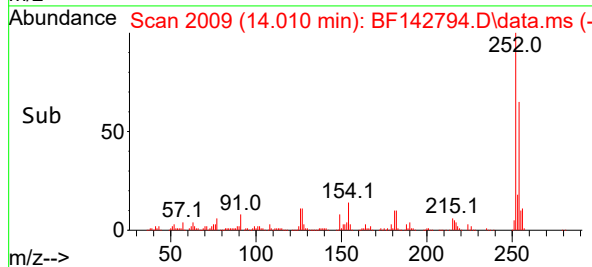
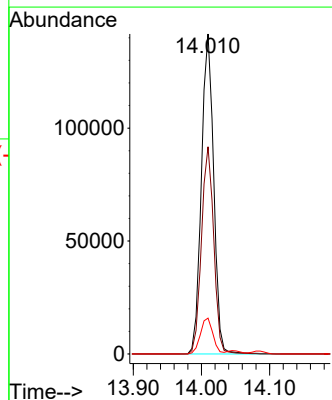
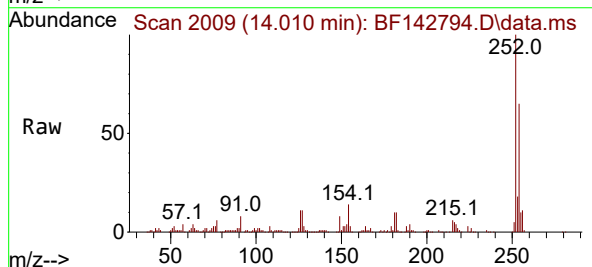
Instrument :
BNA_F
ClientSampleId :
SSTDICC060

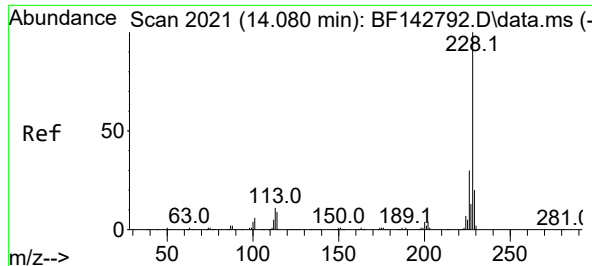
Tgt Ion:228 Resp: 550008
Ion Ratio Lower Upper
228 100
226 26.7 21.2 31.8
229 20.0 15.6 23.4



#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# 2012

Delta R.T. 0.006 min

Lab File: BF142794.D

Acq: 19 Jun 2025 20:10

Instrument :

BNA_F

ClientSampleId :

SSTDICC060

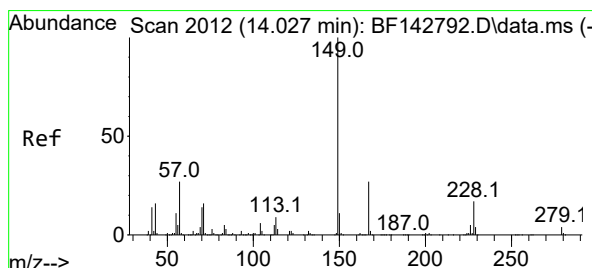
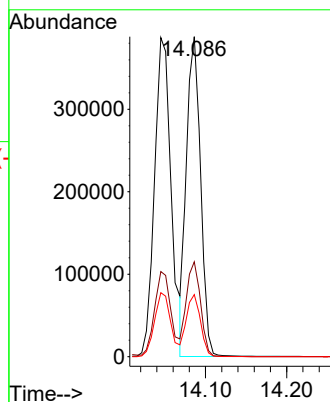
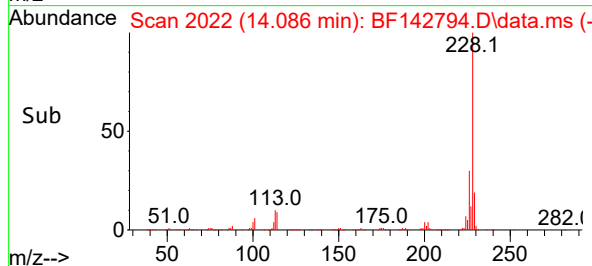
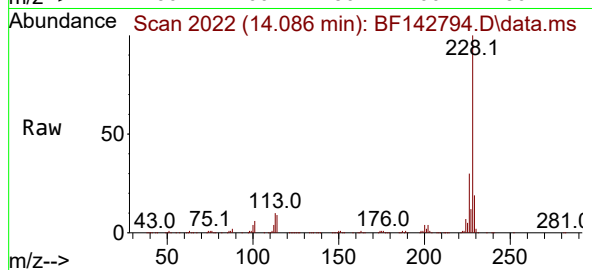
Tgt Ion:228 Resp: 470124

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

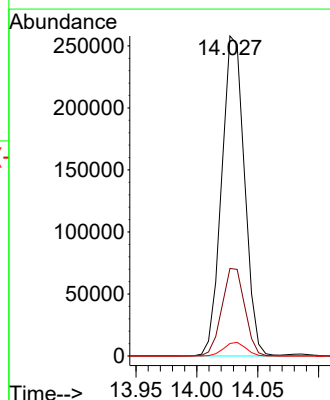
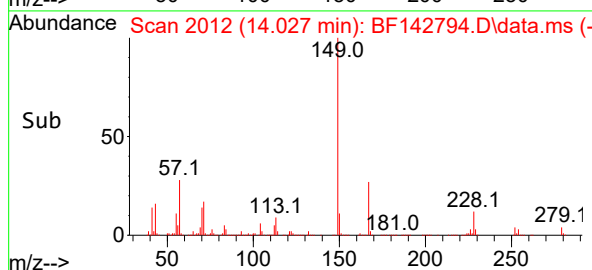
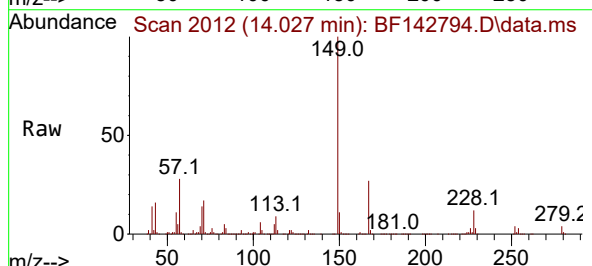
Tgt Ion:149 Resp: 336951

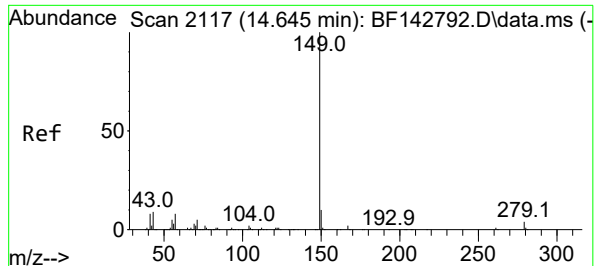
Ion Ratio Lower Upper

149 100

167 27.4 21.4 32.0

279 3.9 3.0 4.6

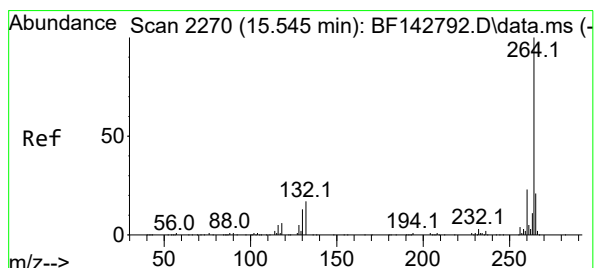
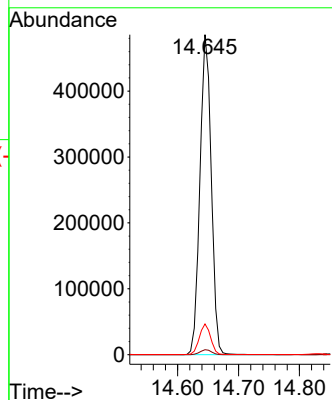
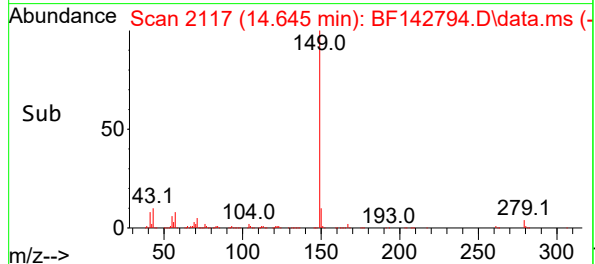
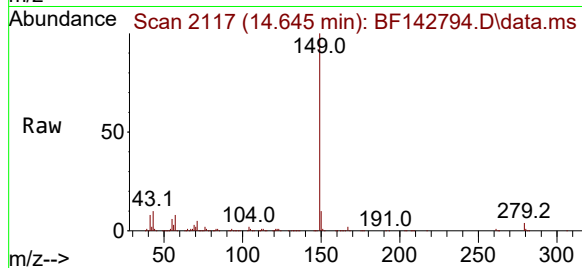




#85
Di-n-octyl phthalate
Concen: 60.871 ng
RT: 14.645 min Scan# 2117
Delta R.T. 0.000 min
Lab File: BF142794.D
Acq: 19 Jun 2025 20:10

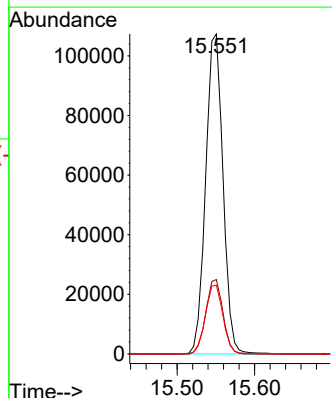
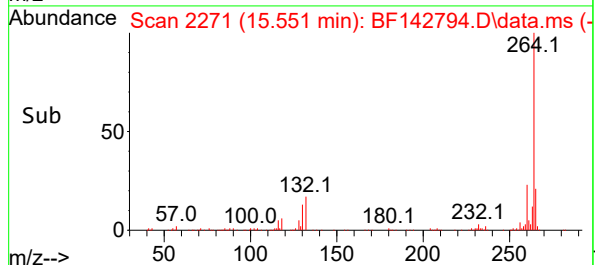
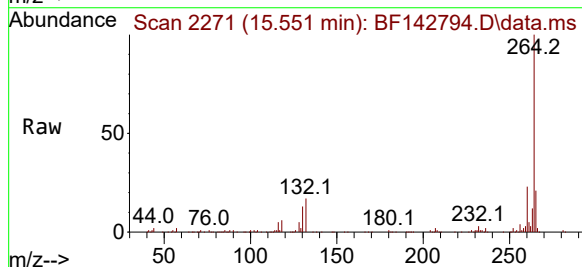
Instrument :
BNA_F
ClientSampleId :
SSTDICC060

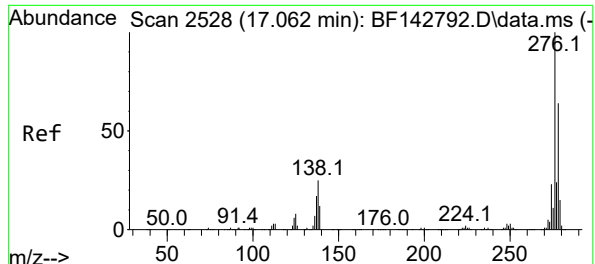
Tgt Ion:149 Resp: 627090
Ion Ratio Lower Upper
149 100
167 1.6 1.3 1.9
43 9.6 7.6 11.4



#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

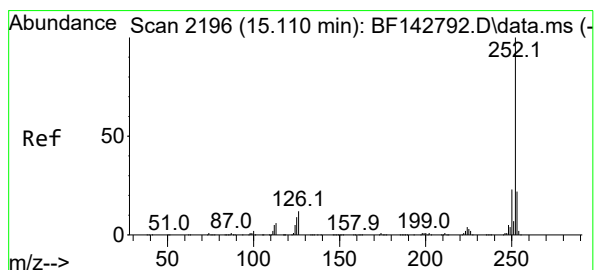
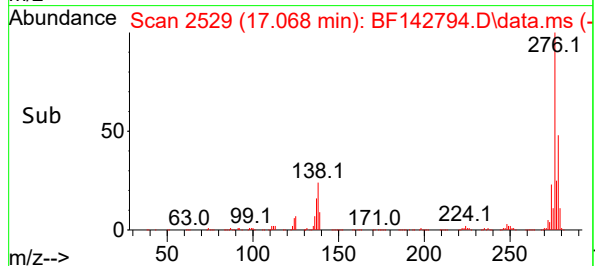
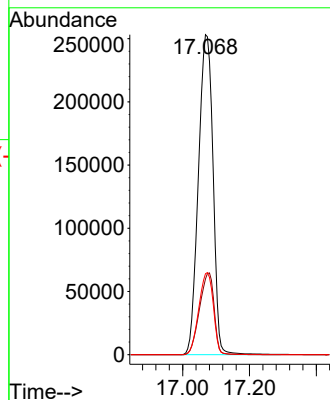
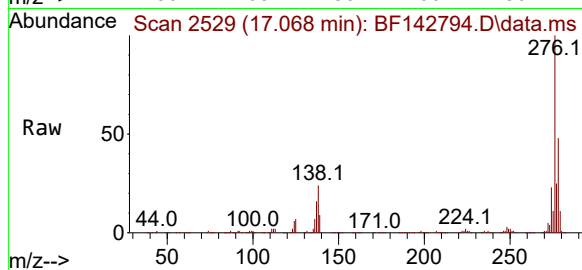
Tgt Ion:276 Resp: 768324

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

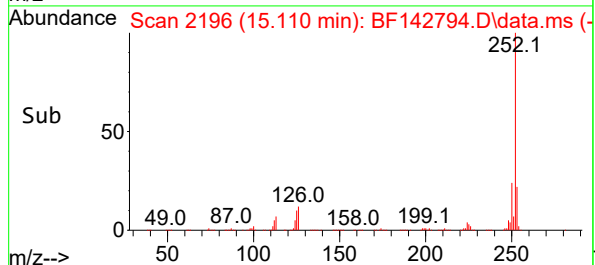
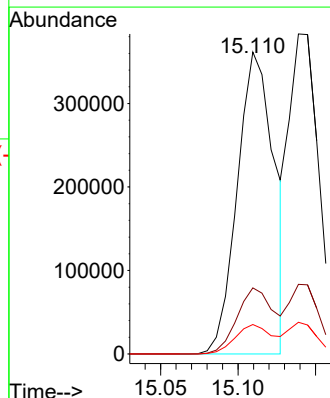
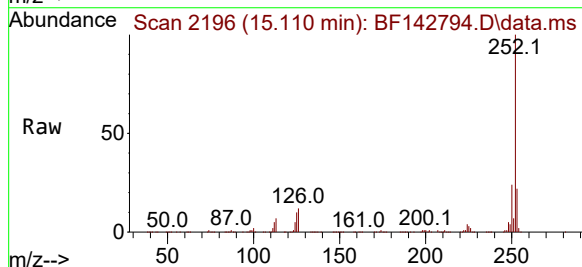
Tgt Ion:252 Resp: 597533

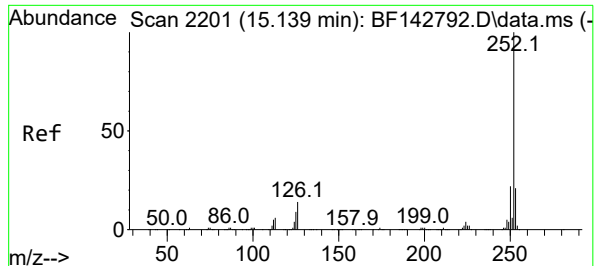
Ion Ratio Lower Upper

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

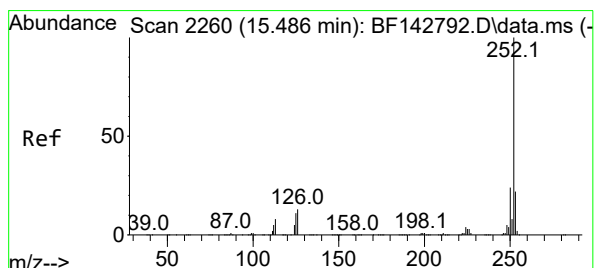
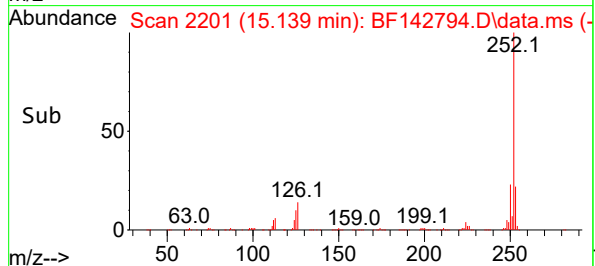
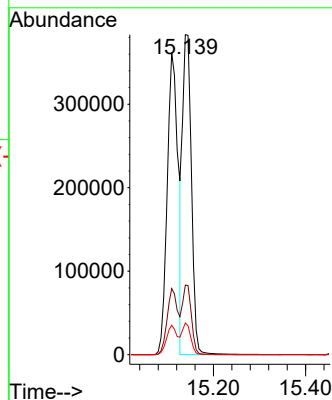
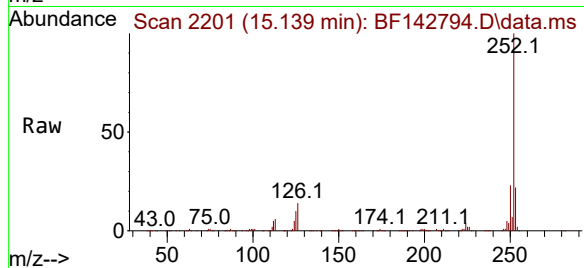
Tgt Ion:252 Resp: 518514

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

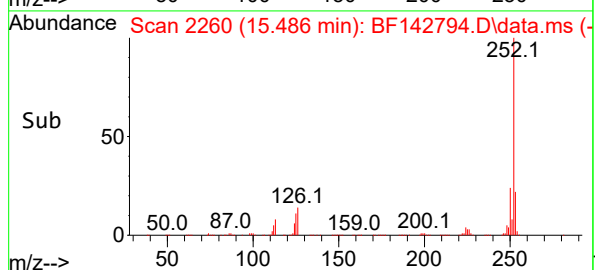
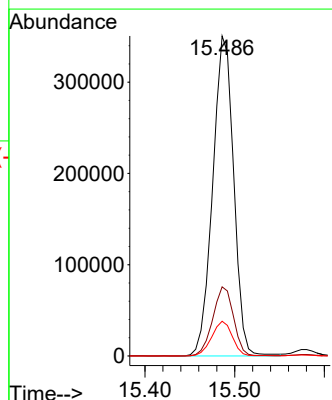
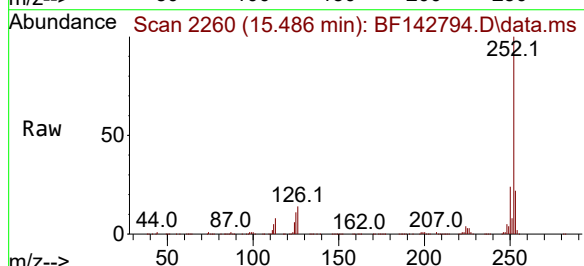
Tgt Ion:252 Resp: 569694

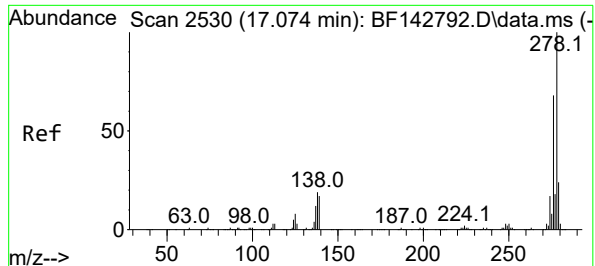
Ion Ratio Lower Upper

252 100

253 21.6 17.5 26.3

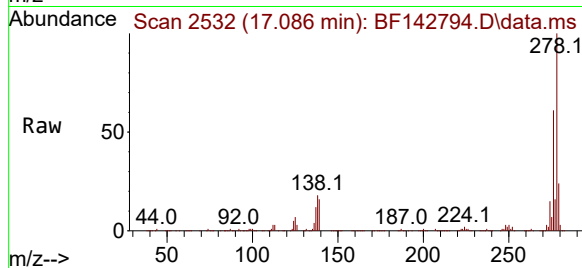
125 10.9 8.6 12.8



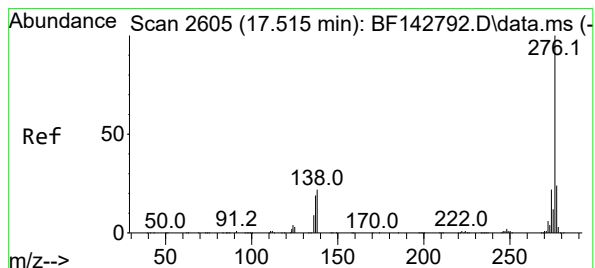
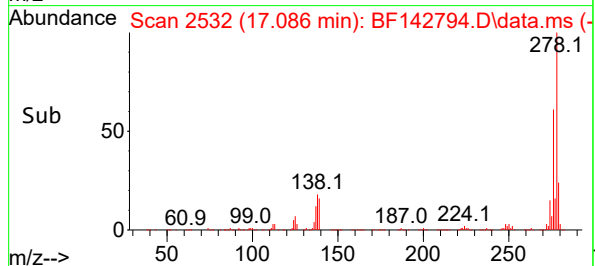
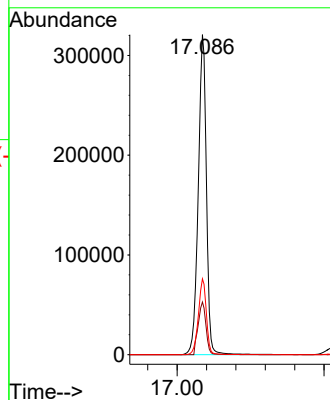


#91
Dibenzo(a,h)anthracene
Concen: 61.889 ng
RT: 17.086 min Scan# 21
Delta R.T. 0.012 min
Lab File: BF142794.D
Acq: 19 Jun 2025 20:10

Instrument :
BNA_F
ClientSampleId :
SSTDICC060

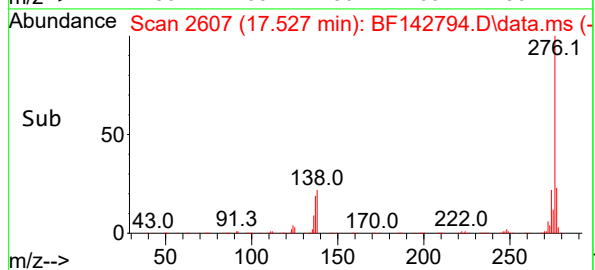
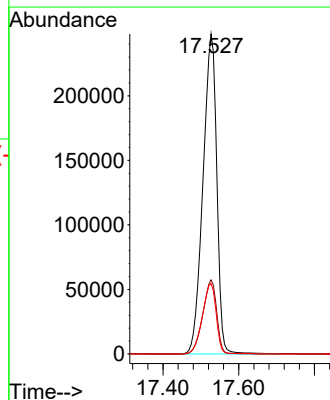
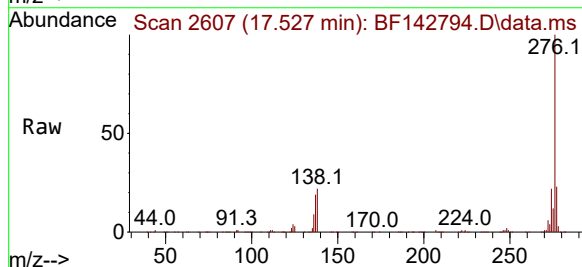


Tgt Ion:278 Resp: 619236
Ion Ratio Lower Upper
278 100
139 16.5 13.5 20.3
279 23.7 18.8 28.2



#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

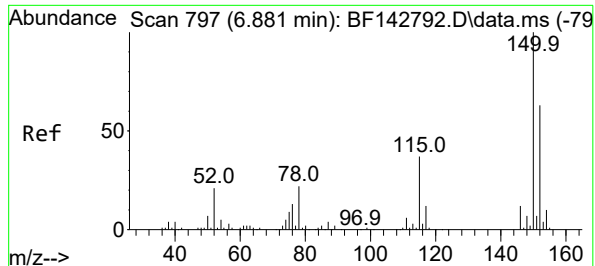
Quant Time: Jun 20 04:42:16 2025
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF061925.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Fri Jun 20 04:36:38 2025
 Response via : Initial Calibration

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

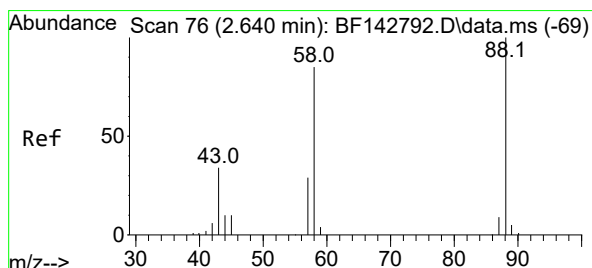
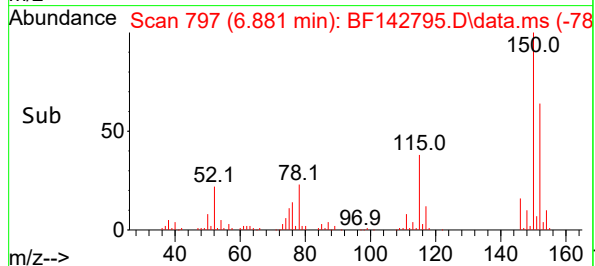
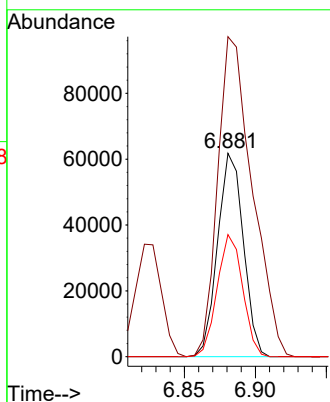
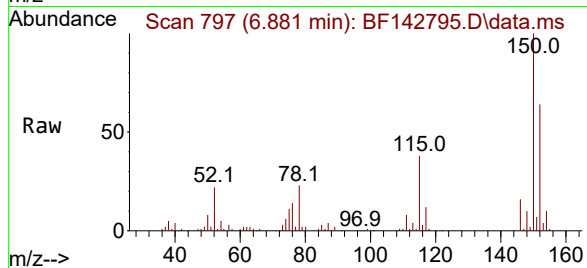
[illegible]



#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

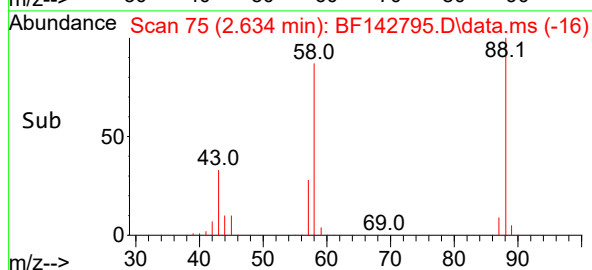
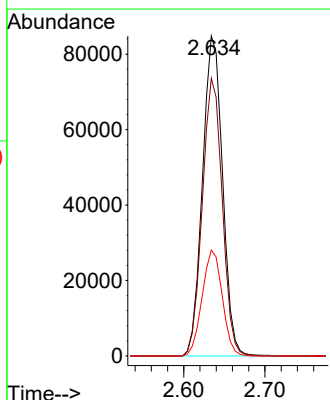
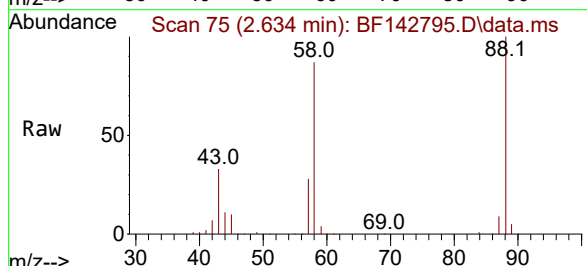
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BNA_F
ClientSampleId :
SSTDICC080

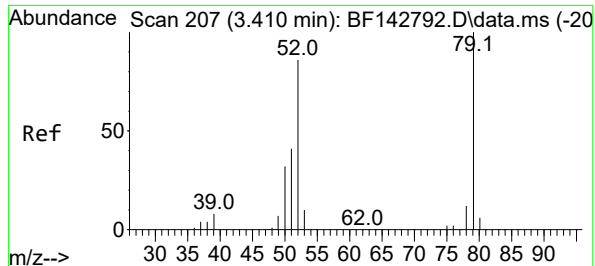
Tgt Ion:152 Resp: 77938
Ion Ratio Lower Upper
152 100
150 157.3 127.2 190.8
115 60.0 46.6 69.8



#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

Instrument :

BNA_F

ClientSampleId :

SSTDICC080

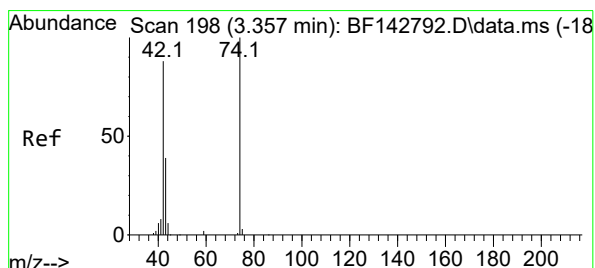
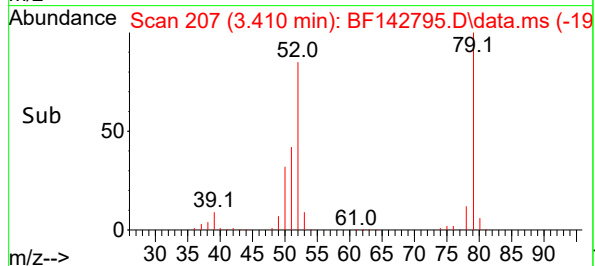
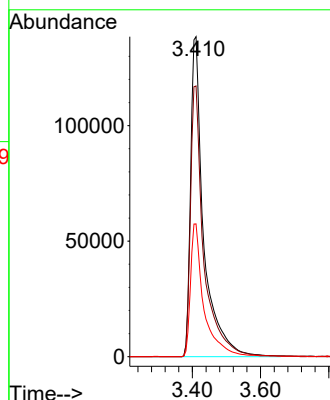
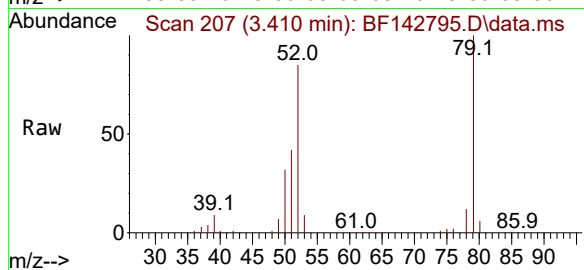
Tgt Ion: 79 Resp: 368129

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

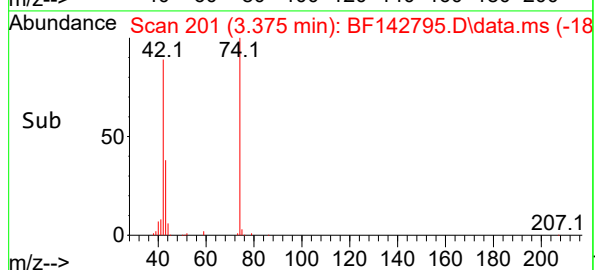
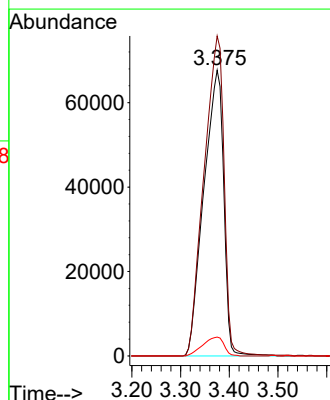
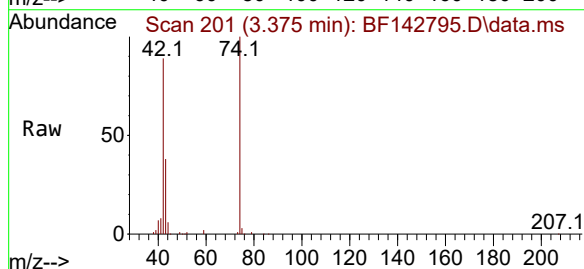
Tgt Ion: 42 Resp: 191412

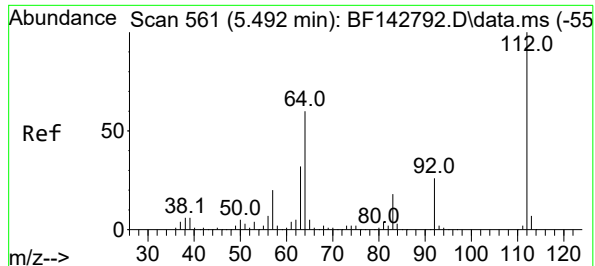
Ion Ratio Lower Upper

42 100

74 112.0 90.9 136.3

44 6.6 5.8 8.6

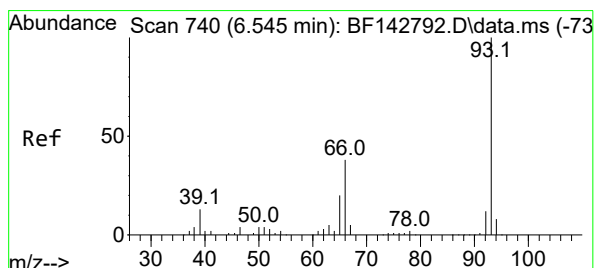
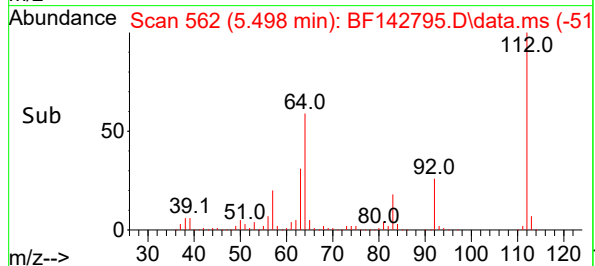
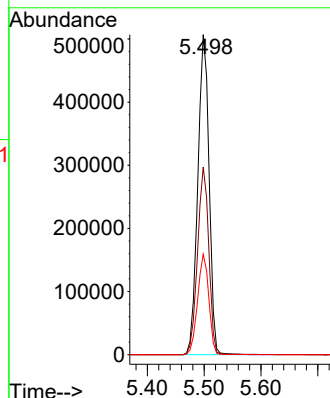
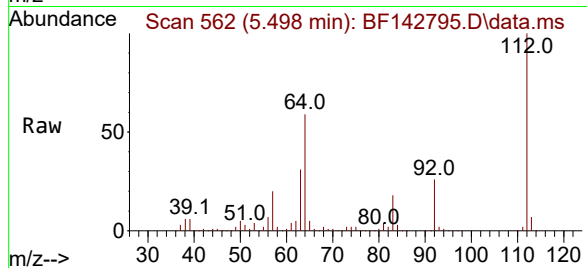




#5
2-Fluorophenol
Concen: 153.880 ng
RT: 5.498 min Scan# 501
Delta R.T. 0.006 min
Lab File: BF142795.D
Acq: 19 Jun 2025 20:40

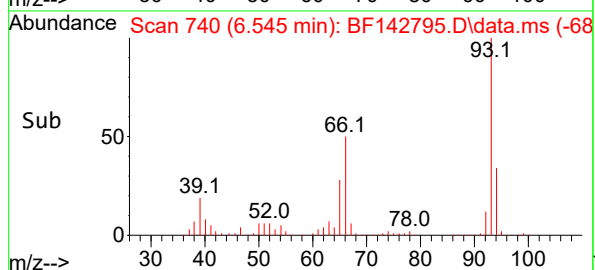
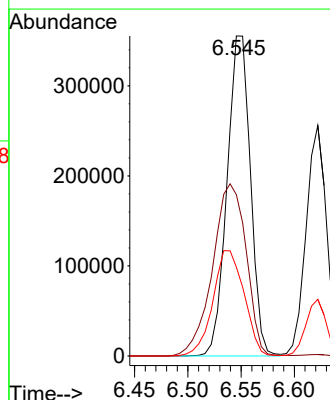
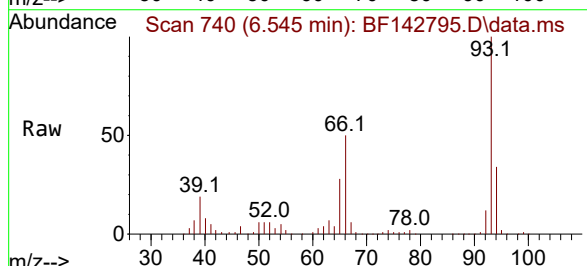
Instrument :
BNA_F
ClientSampleId :
SSTDICC080

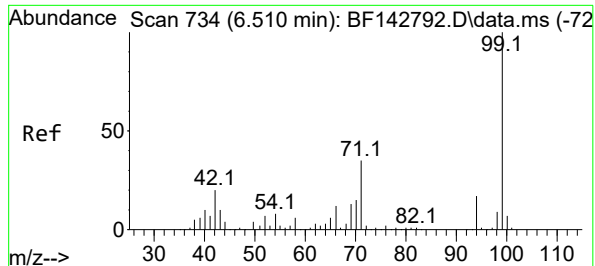
Tgt Ion:112 Resp: 703164
Ion Ratio Lower Upper
112 100
64 58.7 48.2 72.2
63 31.4 25.7 38.5



#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

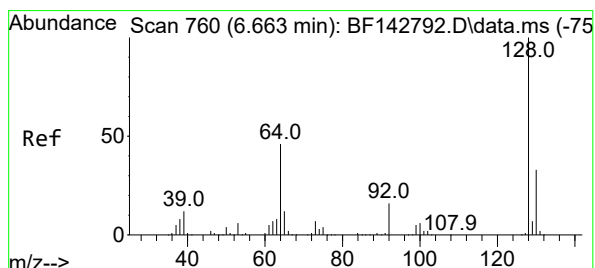
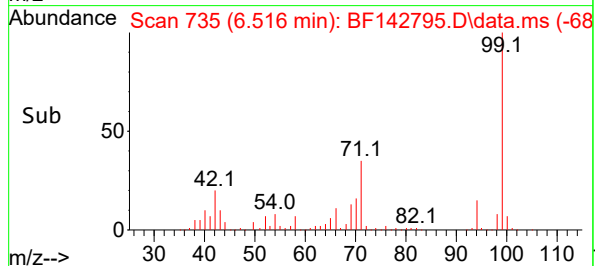
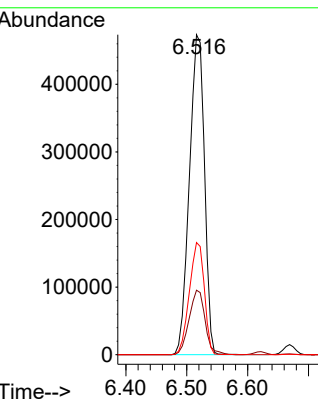
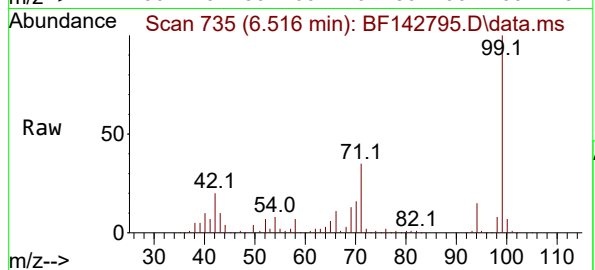
Tgt Ion: 99 Resp: 813626

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

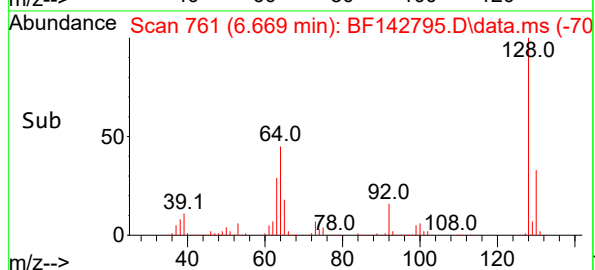
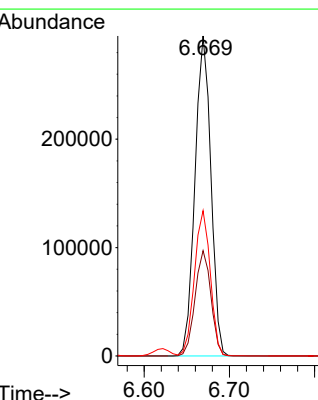
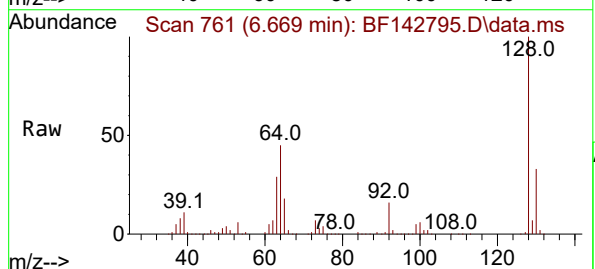
Tgt Ion:128 Resp: 383707

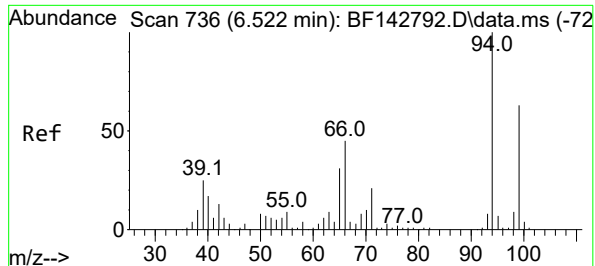
Ion Ratio Lower Upper

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

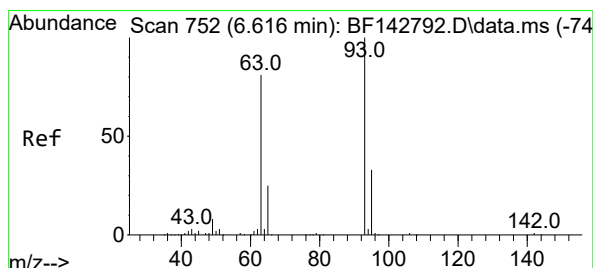
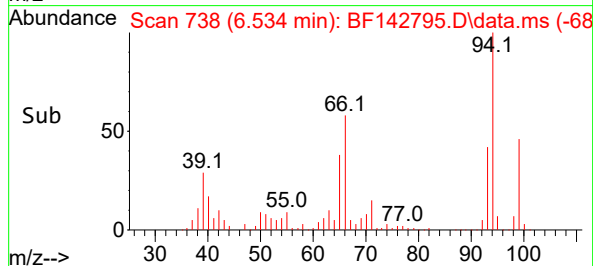
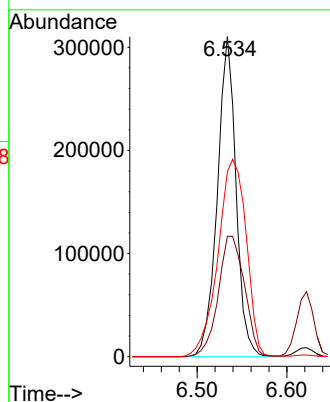
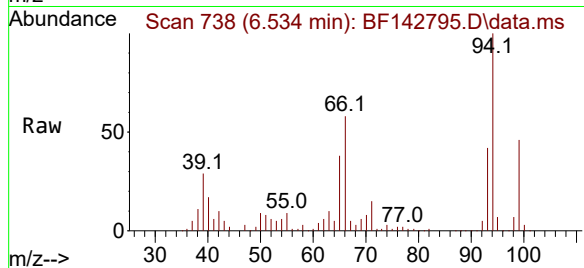
Tgt Ion: 94 Resp: 448139

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

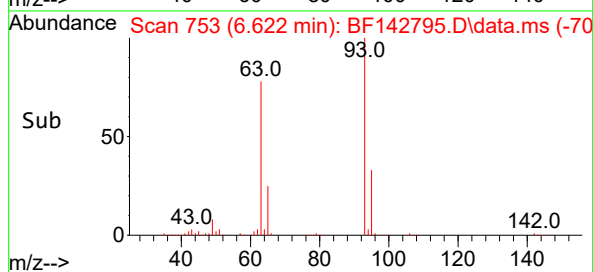
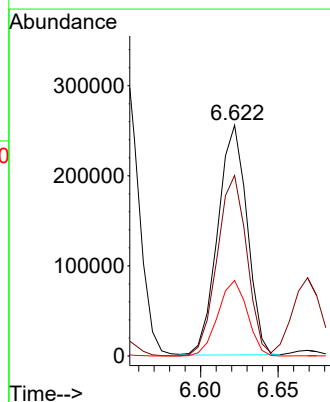
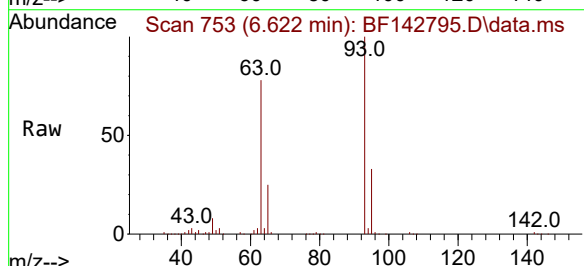
Tgt Ion: 93 Resp: 335736

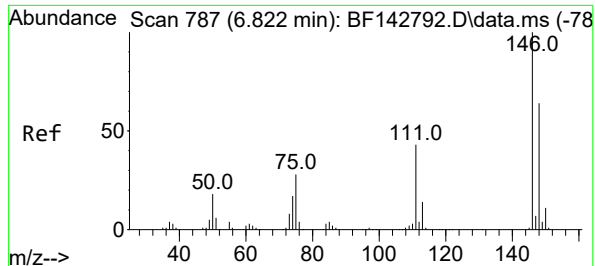
Ion Ratio Lower Upper

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

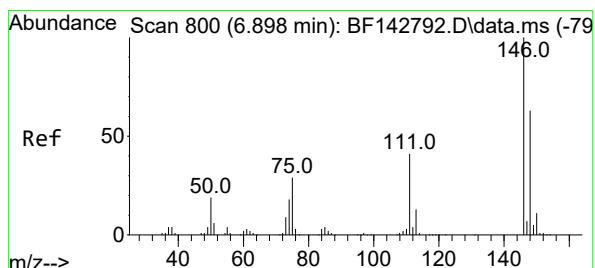
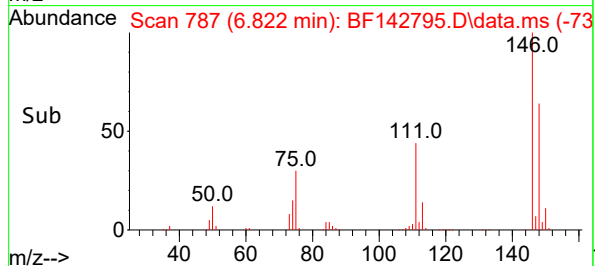
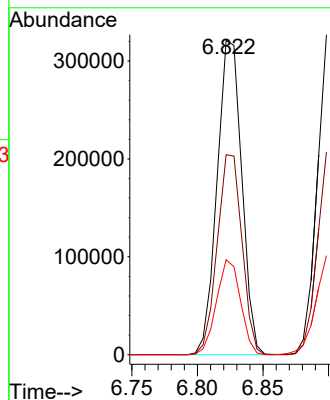
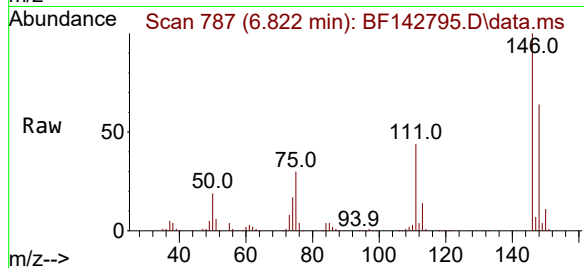
Tgt Ion:146 Resp: 420352

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

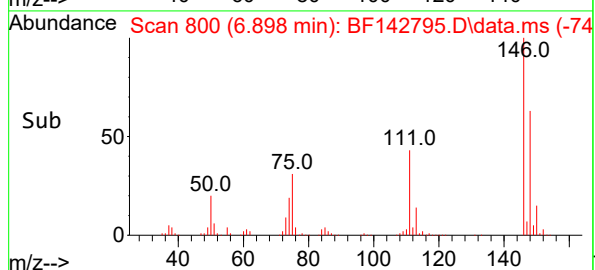
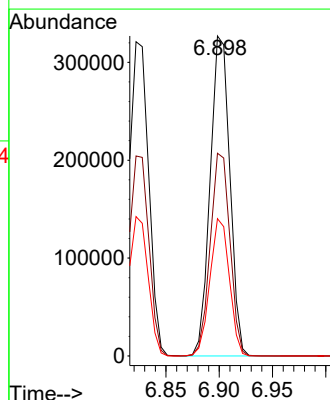
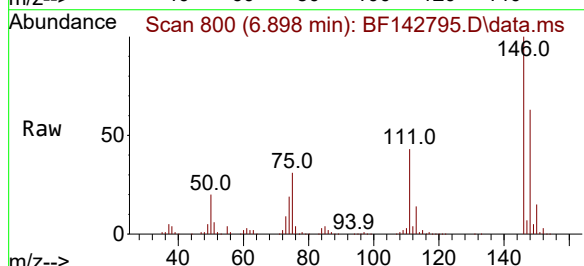
Tgt Ion:146 Resp: 419873

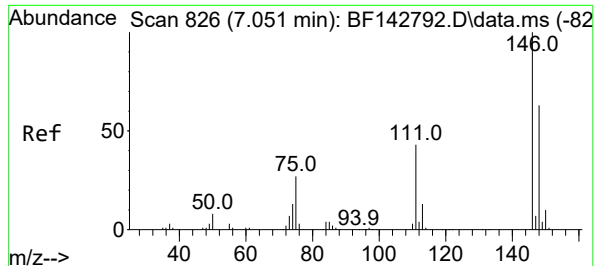
Ion Ratio Lower Upper

146 100

148 63.4 50.2 75.2

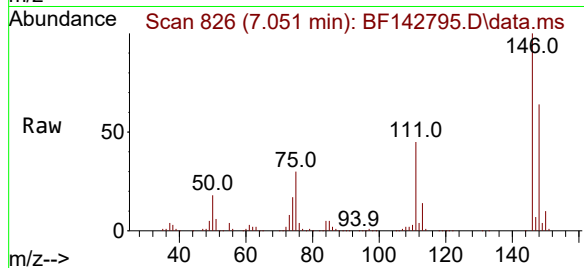
111 42.9 33.2 49.8



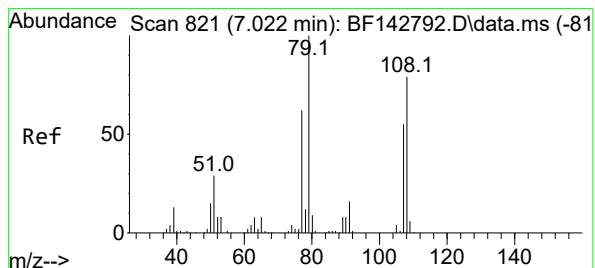
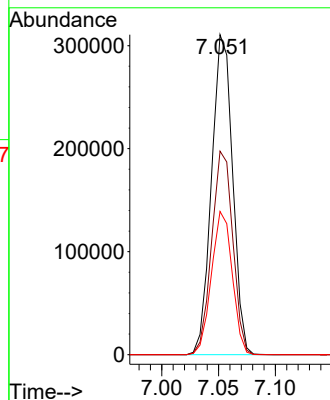
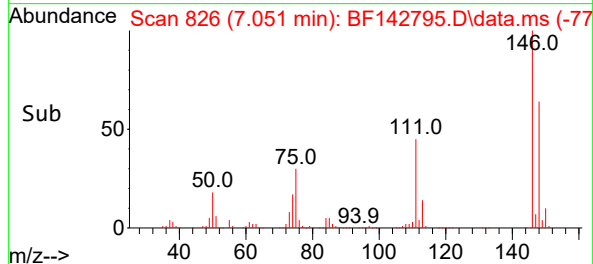


#14
1,2-Dichlorobenzene
Concen: 72.897 ng
RT: 7.051 min Scan# 81
Delta R.T. 0.000 min
Lab File: BF142795.D
Acq: 19 Jun 2025 20:40

Instrument :
BNA_F
ClientSampleId :
SSTDICC080

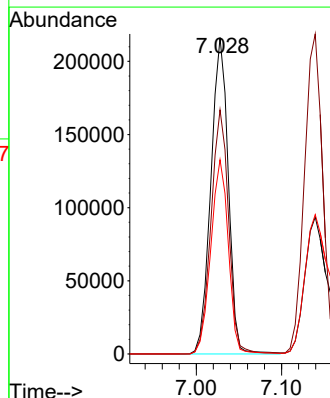
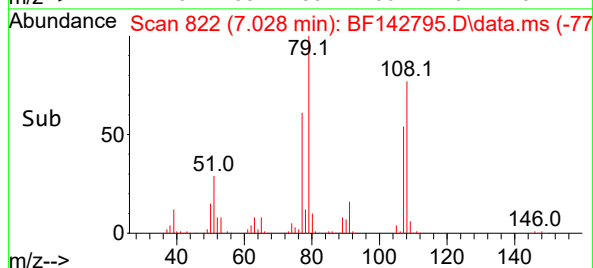
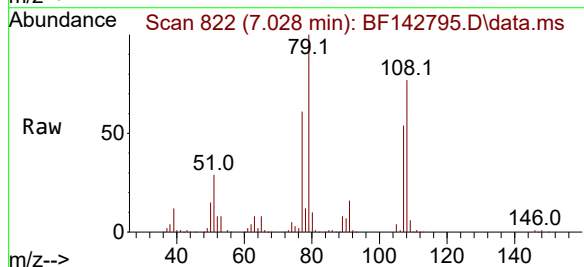


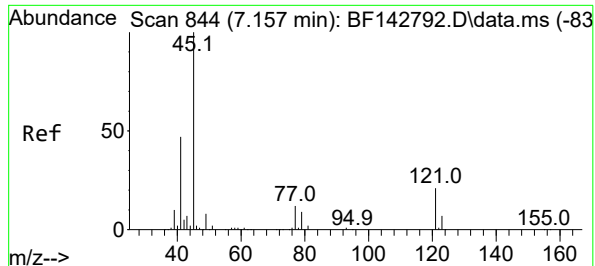
Tgt Ion:146 Resp: 400191
Ion Ratio Lower Upper
146 100
148 63.6 50.4 75.6
111 44.8 34.1 51.1



#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

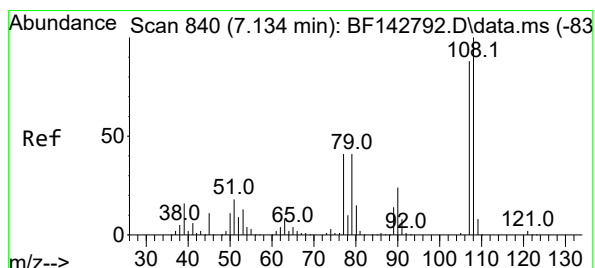
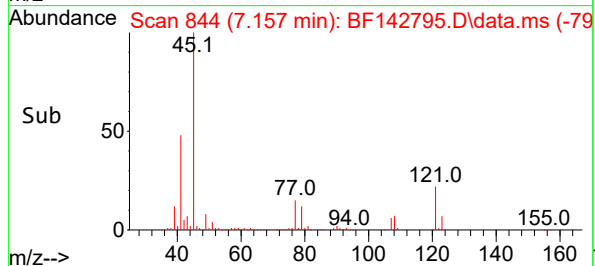
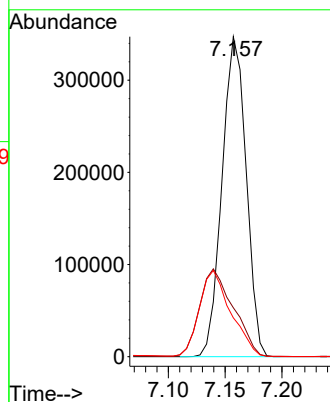
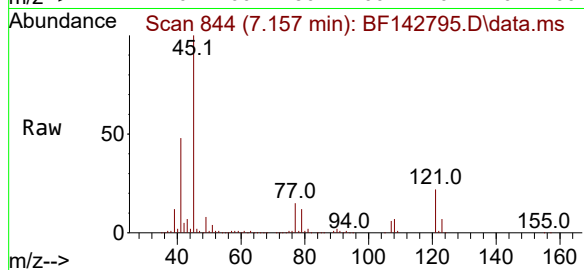
Tgt Ion: 45 Resp: 512514

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

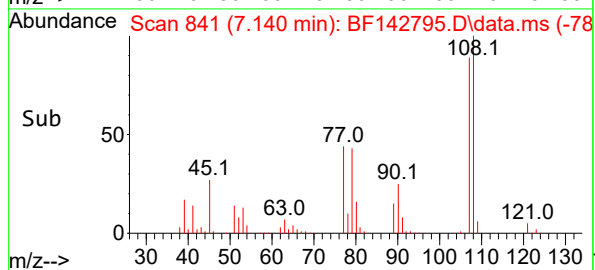
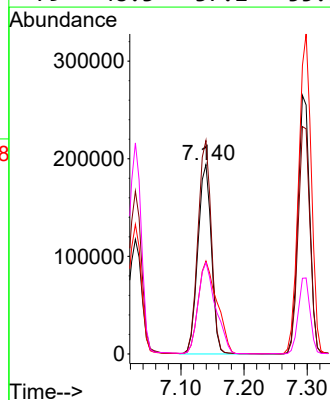
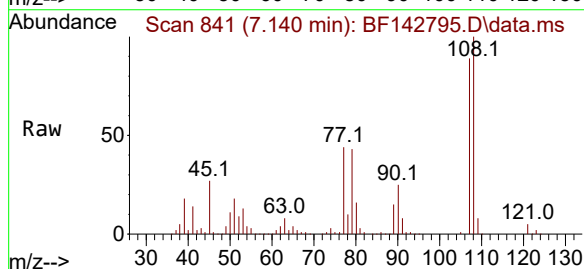
Ion Ratio Lower Upper

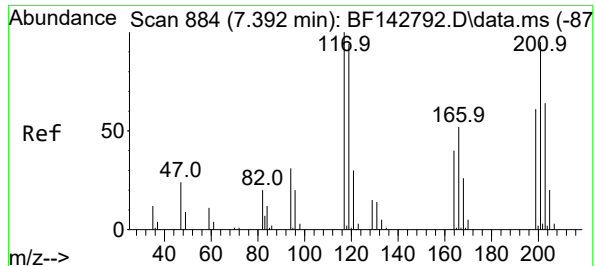
107 100

108 112.7 90.9 136.3

77 49.1 37.3 55.9

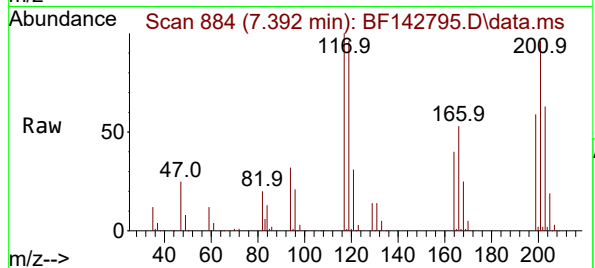
79 48.3 37.2 55.8



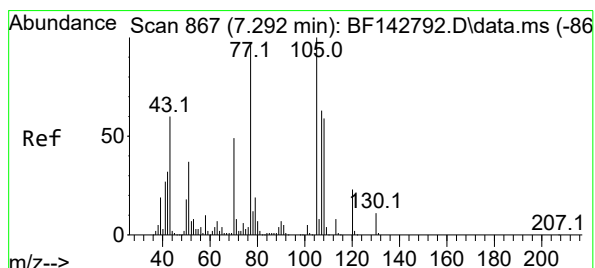
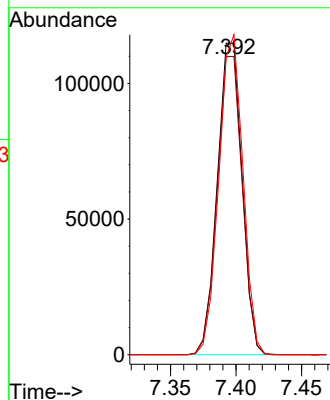
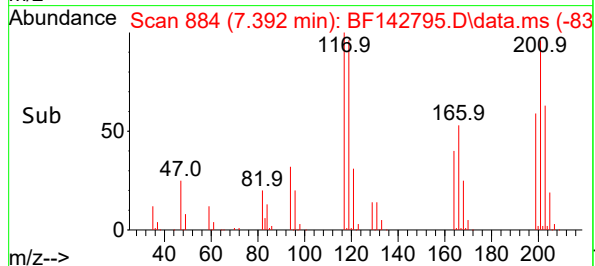


#18
Hexachloroethane
Concen: 73.550 ng
RT: 7.392 min Scan# 884
Delta R.T. 0.000 min
Lab File: BF142795.D
Acq: 19 Jun 2025 20:40

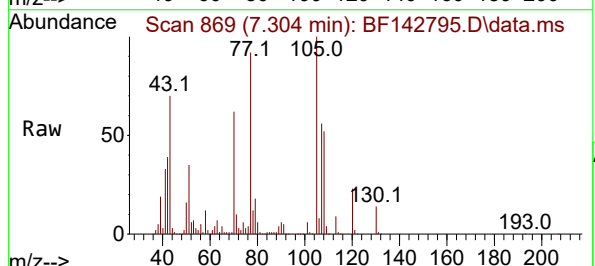
Instrument :
BNA_F
ClientSampleId :
SSTDICC080



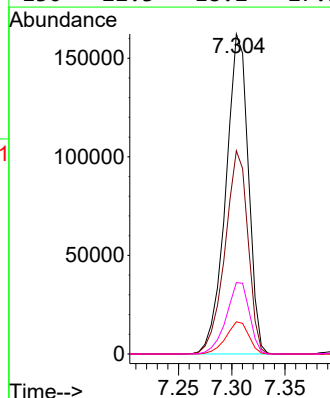
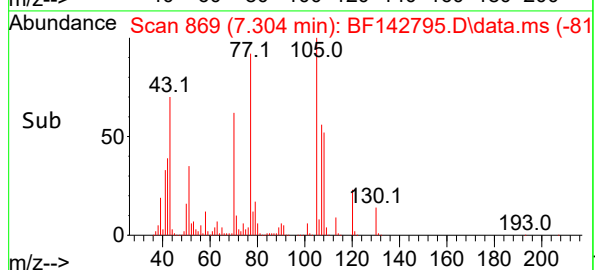
Tgt Ion:117 Resp: 150991
Ion Ratio Lower Upper
117 100
119 95.7 75.4 113.0
201 95.5 75.9 113.9

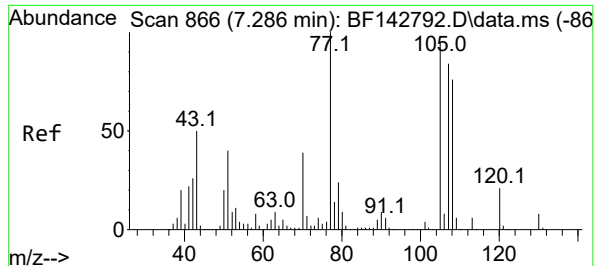


#19
n-Nitroso-di-n-propylamine
Concen: 70.563 ng
RT: 7.304 min Scan# 869
Delta R.T. 0.012 min
Lab File: BF142795.D
Acq: 19 Jun 2025 20:40



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

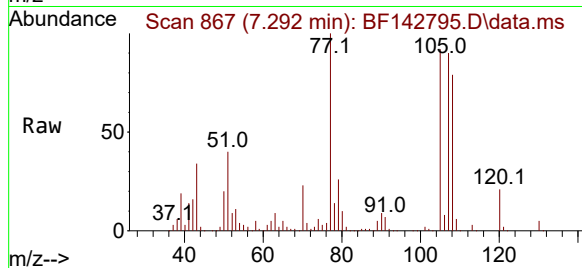
Acq: 19 Jun 2025 20:40

Instrument :

BNA_F

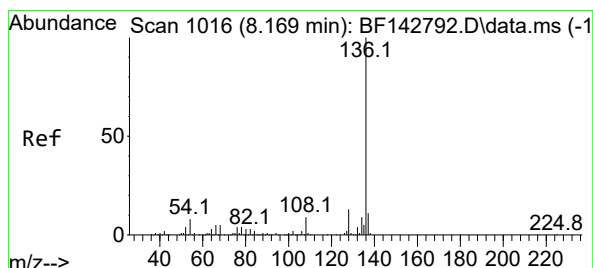
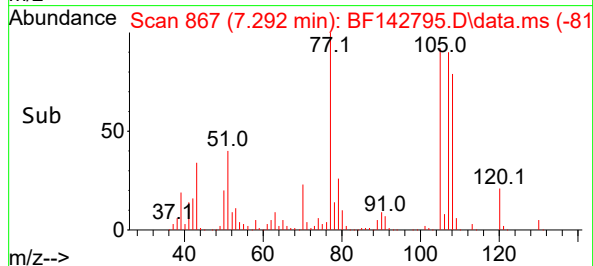
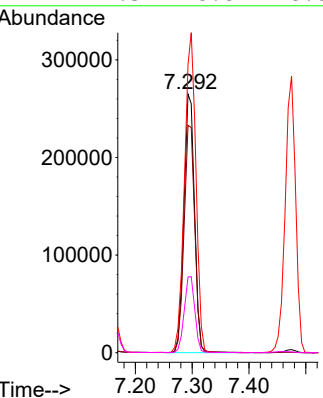
ClientSampleId :

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

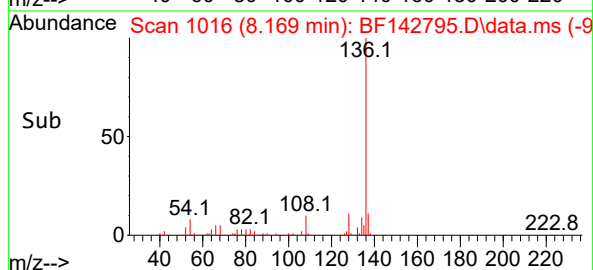
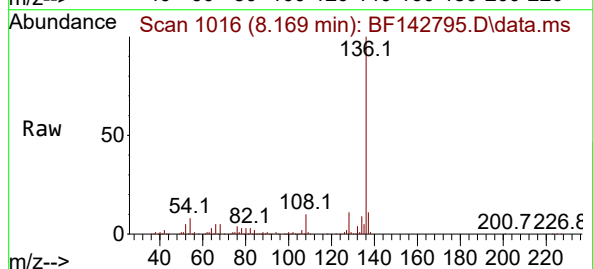
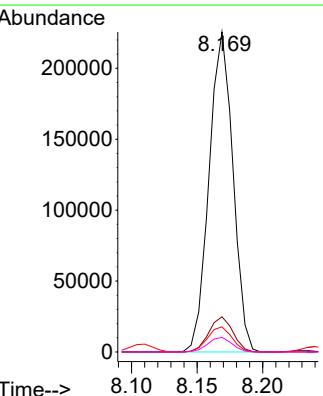
Delta R.T. 0.000 min

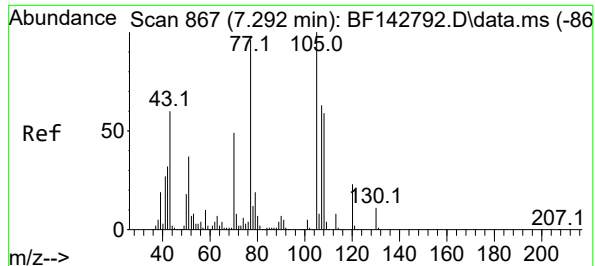
Lab File: BF142795.D

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

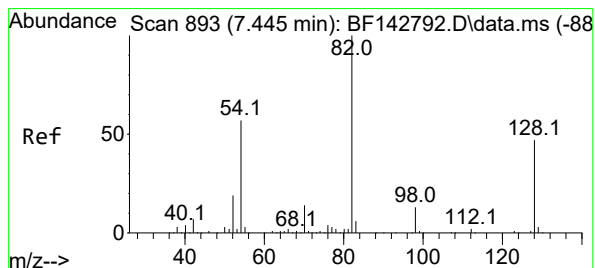
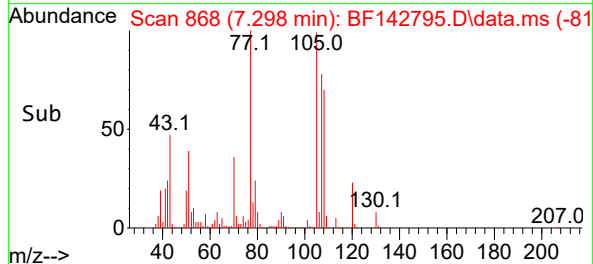
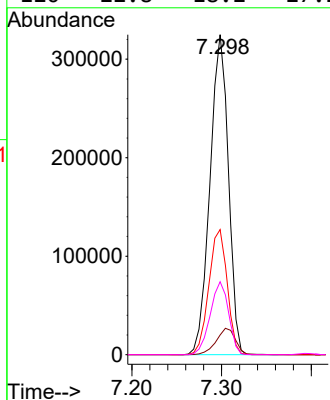
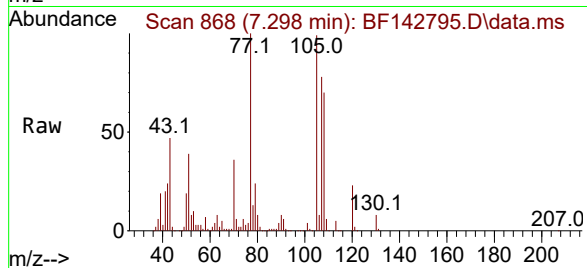




#22
Acetophenone
Concen: 73.349 ng
RT: 7.298 min Scan# 867
Delta R.T. 0.006 min
Lab File: BF142795.D
Acq: 19 Jun 2025 20:40

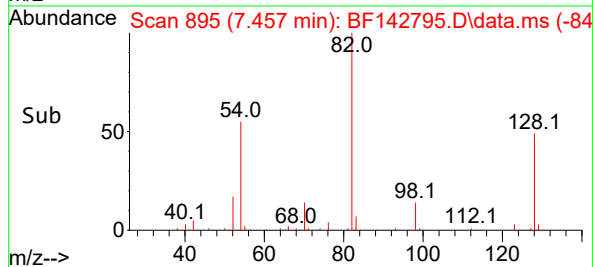
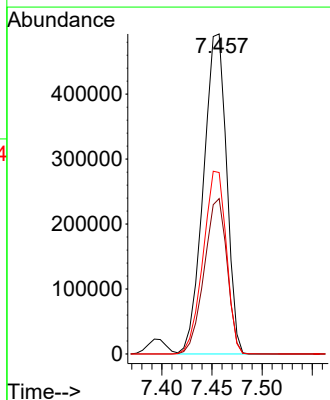
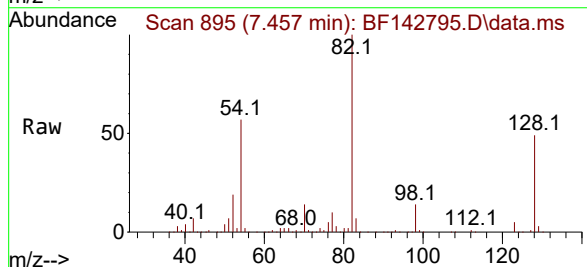
Instrument :
BNA_F
ClientSampleId :
SSTDICC080

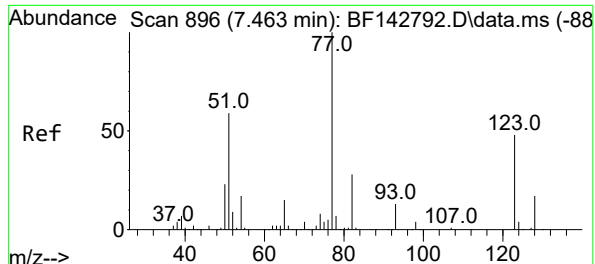
Tgt Ion:105 Resp: 463019
Ion Ratio Lower Upper
105 100
71 6.2 6.5 9.7#
51 39.1 29.8 44.8
120 22.8 18.2 27.2



#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

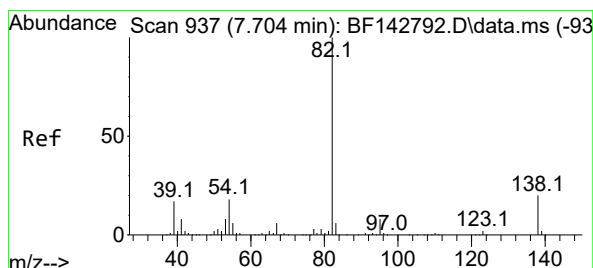
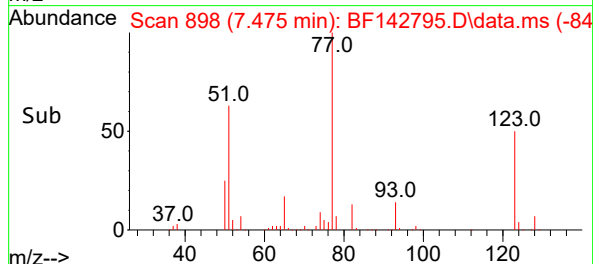
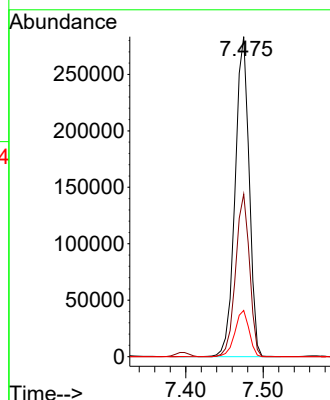
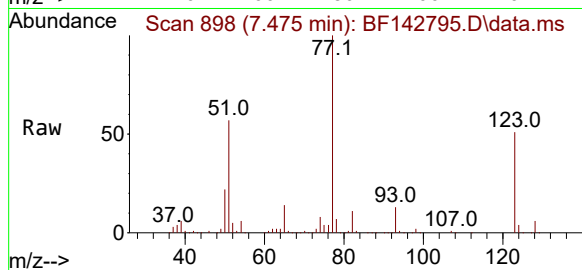
Tgt Ion: 77 Resp: 358834

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

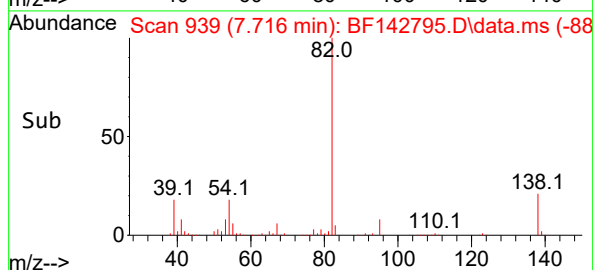
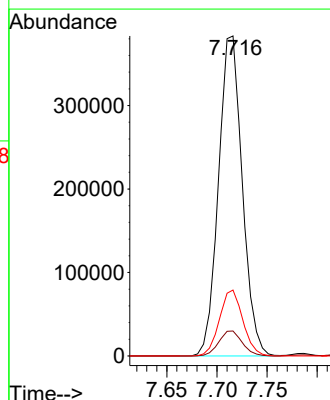
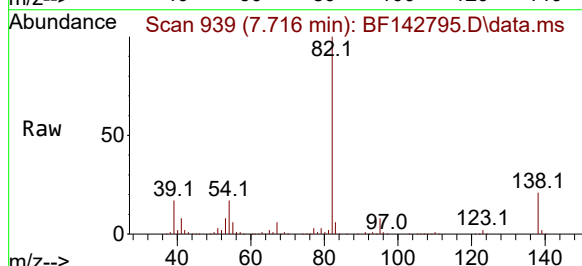
Tgt Ion: 82 Resp: 632390

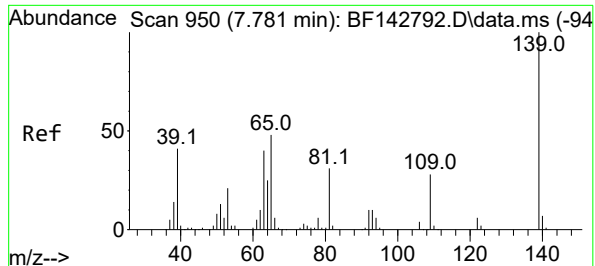
Ion Ratio Lower Upper

82 100

95 7.8 6.2 9.2

138 20.6 16.2 24.4

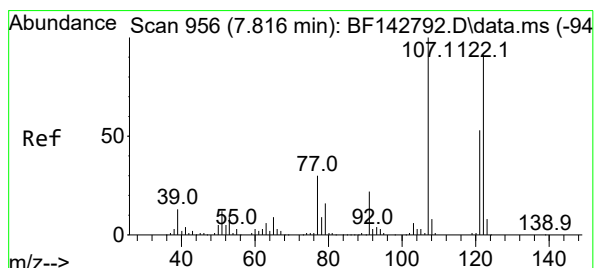
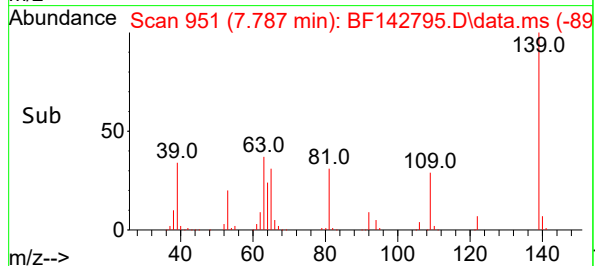
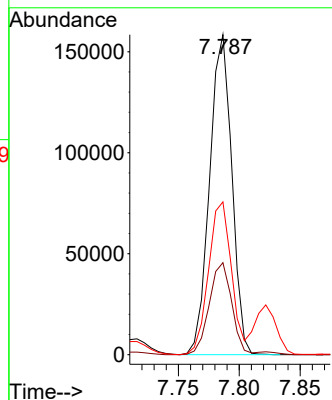
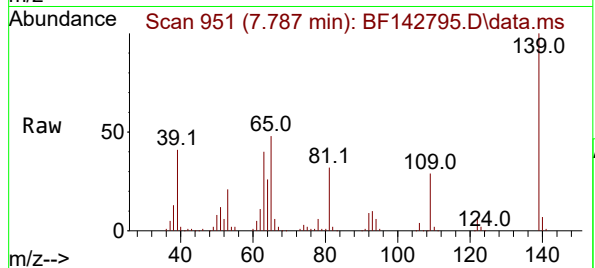




#26
2-Nitrophenol
Concen: 78.009 ng
RT: 7.787 min Scan# 91
Delta R.T. 0.006 min
Lab File: BF142795.D
Acq: 19 Jun 2025 20:40

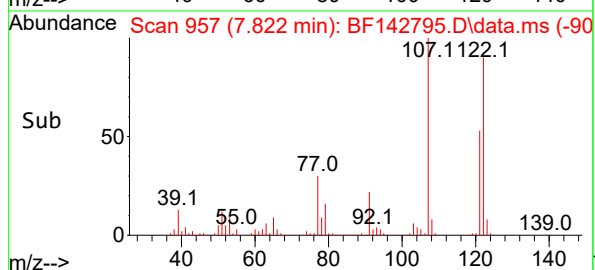
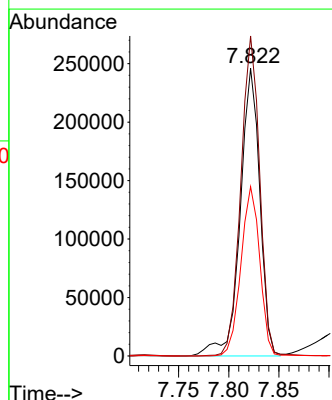
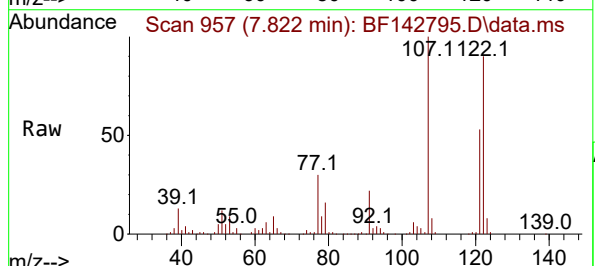
Instrument :
BNA_F
ClientSampleId :
SSTDICC080

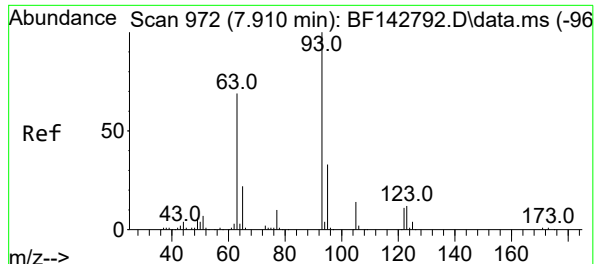
Tgt Ion:139 Resp: 201064
Ion Ratio Lower Upper
139 100
109 28.8 22.7 34.1
65 47.8 38.6 58.0



#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

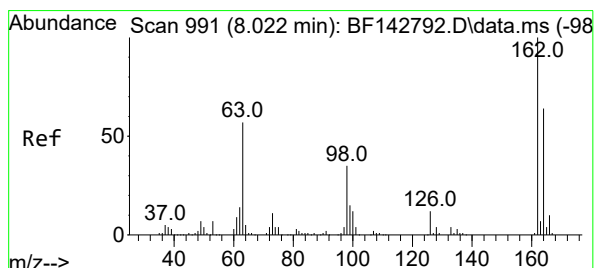
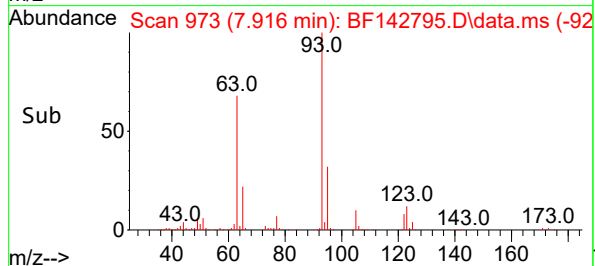
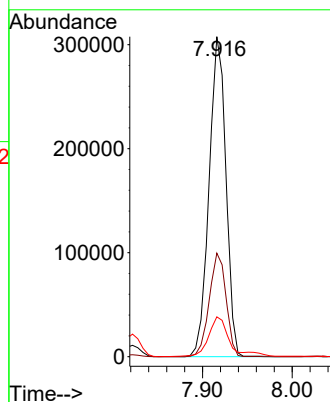
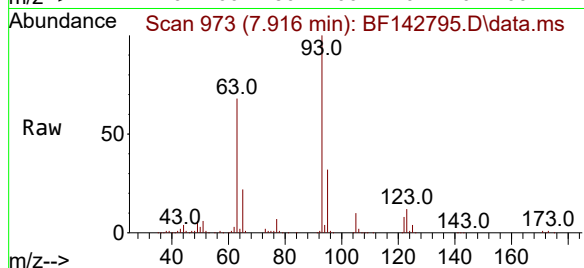
Tgt Ion: 93 Resp: 400973

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

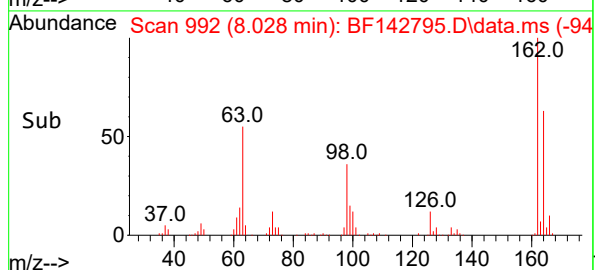
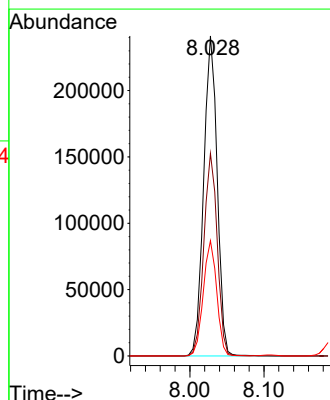
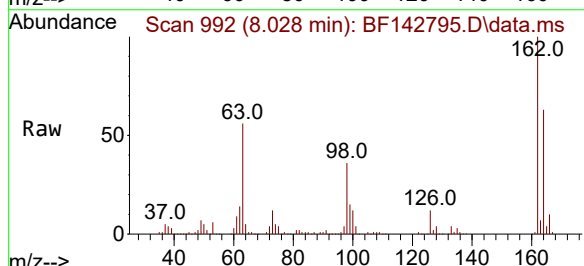
Tgt Ion: 162 Resp: 306123

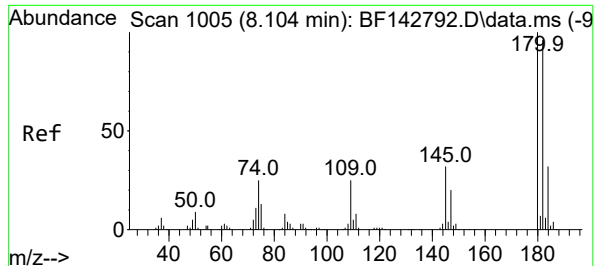
Ion Ratio Lower Upper

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# 1005

Delta R.T. 0.006 min

Lab File: BF142795.D

Acq: 19 Jun 2025 20:40

Instrument :

BNA_F

ClientSampleId :

SSTDICC080

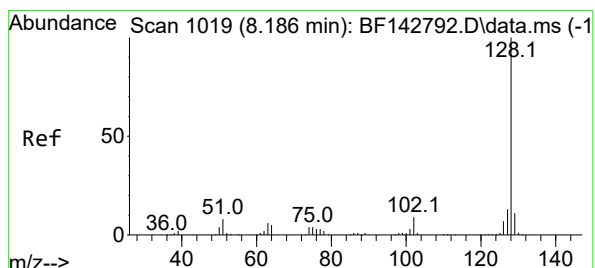
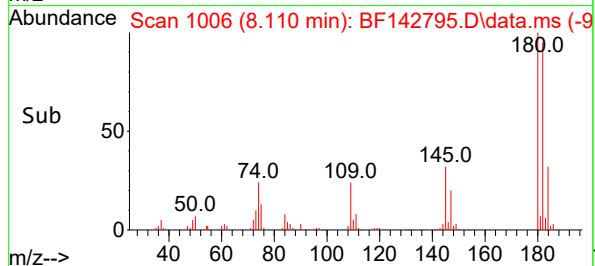
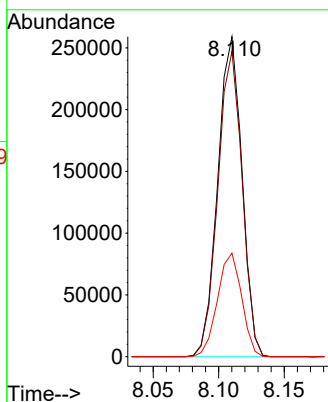
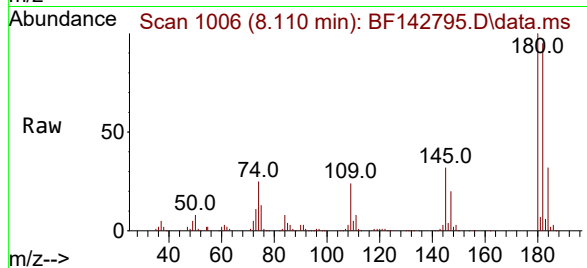
Tgt Ion:180 Resp: 332721

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

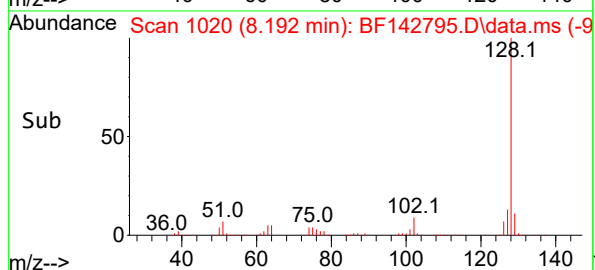
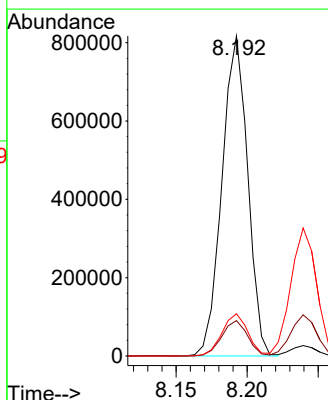
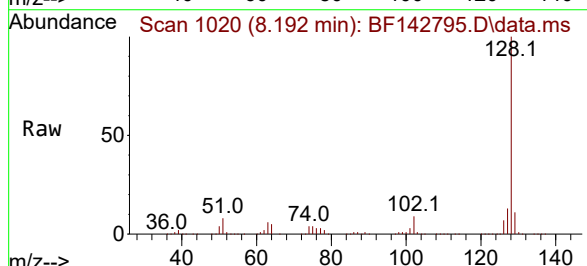
Tgt Ion:128 Resp: 1029082

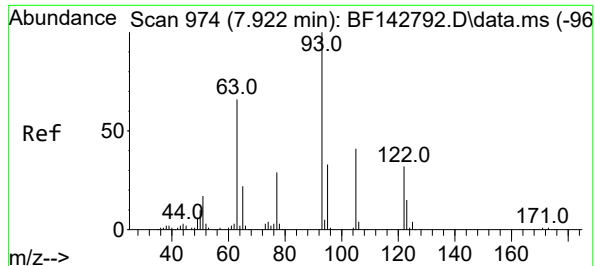
Ion Ratio Lower Upper

128 100

129 11.1 8.9 13.3

127 13.2 10.4 15.6

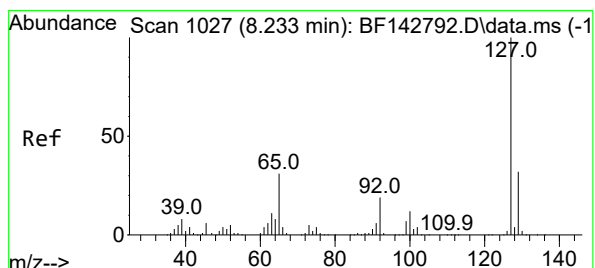
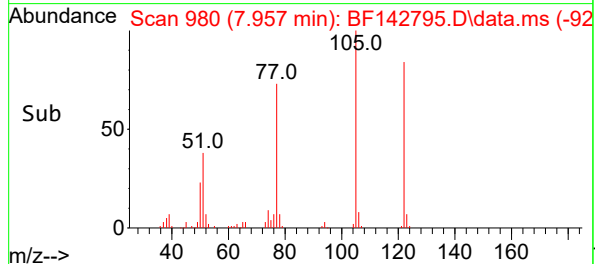
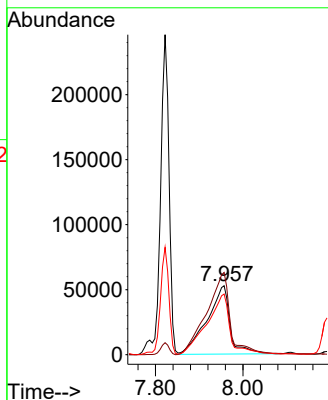
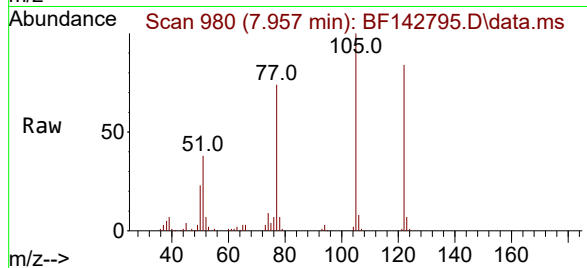




#32
Benzoic acid
Concen: 79.082 ng
RT: 7.957 min Scan# 91
Delta R.T. 0.035 min
Lab File: BF142795.D
Acq: 19 Jun 2025 20:40

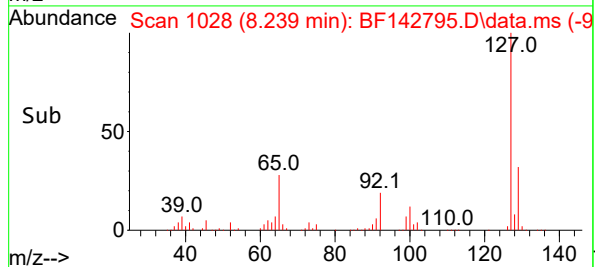
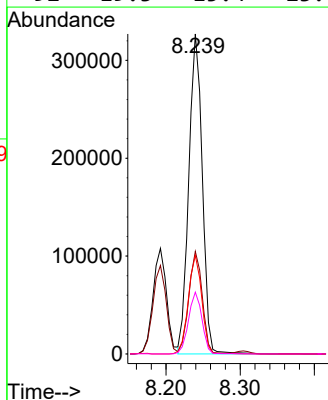
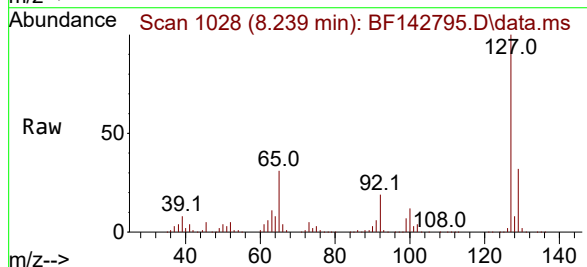
Instrument :
BNA_F
ClientSampleId :
SSTDICC080

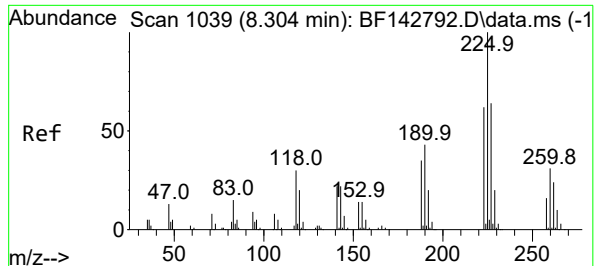
Tgt Ion:122 Resp: 192536
Ion Ratio Lower Upper
122 100
105 119.5 104.7 144.7
77 88.0 70.2 110.2



#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

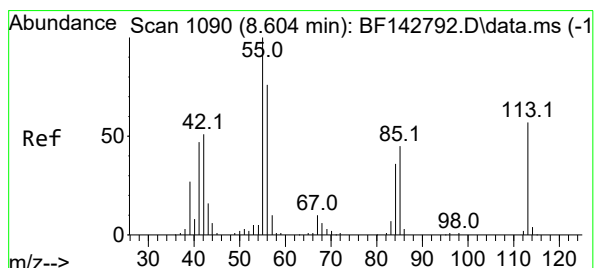
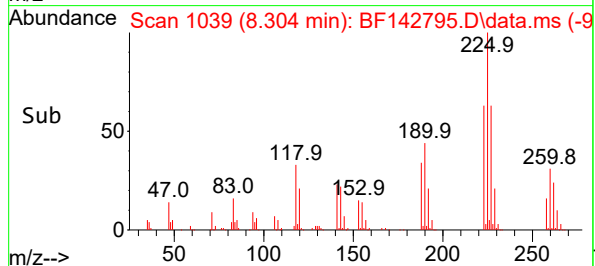
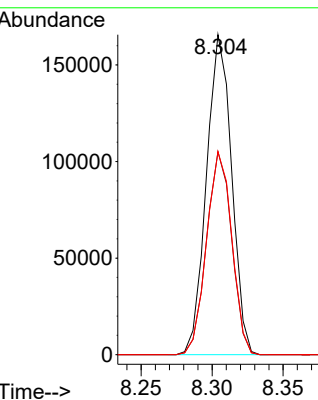
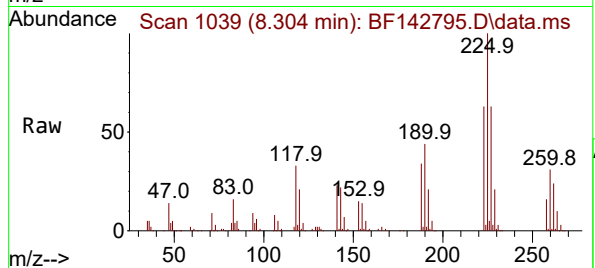
Tgt Ion:225 Resp: 204081

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

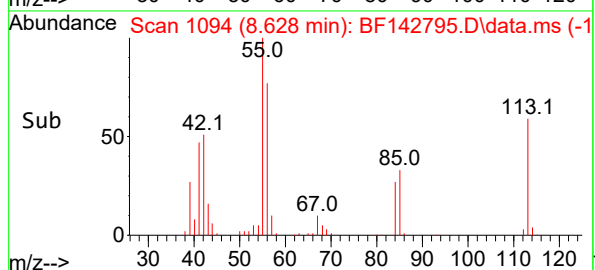
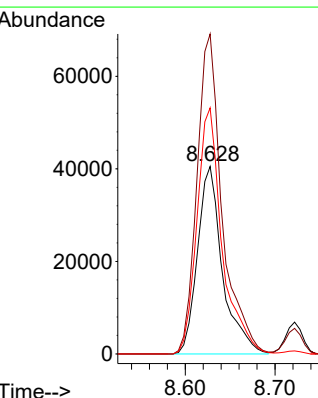
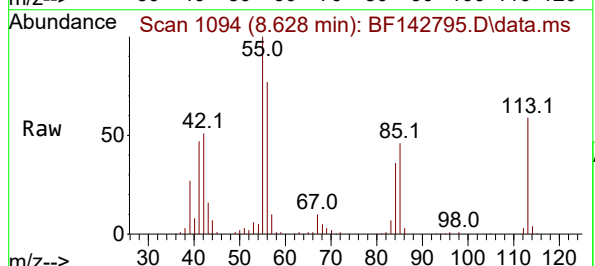
Tgt Ion:113 Resp: 78302

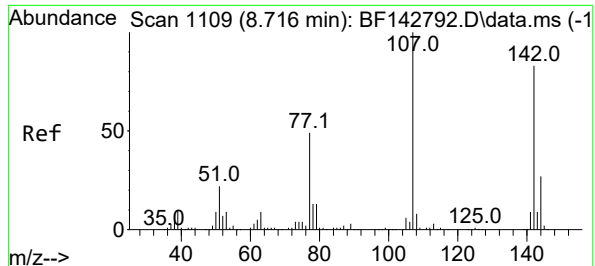
Ion Ratio Lower Upper

113 100

55 170.6 154.4 194.4

56 131.2 112.1 152.1

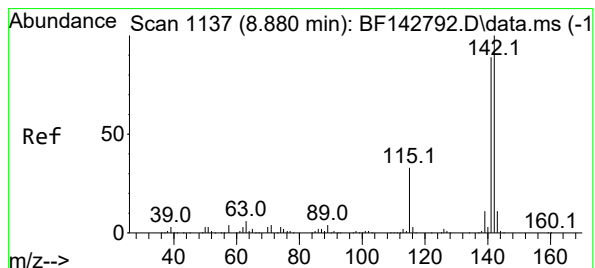
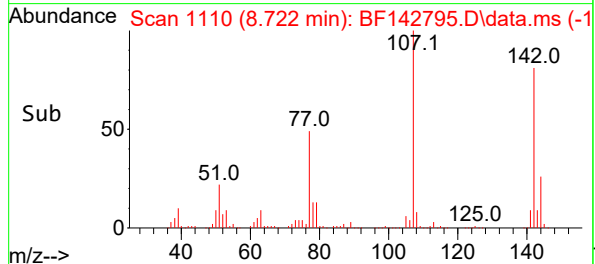
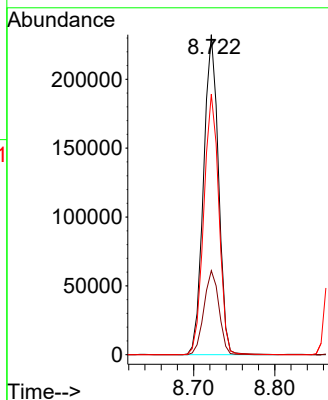
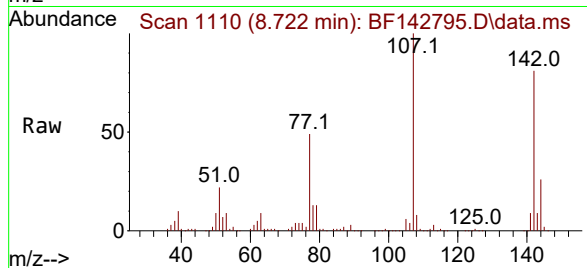




#36
4-Chloro-3-methylphenol
Concen: 70.974 ng
RT: 8.722 min Scan# 1110
Delta R.T. 0.006 min
Lab File: BF142795.D
Acq: 19 Jun 2025 20:40

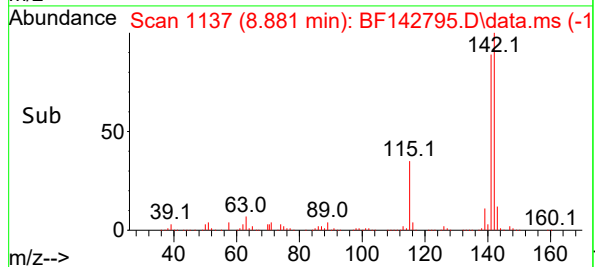
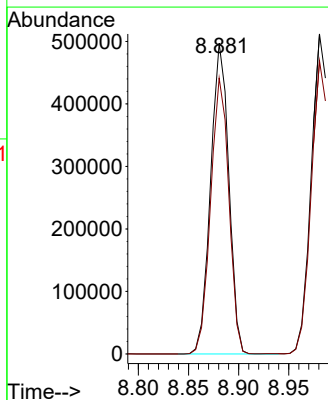
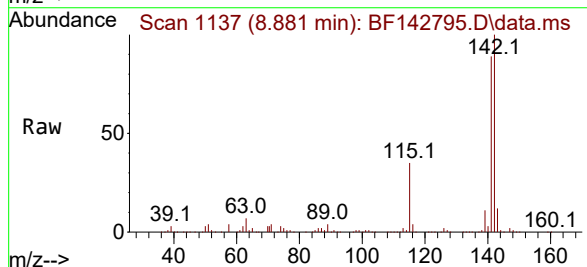
Instrument :
BNA_F
ClientSampleId :
SSTDICC080

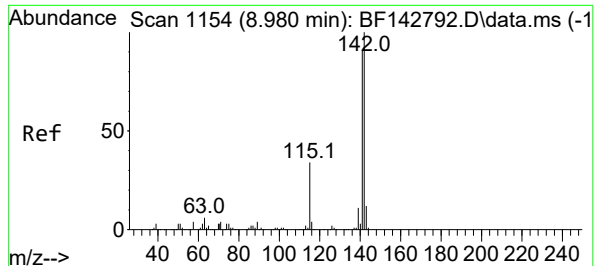
Tgt Ion:107 Resp: 296520
Ion Ratio Lower Upper
107 100
144 26.2 21.3 31.9
142 81.4 66.6 100.0



#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 :

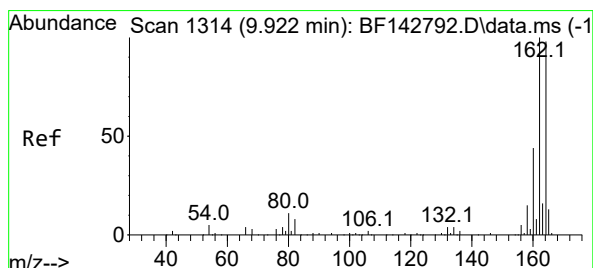
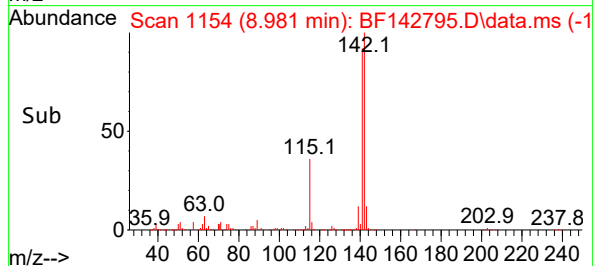
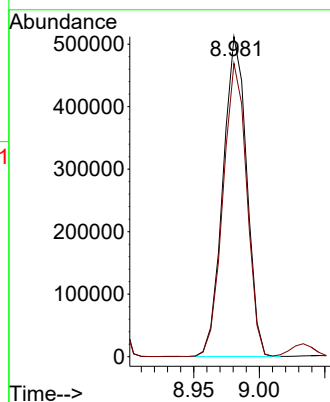
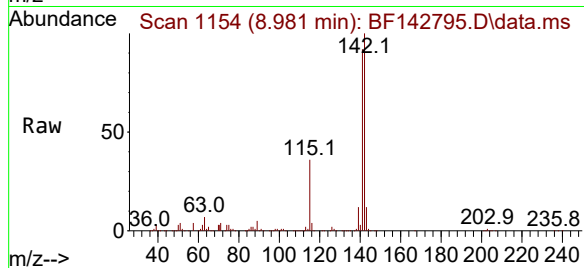
SSTDICC080

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

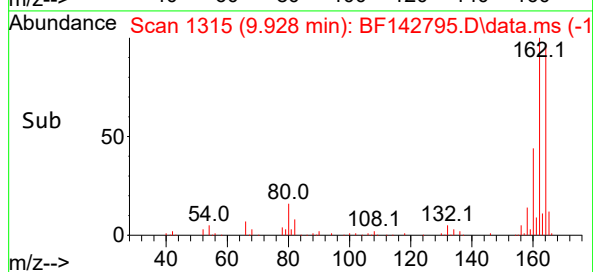
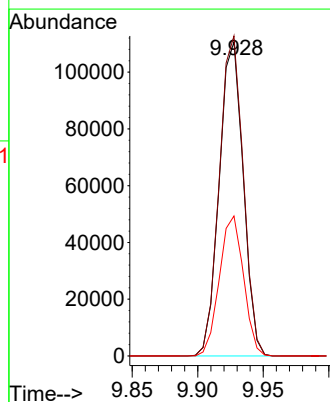
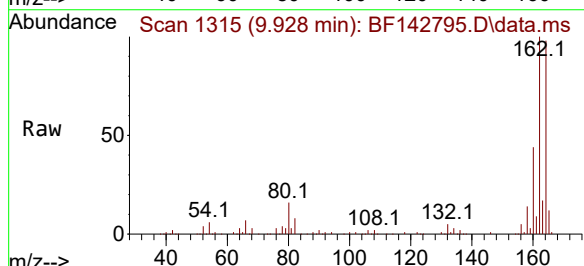
Tgt Ion:164 Resp: 140262

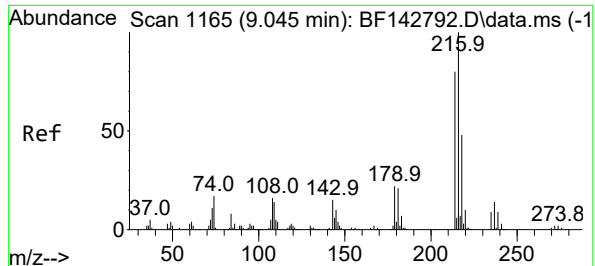
Ion Ratio Lower Upper

164 100

162 101.9 81.8 122.8

160 44.6 36.0 54.0

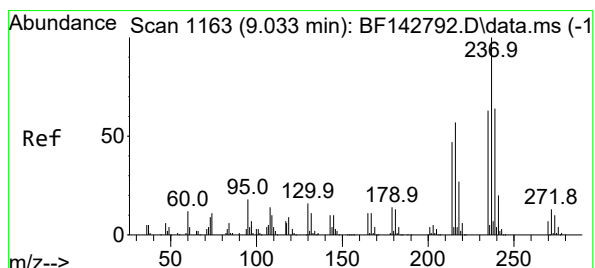
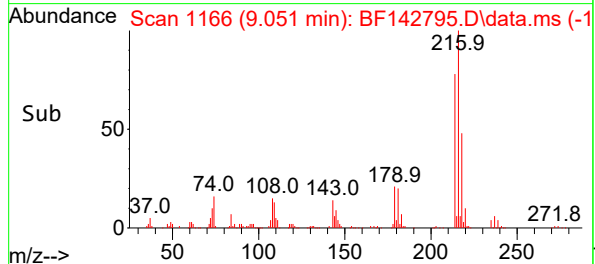
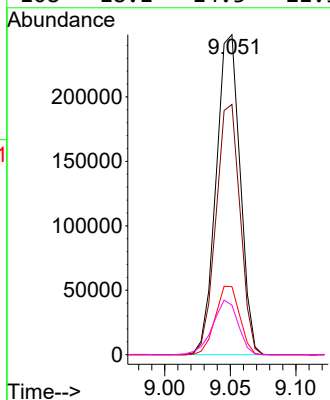
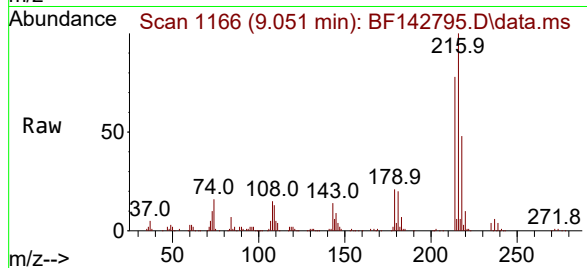




#40
1,2,4,5-Tetrachlorobenzene
Concen: 78.028 ng
RT: 9.051 min Scan# 1166
Delta R.T. 0.006 min
Lab File: BF142795.D
Acq: 19 Jun 2025 20:40

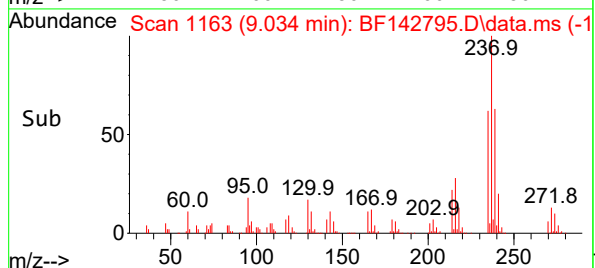
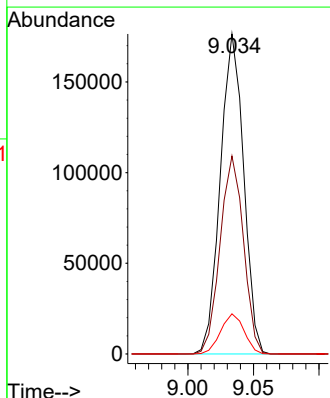
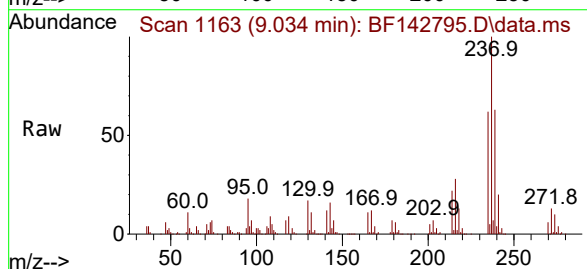
Instrument :
BNA_F
ClientSampleId :
SSTDICC080

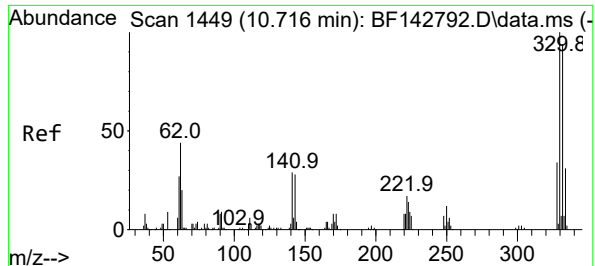
Tgt Ion:216 Resp: 315930
Ion Ratio Lower Upper
216 100
214 78.5 63.7 95.5
179 21.7 17.6 26.4
108 18.1 14.3 21.5



#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

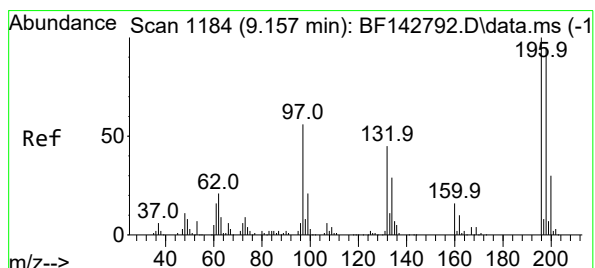
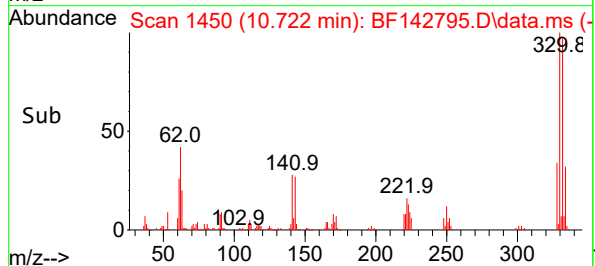
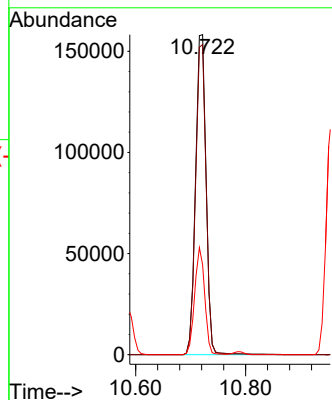
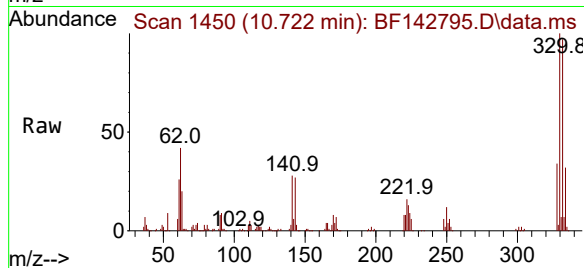
Tgt Ion:330 Resp: 210092

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

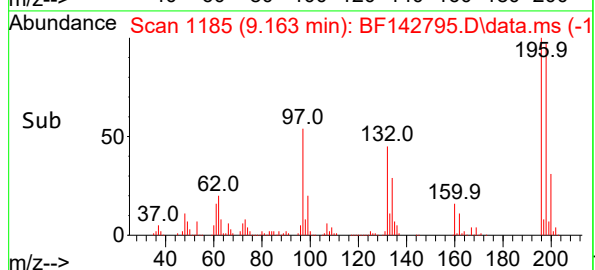
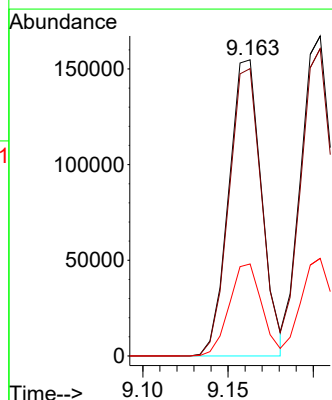
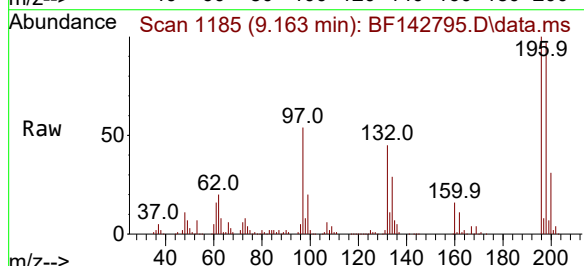
Tgt Ion:196 Resp: 207984

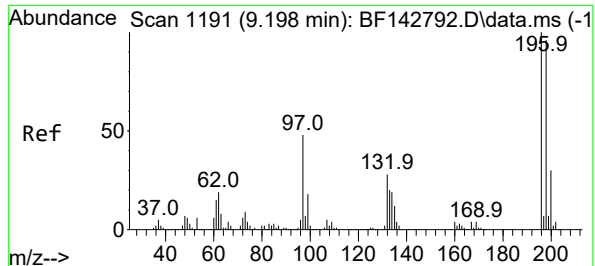
Ion Ratio Lower Upper

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

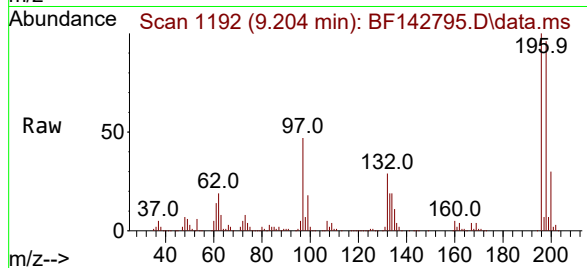
Acq: 19 Jun 2025 20:40

Instrument :

BNA_F

ClientSampleId :

SSTDICC080



Tgt Ion:196 Resp: 217860

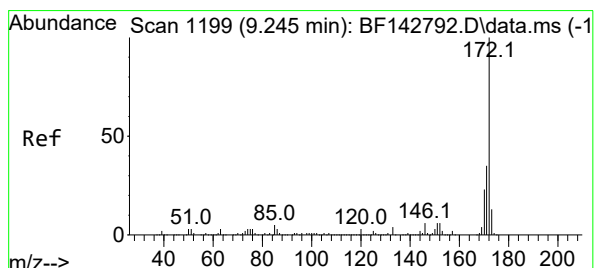
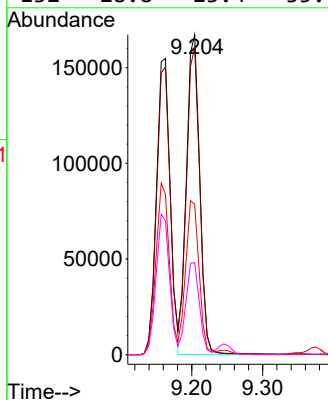
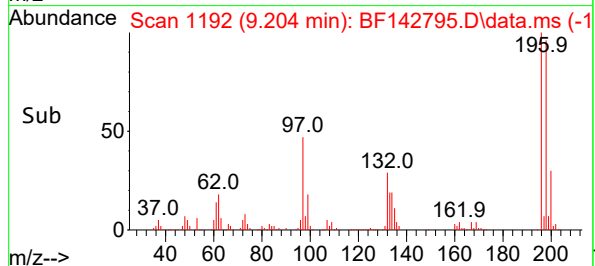
Ion Ratio Lower Upper

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

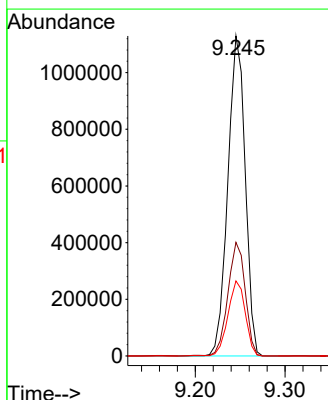
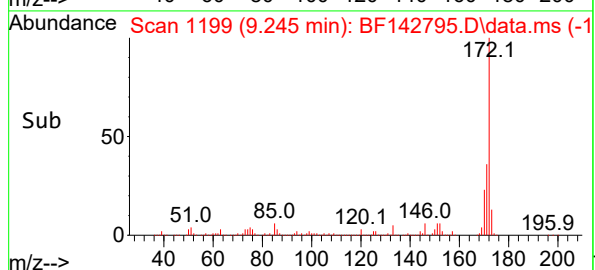
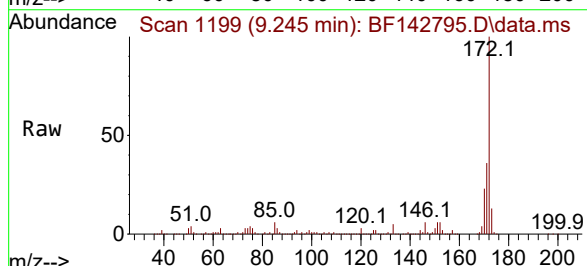
Tgt Ion:172 Resp: 1515847

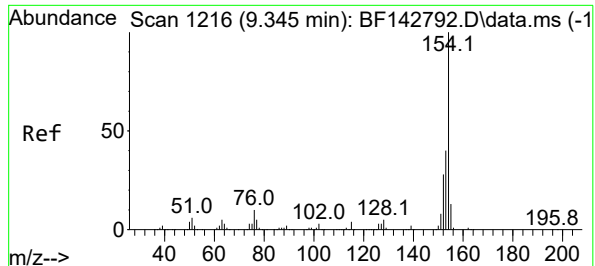
Ion Ratio Lower Upper

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

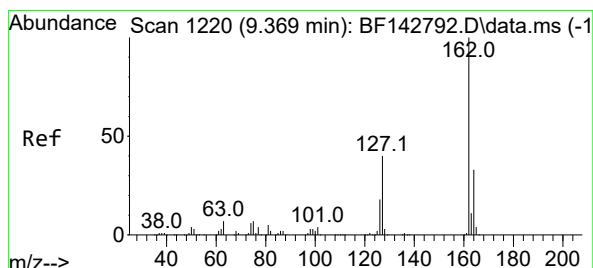
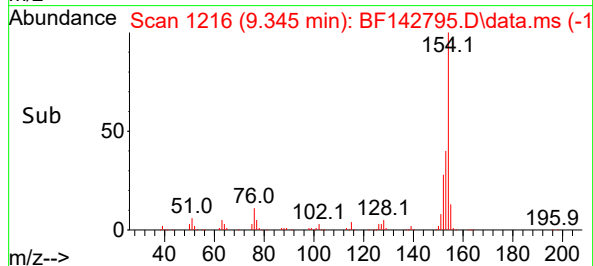
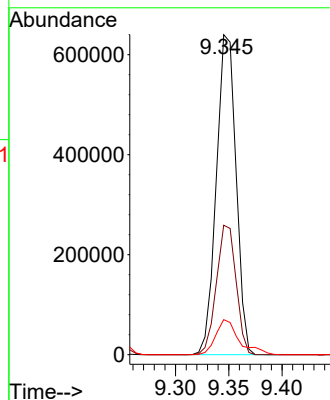
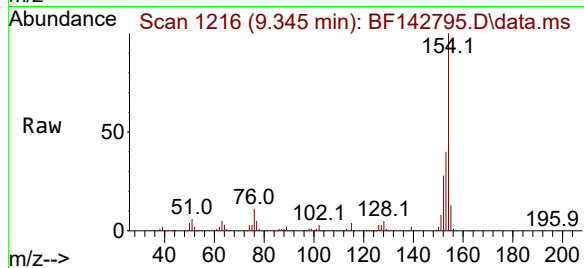
Tgt Ion:154 Resp: 822529

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

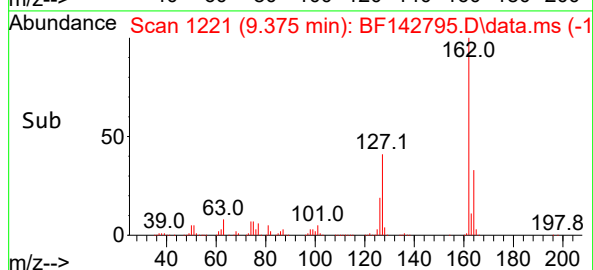
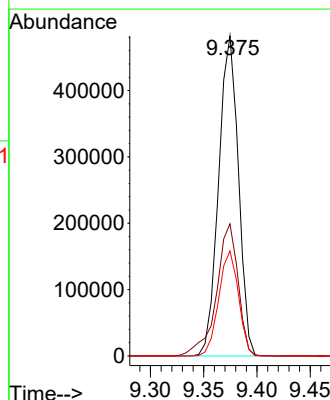
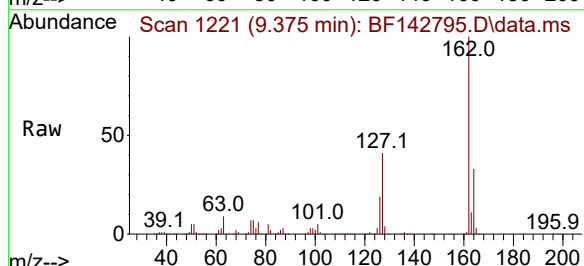
Tgt Ion:162 Resp: 620399

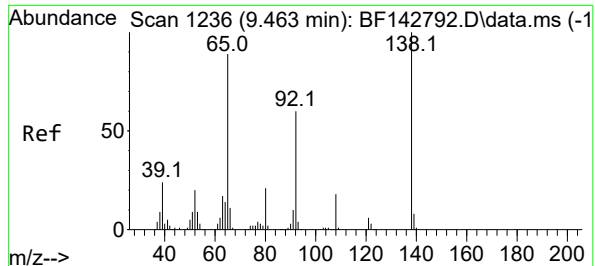
Ion Ratio Lower Upper

162 100

127 41.3 32.2 48.2

164 32.8 26.1 39.1

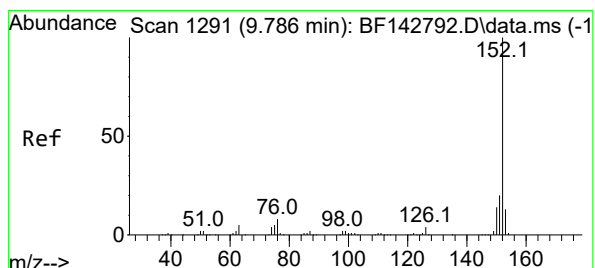
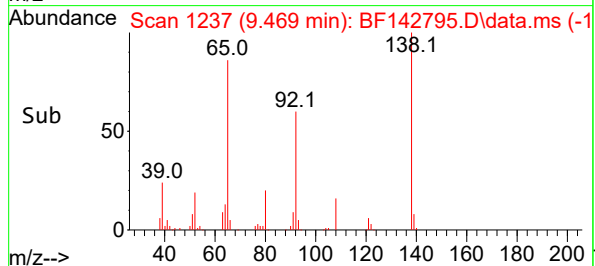
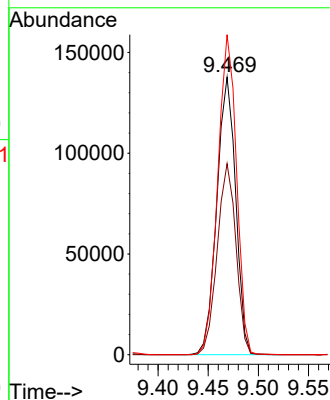
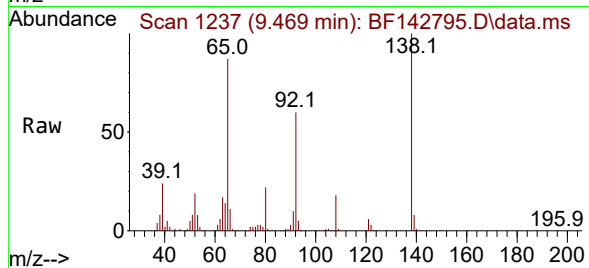




#48
2-Nitroaniline
Concen: 78.716 ng
RT: 9.469 min Scan# 1236
Delta R.T. 0.006 min
Lab File: BF142795.D
Acq: 19 Jun 2025 20:40

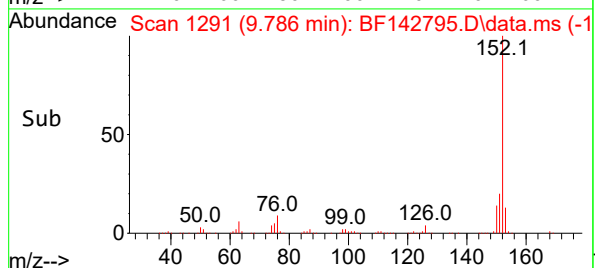
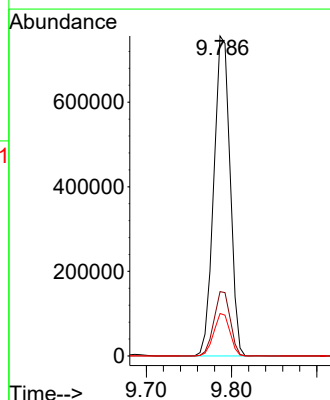
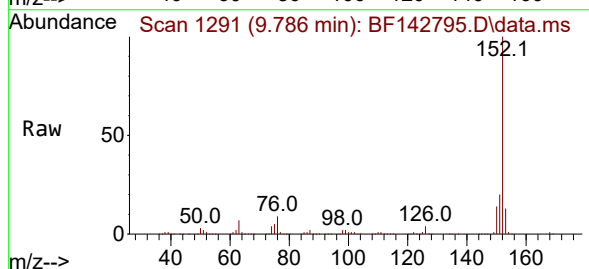
Instrument :
BNA_F
ClientSampleId :
SSTDICC080

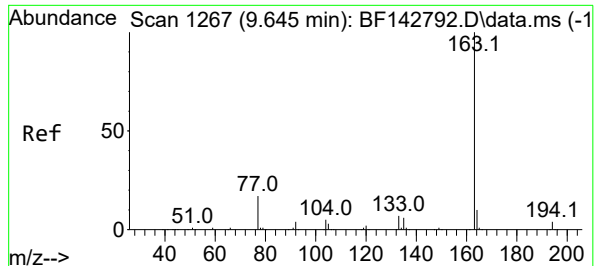
Tgt Ion: 65 Resp: 179718
Ion Ratio Lower Upper
65 100
92 68.8 53.8 80.6
138 115.3 89.6 134.4



#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

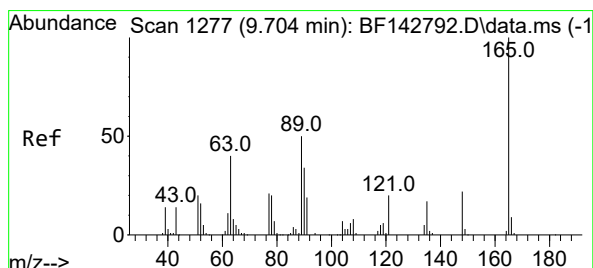
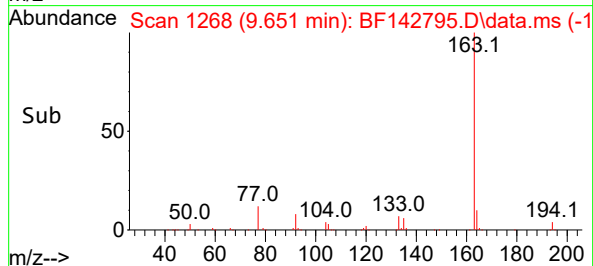
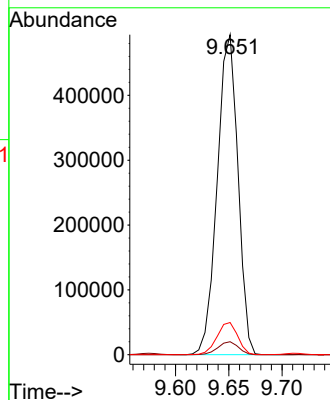
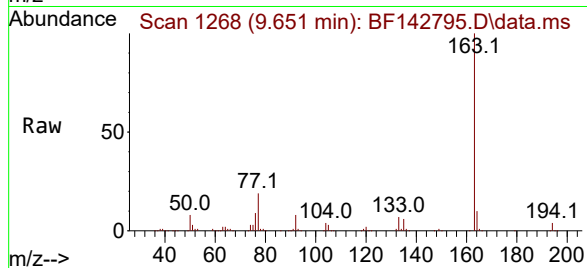
Tgt Ion:163 Resp: 665322

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

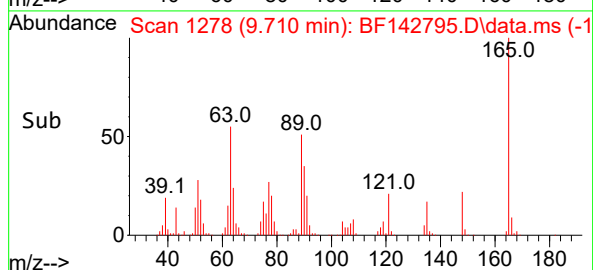
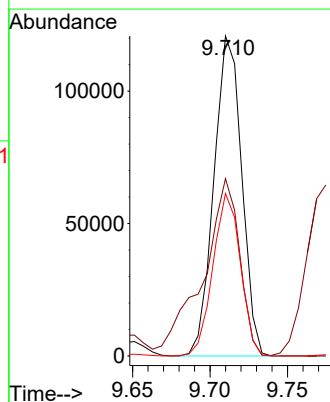
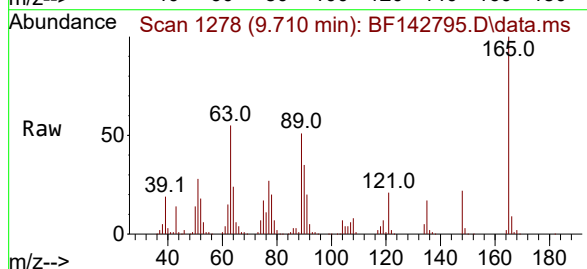
Tgt Ion:165 Resp: 150567

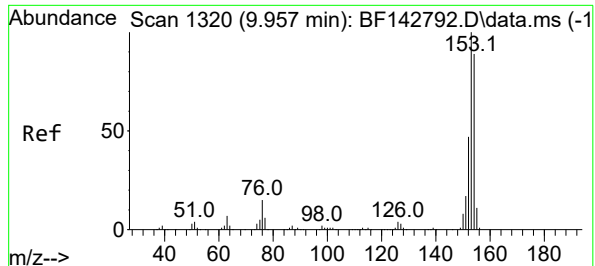
Ion Ratio Lower Upper

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

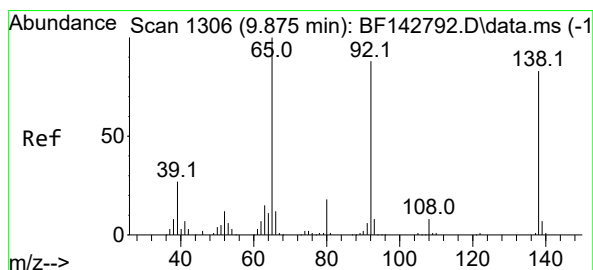
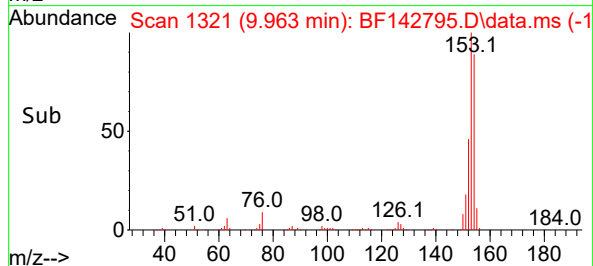
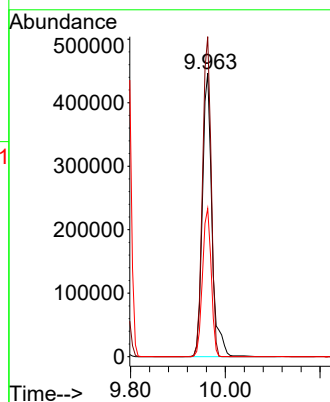
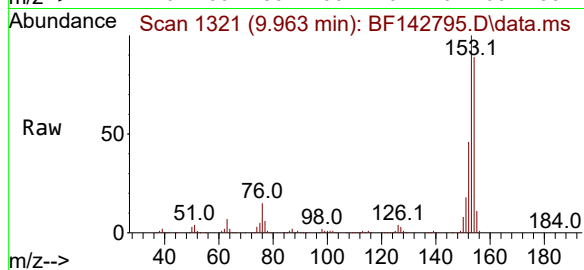
Tgt Ion:154 Resp: 621336

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

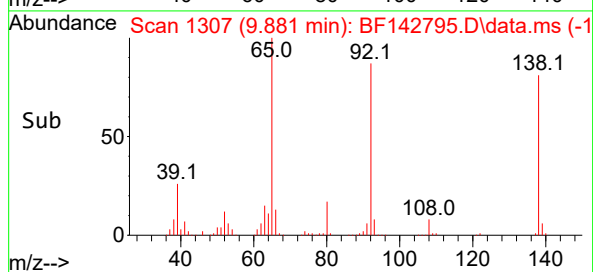
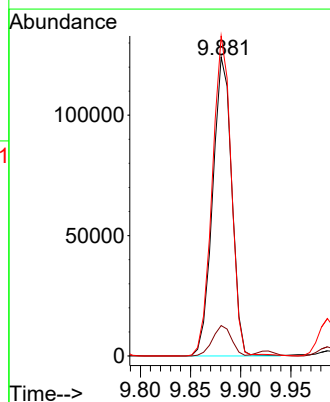
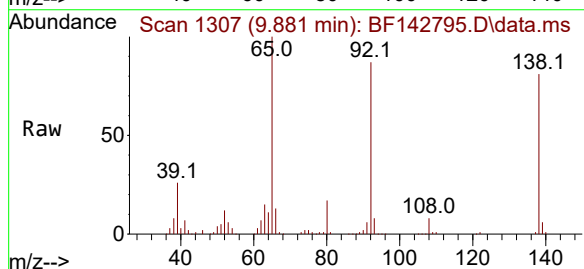
Tgt Ion:138 Resp: 164090

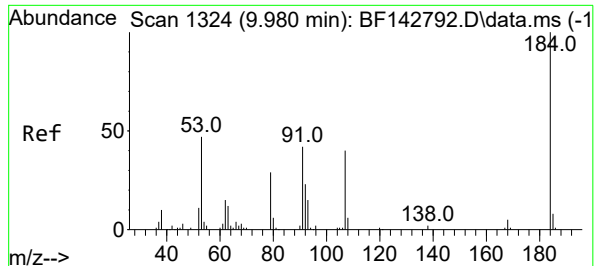
Ion Ratio Lower Upper

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

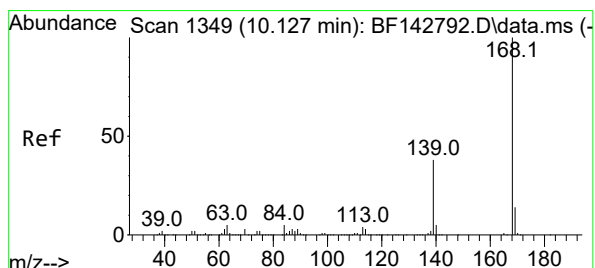
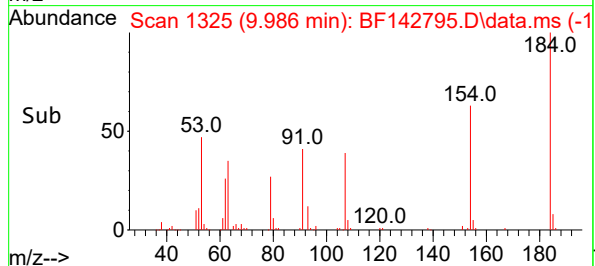
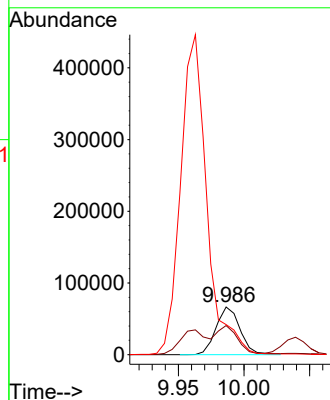
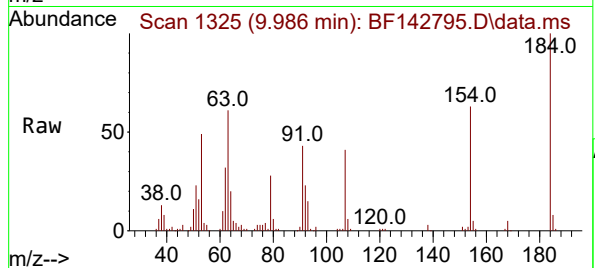
Tgt Ion:184 Resp: 85185

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

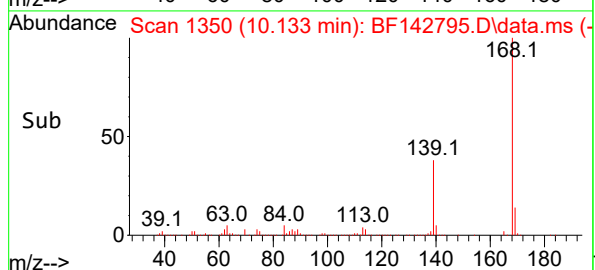
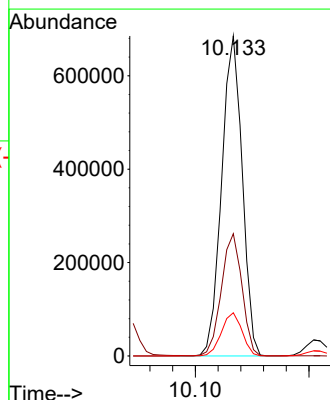
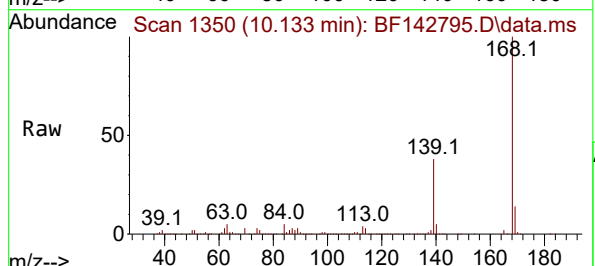
Tgt Ion:168 Resp: 862110

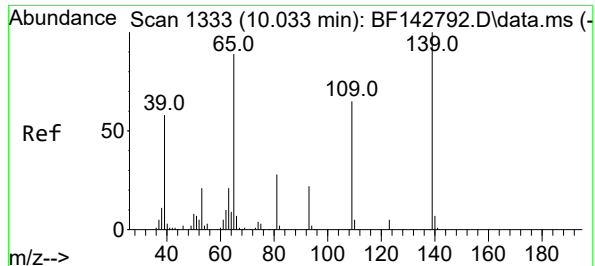
Ion Ratio Lower Upper

168 100

139 38.2 30.2 45.4

169 13.5 10.8 16.2

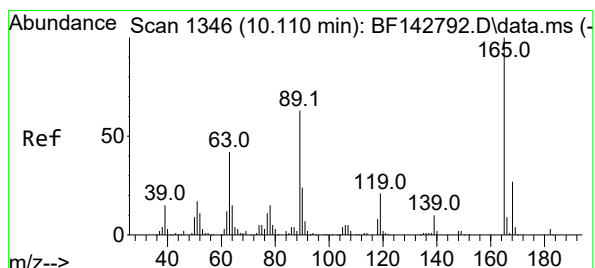
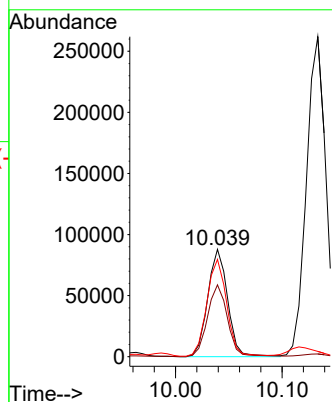
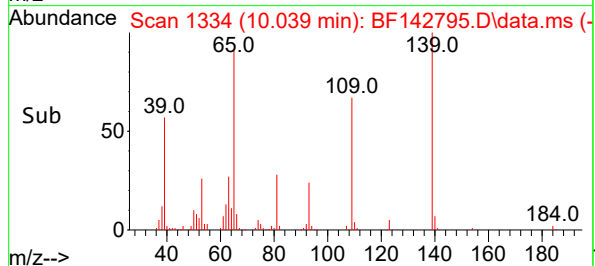
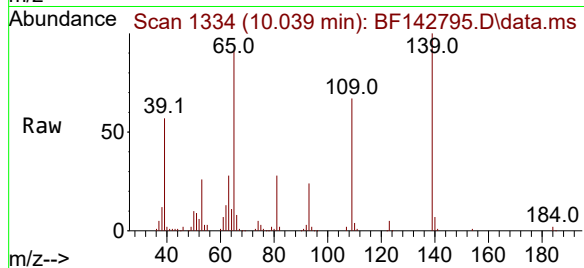




#56
4-Nitrophenol
Concen: 76.771 ng
RT: 10.039 min Scan# 11
Delta R.T. 0.006 min
Lab File: BF142795.D
Acq: 19 Jun 2025 20:40

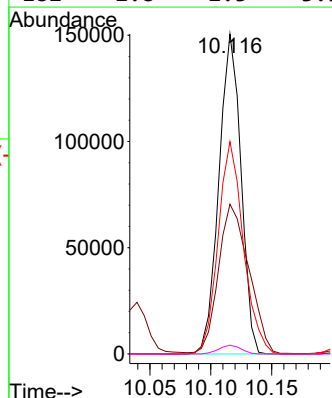
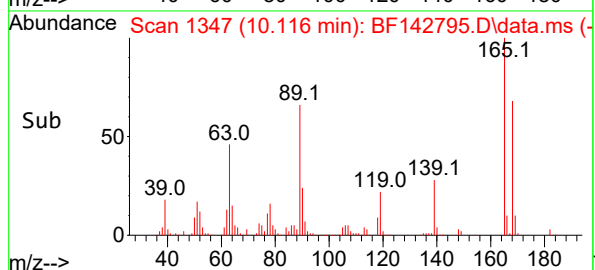
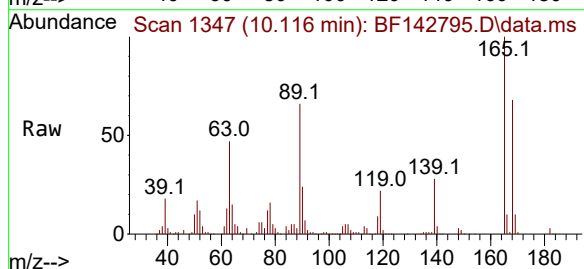
Instrument :
BNA_F
ClientSampleId :
SSTDICC080

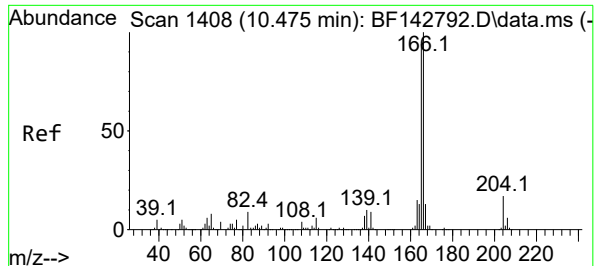
Tgt Ion:139 Resp: 114163
Ion Ratio Lower Upper
139 100
109 67.0 44.7 84.7
65 90.7 69.8 109.8



#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

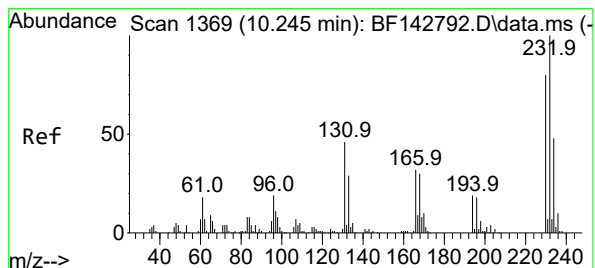
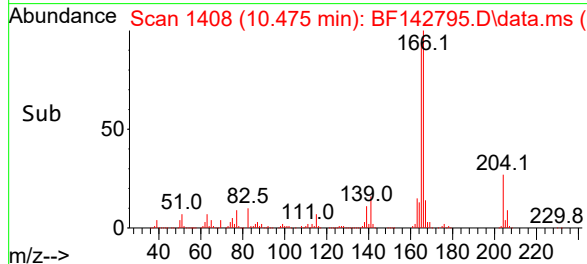
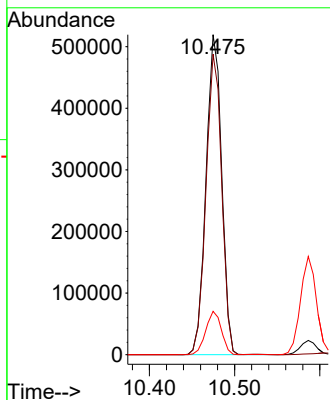
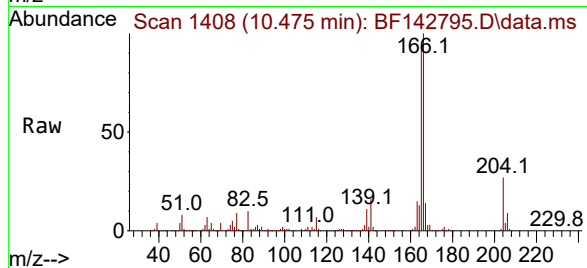




#58
Fluorene
Concen: 70.475 ng
RT: 10.475 min Scan# 1408
Delta R.T. 0.000 min
Lab File: BF142795.D
Acq: 19 Jun 2025 20:40

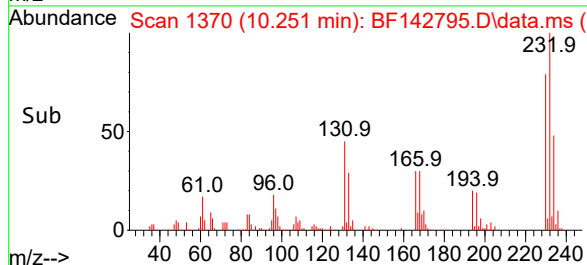
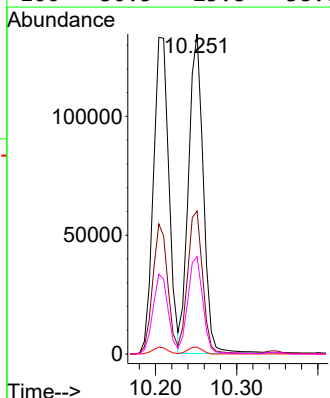
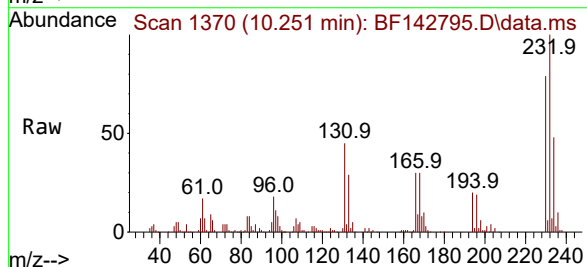
Instrument :
BNA_F
ClientSampleId :
SSTDICC080

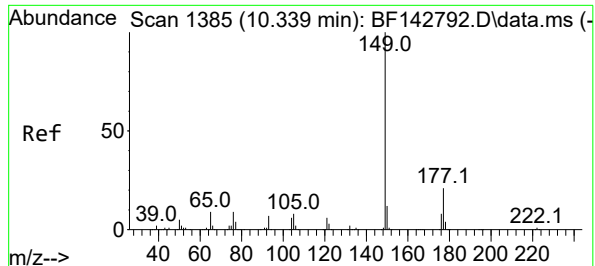
Tgt Ion:	166	Resp:	663463
Ion Ratio	Lower	Upper	
166	100		
165	93.9	75.2	112.8
167	13.5	10.6	15.8



#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

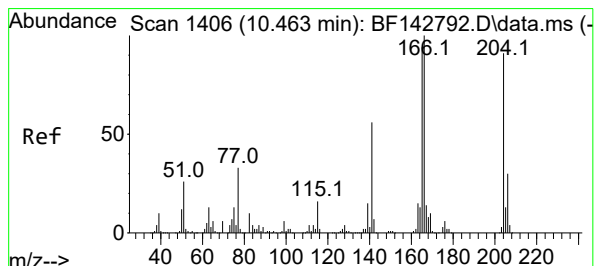
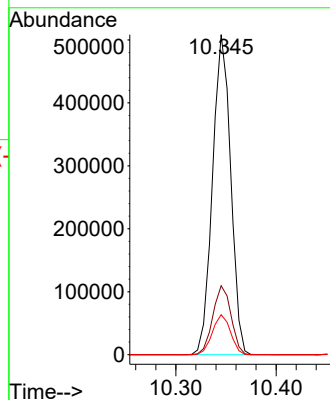
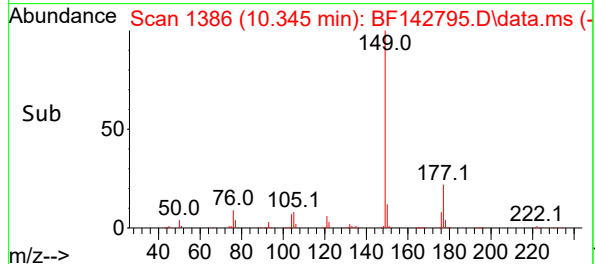
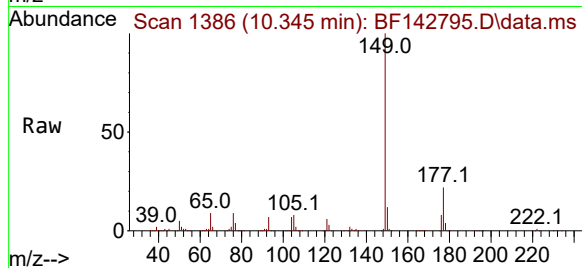




#60
Diethylphthalate
Concen: 69.265 ng
RT: 10.345 min Scan# 1386
Delta R.T. 0.006 min
Lab File: BF142795.D
Acq: 19 Jun 2025 20:40

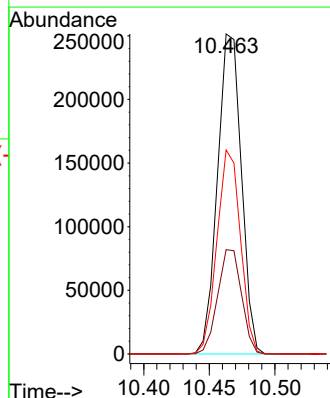
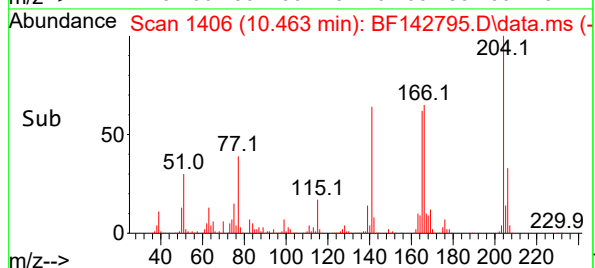
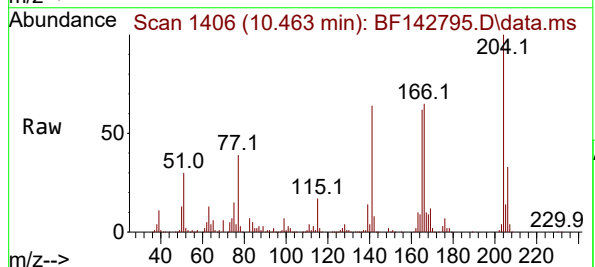
Instrument :
BNA_F
ClientSampleId :
SSTDICC080

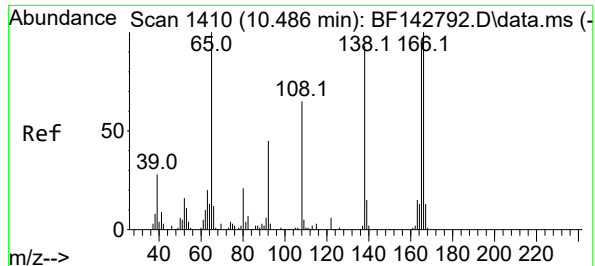
Tgt Ion:149 Resp: 640148
Ion Ratio Lower Upper
149 100
177 21.6 17.0 25.6
150 12.5 9.8 14.6



#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

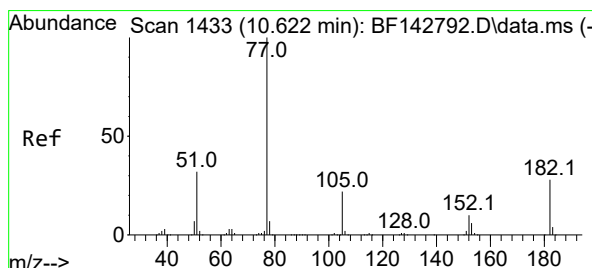
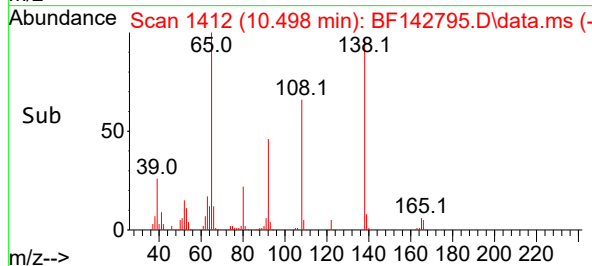
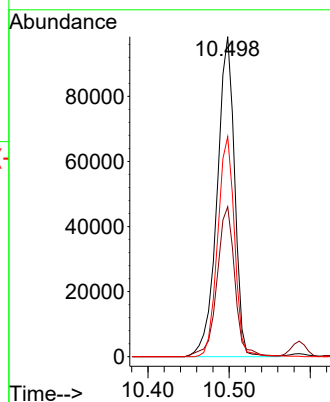
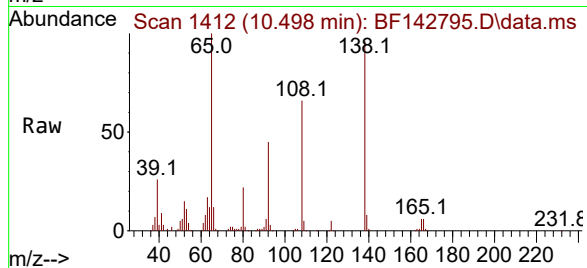
Tgt Ion:138 Resp: 147879

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

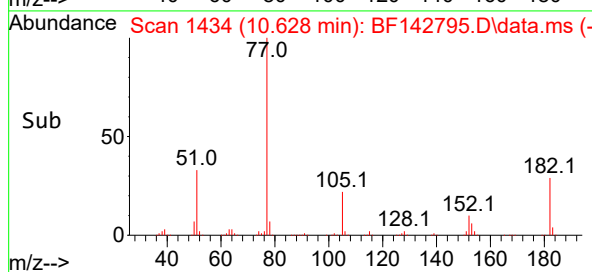
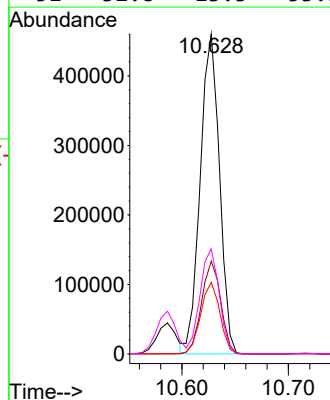
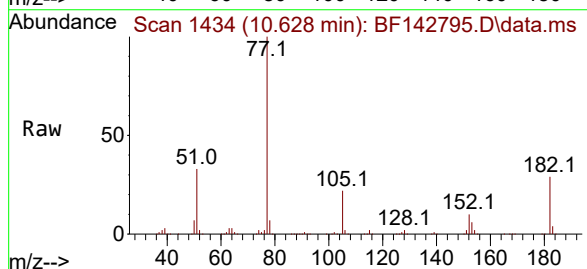
Ion Ratio Lower Upper

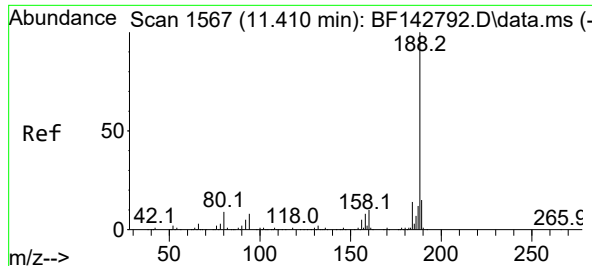
77 100

182 29.0 7.7 47.7

105 22.4 1.9 41.9

51 32.8 13.3 53.3

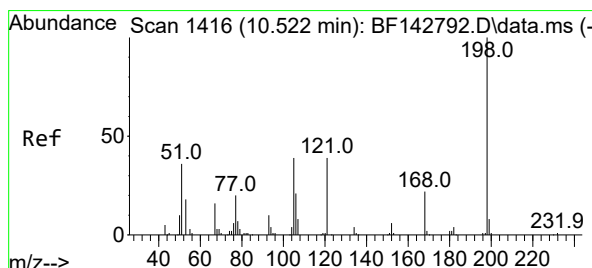
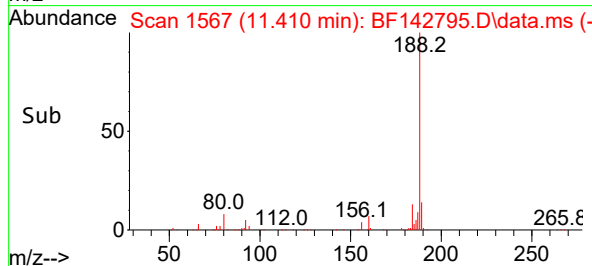
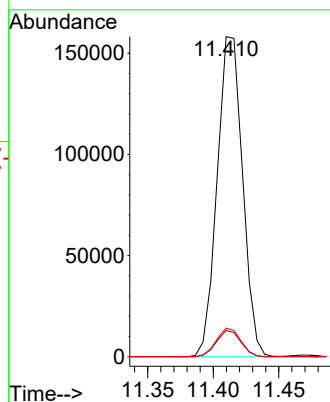
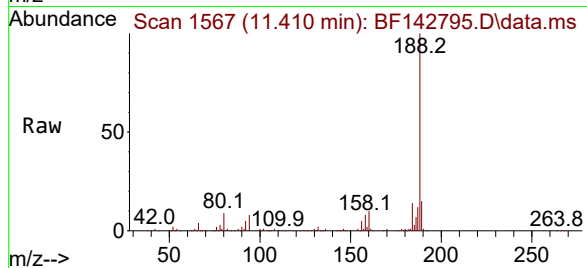




#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.410 min Scan# 11
Delta R.T. 0.000 min
Lab File: BF142795.D
Acq: 19 Jun 2025 20:40

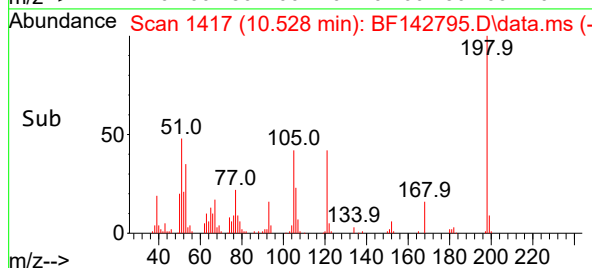
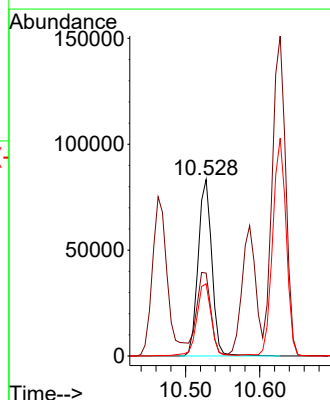
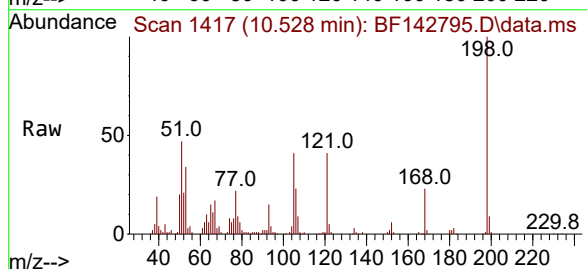
Instrument :
BNA_F
ClientSampleId :
SSTDICC080

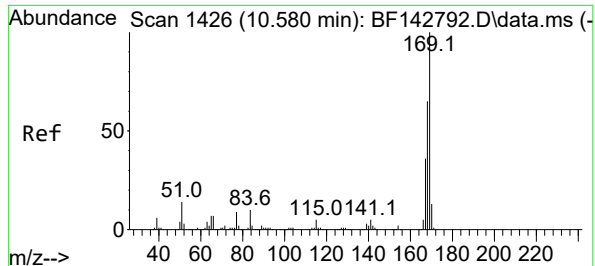
Tgt Ion	Ratio	Lower	Upper
188	100		
94	8.2	6.7	10.1
80	9.0	6.9	10.3



#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

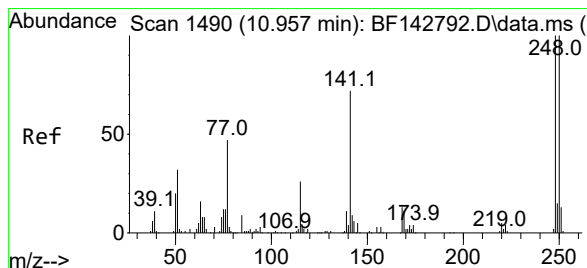
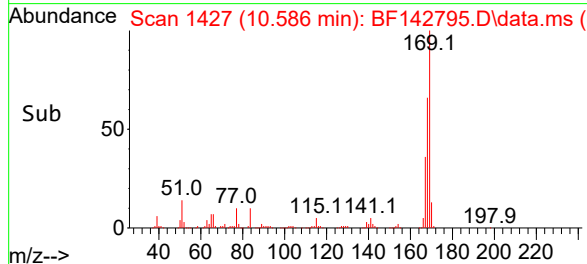
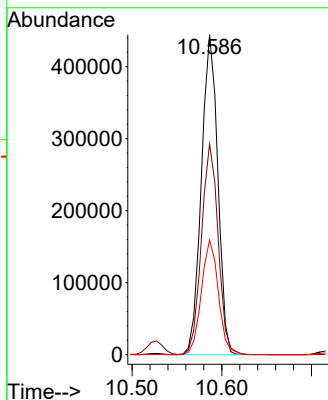
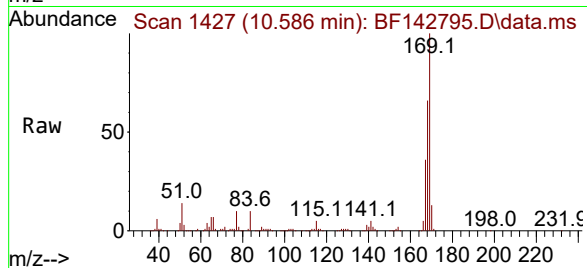




#66
n-Nitrosodiphenylamine
Concen: 77.075 ng
RT: 10.586 min Scan# 1426
Delta R.T. 0.006 min
Lab File: BF142795.D
Acq: 19 Jun 2025 20:40

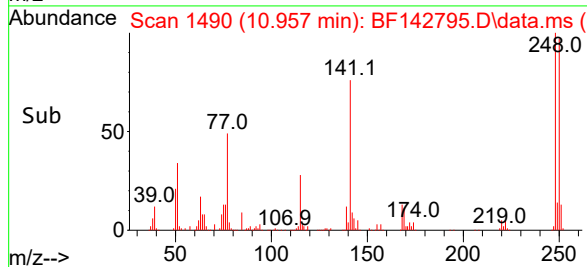
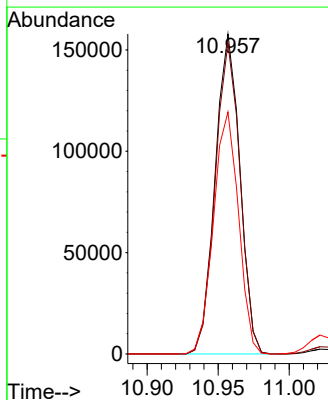
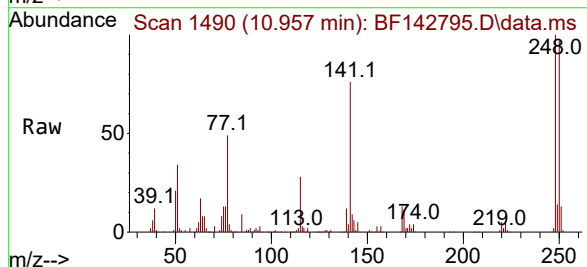
Instrument :
BNA_F
ClientSampleId :
SSTDICC080

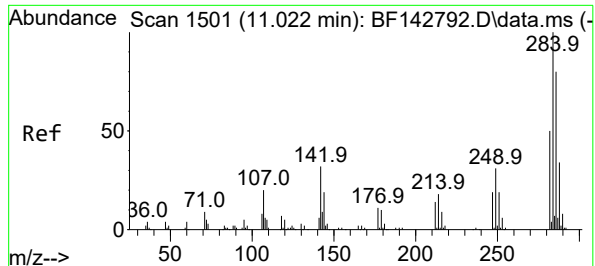
Tgt Ion:169 Resp: 564677
Ion Ratio Lower Upper
169 100
168 65.9 51.9 77.9
167 35.9 28.5 42.7



#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

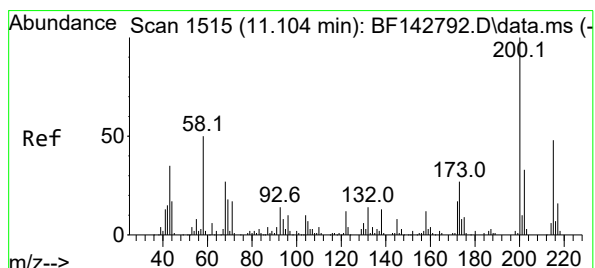
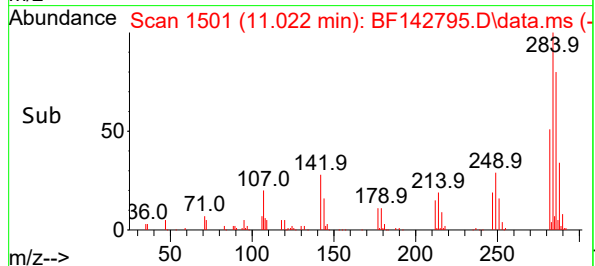
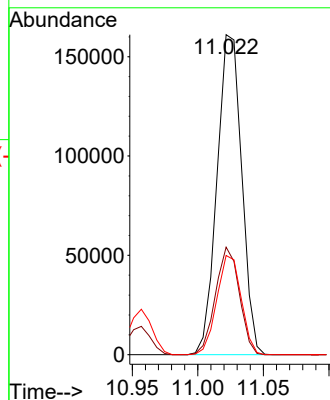
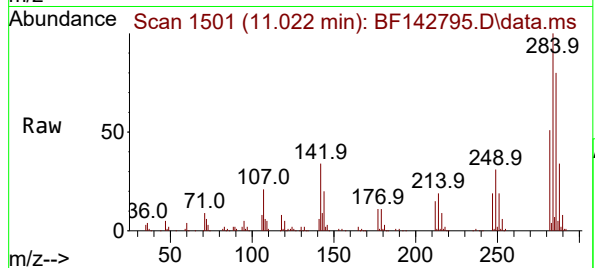




#68
Hexachlorobenzene
Concen: 76.086 ng
RT: 11.022 min Scan# 1501
Delta R.T. 0.000 min
Lab File: BF142795.D
Acq: 19 Jun 2025 20:40

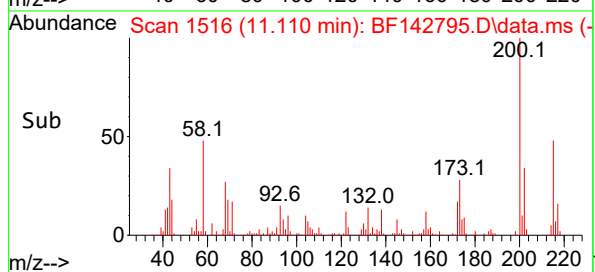
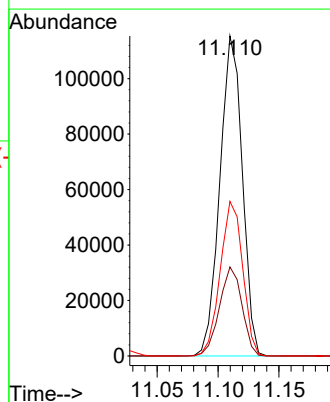
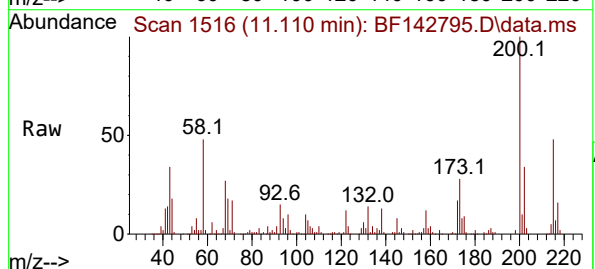
Instrument :
BNA_F
ClientSampleId :
SSTDICC080

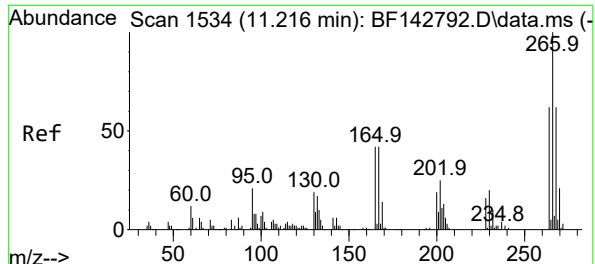
Tgt Ion:284 Resp: 210925
Ion Ratio Lower Upper
284 100
142 33.6 25.5 38.3
249 31.0 24.9 37.3



#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

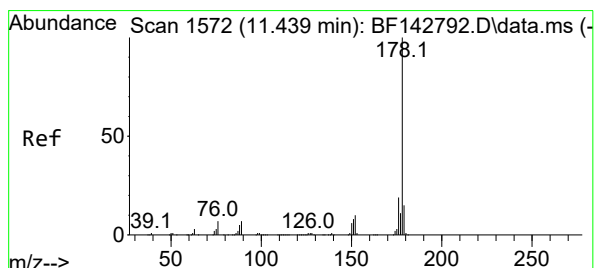
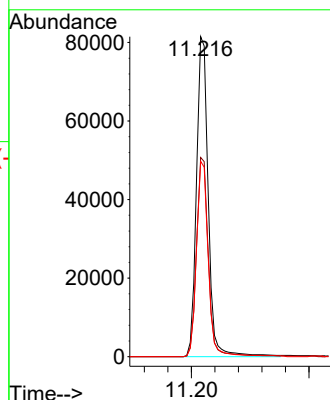
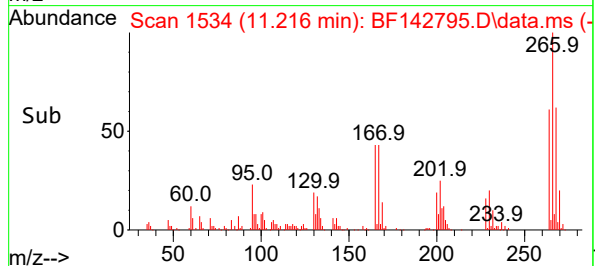
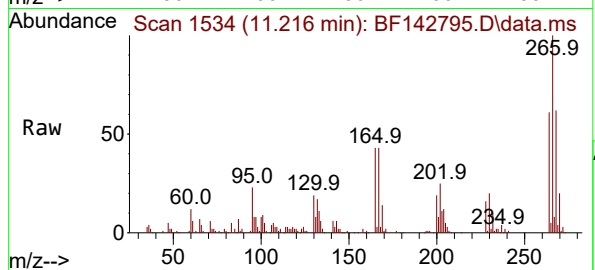
Tgt Ion:266 Resp: 113104

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

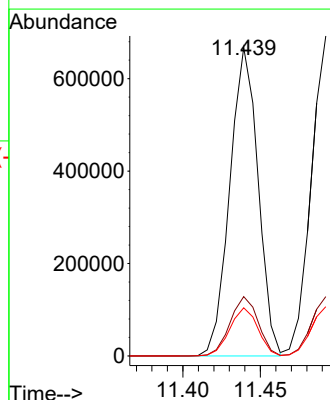
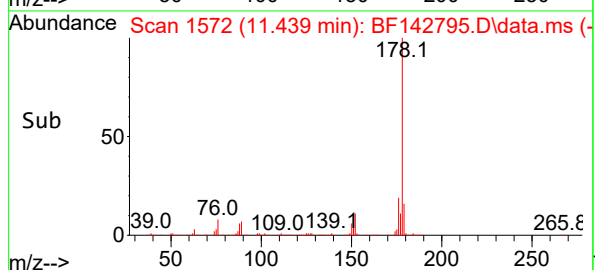
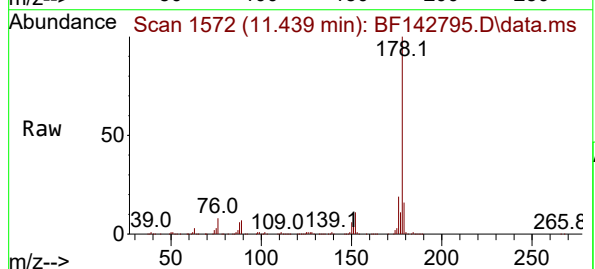
Tgt Ion:178 Resp: 845899

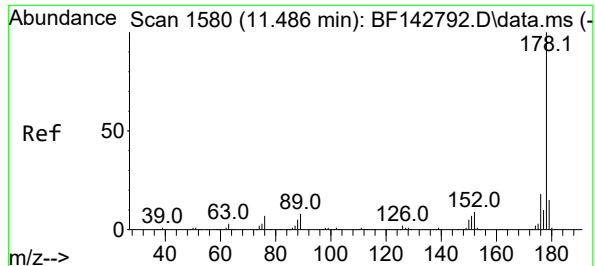
Ion Ratio Lower Upper

178 100

176 19.3 15.1 22.7

179 15.6 12.0 18.0

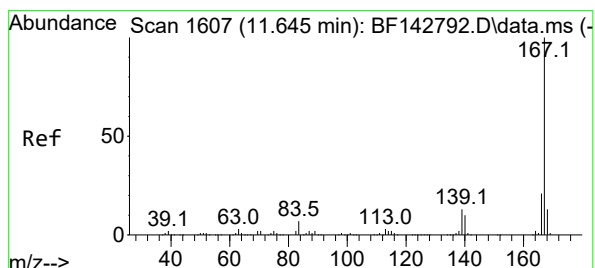
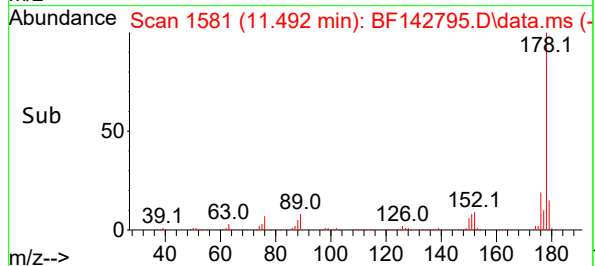
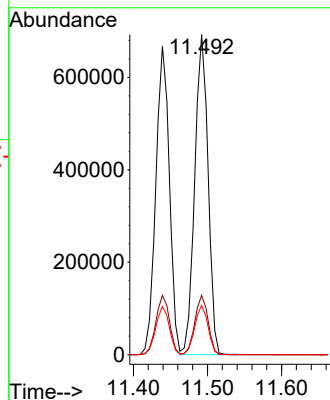
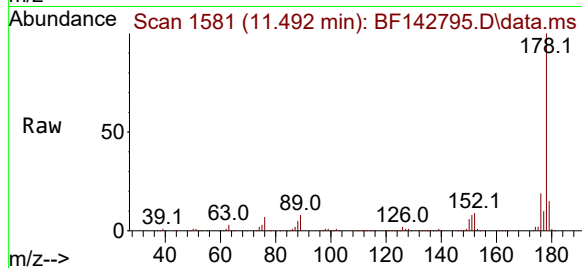




#72
Anthracene
Concen: 73.008 ng
RT: 11.492 min Scan# 1581
Delta R.T. 0.006 min
Lab File: BF142795.D
Acq: 19 Jun 2025 20:40

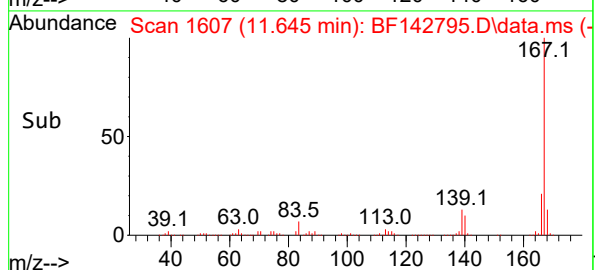
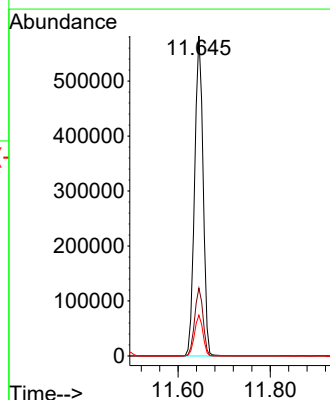
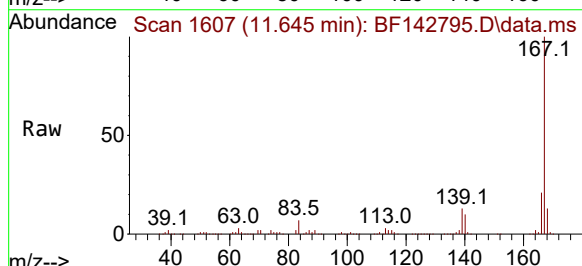
Instrument :
BNA_F
ClientSampleId :
SSTDICC080

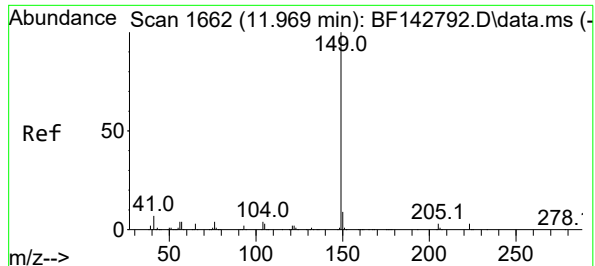
Tgt Ion:178 Resp: 862662
Ion Ratio Lower Upper
178 100
176 18.6 14.6 21.8
179 15.4 12.4 18.6



#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

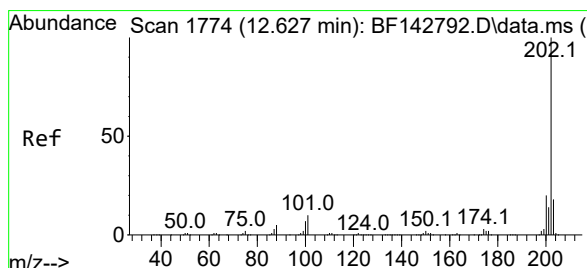
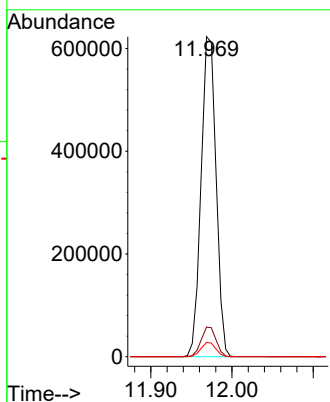
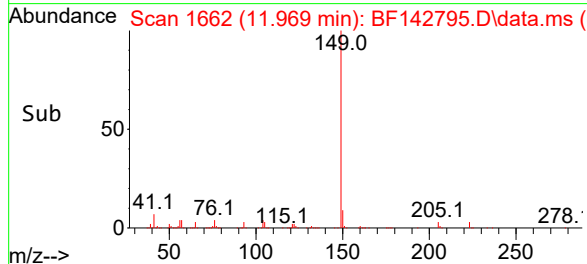
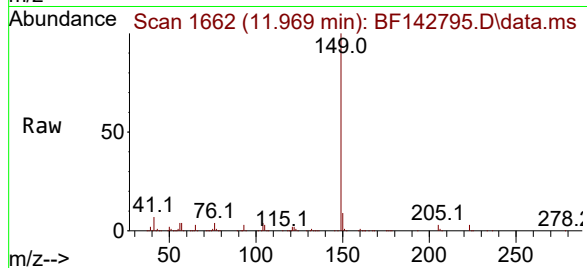




#74
Di-n-butylphthalate
Concen: 72.884 ng
RT: 11.969 min Scan# 1662
Delta R.T. 0.000 min
Lab File: BF142795.D
Acq: 19 Jun 2025 20:40

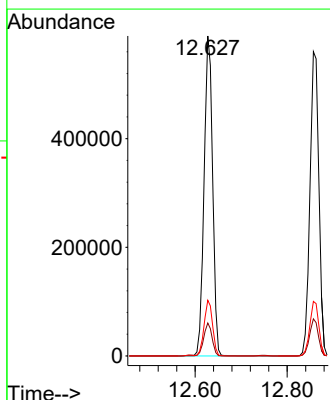
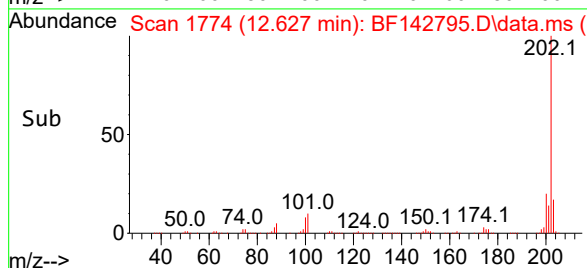
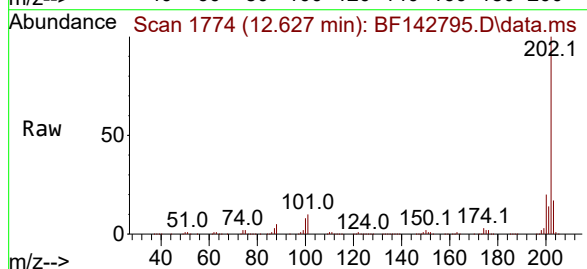
Instrument :
BNA_F
ClientSampleId :
SSTDICC080

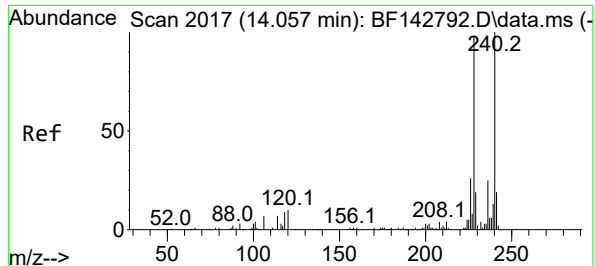
Tgt Ion:149 Resp: 798500
Ion Ratio Lower Upper
149 100
150 9.3 7.4 11.0
104 4.5 3.5 5.3



#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

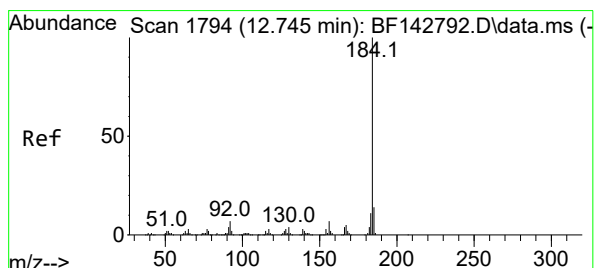
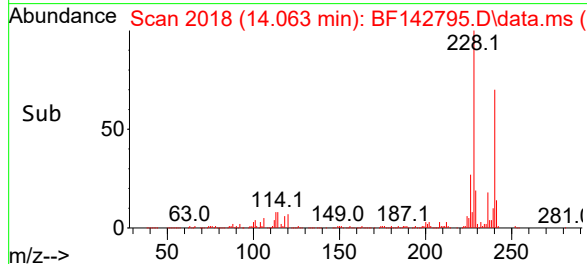
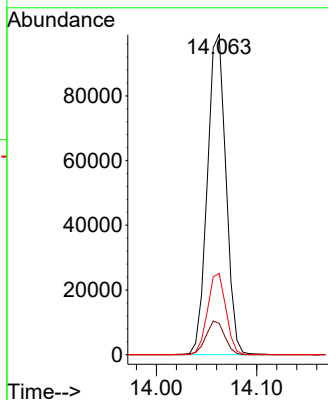
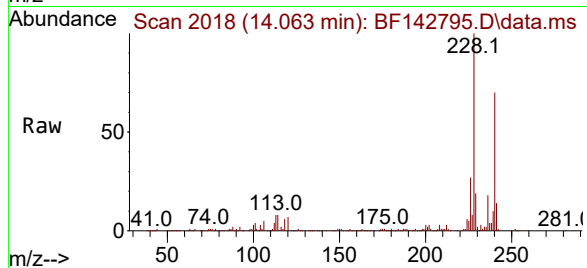




#76
Chrysene-d12
Concen: 20.000 ng
RT: 14.063 min Scan# 2017
Delta R.T. 0.006 min
Lab File: BF142795.D
Acq: 19 Jun 2025 20:40

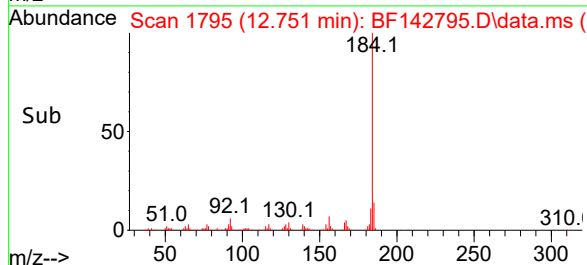
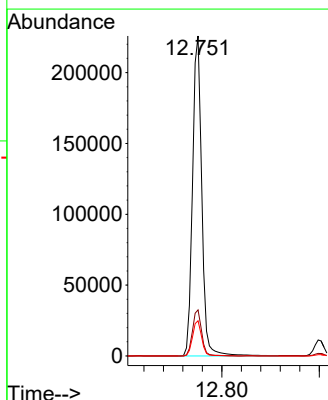
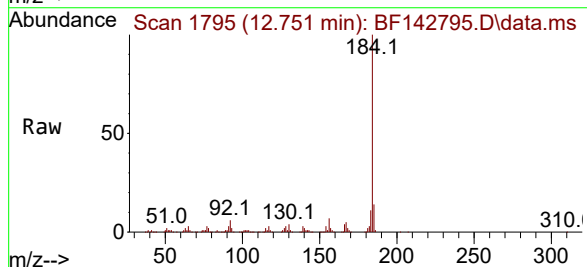
Instrument :
BNA_F
ClientSampleId :
SSTDICC080

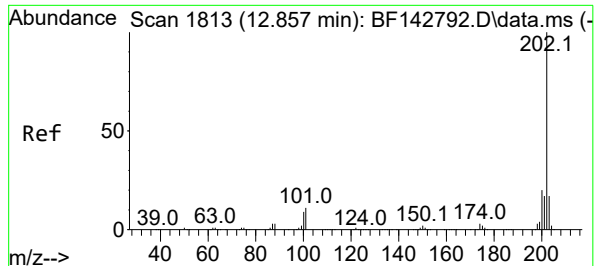
Tgt Ion:240 Resp: 127713
Ion Ratio Lower Upper
240 100
120 9.8 8.2 12.2
236 25.4 19.8 29.8



#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

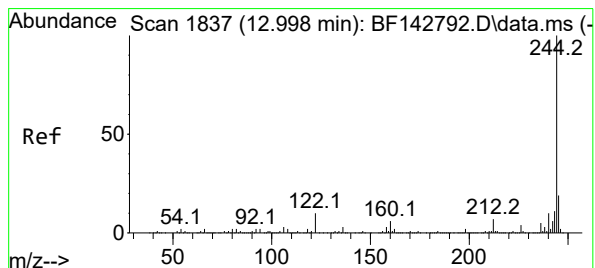
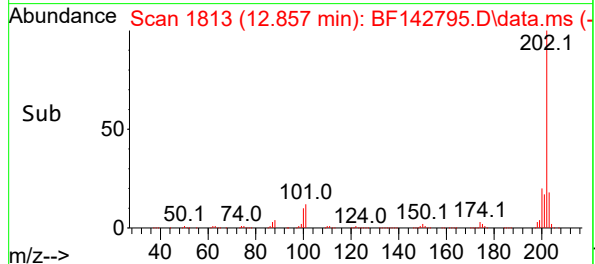
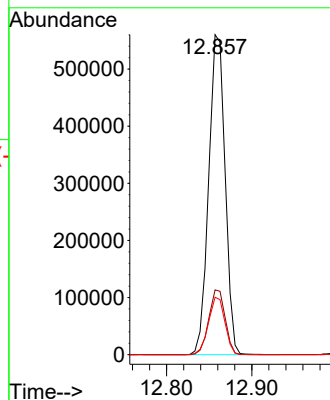
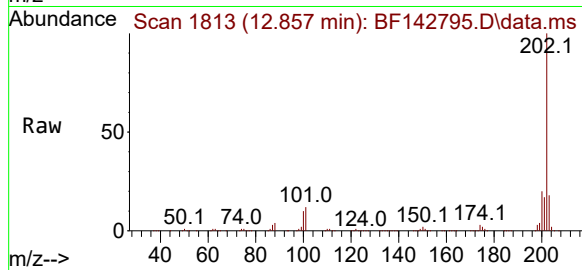




#78
Pyrene
Concen: 63.894 ng
RT: 12.857 min Scan# 1813
Delta R.T. 0.000 min
Lab File: BF142795.D
Acq: 19 Jun 2025 20:40

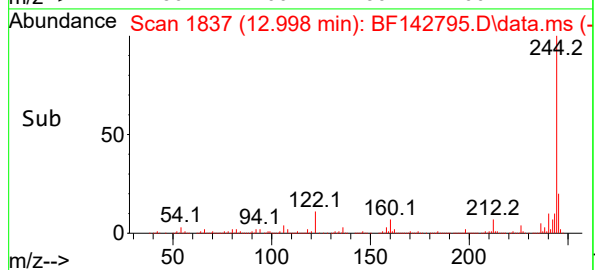
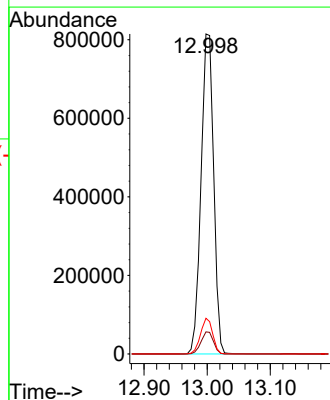
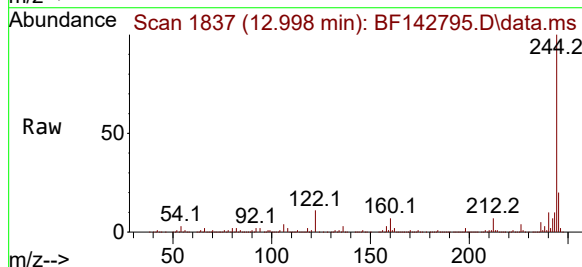
Instrument :
BNA_F
ClientSampleId :
SSTDICC080

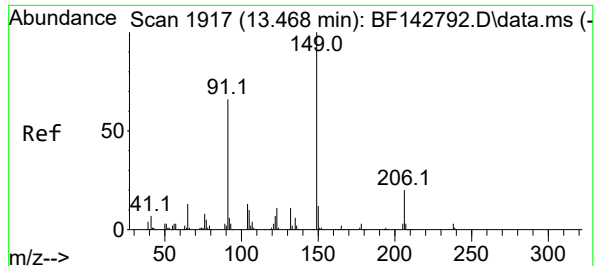
Tgt Ion:202 Resp: 750100
Ion Ratio Lower Upper
202 100
200 20.2 15.7 23.5
203 17.9 13.8 20.6



#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

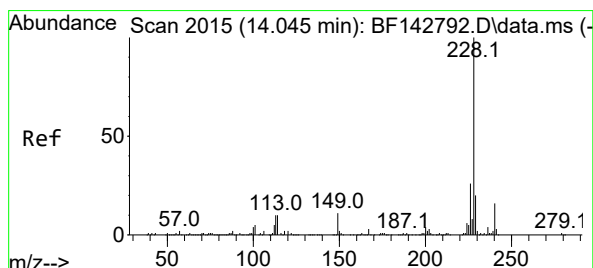
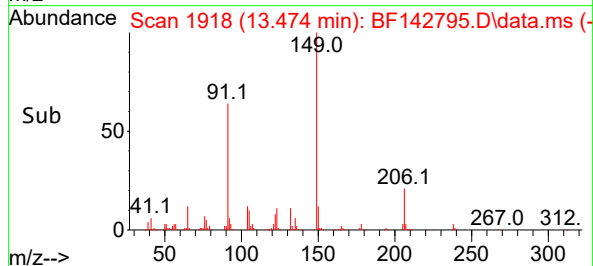
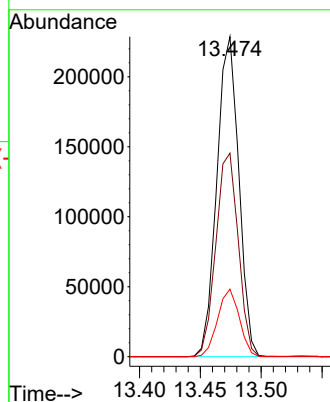
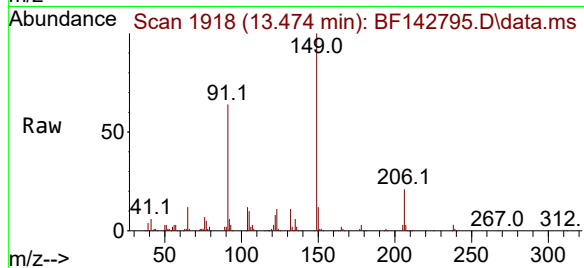
Tgt Ion:149 Resp: 287568

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

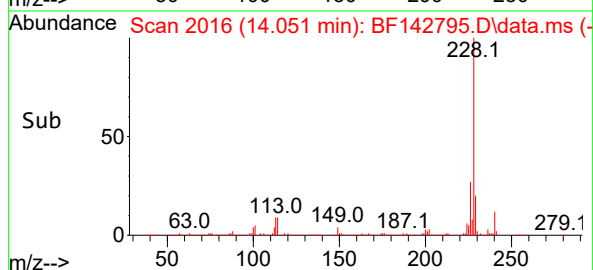
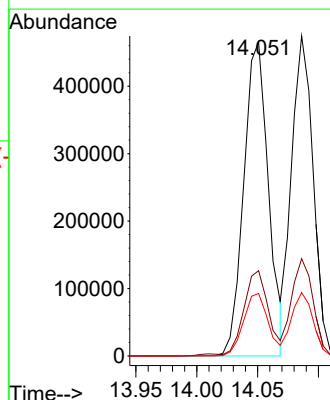
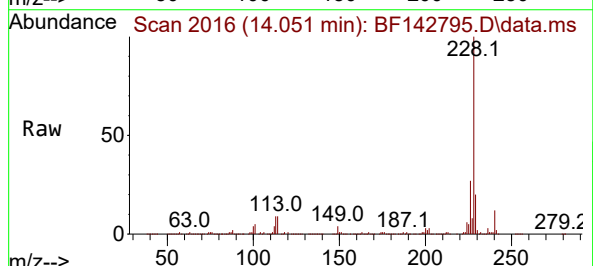
Tgt Ion:228 Resp: 655753

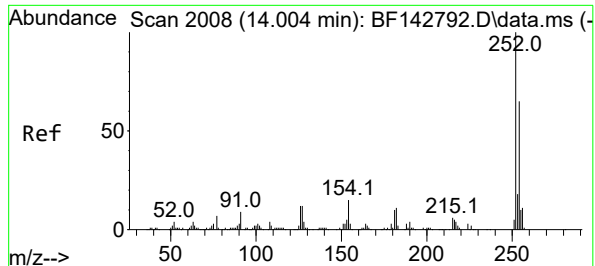
Ion Ratio Lower Upper

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

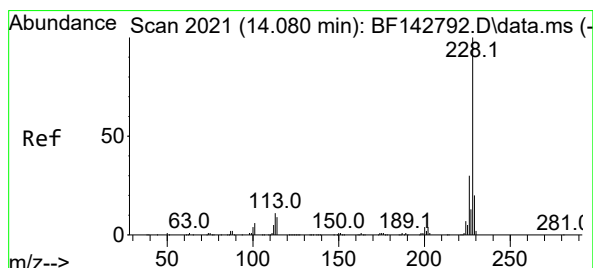
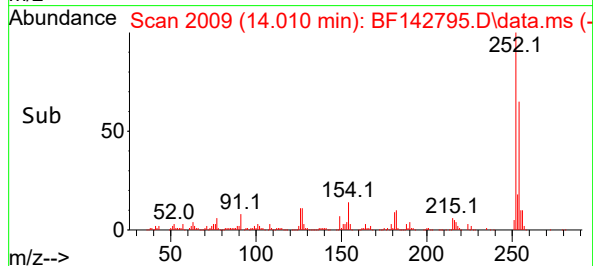
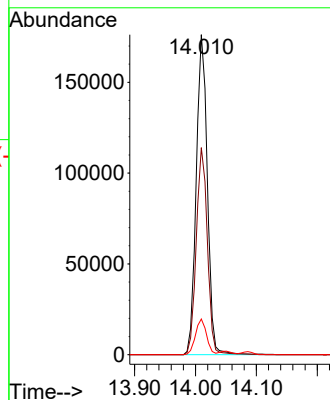
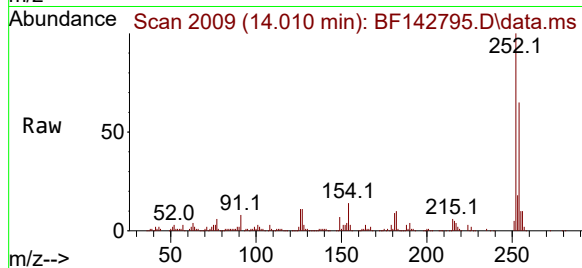
Tgt Ion:252 Resp: 223571

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

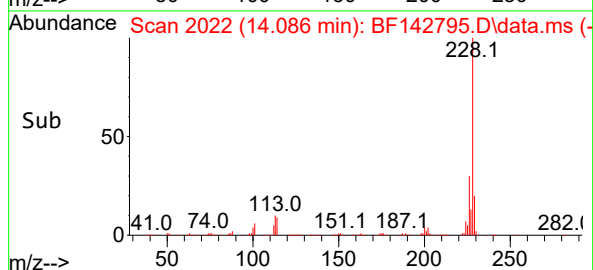
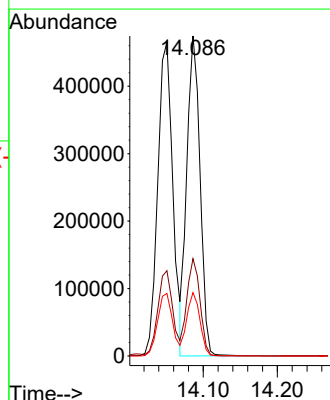
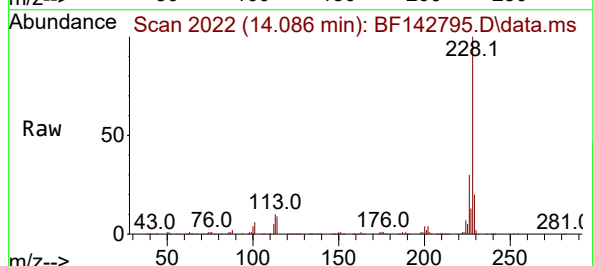
Tgt Ion:228 Resp: 587658

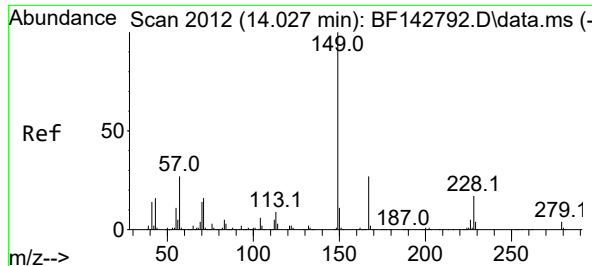
Ion Ratio Lower Upper

228 100

226 30.4 23.7 35.5

229 19.8 15.7 23.5

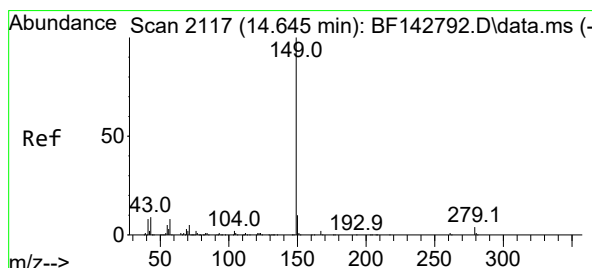
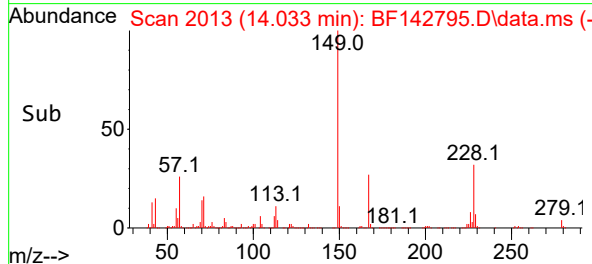
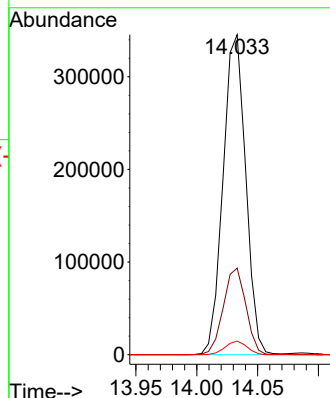
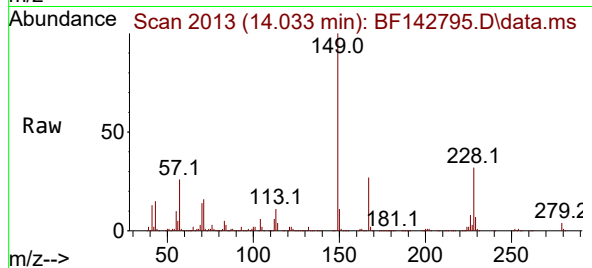




#84
Bis(2-ethylhexyl)phthalate
Concen: 86.499 ng
RT: 14.033 min Scan# 2013
Delta R.T. 0.006 min
Lab File: BF142795.D
Acq: 19 Jun 2025 20:40

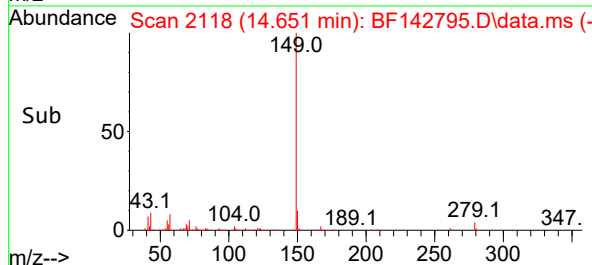
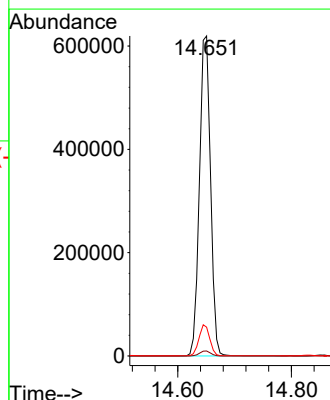
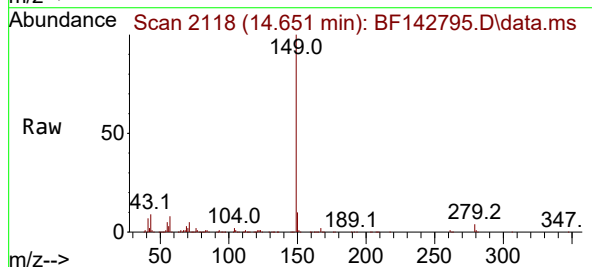
Instrument :
BNA_F
ClientSampleId :
SSTDICC080

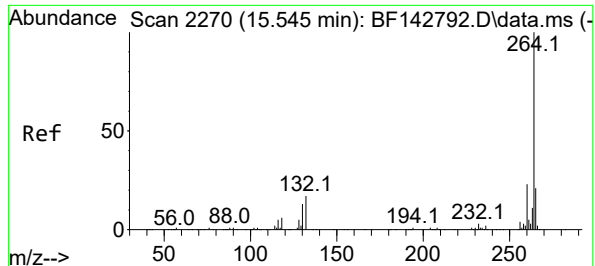
Tgt Ion:149 Resp: 448387
Ion Ratio Lower Upper
149 100
167 27.0 21.4 32.0
279 4.3 3.0 4.6



#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

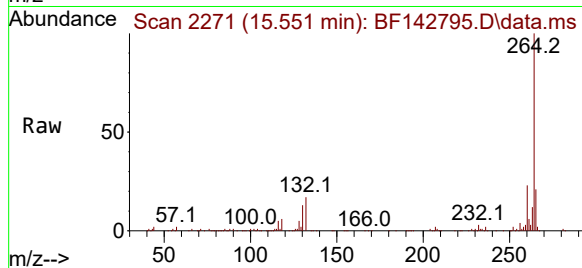
Tgt Ion:149 Resp: 843227
Ion Ratio Lower Upper
149 100
167 1.5 1.3 1.9
43 9.5 7.6 11.4



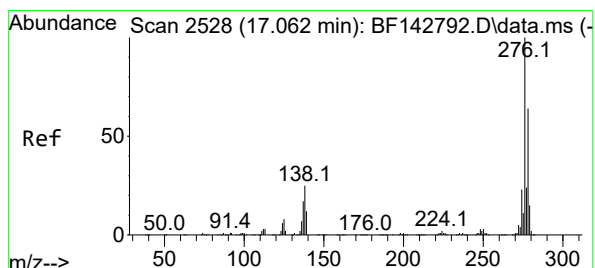
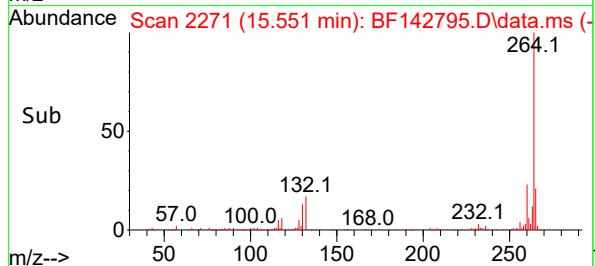
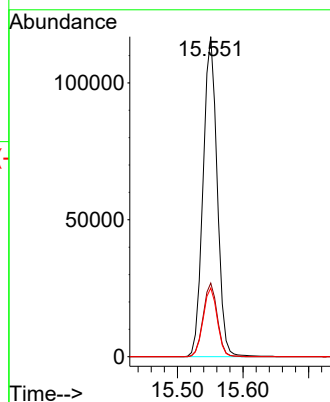


#86
Perylene-d12
Concen: 20.000 ng
RT: 15.551 min Scan# 21
Delta R.T. 0.006 min
Lab File: BF142795.D
Acq: 19 Jun 2025 20:40

Instrument :
BNA_F
ClientSampleId :
SSTDICC080

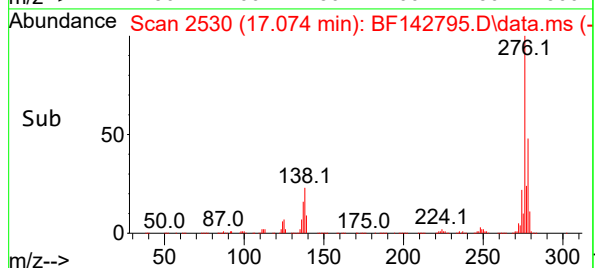
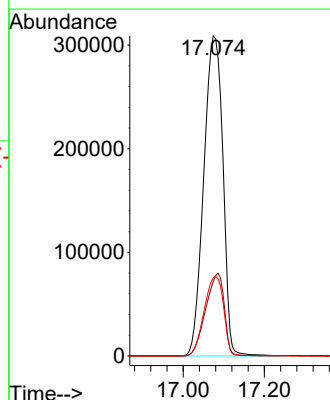
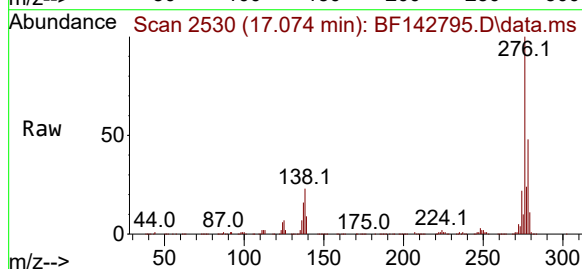


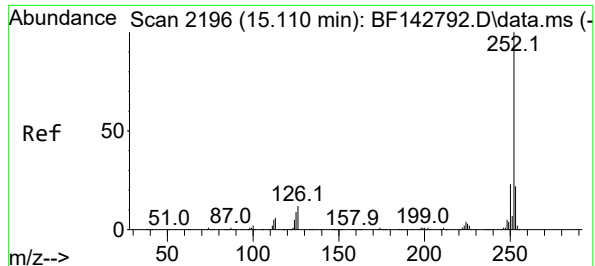
Tgt Ion:264 Resp: 175125
Ion Ratio Lower Upper
264 100
260 23.0 18.1 27.1
265 21.5 16.6 25.0



#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# 2196

Delta R.T. 0.006 min

Lab File: BF142795.D

Acq: 19 Jun 2025 20:40

Instrument :

BNA_F

ClientSampleId :

SSTDICC080

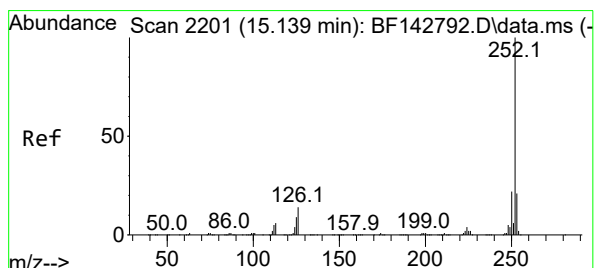
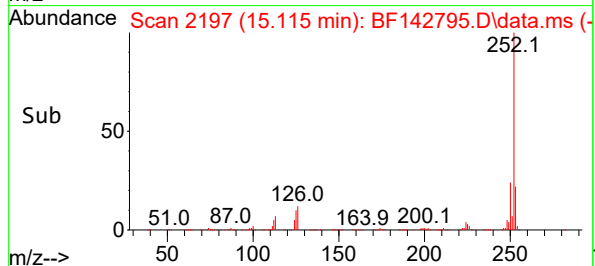
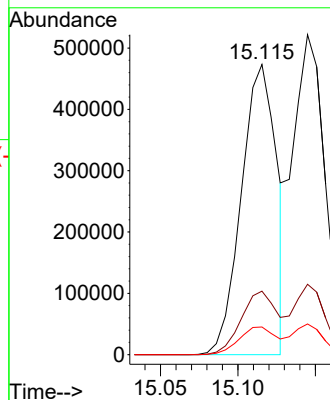
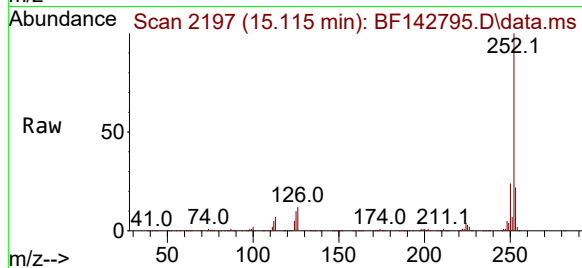
Tgt Ion:252 Resp: 749341

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

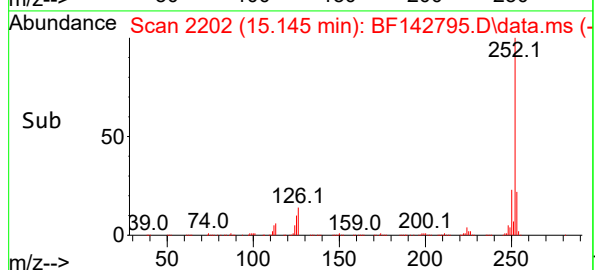
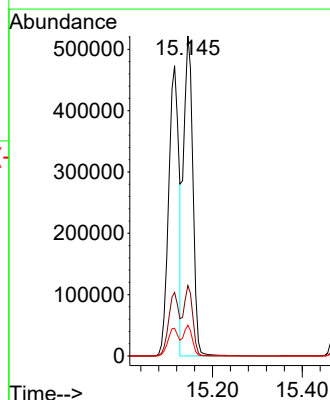
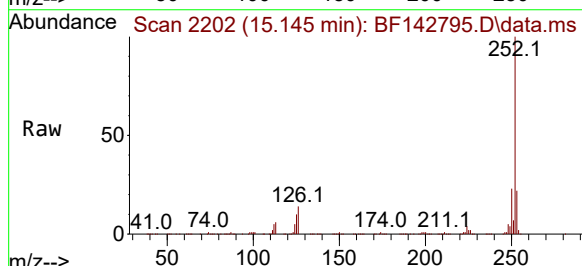
Tgt Ion:252 Resp: 747789

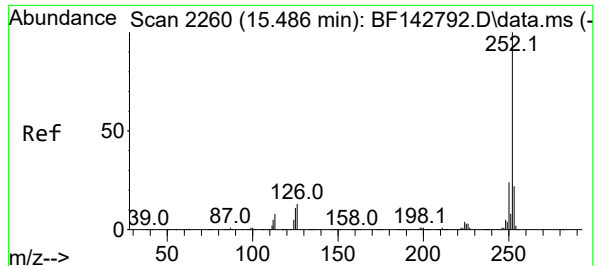
Ion Ratio Lower Upper

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

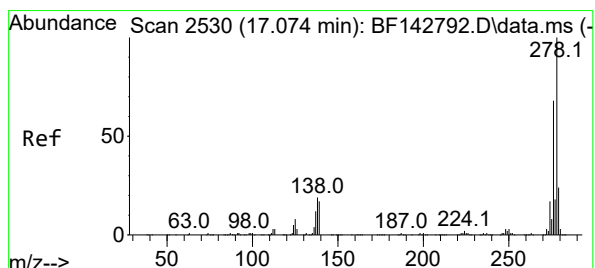
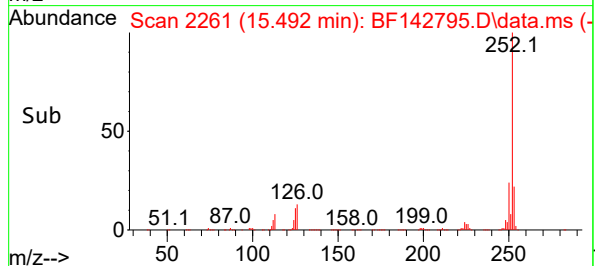
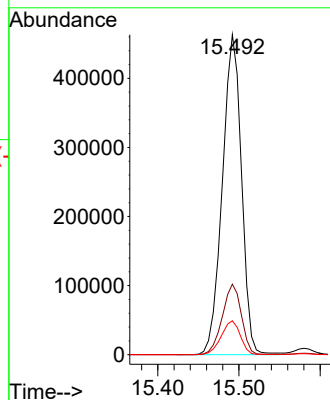
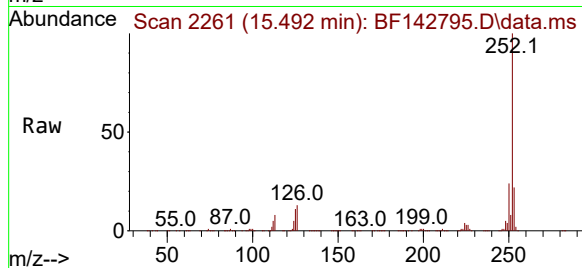
Tgt Ion:252 Resp: 759483

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

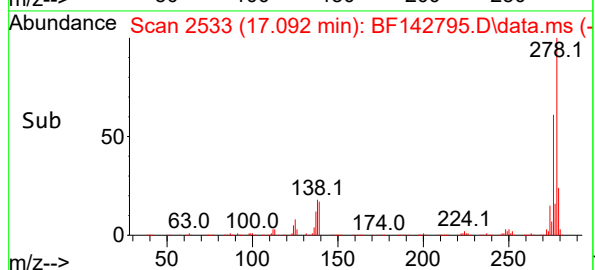
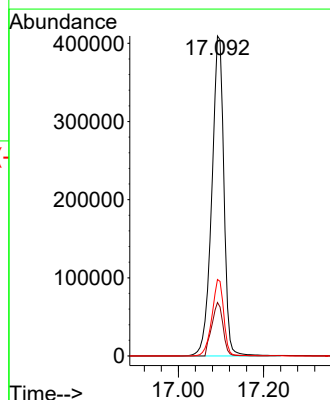
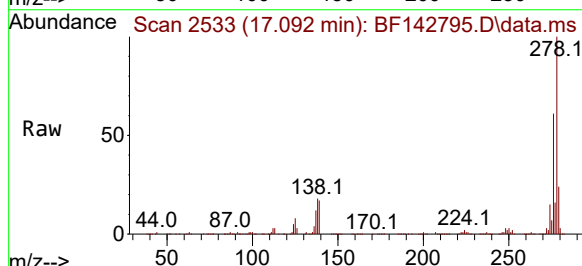
Tgt Ion:278 Resp: 806991

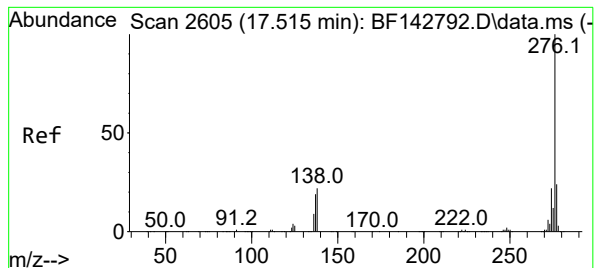
Ion Ratio Lower Upper

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

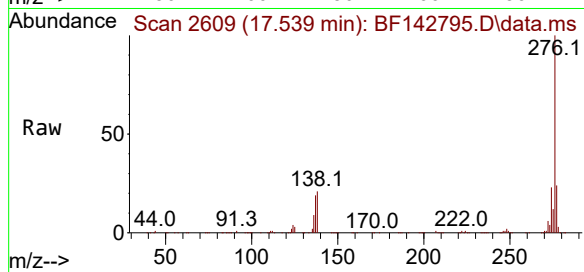
Acq: 19 Jun 2025 20:40

Instrument :

BNA_F

ClientSampleId :

SSTDICC080



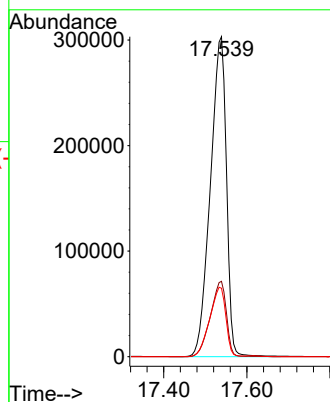
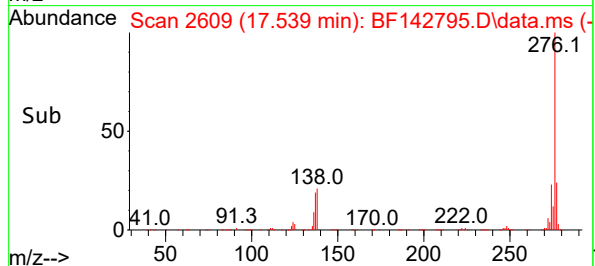
Tgt Ion:276 Resp: 813177

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

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 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

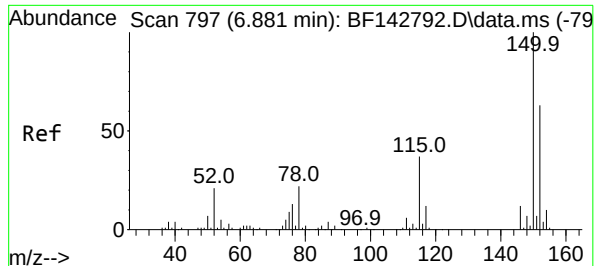
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 QLast Update : Tue Jun 24 05:28:21 2025
 Response via : Initial Calibration

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

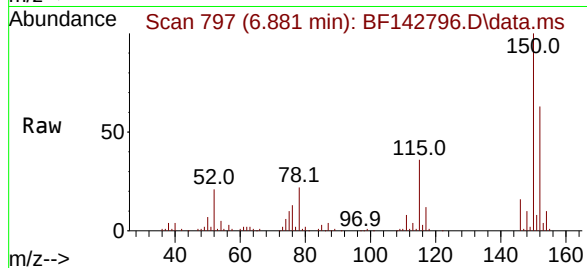
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ClientSampleId :
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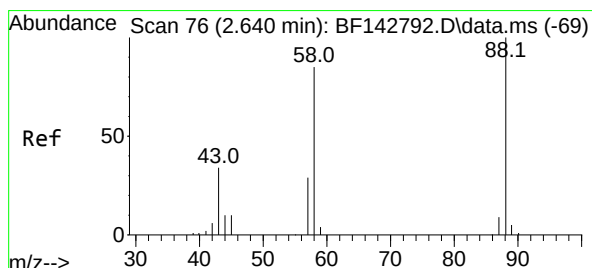
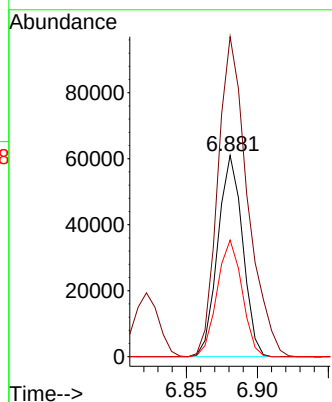
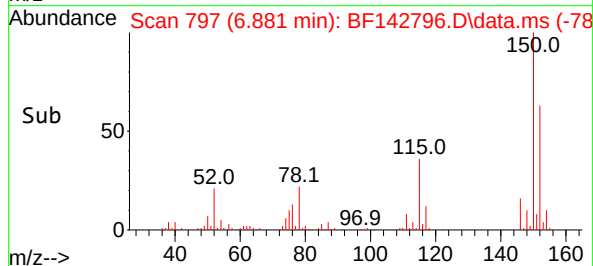


#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.881 min Scan# 79
Delta R.T. -0.000 min
Lab File: BF142796.D
Acq: 19 Jun 2025 21:10

Instrument :
BNA_F
ClientSampleId :
ICVBF061925

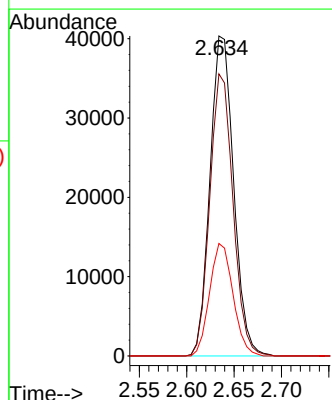
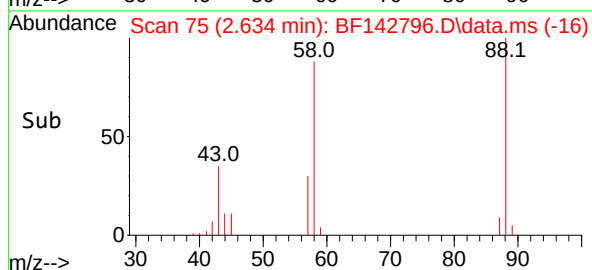
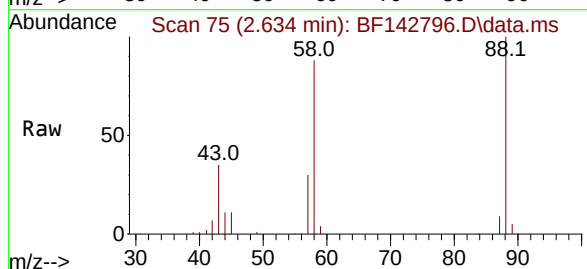


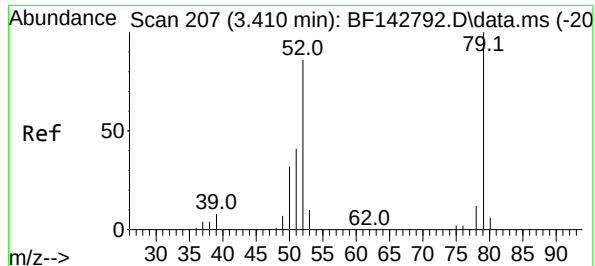
Tgt Ion:152 Resp: 74183
Ion Ratio Lower Upper
152 100
150 159.0 127.2 190.8
115 57.9 46.6 69.8



#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

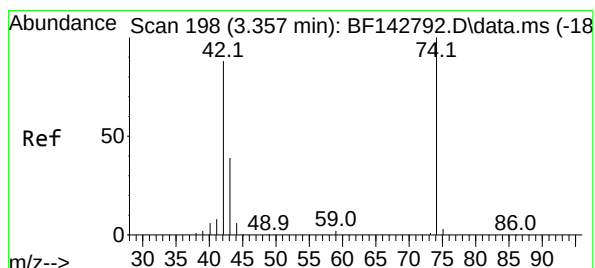
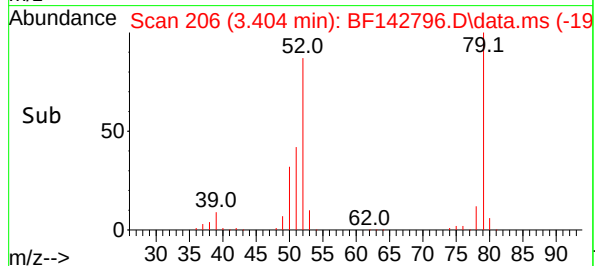
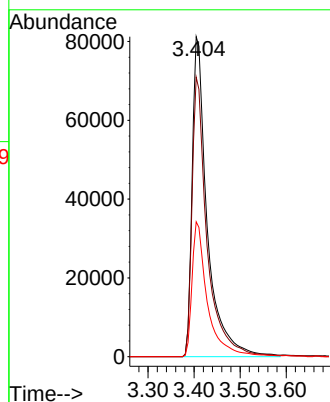
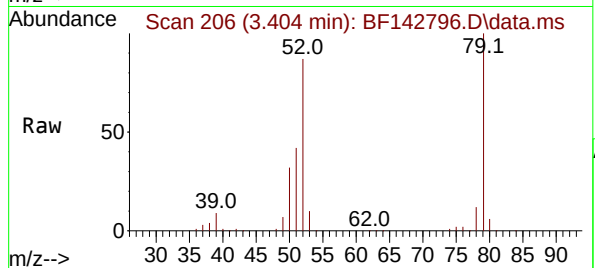




#3
Pyridine
Concen: 41.446 ng
RT: 3.404 min Scan# 207
Delta R.T. -0.006 min
Lab File: BF142796.D
Acq: 19 Jun 2025 21:10

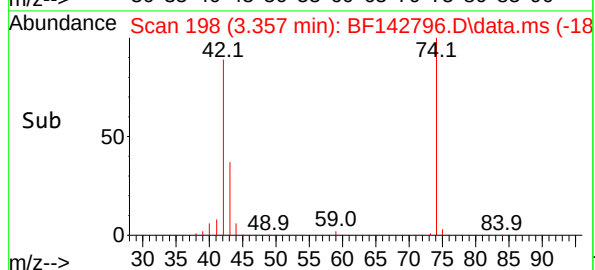
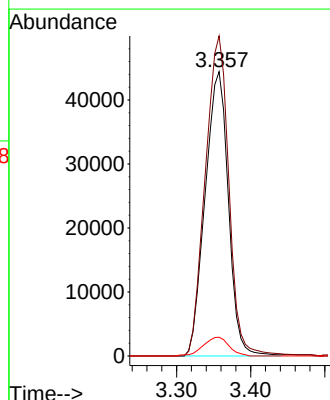
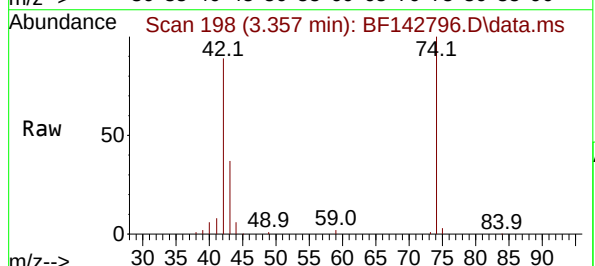
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BNA_F
ClientSampleId :
ICVBF061925

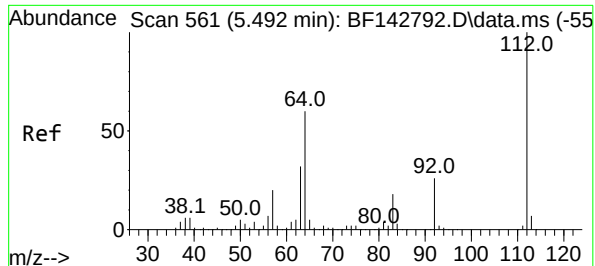
Tgt Ion: 79 Resp: 185173
Ion Ratio Lower Upper
79 100
52 87.4 69.2 103.8
51 42.1 33.2 49.8



#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

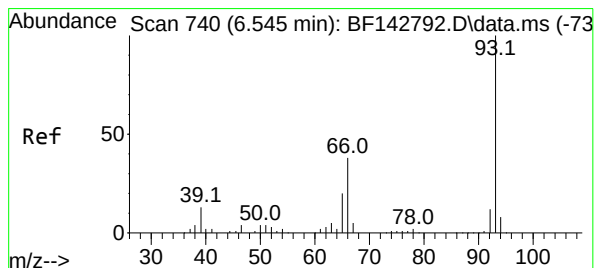
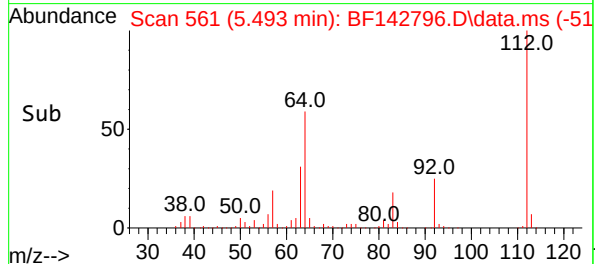
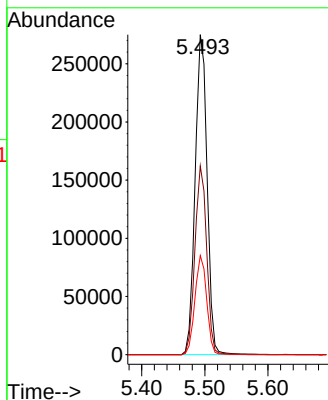
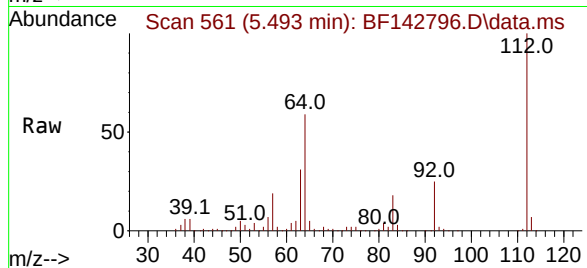




#5
2-Fluorophenol
Concen: 81.192 ng
RT: 5.493 min Scan# 501
Delta R.T. 0.001 min
Lab File: BF142796.D
Acq: 19 Jun 2025 21:10

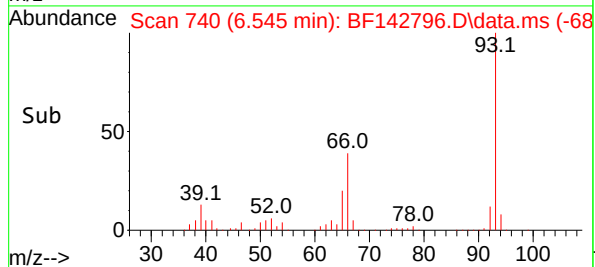
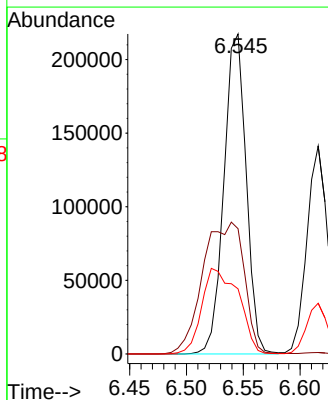
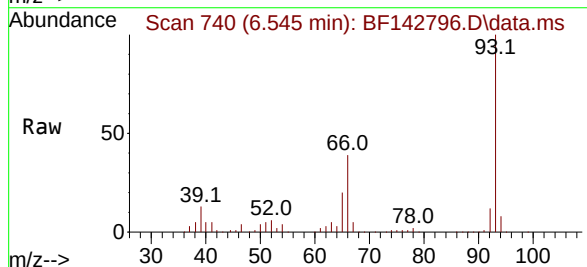
Instrument :
BNA_F
ClientSampleId :
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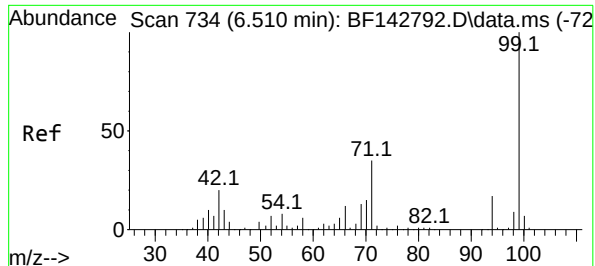
Tgt Ion:112 Resp: 361762
Ion Ratio Lower Upper
112 100
64 59.0 48.2 72.2
63 31.0 25.7 38.5



#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

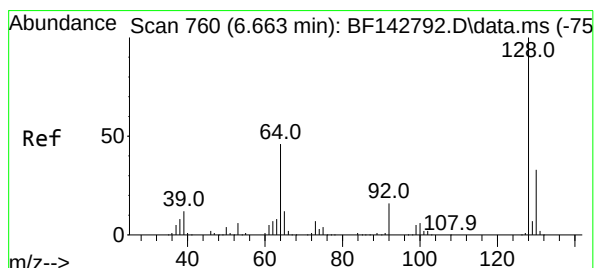
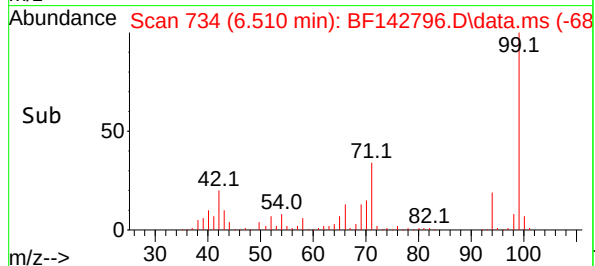
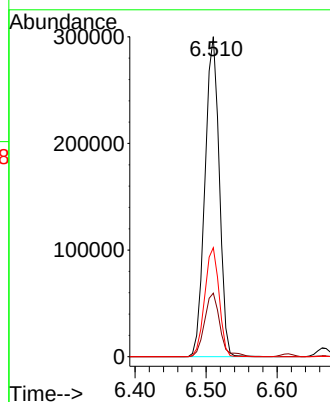
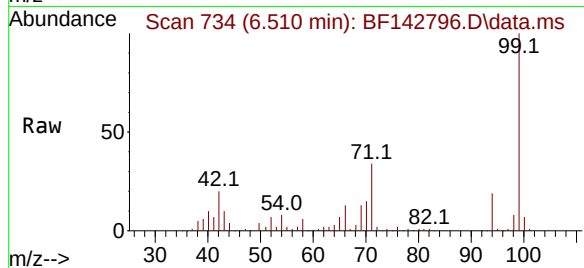
Tgt Ion: 99 Resp: 421918

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

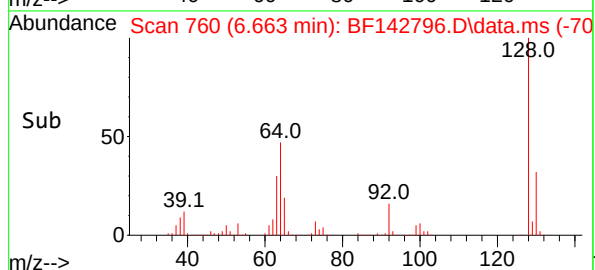
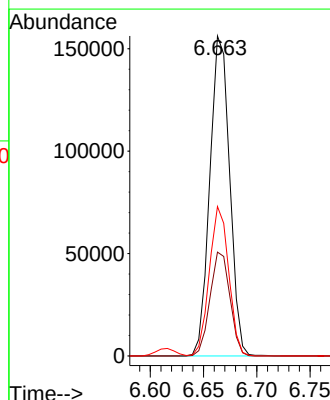
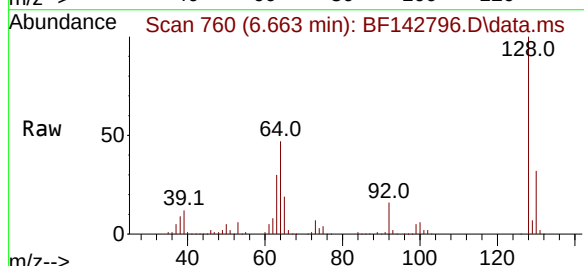
Tgt Ion:128 Resp: 202041

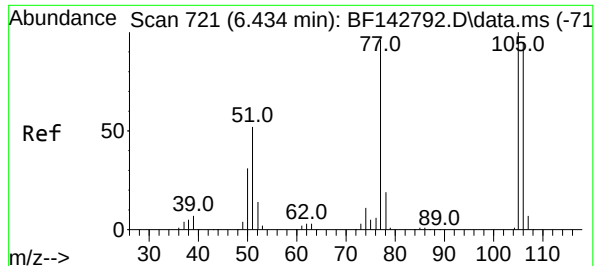
Ion Ratio Lower Upper

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

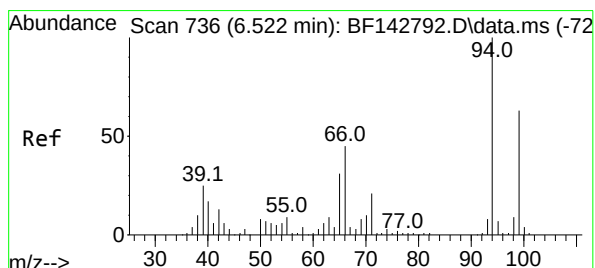
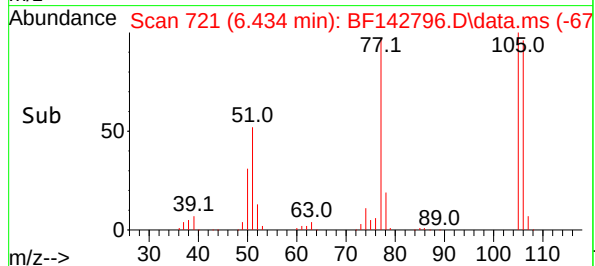
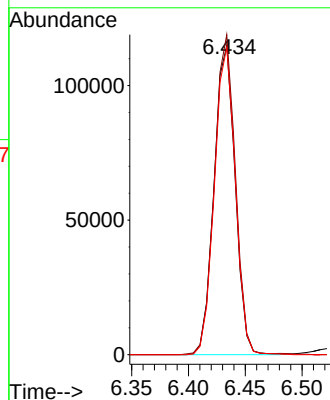
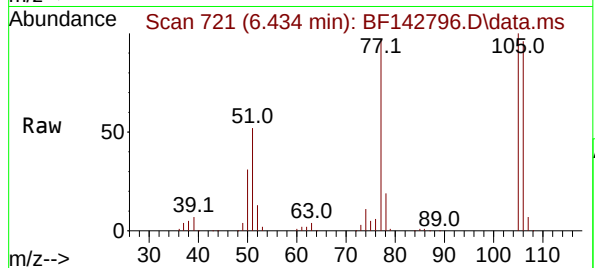
Tgt Ion: 77 Resp: 148174

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

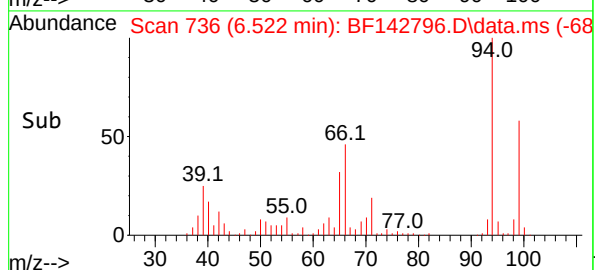
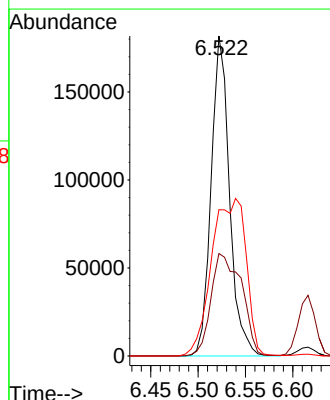
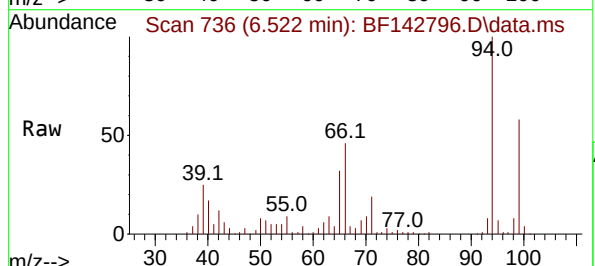
Tgt Ion: 94 Resp: 244839

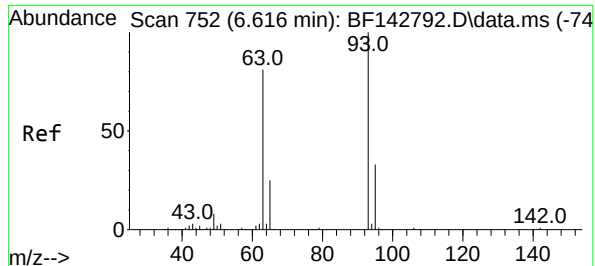
Ion Ratio Lower Upper

94 100

65 32.0 11.3 51.3

66 45.7 24.9 64.9

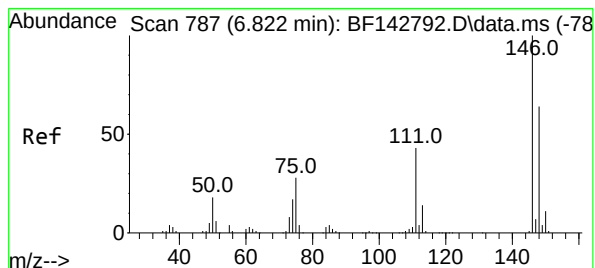
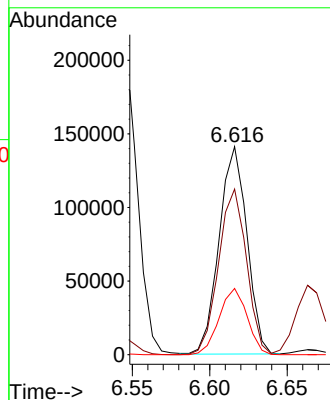
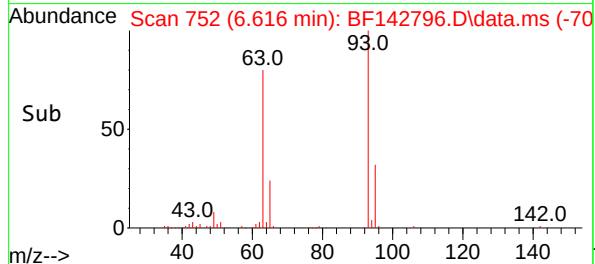
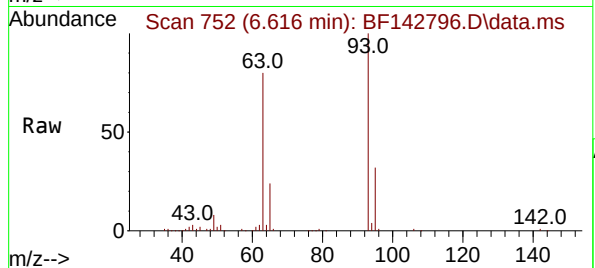




#11
bis(2-Chloroethyl)ether
Concen: 42.157 ng
RT: 6.616 min Scan# 752
Delta R.T. 0.000 min
Lab File: BF142796.D
Acq: 19 Jun 2025 21:10

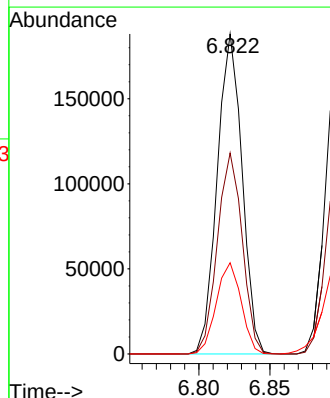
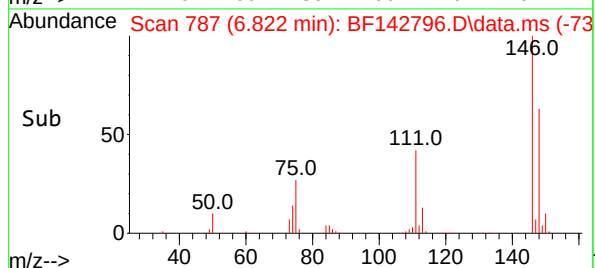
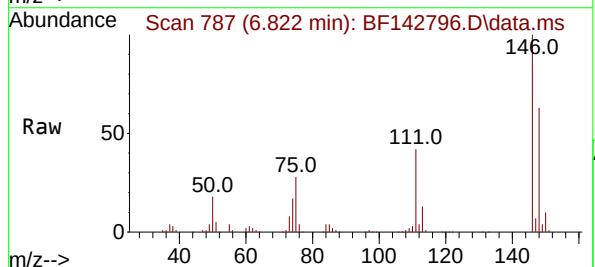
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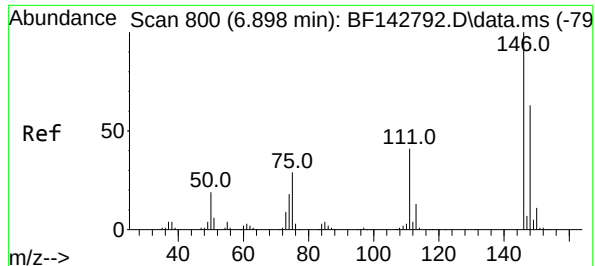
Tgt Ion: 93 Resp: 176058
Ion Ratio Lower Upper
93 100
63 79.6 60.3 100.3
95 31.9 12.5 52.5



#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

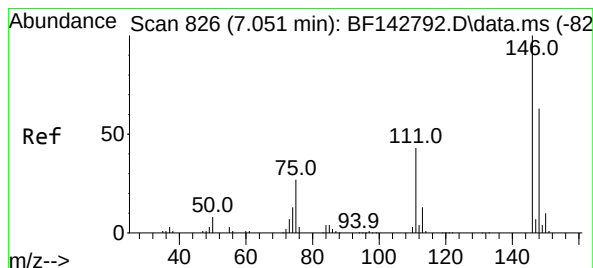
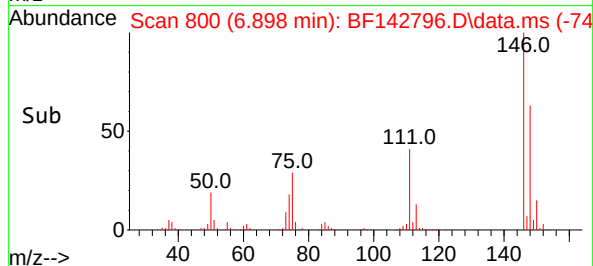
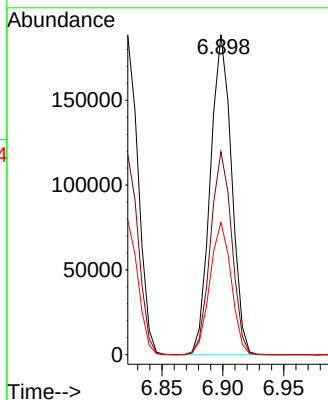
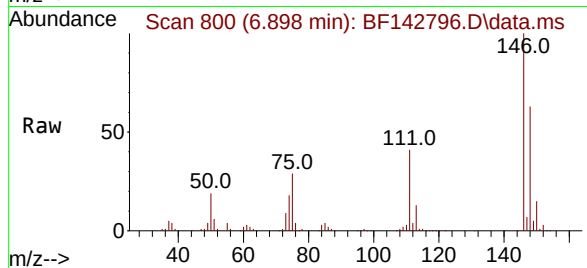
Tgt Ion:146 Resp: 229234

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

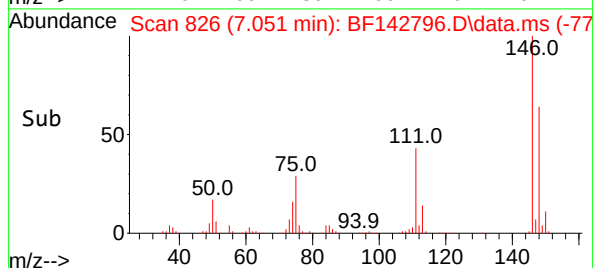
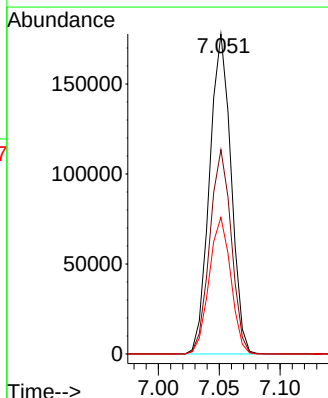
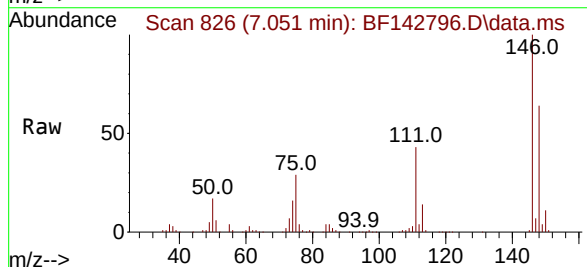
Tgt Ion:146 Resp: 218720

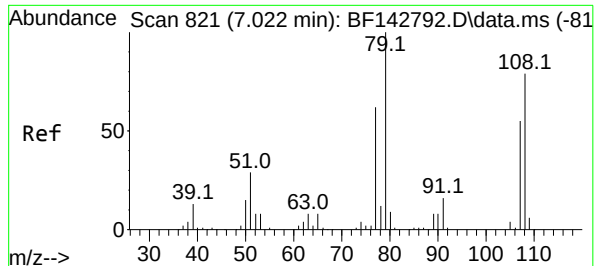
Ion Ratio Lower Upper

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

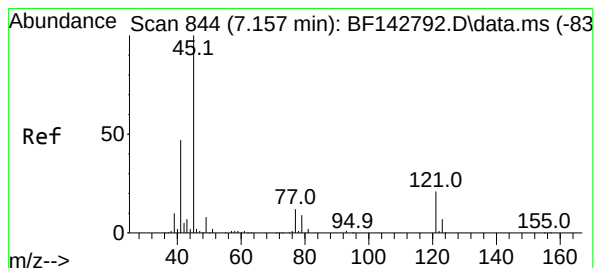
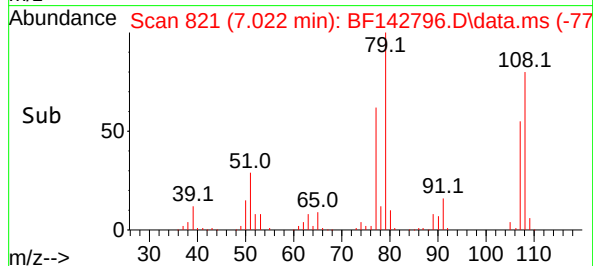
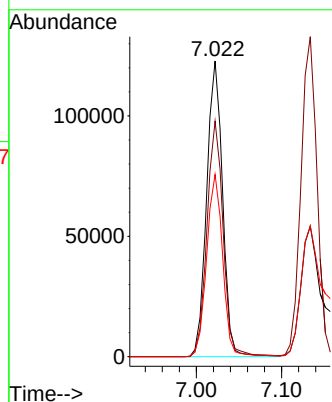
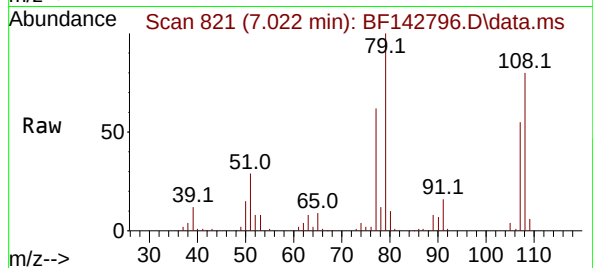
Tgt Ion: 79 Resp: 160044

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

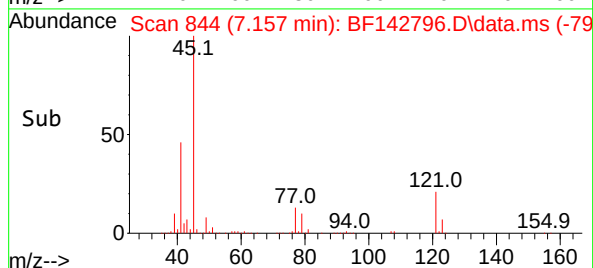
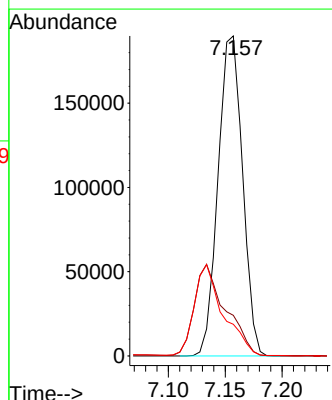
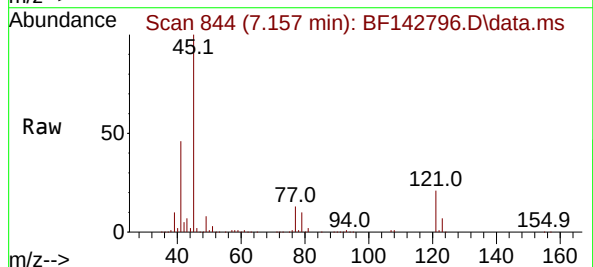
Tgt Ion: 45 Resp: 284352

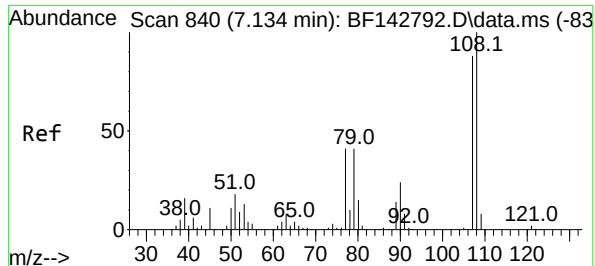
Ion Ratio Lower Upper

45 100

77 12.7 0.0 32.8

79 9.9 0.0 29.8

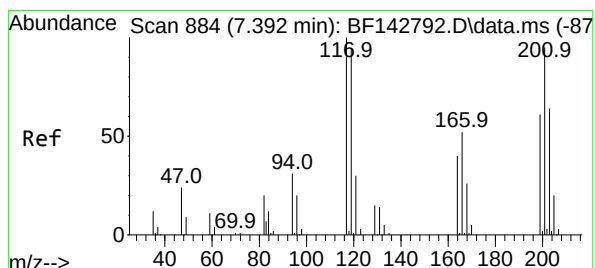
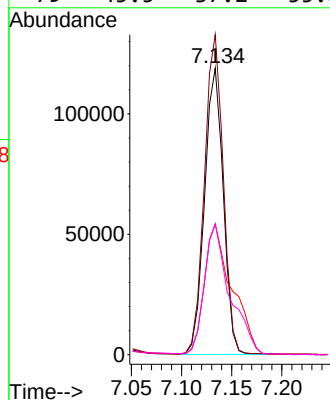
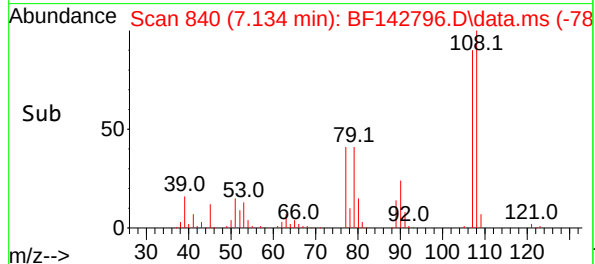
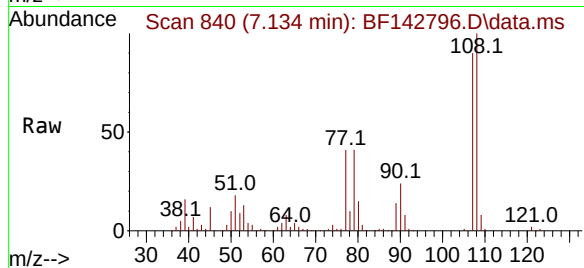




#17
2-Methylphenol
Concen: 42.485 ng
RT: 7.134 min Scan# 840
Delta R.T. 0.000 min
Lab File: BF142796.D
Acq: 19 Jun 2025 21:10

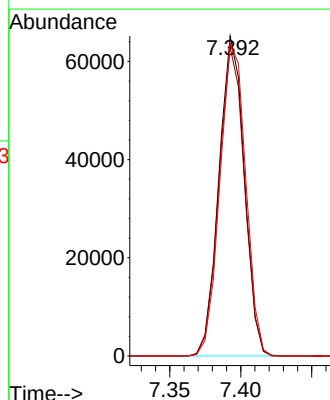
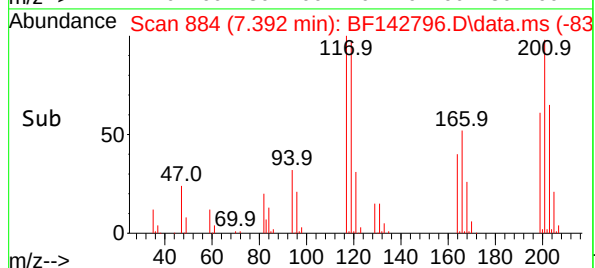
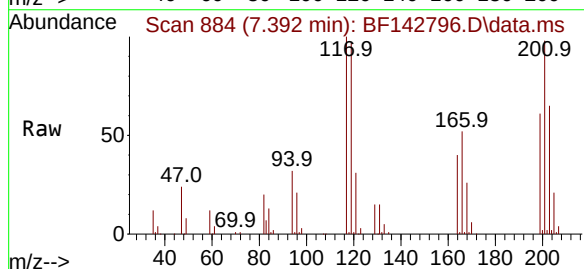
Instrument :
BNA_F
ClientSampleId :
ICVBF061925

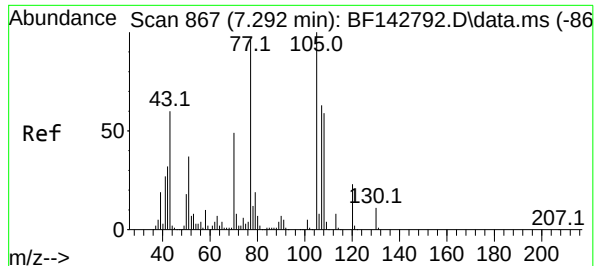
Tgt Ion:107 Resp: 154746
Ion Ratio Lower Upper
107 100
108 111.6 90.9 136.3
77 45.7 37.3 55.9
79 45.5 37.2 55.8



#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:117 Resp: 80788
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

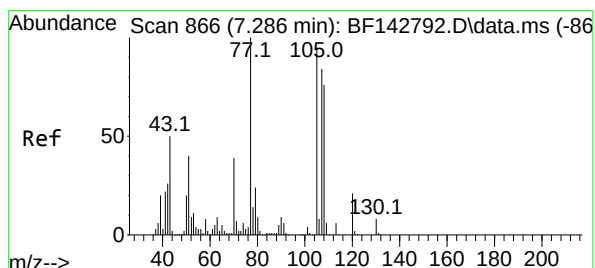
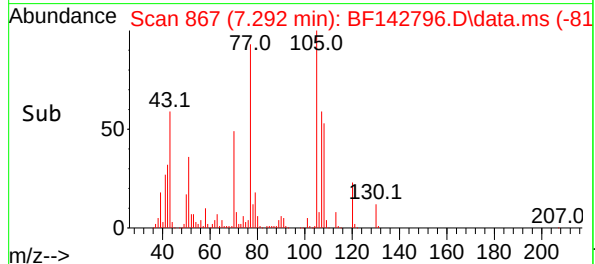
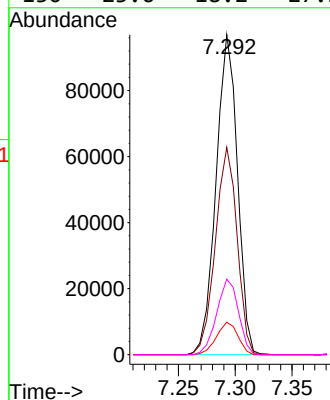
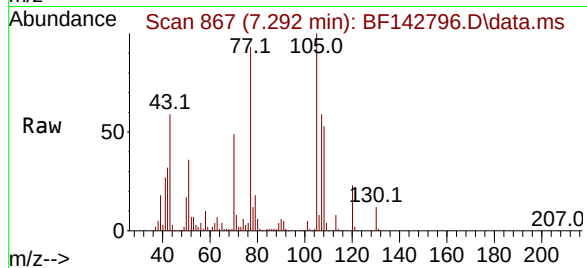
Ion Ratio Lower Upper

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

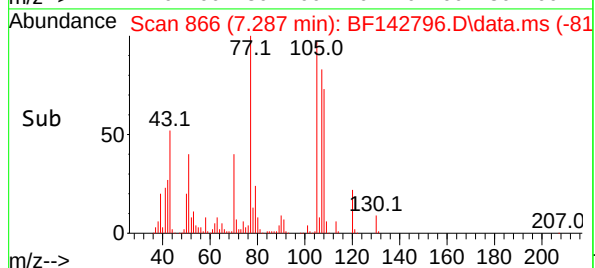
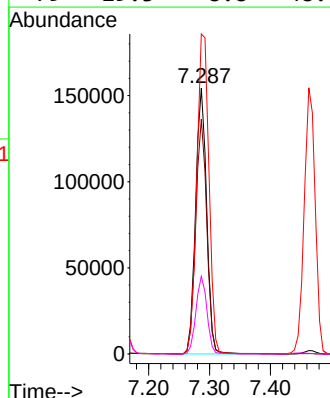
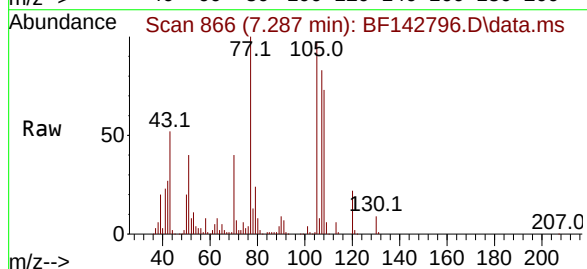
Ion Ratio Lower Upper

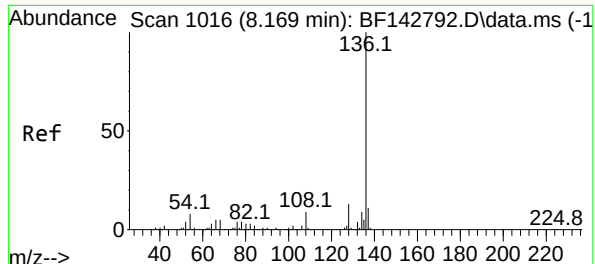
107 100

108 88.3 70.0 110.0

77 120.4 98.5 138.5

79 29.3 8.8 48.8

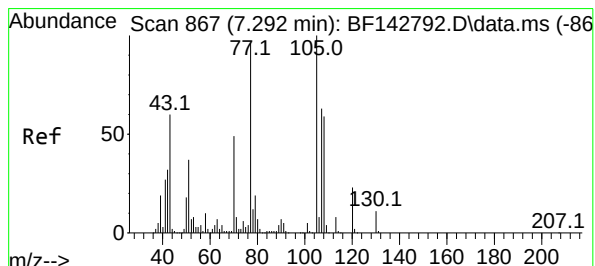
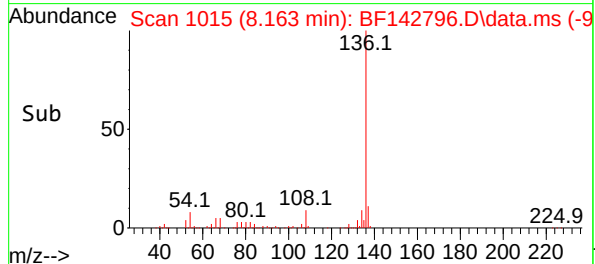
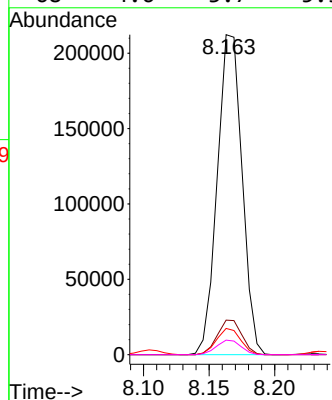
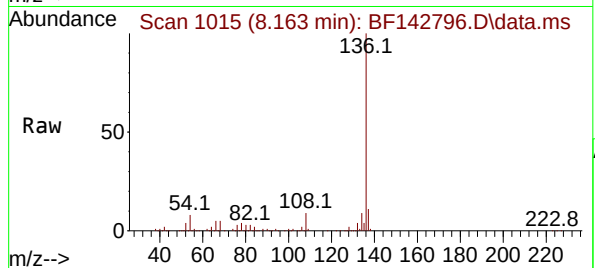




#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.163 min Scan# 1015
Delta R.T. -0.006 min
Lab File: BF142796.D
Acq: 19 Jun 2025 21:10

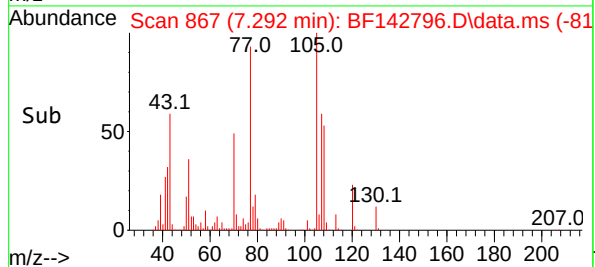
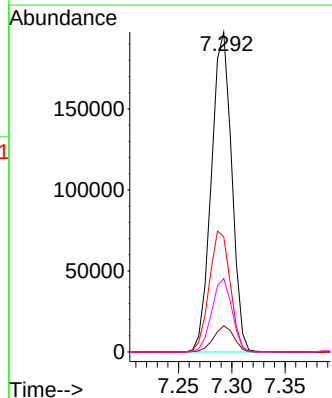
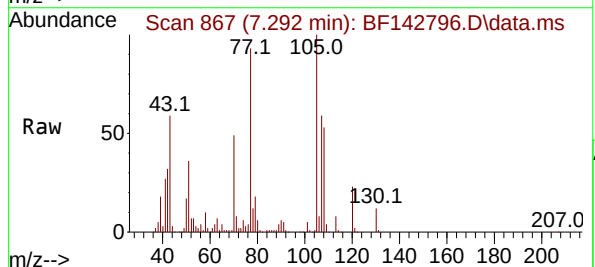
Instrument :
BNA_F
ClientSampleId :
ICVBF061925

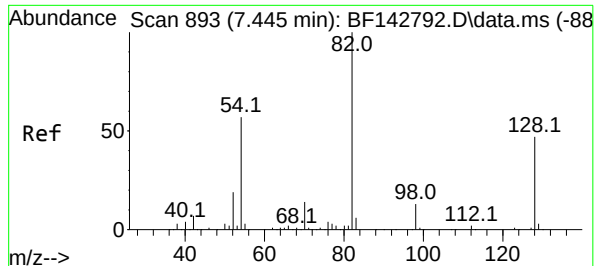
Tgt Ion:136 Resp: 279139
Ion Ratio Lower Upper
136 100
137 10.8 8.4 12.6
54 8.2 6.3 9.5
68 4.6 3.7 5.5



#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

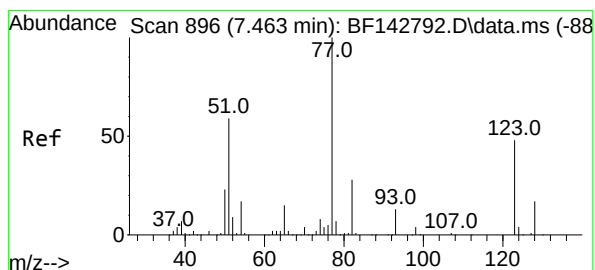
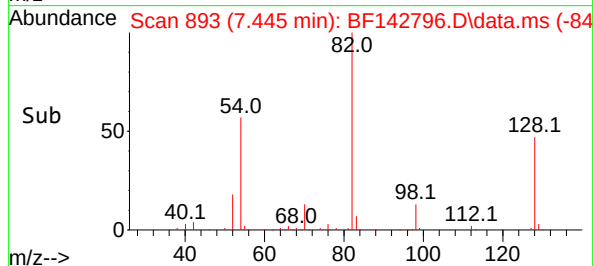
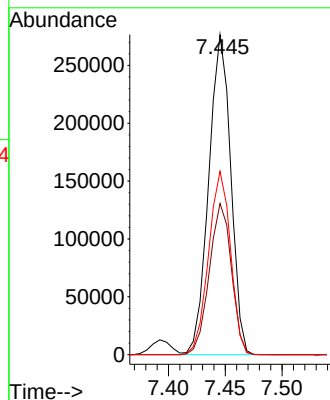
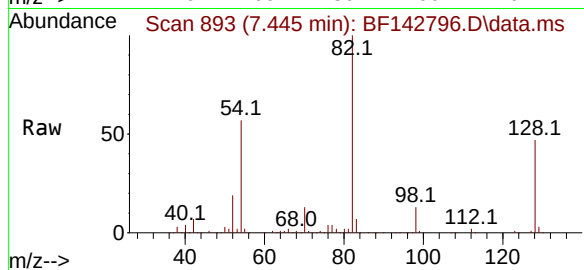
Tgt Ion: 82 Resp: 373199

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

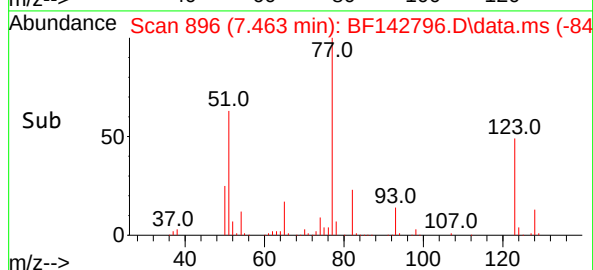
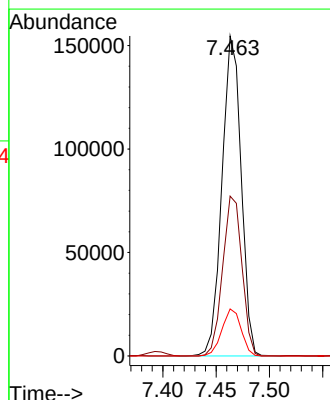
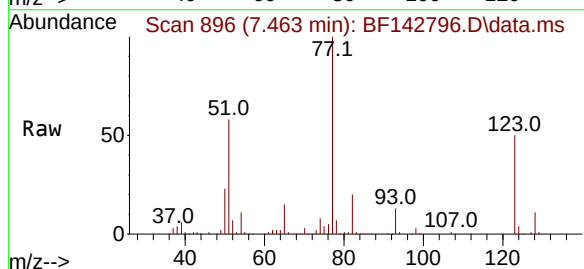
Tgt Ion: 77 Resp: 193310

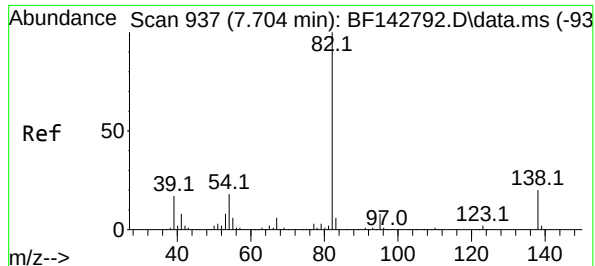
Ion Ratio Lower Upper

77 100

123 50.0 39.2 58.8

65 14.7 11.6 17.4

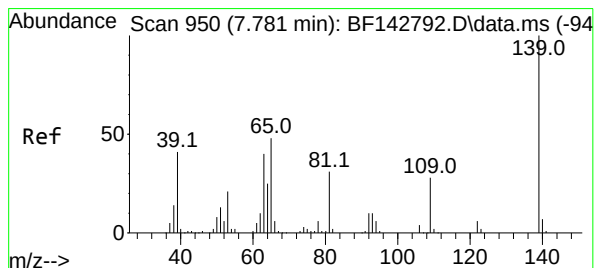
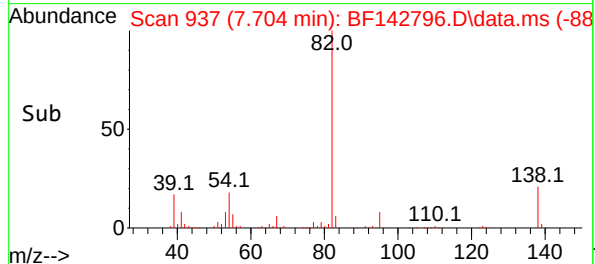
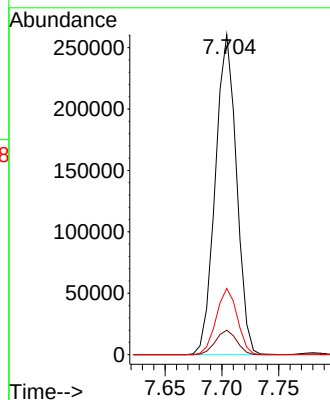
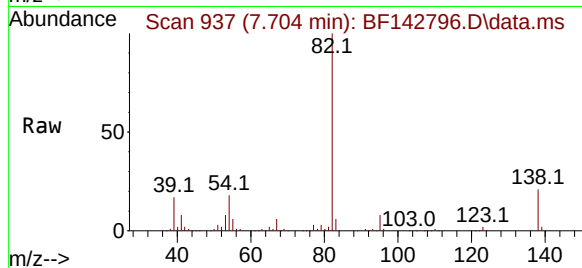




#25
Isophorone
Concen: 41.403 ng
RT: 7.704 min Scan# 91
Delta R.T. 0.000 min
Lab File: BF142796.D
Acq: 19 Jun 2025 21:10

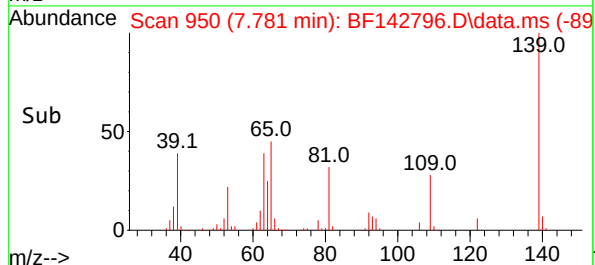
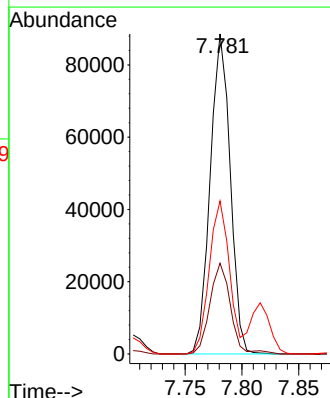
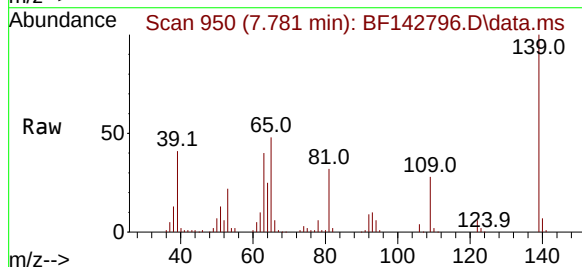
Instrument :
BNA_F
ClientSampleId :
ICVBF061925

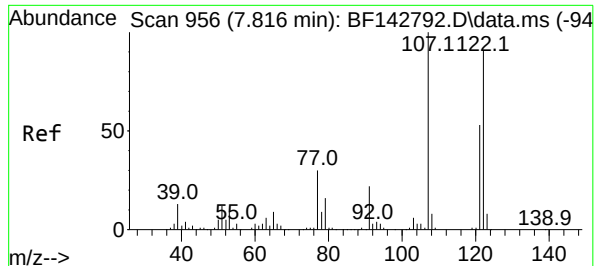
Tgt Ion:	82	Resp:	338001
Ion	Ratio	Lower	Upper
82	100		
95	7.7	6.2	9.2
138	20.7	16.2	24.4



#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

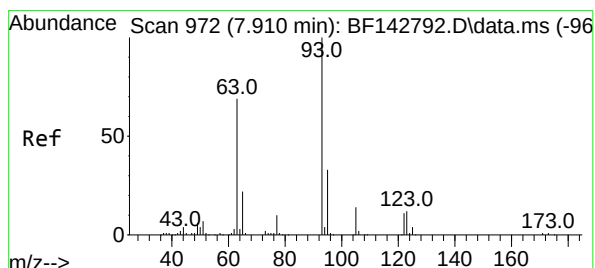
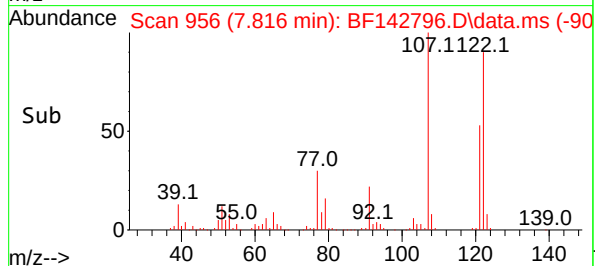
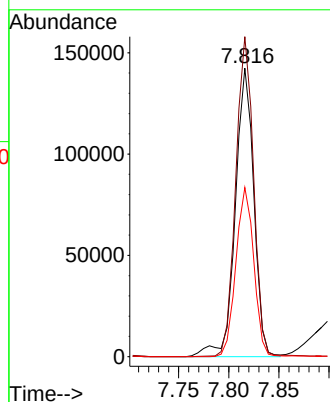
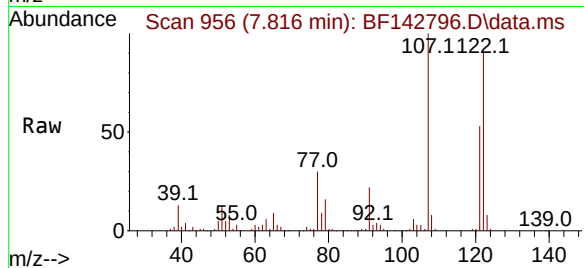
Tgt Ion:122 Resp: 183273

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

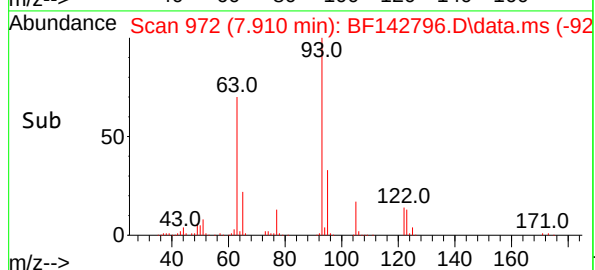
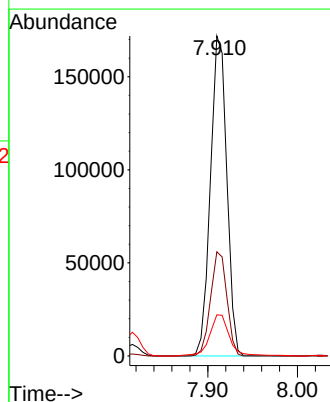
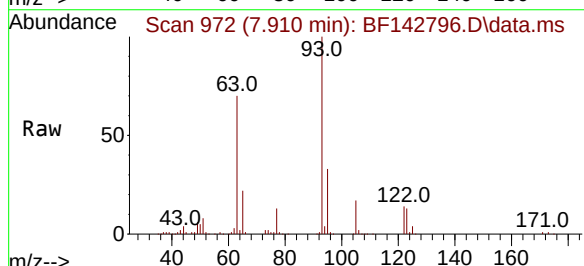
Tgt Ion: 93 Resp: 217774

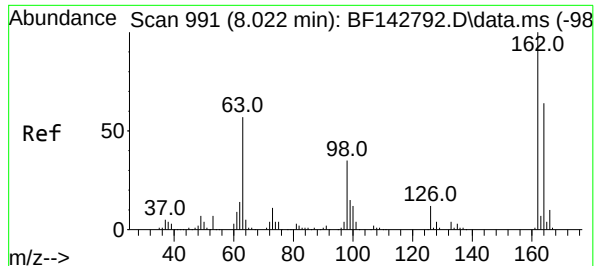
Ion Ratio Lower Upper

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

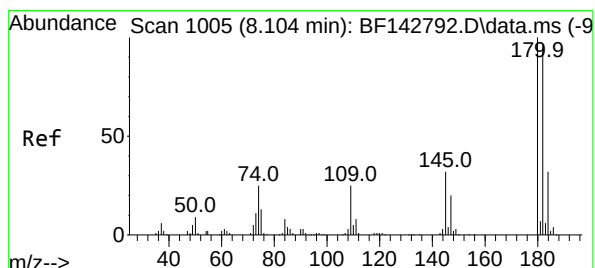
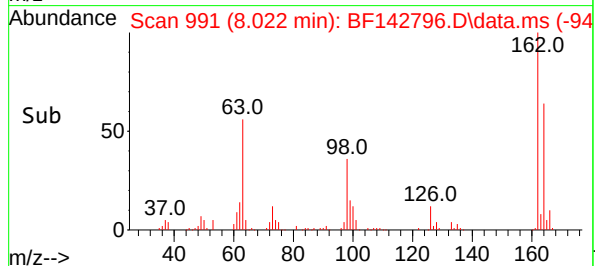
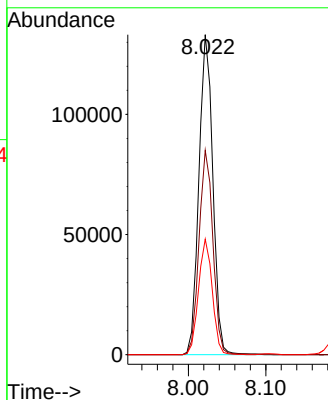
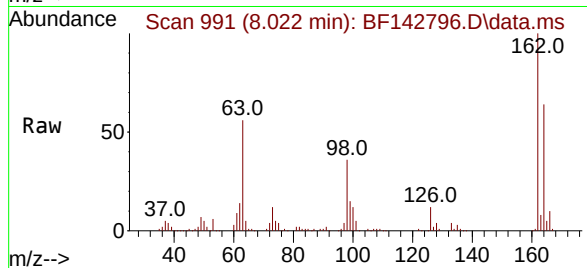
Tgt Ion:162 Resp: 166286

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

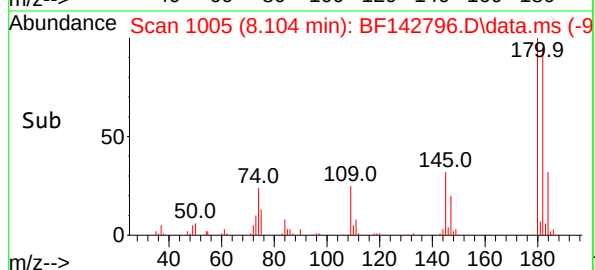
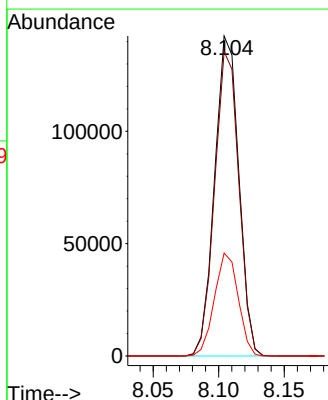
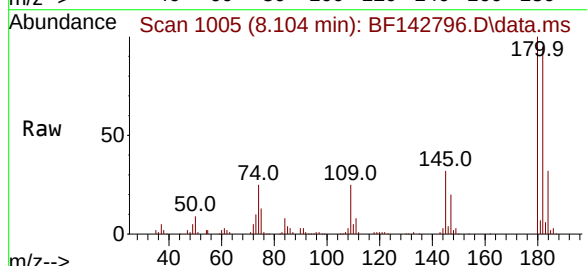
Tgt Ion:180 Resp: 182768

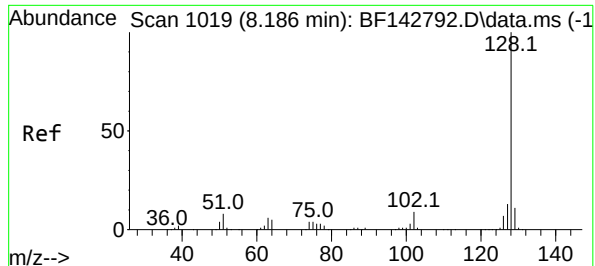
Ion Ratio Lower Upper

180 100

182 95.1 76.4 114.6

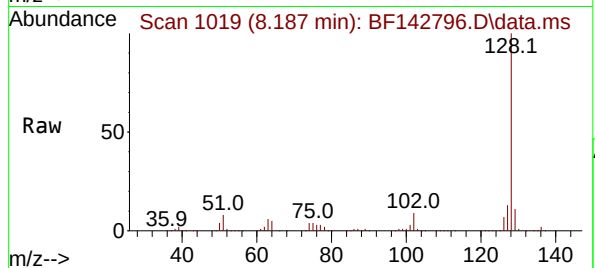
145 32.1 25.8 38.8



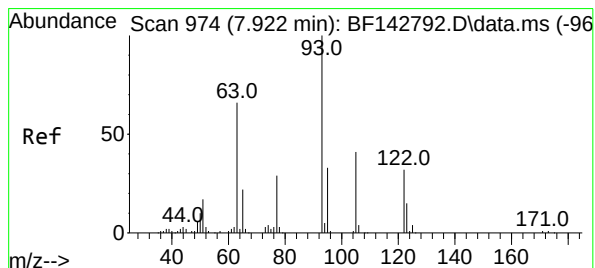
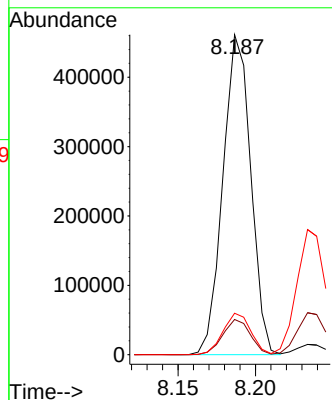
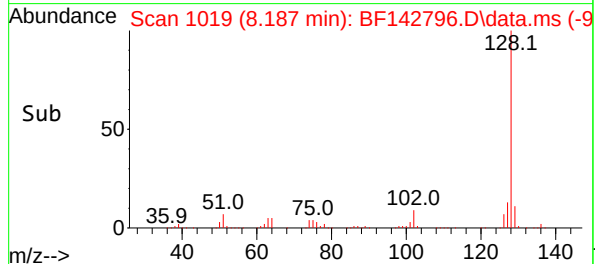


#31
Naphthalene
Concen: 42.218 ng
RT: 8.187 min Scan# 1019
Delta R.T. 0.000 min
Lab File: BF142796.D
Acq: 19 Jun 2025 21:10

Instrument :
BNA_F
ClientSampleId :
ICVBF061925

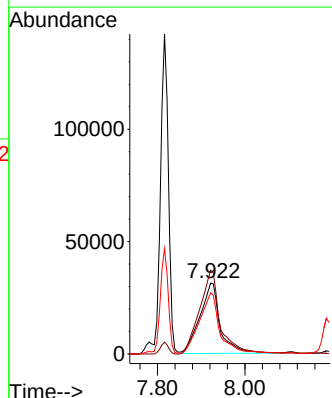
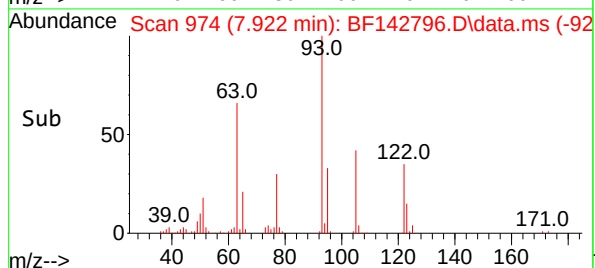
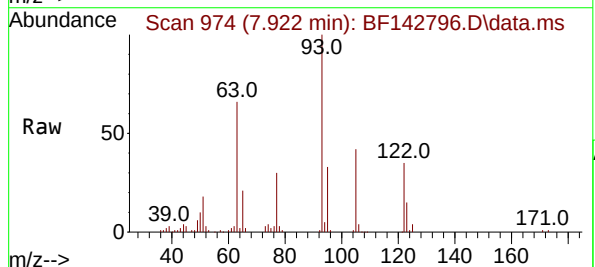


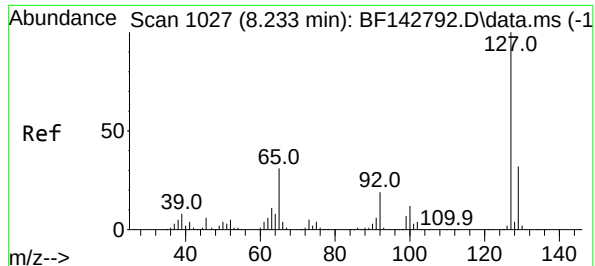
Tgt Ion:128 Resp: 576847
Ion Ratio Lower Upper
128 100
129 11.0 8.9 13.3
127 12.9 10.4 15.6



#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

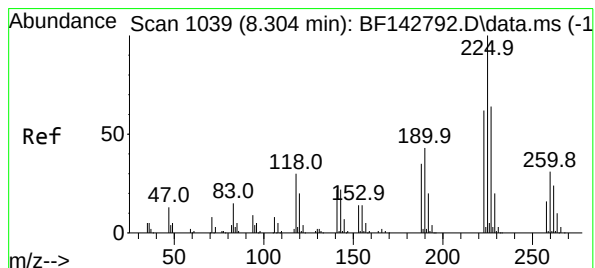
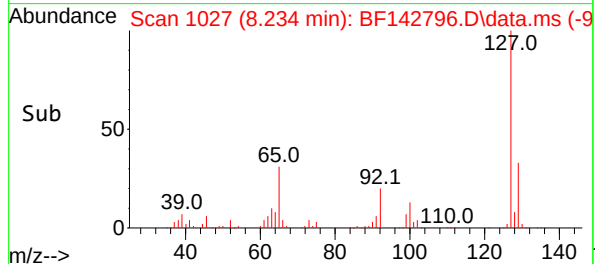
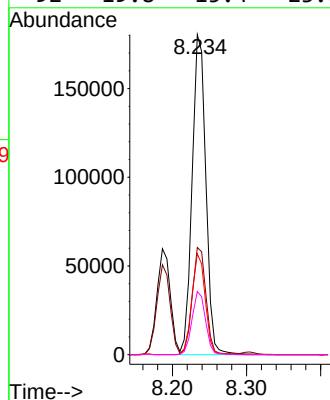
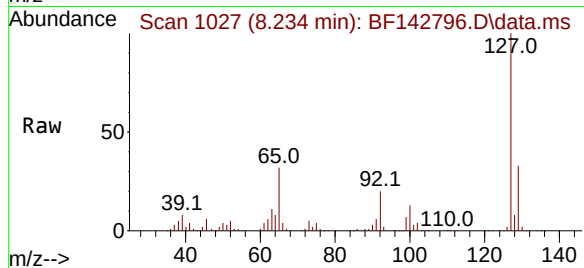
Ion Ratio Lower Upper

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

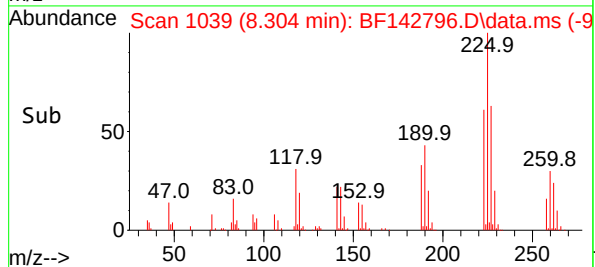
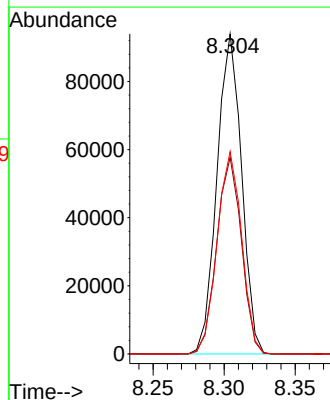
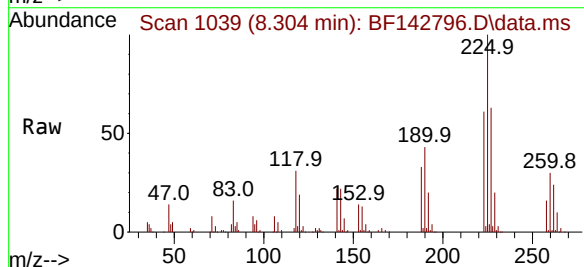
Tgt Ion:225 Resp: 113068

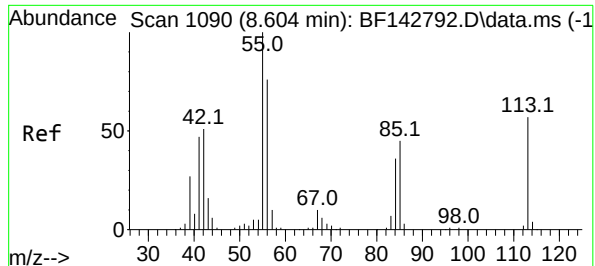
Ion Ratio Lower Upper

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

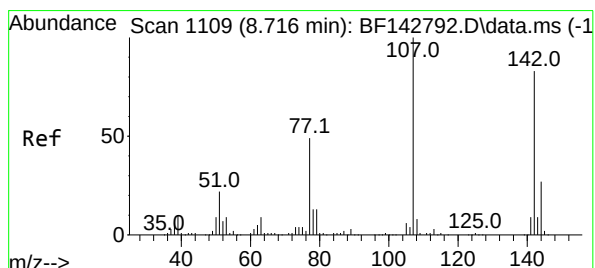
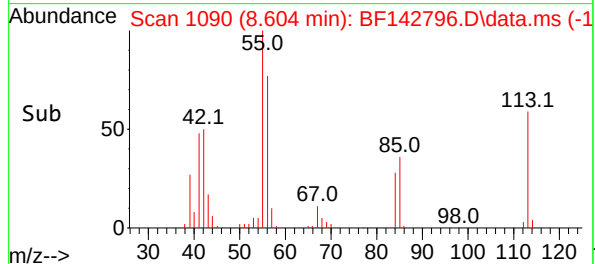
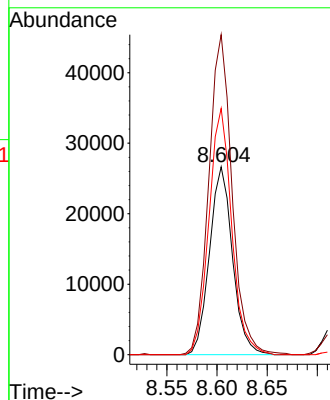
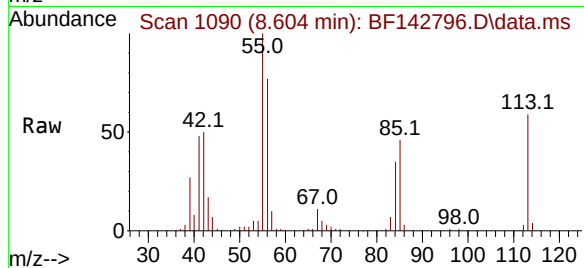
Tgt Ion:113 Resp: 42561

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

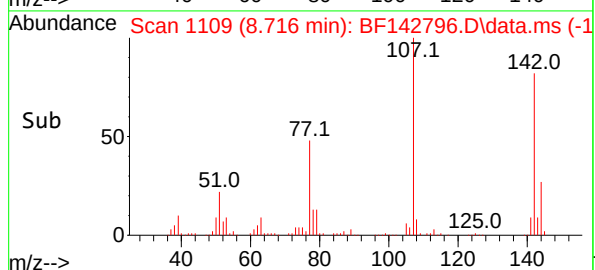
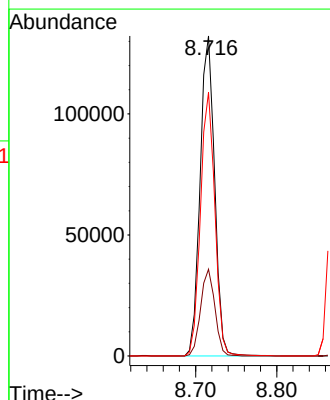
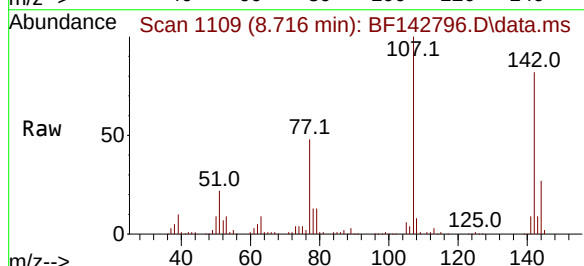
Tgt Ion:107 Resp: 164064

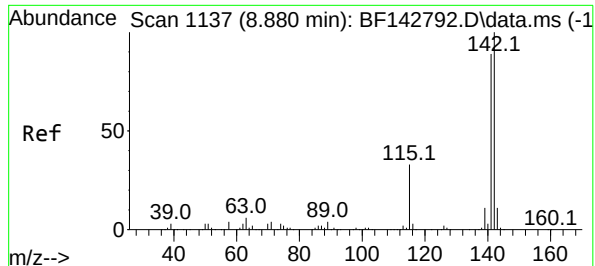
Ion Ratio Lower Upper

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 :

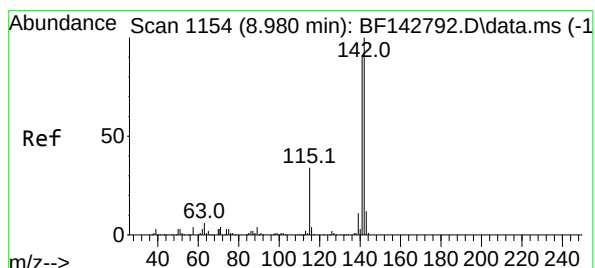
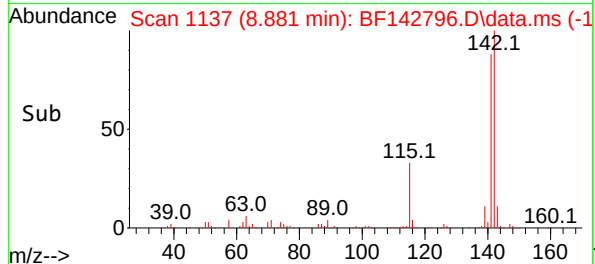
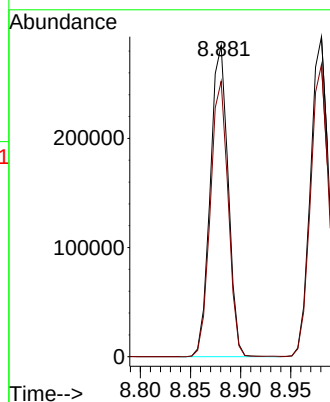
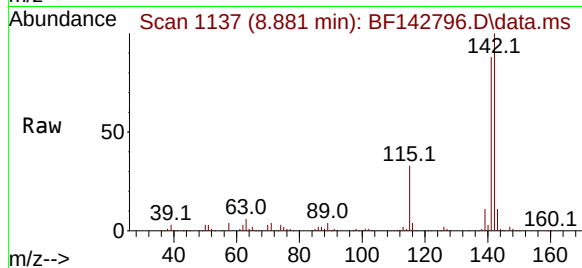
ICVBF061925

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

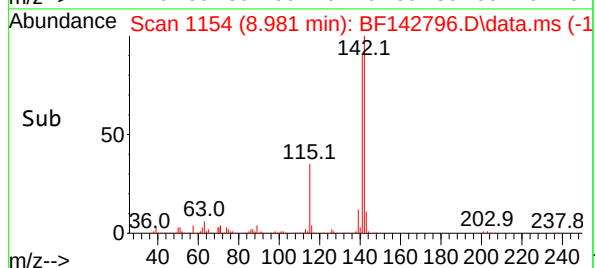
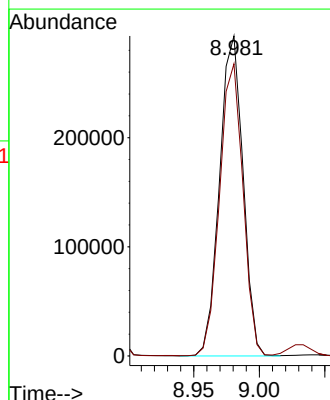
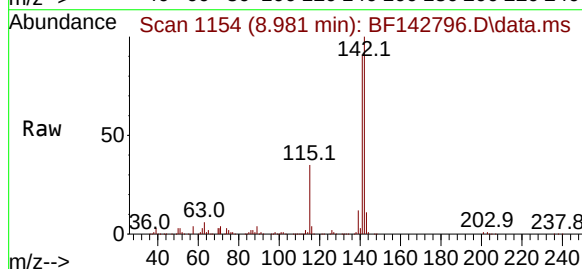
Acq: 19 Jun 2025 21:10

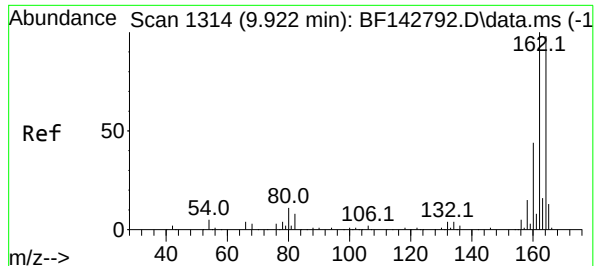
Tgt Ion:142 Resp: 364378

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

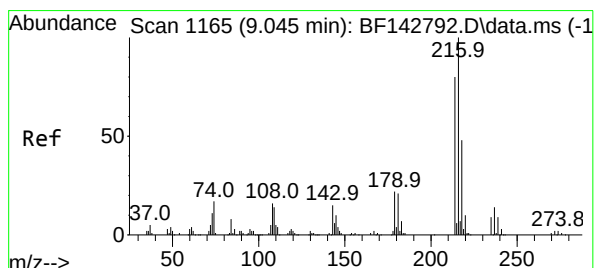
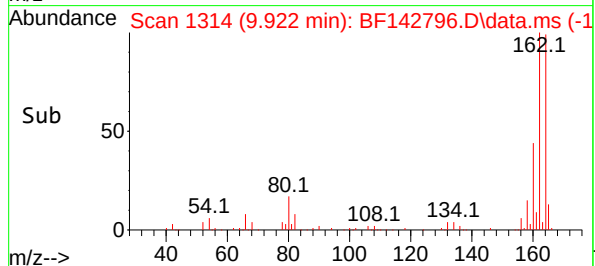
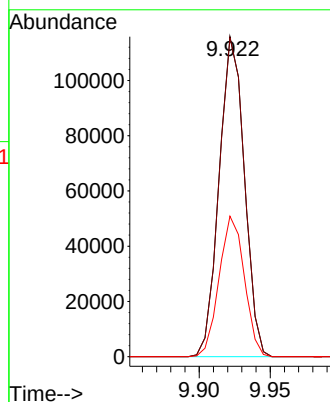
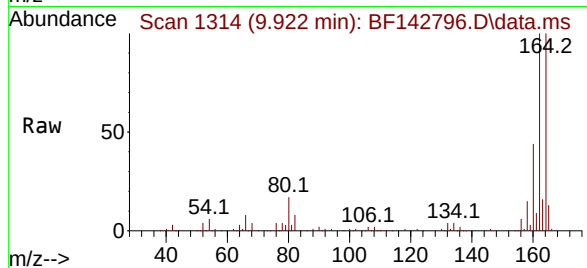
Tgt Ion:164 Resp: 142968

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

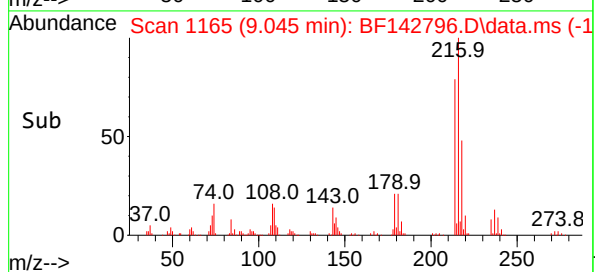
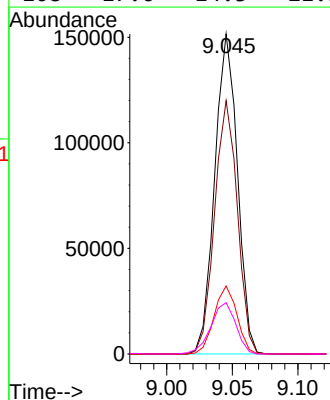
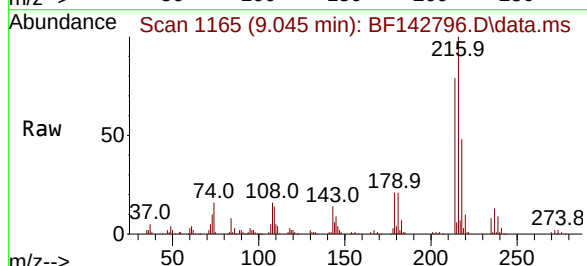
Ion Ratio Lower Upper

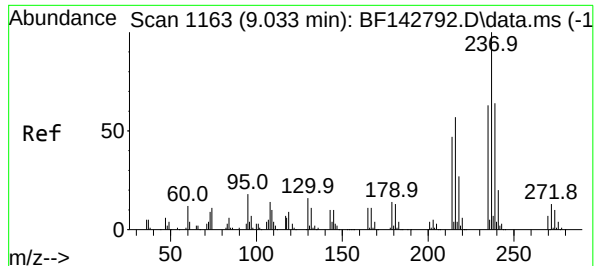
216 100

214 79.1 63.7 95.5

179 21.3 17.6 26.4

108 17.6 14.3 21.5

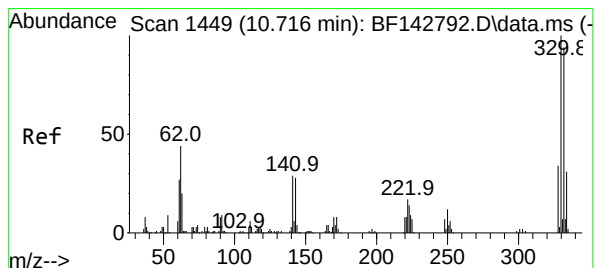
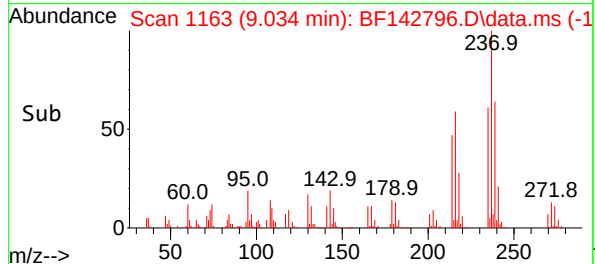
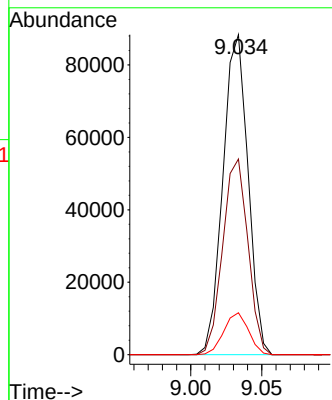
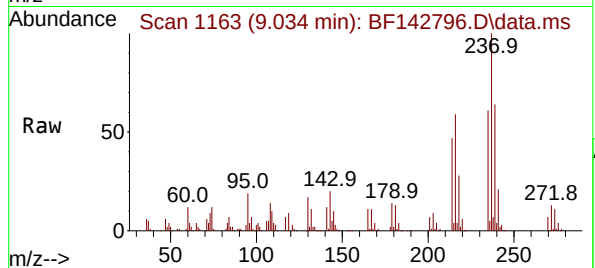




#41
Hexachlorocyclopentadiene
Concen: 45.361 ng
RT: 9.034 min Scan# 1163
Delta R.T. 0.000 min
Lab File: BF142796.D
Acq: 19 Jun 2025 21:10

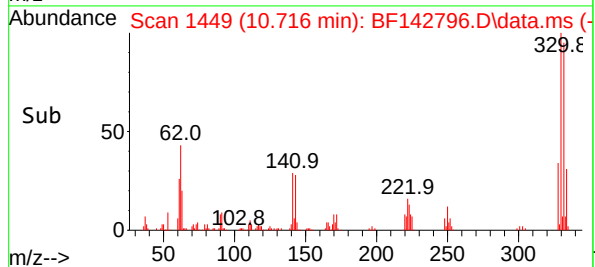
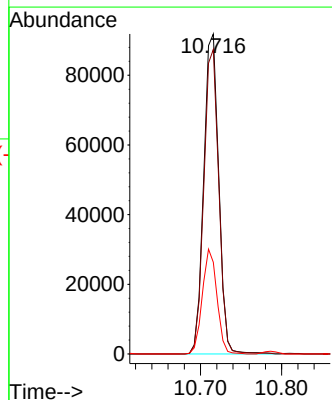
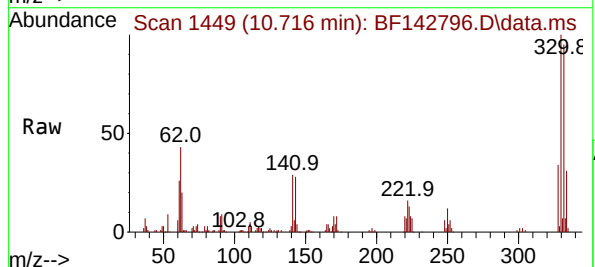
Instrument :
BNA_F
ClientSampleId :
ICVBF061925

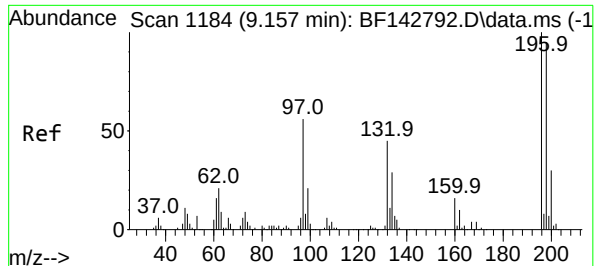
Tgt Ion:237 Resp: 108592
Ion Ratio Lower Upper
237 100
235 61.2 43.4 83.4
272 13.1 0.0 32.7



#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

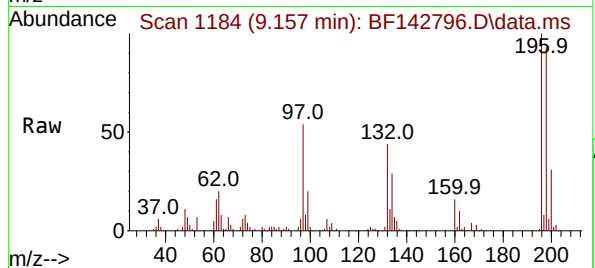
Acq: 19 Jun 2025 21:10

Instrument :

BNA_F

ClientSampleId :

ICVBF061925



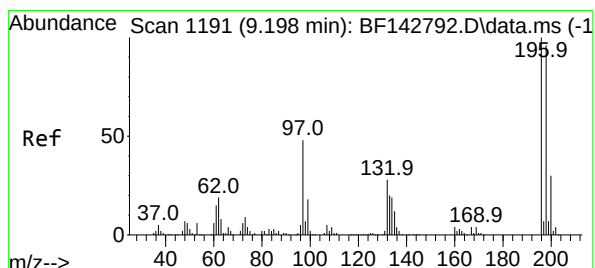
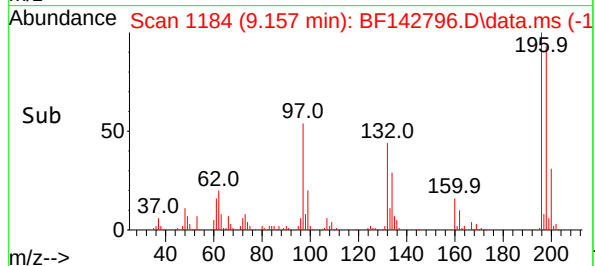
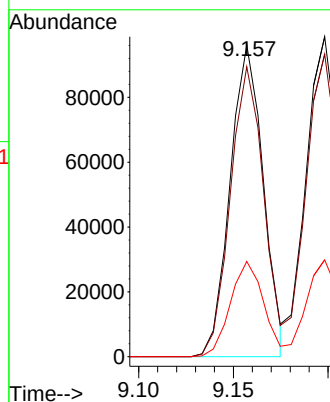
Tgt Ion:196 Resp: 116946

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

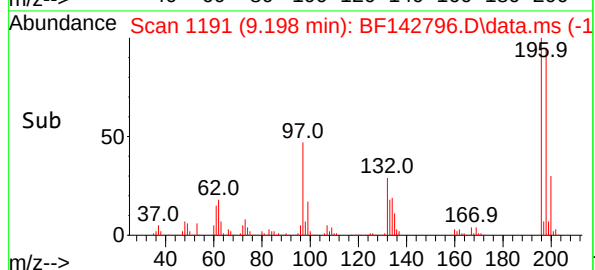
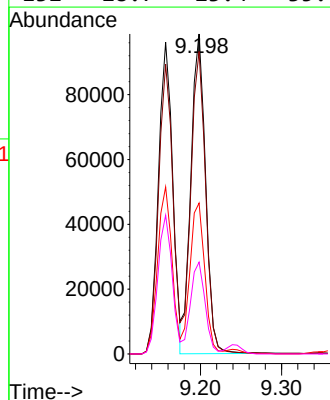
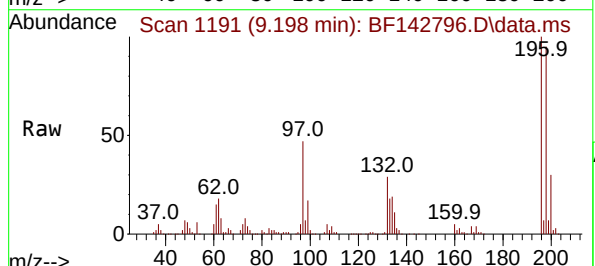
Ion Ratio Lower Upper

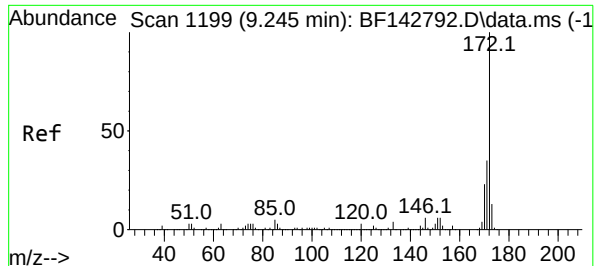
196 100

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

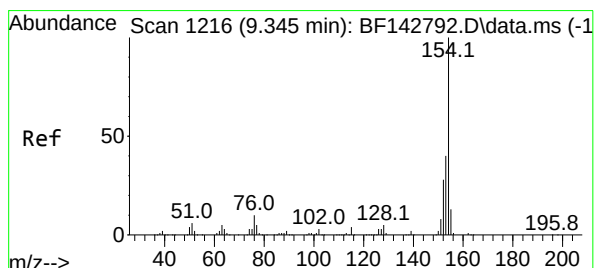
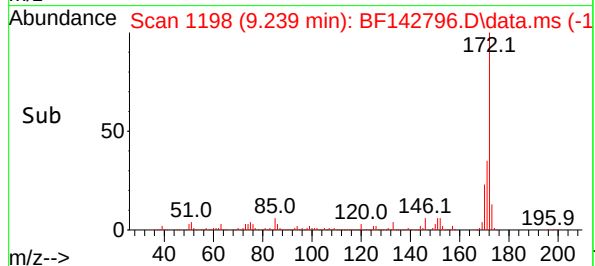
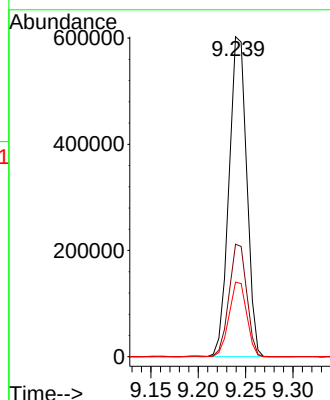
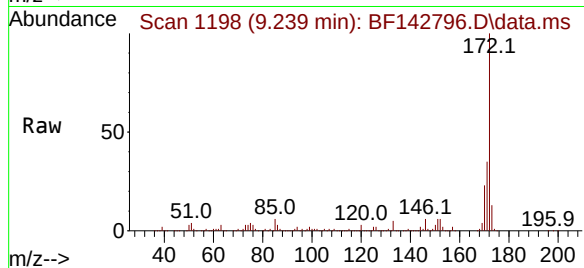
Tgt Ion:172 Resp: 785440

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

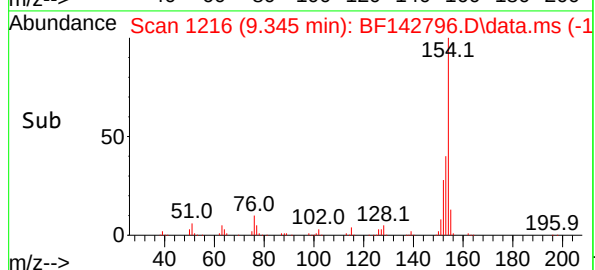
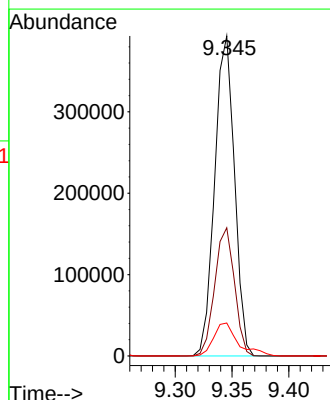
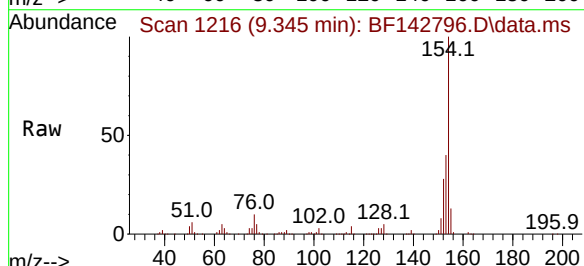
Tgt Ion:154 Resp: 476133

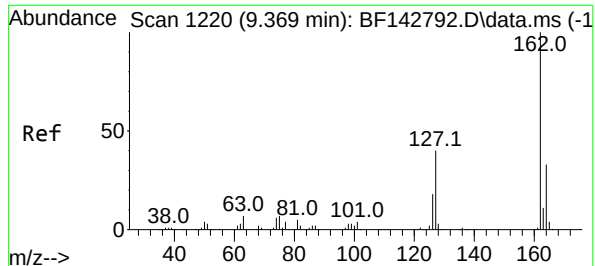
Ion Ratio Lower Upper

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

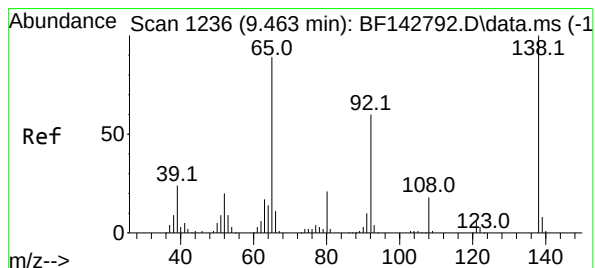
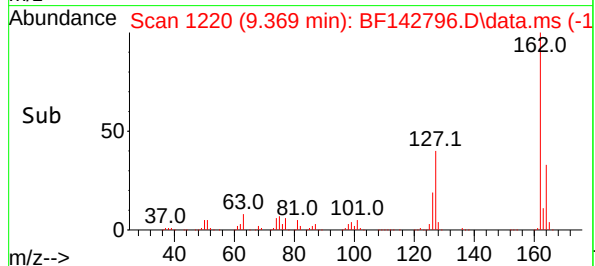
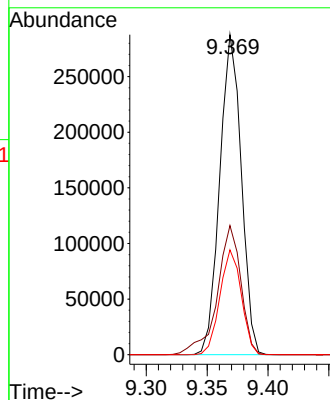
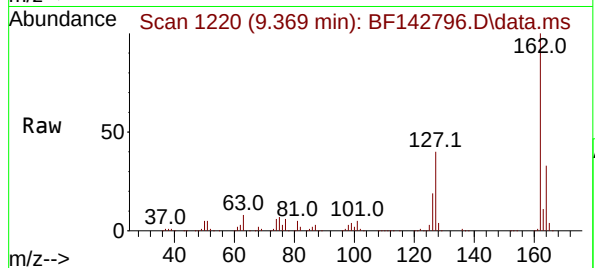
Tgt Ion:162 Resp: 354405

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

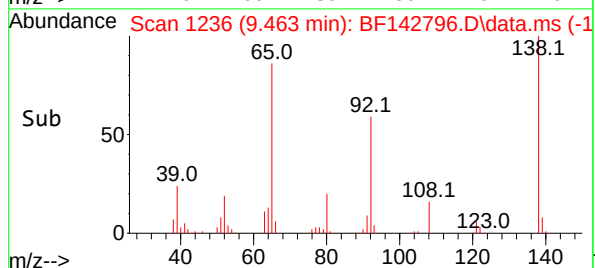
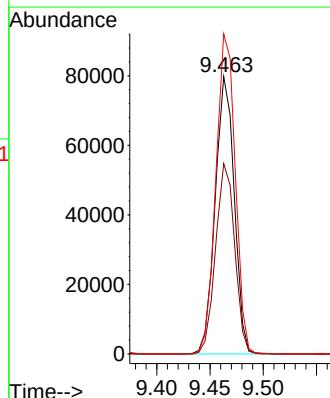
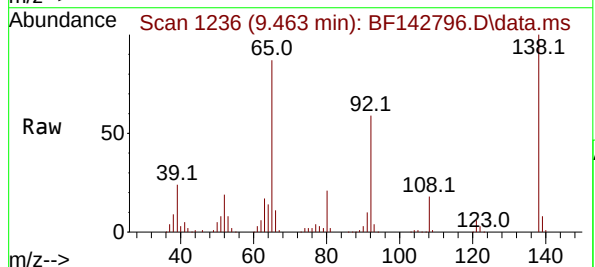
Tgt Ion: 65 Resp: 99137

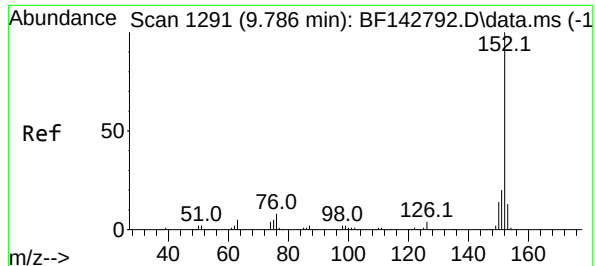
Ion Ratio Lower Upper

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

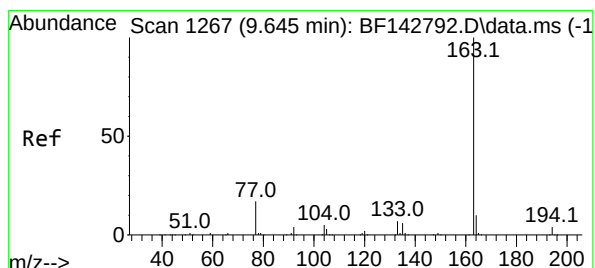
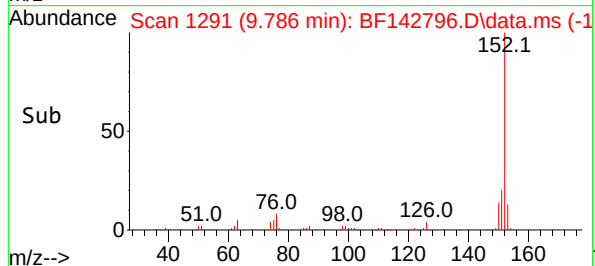
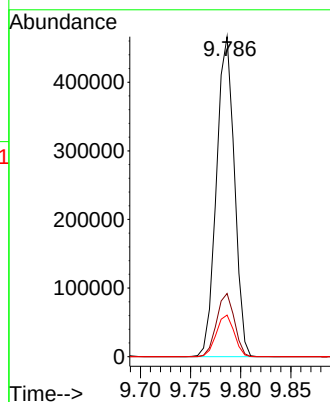
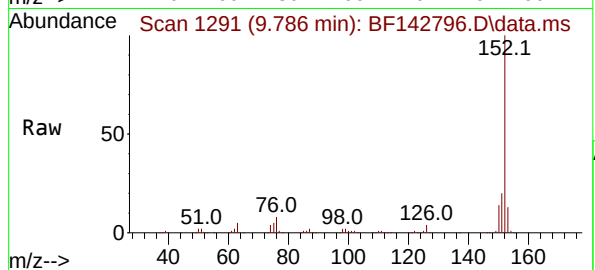
Tgt Ion:152 Resp: 580204

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

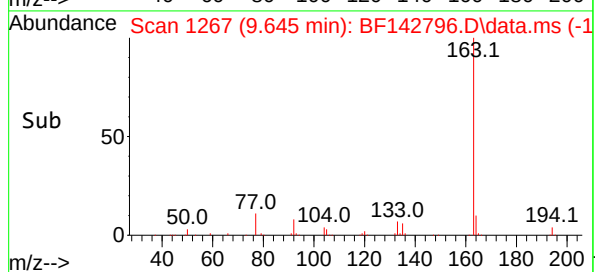
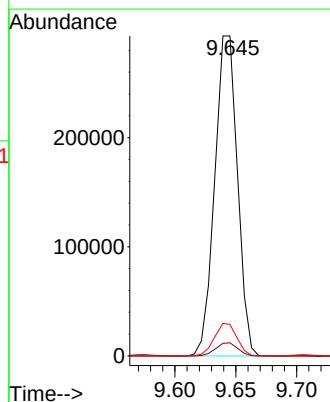
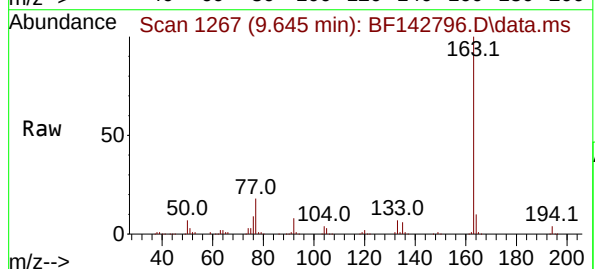
Tgt Ion:163 Resp: 381573

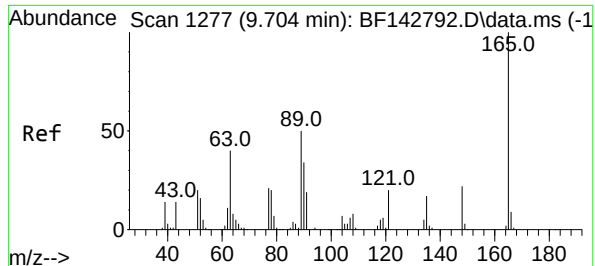
Ion Ratio Lower Upper

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

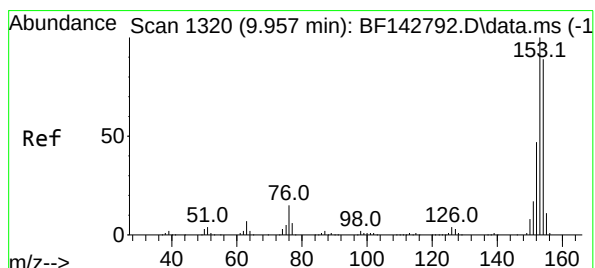
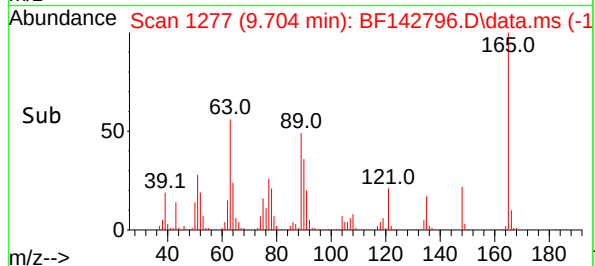
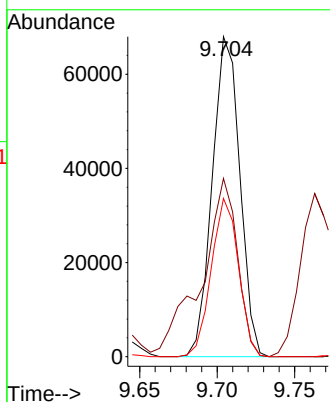
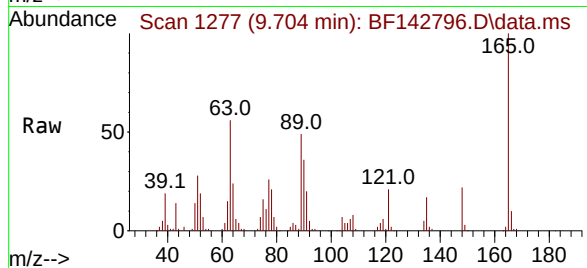
Tgt Ion:165 Resp: 84111

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

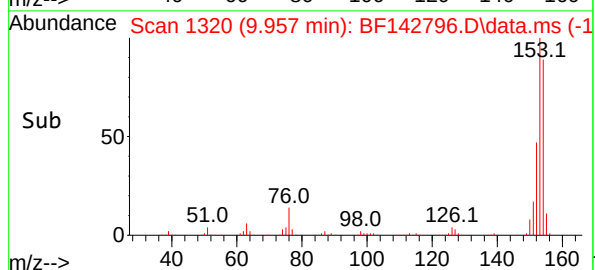
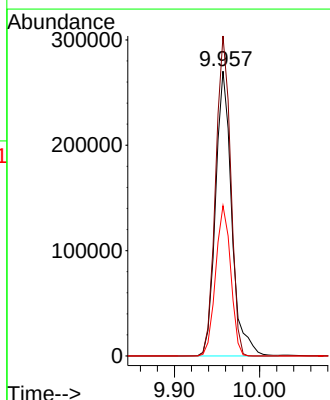
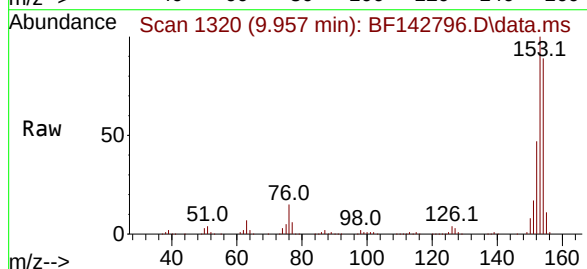
Tgt Ion:154 Resp: 356031

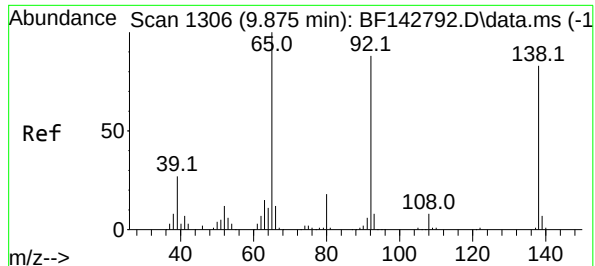
Ion Ratio Lower Upper

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

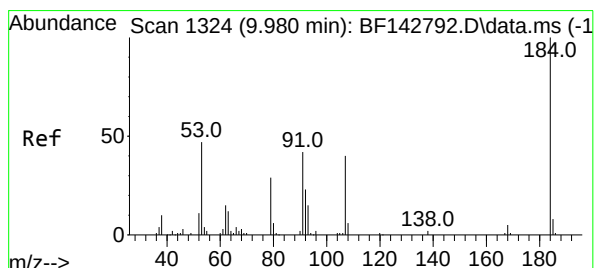
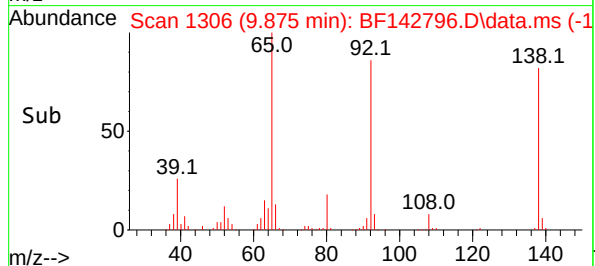
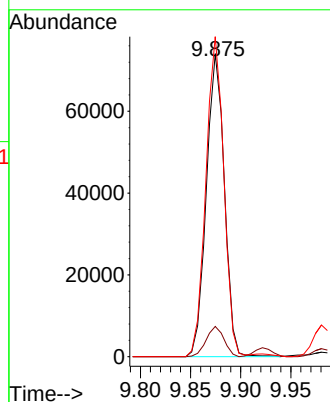
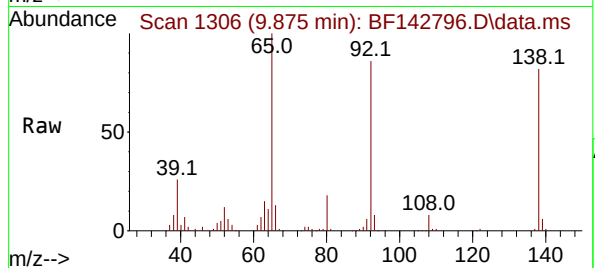
Tgt Ion:138 Resp: 92889

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

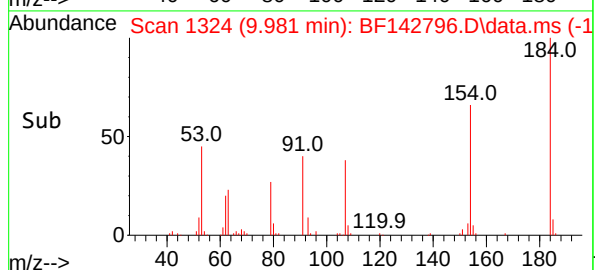
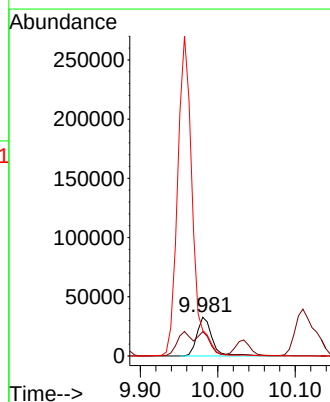
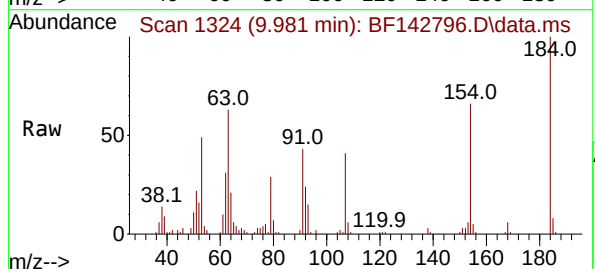
Tgt Ion:184 Resp: 44513

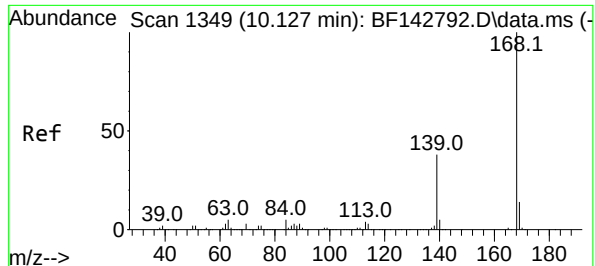
Ion Ratio Lower Upper

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

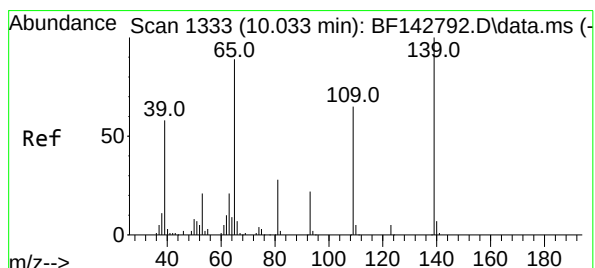
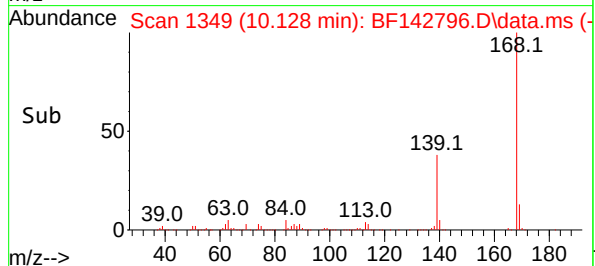
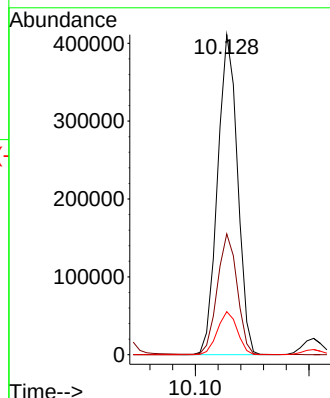
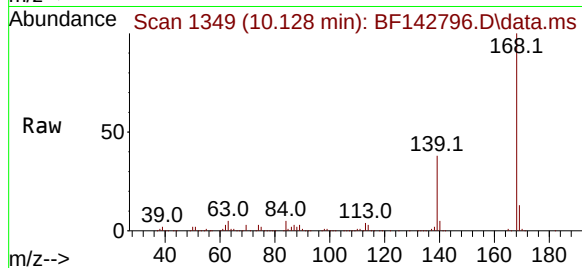
Tgt Ion:168 Resp: 502290

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

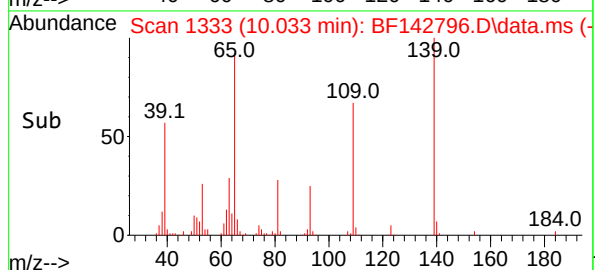
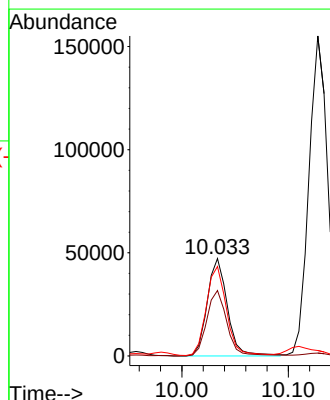
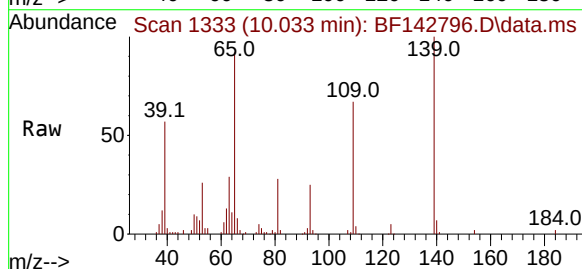
Tgt Ion:139 Resp: 62127

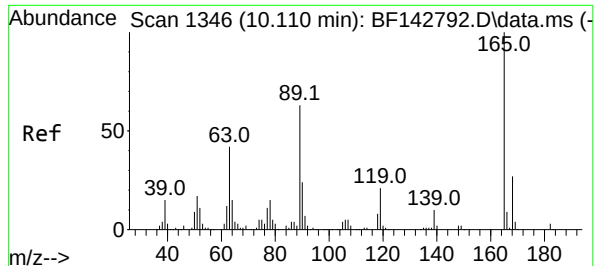
Ion Ratio Lower Upper

139 100

109 67.2 44.7 84.7

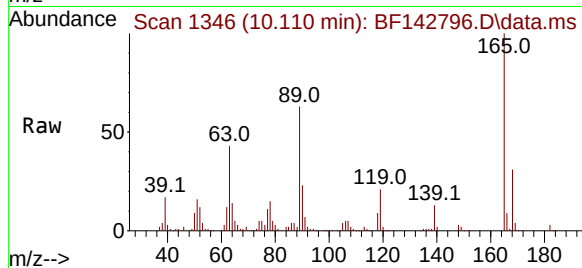
65 91.8 69.8 109.8



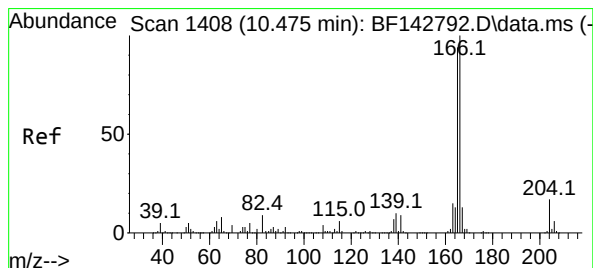
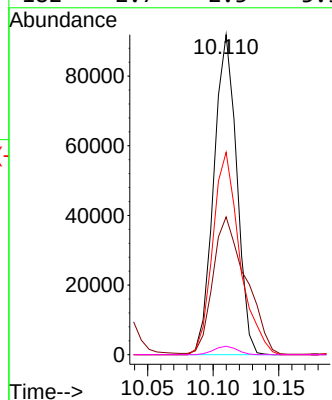
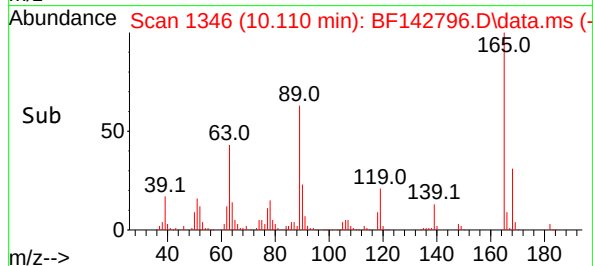


#57
2,4-Dinitrotoluene
Concen: 41.358 ng
RT: 10.110 min Scan# 1346
Delta R.T. 0.000 min
Lab File: BF142796.D
Acq: 19 Jun 2025 21:10

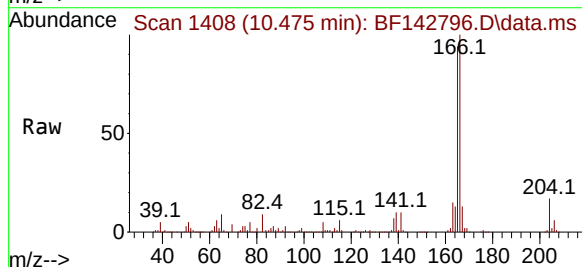
Instrument :
BNA_F
ClientSampleId :
ICVBF061925



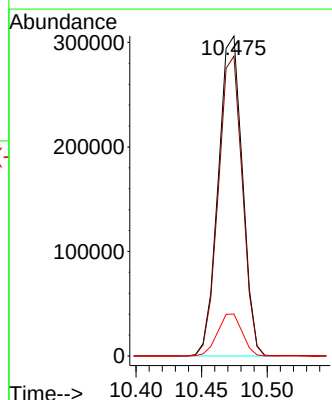
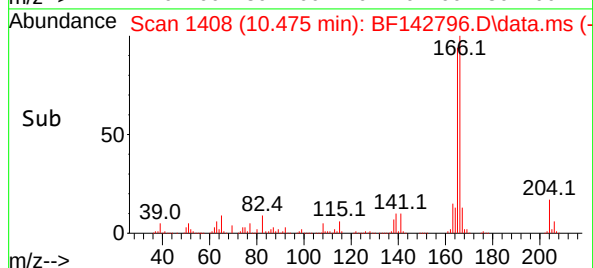
Tgt Ion:165 Resp: 111649
Ion Ratio Lower Upper
165 100
63 43.0 33.9 50.9
89 63.3 50.6 75.8
182 2.7 2.3 3.5

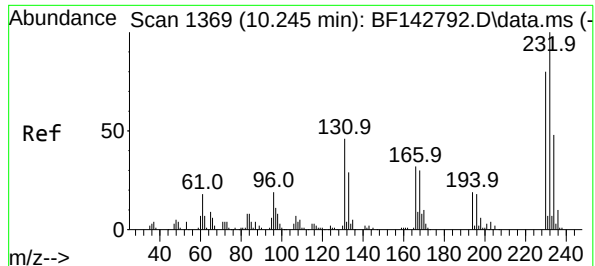


#58
Fluorene
Concen: 41.052 ng
RT: 10.475 min Scan# 1408
Delta R.T. 0.000 min
Lab File: BF142796.D
Acq: 19 Jun 2025 21:10



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

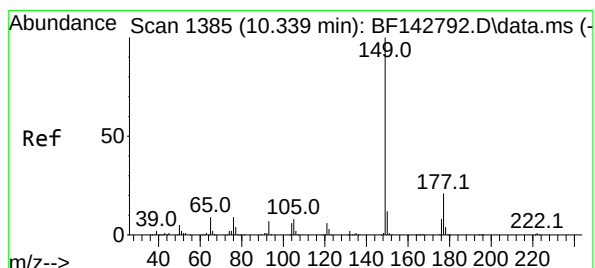
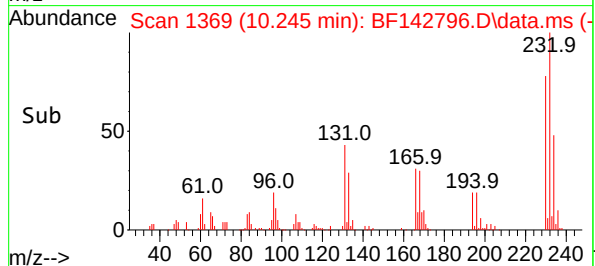
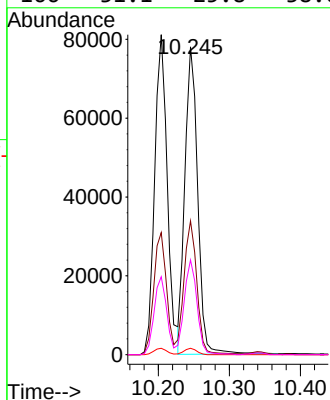
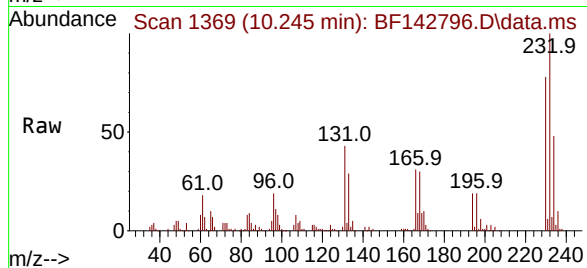




#59
2,3,4,6-Tetrachlorophenol
Concen: 41.857 ng
RT: 10.245 min Scan# 1369
Delta R.T. 0.000 min
Lab File: BF142796.D
Acq: 19 Jun 2025 21:10

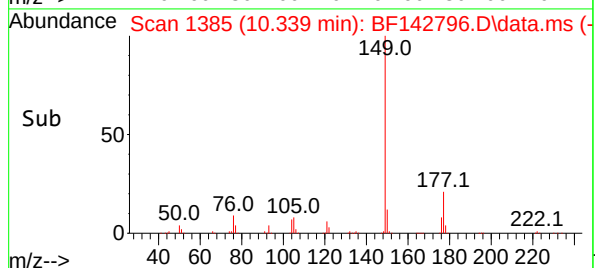
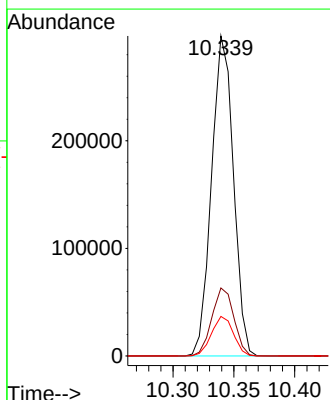
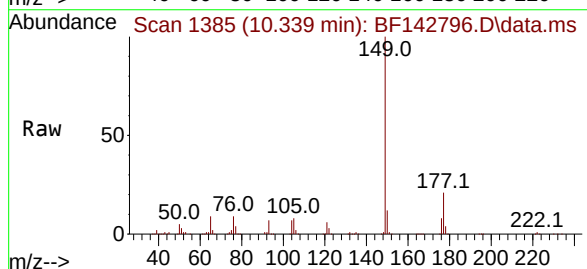
Instrument :
BNA_F
ClientSampleId :
ICVBF061925

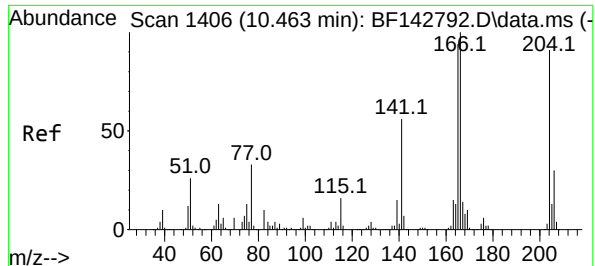
Tgt Ion:232 Resp: 97630
Ion Ratio Lower Upper
232 100
131 44.4 37.6 56.4
130 2.1 1.7 2.5
166 31.1 25.8 38.6



#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

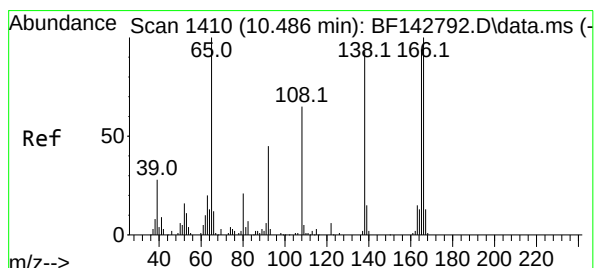
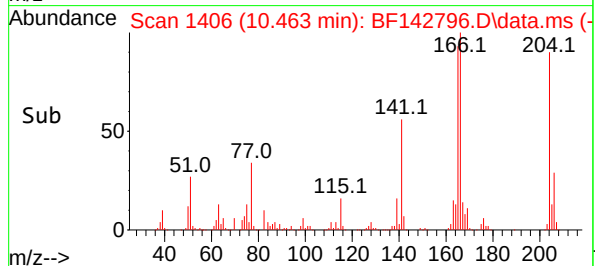
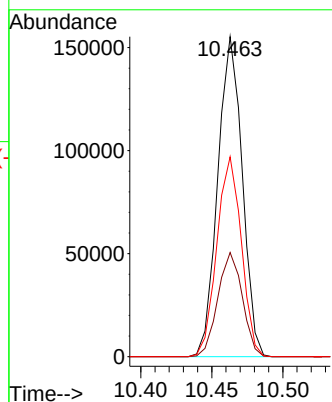
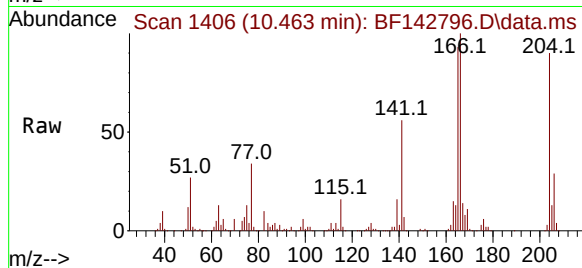




#61
4-Chlorophenyl-phenylether
Concen: 40.862 ng
RT: 10.463 min Scan# 1406
Delta R.T. 0.000 min
Lab File: BF142796.D
Acq: 19 Jun 2025 21:10

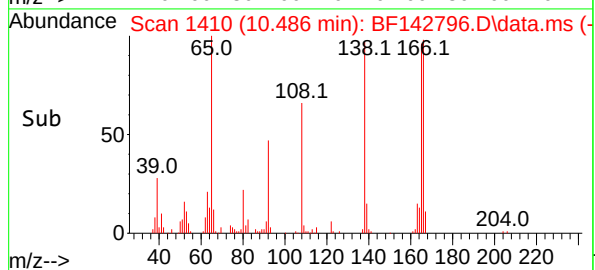
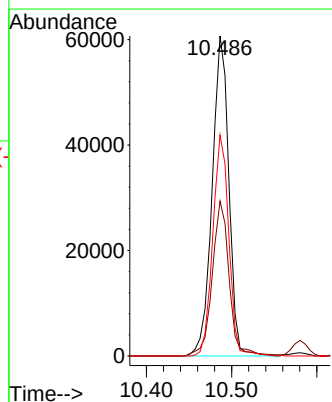
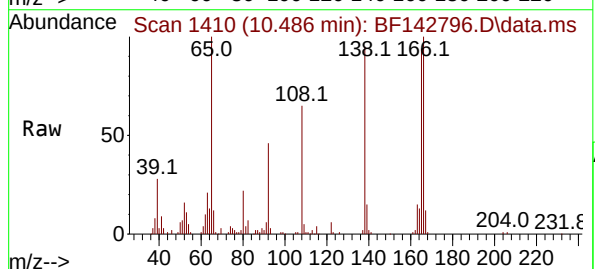
Instrument :
BNA_F
ClientSampleId :
ICVBF061925

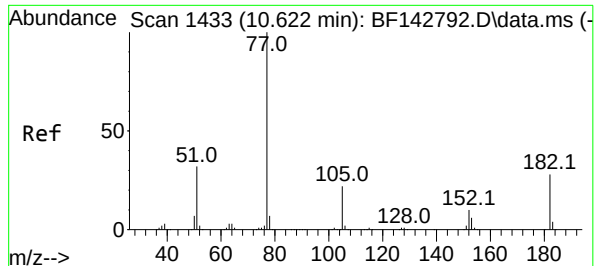
Tgt Ion:	204	Resp:	185884
Ion Ratio	Lower	Upper	
204	100		
206	32.6	26.3	39.5
141	62.5	49.1	73.7



#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

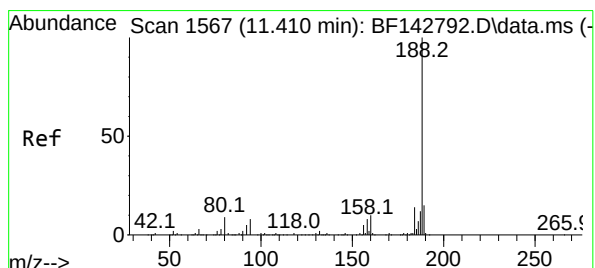
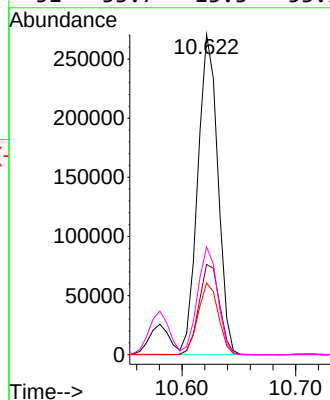
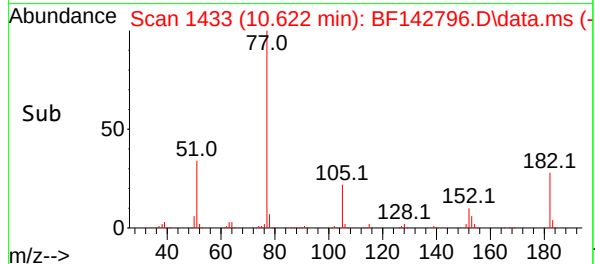
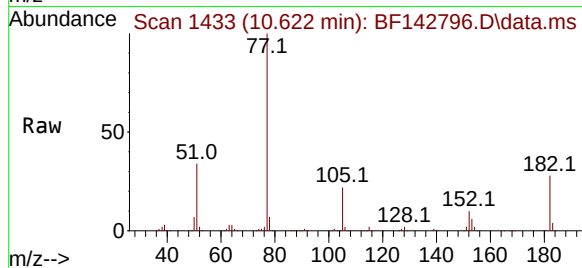




#63
Azobenzene
Concen: 41.025 ng
RT: 10.622 min Scan# 1433
Delta R.T. 0.000 min
Lab File: BF142796.D
Acq: 19 Jun 2025 21:10

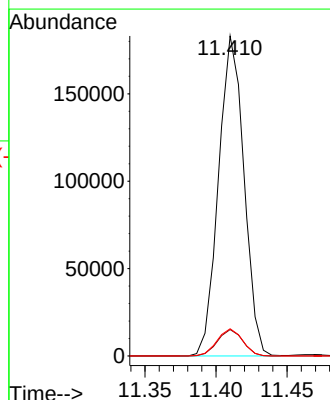
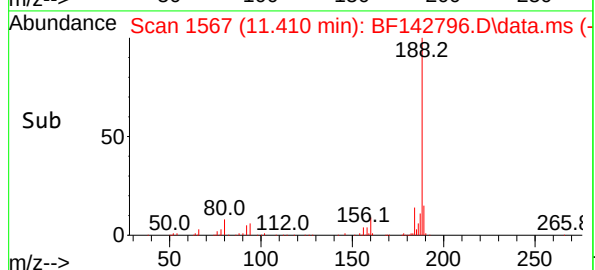
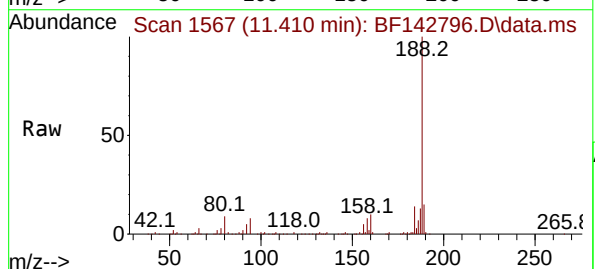
Instrument :
BNA_F
ClientSampleId :
ICVBF061925

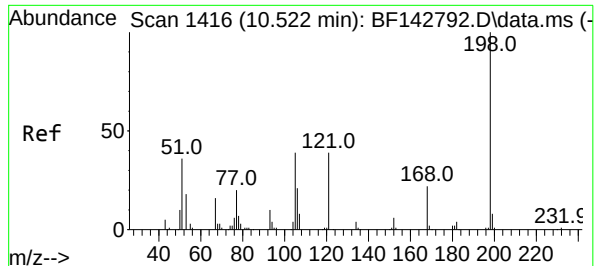
Tgt Ion:	77	Resp:	332701
Ion	Ratio	Lower	Upper
77	100		
182	28.2	7.7	47.7
105	22.4	1.9	41.9
51	33.7	13.3	53.3



#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

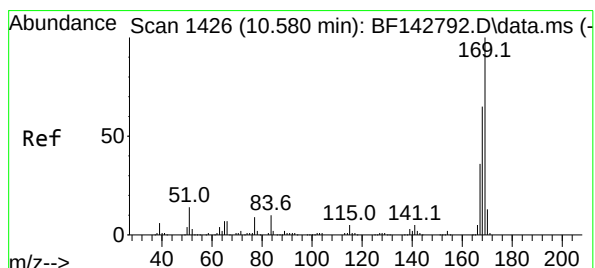
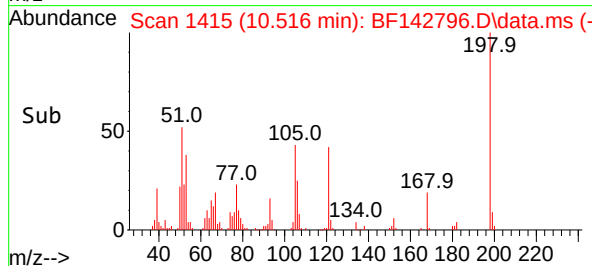
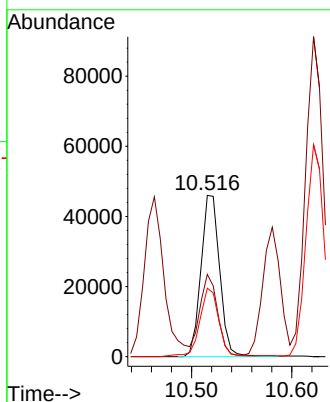
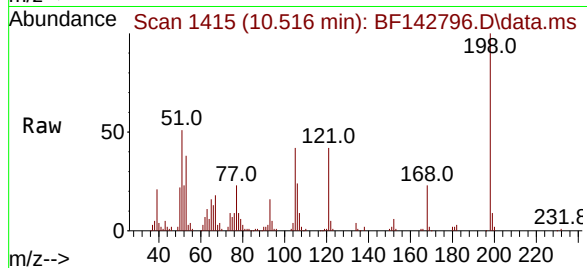




#65
4,6-Dinitro-2-methylphenol
Concen: 43.341 ng
RT: 10.516 min Scan# 1416
Delta R.T. -0.006 min
Lab File: BF142796.D
Acq: 19 Jun 2025 21:10

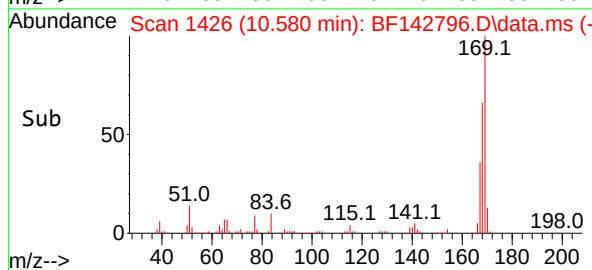
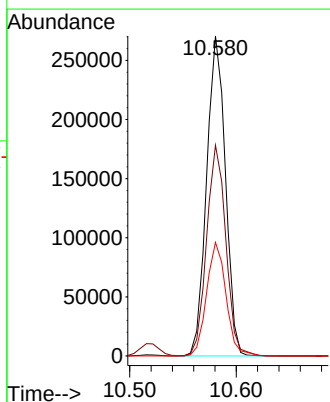
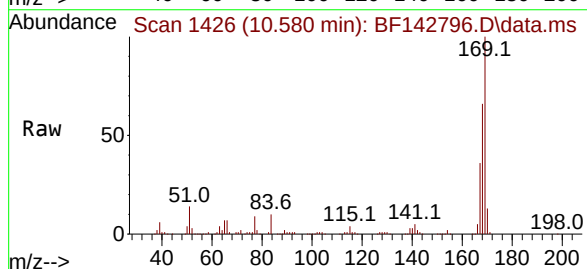
Instrument :
BNA_F
ClientSampleId :
ICVBF061925

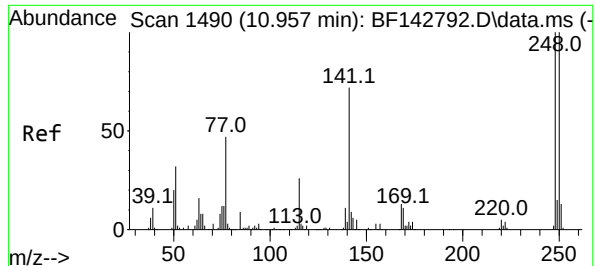
Tgt Ion:198 Resp: 59797
Ion Ratio Lower Upper
198 100
51 51.0 25.4 65.4
105 42.5 20.4 60.4



#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

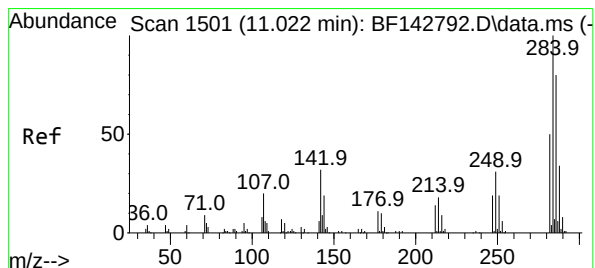
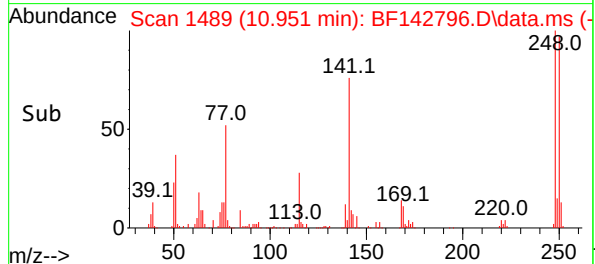
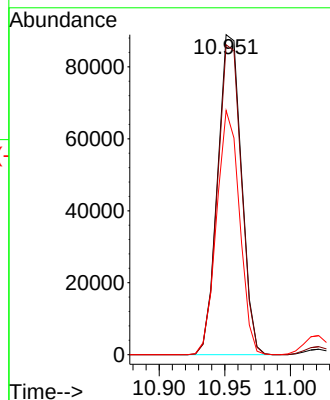
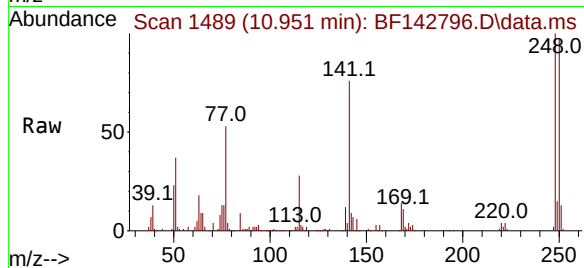




#67
4-Bromophenyl-phenylether
Concen: 43.376 ng
RT: 10.951 min Scan# 1489
Delta R.T. -0.006 min
Lab File: BF142796.D
Acq: 19 Jun 2025 21:10

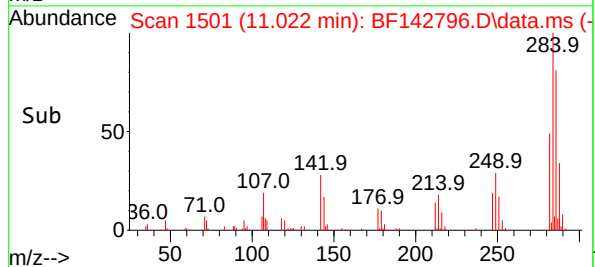
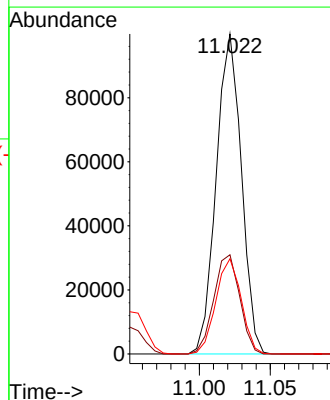
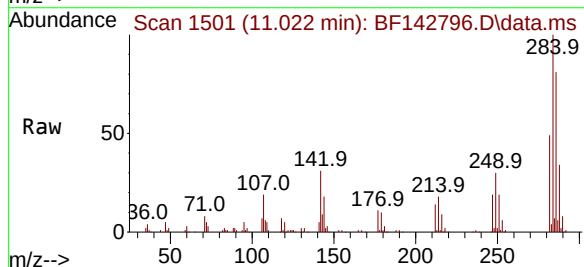
Instrument :
BNA_F
ClientSampleId :
ICVBF061925

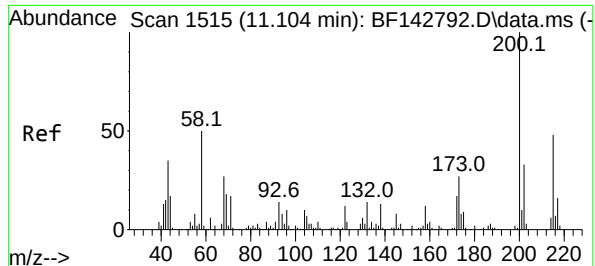
Tgt Ion:248 Resp: 112604
Ion Ratio Lower Upper
248 100
250 96.8 79.8 119.8
141 76.3 57.8 86.6



#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

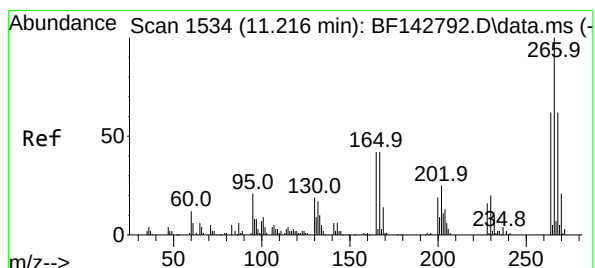
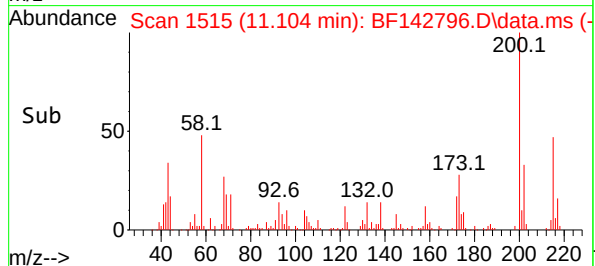
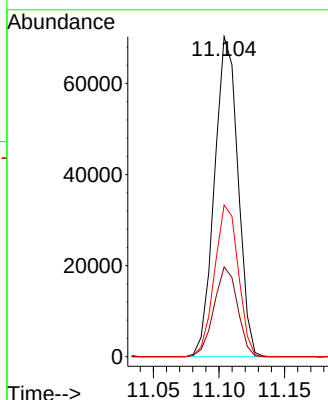
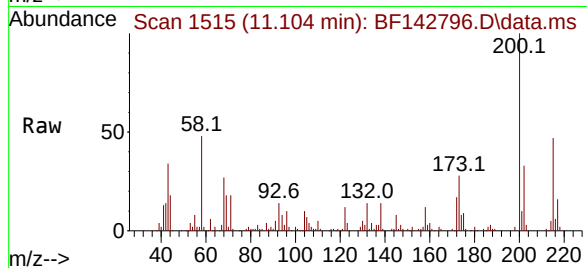
Tgt Ion:200 Resp: 87455

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

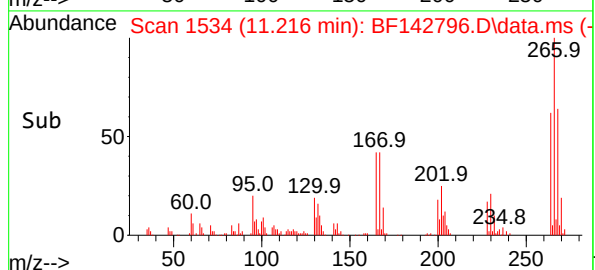
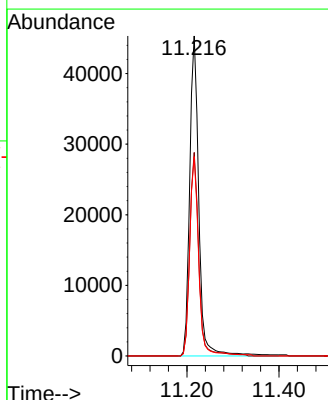
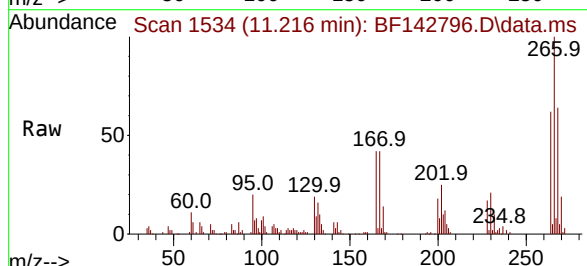
Tgt Ion:266 Resp: 62292

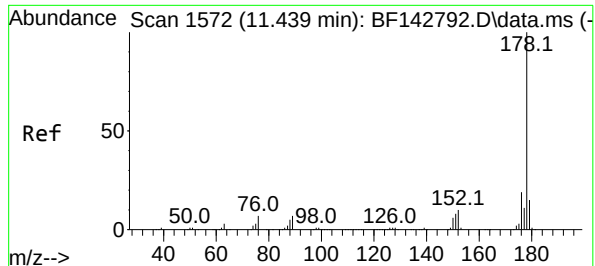
Ion Ratio Lower Upper

266 100

268 63.6 49.8 74.8

264 62.3 49.9 74.9

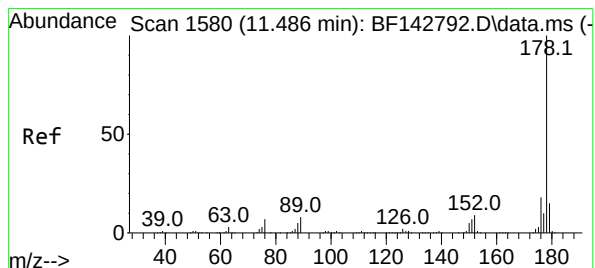
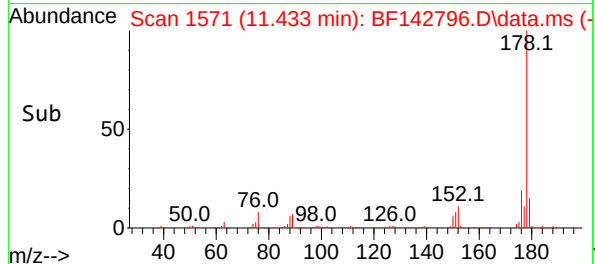
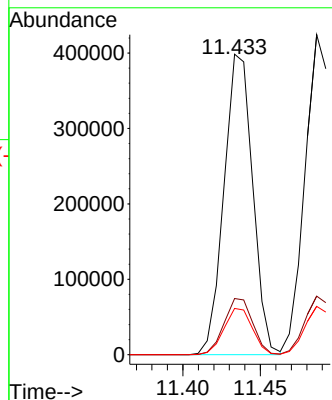
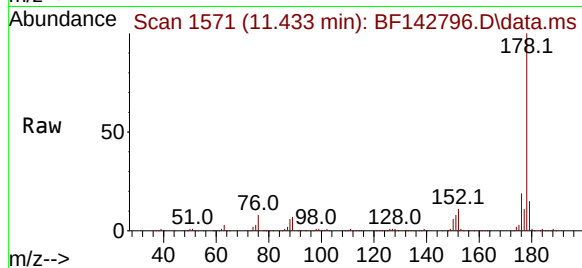




#71
Phenanthrene
Concen: 41.603 ng
RT: 11.433 min Scan# 1571
Delta R.T. -0.006 min
Lab File: BF142796.D
Acq: 19 Jun 2025 21:10

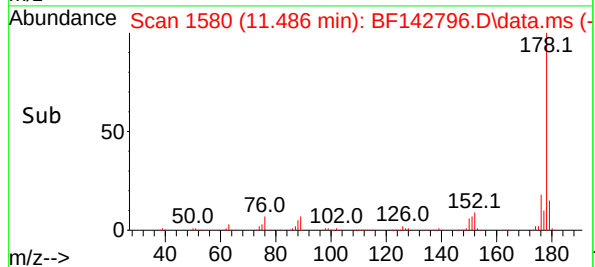
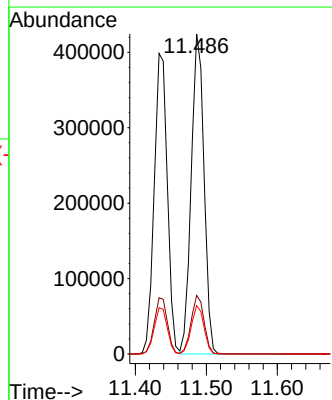
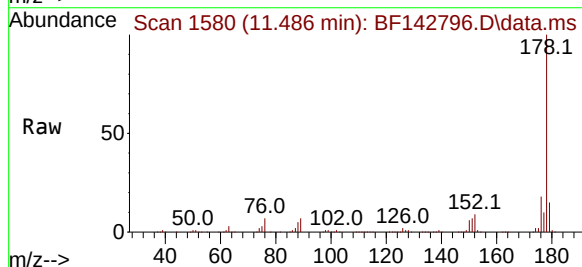
Instrument :
BNA_F
ClientSampleId :
ICVBF061925

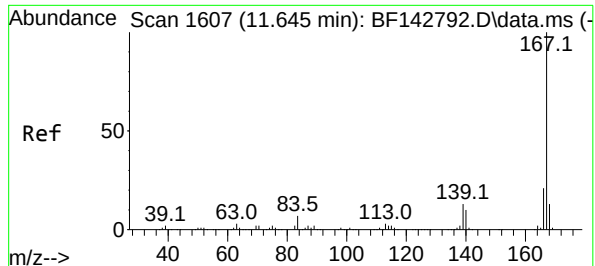
Tgt Ion:178 Resp: 514049
Ion Ratio Lower Upper
178 100
176 18.7 15.1 22.7
179 15.4 12.0 18.0



#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

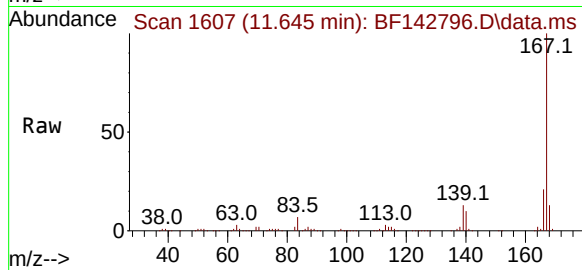
Tgt Ion:178 Resp: 532397
Ion Ratio Lower Upper
178 100
176 18.3 14.6 21.8
179 15.1 12.4 18.6



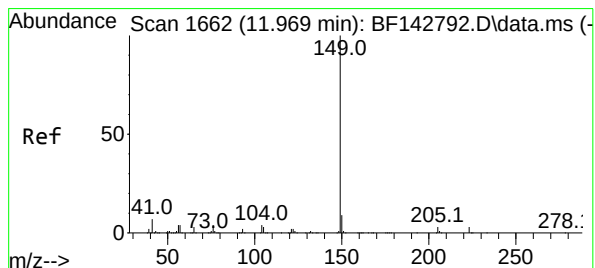
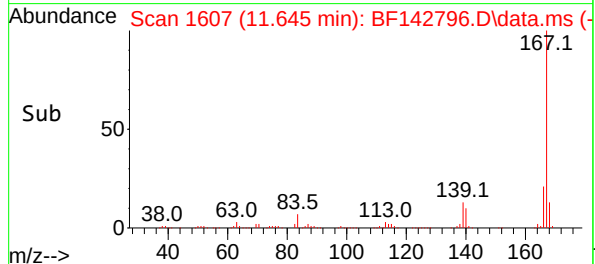
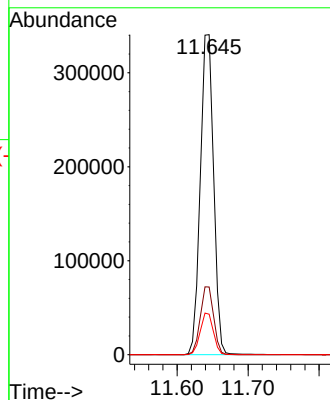


#73
Carbazole
Concen: 40.858 ng
RT: 11.645 min Scan# 1607
Delta R.T. 0.000 min
Lab File: BF142796.D
Acq: 19 Jun 2025 21:10

Instrument :
BNA_F
ClientSampleId :
ICVBF061925

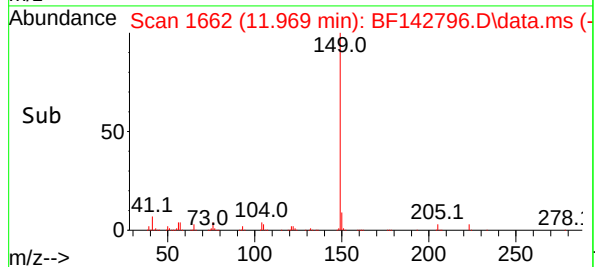
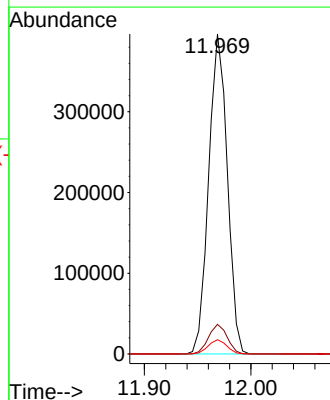
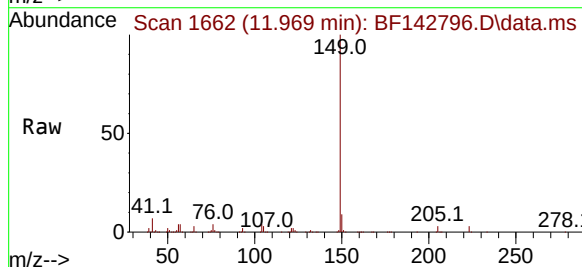


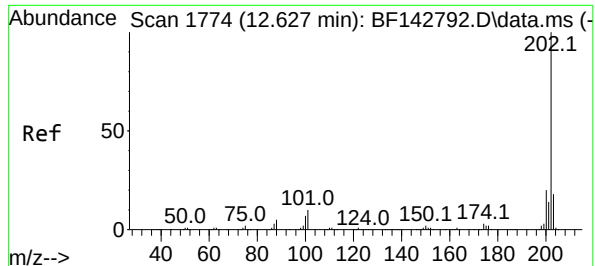
Tgt Ion:167 Resp: 446814
Ion Ratio Lower Upper
167 100
166 21.2 17.0 25.4
139 12.7 10.2 15.2



#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

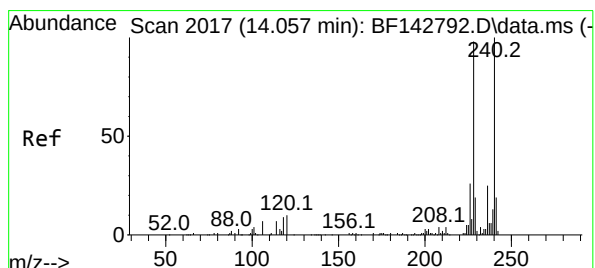
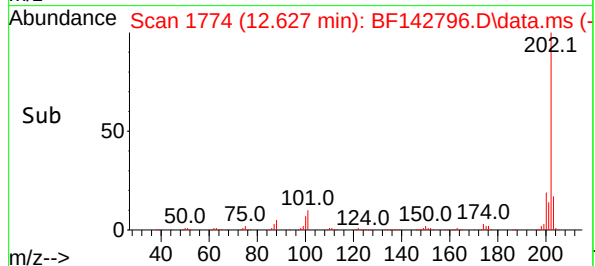
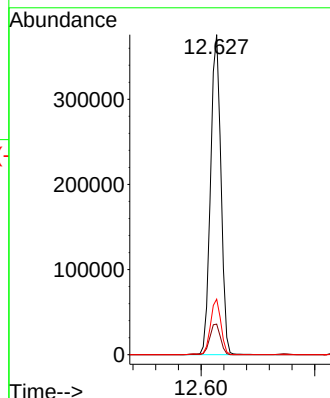
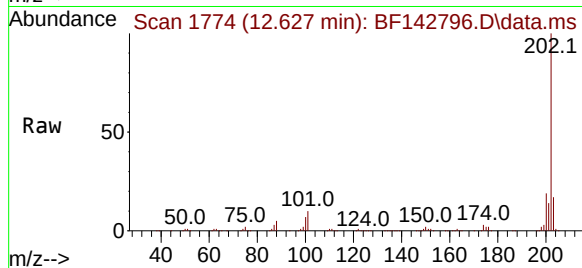




#75
Fluoranthene
Concen: 40.372 ng
RT: 12.627 min Scan# 1774
Delta R.T. 0.000 min
Lab File: BF142796.D
Acq: 19 Jun 2025 21:10

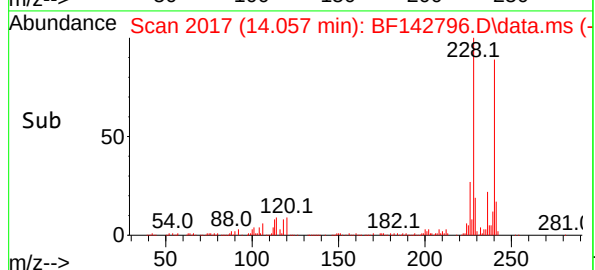
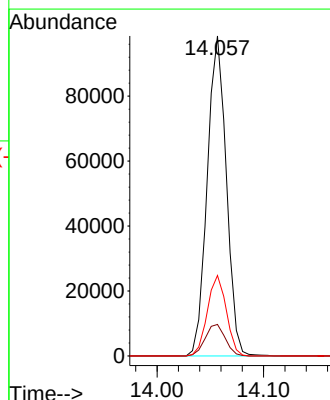
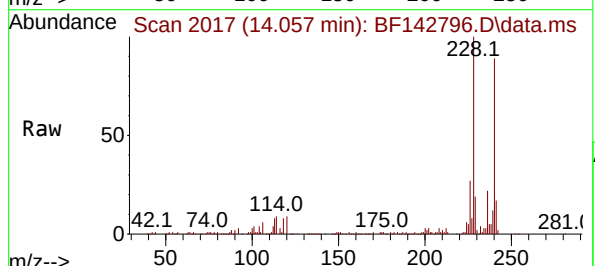
Instrument :
BNA_F
ClientSampleId :
ICVBF061925

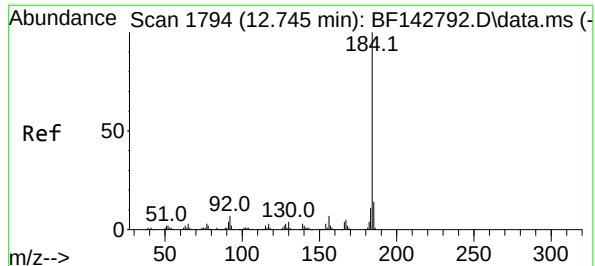
Tgt Ion	Ratio	Lower	Upper
202	100		
101	9.6	0.0	29.7
203	17.3	0.0	37.5



#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

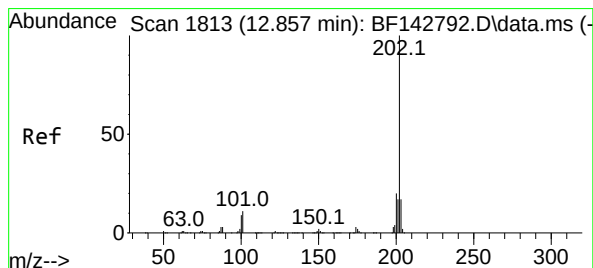
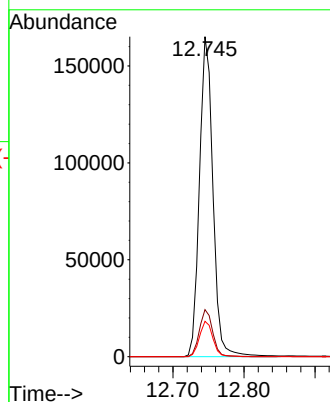
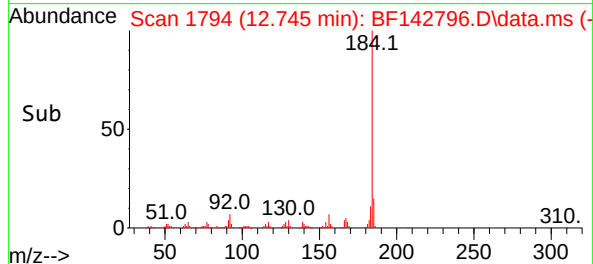
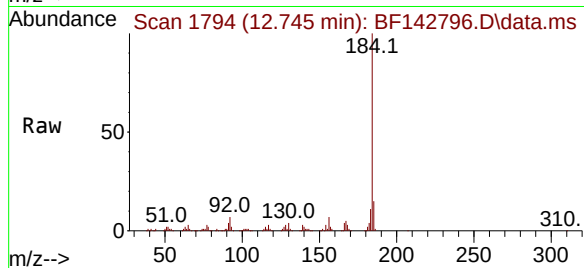




#77
Benzidine
Concen: 47.530 ng
RT: 12.745 min Scan# 1794
Delta R.T. 0.000 min
Lab File: BF142796.D
Acq: 19 Jun 2025 21:10

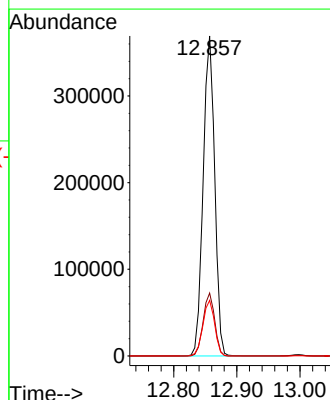
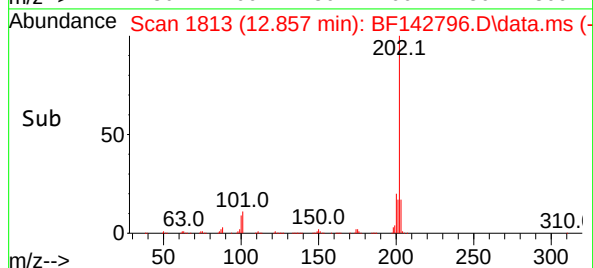
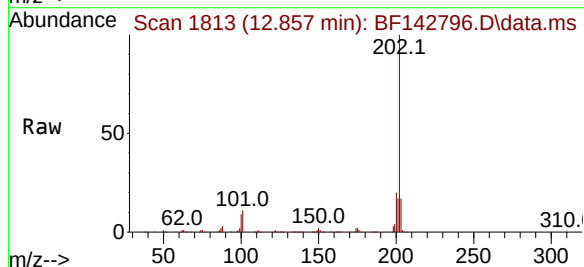
Instrument :
BNA_F
ClientSampleId :
ICVBF061925

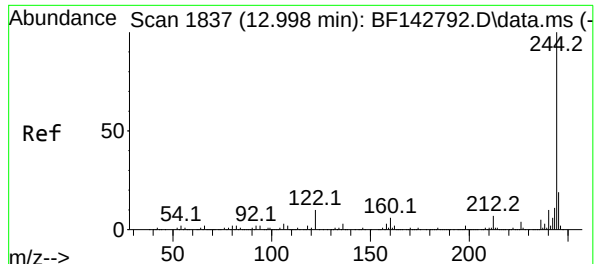
Tgt Ion:184 Resp: 218884
Ion Ratio Lower Upper
184 100
185 14.7 11.5 17.3
183 11.0 9.0 13.4



#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:202 Resp: 468692
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

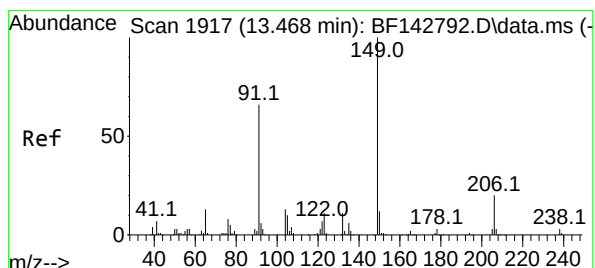
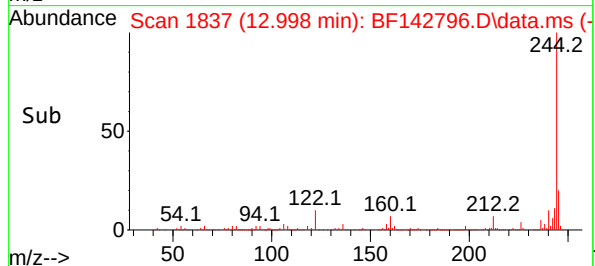
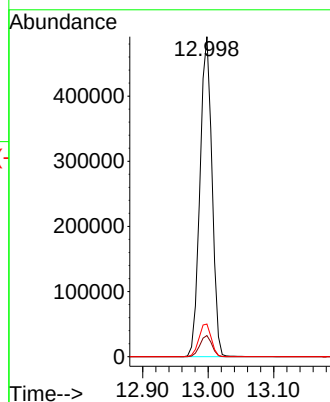
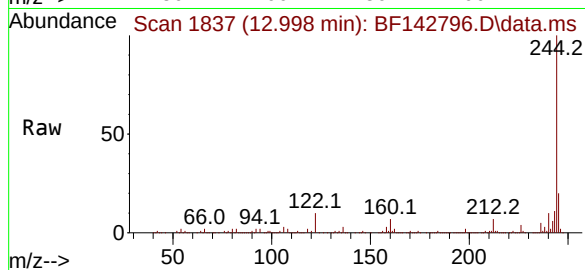
Tgt Ion:244 Resp: 628420

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

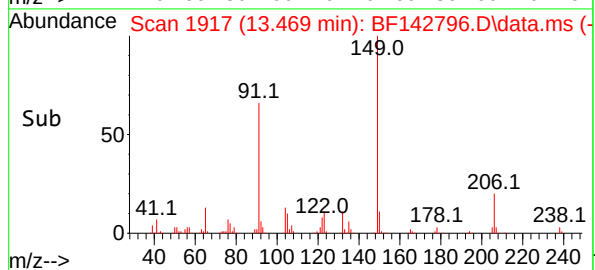
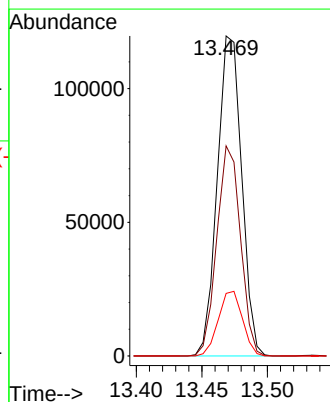
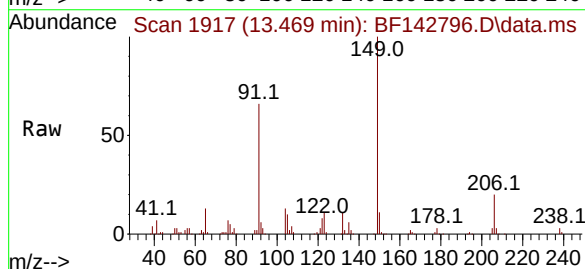
Tgt Ion:149 Resp: 154743

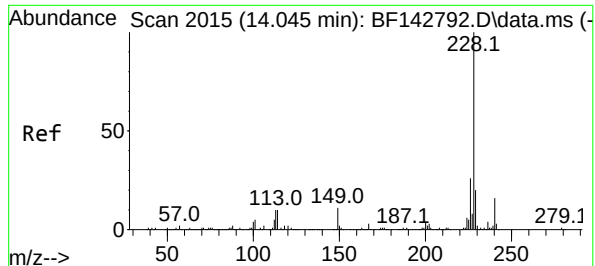
Ion Ratio Lower Upper

149 100

91 65.7 52.9 79.3

206 19.6 16.3 24.5

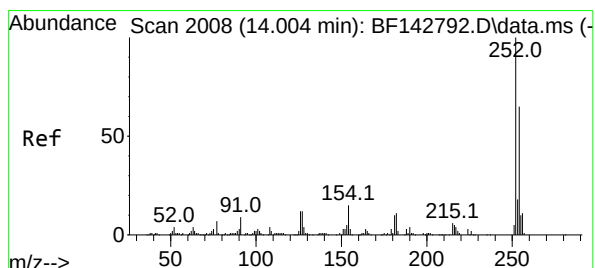
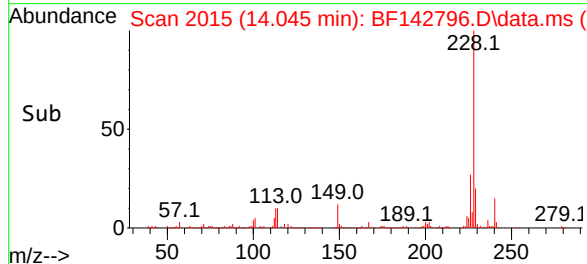
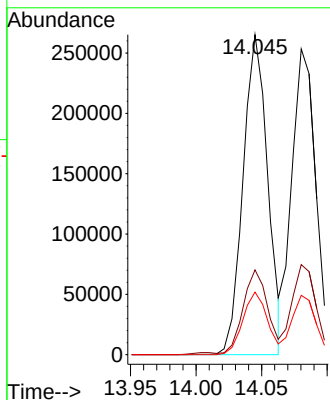
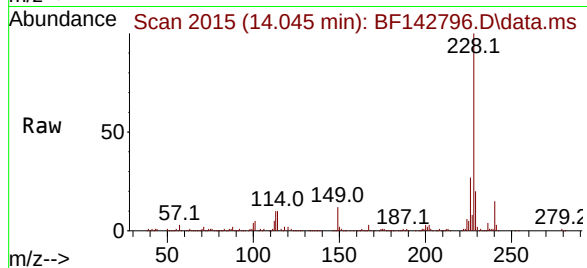




#81
Benzo(a)anthracene
Concen: 41.868 ng
RT: 14.045 min Scan# 2015
Delta R.T. 0.000 min
Lab File: BF142796.D
Acq: 19 Jun 2025 21:10

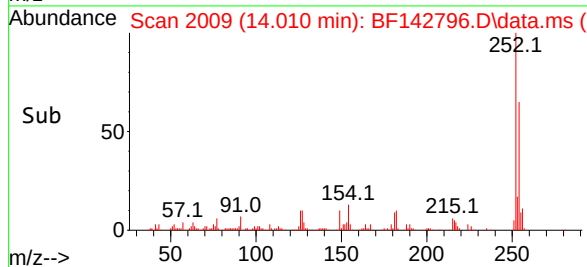
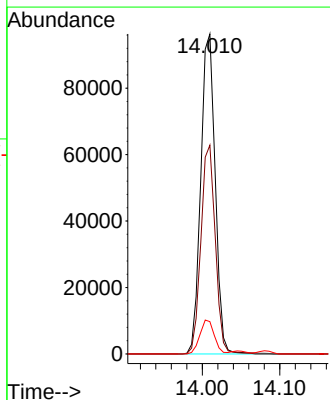
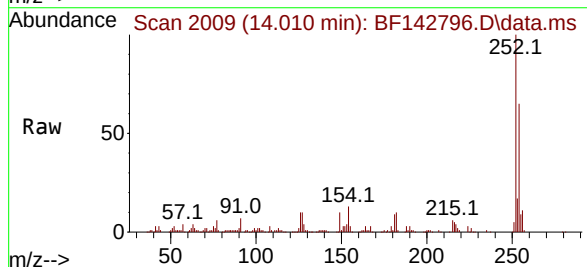
Instrument :
BNA_F
ClientSampleId :
ICVBF061925

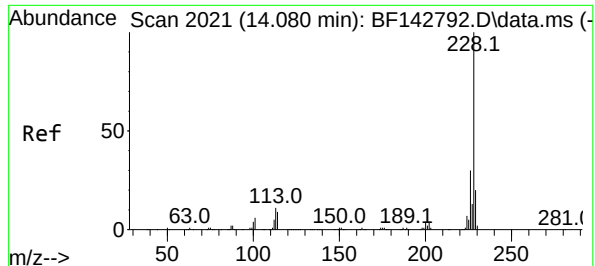
Tgt Ion:228 Resp: 346202
Ion Ratio Lower Upper
228 100
226 26.5 21.2 31.8
229 19.6 15.6 23.4



#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

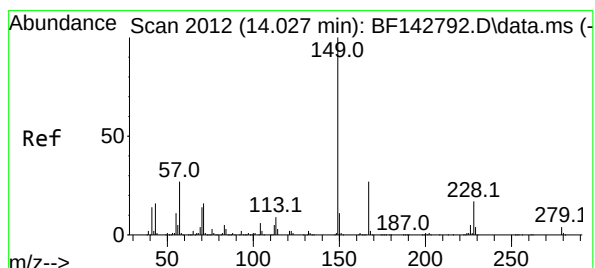
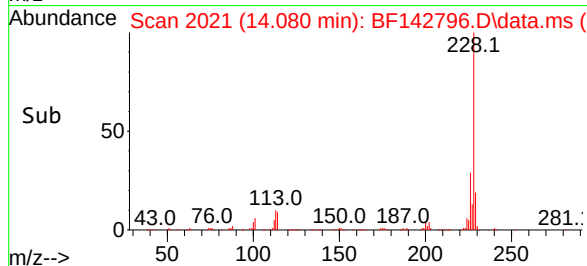
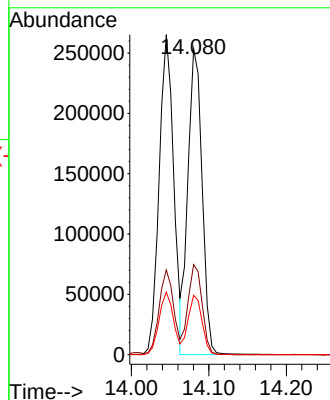
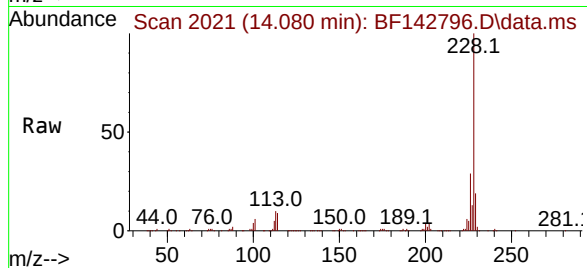
Tgt Ion:228 Resp: 321976

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

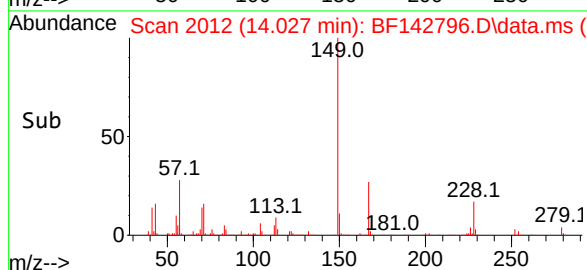
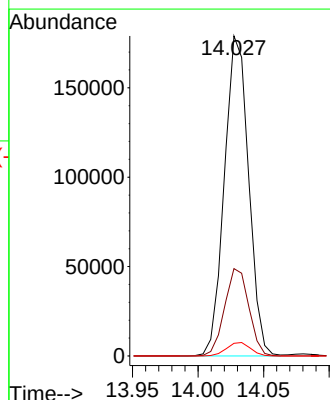
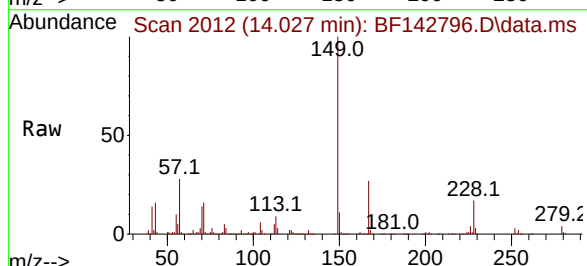
Tgt Ion:149 Resp: 230046

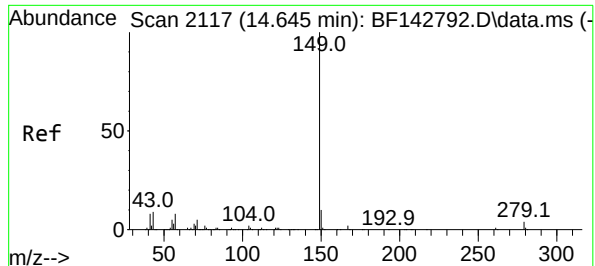
Ion Ratio Lower Upper

149 100

167 27.3 21.4 32.0

279 4.0 3.0 4.6

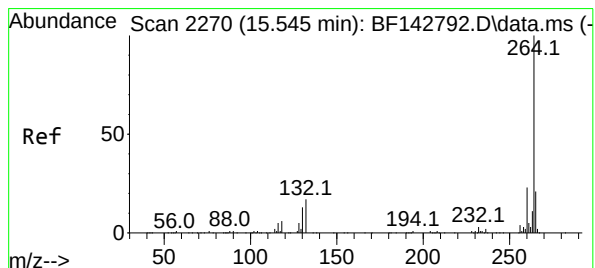
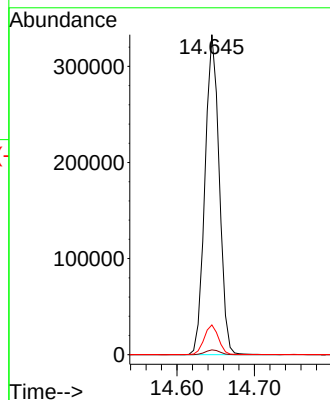
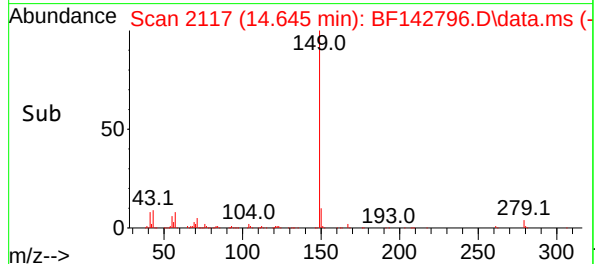
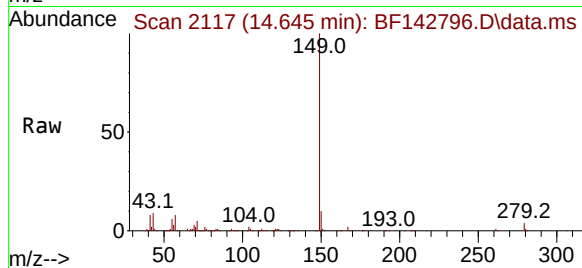




#85
Di-n-octyl phthalate
Concen: 47.026 ng
RT: 14.645 min Scan# 2117
Delta R.T. 0.000 min
Lab File: BF142796.D
Acq: 19 Jun 2025 21:10

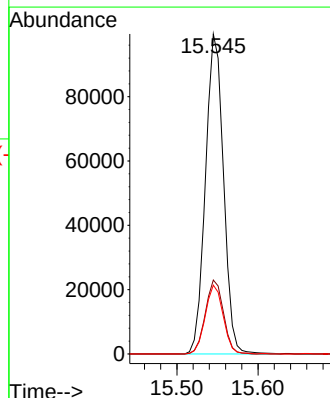
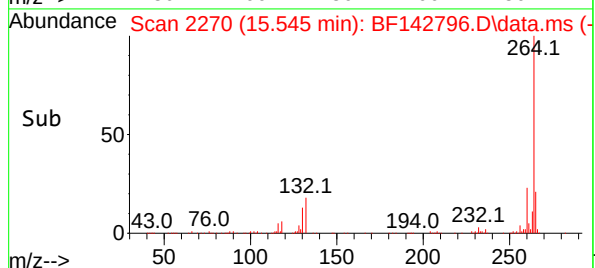
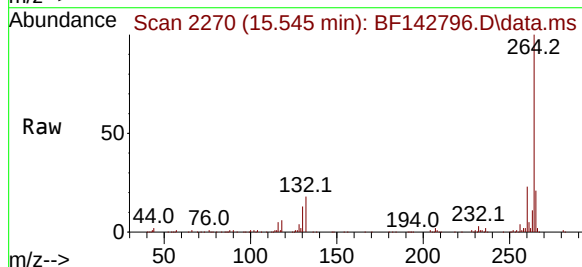
Instrument :
BNA_F
ClientSampleId :
ICVBF061925

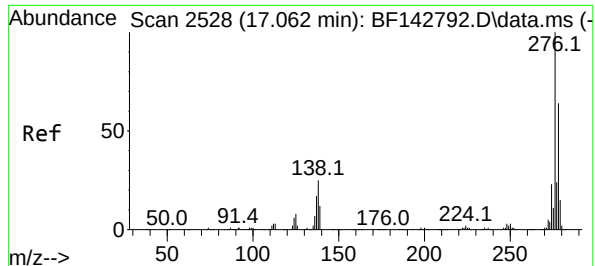
Tgt Ion:149 Resp: 425193
Ion Ratio Lower Upper
149 100
167 1.5 1.3 1.9
43 9.2 7.6 11.4



#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:264 Resp: 153363
Ion Ratio Lower Upper
264 100
260 23.1 18.1 27.1
265 21.5 16.6 25.0

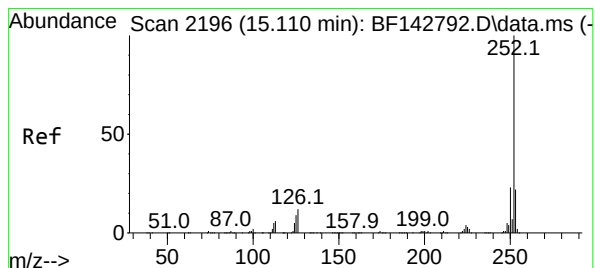
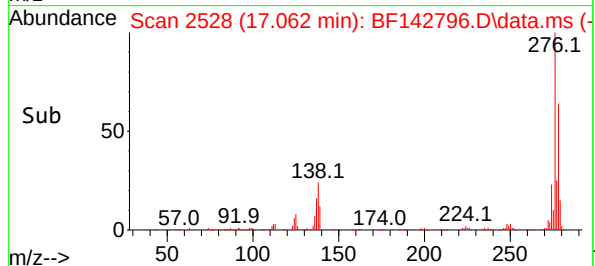
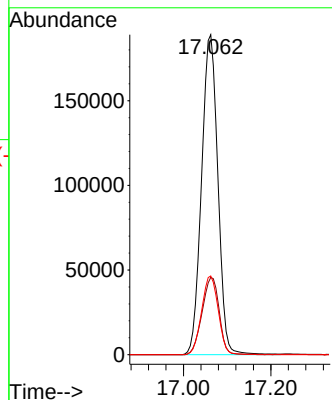
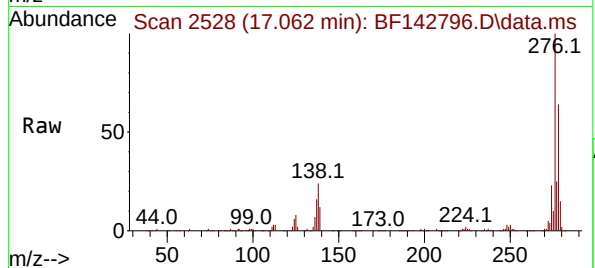




#87
Indeno(1,2,3-cd)pyrene
Concen: 42.060 ng
RT: 17.062 min Scan# 2528
Delta R.T. 0.000 min
Lab File: BF142796.D
Acq: 19 Jun 2025 21:10

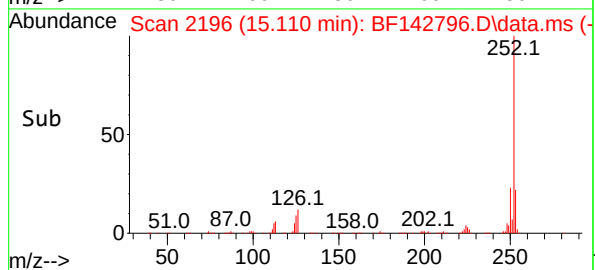
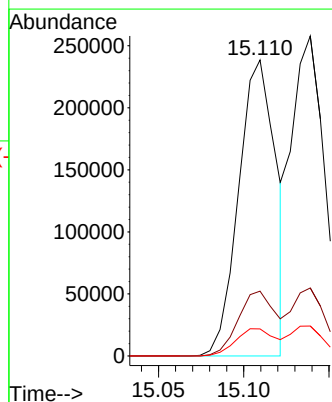
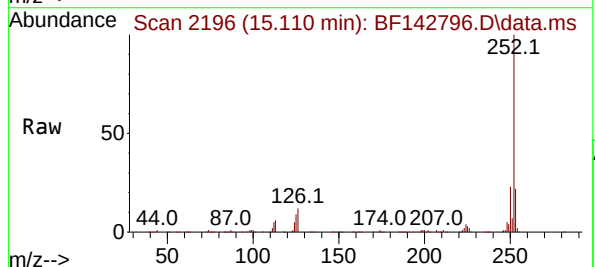
Instrument :
BNA_F
ClientSampleId :
ICVBF061925

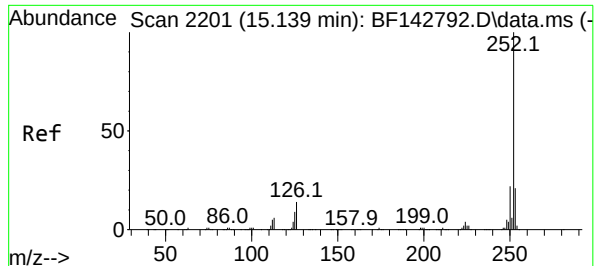
Tgt Ion:276 Resp: 491326
Ion Ratio Lower Upper
276 100
138 25.3 20.2 30.4
277 25.1 19.8 29.6



#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

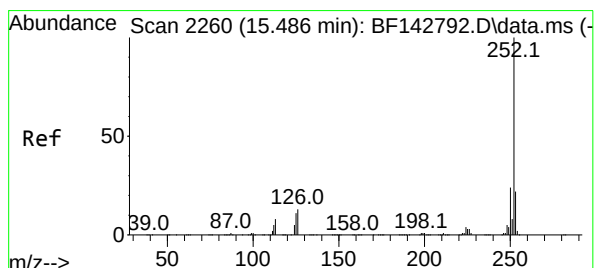
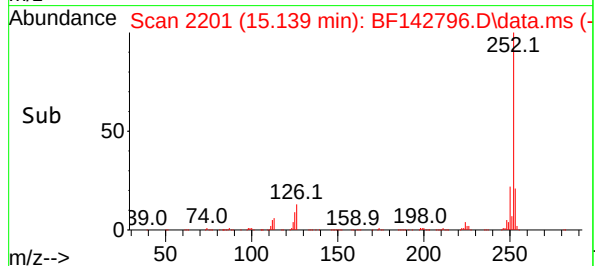
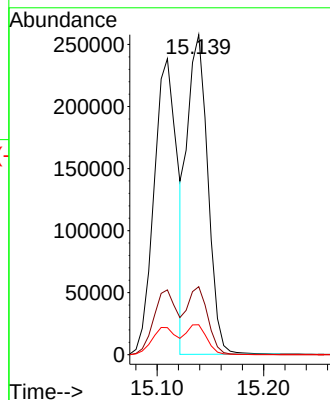
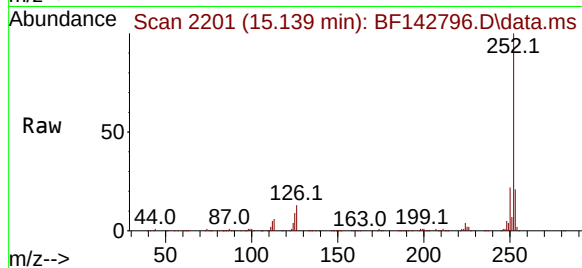
Tgt Ion:252 Resp: 347044

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

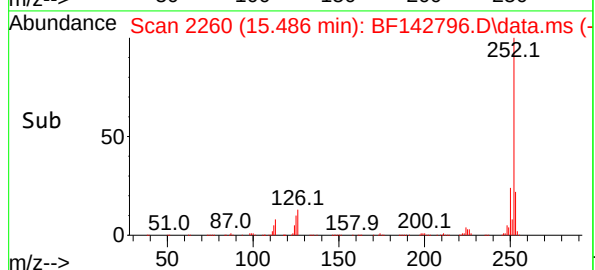
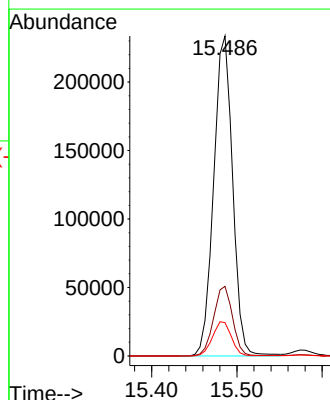
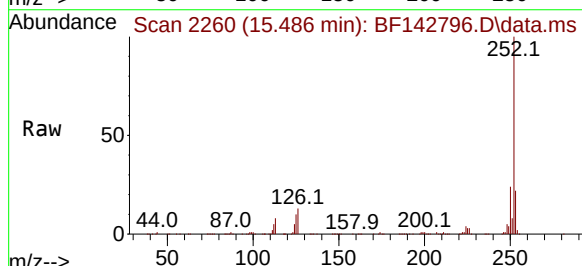
Tgt Ion:252 Resp: 361077

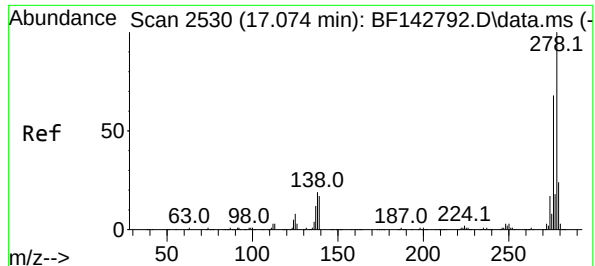
Ion Ratio Lower Upper

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

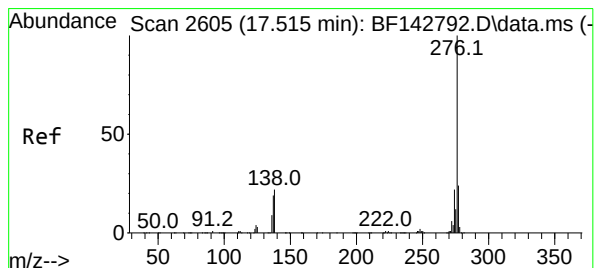
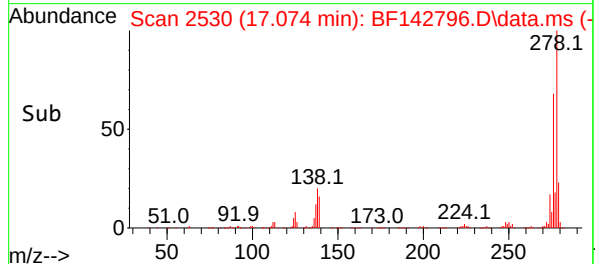
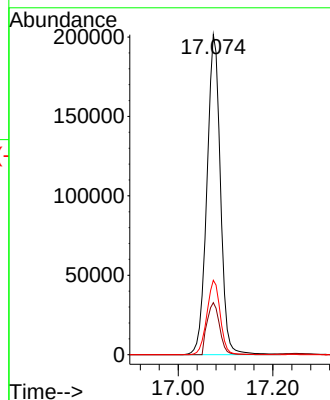
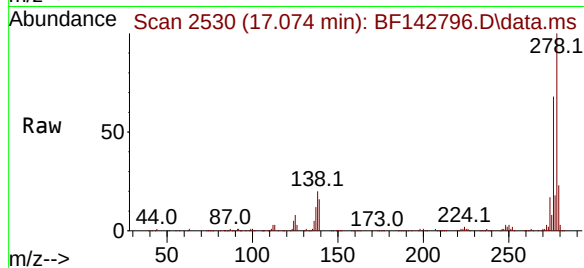
Tgt Ion:278 Resp: 399293

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

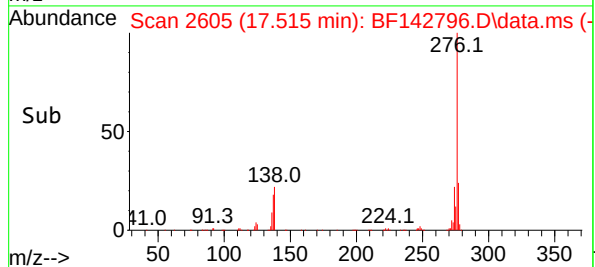
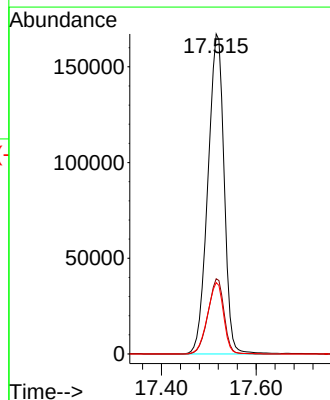
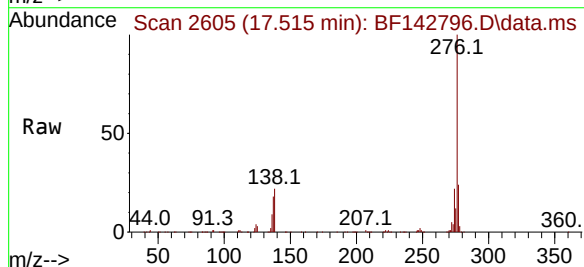
Tgt Ion:276 Resp: 397566

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
 Operator : RC/JU
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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	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: UNIO02

Lab Code: CHEM Case No.: Q2393 SAS No.: Q2393 SDG No.: Q2393

Instrument ID: BNA_F Calibration Date/Time: 06/24/2025 10:16

Lab File ID: BF142811.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	1.291		7.5	
Benzaldehyde	0.841	0.794		-5.6	
Phenol-d6	1.417	1.525		7.6	
Phenol	1.575	1.704		8.2	20.0
bis(2-Chloroethyl)ether	1.126	1.218		8.2	
2-Chlorophenol	1.296	1.398		7.9	
2-Methylphenol	0.982	1.064		8.4	
2,2-oxybis(1-Chloropropane)	1.809	1.882		4.0	
Acetophenone	0.441	0.464		5.2	
3+4-Methylphenols	1.224	1.330		8.7	
n-Nitroso-di-n-propylamine	0.824	0.878	0.050	6.6	
Nitrobenzene-d5	0.365	0.392		7.4	
Hexachloroethane	0.511	0.538		5.3	
Nitrobenzene	0.330	0.354		7.3	
Isophorone	0.585	0.629		7.5	
2-Nitrophenol	0.180	0.200		11.1	20.0
2,4-Dimethylphenol	0.311	0.334		7.4	
bis(2-Chloroethoxy)methane	0.372	0.395		6.2	
2,4-Dichlorophenol	0.282	0.303		7.4	20.0
Naphthalene	0.979	1.037		5.9	
4-Chloroaniline	0.398	0.430		8.0	
Hexachlorobutadiene	0.190	0.198		4.2	20.0
Caprolactam	0.075	0.089		18.7	
4-Chloro-3-methylphenol	0.281	0.306		8.9	20.0
2-Methylnaphthalene	0.607	0.642		5.8	
Hexachlorocyclopentadiene	0.335	0.363	0.050	8.4	
2,4,6-Trichlorophenol	0.385	0.402		4.4	20.0
2-Fluorobiphenyl	1.522	1.513		-0.6	
2,4,5-Trichlorophenol	0.405	0.431		6.4	
1,1-Biphenyl	1.580	1.627		3.0	
2-Chloronaphthalene	1.186	1.226		3.4	
2-Nitroaniline	0.332	0.365		9.9	
Dimethylphthalate	1.295	1.370		5.8	
Acenaphthylene	1.952	2.032		4.1	
2,6-Dinitrotoluene	0.284	0.307		8.1	
3-Nitroaniline	0.313	0.349		11.5	
Acenaphthene	1.191	1.256		5.5	20.0
2,4-Dinitrophenol	0.142	0.166	0.050	16.9	
4-Nitrophenol	0.214	0.246	0.050	15.0	



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Fax : 908 789 8922

7C

SEMIVOLATILE CONTINUING CALIBRATION CHECK

Lab Name: CHEMTECH Contract: UNIO02

Lab Code: CHEM Case No.: Q2393 SAS No.: Q2393 SDG No.: Q2393

Instrument ID: BNA_F Calibration Date/Time: 06/24/2025 10:16

Lab File ID: BF142811.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	1.783		4.4	
2,4-Dinitrotoluene	0.378	0.420		11.1	
Diethylphthalate	1.269	1.361		7.3	
4-Chlorophenyl-phenylether	0.636	0.648		1.9	
Fluorene	1.334	1.373		2.9	
4-Nitroaniline	0.286	0.329		15.0	
4,6-Dinitro-2-methylphenol	0.121	0.138		14.1	
n-Nitrosodiphenylamine	0.693	0.711		2.6	20.0
2,4,6-Tribromophenol	0.206	0.220		6.8	
4-Bromophenyl-phenylether	0.228	0.240		5.3	
Hexachlorobenzene	0.253	0.264		4.3	
Atrazine	0.179	0.199		11.2	
Pentachlorophenol	0.126	0.142		12.7	20.0
Phenanthrene	1.083	1.122		3.6	
Anthracene	1.111	1.145		3.1	
Carbazole	0.959	1.009		5.2	
Di-n-butylphthalate	0.999	1.075		7.6	
Fluoranthene	1.028	1.044		1.6	20.0
Pyrene	1.875	1.902		1.4	
Terphenyl-d14	1.447	1.406		-2.8	
Butylbenzylphthalate	0.544	0.587		7.9	
3,3-Dichlorobenzidine	0.438	0.472		7.8	
Benzo (a) anthracene	1.349	1.414		4.8	
Chrysene	1.204	1.284		6.6	
Bis(2-ethylhexyl)phthalate	0.782	0.826		5.6	
Di-n-octyl phthalate	1.475	1.519		3.0	20.0
Benzo (b) fluoranthene	1.157	1.271		9.9	
Benzo (k) fluoranthene	1.083	1.127		4.1	
Benzo (a) pyrene	1.118	1.198		7.2	20.0
Indeno (1,2,3-cd) pyrene	1.523	1.575		3.4	
Dibenzo (a,h) anthracene	1.238	1.269		2.5	
Benzo (g,h,i) perylene	1.234	1.268		2.8	
1,2,4,5-Tetrachlorobenzene	0.590	0.606		2.7	
1,4-Dioxane	0.480	0.520		8.3	20.0
2,3,4,6-Tetrachlorophenol	0.326	0.344		5.5	

All other compounds must meet a minimum RRF of 0.010.

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF062425\
 Data File : BF142811.D
 Acq On : 24 Jun 2025 10:16
 Operator : RC/JU
 Sample : SSTDCCC040
 Misc :
 ALS Vial : 2 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 SSTDCCC040

Quant Time: Jun 24 11:38:54 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	6.880	152	88364	20.000	ng	0.00
21) Naphthalene-d8	8.163	136	335549	20.000	ng	0.00
39) Acenaphthene-d10	9.921	164	179366	20.000	ng	0.00
64) Phenanthrene-d10	11.410	188	300319	20.000	ng	0.00
76) Chrysene-d12	14.056	240	163667	20.000	ng	0.00
86) Perylene-d12	15.545	264	187854	20.000	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.492	112	456296	85.974	ng	0.00
7) Phenol-d6	6.510	99	538916	86.066	ng	0.00
23) Nitrobenzene-d5	7.445	82	526395	86.048	ng	0.00
42) 2,4,6-Tribromophenol	10.716	330	157486	85.321	ng	0.00
45) 2-Fluorobiphenyl	9.239	172	1085224	79.482	ng	0.00
79) Terphenyl-d14	12.998	244	920683	77.725	ng	0.00
Target Compounds						
						Qvalue
2) 1,4-Dioxane	2.645	88	91957	43.318	ng	99
3) Pyridine	3.410	79	231793	43.555	ng	99
4) n-Nitrosodimethylamine	3.369	42	117601	42.733	ng	95
6) Aniline	6.545	93	363367	43.612	ng	100
8) 2-Chlorophenol	6.663	128	247103	43.161	ng	99
9) Benzaldehyde	6.433	77	140403	37.794	ng	99
10) Phenol	6.528	94	301098	43.259	ng	93
11) bis(2-Chloroethyl)ether	6.616	93	215204	43.260	ng	99
12) 1,3-Dichlorobenzene	6.822	146	271215	42.358	ng	99
13) 1,4-Dichlorobenzene	6.898	146	274224	42.449	ng	99
14) 1,2-Dichlorobenzene	7.051	146	260103	42.450	ng	99
15) Benzyl Alcohol	7.022	79	198970	43.954	ng	99
16) 2,2'-oxybis(1-Chloropr...	7.157	45	332544	41.607	ng	99
17) 2-Methylphenol	7.133	107	188101	43.355	ng	99
18) Hexachloroethane	7.392	117	95048	42.065	ng	97
19) n-Nitroso-di-n-propyla...	7.292	70	155120	42.594	ng	100
20) 3+4-Methylphenols	7.286	107	235113	43.463	ng	97
22) Acetophenone	7.292	105	311257	42.065	ng	99
24) Nitrobenzene	7.469	77	237487	42.892	ng	97
25) Isophorone	7.704	82	422145	43.017	ng	100
26) 2-Nitrophenol	7.780	139	133998	44.426	ng	99
27) 2,4-Dimethylphenol	7.816	122	224066	42.887	ng	99
28) bis(2-Chloroethoxy)met...	7.916	93	265061	42.485	ng	99
29) 2,4-Dichlorophenol	8.022	162	203381	42.933	ng	99
30) 1,2,4-Trichlorobenzene	8.104	180	218035	41.857	ng	100
31) Naphthalene	8.186	128	696192	42.387	ng	99
32) Benzoic acid	7.933	122	126992	47.690	ng	97
33) 4-Chloroaniline	8.233	127	288786	43.241	ng	100
34) Hexachlorobutadiene	8.304	225	132733	41.657	ng	99
35) Caprolactam	8.610	113	59758	47.805	ng	97
36) 4-Chloro-3-methylphenol	8.716	107	205152	43.575	ng	100
37) 2-Methylnaphthalene	8.880	142	430600	42.288	ng	100
38) 1-Methylnaphthalene	8.980	142	449219	42.617	ng	100
40) 1,2,4,5-Tetrachloroben...	9.045	216	217242	41.047	ng	99
41) Hexachlorocyclopentadiene	9.033	237	130125	43.326	ng	98
43) 2,4,6-Trichlorophenol	9.157	196	144284	41.837	ng	100

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF062425\
 Data File : BF142811.D
 Acq On : 24 Jun 2025 10:16
 Operator : RC/JU
 Sample : SSTDCCC040
 Misc :
 ALS Vial : 2 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 SSTDCCC040

Quant Time: Jun 24 11:38:54 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

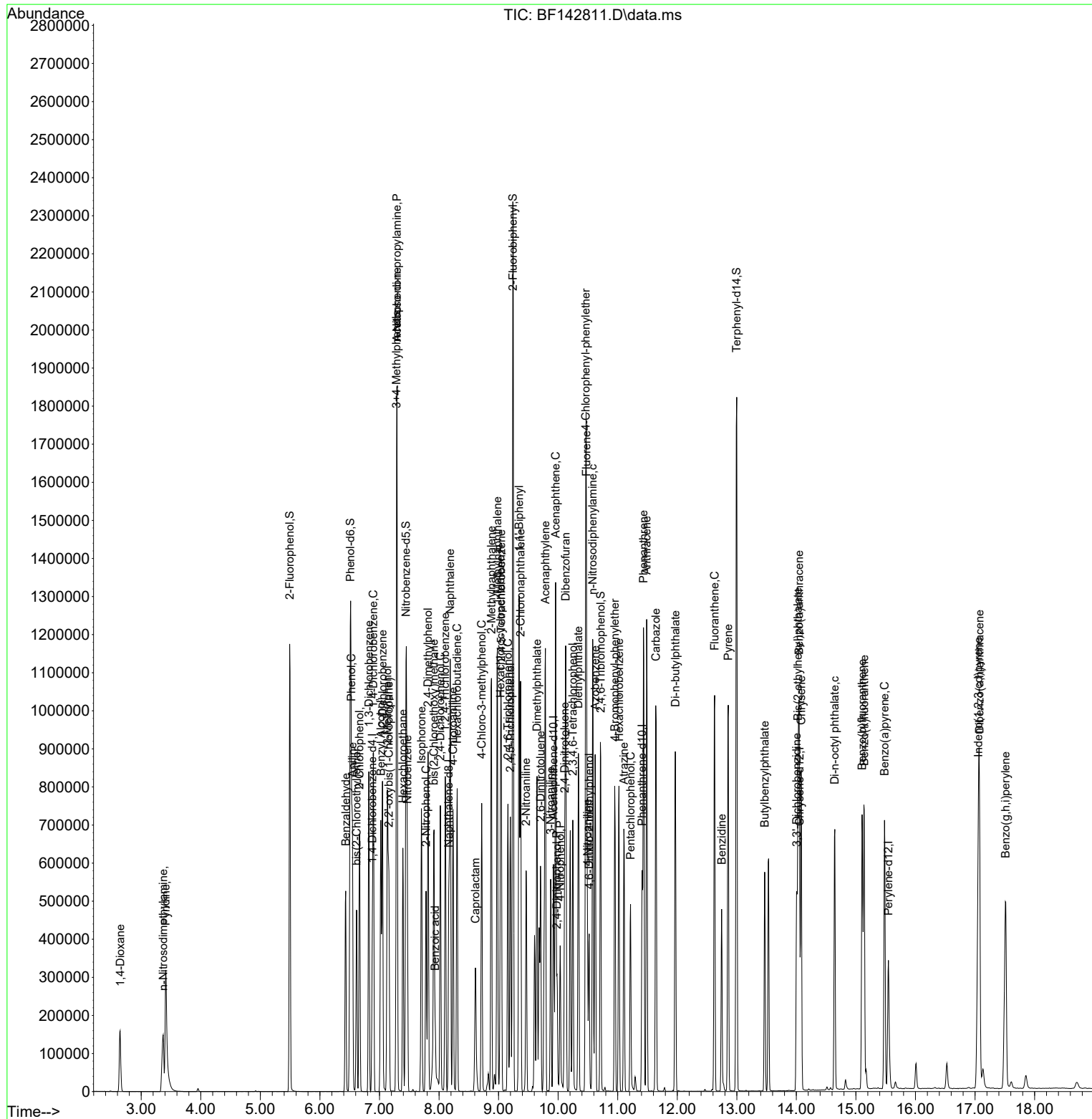
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
44) 2,4,5-Trichlorophenol	9.198	196	154645	42.597	ng	99
46) 1,1'-Biphenyl	9.345	154	583765	41.200	ng	100
47) 2-Chloronaphthalene	9.369	162	439850	41.367	ng	100
48) 2-Nitroaniline	9.463	65	130885	43.907	ng	98
49) Acenaphthylene	9.786	152	729096	41.654	ng	100
50) Dimethylphthalate	9.645	163	491365	42.321	ng	100
51) 2,6-Dinitrotoluene	9.704	165	110024	43.151	ng	99
52) Acenaphthene	9.957	154	450566	42.190	ng	100
53) 3-Nitroaniline	9.874	138	125282	44.627	ng	99
54) 2,4-Dinitrophenol	9.980	184	59614	46.693	ng	98
55) Dibenzofuran	10.127	168	639543	41.762	ng	100
56) 4-Nitrophenol	10.033	139	88318	45.954	ng	98
57) 2,4-Dinitrotoluene	10.110	165	150754	44.512	ng	99
58) Fluorene	10.474	166	492361	41.167	ng	99
59) 2,3,4,6-Tetrachlorophenol	10.245	232	123461	42.190	ng	99
60) Diethylphthalate	10.339	149	488058	42.873	ng	100
61) 4-Chlorophenyl-phenyle...	10.463	204	232566	40.750	ng	99
62) 4-Nitroaniline	10.492	138	118100	45.998	ng	98
63) Azobenzene	10.621	77	425881	41.858	ng	99
65) 4,6-Dinitro-2-methylph...	10.521	198	82988	45.685	ng	99
66) n-Nitrosodiphenylamine	10.580	169	427020	41.027	ng	99
67) 4-Bromophenyl-phenylether	10.951	248	144032	42.140	ng	96
68) Hexachlorobenzene	11.021	284	158667	41.778	ng	98
69) Atrazine	11.104	200	119790	44.569	ng	98
70) Pentachlorophenol	11.215	266	85215	45.028	ng	99
71) Phenanthrene	11.433	178	673912	41.425	ng	99
72) Anthracene	11.486	178	687776	41.222	ng	100
73) Carbazole	11.639	167	605919	42.083	ng	100
74) Di-n-butylphthalate	11.968	149	645750	43.052	ng	100
75) Fluoranthene	12.627	202	627298	40.630	ng	100
77) Benzidine	12.745	184	263874	42.912	ng	99
78) Pyrene	12.857	202	622546	40.580	ng	100
80) Butylbenzylphthalate	13.468	149	192178	43.185	ng	99
81) Benzo(a)anthracene	14.045	228	462690	41.906	ng	100
82) 3,3'-Dichlorobenzidine	14.004	252	154551	43.156	ng	99
83) Chrysene	14.080	228	420140	42.644	ng	100
84) Bis(2-ethylhexyl)phtha...	14.027	149	270514	42.250	ng	99
85) Di-n-octyl phthalate	14.645	149	497177	41.181	ng	99
87) Indeno(1,2,3-cd)pyrene	17.056	276	591613	41.346	ng	99
88) Benzo(b)fluoranthene	15.103	252	477548	43.932	ng	100
89) Benzo(k)fluoranthene	15.139	252	423530	41.646	ng	100
90) Benzo(a)pyrene	15.480	252	450041	42.856	ng	99
91) Dibenzo(a,h)anthracene	17.074	278	476750	41.007	ng	99
92) Benzo(g,h,i)perylene	17.515	276	476423	41.096	ng	100

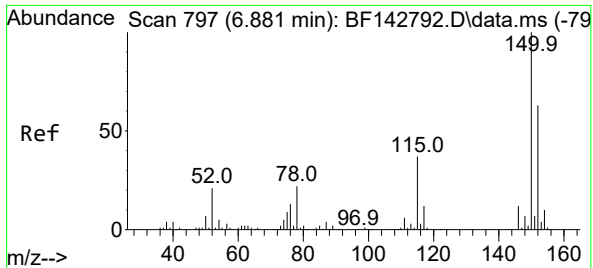
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Data File : BF142811.D
Acq On : 24 Jun 2025 10:16
Operator : RC/JU
Sample : SSTDCCC040
Misc :
ALS Vial : 2 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
SSTDCCC040

Quant Time: Jun 24 11:38:54 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

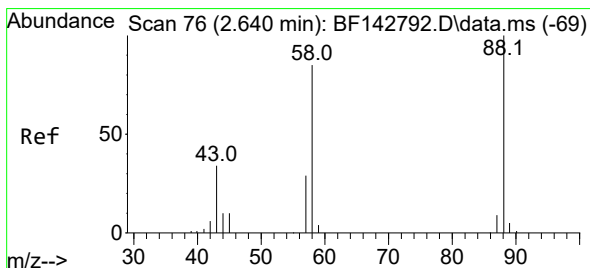
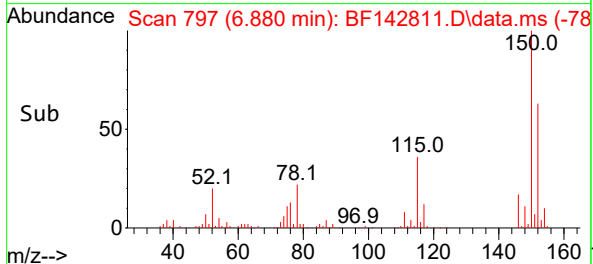
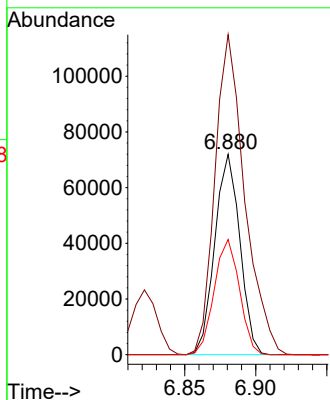
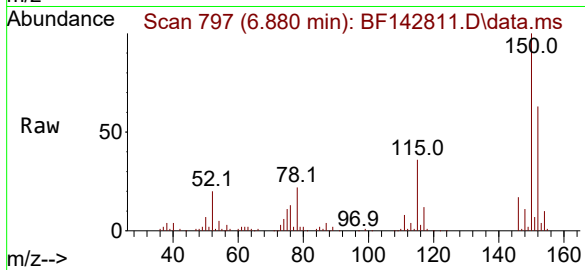




#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.880 min Scan# 79
Delta R.T. -0.001 min
Lab File: BF142811.D
Acq: 24 Jun 2025 10:16

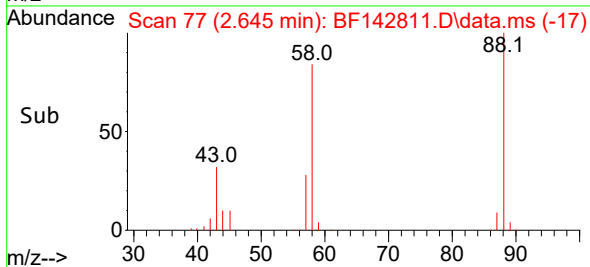
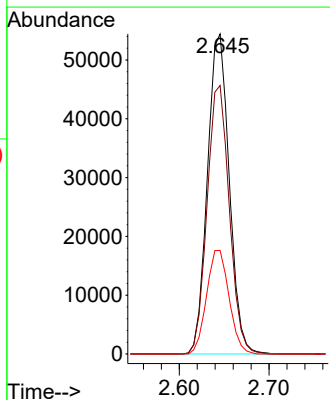
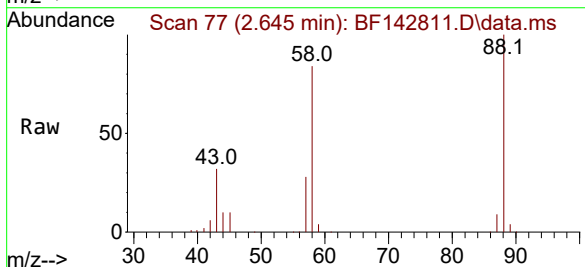
Instrument :
BNA_F
ClientSampleId :
SSTDCCC040

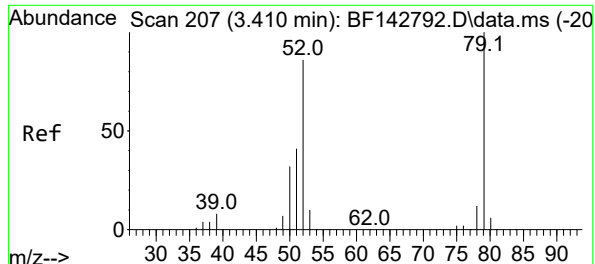
Tgt Ion:152 Resp: 88364
Ion Ratio Lower Upper
152 100
150 159.7 127.2 190.8
115 57.5 46.6 69.8



#2
1,4-Dioxane
Concen: 43.318 ng
RT: 2.645 min Scan# 77
Delta R.T. 0.006 min
Lab File: BF142811.D
Acq: 24 Jun 2025 10:16

Tgt Ion: 88 Resp: 91957
Ion Ratio Lower Upper
88 100
58 85.3 69.1 103.7
43 33.3 27.4 41.2

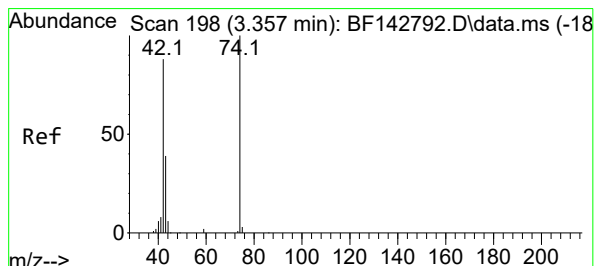
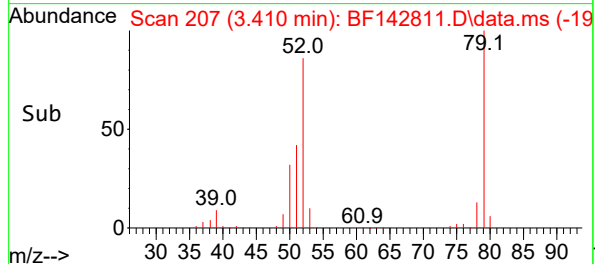
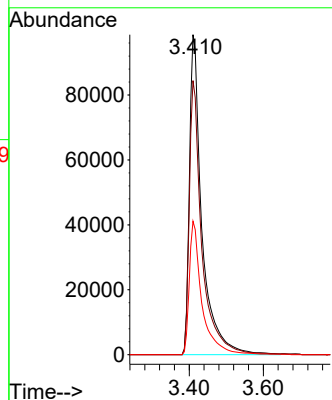
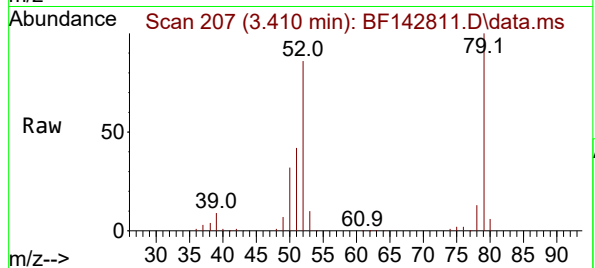




#3
Pyridine
Concen: 43.555 ng
RT: 3.410 min Scan# 207
Delta R.T. -0.000 min
Lab File: BF142811.D
Acq: 24 Jun 2025 10:16

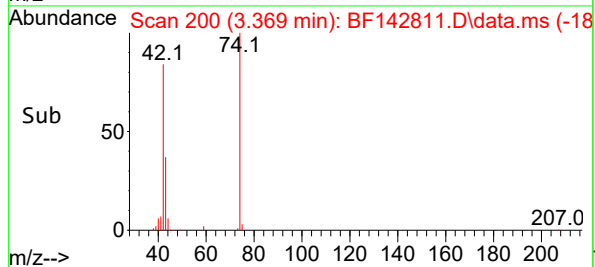
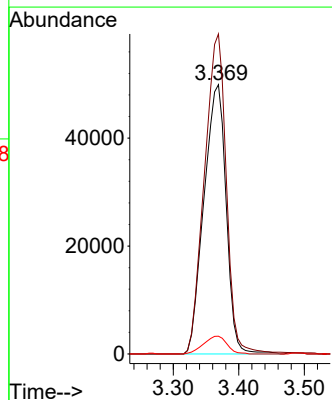
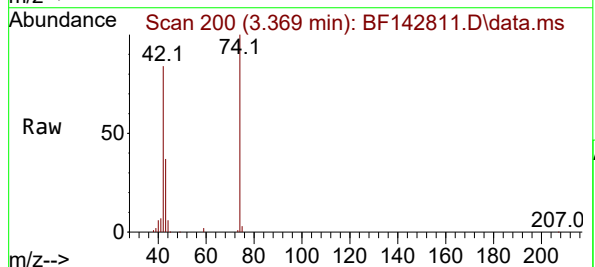
Instrument :
BNA_F
ClientSampleId :
SSTDCCC040

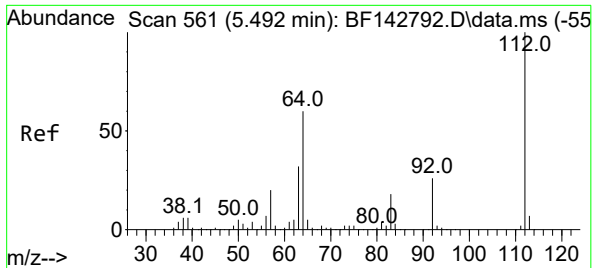
Tgt Ion: 79 Resp: 231793
Ion Ratio Lower Upper
79 100
52 85.6 69.2 103.8
51 41.7 33.2 49.8



#4
n-Nitrosodimethylamine
Concen: 42.733 ng
RT: 3.369 min Scan# 200
Delta R.T. 0.012 min
Lab File: BF142811.D
Acq: 24 Jun 2025 10:16

Tgt Ion: 42 Resp: 117601
Ion Ratio Lower Upper
42 100
74 118.9 90.9 136.3
44 6.6 5.8 8.6

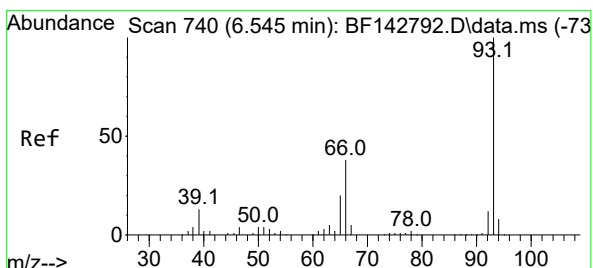
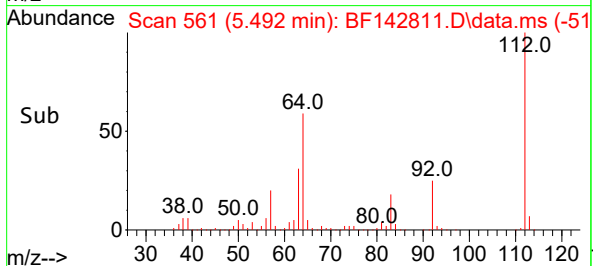
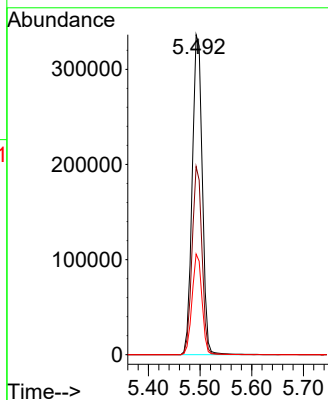
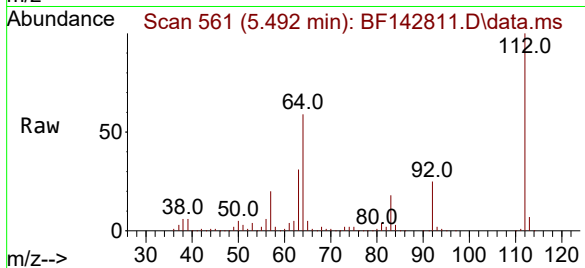




#5
2-Fluorophenol
Concen: 85.974 ng
RT: 5.492 min Scan# 50
Delta R.T. 0.000 min
Lab File: BF142811.D
Acq: 24 Jun 2025 10:16

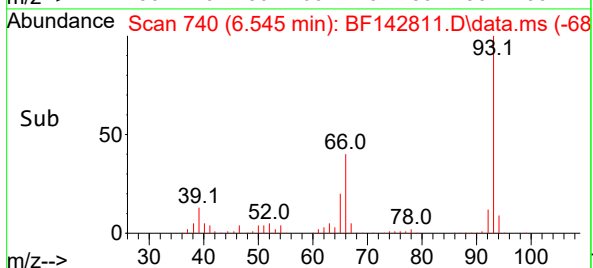
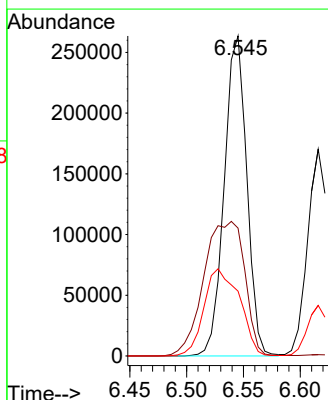
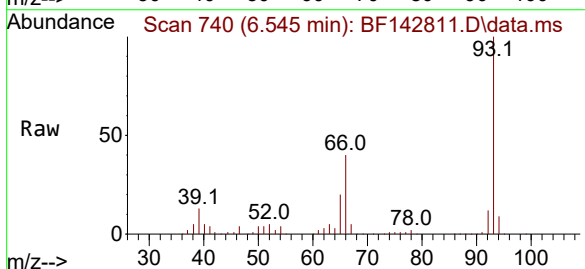
Instrument :
BNA_F
ClientSampleId :
SSTDCCC040

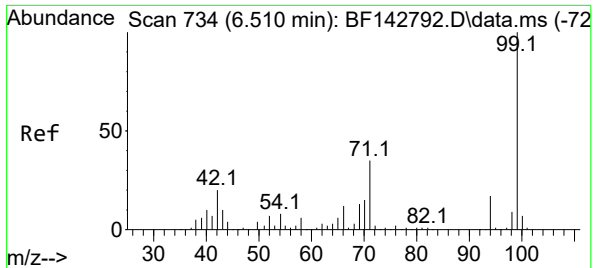
Tgt Ion:112 Resp: 456296
Ion Ratio Lower Upper
112 100
64 58.8 48.2 72.2
63 31.5 25.7 38.5



#6
Aniline
Concen: 43.612 ng
RT: 6.545 min Scan# 740
Delta R.T. -0.000 min
Lab File: BF142811.D
Acq: 24 Jun 2025 10:16

Tgt Ion: 93 Resp: 363367
Ion Ratio Lower Upper
93 100
66 40.0 31.8 47.6
65 20.3 16.2 24.2

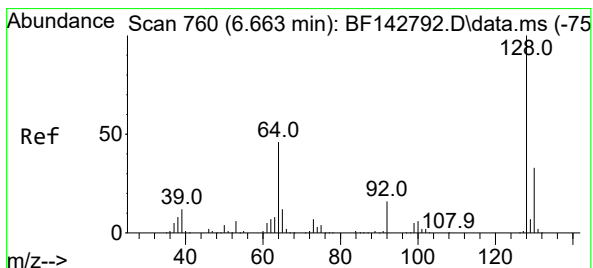
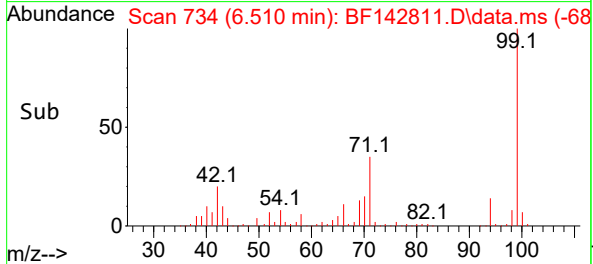
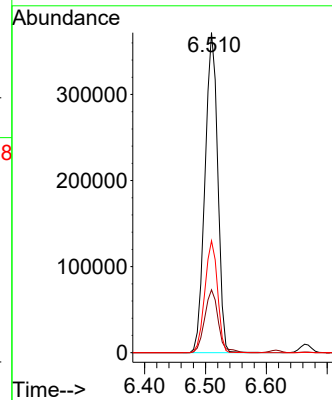
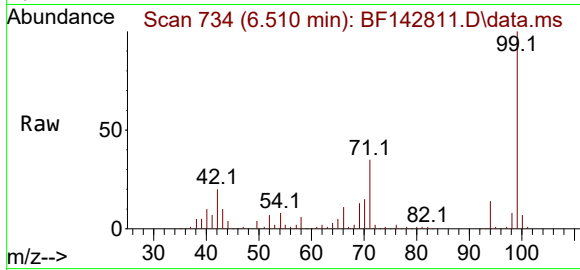




#7
Phenol-d6
Concen: 86.066 ng
RT: 6.510 min Scan# 711
Delta R.T. -0.000 min
Lab File: BF142811.D
Acq: 24 Jun 2025 10:16

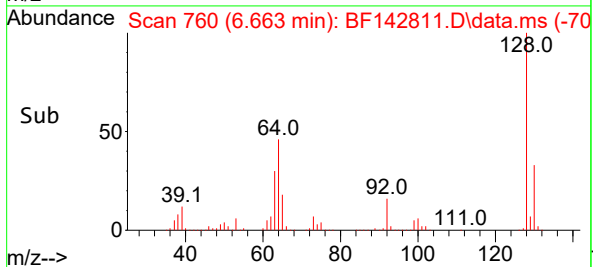
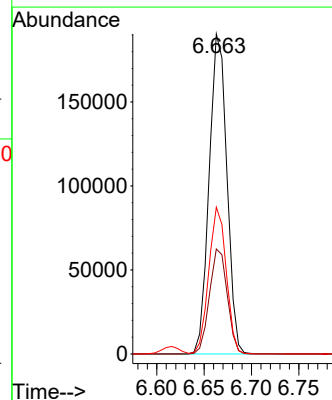
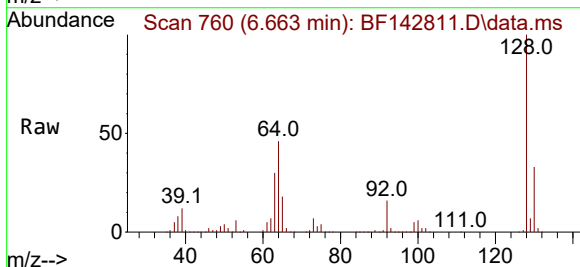
Instrument :
BNA_F
ClientSampleId :
SSTDCCC040

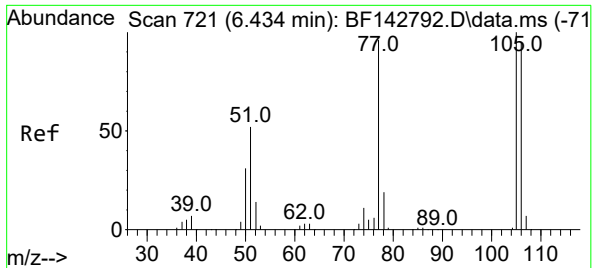
Tgt Ion: 99 Resp: 538916
Ion Ratio Lower Upper
99 100
42 19.6 15.9 23.9
71 35.0 27.8 41.8



#8
2-Chlorophenol
Concen: 43.161 ng
RT: 6.663 min Scan# 760
Delta R.T. -0.000 min
Lab File: BF142811.D
Acq: 24 Jun 2025 10:16

Tgt Ion: 128 Resp: 247103
Ion Ratio Lower Upper
128 100
130 32.8 12.7 52.7
64 45.9 26.5 66.5

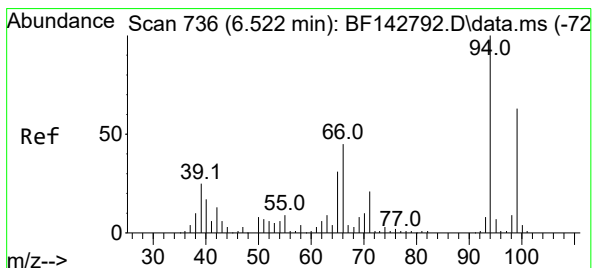
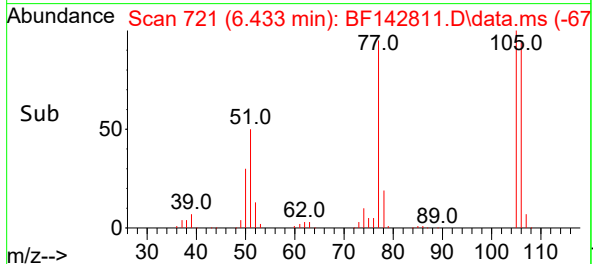
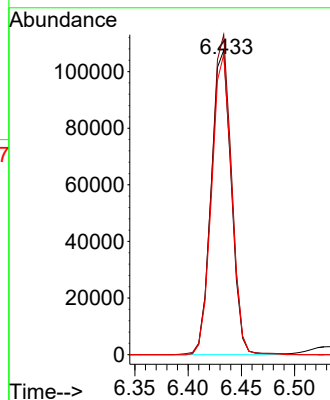
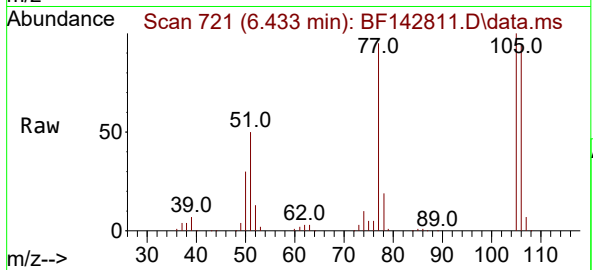




#9
Benzaldehyde
Concen: 37.794 ng
RT: 6.433 min Scan# 71
Delta R.T. -0.001 min
Lab File: BF142811.D
Acq: 24 Jun 2025 10:16

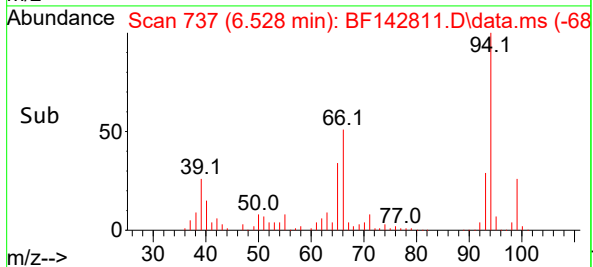
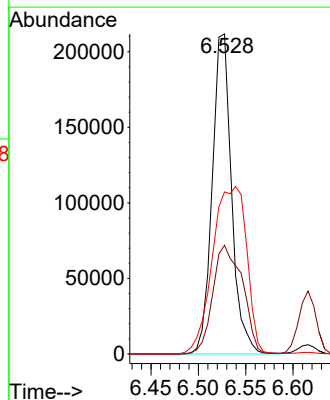
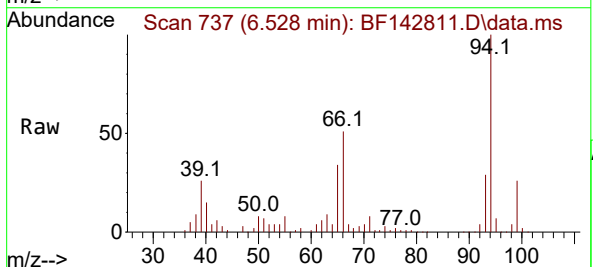
Instrument :
BNA_F
ClientSampleId :
SSTDCCC040

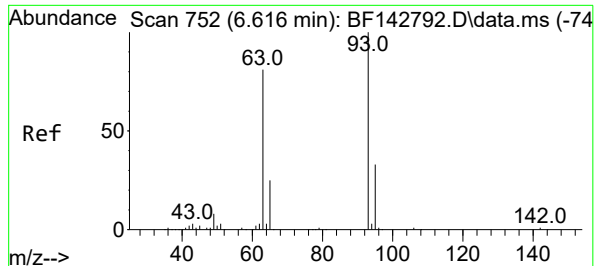
Tgt Ion: 77 Resp: 140403
Ion Ratio Lower Upper
77 100
105 105.2 83.8 123.8
106 98.6 78.7 118.7



#10
Phenol
Concen: 43.259 ng
RT: 6.528 min Scan# 737
Delta R.T. 0.006 min
Lab File: BF142811.D
Acq: 24 Jun 2025 10:16

Tgt Ion: 94 Resp: 301098
Ion Ratio Lower Upper
94 100
65 33.9 11.3 51.3
66 50.7 24.9 64.9

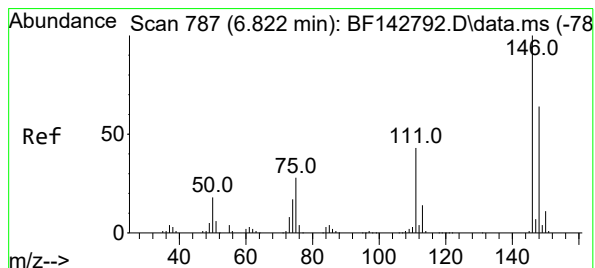
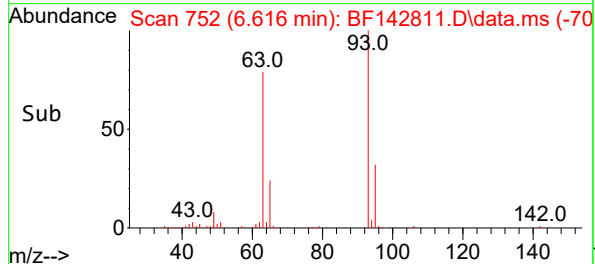
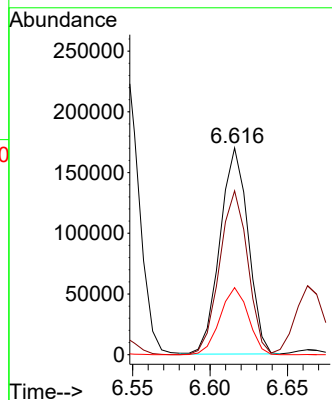
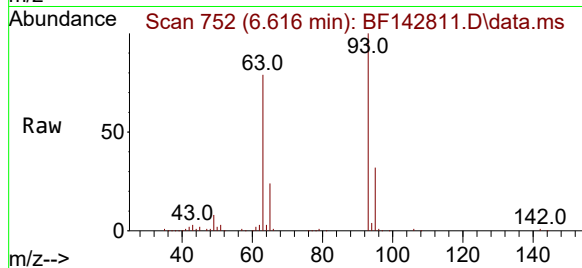




#11
bis(2-Chloroethyl)ether
Concen: 43.260 ng
RT: 6.616 min Scan# 752
Delta R.T. -0.000 min
Lab File: BF142811.D
Acq: 24 Jun 2025 10:16

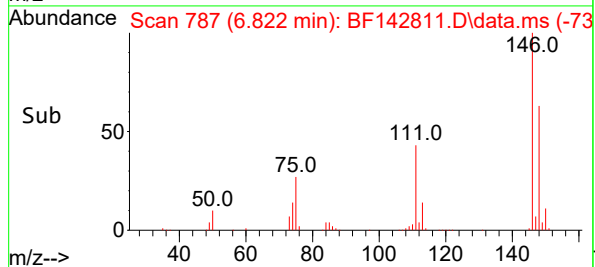
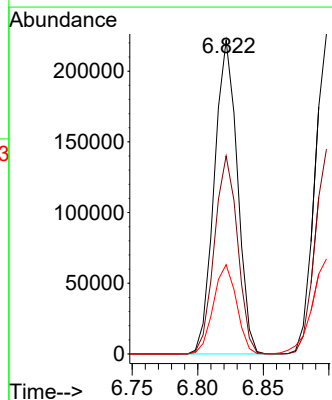
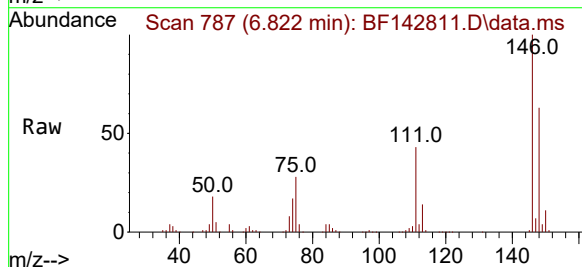
Instrument :
BNA_F
ClientSampleId :
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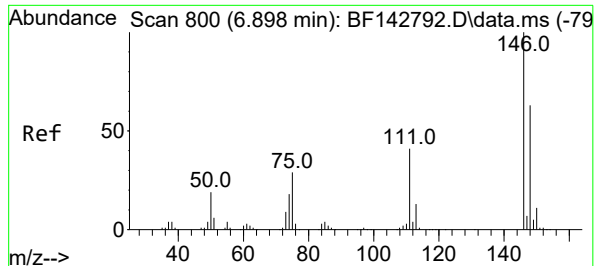
Tgt Ion: 93 Resp: 215204
Ion Ratio Lower Upper
93 100
63 79.3 60.3 100.3
95 32.4 12.5 52.5



#12
1,3-Dichlorobenzene
Concen: 42.358 ng
RT: 6.822 min Scan# 787
Delta R.T. -0.000 min
Lab File: BF142811.D
Acq: 24 Jun 2025 10:16

Tgt Ion:146 Resp: 271215
Ion Ratio Lower Upper
146 100
148 63.2 51.1 76.7
75 28.5 22.7 34.1





#13

1,4-Dichlorobenzene

Concen: 42.449 ng

RT: 6.898 min Scan# 800

Delta R.T. -0.000 min

Lab File: BF142811.D

Acq: 24 Jun 2025 10:16

Instrument :

BNA_F

ClientSampleId :

SSTDCCC040

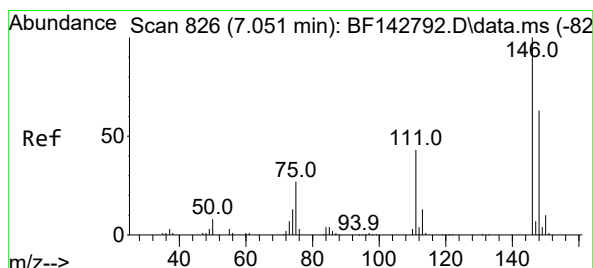
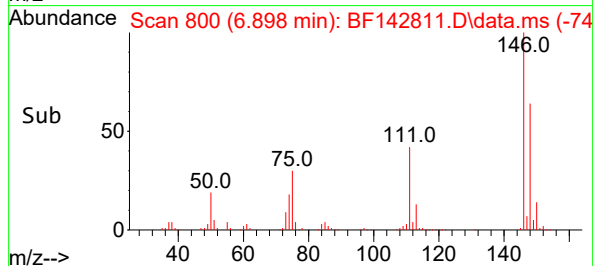
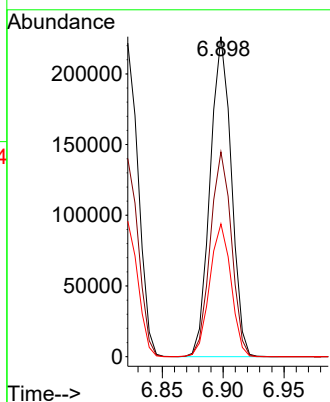
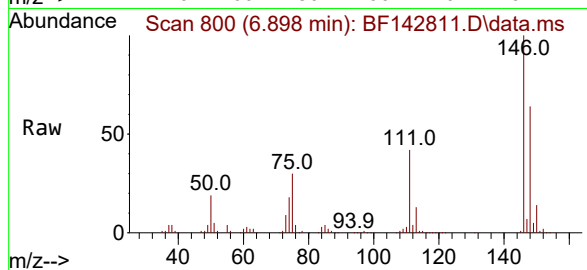
Tgt Ion:146 Resp: 274224

Ion Ratio Lower Upper

146 100

148 64.0 50.2 75.2

111 41.5 33.2 49.8



#14

1,2-Dichlorobenzene

Concen: 42.450 ng

RT: 7.051 min Scan# 826

Delta R.T. -0.000 min

Lab File: BF142811.D

Acq: 24 Jun 2025 10:16

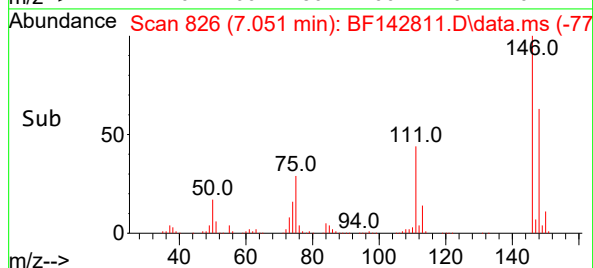
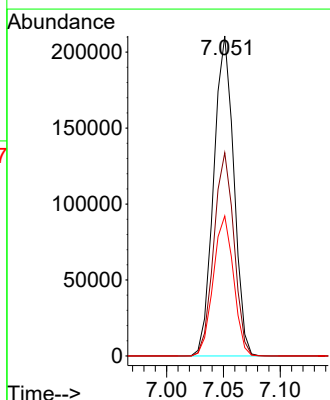
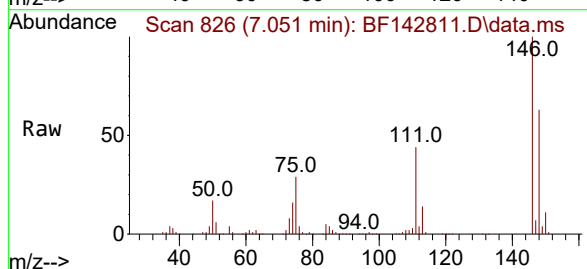
Tgt Ion:146 Resp: 260103

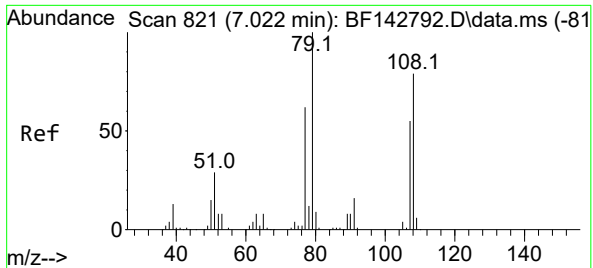
Ion Ratio Lower Upper

146 100

148 63.5 50.4 75.6

111 43.8 34.1 51.1





#15

Benzyl Alcohol

Concen: 43.954 ng

RT: 7.022 min Scan# 81

Delta R.T. -0.000 min

Lab File: BF142811.D

Acq: 24 Jun 2025 10:16

Instrument :

BNA_F

ClientSampleId :

SSTDCCC040

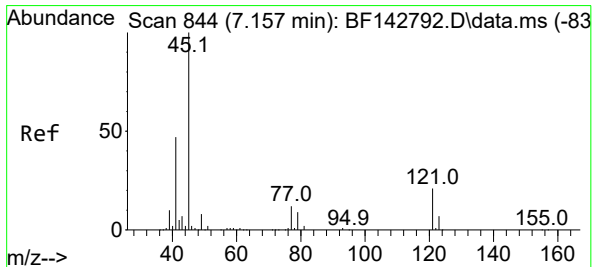
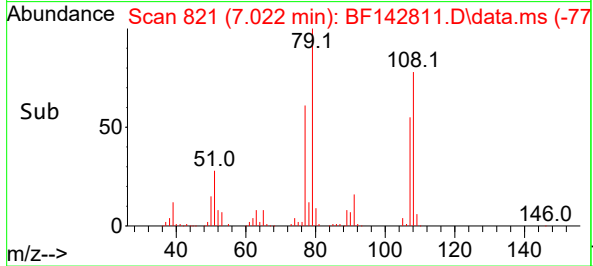
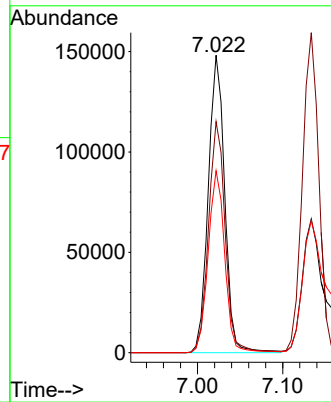
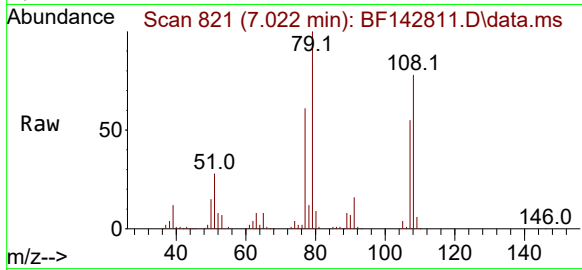
Tgt Ion: 79 Resp: 198970

Ion Ratio Lower Upper

79 100

108 77.7 63.4 95.0

77 61.2 49.5 74.3



#16

2,2'-oxybis(1-Chloropropane)

Concen: 41.607 ng

RT: 7.157 min Scan# 844

Delta R.T. -0.000 min

Lab File: BF142811.D

Acq: 24 Jun 2025 10:16

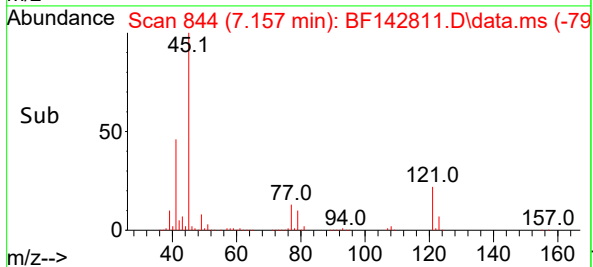
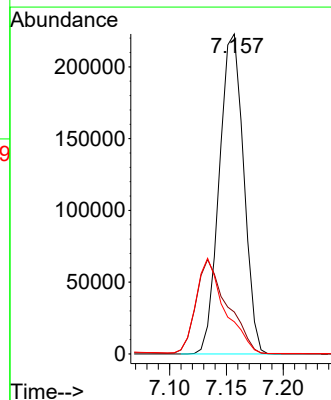
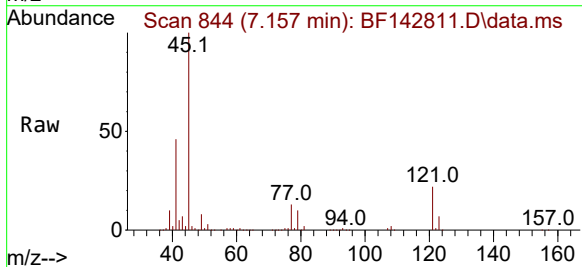
Tgt Ion: 45 Resp: 332544

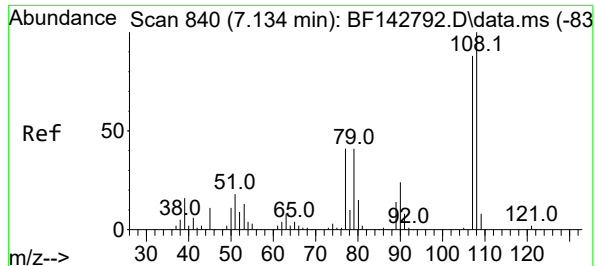
Ion Ratio Lower Upper

45 100

77 13.1 0.0 32.8

79 10.1 0.0 29.8

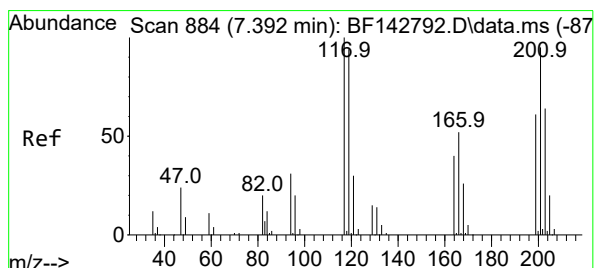
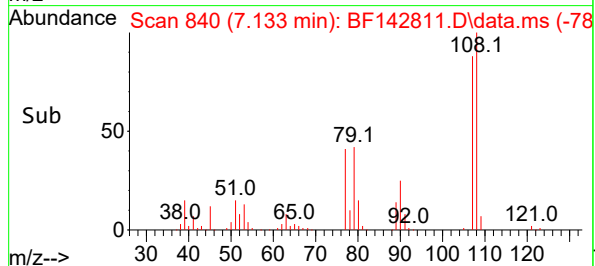
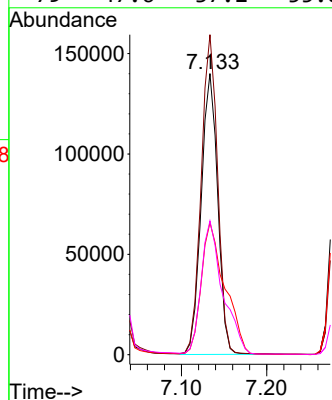
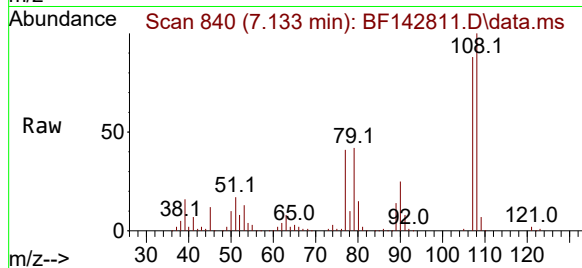




#17
2-Methylphenol
Concen: 43.355 ng
RT: 7.133 min Scan# 840
Delta R.T. -0.000 min
Lab File: BF142811.D
Acq: 24 Jun 2025 10:16

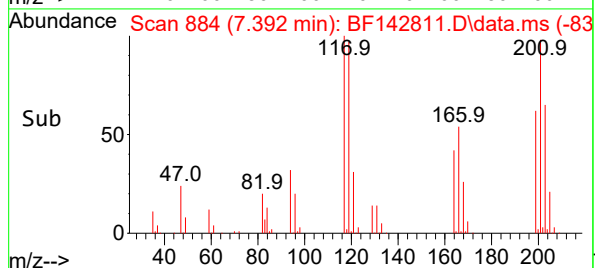
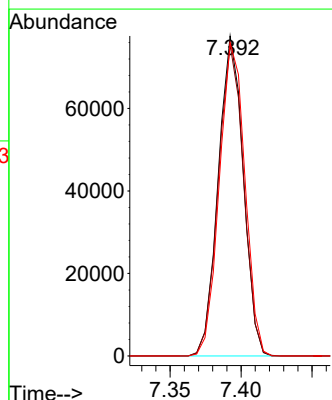
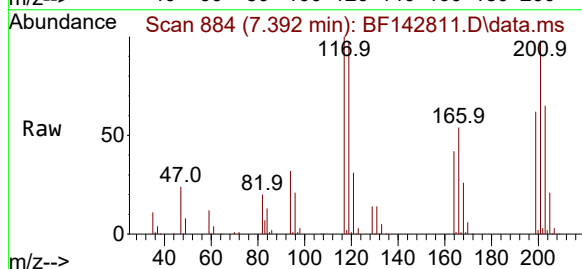
Instrument :
BNA_F
ClientSampleId :
SSTDCCC040

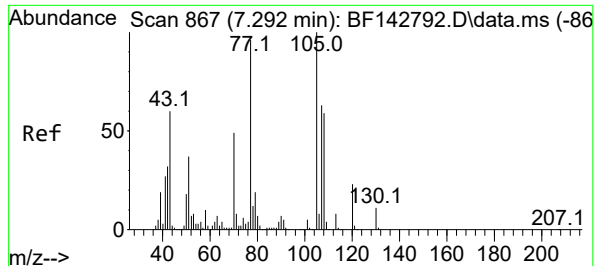
Tgt Ion:107 Resp: 188101
Ion Ratio Lower Upper
107 100
108 113.8 90.9 136.3
77 46.9 37.3 55.9
79 47.6 37.2 55.8



#18
Hexachloroethane
Concen: 42.065 ng
RT: 7.392 min Scan# 884
Delta R.T. -0.000 min
Lab File: BF142811.D
Acq: 24 Jun 2025 10:16

Tgt Ion:117 Resp: 95048
Ion Ratio Lower Upper
117 100
119 97.2 75.4 113.0
201 97.9 75.9 113.9





#19

n-Nitroso-di-n-propylamine

Concen: 42.594 ng

RT: 7.292 min Scan# 867

Delta R.T. -0.000 min

Lab File: BF142811.D

Acq: 24 Jun 2025 10:16

Instrument :

BNA_F

ClientSampleId :

SSTDCCC040

Tgt Ion: 70 Resp: 155120

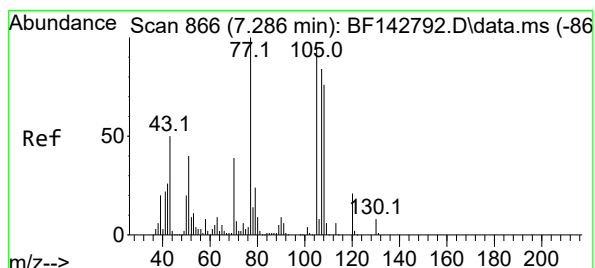
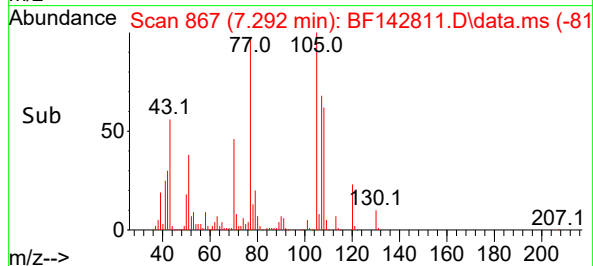
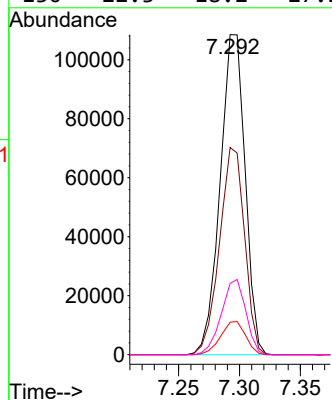
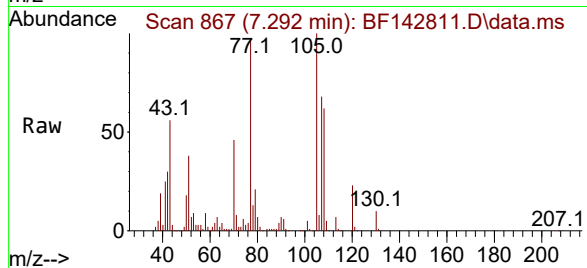
Ion Ratio Lower Upper

70 100

42 64.8 52.1 78.1

101 10.1 8.2 12.2

130 22.3 18.2 27.2



#20

3+4-Methylphenols

Concen: 43.463 ng

RT: 7.286 min Scan# 866

Delta R.T. -0.000 min

Lab File: BF142811.D

Acq: 24 Jun 2025 10:16

Tgt Ion:107 Resp: 235113

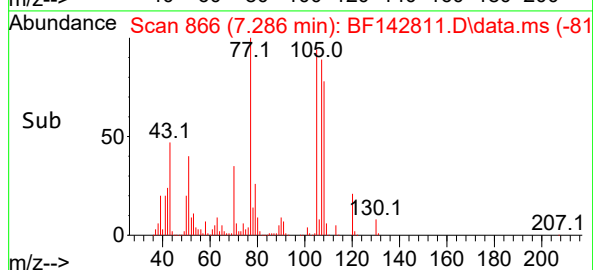
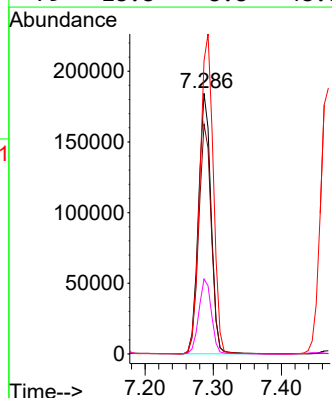
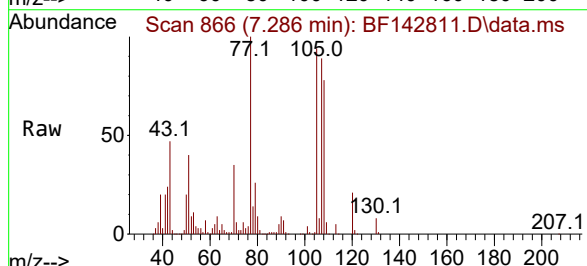
Ion Ratio Lower Upper

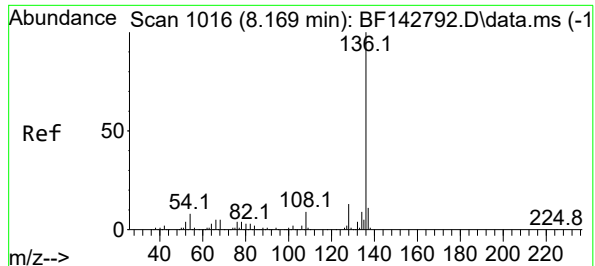
107 100

108 88.2 70.0 110.0

77 112.5 98.5 138.5

79 28.8 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: BF142811.D

Acq: 24 Jun 2025 10:16

Instrument :

BNA_F

ClientSampleId :

SSTDCCC040

Tgt Ion:136 Resp: 335549

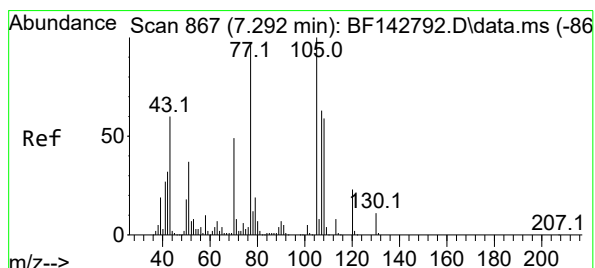
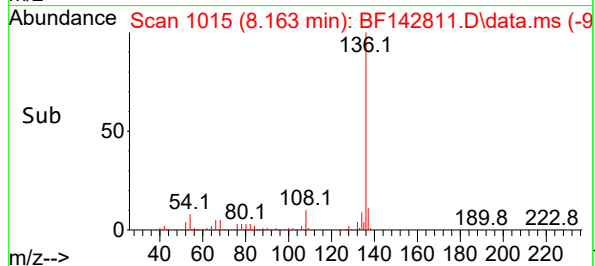
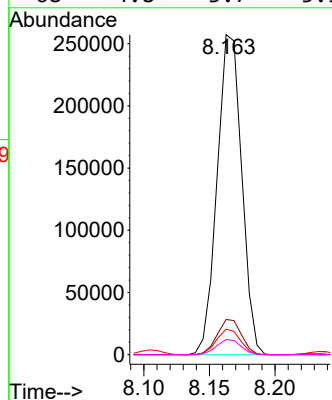
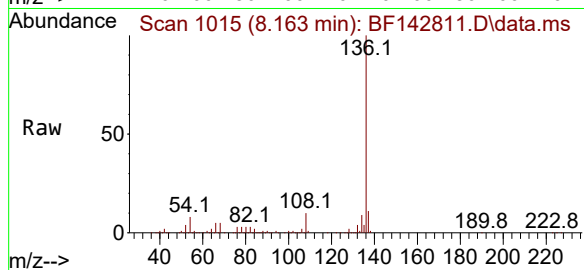
Ion Ratio Lower Upper

136 100

137 11.0 8.4 12.6

54 8.0 6.3 9.5

68 4.8 3.7 5.5



#22

Acetophenone

Concen: 42.065 ng

RT: 7.292 min Scan# 867

Delta R.T. -0.000 min

Lab File: BF142811.D

Acq: 24 Jun 2025 10:16

Tgt Ion:105 Resp: 311257

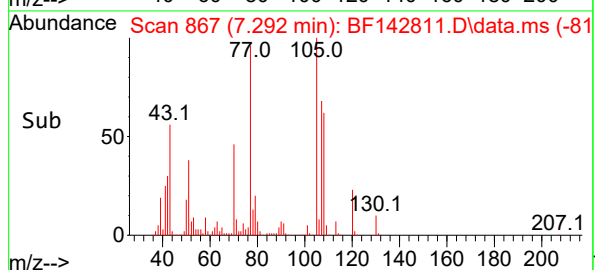
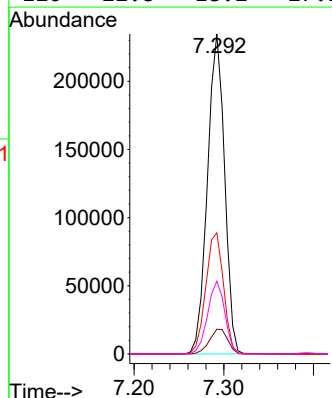
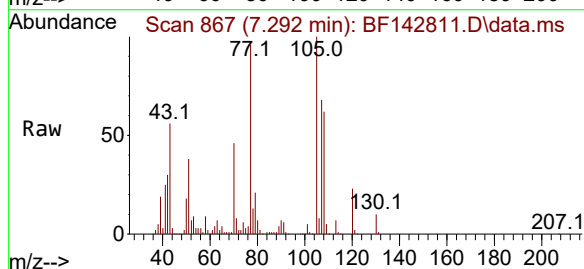
Ion Ratio Lower Upper

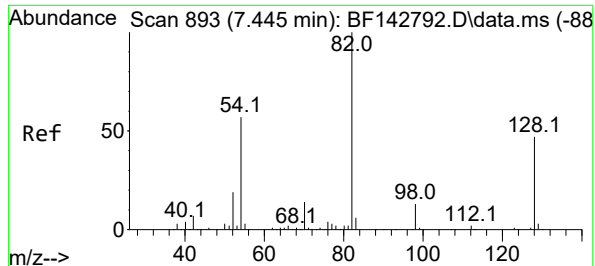
105 100

71 7.7 6.5 9.7

51 37.8 29.8 44.8

120 22.8 18.2 27.2





#23

Nitrobenzene-d5

Concen: 86.048 ng

RT: 7.445 min Scan# 893

Delta R.T. 0.000 min

Lab File: BF142811.D

Acq: 24 Jun 2025 10:16

Instrument :

BNA_F

ClientSampleId :

SSTDCCC040

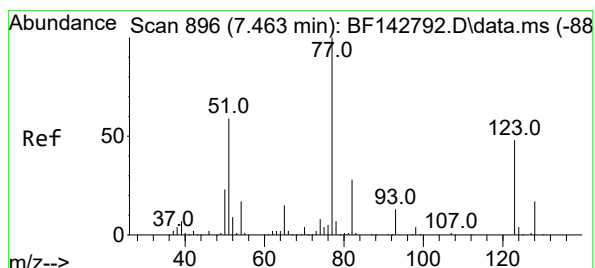
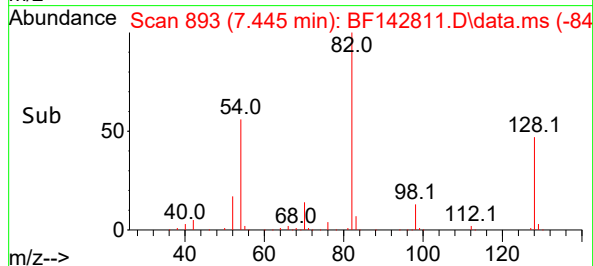
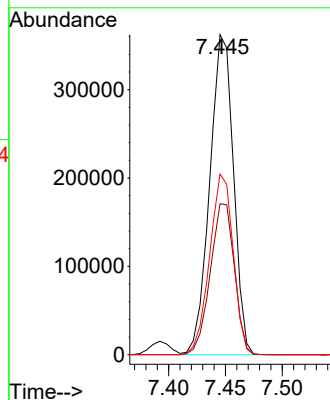
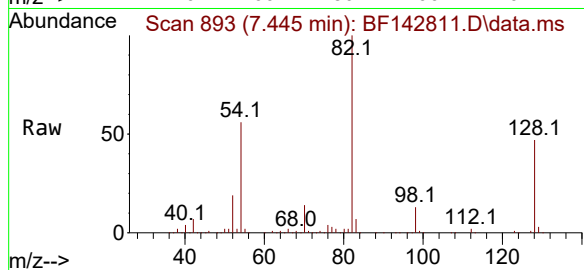
Tgt Ion: 82 Resp: 526395

Ion Ratio Lower Upper

82 100

128 47.2 37.7 56.5

54 56.4 45.7 68.5



#24

Nitrobenzene

Concen: 42.892 ng

RT: 7.469 min Scan# 897

Delta R.T. 0.006 min

Lab File: BF142811.D

Acq: 24 Jun 2025 10:16

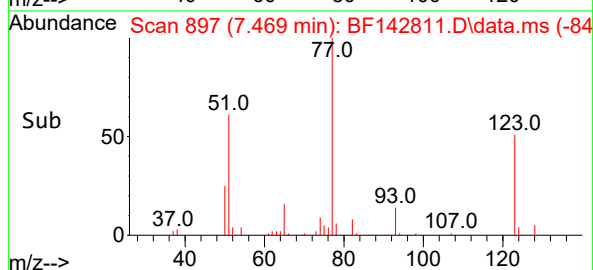
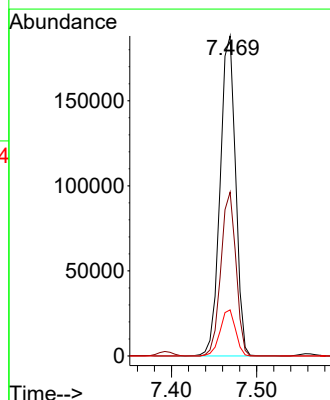
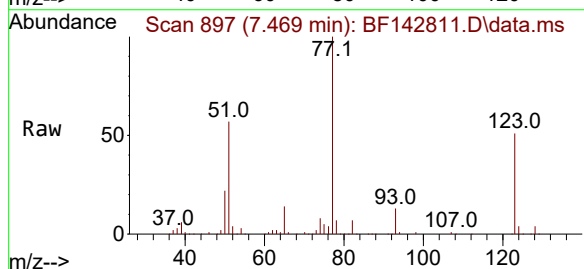
Tgt Ion: 77 Resp: 237487

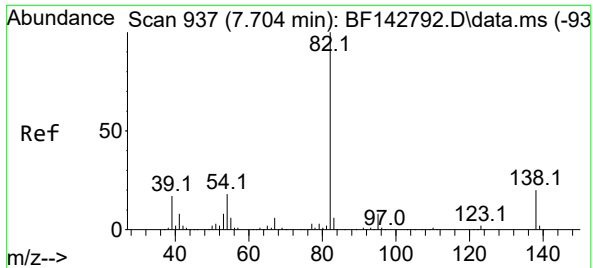
Ion Ratio Lower Upper

77 100

123 51.2 39.2 58.8

65 14.4 11.6 17.4

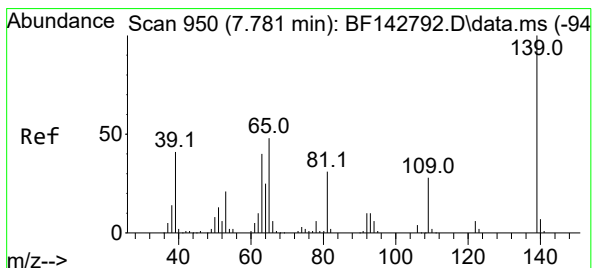
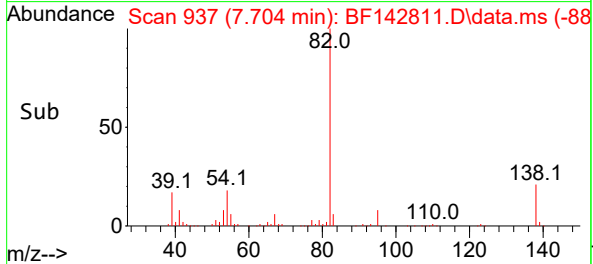
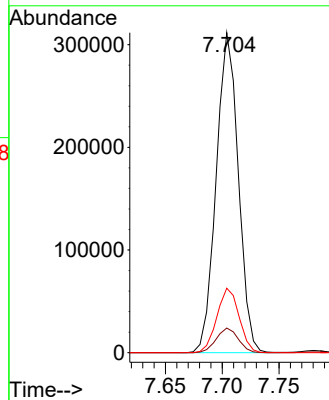
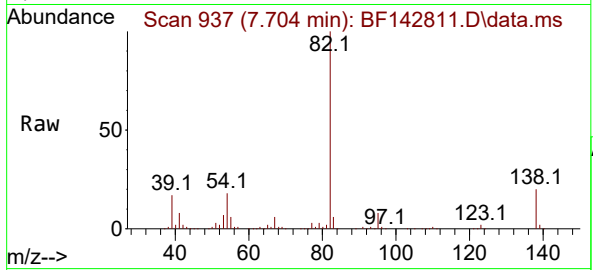




#25
Isophorone
Concen: 43.017 ng
RT: 7.704 min Scan# 91
Delta R.T. -0.000 min
Lab File: BF142811.D
Acq: 24 Jun 2025 10:16

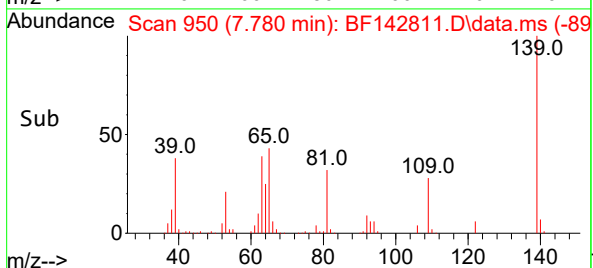
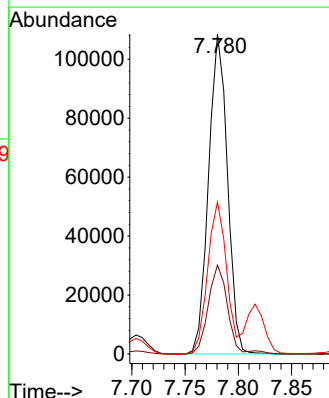
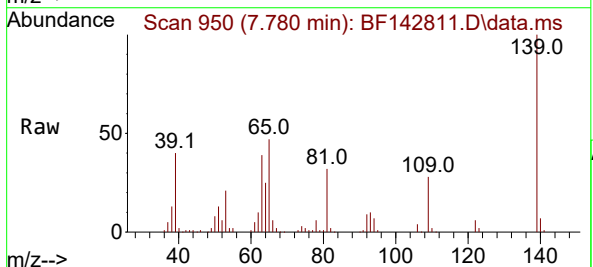
Instrument :
BNA_F
ClientSampleId :
SSTDCCC040

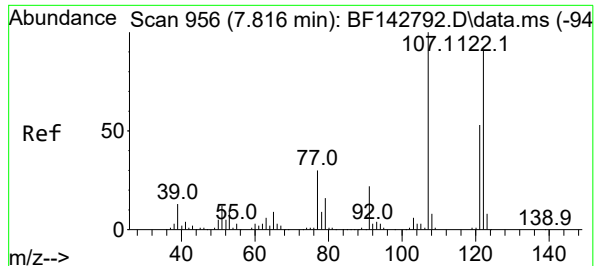
Tgt Ion: 82 Resp: 422145
Ion Ratio Lower Upper
82 100
95 7.7 6.2 9.2
138 20.1 16.2 24.4



#26
2-Nitrophenol
Concen: 44.426 ng
RT: 7.780 min Scan# 950
Delta R.T. -0.000 min
Lab File: BF142811.D
Acq: 24 Jun 2025 10:16

Tgt Ion:139 Resp: 133998
Ion Ratio Lower Upper
139 100
109 27.8 22.7 34.1
65 47.5 38.6 58.0





#27

2,4-Dimethylphenol

Concen: 42.887 ng

RT: 7.816 min Scan# 91

Delta R.T. -0.000 min

Lab File: BF142811.D

Acq: 24 Jun 2025 10:16

Instrument :

BNA_F

ClientSampleId :

SSTDCCC040

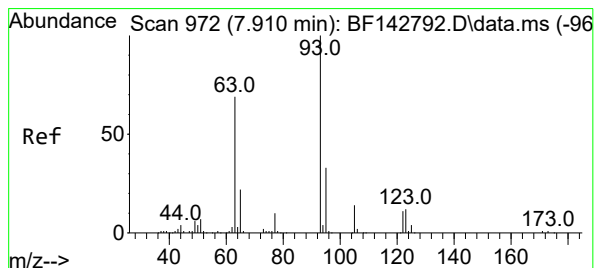
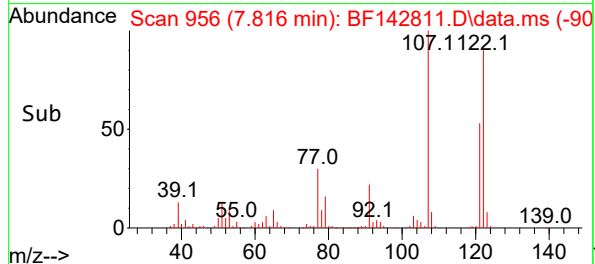
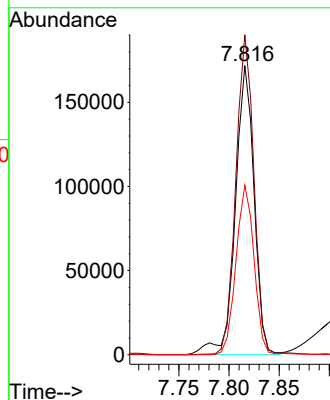
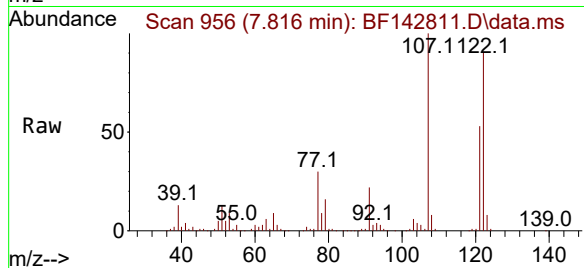
Tgt Ion:122 Resp: 224066

Ion Ratio Lower Upper

122 100

107 110.7 88.0 132.0

121 58.6 46.3 69.5



#28

bis(2-Chloroethoxy)methane

Concen: 42.485 ng

RT: 7.916 min Scan# 973

Delta R.T. 0.006 min

Lab File: BF142811.D

Acq: 24 Jun 2025 10:16

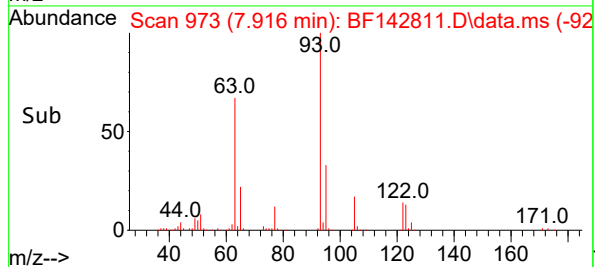
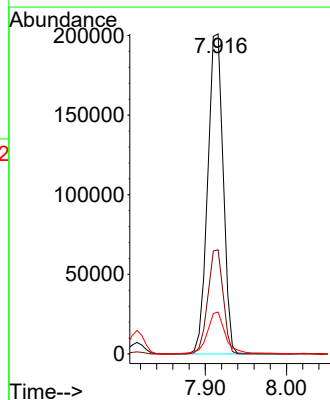
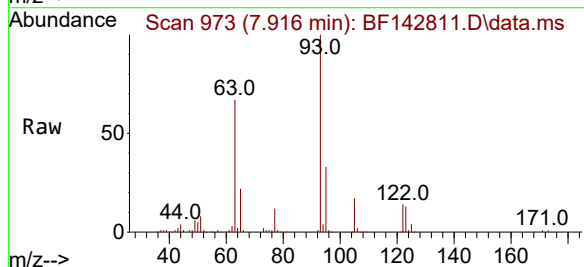
Tgt Ion: 93 Resp: 265061

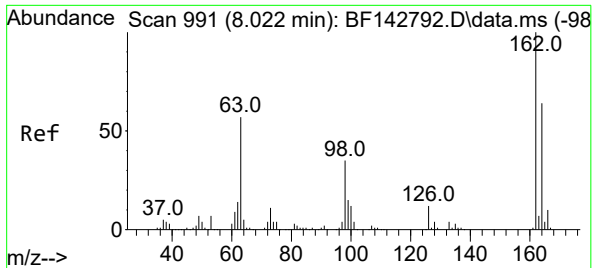
Ion Ratio Lower Upper

93 100

95 32.5 26.2 39.2

123 13.1 9.9 14.9





#29

2,4-Dichlorophenol

Concen: 42.933 ng

RT: 8.022 min Scan# 991

Delta R.T. -0.000 min

Lab File: BF142811.D

Acq: 24 Jun 2025 10:16

Instrument :

BNA_F

ClientSampleId :

SSTDCCC040

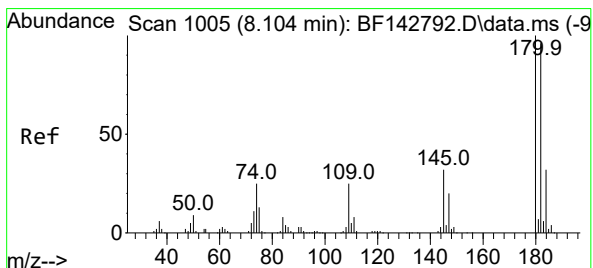
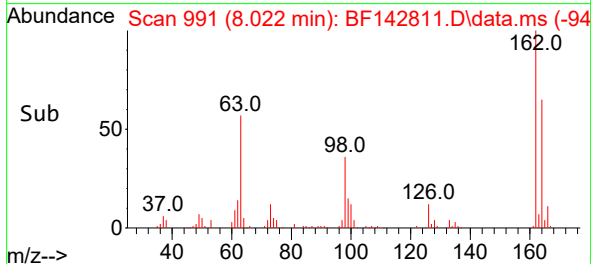
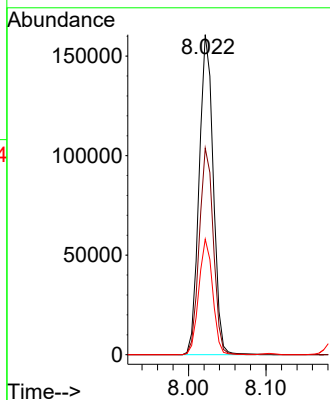
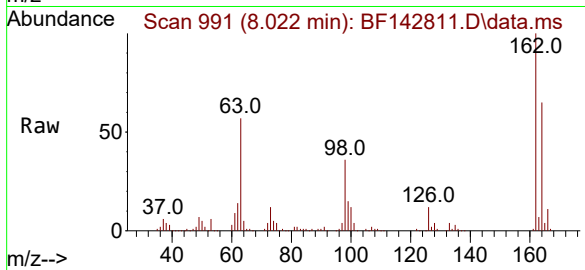
Tgt Ion:162 Resp: 203381

Ion Ratio Lower Upper

162 100

164 64.6 44.0 84.0

98 36.1 15.4 55.4



#30

1,2,4-Trichlorobenzene

Concen: 41.857 ng

RT: 8.104 min Scan# 1005

Delta R.T. -0.000 min

Lab File: BF142811.D

Acq: 24 Jun 2025 10:16

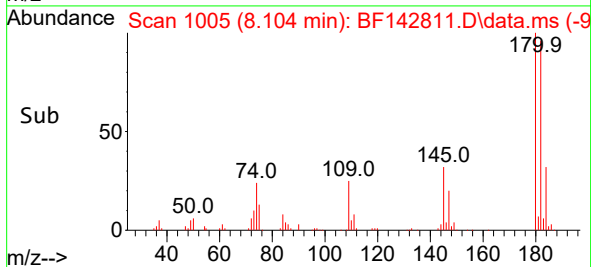
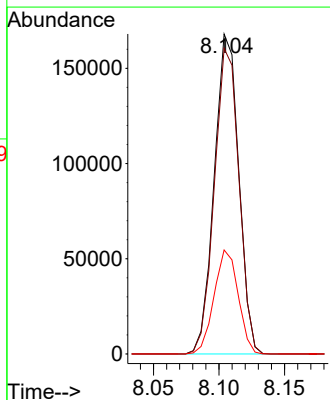
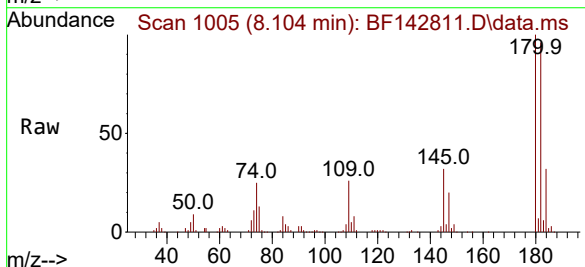
Tgt Ion:180 Resp: 218035

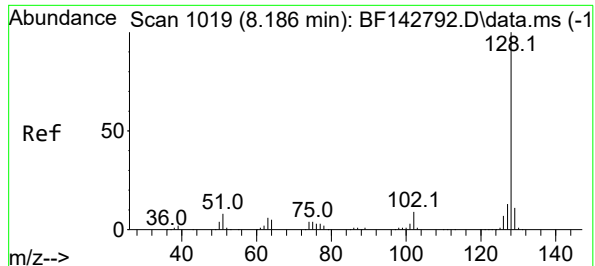
Ion Ratio Lower Upper

180 100

182 95.5 76.4 114.6

145 32.5 25.8 38.8





#31

Naphthalene

Concen: 42.387 ng

RT: 8.186 min Scan# 1019

Delta R.T. -0.000 min

Lab File: BF142811.D

Acq: 24 Jun 2025 10:16

Instrument :

BNA_F

ClientSampleId :

SSTDCCC040

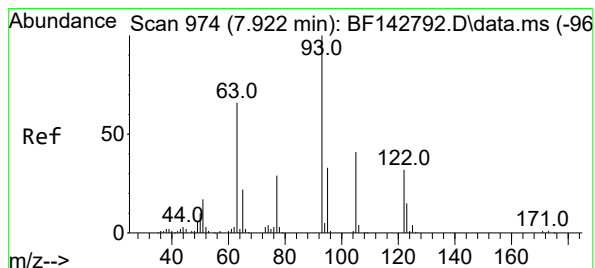
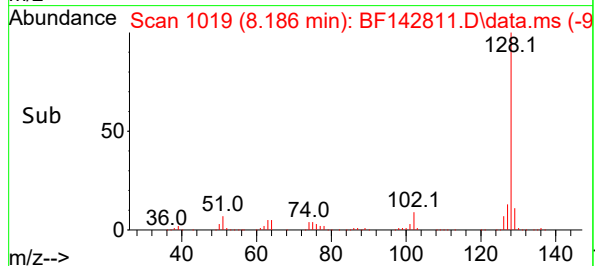
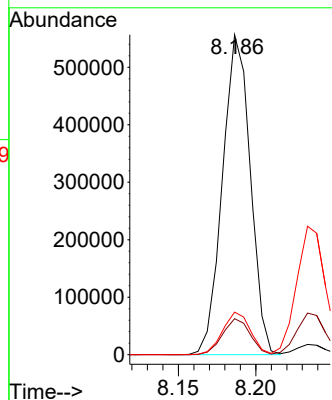
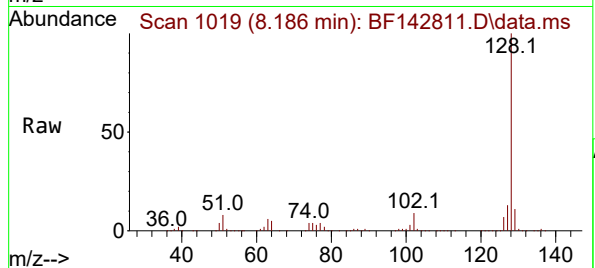
Tgt Ion:128 Resp: 696192

Ion Ratio Lower Upper

128 100

129 11.2 8.9 13.3

127 13.3 10.4 15.6



#32

Benzoic acid

Concen: 47.690 ng

RT: 7.933 min Scan# 976

Delta R.T. 0.012 min

Lab File: BF142811.D

Acq: 24 Jun 2025 10:16

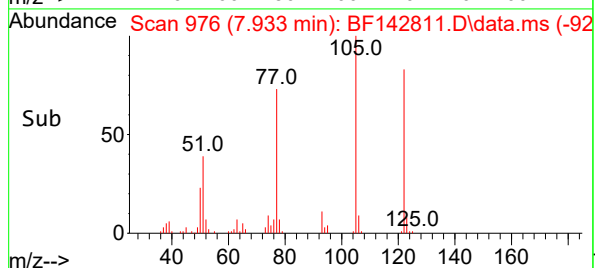
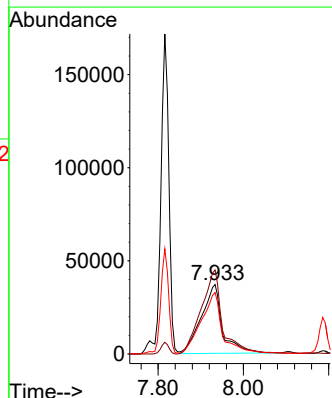
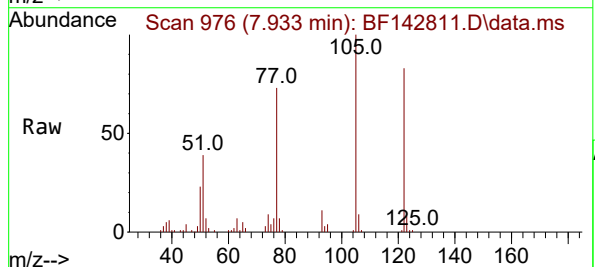
Tgt Ion:122 Resp: 126992

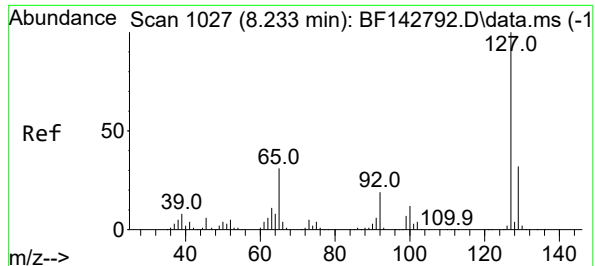
Ion Ratio Lower Upper

122 100

105 120.9 104.7 144.7

77 88.5 70.2 110.2





#33

4-Chloroaniline

Concen: 43.241 ng

RT: 8.233 min Scan# 1027

Delta R.T. -0.000 min

Lab File: BF142811.D

Acq: 24 Jun 2025 10:16

Instrument :

BNA_F

ClientSampleId :

SSTDCCC040

Tgt Ion:127 Resp: 288786

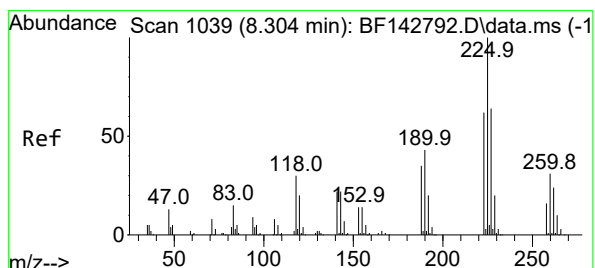
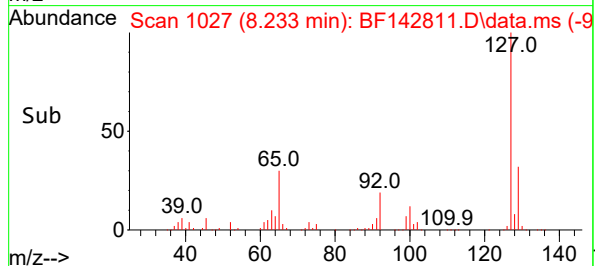
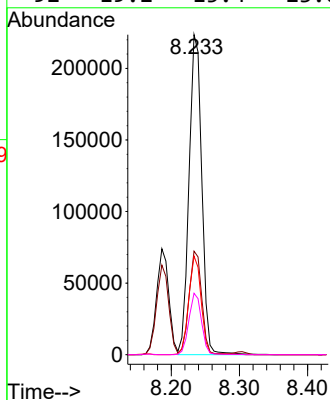
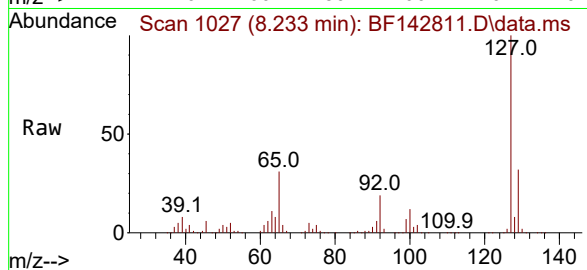
Ion Ratio Lower Upper

127 100

129 32.3 25.9 38.9

65 30.8 24.6 36.8

92 19.2 15.4 23.0



#34

Hexachlorobutadiene

Concen: 41.657 ng

RT: 8.304 min Scan# 1039

Delta R.T. -0.000 min

Lab File: BF142811.D

Acq: 24 Jun 2025 10:16

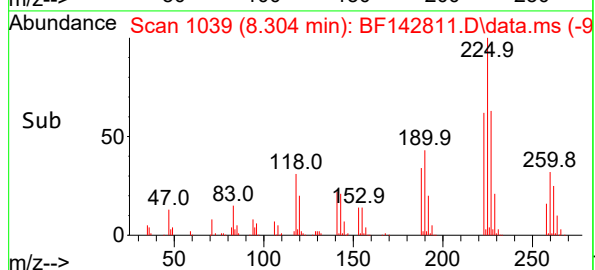
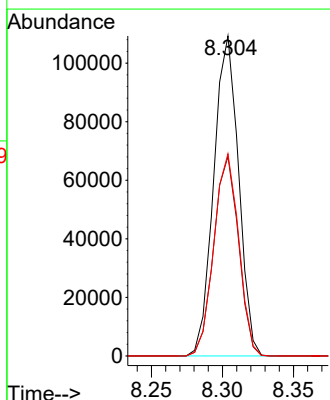
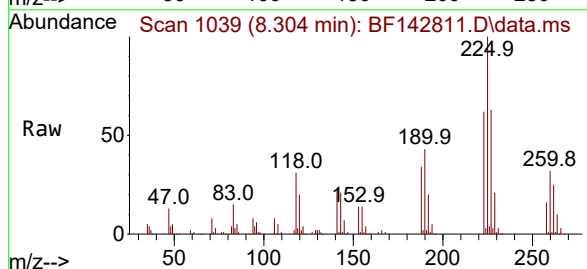
Tgt Ion:225 Resp: 132733

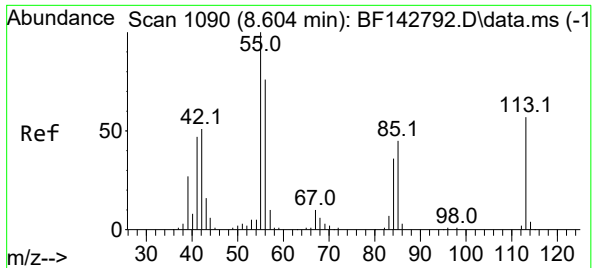
Ion Ratio Lower Upper

225 100

223 62.3 49.9 74.9

227 63.2 51.4 77.0





#35

Caprolactam

Concen: 47.805 ng

RT: 8.610 min Scan# 1091

Delta R.T. 0.006 min

Lab File: BF142811.D

Acq: 24 Jun 2025 10:16

Instrument :

BNA_F

ClientSampleId :

SSTDCCC040

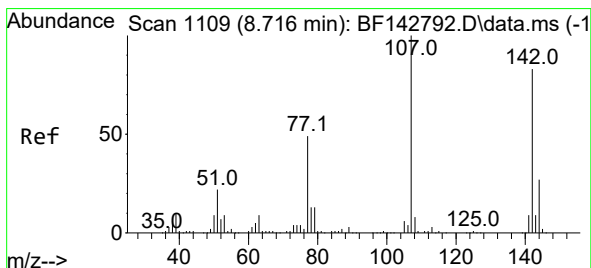
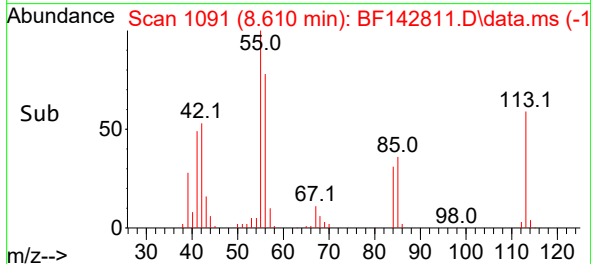
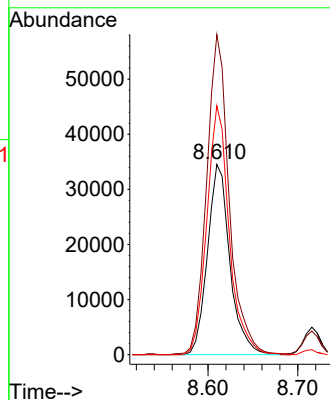
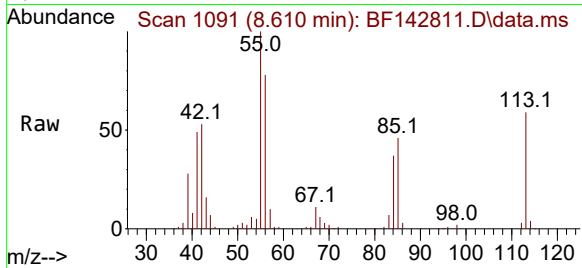
Tgt Ion:113 Resp: 59758

Ion Ratio Lower Upper

113 100

55 168.1 154.4 194.4

56 130.8 112.1 152.1



#36

4-Chloro-3-methylphenol

Concen: 43.575 ng

RT: 8.716 min Scan# 1109

Delta R.T. -0.000 min

Lab File: BF142811.D

Acq: 24 Jun 2025 10:16

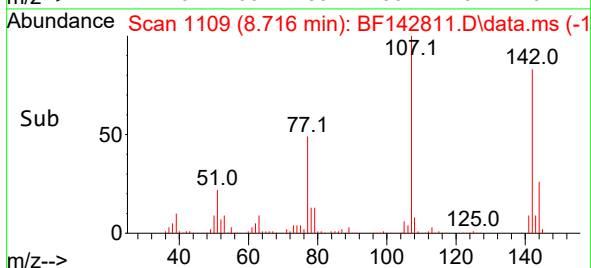
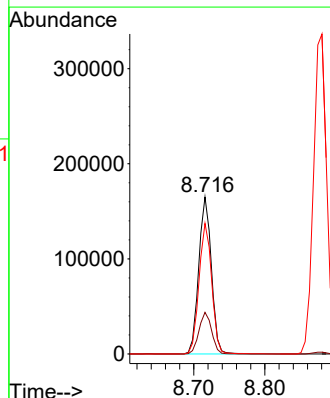
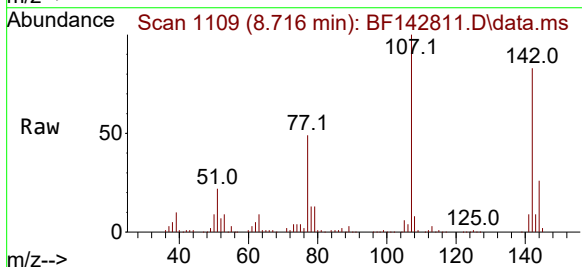
Tgt Ion:107 Resp: 205152

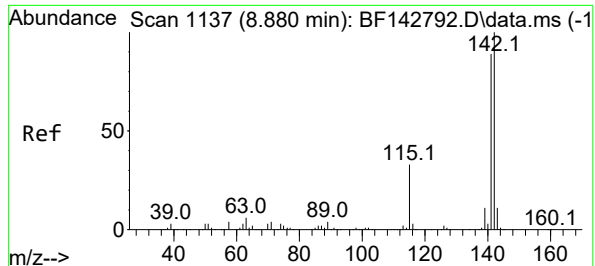
Ion Ratio Lower Upper

107 100

144 26.5 21.3 31.9

142 83.2 66.6 100.0





#37

2-Methylnaphthalene

Concen: 42.288 ng

RT: 8.880 min Scan# 1137

Delta R.T. -0.000 min

Lab File: BF142811.D

Acq: 24 Jun 2025 10:16

Instrument :

BNA_F

ClientSampleId :

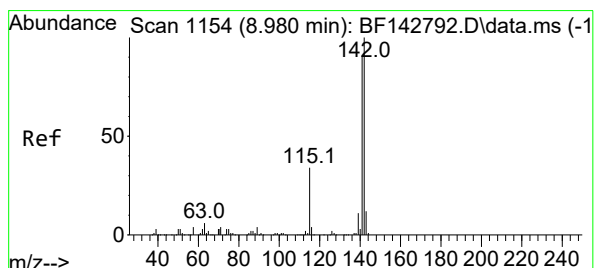
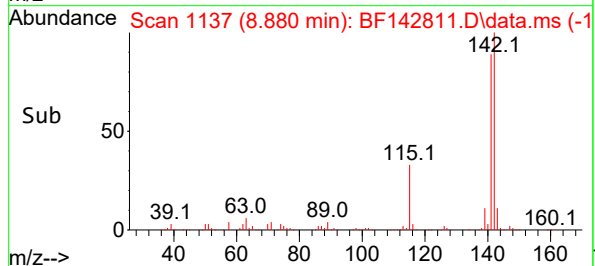
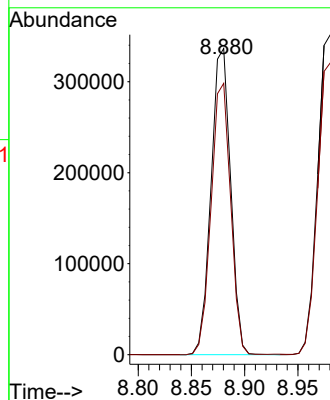
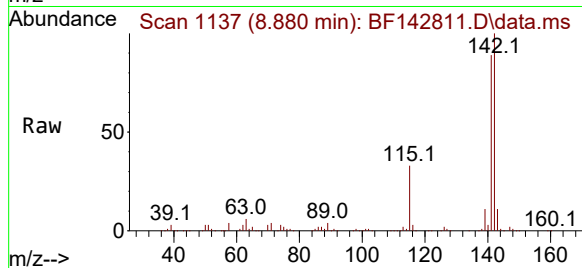
SSTDCCC040

Tgt Ion:142 Resp: 430600

Ion Ratio Lower Upper

142 100

141 88.6 70.9 106.3



#38

1-Methylnaphthalene

Concen: 42.617 ng

RT: 8.980 min Scan# 1154

Delta R.T. -0.000 min

Lab File: BF142811.D

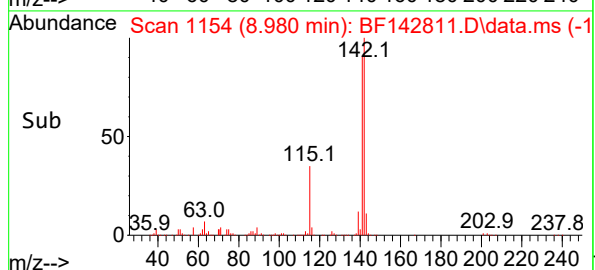
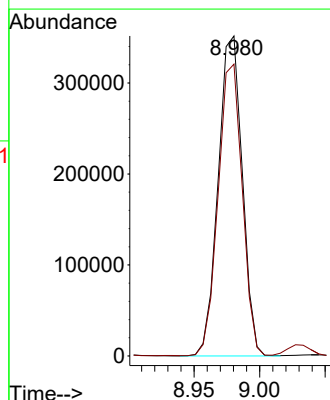
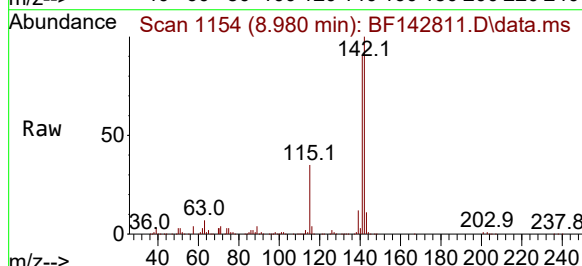
Acq: 24 Jun 2025 10:16

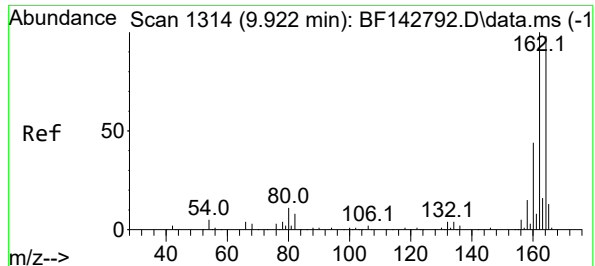
Tgt Ion:142 Resp: 449219

Ion Ratio Lower Upper

142 100

141 91.2 73.0 109.4





#39

Acenaphthene-d10

Concen: 20.000 ng

RT: 9.921 min Scan# 1165

Delta R.T. -0.000 min

Lab File: BF142811.D

Acq: 24 Jun 2025 10:16

Instrument :

BNA_F

ClientSampleId :

SSTDCCC040

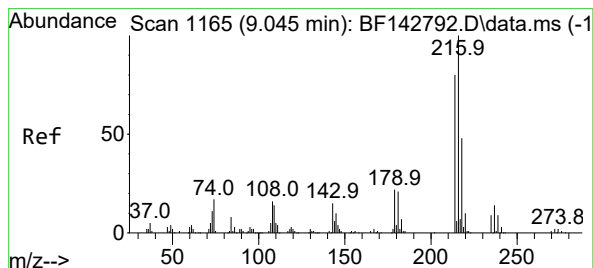
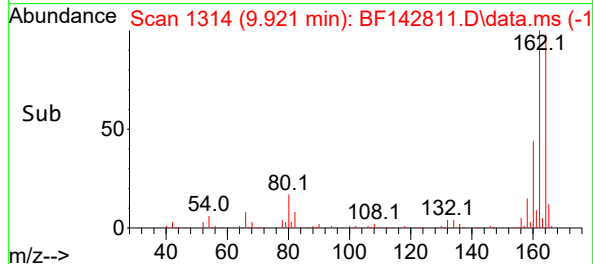
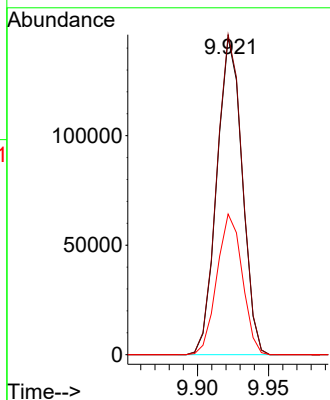
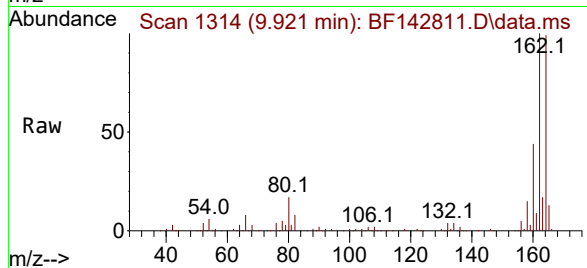
Tgt Ion:164 Resp: 179366

Ion Ratio Lower Upper

164 100

162 100.9 81.8 122.8

160 44.4 36.0 54.0



#40

1,2,4,5-Tetrachlorobenzene

Concen: 41.047 ng

RT: 9.045 min Scan# 1165

Delta R.T. -0.000 min

Lab File: BF142811.D

Acq: 24 Jun 2025 10:16

Tgt Ion:216 Resp: 217242

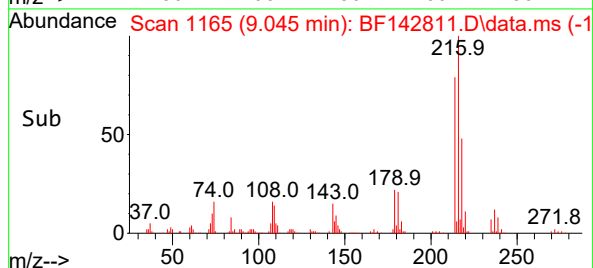
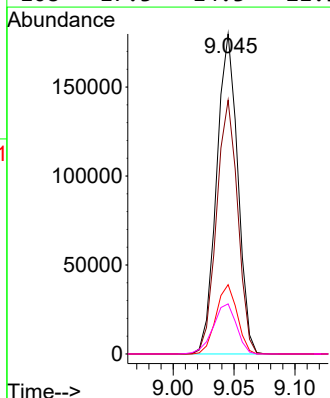
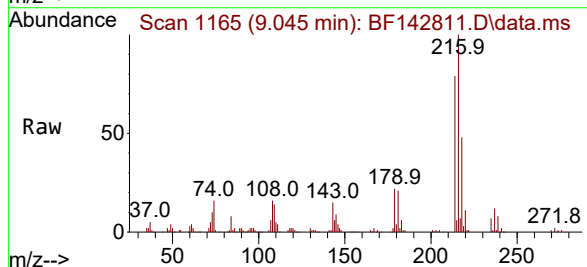
Ion Ratio Lower Upper

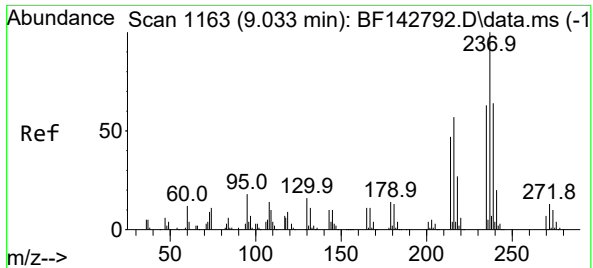
216 100

214 79.1 63.7 95.5

179 21.6 17.6 26.4

108 17.3 14.3 21.5

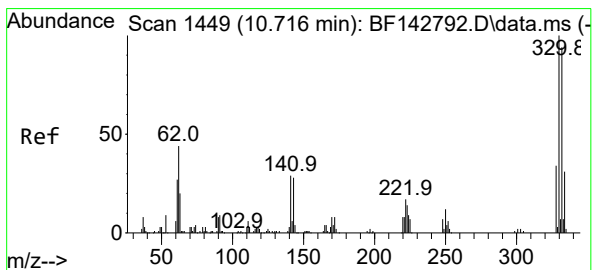
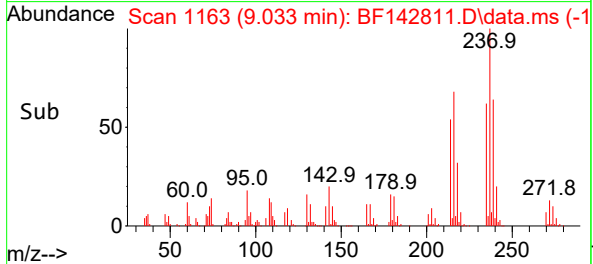
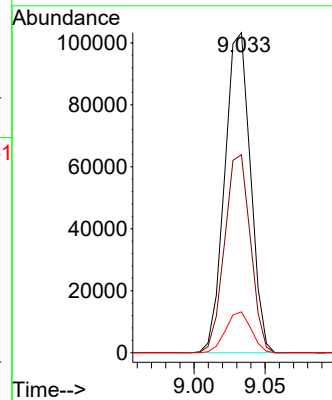
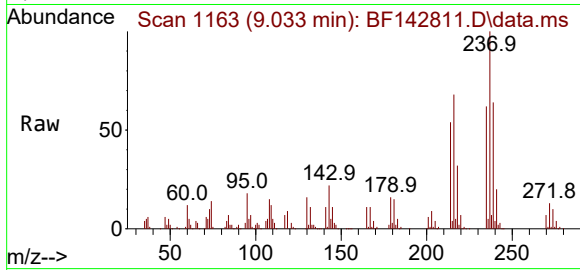




#41
Hexachlorocyclopentadiene
Concen: 43.326 ng
RT: 9.033 min Scan# 1163
Delta R.T. -0.000 min
Lab File: BF142811.D
Acq: 24 Jun 2025 10:16

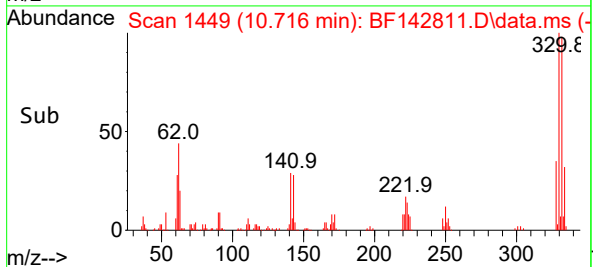
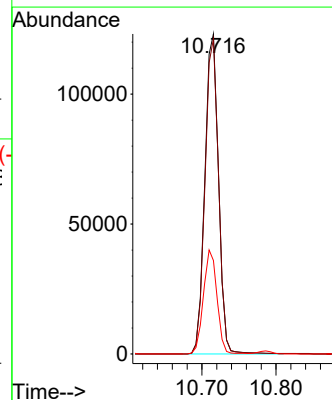
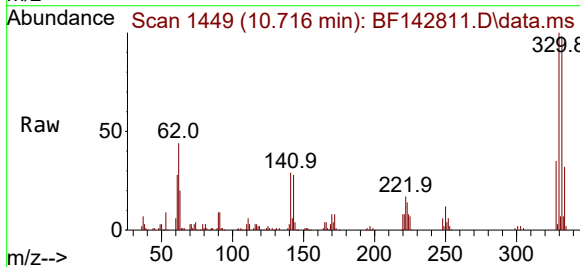
Instrument :
BNA_F
ClientSampleId :
SSTDCCC040

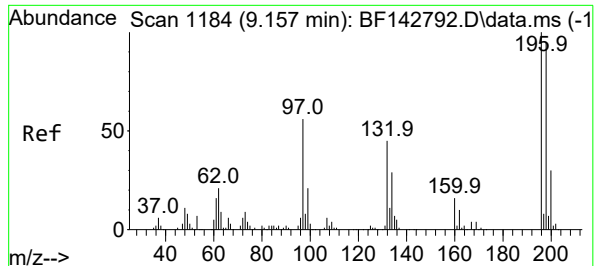
Tgt Ion:237 Resp: 130125
Ion Ratio Lower Upper
237 100
235 61.9 43.4 83.4
272 12.7 0.0 32.7



#42
2,4,6-Tribromophenol
Concen: 85.321 ng
RT: 10.716 min Scan# 1449
Delta R.T. -0.000 min
Lab File: BF142811.D
Acq: 24 Jun 2025 10:16

Tgt Ion:330 Resp: 157486
Ion Ratio Lower Upper
330 100
332 98.1 75.0 112.6
141 32.3 25.3 37.9





#43

2,4,6-Trichlorophenol

Concen: 41.837 ng

RT: 9.157 min Scan# 1184

Delta R.T. -0.000 min

Lab File: BF142811.D

Acq: 24 Jun 2025 10:16

Instrument :

BNA_F

ClientSampleId :

SSTDCCC040

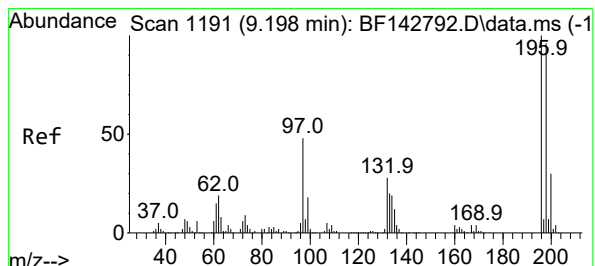
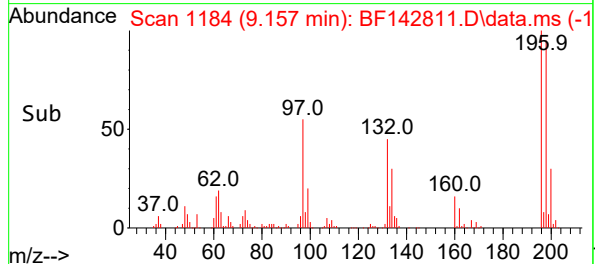
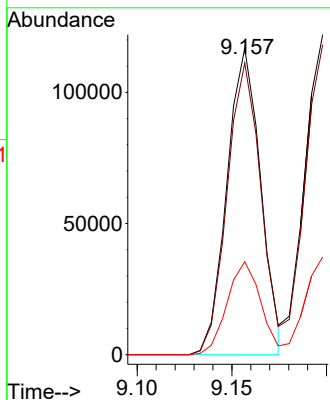
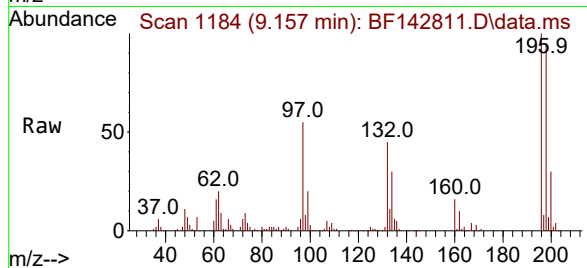
Tgt Ion:196 Resp: 144284

Ion Ratio Lower Upper

196 100

198 95.2 76.2 114.2

200 30.3 24.1 36.1



#44

2,4,5-Trichlorophenol

Concen: 42.597 ng

RT: 9.198 min Scan# 1191

Delta R.T. -0.000 min

Lab File: BF142811.D

Acq: 24 Jun 2025 10:16

Tgt Ion:196 Resp: 154645

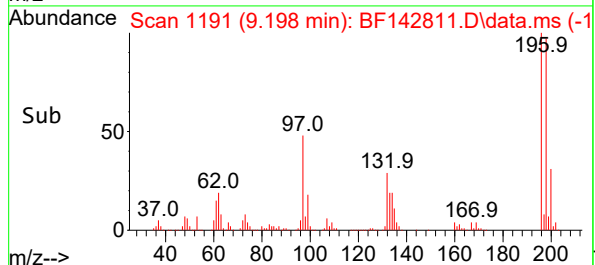
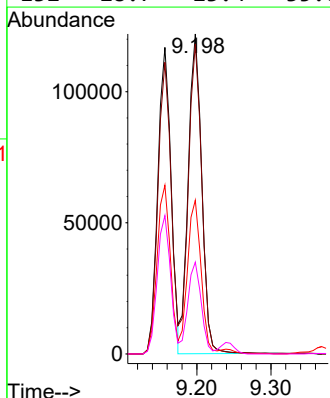
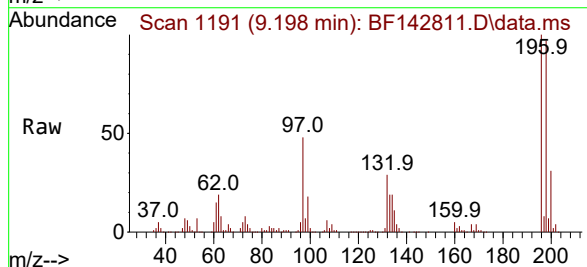
Ion Ratio Lower Upper

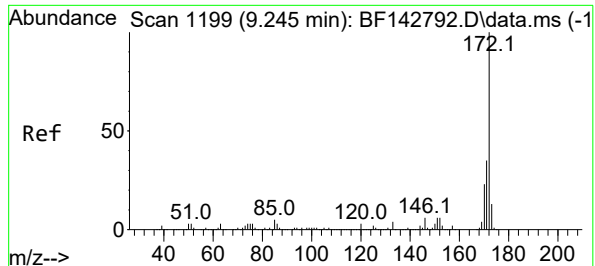
196 100

198 96.9 76.6 115.0

97 48.1 38.2 57.2

132 28.7 23.4 35.0





#45

2-Fluorobiphenyl

Concen: 79.482 ng

RT: 9.239 min Scan# 1199

Delta R.T. -0.006 min

Lab File: BF142811.D

Acq: 24 Jun 2025 10:16

Instrument :

BNA_F

ClientSampleId :

SSTDCCC040

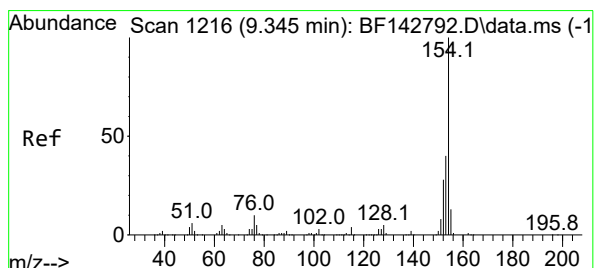
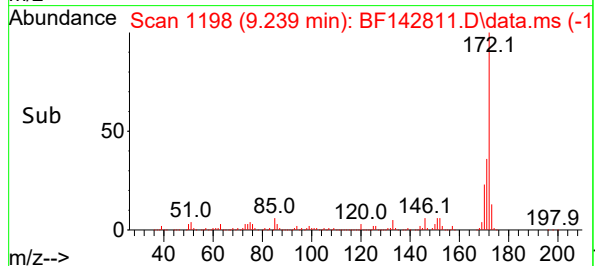
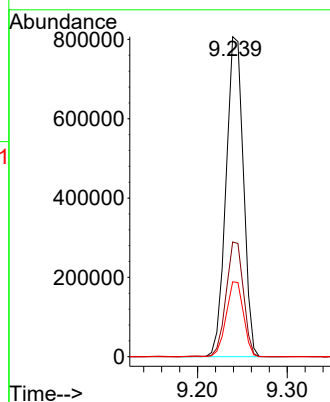
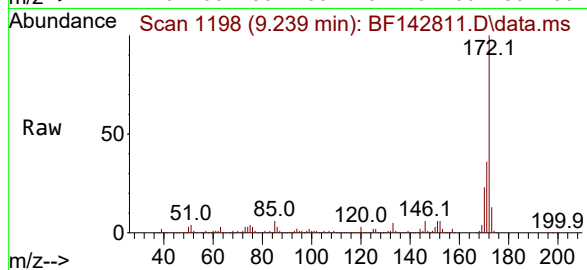
Tgt Ion:172 Resp: 1085224

Ion Ratio Lower Upper

172 100

171 35.8 28.2 42.4

170 23.4 18.5 27.7



#46

1,1'-Biphenyl

Concen: 41.200 ng

RT: 9.345 min Scan# 1216

Delta R.T. -0.000 min

Lab File: BF142811.D

Acq: 24 Jun 2025 10:16

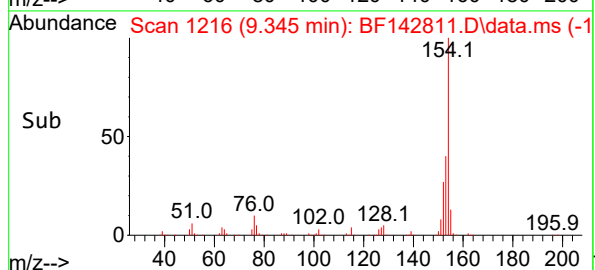
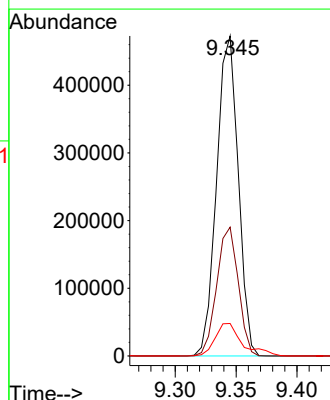
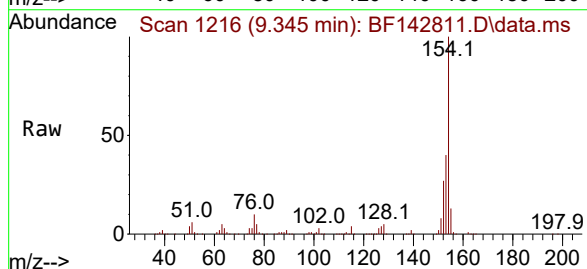
Tgt Ion:154 Resp: 583765

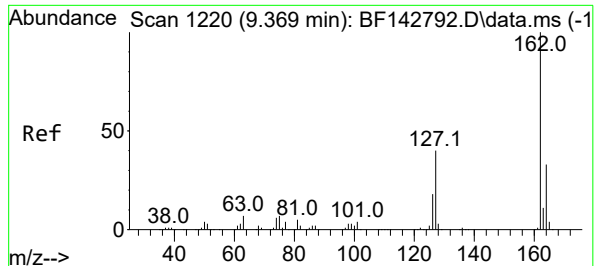
Ion Ratio Lower Upper

154 100

153 40.3 20.3 60.3

76 10.2 0.0 30.3





#47

2-Chloronaphthalene

Concen: 41.367 ng

RT: 9.369 min Scan# 1220

Delta R.T. -0.000 min

Lab File: BF142811.D

Acq: 24 Jun 2025 10:16

Instrument :

BNA_F

ClientSampleId :

SSTDCCC040

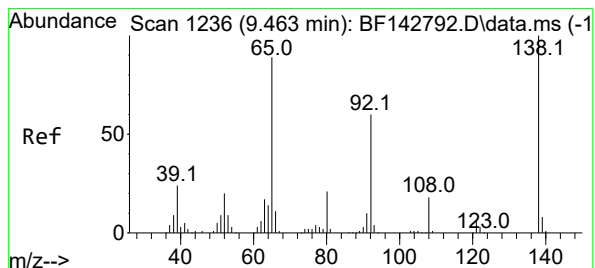
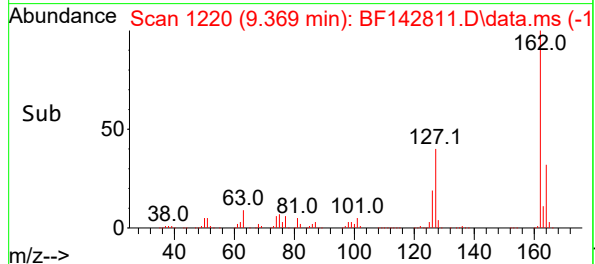
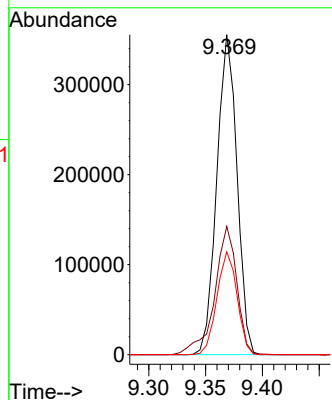
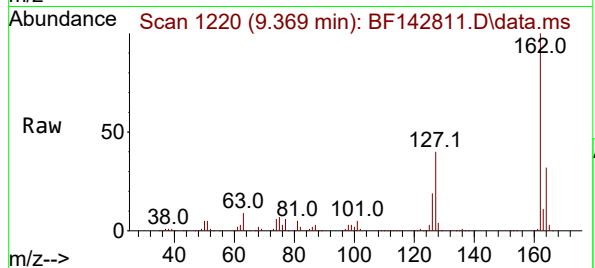
Tgt Ion:162 Resp: 439850

Ion Ratio Lower Upper

162 100

127 40.1 32.2 48.2

164 32.2 26.1 39.1



#48

2-Nitroaniline

Concen: 43.907 ng

RT: 9.463 min Scan# 1236

Delta R.T. -0.000 min

Lab File: BF142811.D

Acq: 24 Jun 2025 10:16

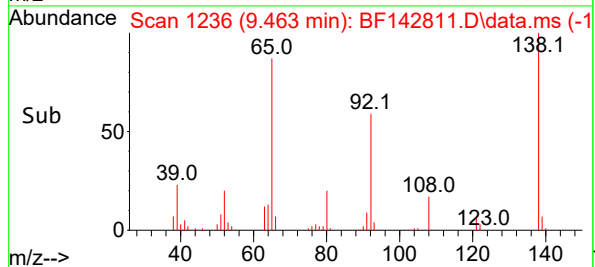
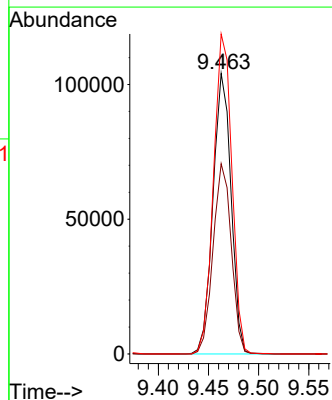
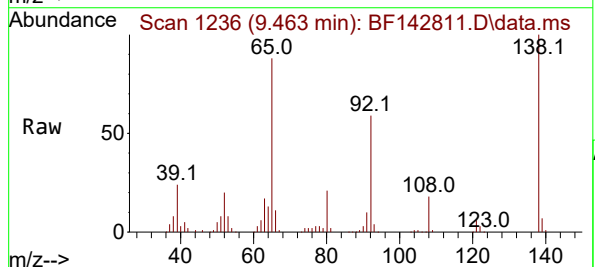
Tgt Ion: 65 Resp: 130885

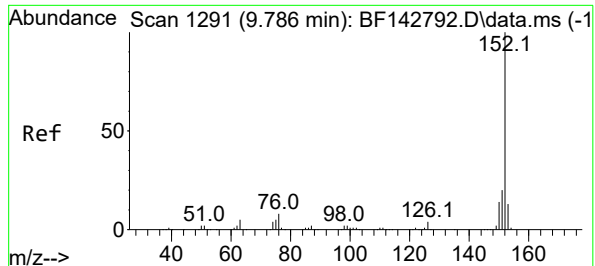
Ion Ratio Lower Upper

65 100

92 67.8 53.8 80.6

138 114.1 89.6 134.4





#49

Acenaphthylene

Concen: 41.654 ng

RT: 9.786 min Scan# 1291

Delta R.T. -0.000 min

Lab File: BF142811.D

Acq: 24 Jun 2025 10:16

Instrument :

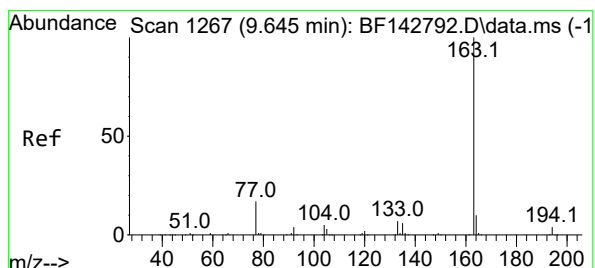
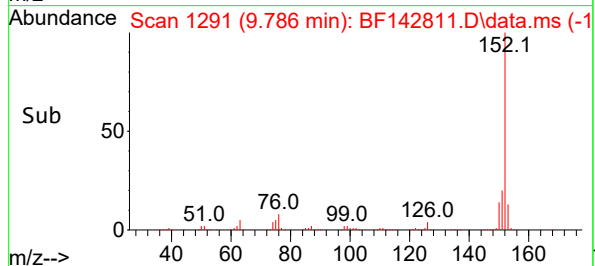
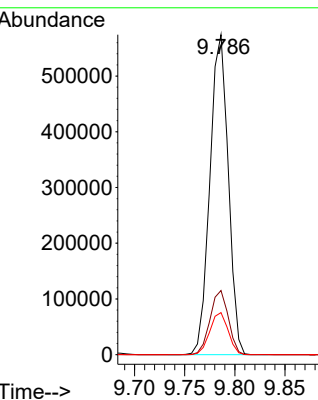
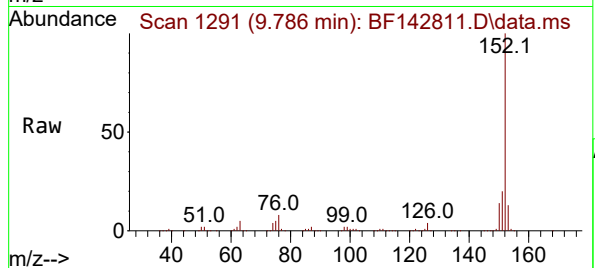
BNA_F

ClientSampleId :

SSTDCCC040

Tgt Ion:152 Resp: 729096

Ion	Ratio	Lower	Upper
152	100		
151	20.0	16.1	24.1
153	13.1	10.4	15.6



#50

Dimethylphthalate

Concen: 42.321 ng

RT: 9.645 min Scan# 1267

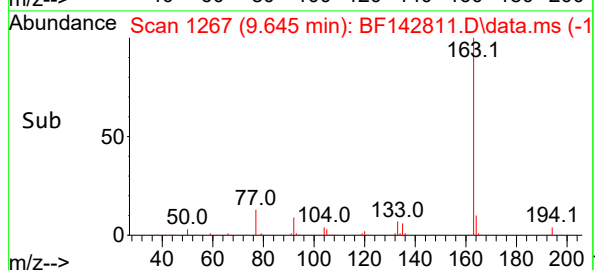
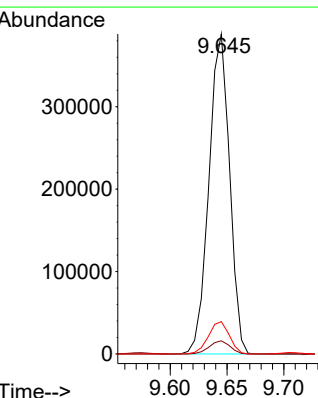
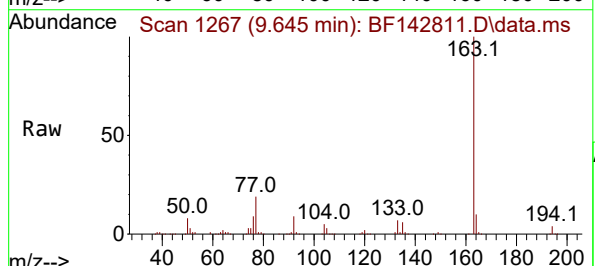
Delta R.T. -0.000 min

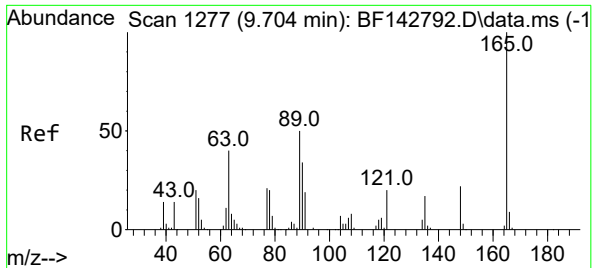
Lab File: BF142811.D

Acq: 24 Jun 2025 10:16

Tgt Ion:163 Resp: 491365

Ion	Ratio	Lower	Upper
163	100		
194	4.1	3.3	4.9
164	10.1	8.0	12.0

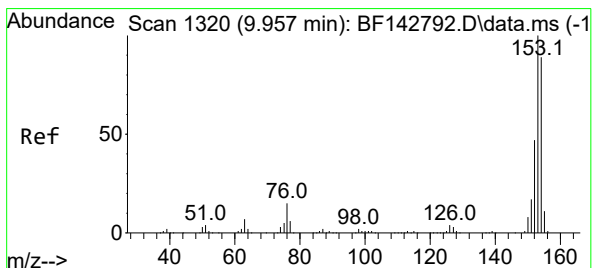
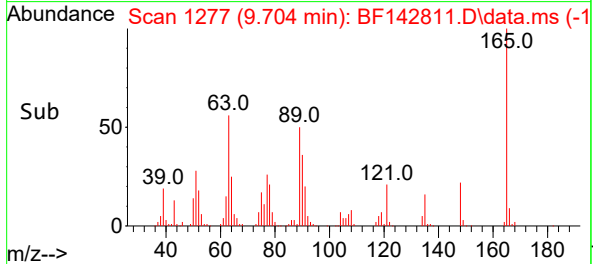
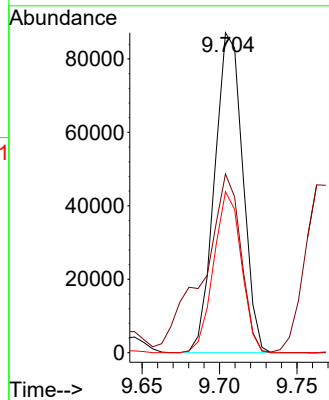
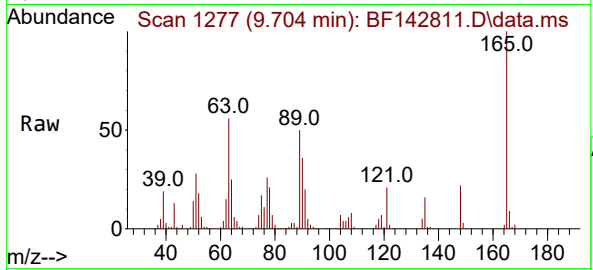




#51
2,6-Dinitrotoluene
Concen: 43.151 ng
RT: 9.704 min Scan# 1277
Delta R.T. -0.000 min
Lab File: BF142811.D
Acq: 24 Jun 2025 10:16

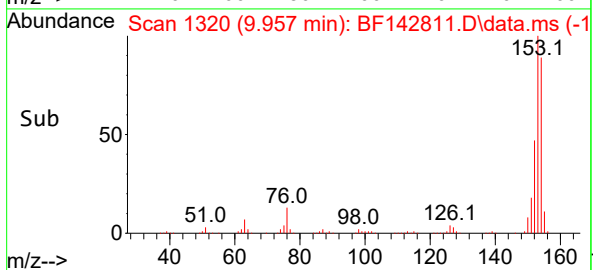
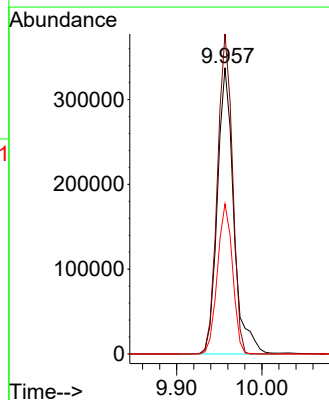
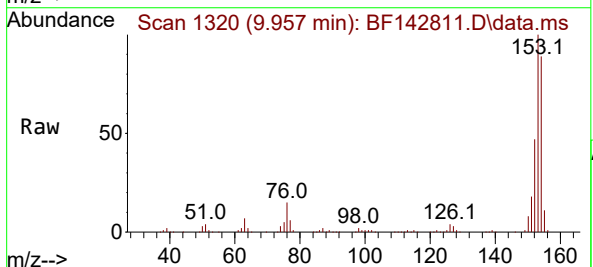
Instrument :
BNA_F
ClientSampleId :
SSTDCCC040

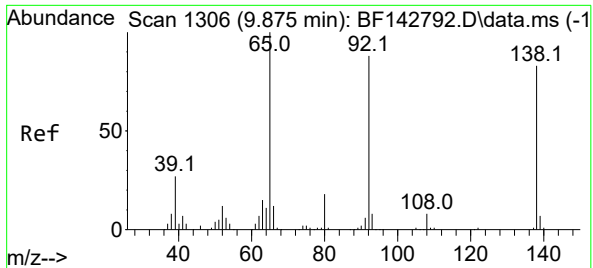
Tgt Ion:165 Resp: 110024
Ion Ratio Lower Upper
165 100
63 55.9 44.2 66.4
89 50.3 39.8 59.8



#52
Acenaphthene
Concen: 42.190 ng
RT: 9.957 min Scan# 1320
Delta R.T. -0.000 min
Lab File: BF142811.D
Acq: 24 Jun 2025 10:16

Tgt Ion:154 Resp: 450566
Ion Ratio Lower Upper
154 100
153 111.8 90.0 135.0
152 52.5 41.9 62.9

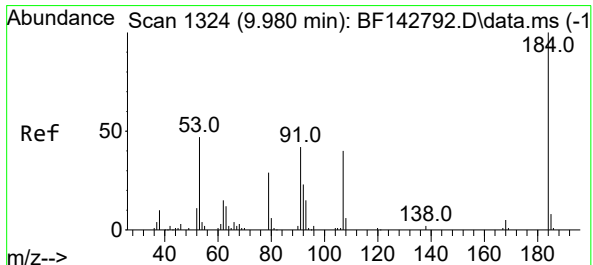
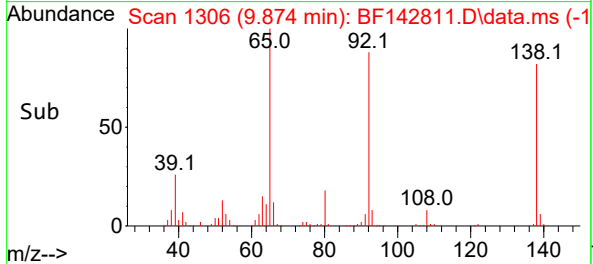
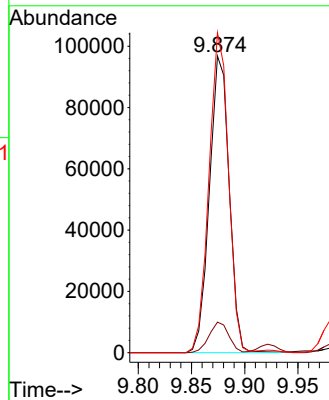
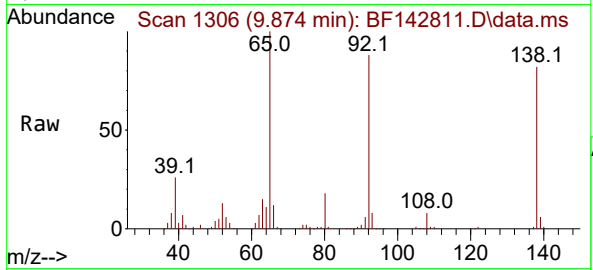




#53
3-Nitroaniline
Concen: 44.627 ng
RT: 9.874 min Scan# 1306
Delta R.T. -0.000 min
Lab File: BF142811.D
Acq: 24 Jun 2025 10:16

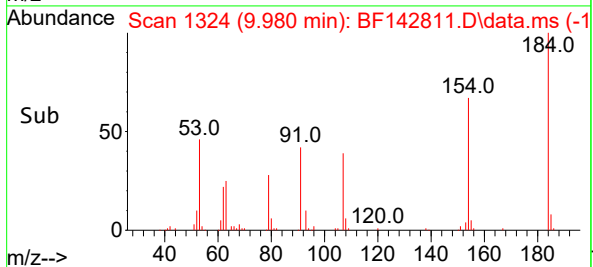
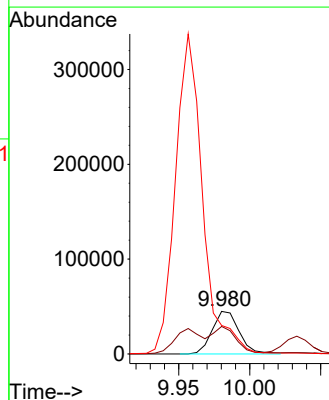
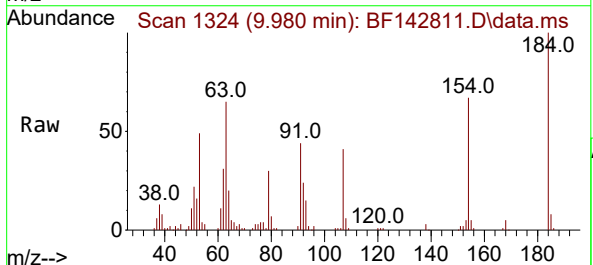
Instrument :
BNA_F
ClientSampleId :
SSTDCCC040

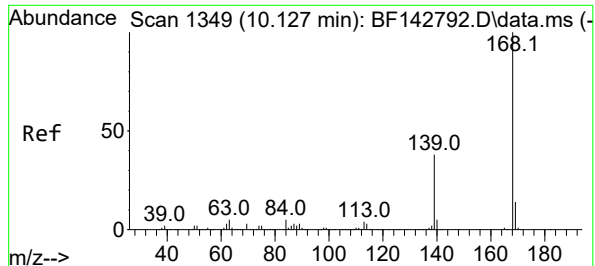
Tgt Ion:138 Resp: 125282
Ion Ratio Lower Upper
138 100
108 10.3 8.1 12.1
92 107.9 85.1 127.7



#54
2,4-Dinitrophenol
Concen: 46.693 ng
RT: 9.980 min Scan# 1324
Delta R.T. -0.000 min
Lab File: BF142811.D
Acq: 24 Jun 2025 10:16

Tgt Ion:184 Resp: 59614
Ion Ratio Lower Upper
184 100
63 64.5 50.6 75.8
154 66.7 51.8 77.8





#55

Dibenzofuran

Concen: 41.762 ng

RT: 10.127 min Scan# 1349

Delta R.T. -0.000 min

Lab File: BF142811.D

Acq: 24 Jun 2025 10:16

Instrument :

BNA_F

ClientSampleId :

SSTDCCC040

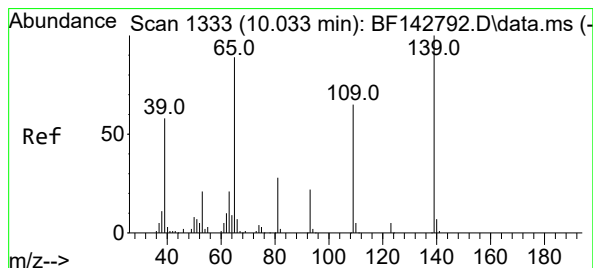
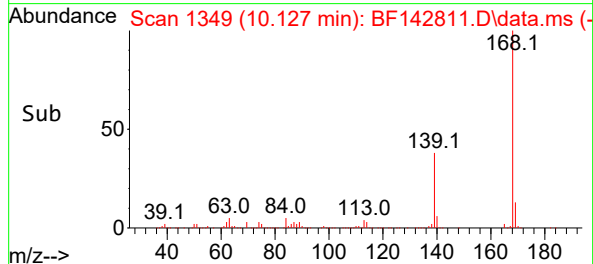
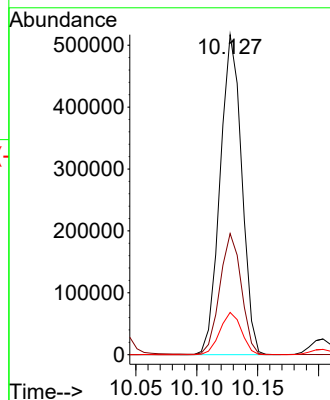
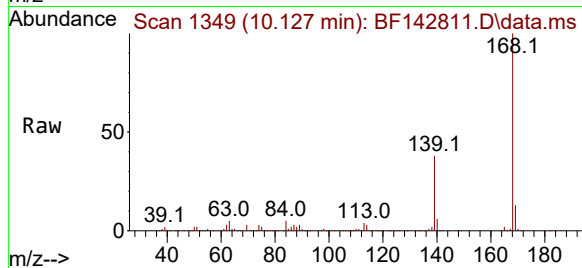
Tgt Ion:168 Resp: 639543

Ion Ratio Lower Upper

168 100

139 37.8 30.2 45.4

169 13.2 10.8 16.2



#56

4-Nitrophenol

Concen: 45.954 ng

RT: 10.033 min Scan# 1333

Delta R.T. -0.000 min

Lab File: BF142811.D

Acq: 24 Jun 2025 10:16

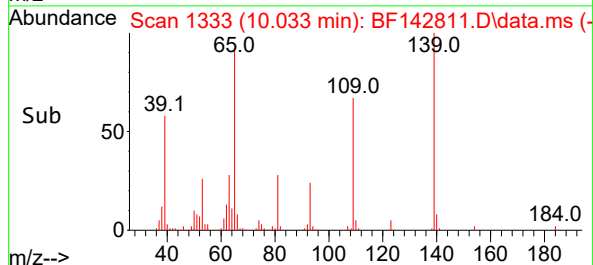
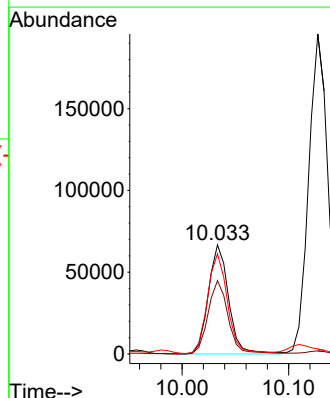
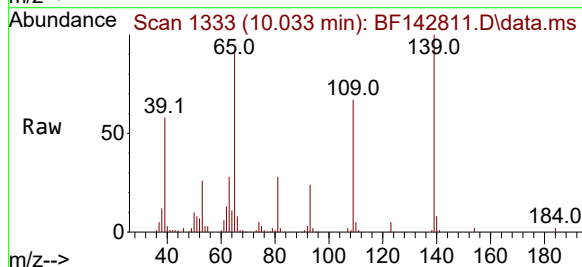
Tgt Ion:139 Resp: 88318

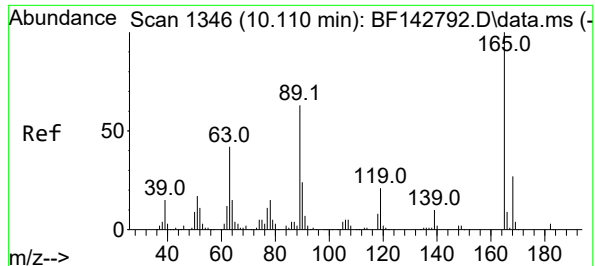
Ion Ratio Lower Upper

139 100

109 67.1 44.7 84.7

65 91.8 69.8 109.8





#57

2,4-Dinitrotoluene

Concen: 44.512 ng

RT: 10.110 min Scan# 1

Delta R.T. -0.000 min

Lab File: BF142811.D

Acq: 24 Jun 2025 10:16

Instrument :

BNA_F

ClientSampleId :

SSTDCCC040

Tgt Ion:165 Resp: 150754

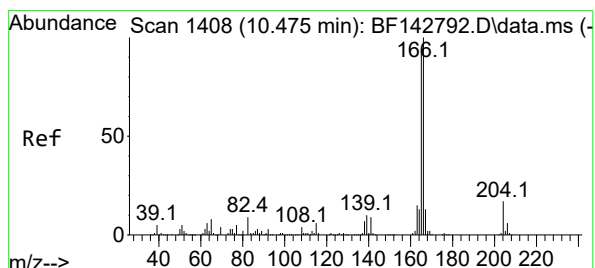
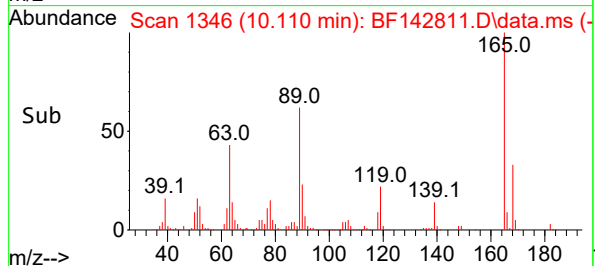
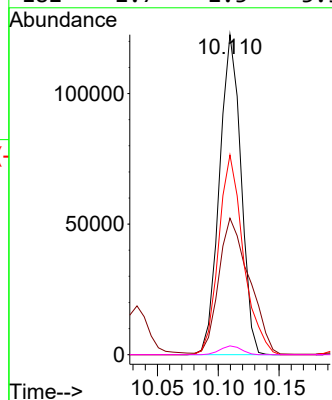
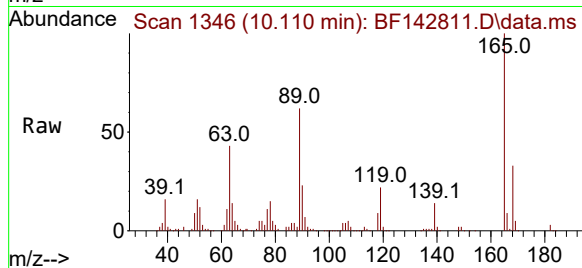
Ion Ratio Lower Upper

165 100

63 42.7 33.9 50.9

89 62.4 50.6 75.8

182 2.7 2.3 3.5



#58

Fluorene

Concen: 41.167 ng

RT: 10.474 min Scan# 1408

Delta R.T. -0.000 min

Lab File: BF142811.D

Acq: 24 Jun 2025 10:16

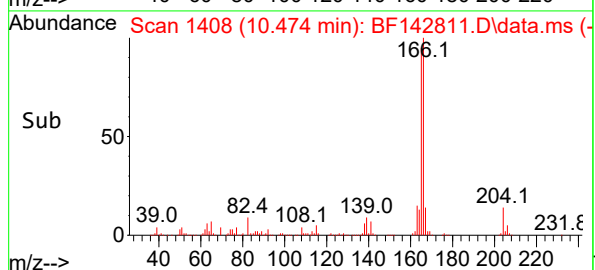
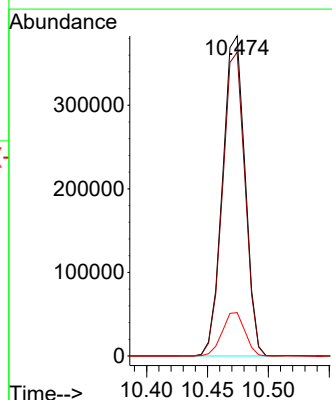
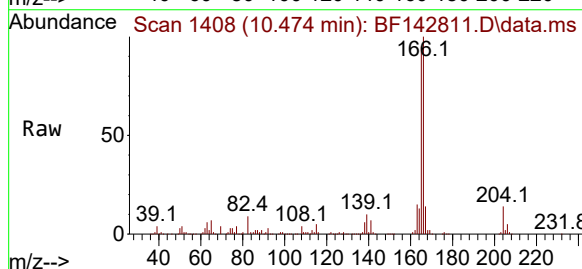
Tgt Ion:166 Resp: 492361

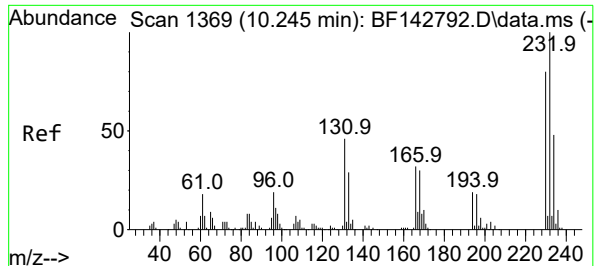
Ion Ratio Lower Upper

166 100

165 94.9 75.2 112.8

167 13.6 10.6 15.8

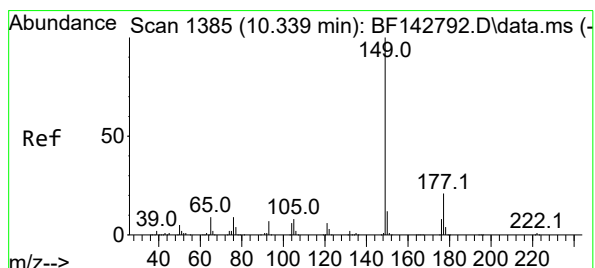
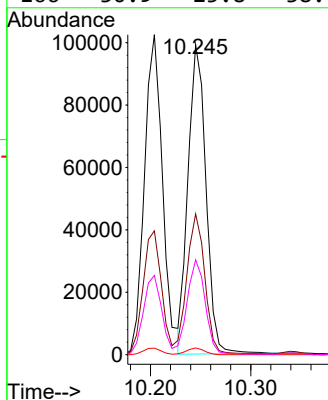
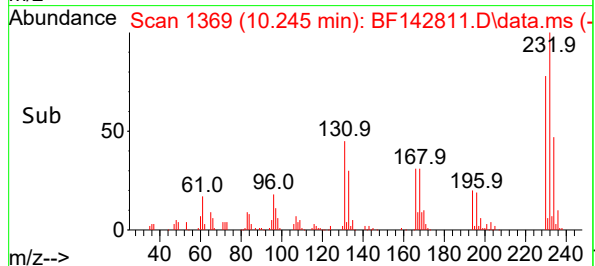
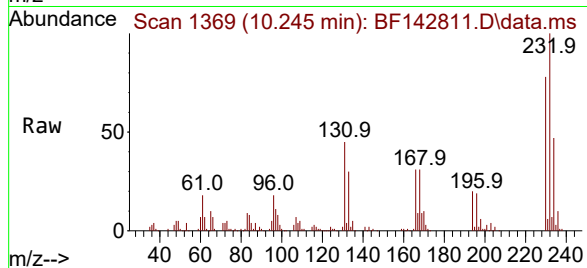




#59
2,3,4,6-Tetrachlorophenol
Concen: 42.190 ng
RT: 10.245 min Scan# 1369
Delta R.T. -0.000 min
Lab File: BF142811.D
Acq: 24 Jun 2025 10:16

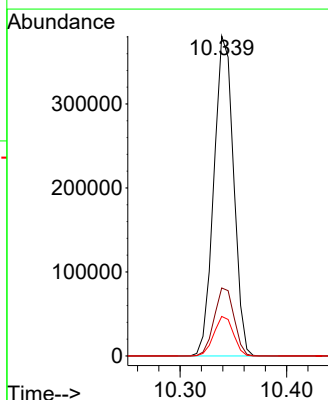
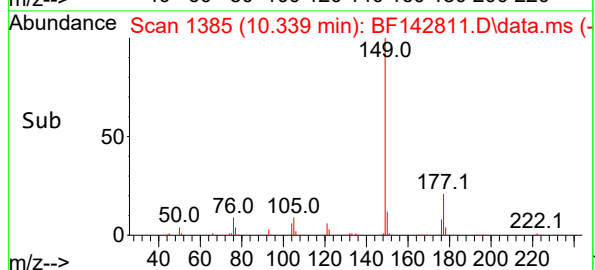
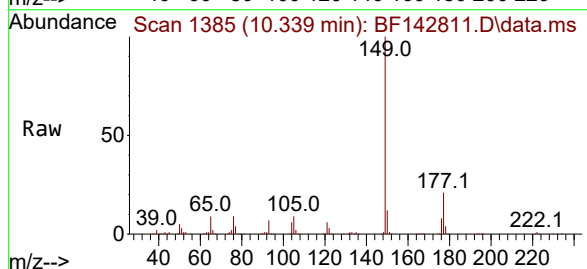
Instrument :
BNA_F
ClientSampleId :
SSTDCCC040

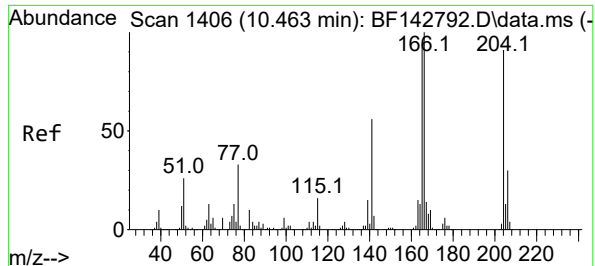
Tgt Ion:232 Resp: 123461
Ion Ratio Lower Upper
232 100
131 46.6 37.6 56.4
130 2.2 1.7 2.5
166 30.9 25.8 38.6



#60
Diethylphthalate
Concen: 42.873 ng
RT: 10.339 min Scan# 1385
Delta R.T. -0.000 min
Lab File: BF142811.D
Acq: 24 Jun 2025 10:16

Tgt Ion:149 Resp: 488058
Ion Ratio Lower Upper
149 100
177 21.2 17.0 25.6
150 12.3 9.8 14.6

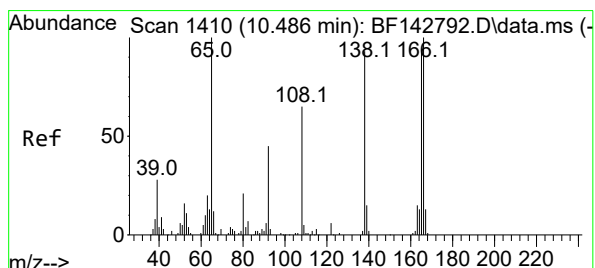
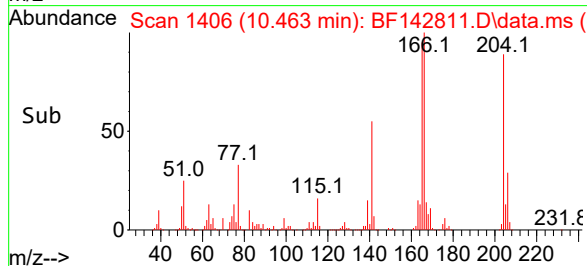
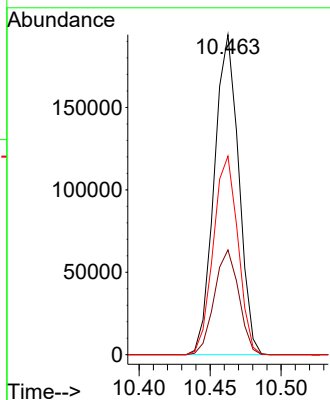
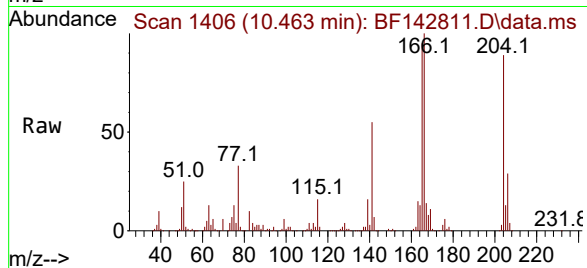




#61
4-Chlorophenyl-phenylether
Concen: 40.750 ng
RT: 10.463 min Scan# 1406
Delta R.T. -0.000 min
Lab File: BF142811.D
Acq: 24 Jun 2025 10:16

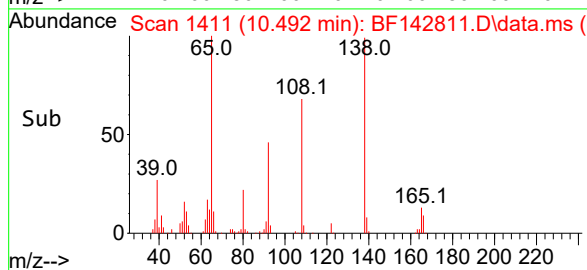
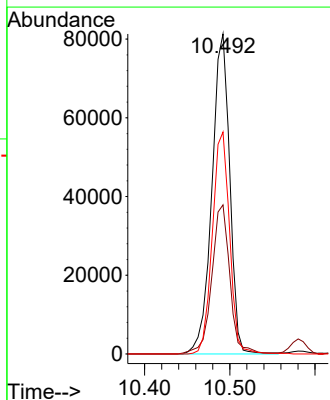
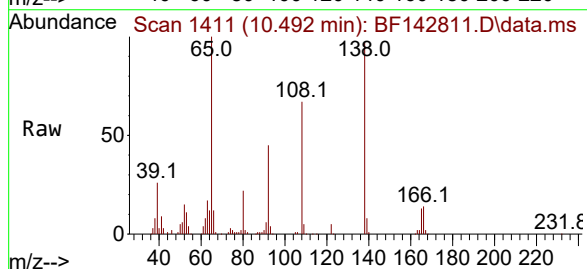
Instrument :
BNA_F
ClientSampleId :
SSTDCCC040

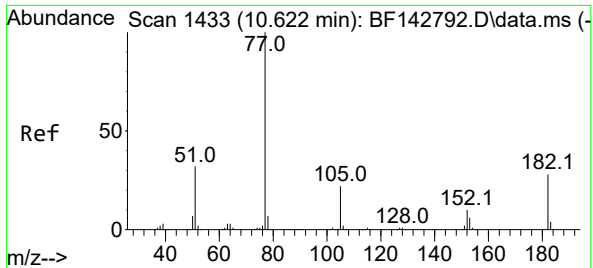
Tgt Ion:204 Resp: 232566
Ion Ratio Lower Upper
204 100
206 32.8 26.3 39.5
141 62.1 49.1 73.7



#62
4-Nitroaniline
Concen: 45.998 ng
RT: 10.492 min Scan# 1411
Delta R.T. 0.006 min
Lab File: BF142811.D
Acq: 24 Jun 2025 10:16

Tgt Ion:138 Resp: 118100
Ion Ratio Lower Upper
138 100
92 46.6 28.4 68.4
108 69.4 50.2 90.2

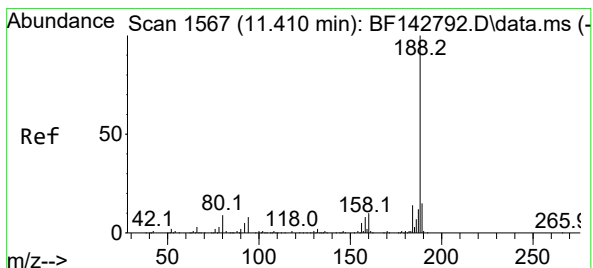
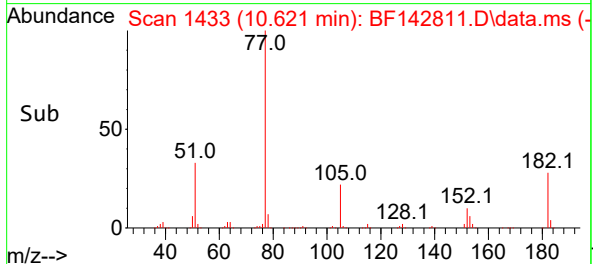
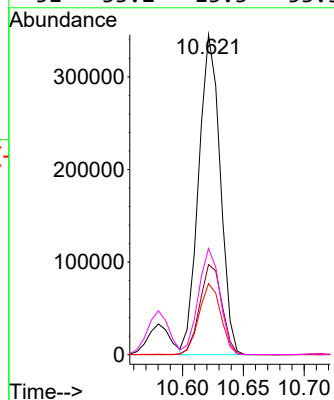
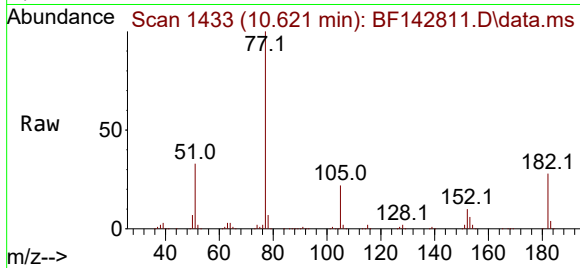




#63
Azobenzene
Concen: 41.858 ng
RT: 10.621 min Scan# 1433
Delta R.T. -0.000 min
Lab File: BF142811.D
Acq: 24 Jun 2025 10:16

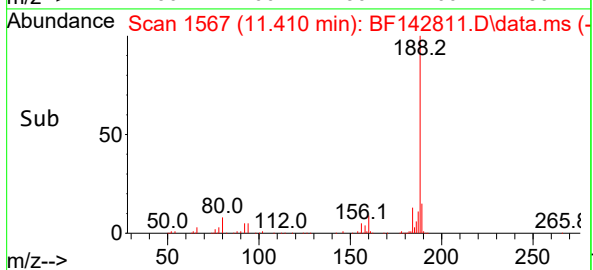
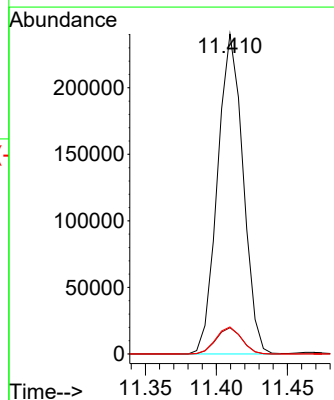
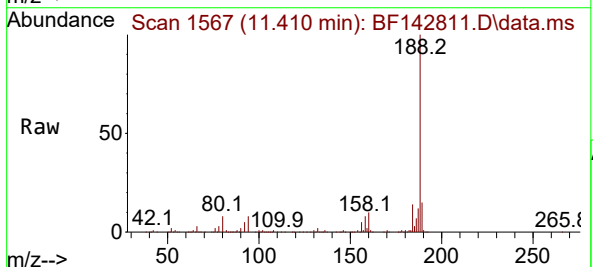
Instrument :
BNA_F
ClientSampleId :
SSTDCCC040

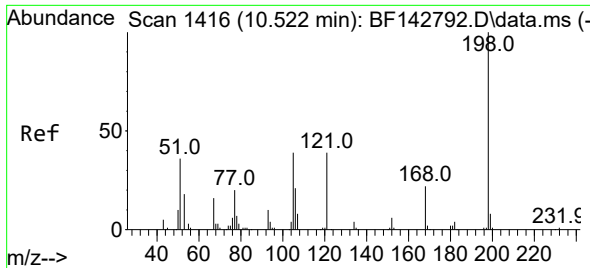
Tgt Ion: 77 Resp: 425881
Ion Ratio Lower Upper
77 100
182 28.1 7.7 47.7
105 22.2 1.9 41.9
51 33.2 13.3 53.3



#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.410 min Scan# 1567
Delta R.T. -0.000 min
Lab File: BF142811.D
Acq: 24 Jun 2025 10:16

Tgt Ion: 188 Resp: 300319
Ion Ratio Lower Upper
188 100
94 8.2 6.7 10.1
80 8.5 6.9 10.3

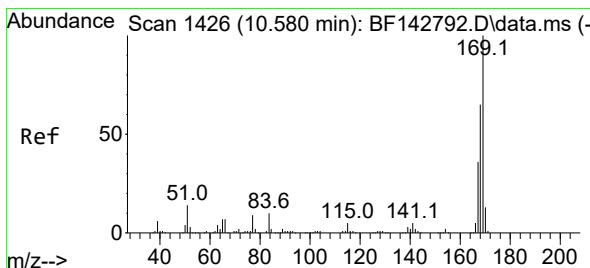
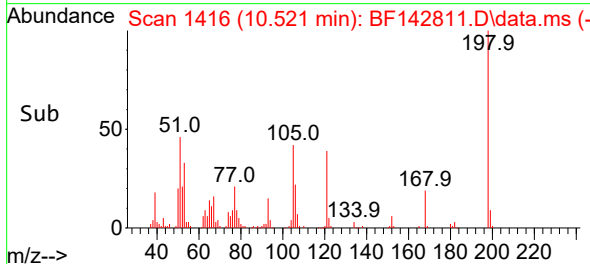
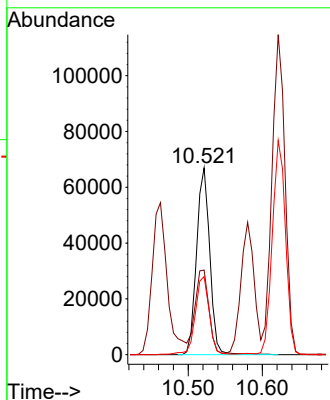
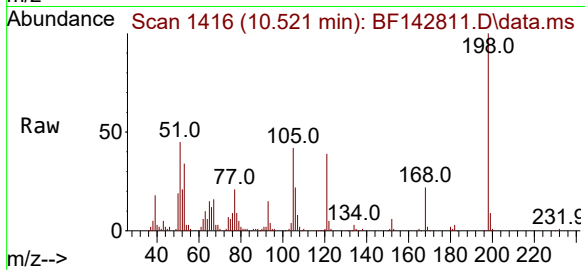




#65
4,6-Dinitro-2-methylphenol
Concen: 45.685 ng
RT: 10.521 min Scan# 1416
Delta R.T. -0.000 min
Lab File: BF142811.D
Acq: 24 Jun 2025 10:16

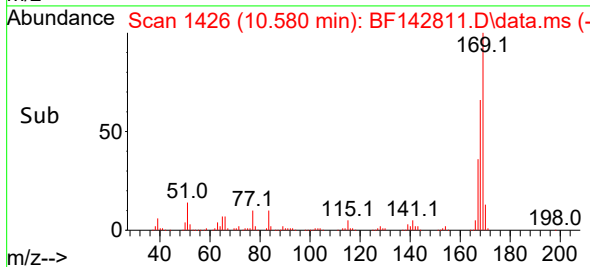
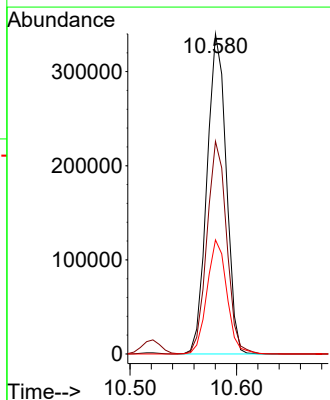
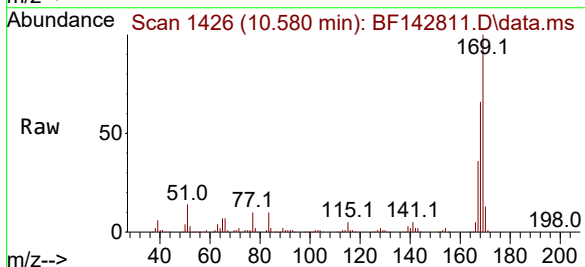
Instrument :
BNA_F
ClientSampleId :
SSTDCCC040

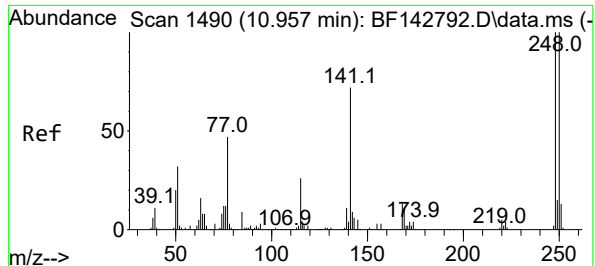
Tgt Ion	Ratio	Lower	Upper
198	100		
51	45.3	25.4	65.4
105	41.8	20.4	60.4



#66
n-Nitrosodiphenylamine
Concen: 41.027 ng
RT: 10.580 min Scan# 1426
Delta R.T. -0.000 min
Lab File: BF142811.D
Acq: 24 Jun 2025 10:16

Tgt Ion	Ratio	Lower	Upper
169	100		
168	66.5	51.9	77.9
167	35.6	28.5	42.7

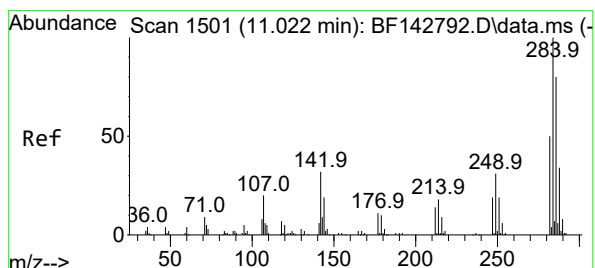
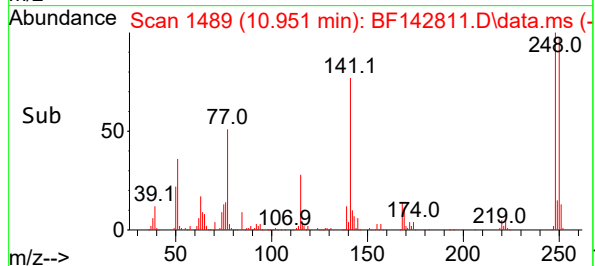
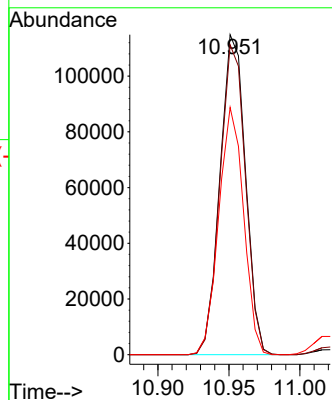
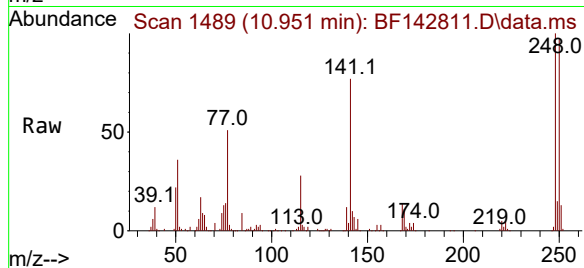




#67
4-Bromophenyl-phenylether
Concen: 42.140 ng
RT: 10.951 min Scan# 1490
Delta R.T. -0.006 min
Lab File: BF142811.D
Acq: 24 Jun 2025 10:16

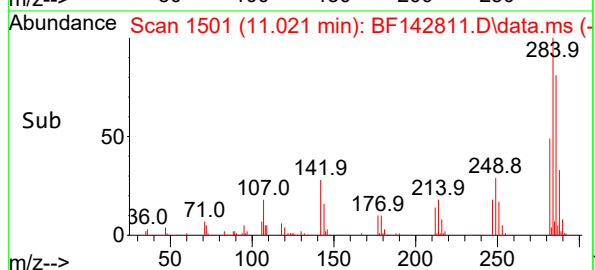
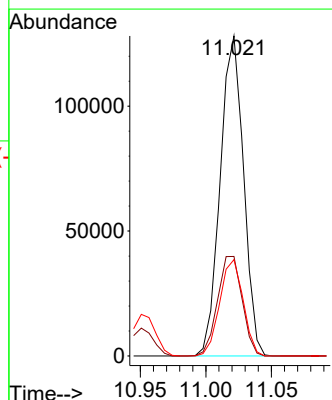
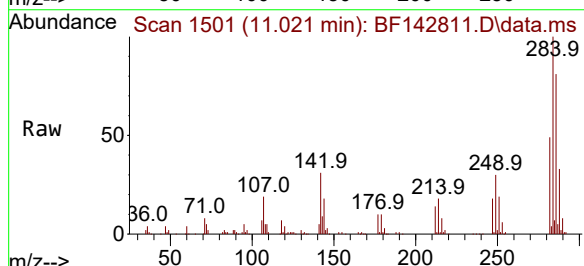
Instrument :
BNA_F
ClientSampleId :
SSTDCCC040

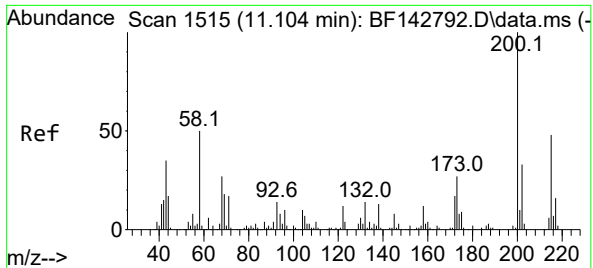
Tgt Ion:248 Resp: 144032
Ion Ratio Lower Upper
248 100
250 96.9 79.8 119.8
141 77.2 57.8 86.6



#68
Hexachlorobenzene
Concen: 41.778 ng
RT: 11.021 min Scan# 1501
Delta R.T. -0.000 min
Lab File: BF142811.D
Acq: 24 Jun 2025 10:16

Tgt Ion:284 Resp: 158667
Ion Ratio Lower Upper
284 100
142 31.1 25.5 38.3
249 30.1 24.9 37.3





#69

Atrazine

Concen: 44.569 ng

RT: 11.104 min Scan# 1515

Delta R.T. -0.000 min

Lab File: BF142811.D

Acq: 24 Jun 2025 10:16

Instrument :

BNA_F

ClientSampleId :

SSTDCCC040

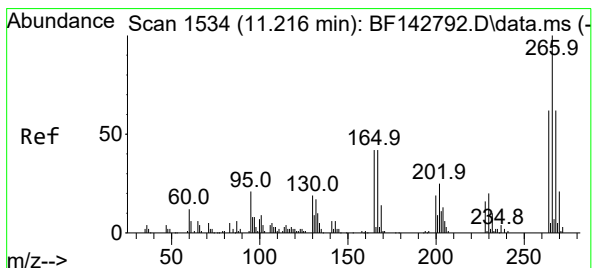
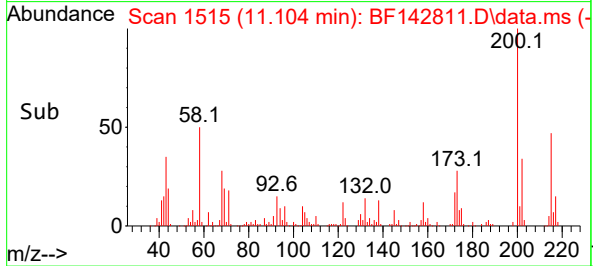
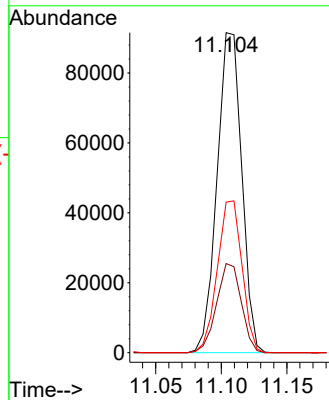
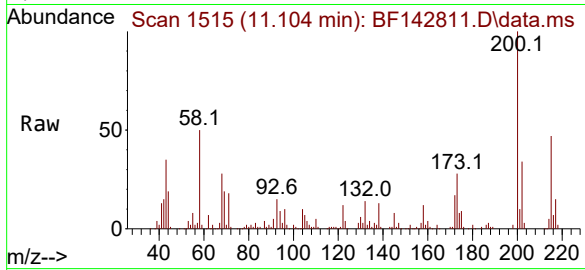
Tgt Ion:200 Resp: 119790

Ion Ratio Lower Upper

200 100

173 27.8 7.4 47.4

215 47.1 28.4 68.4



#70

Pentachlorophenol

Concen: 45.028 ng

RT: 11.215 min Scan# 1534

Delta R.T. -0.000 min

Lab File: BF142811.D

Acq: 24 Jun 2025 10:16

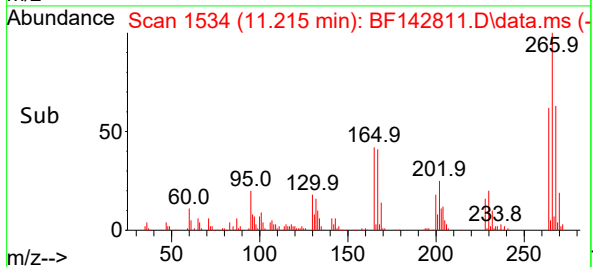
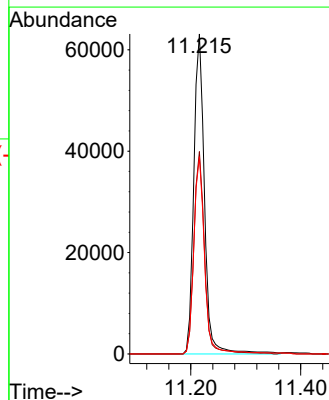
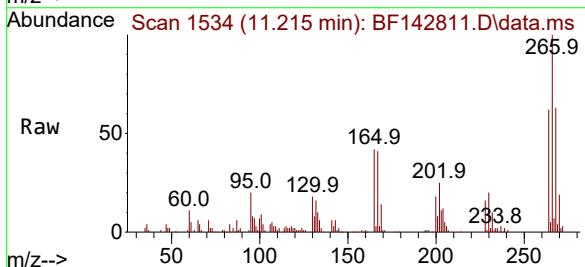
Tgt Ion:266 Resp: 85215

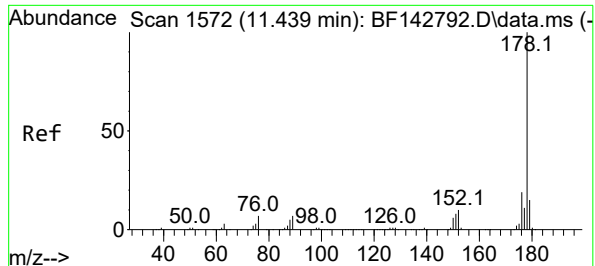
Ion Ratio Lower Upper

266 100

268 63.2 49.8 74.8

264 61.7 49.9 74.9





#71

Phenanthrene

Concen: 41.425 ng

RT: 11.433 min Scan# 1571

Delta R.T. -0.006 min

Lab File: BF142811.D

Acq: 24 Jun 2025 10:16

Instrument :

BNA_F

ClientSampleId :

SSTDCCC040

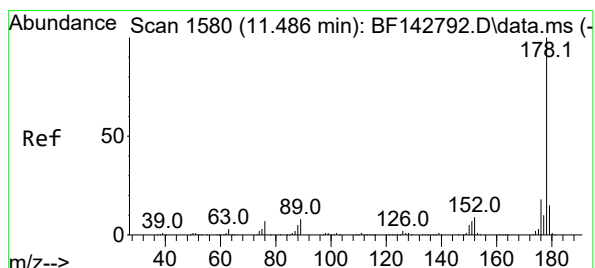
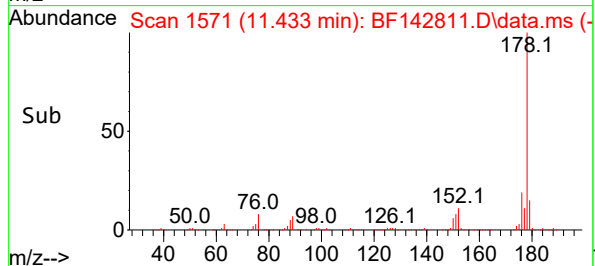
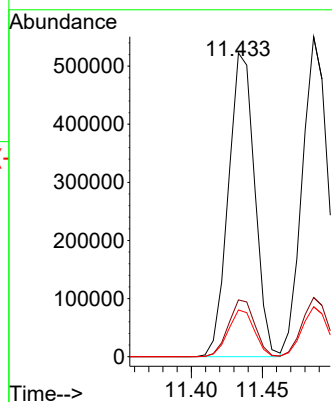
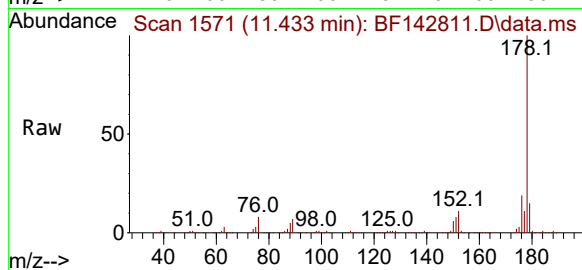
Tgt Ion:178 Resp: 673912

Ion Ratio Lower Upper

178 100

176 18.7 15.1 22.7

179 15.4 12.0 18.0



#72

Anthracene

Concen: 41.222 ng

RT: 11.486 min Scan# 1580

Delta R.T. -0.000 min

Lab File: BF142811.D

Acq: 24 Jun 2025 10:16

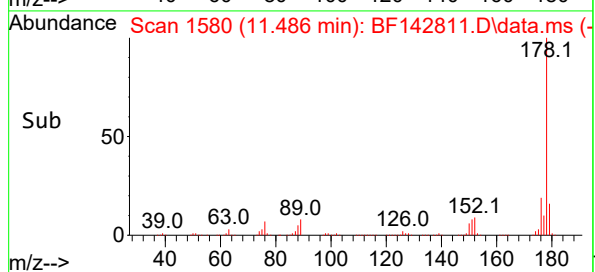
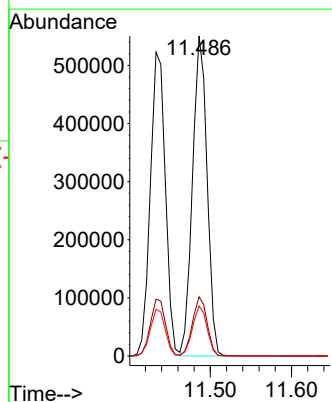
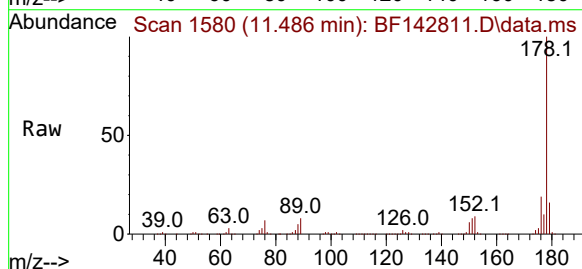
Tgt Ion:178 Resp: 687776

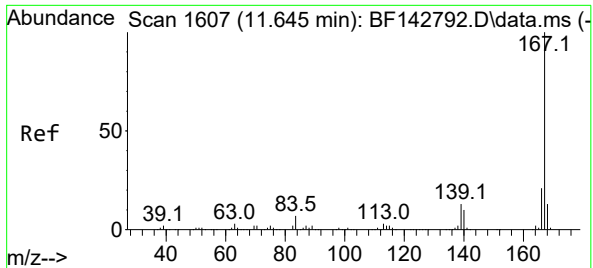
Ion Ratio Lower Upper

178 100

176 18.5 14.6 21.8

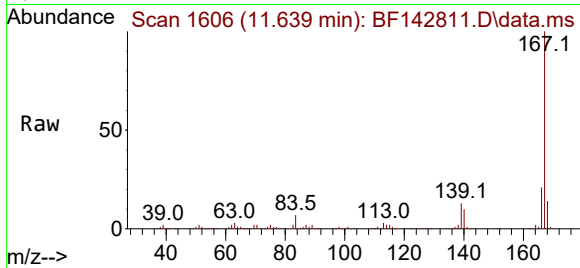
179 15.6 12.4 18.6



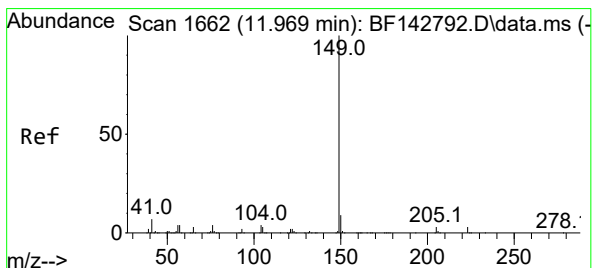
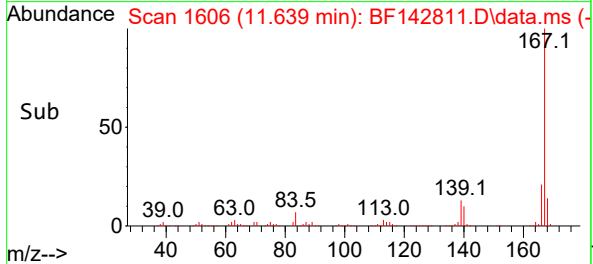
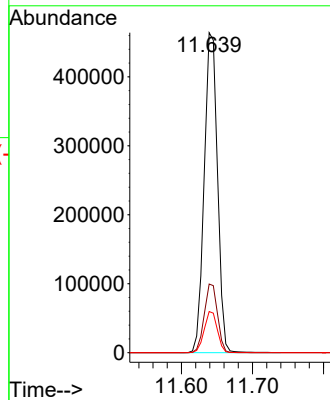


#73
Carbazole
Concen: 42.083 ng
RT: 11.639 min Scan# 1606
Delta R.T. -0.006 min
Lab File: BF142811.D
Acq: 24 Jun 2025 10:16

Instrument :
BNA_F
ClientSampleId :
SSTDCCC040

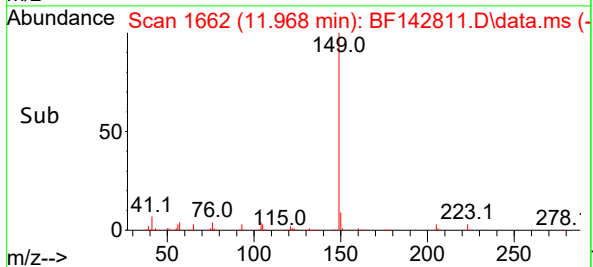
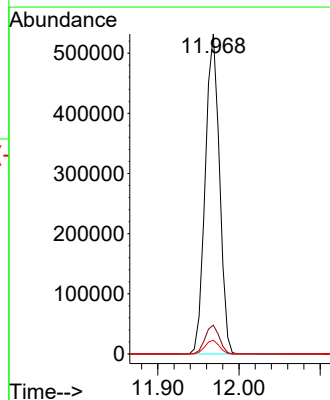
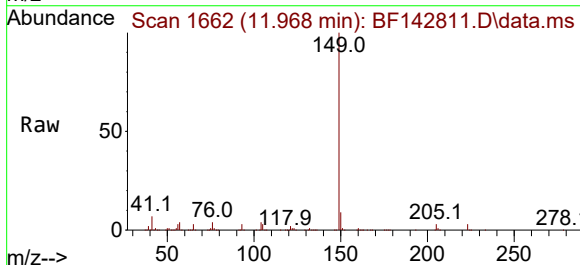


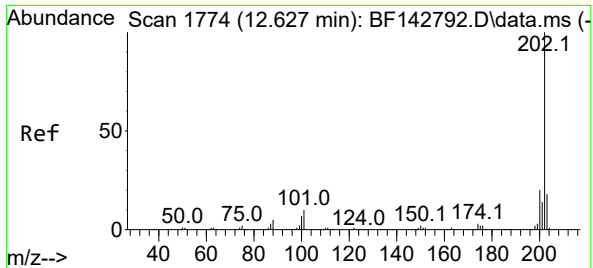
Tgt Ion:167 Resp: 605919
Ion Ratio Lower Upper
167 100
166 21.5 17.0 25.4
139 12.8 10.2 15.2



#74
Di-n-butylphthalate
Concen: 43.052 ng
RT: 11.968 min Scan# 1662
Delta R.T. -0.000 min
Lab File: BF142811.D
Acq: 24 Jun 2025 10:16

Tgt Ion:149 Resp: 645750
Ion Ratio Lower Upper
149 100
150 9.0 7.4 11.0
104 4.3 3.5 5.3

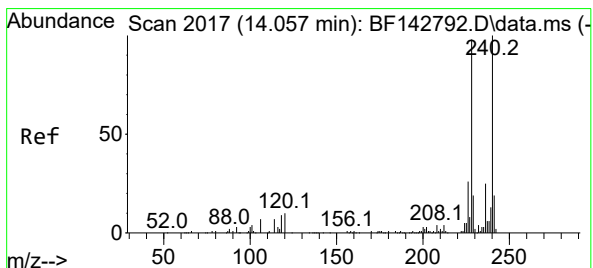
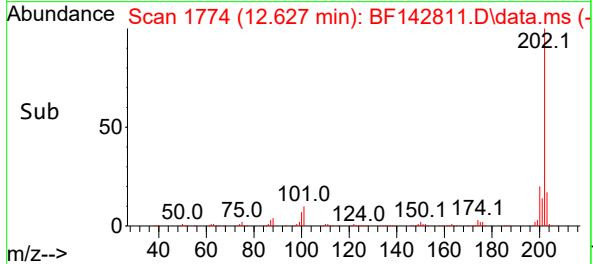
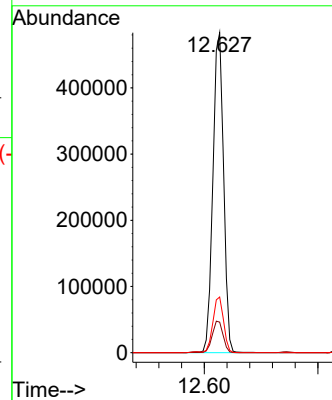
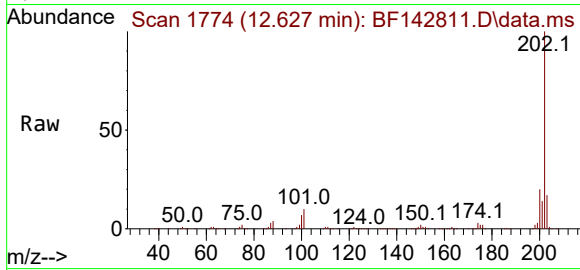




#75
Fluoranthene
Concen: 40.630 ng
RT: 12.627 min Scan# 1774
Delta R.T. -0.000 min
Lab File: BF142811.D
Acq: 24 Jun 2025 10:16

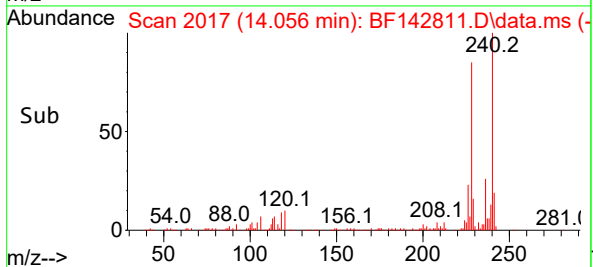
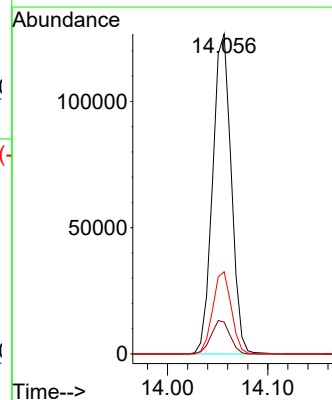
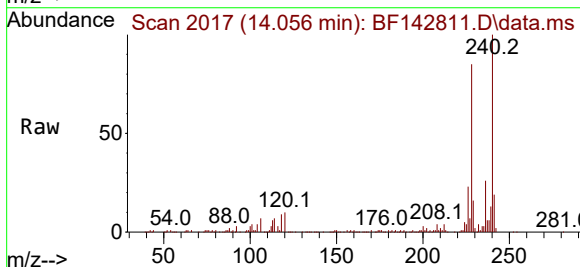
Instrument :
BNA_F
ClientSampleId :
SSTDCCC040

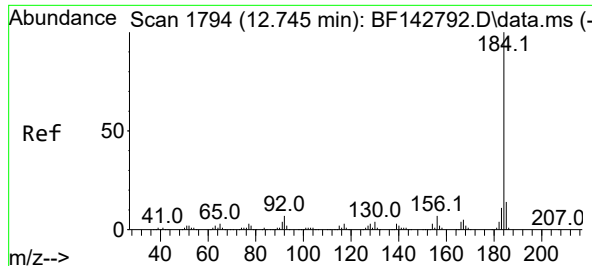
Tgt Ion:202 Resp: 627298
Ion Ratio Lower Upper
202 100
101 9.6 0.0 29.7
203 17.4 0.0 37.5



#76
Chrysene-d12
Concen: 20.000 ng
RT: 14.056 min Scan# 2017
Delta R.T. -0.000 min
Lab File: BF142811.D
Acq: 24 Jun 2025 10:16

Tgt Ion:240 Resp: 163667
Ion Ratio Lower Upper
240 100
120 10.0 8.2 12.2
236 25.7 19.8 29.8





#77

Benzidine

Concen: 42.912 ng

RT: 12.745 min Scan# 1

Delta R.T. -0.000 min

Lab File: BF142811.D

Acq: 24 Jun 2025 10:16

Instrument :

BNA_F

ClientSampleId :

SSTDCCC040

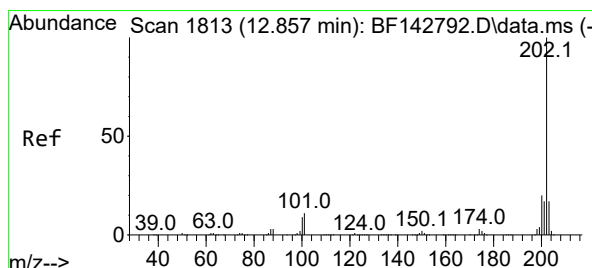
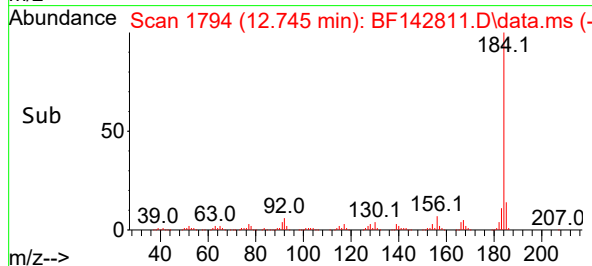
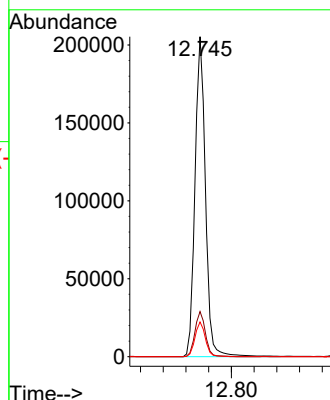
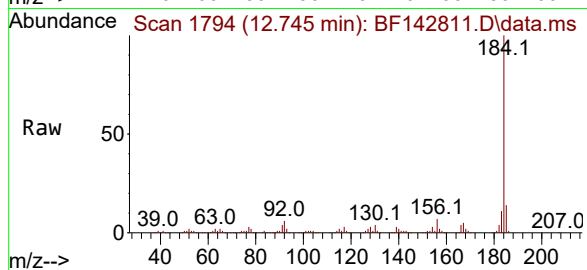
Tgt Ion:184 Resp: 263874

Ion Ratio Lower Upper

184 100

185 14.1 11.5 17.3

183 10.8 9.0 13.4



#78

Pyrene

Concen: 40.580 ng

RT: 12.857 min Scan# 1813

Delta R.T. -0.000 min

Lab File: BF142811.D

Acq: 24 Jun 2025 10:16

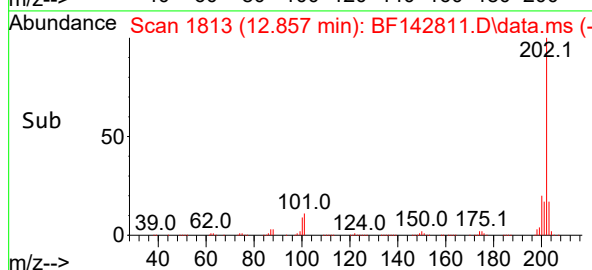
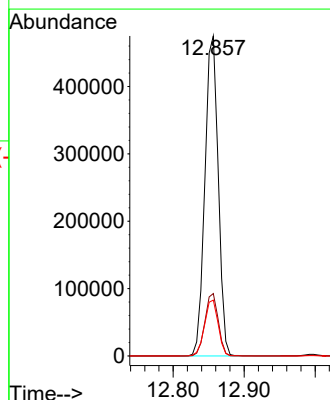
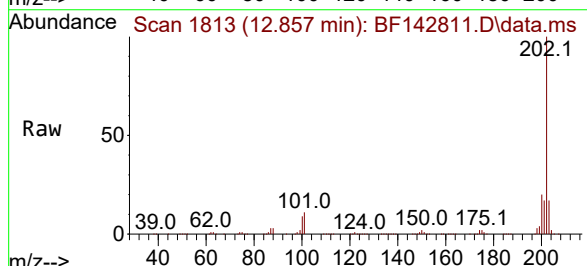
Tgt Ion:202 Resp: 622546

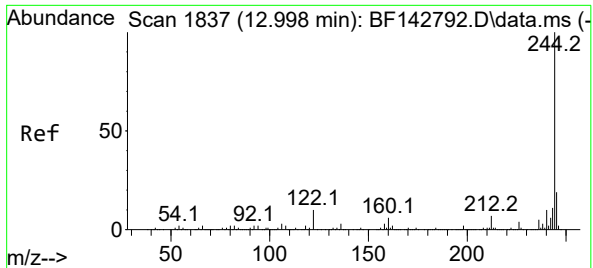
Ion Ratio Lower Upper

202 100

200 19.5 15.7 23.5

203 17.4 13.8 20.6





#79

Terphenyl-d14

Concen: 77.725 ng

RT: 12.998 min Scan# 1837

Delta R.T. -0.000 min

Lab File: BF142811.D

Acq: 24 Jun 2025 10:16

Instrument :

BNA_F

ClientSampleId :

SSTDCCC040

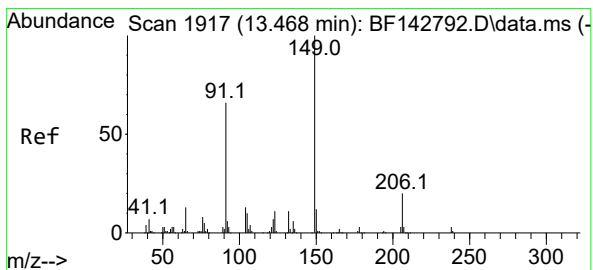
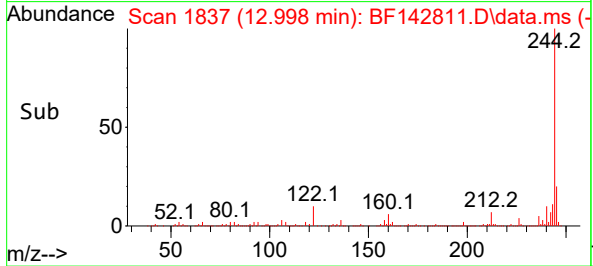
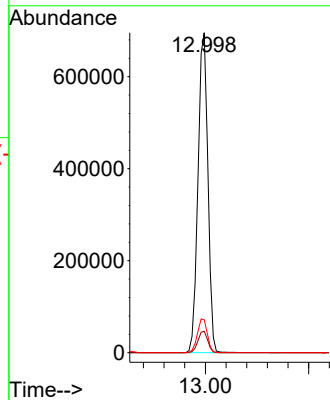
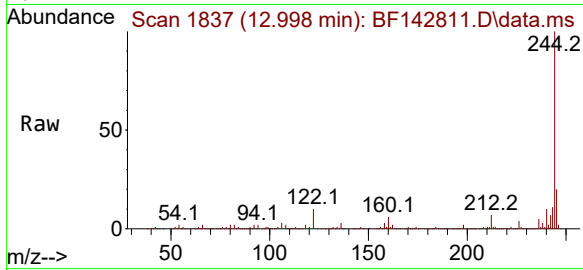
Tgt Ion:244 Resp: 920683

Ion Ratio Lower Upper

244 100

212 6.7 5.4 8.0

122 10.3 8.2 12.2



#80

Butylbenzylphthalate

Concen: 43.185 ng

RT: 13.468 min Scan# 1917

Delta R.T. -0.000 min

Lab File: BF142811.D

Acq: 24 Jun 2025 10:16

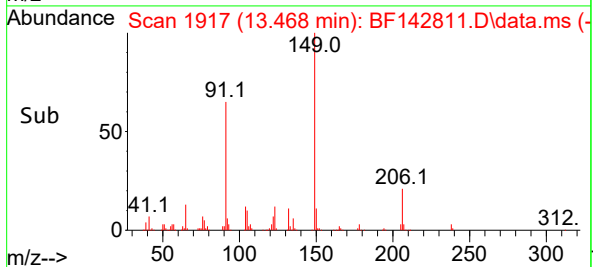
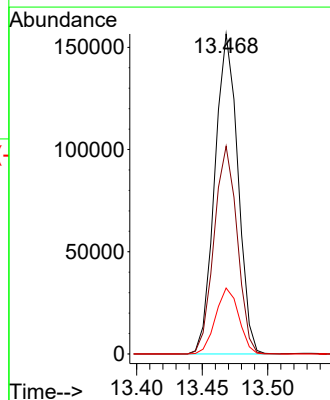
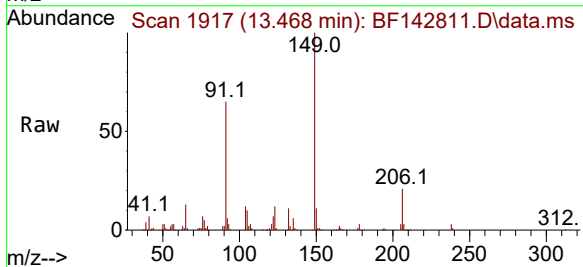
Tgt Ion:149 Resp: 192178

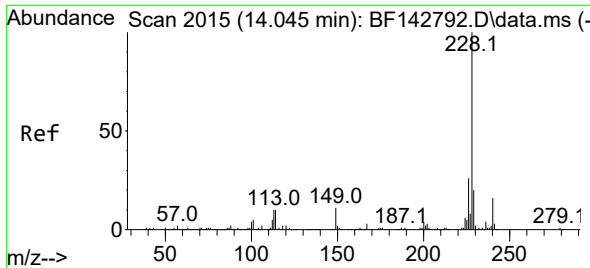
Ion Ratio Lower Upper

149 100

91 64.9 52.9 79.3

206 20.6 16.3 24.5

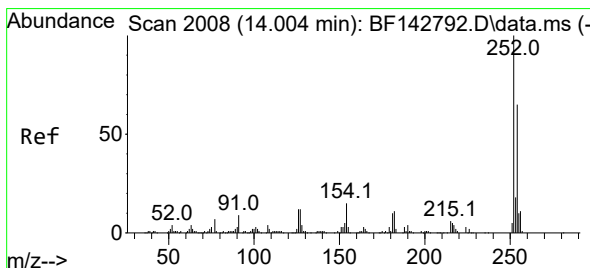
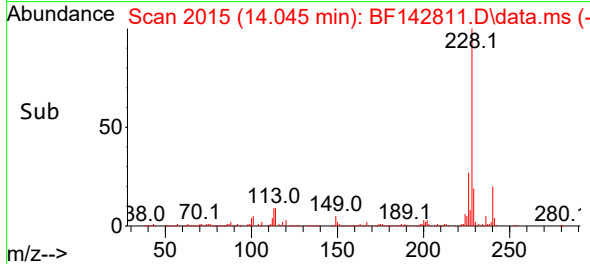
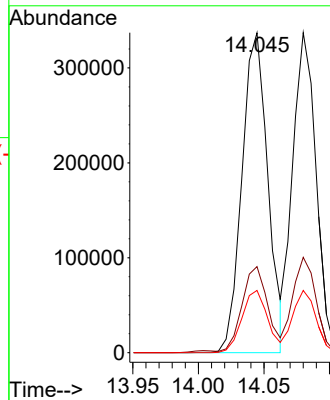
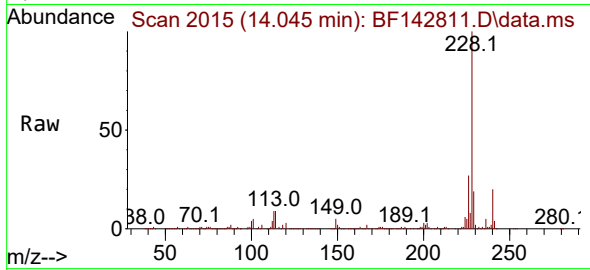




#81
Benzo(a)anthracene
Concen: 41.906 ng
RT: 14.045 min Scan# 2015
Delta R.T. -0.000 min
Lab File: BF142811.D
Acq: 24 Jun 2025 10:16

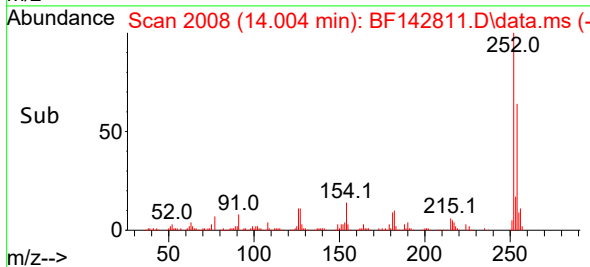
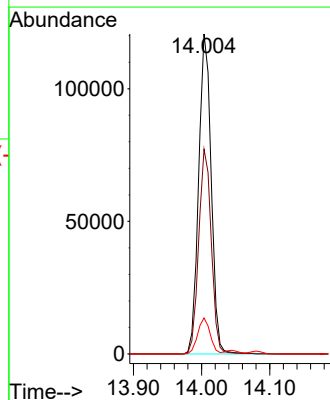
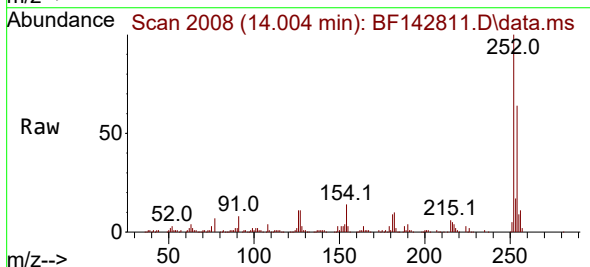
Instrument :
BNA_F
ClientSampleId :
SSTDCCC040

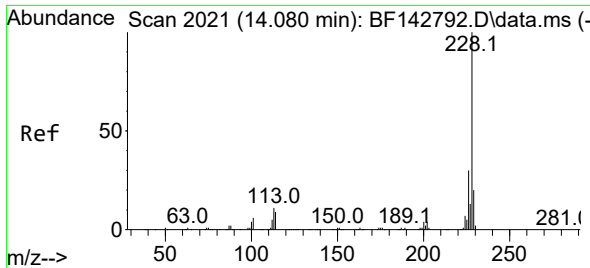
Tgt Ion:228 Resp: 462690
Ion Ratio Lower Upper
228 100
226 26.9 21.2 31.8
229 19.4 15.6 23.4



#82
3,3'-Dichlorobenzidine
Concen: 43.156 ng
RT: 14.004 min Scan# 2008
Delta R.T. -0.000 min
Lab File: BF142811.D
Acq: 24 Jun 2025 10:16

Tgt Ion:252 Resp: 154551
Ion Ratio Lower Upper
252 100
254 64.0 51.7 77.5
126 11.2 9.4 14.2





#83

Chrysene

Concen: 42.644 ng

RT: 14.080 min Scan# 2021

Delta R.T. -0.000 min

Lab File: BF142811.D

Acq: 24 Jun 2025 10:16

Instrument :

BNA_F

ClientSampleId :

SSTDCCC040

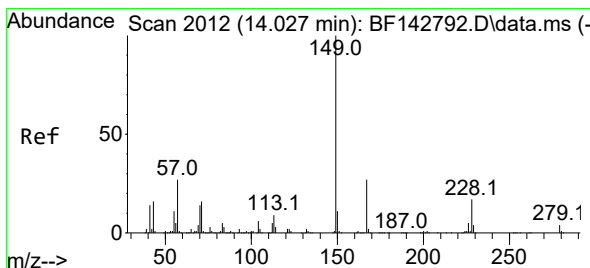
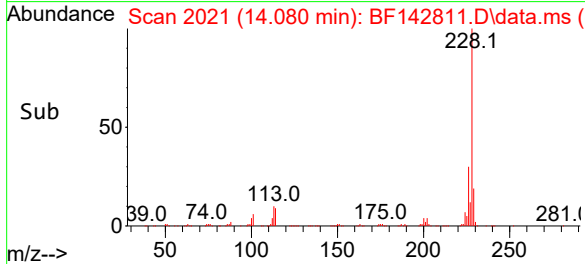
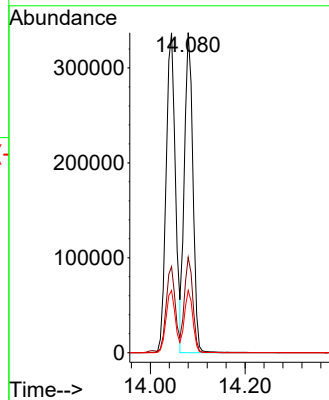
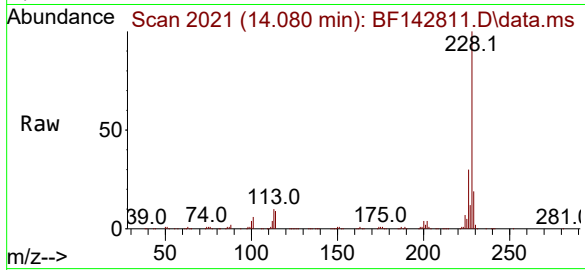
Tgt Ion:228 Resp: 420140

Ion Ratio Lower Upper

228 100

226 29.8 23.7 35.5

229 19.4 15.7 23.5



#84

Bis(2-ethylhexyl)phthalate

Concen: 42.250 ng

RT: 14.027 min Scan# 2012

Delta R.T. -0.000 min

Lab File: BF142811.D

Acq: 24 Jun 2025 10:16

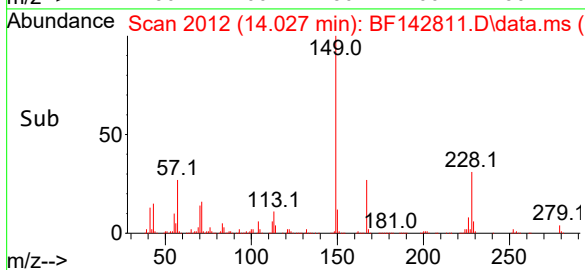
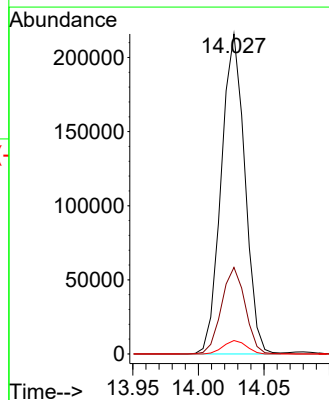
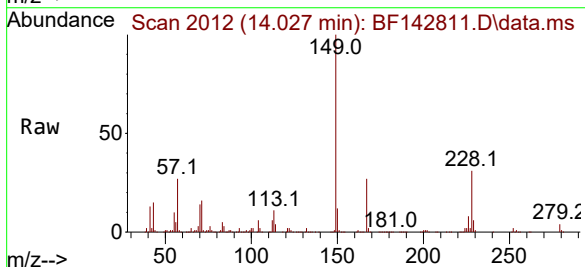
Tgt Ion:149 Resp: 270514

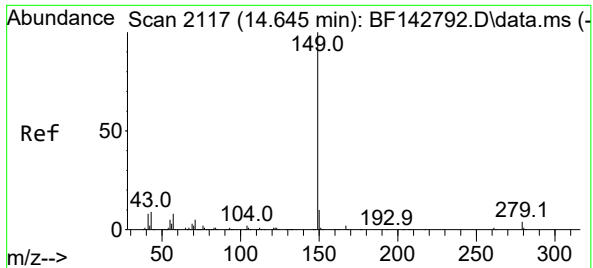
Ion Ratio Lower Upper

149 100

167 27.1 21.4 32.0

279 4.2 3.0 4.6

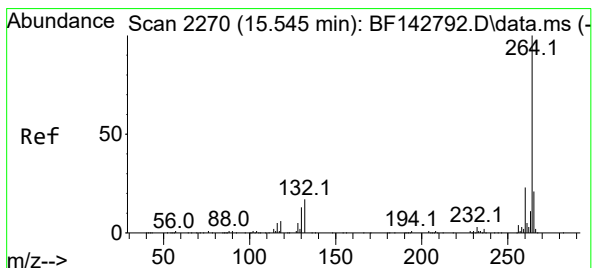
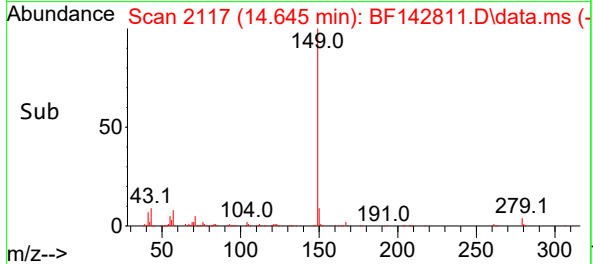
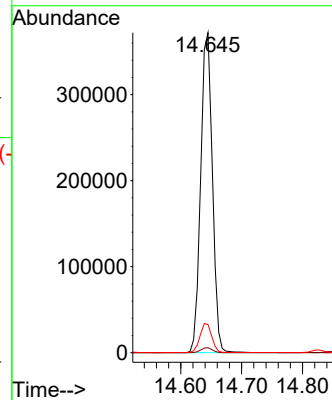
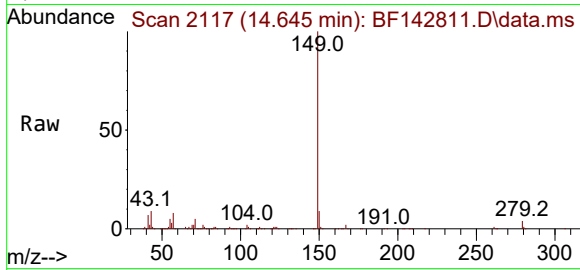




#85
Di-n-octyl phthalate
Concen: 41.181 ng
RT: 14.645 min Scan# 2117
Delta R.T. -0.000 min
Lab File: BF142811.D
Acq: 24 Jun 2025 10:16

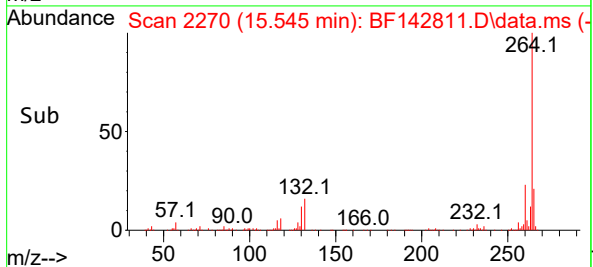
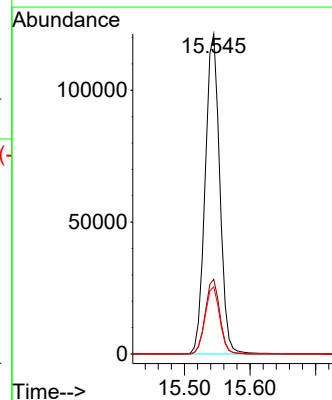
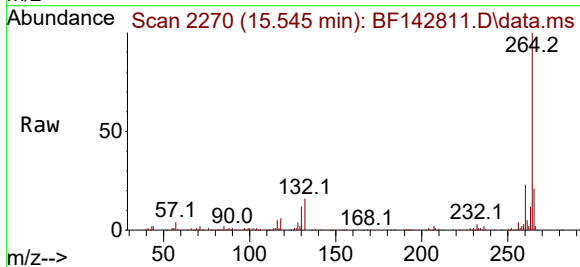
Instrument :
BNA_F
ClientSampleId :
SSTDCCC040

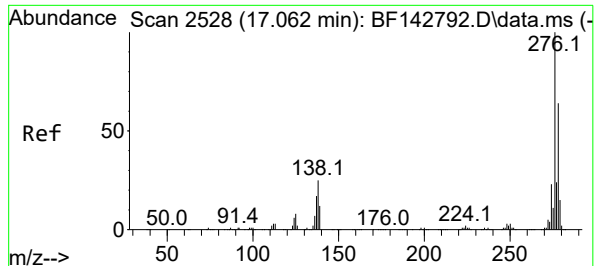
Tgt Ion:149 Resp: 497177
Ion Ratio Lower Upper
149 100
167 1.5 1.3 1.9
43 9.1 7.6 11.4



#86
Perylene-d12
Concen: 20.000 ng
RT: 15.545 min Scan# 2270
Delta R.T. -0.000 min
Lab File: BF142811.D
Acq: 24 Jun 2025 10:16

Tgt Ion:264 Resp: 187854
Ion Ratio Lower Upper
264 100
260 23.3 18.1 27.1
265 20.9 16.6 25.0





#87

Indeno(1,2,3-cd)pyrene

Concen: 41.346 ng

RT: 17.056 min Scan# 2195

Delta R.T. -0.006 min

Lab File: BF142811.D

Acq: 24 Jun 2025 10:16

Instrument :

BNA_F

ClientSampleId :

SSTDCCC040

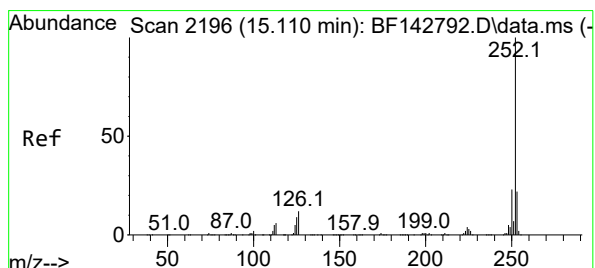
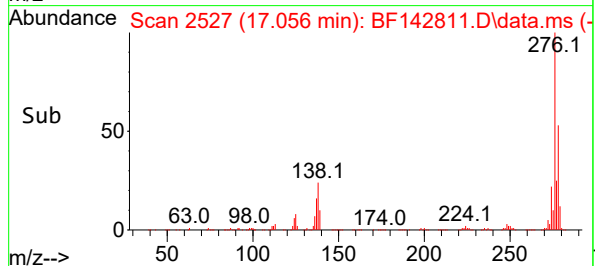
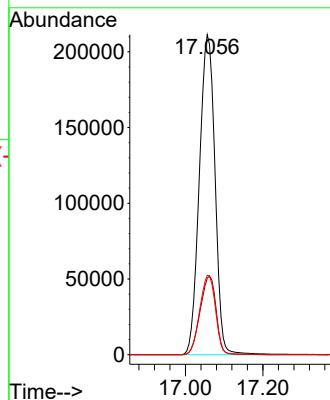
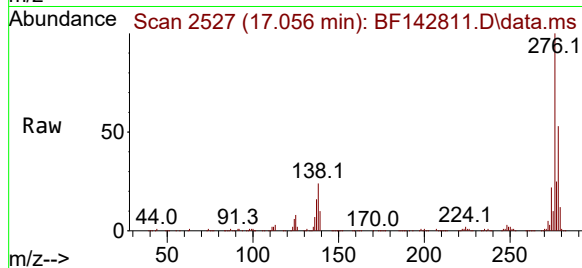
Tgt Ion:276 Resp: 591613

Ion Ratio Lower Upper

276 100

138 25.0 20.2 30.4

277 25.0 19.8 29.6



#88

Benzo(b)fluoranthene

Concen: 43.932 ng

RT: 15.103 min Scan# 2195

Delta R.T. -0.006 min

Lab File: BF142811.D

Acq: 24 Jun 2025 10:16

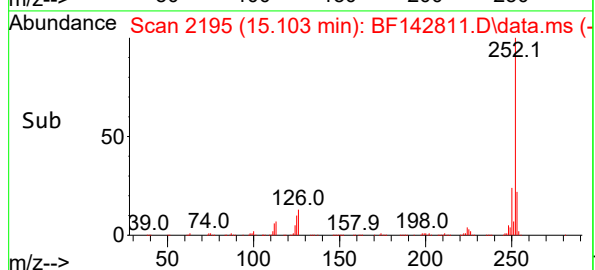
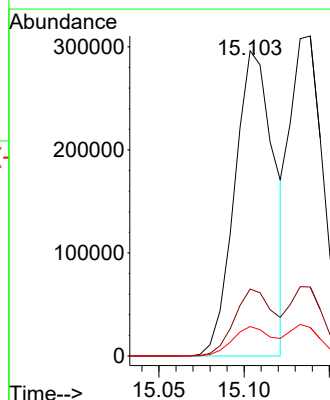
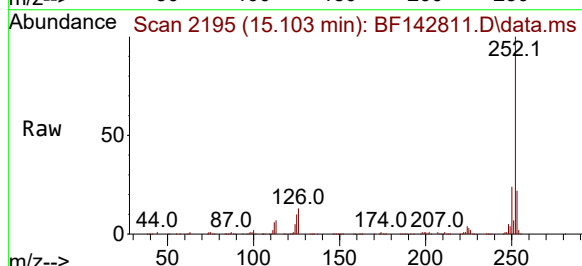
Tgt Ion:252 Resp: 477548

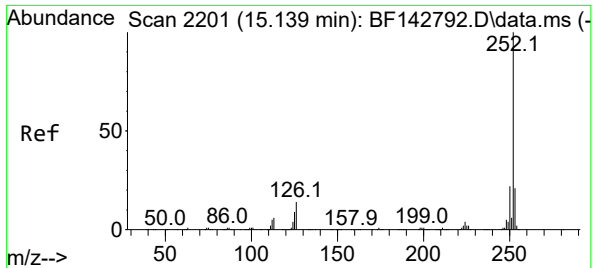
Ion Ratio Lower Upper

252 100

253 21.9 17.5 26.3

125 9.7 7.4 11.0





#89

Benzo(k)fluoranthene

Concen: 41.646 ng

RT: 15.139 min Scan# 21

Delta R.T. -0.000 min

Lab File: BF142811.D

Acq: 24 Jun 2025 10:16

Instrument :

BNA_F

ClientSampleId :

SSTDCCC040

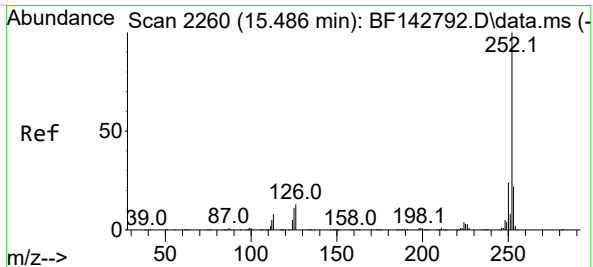
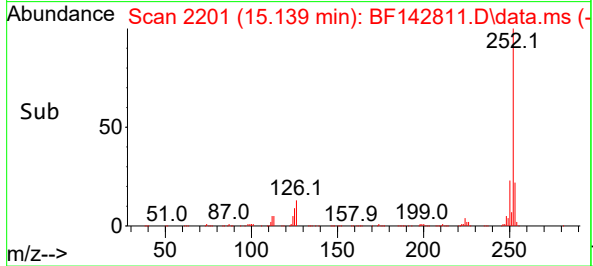
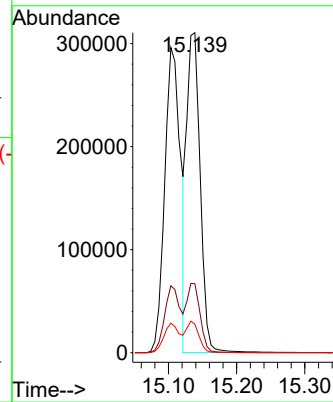
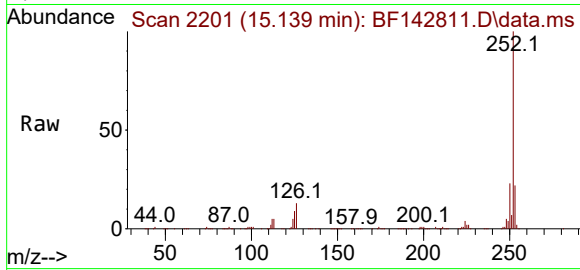
Tgt Ion:252 Resp: 423530

Ion Ratio Lower Upper

252 100

253 21.6 17.2 25.8

125 8.9 7.4 11.2



#90

Benzo(a)pyrene

Concen: 42.856 ng

RT: 15.480 min Scan# 2259

Delta R.T. -0.006 min

Lab File: BF142811.D

Acq: 24 Jun 2025 10:16

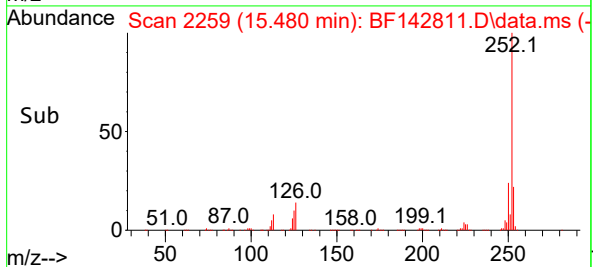
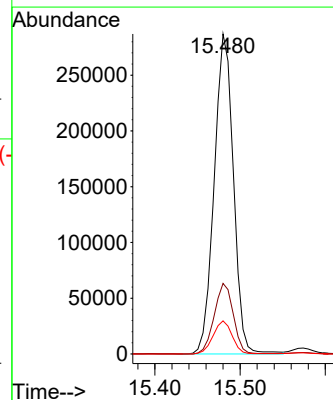
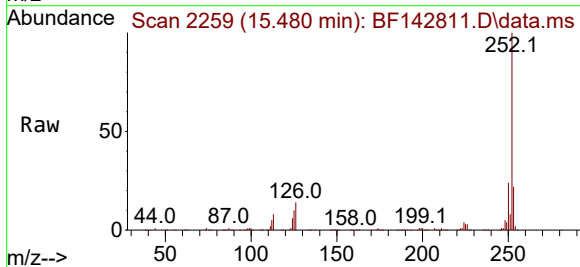
Tgt Ion:252 Resp: 450041

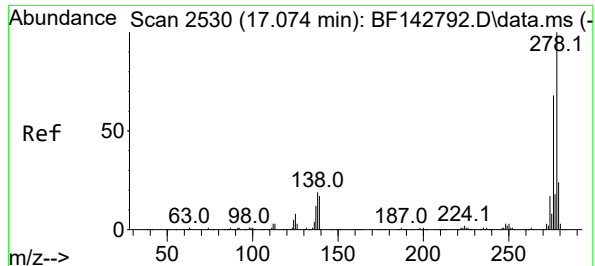
Ion Ratio Lower Upper

252 100

253 22.1 17.5 26.3

125 10.4 8.6 12.8





#91

Dibenzo(a,h)anthracene

Concen: 41.007 ng

RT: 17.074 min Scan# 21

Delta R.T. -0.000 min

Lab File: BF142811.D

Acq: 24 Jun 2025 10:16

Instrument :

BNA_F

ClientSampleId :

SSTDCCC040

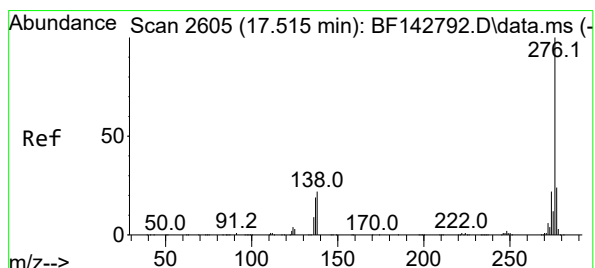
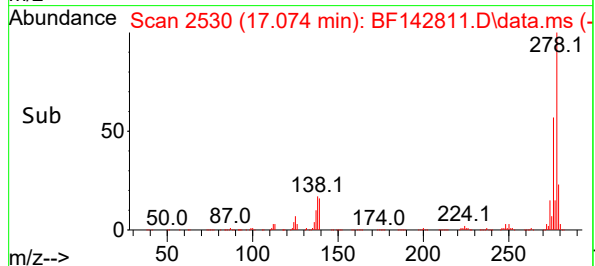
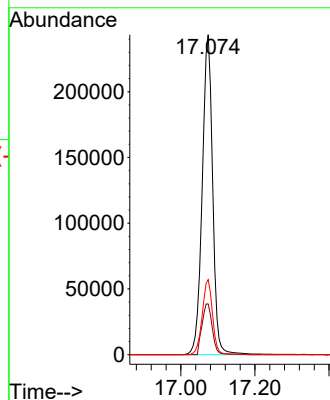
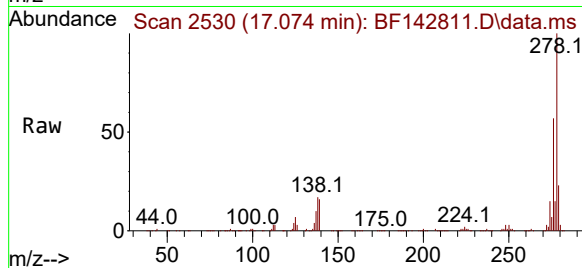
Tgt Ion:278 Resp: 476750

Ion Ratio Lower Upper

278 100

139 15.9 13.5 20.3

279 23.4 18.8 28.2



#92

Benzo(g,h,i)perylene

Concen: 41.096 ng

RT: 17.515 min Scan# 2605

Delta R.T. -0.000 min

Lab File: BF142811.D

Acq: 24 Jun 2025 10:16

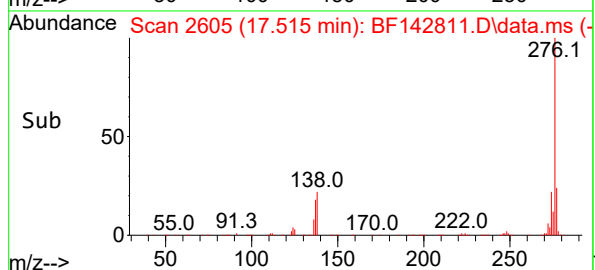
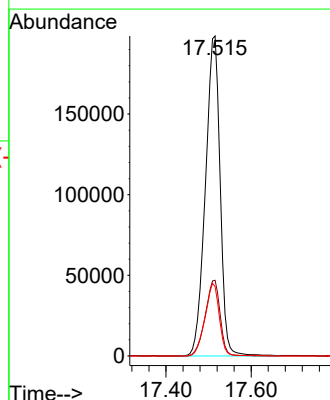
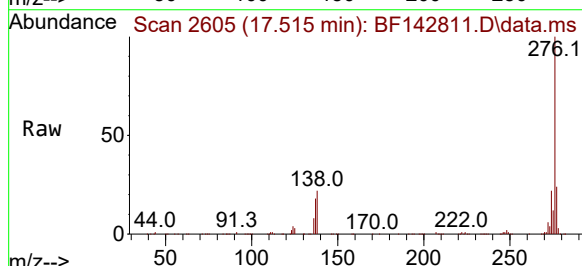
Tgt Ion:276 Resp: 476423

Ion Ratio Lower Upper

276 100

277 23.7 18.8 28.2

138 21.7 17.6 26.4



Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF062425\
 Data File : BF142811.D
 Acq On : 24 Jun 2025 10:16
 Operator : RC/JU
 Sample : SSTDCCC040
 Misc :
 ALS Vial : 2 Sample Multiplier: 1

Instrument :
 BNA_F
 LabSampleId :
 SSTDCCC040

Quant Time: Jun 24 11:38:54 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	106	0.00
2	1,4-Dioxane	0.480	0.520	-8.3	119	0.00
3	Pyridine	1.205	1.312	-8.9	119	0.00
4	n-Nitrosodimethylamine	0.623	0.665	-6.7	118	0.01
5 S	2-Fluorophenol	1.201	1.291	-7.5	119	0.00
6	Aniline	1.886	2.056	-9.0	119	0.00
7 S	Phenol-d6	1.417	1.525	-7.6	120	0.00
8	2-Chlorophenol	1.296	1.398	-7.9	119	0.00
9	Benzaldehyde	0.841	0.794	5.6	111	0.00
10 C	Phenol	1.575	1.704	-8.2	119	0.00
11	bis(2-Chloroethyl)ether	1.126	1.218	-8.2	120	0.00
12	1,3-Dichlorobenzene	1.449	1.535	-5.9	118	0.00
13 C	1,4-Dichlorobenzene	1.462	1.552	-6.2	116	0.00
14	1,2-Dichlorobenzene	1.387	1.472	-6.1	117	0.00
15	Benzyl Alcohol	1.025	1.126	-9.9	122	0.00
16	2,2'-oxybis(1-Chloropropane	1.809	1.882	-4.0	115	0.00
17	2-Methylphenol	0.982	1.064	-8.4	120	0.00
18	Hexachloroethane	0.511	0.538	-5.3	114	0.00
19 P	n-Nitroso-di-n-propylamine	0.824	0.878	-6.6	118	0.00
20	3+4-Methylphenols	1.224	1.330	-8.7	119	0.00
21 I	Naphthalene-d8	1.000	1.000	0.0	107	0.00
22	Acetophenone	0.441	0.464	-5.2	119	0.00
23 S	Nitrobenzene-d5	0.365	0.392	-7.4	119	0.00
24	Nitrobenzene	0.330	0.354	-7.3	119	0.00
25	Isophorone	0.585	0.629	-7.5	121	0.00
26 C	2-Nitrophenol	0.180	0.200	-11.1	120	0.00
27	2,4-Dimethylphenol	0.311	0.334	-7.4	119	0.00
28	bis(2-Chloroethoxy)methane	0.372	0.395	-6.2	119	0.00
29 C	2,4-Dichlorophenol	0.282	0.303	-7.4	119	0.00
30	1,2,4-Trichlorobenzene	0.310	0.325	-4.8	116	0.00
31	Naphthalene	0.979	1.037	-5.9	119	0.00
32	Benzoic acid	0.159	0.189	-18.9	129	0.01
33	4-Chloroaniline	0.398	0.430	-8.0	122	0.00
34 C	Hexachlorobutadiene	0.190	0.198	-4.2	115	0.00
35	Caprolactam	0.075	0.089	-18.7	133	0.00
36 C	4-Chloro-3-methylphenol	0.281	0.306	-8.9	122	0.00
37	2-Methylnaphthalene	0.607	0.642	-5.8	119	0.00
38	1-Methylnaphthalene	0.628	0.669	-6.5	120	0.00
39 I	Acenaphthene-d10	1.000	1.000	0.0	111	0.00
40	1,2,4,5-Tetrachlorobenzene	0.590	0.606	-2.7	120	0.00
41 P	Hexachlorocyclopentadiene	0.335	0.363	-8.4	119	0.00
42 S	2,4,6-Tribromophenol	0.206	0.220	-6.8	121	0.00
43 C	2,4,6-Trichlorophenol	0.385	0.402	-4.4	122	0.00
44	2,4,5-Trichlorophenol	0.405	0.431	-6.4	122	0.00
45 S	2-Fluorobiphenyl	1.522	1.513	0.6	117	0.00
46	1,1'-Biphenyl	1.580	1.627	-3.0	120	0.00
47	2-Chloronaphthalene	1.186	1.226	-3.4	120	0.00

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF062425\
 Data File : BF142811.D
 Acq On : 24 Jun 2025 10:16
 Operator : RC/JU
 Sample : SSTDCCC040
 Misc :
 ALS Vial : 2 Sample Multiplier: 1

Instrument :
 BNA_F
 LabSampleId :
 SSTDCCC040

Quant Time: Jun 24 11:38:54 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	0.365	-9.9	125	0.00
49	Acenaphthylene	1.952	2.032	-4.1	121	0.00
50	Dimethylphthalate	1.295	1.370	-5.8	123	0.00
51	2,6-Dinitrotoluene	0.284	0.307	-8.1	123	0.00
52 C	Acenaphthene	1.191	1.256	-5.5	122	0.00
53	3-Nitroaniline	0.313	0.349	-11.5	128	0.00
54 P	2,4-Dinitrophenol	0.142	0.166	-16.9	130	0.00
55	Dibenzofuran	1.708	1.783	-4.4	121	0.00
56 P	4-Nitrophenol	0.214	0.246	-15.0	131	0.00
57	2,4-Dinitrotoluene	0.378	0.420	-11.1	127	0.00
58	Fluorene	1.334	1.373	-2.9	121	0.00
59	2,3,4,6-Tetrachlorophenol	0.326	0.344	-5.5	122	0.00
60	Diethylphthalate	1.269	1.361	-7.2	124	0.00
61	4-Chlorophenyl-phenylether	0.636	0.648	-1.9	120	0.00
62	4-Nitroaniline	0.286	0.329	-15.0	134	0.00
63	Azobenzene	1.134	1.187	-4.7	122	0.00
64 I	Phenanthrene-d10	1.000	1.000	0.0	114	0.00
65	4,6-Dinitro-2-methylphenol	0.121	0.138	-14.0	132	0.00
66 c	n-Nitrosodiphenylamine	0.693	0.711	-2.6	121	0.00
67	4-Bromophenyl-phenylether	0.228	0.240	-5.3	125	0.00
68	Hexachlorobenzene	0.253	0.264	-4.3	125	0.00
69	Atrazine	0.179	0.199	-11.2	131	0.00
70 C	Pentachlorophenol	0.126	0.142	-12.7	129	0.00
71	Phenanthrene	1.083	1.122	-3.6	124	0.00
72	Anthracene	1.111	1.145	-3.1	123	0.00
73	Carbazole	0.959	1.009	-5.2	128	0.00
74	Di-n-butylphthalate	0.999	1.075	-7.6	130	0.00
75 C	Fluoranthene	1.028	1.044	-1.6	125	0.00
76 I	Chrysene-d12	1.000	1.000	0.0	115	0.00
77	Benzydine	0.751	0.806	-7.3	120	0.00
78	Pyrene	1.875	1.902	-1.4	125	0.00
79 S	Terphenyl-d14	1.447	1.406	2.8	122	0.00
80	Butylbenzylphthalate	0.544	0.587	-7.9	123	0.00
81	Benzo(a)anthracene	1.349	1.414	-4.8	128	0.00
82	3,3'-Dichlorobenzidine	0.438	0.472	-7.8	127	0.00
83	Chrysene	1.204	1.284	-6.6	127	0.00
84	Bis(2-ethylhexyl)phthalate	0.782	0.826	-5.6	118	0.00
85 c	Di-n-octyl phthalate	1.475	1.519	-3.0	119	0.00
86 I	Perylene-d12	1.000	1.000	0.0	110	0.00
87	Indeno(1,2,3-cd)pyrene	1.523	1.575	-3.4	118	0.00
88	Benzo(b)fluoranthene	1.157	1.271	-9.9	131	0.00
89	Benzo(k)fluoranthene	1.083	1.127	-4.1	120	0.00
90 C	Benzo(a)pyrene	1.118	1.198	-7.2	124	0.00
91	Dibenzo(a,h)anthracene	1.238	1.269	-2.5	119	0.00
92	Benzo(g,h,i)perylene	1.234	1.268	-2.8	118	0.00

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF062425\
Data File : BF142811.D
Acq On : 24 Jun 2025 10:16
Operator : RC/JU
Sample : SSTDCCC040
Misc :
ALS Vial : 2 Sample Multiplier: 1

Instrument :
BNA_F
LabSampleId :
SSTDCCC040

Quant Time: Jun 24 11:38:54 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\BF062425\
 Data File : BF142811.D
 Acq On : 24 Jun 2025 10:16
 Operator : RC/JU
 Sample : SSTDCCC040
 Misc :
 ALS Vial : 2 Sample Multiplier: 1

Instrument :
 BNA_F
 LabSampleId :
 SSTDCCC040

Quant Time: Jun 24 11:38:54 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	106	0.00
2	1,4-Dioxane	40.000	43.318	-8.3	119	0.00
3	Pyridine	40.000	43.555	-8.9	119	0.00
4	n-Nitrosodimethylamine	40.000	42.733	-6.8	118	0.01
5 S	2-Fluorophenol	80.000	85.974	-7.5	119	0.00
6	Aniline	40.000	43.612	-9.0	119	0.00
7 S	Phenol-d6	80.000	86.066	-7.6	120	0.00
8	2-Chlorophenol	40.000	43.161	-7.9	119	0.00
9	Benzaldehyde	40.000	37.794	5.5	111	0.00
10 C	Phenol	40.000	43.259	-8.1	119	0.00
11	bis(2-Chloroethyl)ether	40.000	43.260	-8.1	120	0.00
12	1,3-Dichlorobenzene	40.000	42.358	-5.9	118	0.00
13 C	1,4-Dichlorobenzene	40.000	42.449	-6.1	116	0.00
14	1,2-Dichlorobenzene	40.000	42.450	-6.1	117	0.00
15	Benzyl Alcohol	40.000	43.954	-9.9	122	0.00
16	2,2'-oxybis(1-Chloropropane	40.000	41.607	-4.0	115	0.00
17	2-Methylphenol	40.000	43.355	-8.4	120	0.00
18	Hexachloroethane	40.000	42.065	-5.2	114	0.00
19 P	n-Nitroso-di-n-propylamine	40.000	42.594	-6.5	118	0.00
20	3+4-Methylphenols	40.000	43.463	-8.7	119	0.00
21 I	Naphthalene-d8	20.000	20.000	0.0	107	0.00
22	Acetophenone	40.000	42.065	-5.2	119	0.00
23 S	Nitrobenzene-d5	80.000	86.048	-7.6	119	0.00
24	Nitrobenzene	40.000	42.892	-7.2	119	0.00
25	Isophorone	40.000	43.017	-7.5	121	0.00
26 C	2-Nitrophenol	40.000	44.426	-11.1	120	0.00
27	2,4-Dimethylphenol	40.000	42.887	-7.2	119	0.00
28	bis(2-Chloroethoxy)methane	40.000	42.485	-6.2	119	0.00
29 C	2,4-Dichlorophenol	40.000	42.933	-7.3	119	0.00
30	1,2,4-Trichlorobenzene	40.000	41.857	-4.6	116	0.00
31	Naphthalene	40.000	42.387	-6.0	119	0.00
32	Benzoic acid	40.000	47.690	-19.2	129	0.01
33	4-Chloroaniline	40.000	43.241	-8.1	122	0.00
34 C	Hexachlorobutadiene	40.000	41.657	-4.1	115	0.00
35	Caprolactam	40.000	47.805	-19.5	133	0.00
36 C	4-Chloro-3-methylphenol	40.000	43.575	-8.9	122	0.00
37	2-Methylnaphthalene	40.000	42.288	-5.7	119	0.00
38	1-Methylnaphthalene	40.000	42.617	-6.5	120	0.00
39 I	Acenaphthene-d10	20.000	20.000	0.0	111	0.00
40	1,2,4,5-Tetrachlorobenzene	40.000	41.047	-2.6	120	0.00
41 P	Hexachlorocyclopentadiene	40.000	43.326	-8.3	119	0.00
42 S	2,4,6-Tribromophenol	80.000	85.321	-6.7	121	0.00
43 C	2,4,6-Trichlorophenol	40.000	41.837	-4.6	122	0.00
44	2,4,5-Trichlorophenol	40.000	42.597	-6.5	122	0.00
45 S	2-Fluorobiphenyl	80.000	79.482	0.6	117	0.00
46	1,1'-Biphenyl	40.000	41.200	-3.0	120	0.00
47	2-Chloronaphthalene	40.000	41.367	-3.4	120	0.00

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF062425\
 Data File : BF142811.D
 Acq On : 24 Jun 2025 10:16
 Operator : RC/JU
 Sample : SSTDCCC040
 Misc :
 ALS Vial : 2 Sample Multiplier: 1

Instrument :
 BNA_F
 LabSampleId :
 SSTDCCC040

Quant Time: Jun 24 11:38:54 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	43.907	-9.8	125	0.00
49	Acenaphthylene	40.000	41.654	-4.1	121	0.00
50	Dimethylphthalate	40.000	42.321	-5.8	123	0.00
51	2,6-Dinitrotoluene	40.000	43.151	-7.9	123	0.00
52 C	Acenaphthene	40.000	42.190	-5.5	122	0.00
53	3-Nitroaniline	40.000	44.627	-11.6	128	0.00
54 P	2,4-Dinitrophenol	40.000	46.693	-16.7	130	0.00
55	Dibenzofuran	40.000	41.762	-4.4	121	0.00
56 P	4-Nitrophenol	40.000	45.954	-14.9	131	0.00
57	2,4-Dinitrotoluene	40.000	44.512	-11.3	127	0.00
58	Fluorene	40.000	41.167	-2.9	121	0.00
59	2,3,4,6-Tetrachlorophenol	40.000	42.190	-5.5	122	0.00
60	Diethylphthalate	40.000	42.873	-7.2	124	0.00
61	4-Chlorophenyl-phenylether	40.000	40.750	-1.9	120	0.00
62	4-Nitroaniline	40.000	45.998	-15.0	134	0.00
63	Azobenzene	40.000	41.858	-4.6	122	0.00
64 I	Phenanthrene-d10	20.000	20.000	0.0	114	0.00
65	4,6-Dinitro-2-methylphenol	40.000	45.685	-14.2	132	0.00
66 c	n-Nitrosodiphenylamine	40.000	41.027	-2.6	121	0.00
67	4-Bromophenyl-phenylether	40.000	42.140	-5.4	125	0.00
68	Hexachlorobenzene	40.000	41.778	-4.4	125	0.00
69	Atrazine	40.000	44.569	-11.4	131	0.00
70 C	Pentachlorophenol	40.000	45.028	-12.6	129	0.00
71	Phenanthrene	40.000	41.425	-3.6	124	0.00
72	Anthracene	40.000	41.222	-3.1	123	0.00
73	Carbazole	40.000	42.083	-5.2	128	0.00
74	Di-n-butylphthalate	40.000	43.052	-7.6	130	0.00
75 C	Fluoranthene	40.000	40.630	-1.6	125	0.00
76 I	Chrysene-d12	20.000	20.000	0.0	115	0.00
77	Benzydine	40.000	42.912	-7.3	120	0.00
78	Pyrene	40.000	40.580	-1.4	125	0.00
79 S	Terphenyl-d14	80.000	77.725	2.8	122	0.00
80	Butylbenzylphthalate	40.000	43.185	-8.0	123	0.00
81	Benzo(a)anthracene	40.000	41.906	-4.8	128	0.00
82	3,3'-Dichlorobenzidine	40.000	43.156	-7.9	127	0.00
83	Chrysene	40.000	42.644	-6.6	127	0.00
84	Bis(2-ethylhexyl)phthalate	40.000	42.250	-5.6	118	0.00
85 c	Di-n-octyl phthalate	40.000	41.181	-3.0	119	0.00
86 I	Perylene-d12	20.000	20.000	0.0	110	0.00
87	Indeno(1,2,3-cd)pyrene	40.000	41.346	-3.4	118	0.00
88	Benzo(b)fluoranthene	40.000	43.932	-9.8	131	0.00
89	Benzo(k)fluoranthene	40.000	41.646	-4.1	120	0.00
90 C	Benzo(a)pyrene	40.000	42.856	-7.1	124	0.00
91	Dibenzo(a,h)anthracene	40.000	41.007	-2.5	119	0.00
92	Benzo(g,h,i)perylene	40.000	41.096	-2.7	118	0.00

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF062425\
Data File : BF142811.D
Acq On : 24 Jun 2025 10:16
Operator : RC/JU
Sample : SSTDCCC040
Misc :
ALS Vial : 2 Sample Multiplier: 1

Instrument :
BNA_F
LabSampleId :
SSTDCCC040

Quant Time: Jun 24 11:38:54 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: UNIO02

Lab Code: CHEM Case No.: Q2393 SAS No.: Q2393 SDG No.: Q2393

Instrument ID: BNA_F Calibration Date/Time: 06/25/2025 13:25

Lab File ID: BF142834.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	1.310		9.1	
Benzaldehyde	0.841	1.601		90.4	
Phenol-d6	1.417	1.498		5.7	
Phenol	1.575	1.609		2.2	20.0
bis(2-Chloroethyl)ether	1.126	1.187		5.4	
2-Chlorophenol	1.296	1.378		6.3	
2-Methylphenol	0.982	0.980		-0.2	
2,2-oxybis(1-Chloropropane)	1.809	1.824		0.8	
Acetophenone	0.441	0.485		10.0	
3+4-Methylphenols	1.224	1.248		2.0	
n-Nitroso-di-n-propylamine	0.824	0.810	0.050	-1.7	
Nitrobenzene-d5	0.365	0.429		17.5	
Hexachloroethane	0.511	0.536		4.9	
Nitrobenzene	0.330	0.360		9.1	
Isophorone	0.585	0.564		-3.6	
2-Nitrophenol	0.180	0.204		13.3	20.0
2,4-Dimethylphenol	0.311	0.255		-18.0	
bis(2-Chloroethoxy)methane	0.372	0.395		6.2	
2,4-Dichlorophenol	0.282	0.314		11.3	20.0
Naphthalene	0.979	1.102		12.6	
4-Chloroaniline	0.398	0.363		-8.8	
Hexachlorobutadiene	0.190	0.213		12.1	20.0
Caprolactam	0.075	0.076		1.3	
4-Chloro-3-methylphenol	0.281	0.297		5.7	20.0
2-Methylnaphthalene	0.607	0.706		16.3	
Hexachlorocyclopentadiene	0.335	0.399	0.050	19.1	
2,4,6-Trichlorophenol	0.385	0.433		12.5	20.0
2-Fluorobiphenyl	1.522	1.796		18.0	
2,4,5-Trichlorophenol	0.405	0.455		12.3	
1,1-Biphenyl	1.580	1.785		13.0	
2-Chloronaphthalene	1.186	1.311		10.5	
2-Nitroaniline	0.332	0.349		5.1	
Dimethylphthalate	1.295	1.402		8.3	
Acenaphthylene	1.952	2.014		3.2	
2,6-Dinitrotoluene	0.284	0.309		8.8	
3-Nitroaniline	0.313	0.321		2.6	
Acenaphthene	1.191	1.337		12.3	20.0
2,4-Dinitrophenol	0.142	0.160	0.050	12.7	
4-Nitrophenol	0.214	0.227	0.050	6.1	



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

7C

SEMIVOLATILE CONTINUING CALIBRATION CHECK

Lab Name: CHEMTECH Contract: UNIO02

Lab Code: CHEM Case No.: Q2393 SAS No.: Q2393 SDG No.: Q2393

Instrument ID: BNA_F Calibration Date/Time: 06/25/2025 13:25

Lab File ID: BF142834.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	1.910		11.8	
2,4-Dinitrotoluene	0.378	0.393		4.0	
Diethylphthalate	1.269	1.419		11.8	
4-Chlorophenyl-phenylether	0.636	0.688		8.2	
Fluorene	1.334	1.434		7.5	
4-Nitroaniline	0.286	0.307		7.3	
4,6-Dinitro-2-methylphenol	0.121	0.133		9.9	
n-Nitrosodiphenylamine	0.693	0.758		9.4	20.0
2,4,6-Tribromophenol	0.206	0.217		5.3	
4-Bromophenyl-phenylether	0.228	0.259		13.6	
Hexachlorobenzene	0.253	0.277		9.5	
Atrazine	0.179	0.201		12.3	
Pentachlorophenol	0.126	0.150		19.0	20.0
Phenanthrene	1.083	1.190		9.9	
Anthracene	1.111	1.171		5.4	
Carbazole	0.959	1.070		11.6	
Di-n-butylphthalate	0.999	1.304		30.5	
Fluoranthene	1.028	1.225		19.2	20.0
Pyrene	1.875	1.558		-16.9	
Terphenyl-d14	1.447	1.279		-11.6	
Butylbenzylphthalate	0.544	0.670		23.2	
3,3-Dichlorobenzidine	0.438	0.471		7.5	
Benzo (a) anthracene	1.349	1.494		10.7	
Chrysene	1.204	1.301		8.1	
Bis(2-ethylhexyl)phthalate	0.782	1.016		29.9	
Di-n-octyl phthalate	1.475	1.826		23.8	20.0
Benzo (b) fluoranthene	1.157	1.366		18.1	
Benzo (k) fluoranthene	1.083	1.131		4.4	
Benzo (a) pyrene	1.118	1.144		2.3	20.0
Indeno (1,2,3-cd) pyrene	1.523	1.533		0.7	
Dibenzo (a,h) anthracene	1.238	1.245		0.6	
Benzo (g,h,i) perylene	1.234	1.274		3.2	
1,2,4,5-Tetrachlorobenzene	0.590	0.700		18.6	
1,4-Dioxane	0.480	0.501		4.4	20.0
2,3,4,6-Tetrachlorophenol	0.326	0.363		11.4	

All other compounds must meet a minimum RRF of 0.010.

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF062525\
 Data File : BF142834.D
 Acq On : 25 Jun 2025 13:25
 Operator : RC/JU
 Sample : SSTDCCC040
 Misc :
 ALS Vial : 2 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 SSTDCCC040

Quant Time: Jun 25 14:10:21 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	62666	20.000	ng	0.00
21) Naphthalene-d8	8.163	136	217016	20.000	ng	0.00
39) Acenaphthene-d10	9.922	164	105351	20.000	ng	0.00
64) Phenanthrene-d10	11.410	188	165051	20.000	ng	0.00
76) Chrysene-d12	14.057	240	130450	20.000	ng	0.00
86) Perylene-d12	15.551	264	161869	20.000	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.492	112	328466	87.268	ng	0.00
7) Phenol-d6	6.510	99	375586	84.579	ng	0.00
23) Nitrobenzene-d5	7.445	82	372510	94.152	ng	0.00
42) 2,4,6-Tribromophenol	10.710	330	91255	84.173	ng	0.00
45) 2-Fluorobiphenyl	9.239	172	757016	94.396	ng	0.00
79) Terphenyl-d14	12.998	244	667218	70.670	ng	0.00
Target Compounds						
						Qvalue
2) 1,4-Dioxane	2.616	88	62751	41.682	ng	99
3) Pyridine	3.393	79	155870	41.299	ng	98
4) n-Nitrosodimethylamine	3.334	42	81166	41.588	ng	99
6) Aniline	6.539	93	182298	30.853	ng	96
8) 2-Chlorophenol	6.663	128	172698	42.535	ng	99
9) Benzaldehyde	6.428	77	200638	76.157	ng	97
10) Phenol	6.522	94	201697	40.861	ng	100
11) bis(2-Chloroethyl)ether	6.616	93	148747	42.163	ng	97
12) 1,3-Dichlorobenzene	6.822	146	192285	42.346	ng	99
13) 1,4-Dichlorobenzene	6.898	146	191969	41.902	ng	98
14) 1,2-Dichlorobenzene	7.051	146	179627	41.338	ng	99
15) Benzyl Alcohol	7.022	79	133269	41.513	ng	99
16) 2,2'-oxybis(1-Chloropr...	7.151	45	228661	40.342	ng	98
17) 2-Methylphenol	7.128	107	122767	39.900	ng	99
18) Hexachloroethane	7.392	117	67123	41.888	ng	95
19) n-Nitroso-di-n-propyla...	7.286	70	101541	39.316	ng	99
20) 3+4-Methylphenols	7.286	107	156461	40.784	ng	91
22) Acetophenone	7.286	105	210366	43.958	ng	99
24) Nitrobenzene	7.463	77	156272	43.639	ng	98
25) Isophorone	7.698	82	244787	38.568	ng	100
26) 2-Nitrophenol	7.781	139	88606	45.422	ng	97
27) 2,4-Dimethylphenol	7.816	122	110534m	32.712	ng	
28) bis(2-Chloroethoxy)met...	7.910	93	171235	42.437	ng	99
29) 2,4-Dichlorophenol	8.022	162	136247	44.470	ng	100
30) 1,2,4-Trichlorobenzene	8.104	180	149500	44.376	ng	98
31) Naphthalene	8.186	128	478483	45.044	ng	100
32) Benzoic acid	7.916	122	84983	49.345	ng	95
33) 4-Chloroaniline	8.233	127	157517	36.468	ng	99
34) Hexachlorobutadiene	8.298	225	92637	44.953	ng	98
35) Caprolactam	8.598	113	33107	40.950	ng	98
36) 4-Chloro-3-methylphenol	8.716	107	128828	42.309	ng	99
37) 2-Methylnaphthalene	8.875	142	306467	46.536	ng	100
38) 1-Methylnaphthalene	8.975	142	300675	44.105	ng	99
40) 1,2,4,5-Tetrachloroben...	9.045	216	147474	47.441	ng	99
41) Hexachlorocyclopentadiene	9.028	237	84143	47.699	ng	98
43) 2,4,6-Trichlorophenol	9.157	196	91136	44.992	ng	99

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF062525\
 Data File : BF142834.D
 Acq On : 25 Jun 2025 13:25
 Operator : RC/JU
 Sample : SSTDCCC040
 Misc :
 ALS Vial : 2 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 SSTDCCC040

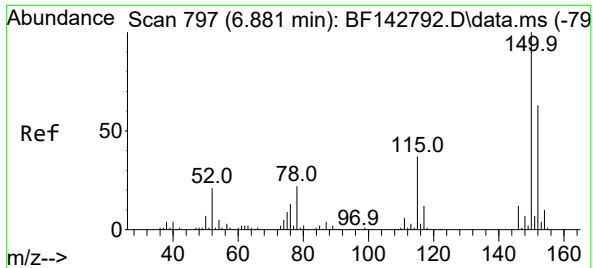
Quant Time: Jun 25 14:10:21 2025
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF061925.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Tue Jun 24 05:28:21 2025
 Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
44) 2,4,5-Trichlorophenol	9.198	196	95905	44.977	ng	99
46) 1,1'-Biphenyl	9.339	154	376150	45.199	ng	100
47) 2-Chloronaphthalene	9.369	162	276163	44.220	ng	99
48) 2-Nitroaniline	9.463	65	73622	42.049	ng	97
49) Acenaphthylene	9.780	152	424345	41.275	ng	99
50) Dimethylphthalate	9.639	163	295308	43.304	ng	100
51) 2,6-Dinitrotoluene	9.704	165	65017	43.414	ng	96
52) Acenaphthene	9.957	154	281768	44.920	ng	98
53) 3-Nitroaniline	9.875	138	67550	40.967	ng	98
54) 2,4-Dinitrophenol	9.980	184	33619	44.832	ng	95
55) Dibenzofuran	10.127	168	402477	44.746	ng	99
56) 4-Nitrophenol	10.033	139	47821	42.364	ng	99
57) 2,4-Dinitrotoluene	10.110	165	82849	41.648	ng	99
58) Fluorene	10.469	166	302042	42.997	ng	100
59) 2,3,4,6-Tetrachlorophenol	10.245	232	76414	44.458	ng	96
60) Diethylphthalate	10.339	149	298902	44.703	ng	99
61) 4-Chlorophenyl-phenyle...	10.463	204	145019	43.262	ng	99
62) 4-Nitroaniline	10.486	138	64702	42.905	ng	97
63) Azobenzene	10.622	77	259329	43.395	ng	98
65) 4,6-Dinitro-2-methylph...	10.516	198	44027	44.100	ng	97
66) n-Nitrosodiphenylamine	10.580	169	250374	43.770	ng	99
67) 4-Bromophenyl-phenylether	10.951	248	85430	45.479	ng	97
68) Hexachlorobenzene	11.022	284	91443	43.810	ng	98
69) Atrazine	11.104	200	66356	44.922	ng	99
70) Pentachlorophenol	11.216	266	49461	47.555	ng	98
71) Phenanthrene	11.433	178	392851	43.939	ng	100
72) Anthracene	11.486	178	386458	42.146	ng	100
73) Carbazole	11.639	167	353066	44.618	ng	100
74) Di-n-butylphthalate	11.969	149	430341	52.204	ng	100
75) Fluoranthene	12.627	202	404373	47.656	ng	99
77) Benzidine	12.751	184	165421	33.751	ng	99
78) Pyrene	12.857	202	406353	33.232	ng	99
80) Butylbenzylphthalate	13.468	149	174834	49.292	ng	100
81) Benzo(a)anthracene	14.045	228	389721	44.285	ng	100
82) 3,3'-Dichlorobenzidine	14.010	252	123008	43.094	ng	99
83) Chrysene	14.086	228	339500	43.234	ng	99
84) Bis(2-ethylhexyl)phtha...	14.027	149	265043	51.937	ng	99
85) Di-n-octyl phthalate	14.645	149	476363	49.504	ng	99
87) Indeno(1,2,3-cd)pyrene	17.068	276	496379	40.260	ng	99
88) Benzo(b)fluoranthene	15.109	252	442080	47.198	ng	100
89) Benzo(k)fluoranthene	15.139	252	366193	41.788	ng	99
90) Benzo(a)pyrene	15.486	252	370504	40.946	ng	99
91) Dibenzo(a,h)anthracene	17.080	278	402958	40.224	ng	98
92) Benzo(g,h,i)perylene	17.521	276	412382	41.282	ng	99

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

Instrument :
BNA_F
ClientSampleId :
SSTDCCC040

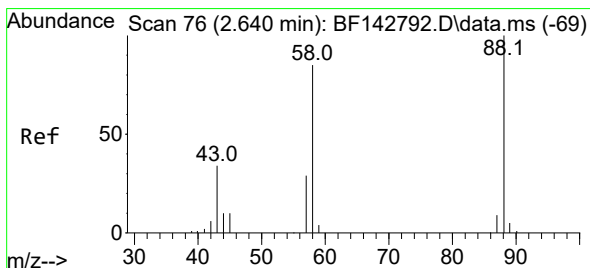
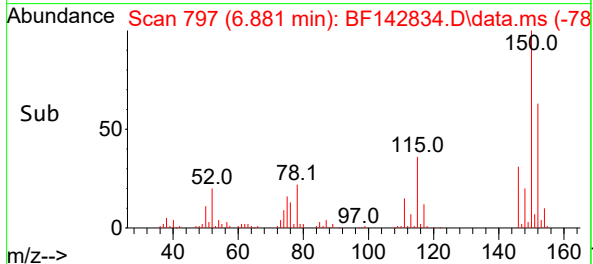
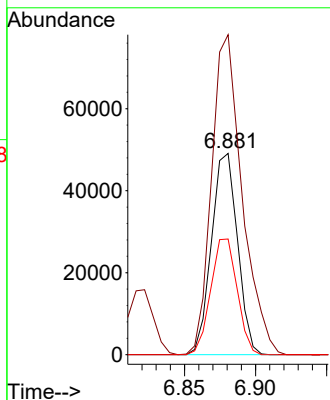
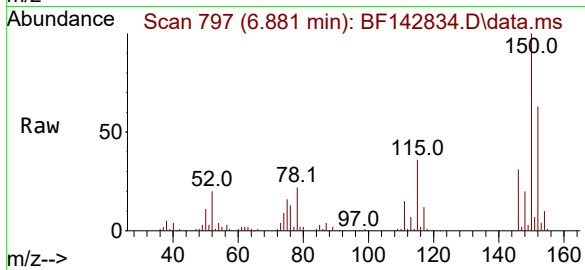
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#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.881 min Scan# 79
Delta R.T. -0.000 min
Lab File: BF142834.D
Acq: 25 Jun 2025 13:25

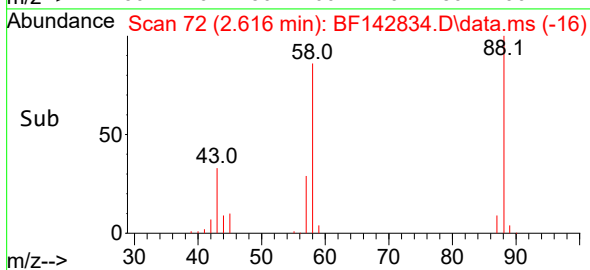
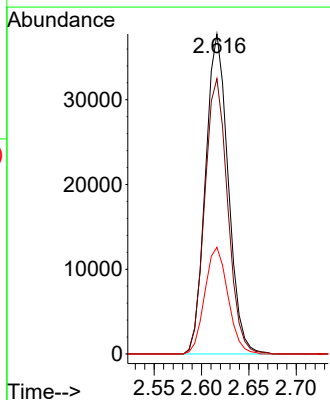
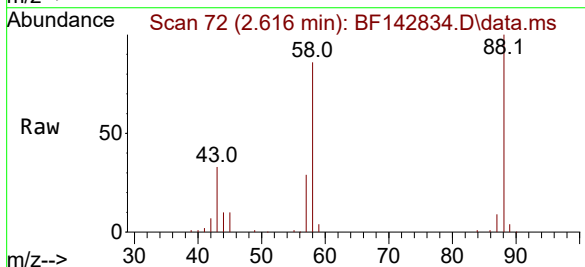
Instrument :
BNA_F
ClientSampleId :
SSTDCCC040

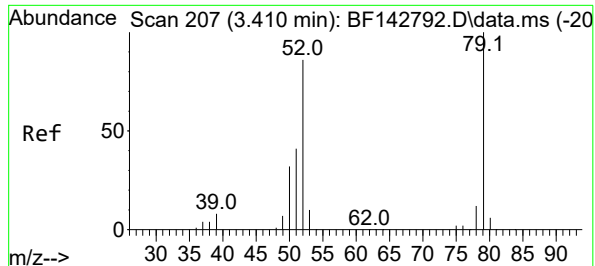
Tgt Ion:152 Resp: 62666
Ion Ratio Lower Upper
152 100
150 158.9 127.2 190.8
115 57.4 46.6 69.8



#2
1,4-Dioxane
Concen: 41.682 ng
RT: 2.616 min Scan# 72
Delta R.T. -0.024 min
Lab File: BF142834.D
Acq: 25 Jun 2025 13:25

Tgt Ion: 88 Resp: 62751
Ion Ratio Lower Upper
88 100
58 87.1 69.1 103.7
43 34.2 27.4 41.2





#3

Pyridine

Concen: 41.299 ng

RT: 3.393 min Scan# 207

Delta R.T. -0.018 min

Lab File: BF142834.D

Acq: 25 Jun 2025 13:25

Instrument :

BNA_F

ClientSampleId :

SSTDCCC040

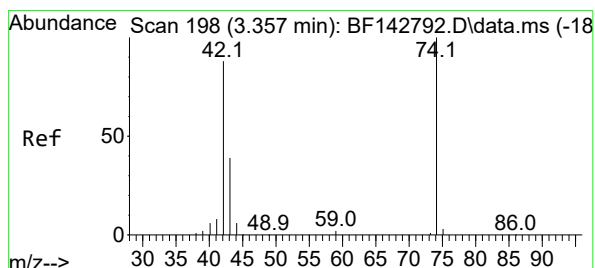
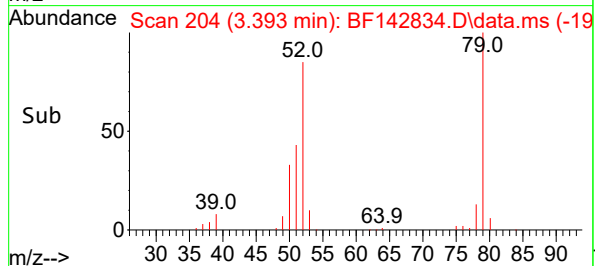
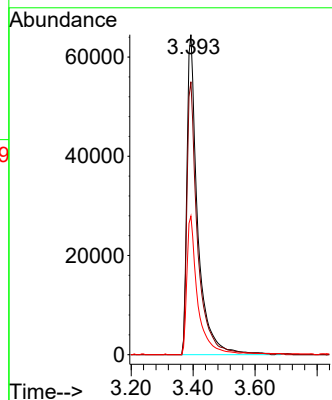
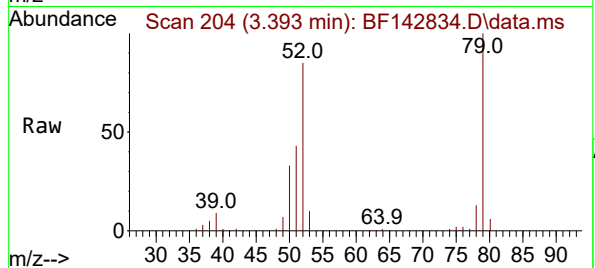
Tgt Ion: 79 Resp: 155870

Ion Ratio Lower Upper

79 100

52 85.3 69.2 103.8

51 43.3 33.2 49.8



#4

n-Nitrosodimethylamine

Concen: 41.588 ng

RT: 3.334 min Scan# 194

Delta R.T. -0.024 min

Lab File: BF142834.D

Acq: 25 Jun 2025 13:25

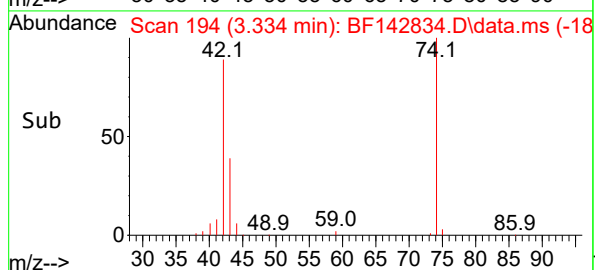
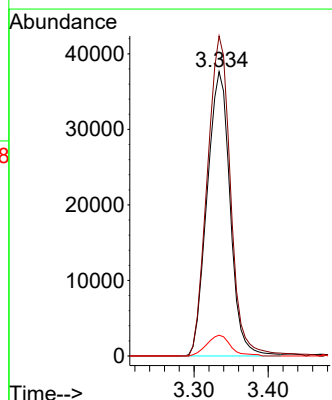
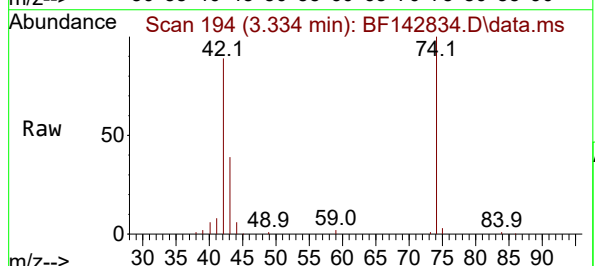
Tgt Ion: 42 Resp: 81166

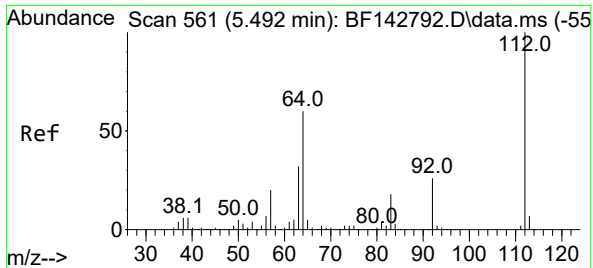
Ion Ratio Lower Upper

42 100

74 112.6 90.9 136.3

44 7.3 5.8 8.6

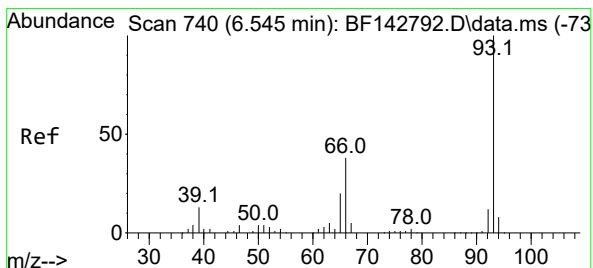
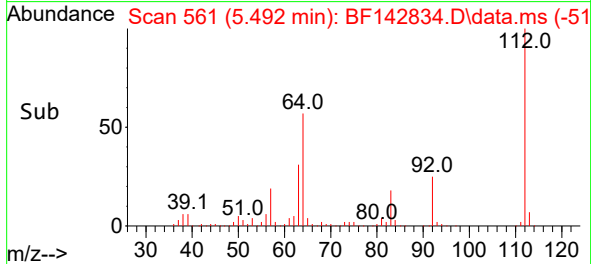
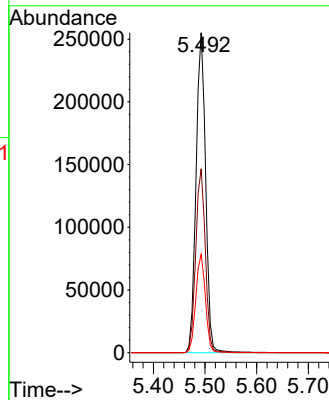
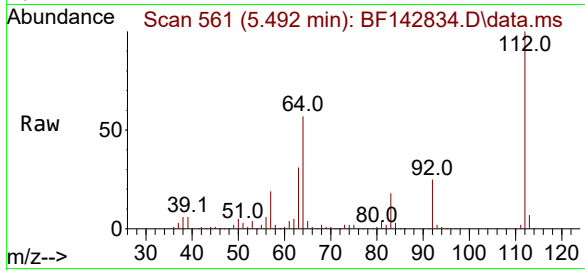




#5
2-Fluorophenol
Concen: 87.268 ng
RT: 5.492 min Scan# 501
Delta R.T. 0.000 min
Lab File: BF142834.D
Acq: 25 Jun 2025 13:25

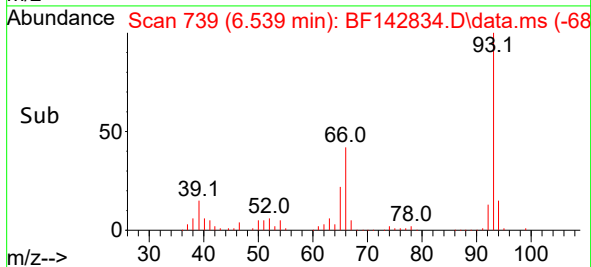
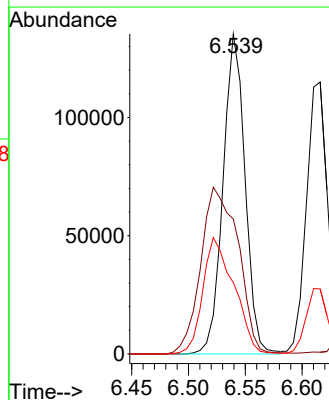
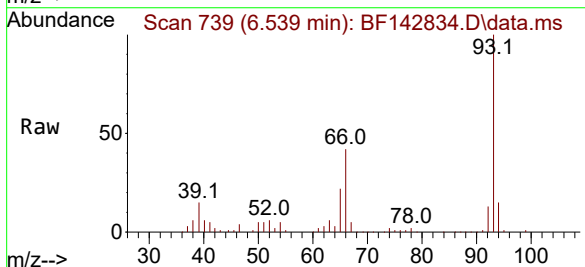
Instrument :
BNA_F
ClientSampleId :
SSTDCCC040

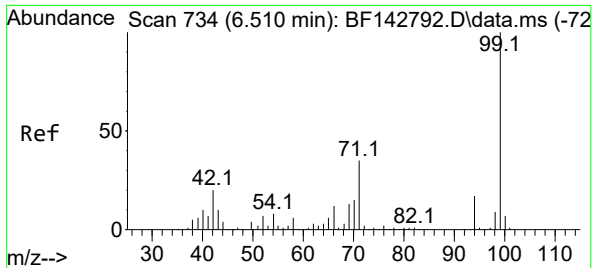
Tgt Ion:112 Resp: 328466
Ion Ratio Lower Upper
112 100
64 57.5 48.2 72.2
63 30.7 25.7 38.5



#6
Aniline
Concen: 30.853 ng
RT: 6.539 min Scan# 739
Delta R.T. -0.006 min
Lab File: BF142834.D
Acq: 25 Jun 2025 13:25

Tgt Ion: 93 Resp: 182298
Ion Ratio Lower Upper
93 100
66 42.1 31.8 47.6
65 22.3 16.2 24.2

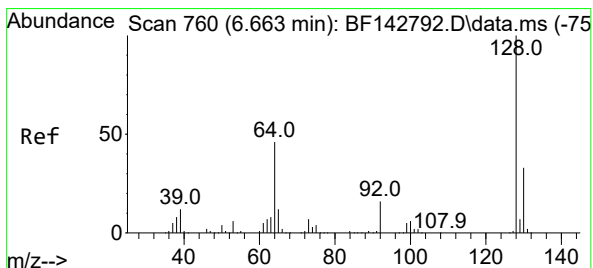
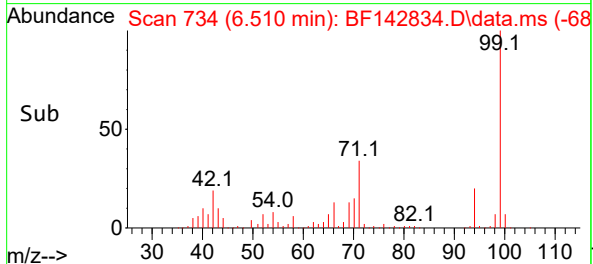
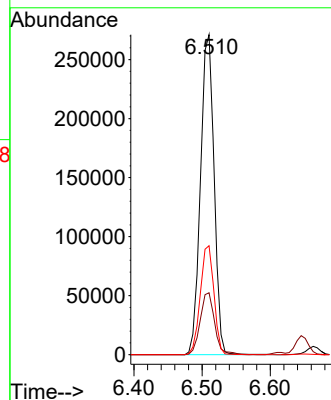
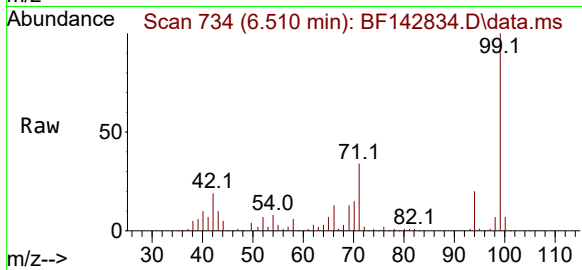




#7
Phenol-d6
Concen: 84.579 ng
RT: 6.510 min Scan# 71
Delta R.T. 0.000 min
Lab File: BF142834.D
Acq: 25 Jun 2025 13:25

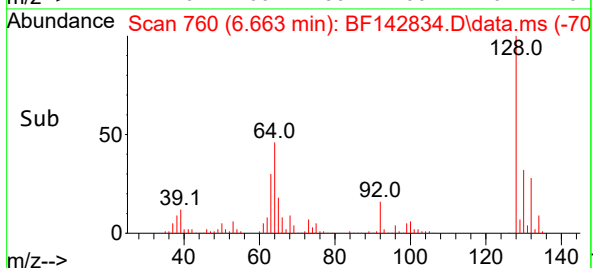
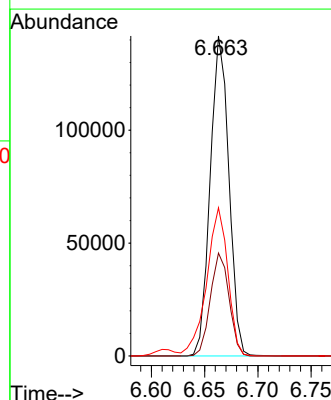
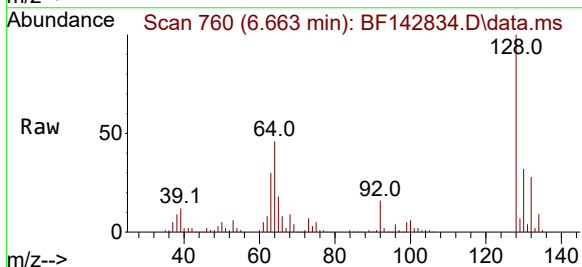
Instrument :
BNA_F
ClientSampleId :
SSTDCCC040

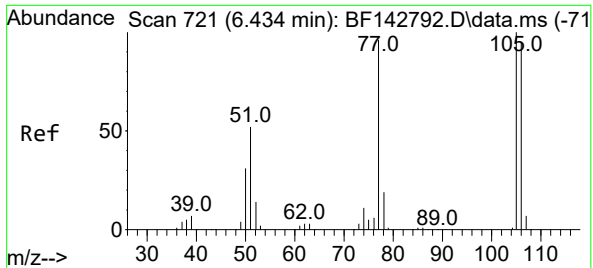
Tgt Ion: 99 Resp: 375586
Ion Ratio Lower Upper
99 100
42 19.3 15.9 23.9
71 34.1 27.8 41.8



#8
2-Chlorophenol
Concen: 42.535 ng
RT: 6.663 min Scan# 760
Delta R.T. 0.000 min
Lab File: BF142834.D
Acq: 25 Jun 2025 13:25

Tgt Ion: 128 Resp: 172698
Ion Ratio Lower Upper
128 100
130 32.2 12.7 52.7
64 46.3 26.5 66.5

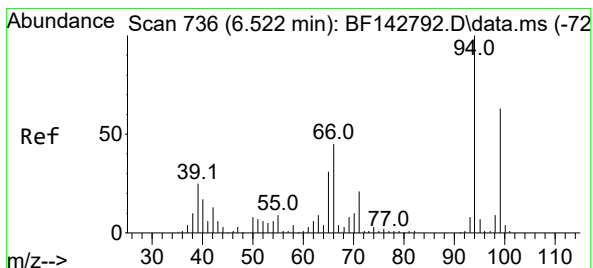
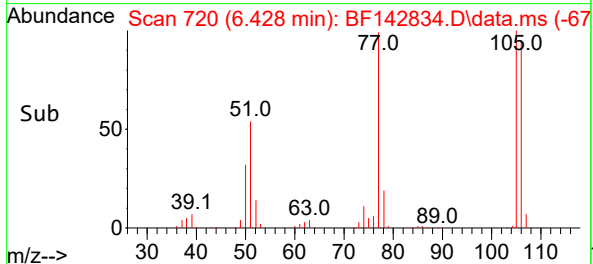
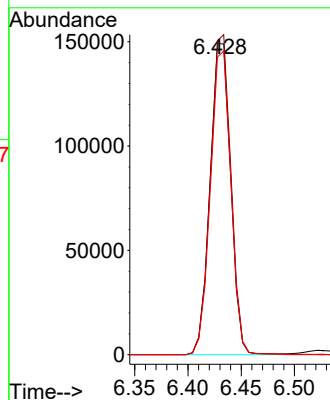
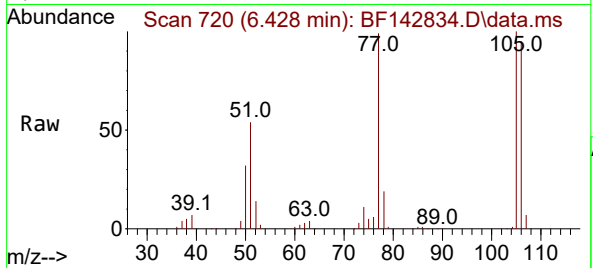




#9
Benzaldehyde
Concen: 76.157 ng
RT: 6.428 min Scan# 721
Delta R.T. -0.006 min
Lab File: BF142834.D
Acq: 25 Jun 2025 13:25

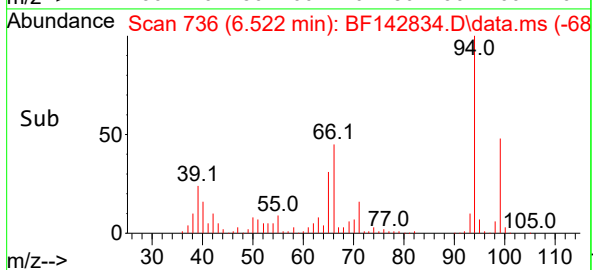
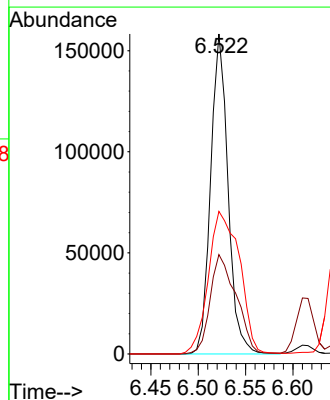
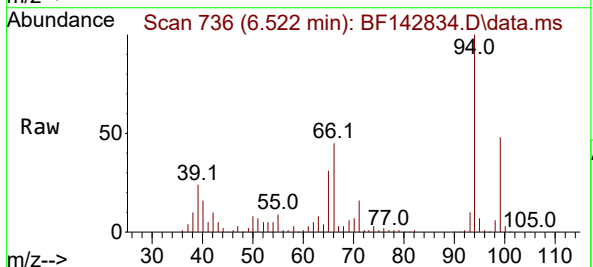
Instrument :
BNA_F
ClientSampleId :
SSTDCCC040

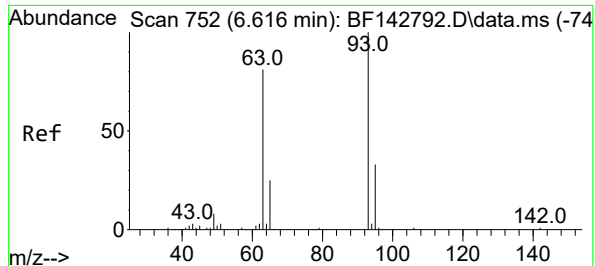
Tgt Ion: 77 Resp: 200638
Ion Ratio Lower Upper
77 100
105 100.9 83.8 123.8
106 95.6 78.7 118.7



#10
Phenol
Concen: 40.861 ng
RT: 6.522 min Scan# 736
Delta R.T. 0.000 min
Lab File: BF142834.D
Acq: 25 Jun 2025 13:25

Tgt Ion: 94 Resp: 201697
Ion Ratio Lower Upper
94 100
65 31.1 11.3 51.3
66 44.6 24.9 64.9

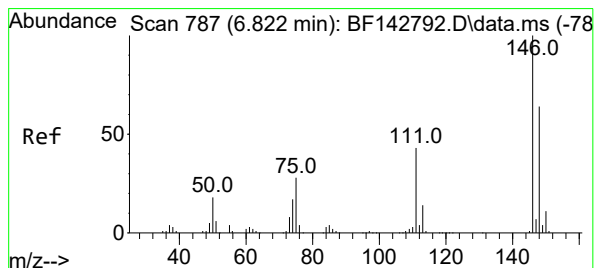
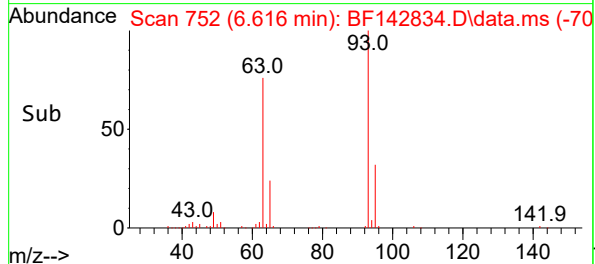
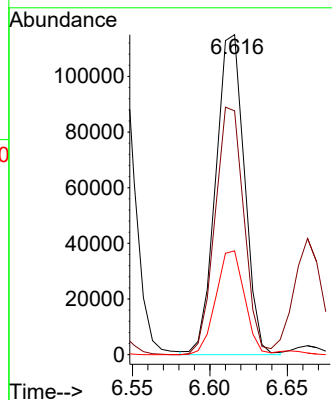
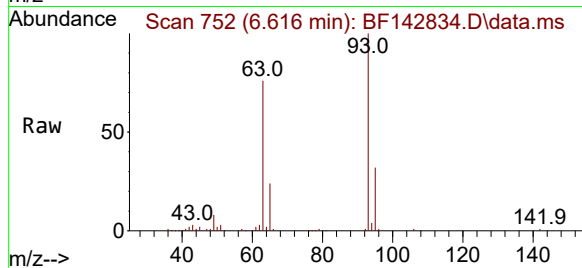




#11
bis(2-Chloroethyl)ether
Concen: 42.163 ng
RT: 6.616 min Scan# 752
Delta R.T. 0.000 min
Lab File: BF142834.D
Acq: 25 Jun 2025 13:25

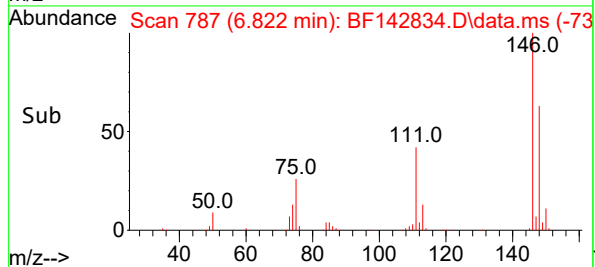
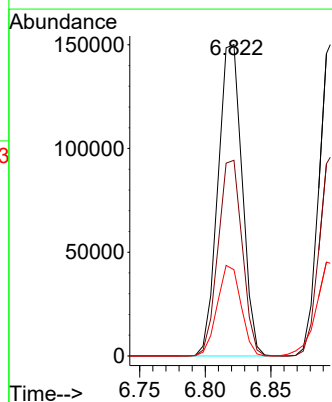
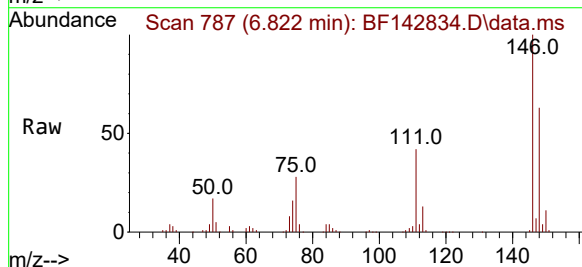
Instrument :
BNA_F
ClientSampleId :
SSTDCCC040

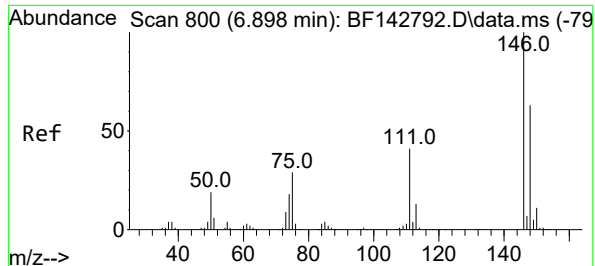
Tgt Ion: 93 Resp: 148747
Ion Ratio Lower Upper
93 100
63 76.2 60.3 100.3
95 32.4 12.5 52.5



#12
1,3-Dichlorobenzene
Concen: 42.346 ng
RT: 6.822 min Scan# 787
Delta R.T. 0.000 min
Lab File: BF142834.D
Acq: 25 Jun 2025 13:25

Tgt Ion: 146 Resp: 192285
Ion Ratio Lower Upper
146 100
148 62.8 51.1 76.7
75 27.7 22.7 34.1





#13

1,4-Dichlorobenzene

Concen: 41.902 ng

RT: 6.898 min Scan# 800

Delta R.T. -0.000 min

Lab File: BF142834.D

Acq: 25 Jun 2025 13:25

Instrument :

BNA_F

ClientSampleId :

SSTDCCC040

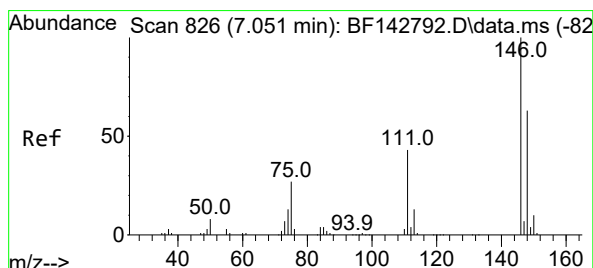
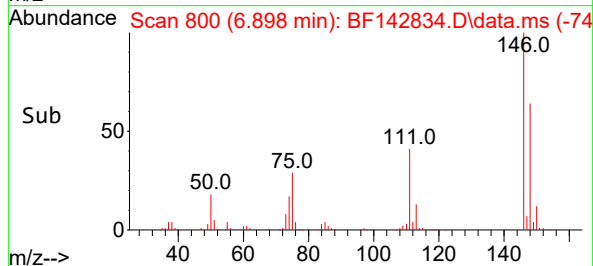
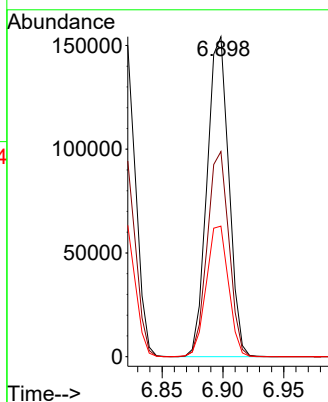
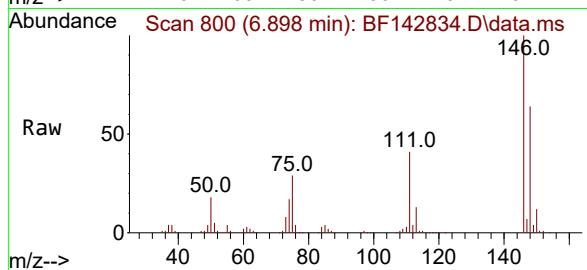
Tgt Ion:146 Resp: 191969

Ion Ratio Lower Upper

146 100

148 64.1 50.2 75.2

111 40.8 33.2 49.8



#14

1,2-Dichlorobenzene

Concen: 41.338 ng

RT: 7.051 min Scan# 826

Delta R.T. 0.000 min

Lab File: BF142834.D

Acq: 25 Jun 2025 13:25

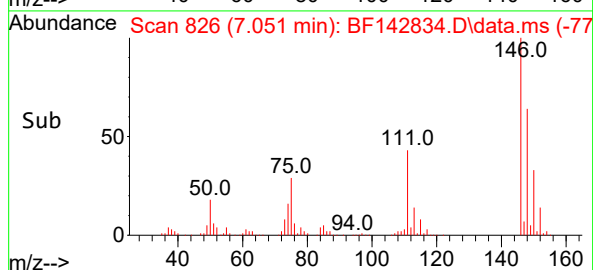
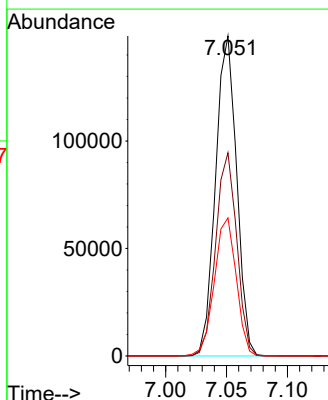
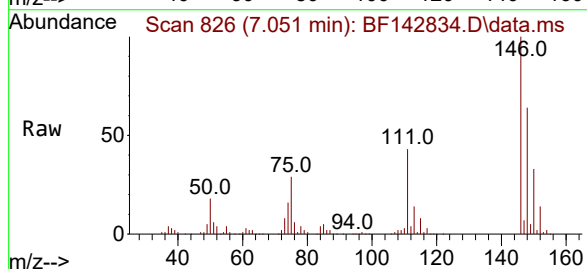
Tgt Ion:146 Resp: 179627

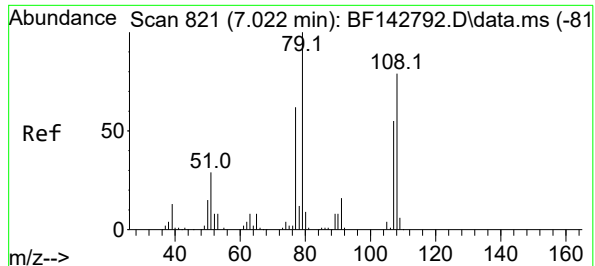
Ion Ratio Lower Upper

146 100

148 63.5 50.4 75.6

111 43.1 34.1 51.1





#15

Benzyl Alcohol

Concen: 41.513 ng

RT: 7.022 min Scan# 81

Delta R.T. 0.000 min

Lab File: BF142834.D

Acq: 25 Jun 2025 13:25

Instrument :

BNA_F

ClientSampleId :

SSTDCCC040

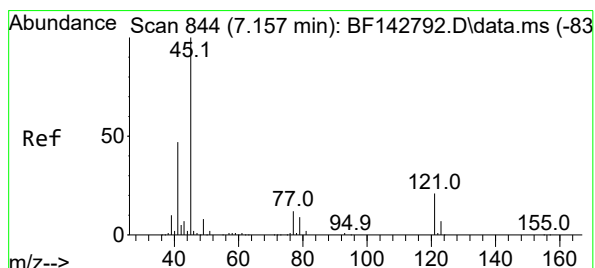
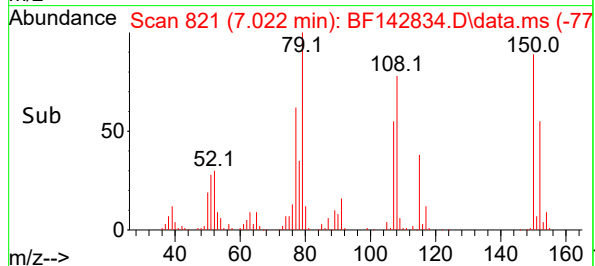
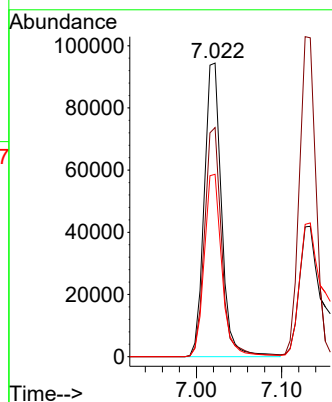
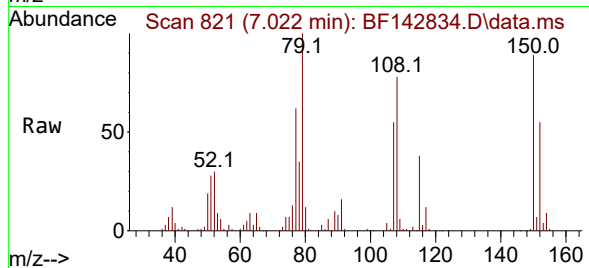
Tgt Ion: 79 Resp: 133269

Ion Ratio Lower Upper

79 100

108 78.1 63.4 95.0

77 62.1 49.5 74.3



#16

2,2'-oxybis(1-chloropropane)

Concen: 40.342 ng

RT: 7.151 min Scan# 843

Delta R.T. -0.006 min

Lab File: BF142834.D

Acq: 25 Jun 2025 13:25

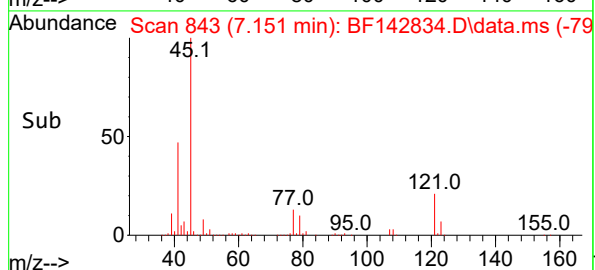
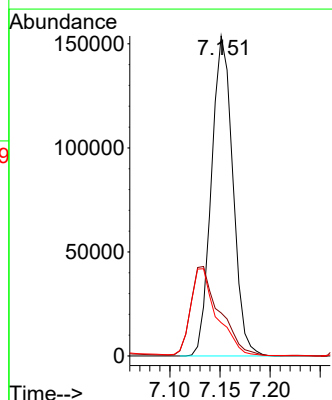
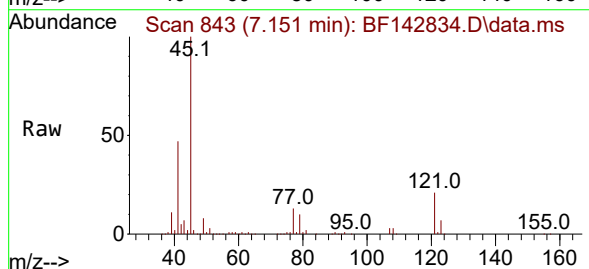
Tgt Ion: 45 Resp: 228661

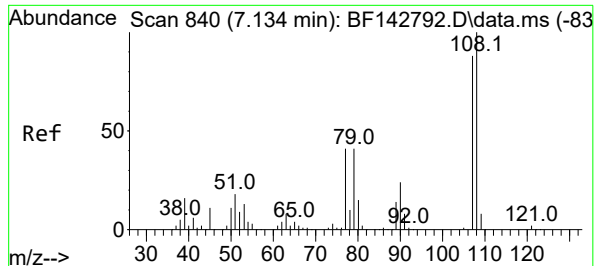
Ion Ratio Lower Upper

45 100

77 13.4 0.0 32.8

79 10.4 0.0 29.8

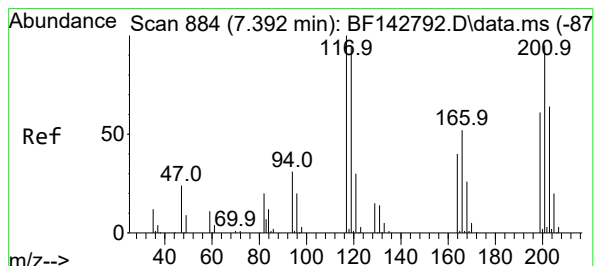
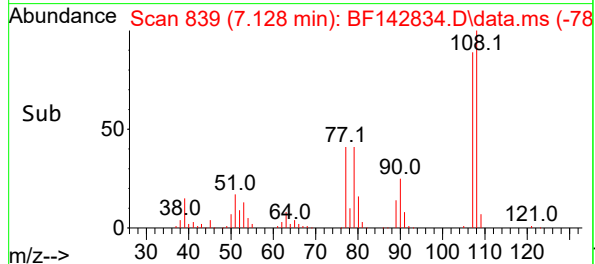
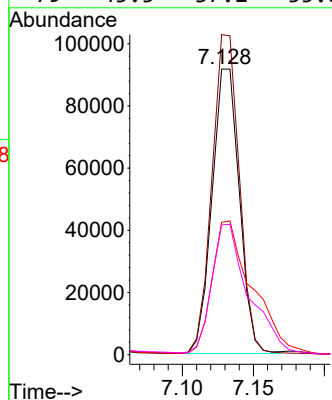
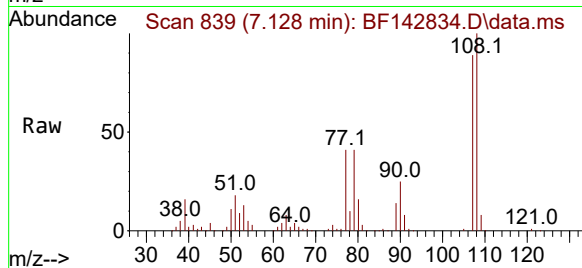




#17
2-Methylphenol
Concen: 39.900 ng
RT: 7.128 min Scan# 81
Delta R.T. -0.006 min
Lab File: BF142834.D
Acq: 25 Jun 2025 13:25

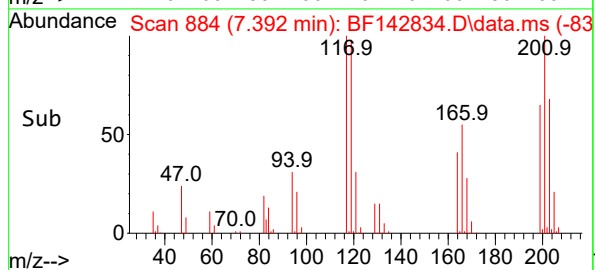
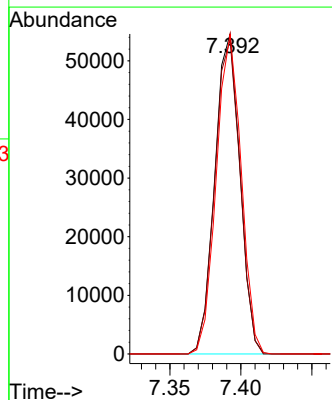
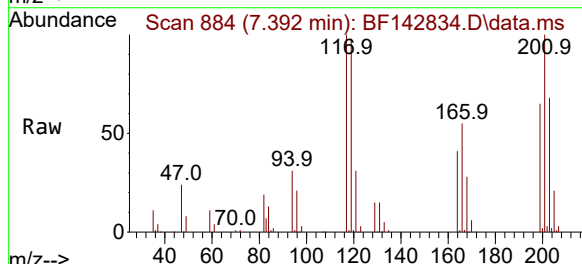
Instrument :
BNA_F
ClientSampleId :
SSTDCCC040

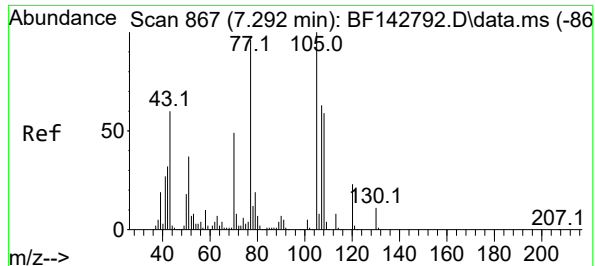
Tgt Ion:107 Resp: 122767
Ion Ratio Lower Upper
107 100
108 112.0 90.9 136.3
77 46.3 37.3 55.9
79 45.5 37.2 55.8



#18
Hexachloroethane
Concen: 41.888 ng
RT: 7.392 min Scan# 884
Delta R.T. 0.000 min
Lab File: BF142834.D
Acq: 25 Jun 2025 13:25

Tgt Ion:117 Resp: 67123
Ion Ratio Lower Upper
117 100
119 98.3 75.4 113.0
201 99.9 75.9 113.9





#19

n-Nitroso-di-n-propylamine

Concen: 39.316 ng

RT: 7.286 min Scan# 866

Delta R.T. -0.006 min

Lab File: BF142834.D

Acq: 25 Jun 2025 13:25

Instrument :

BNA_F

ClientSampleId :

SSTDCCC040

Tgt Ion: 70 Resp: 101541

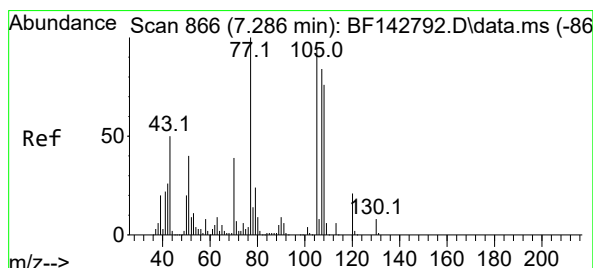
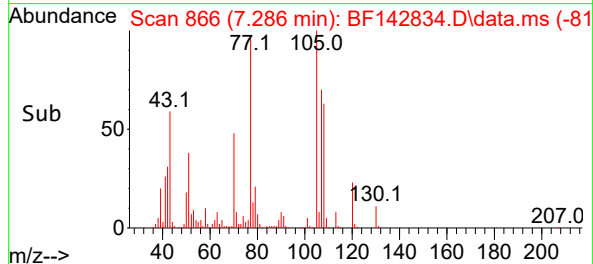
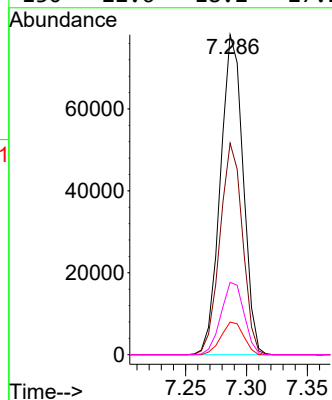
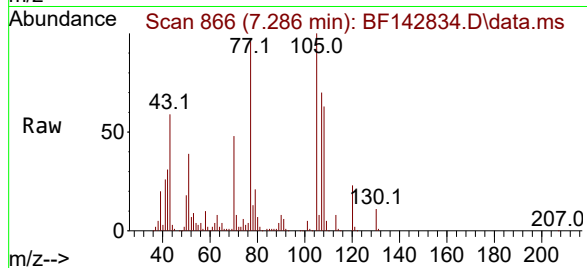
Ion Ratio Lower Upper

70 100

42 66.1 52.1 78.1

101 10.2 8.2 12.2

130 22.6 18.2 27.2



#20

3+4-Methylphenols

Concen: 40.784 ng

RT: 7.286 min Scan# 866

Delta R.T. 0.000 min

Lab File: BF142834.D

Acq: 25 Jun 2025 13:25

Tgt Ion:107 Resp: 156461

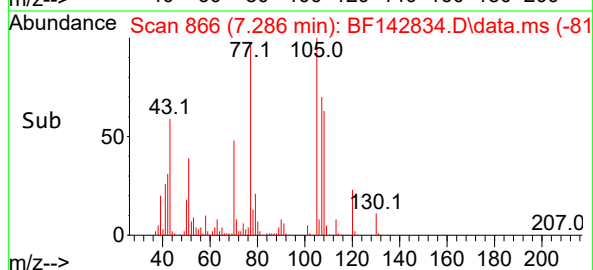
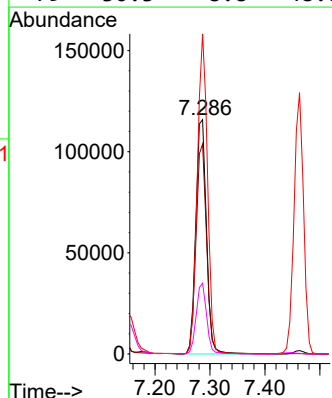
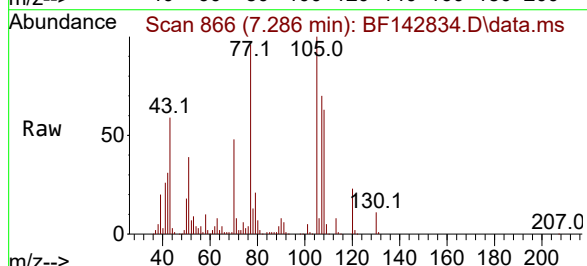
Ion Ratio Lower Upper

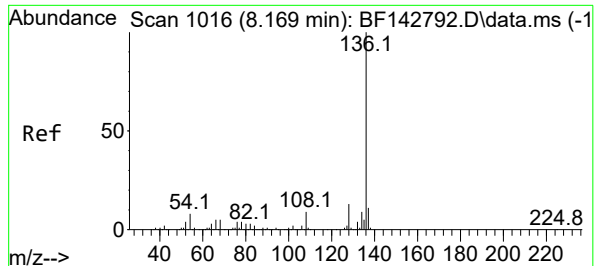
107 100

108 89.6 70.0 110.0

77 136.6 98.5 138.5

79 30.3 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: BF142834.D

Acq: 25 Jun 2025 13:25

Instrument :

BNA_F

ClientSampleId :

SSTDCCC040

Tgt Ion:136 Resp: 217016

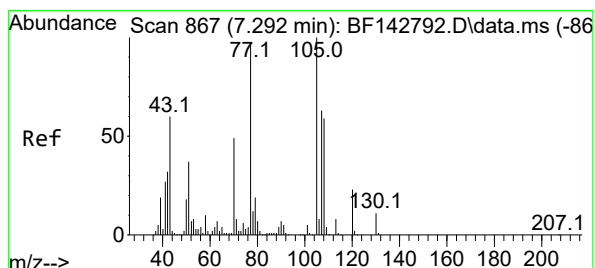
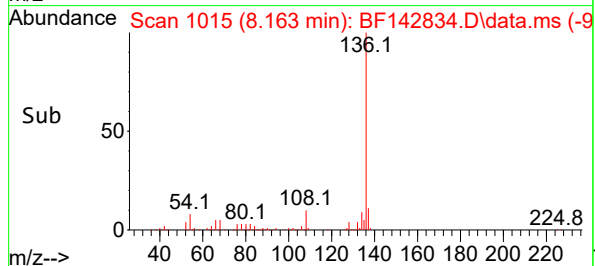
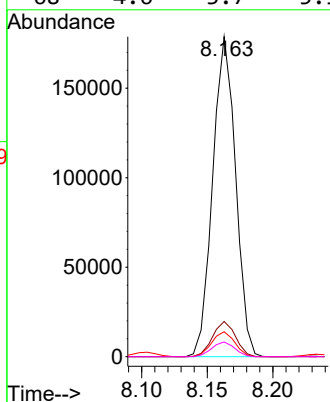
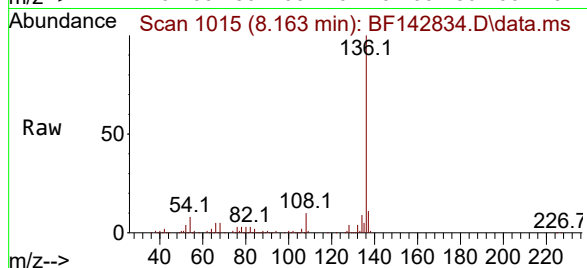
Ion Ratio Lower Upper

136 100

137 11.0 8.4 12.6

54 7.8 6.3 9.5

68 4.6 3.7 5.5



#22

Acetophenone

Concen: 43.958 ng

RT: 7.286 min Scan# 866

Delta R.T. -0.006 min

Lab File: BF142834.D

Acq: 25 Jun 2025 13:25

Tgt Ion:105 Resp: 210366

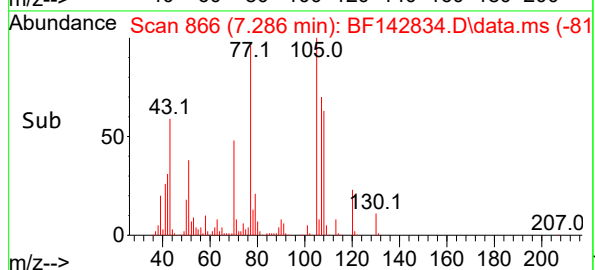
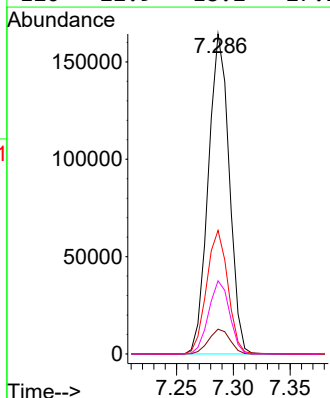
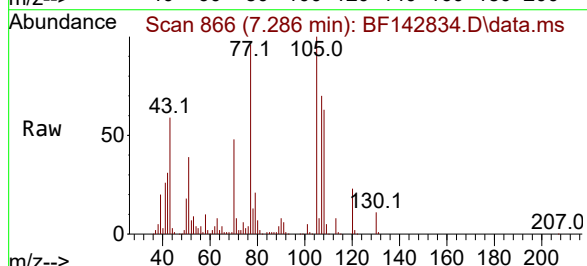
Ion Ratio Lower Upper

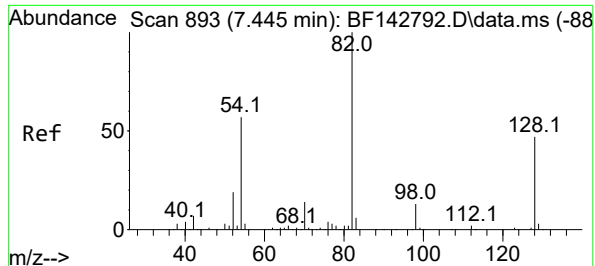
105 100

71 7.7 6.5 9.7

51 38.6 29.8 44.8

120 22.9 18.2 27.2





#23

Nitrobenzene-d5

Concen: 94.152 ng

RT: 7.445 min Scan# 893

Delta R.T. 0.000 min

Lab File: BF142834.D

Acq: 25 Jun 2025 13:25

Instrument :

BNA_F

ClientSampleId :

SSTDCCC040

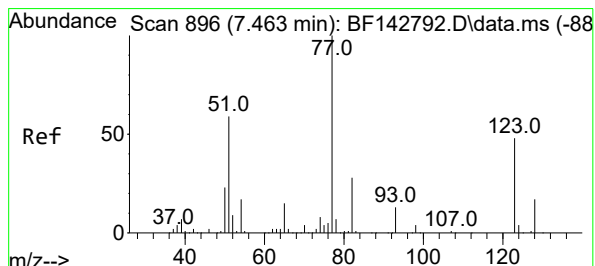
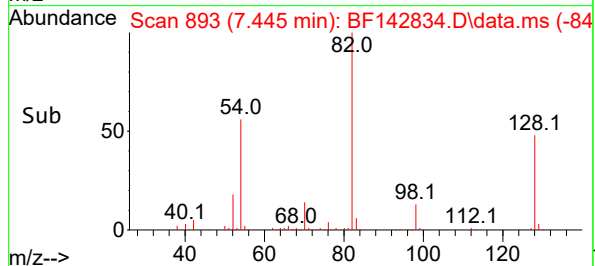
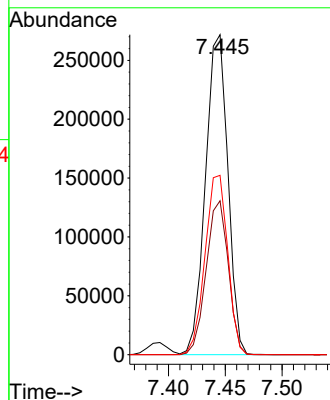
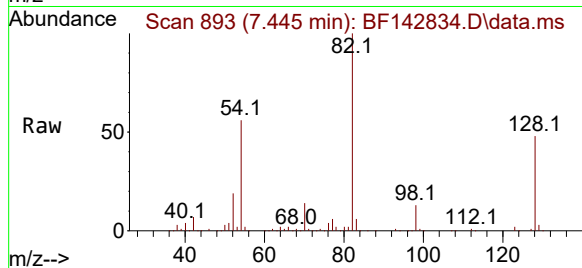
Tgt Ion: 82 Resp: 372510

Ion Ratio Lower Upper

82 100

128 48.1 37.7 56.5

54 56.1 45.7 68.5



#24

Nitrobenzene

Concen: 43.639 ng

RT: 7.463 min Scan# 896

Delta R.T. 0.000 min

Lab File: BF142834.D

Acq: 25 Jun 2025 13:25

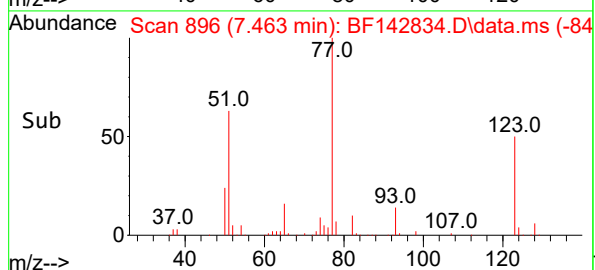
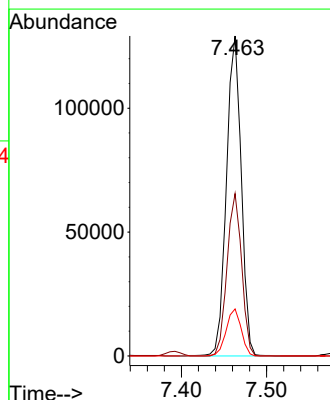
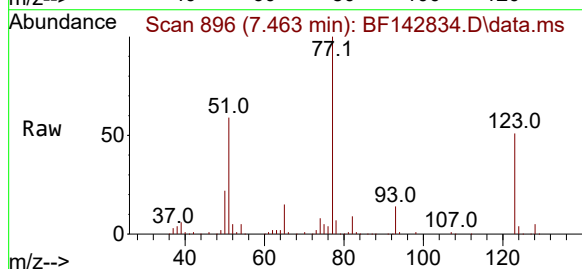
Tgt Ion: 77 Resp: 156272

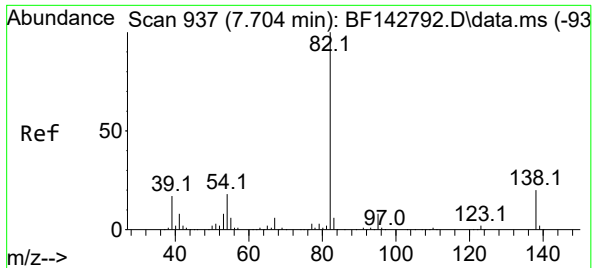
Ion Ratio Lower Upper

77 100

123 50.8 39.2 58.8

65 14.7 11.6 17.4

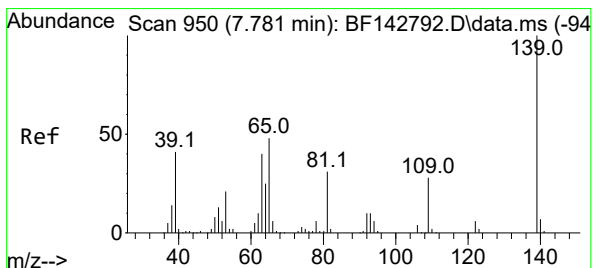
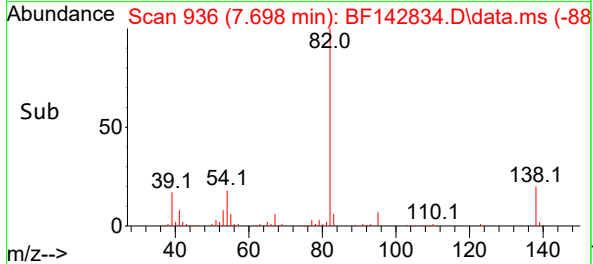
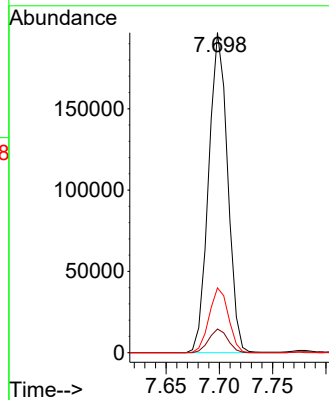
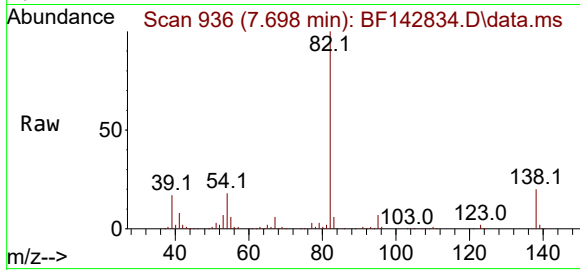




#25
Isophorone
Concen: 38.568 ng
RT: 7.698 min Scan# 91
Delta R.T. -0.006 min
Lab File: BF142834.D
Acq: 25 Jun 2025 13:25

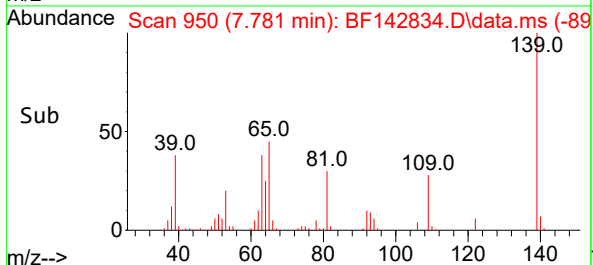
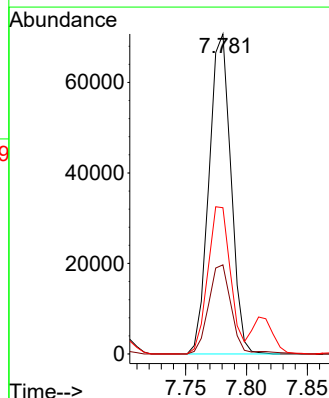
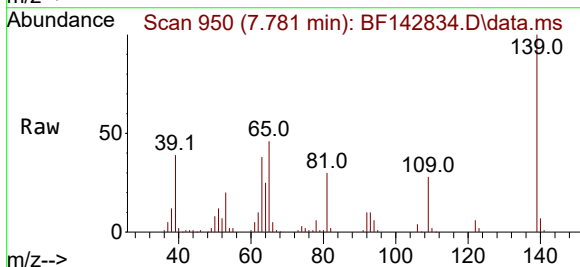
Instrument :
BNA_F
ClientSampleId :
SSTDCCC040

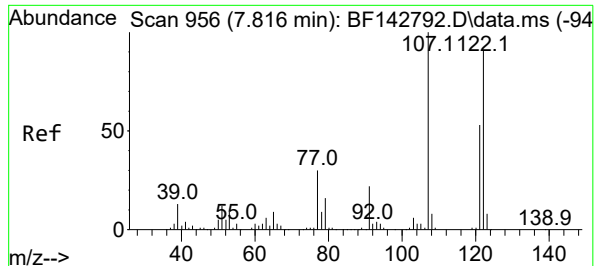
Tgt Ion: 82 Resp: 244787
Ion Ratio Lower Upper
82 100
95 7.4 6.2 9.2
138 20.2 16.2 24.4



#26
2-Nitrophenol
Concen: 45.422 ng
RT: 7.781 min Scan# 950
Delta R.T. 0.000 min
Lab File: BF142834.D
Acq: 25 Jun 2025 13:25

Tgt Ion:139 Resp: 88606
Ion Ratio Lower Upper
139 100
109 27.8 22.7 34.1
65 45.7 38.6 58.0





#27

2,4-Dimethylphenol

Concen: 32.712 ng m

RT: 7.816 min Scan# 91

Delta R.T. 0.000 min

Lab File: BF142834.D

Acq: 25 Jun 2025 13:25

Instrument :

BNA_F

ClientSampleId :

SSTDCCC040

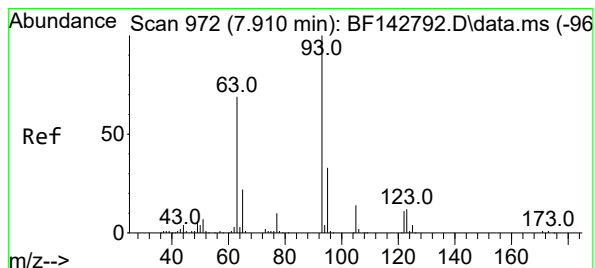
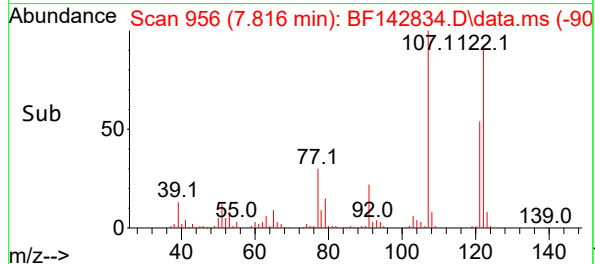
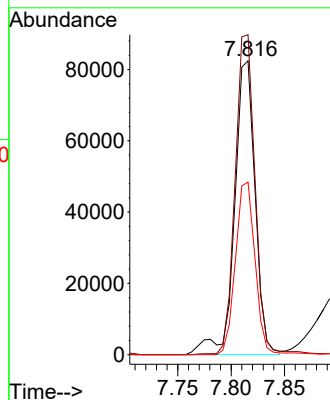
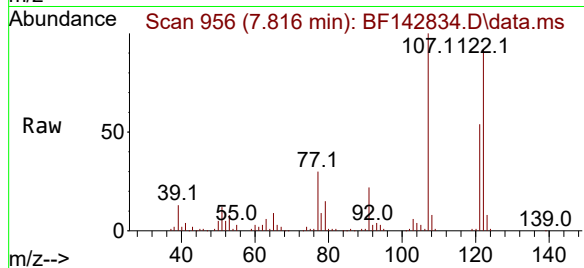
Tgt Ion:122 Resp: 110534

Ion Ratio Lower Upper

122 100

107 108.9 88.0 132.0

121 58.7 46.3 69.5



#28

bis(2-Chloroethoxy)methane

Concen: 42.437 ng

RT: 7.910 min Scan# 972

Delta R.T. 0.000 min

Lab File: BF142834.D

Acq: 25 Jun 2025 13:25

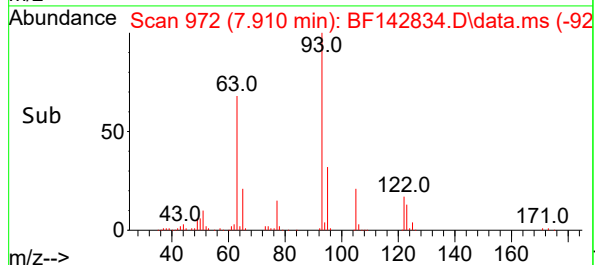
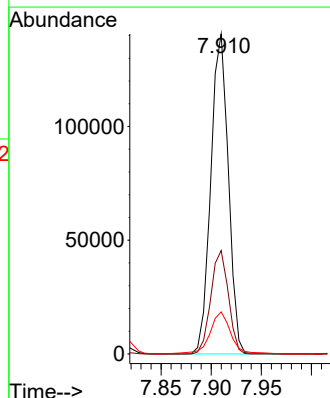
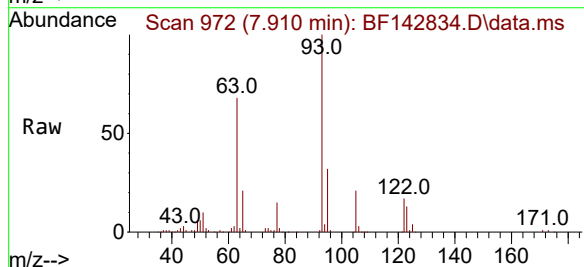
Tgt Ion: 93 Resp: 171235

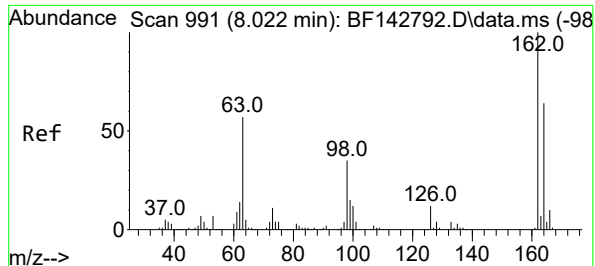
Ion Ratio Lower Upper

93 100

95 32.3 26.2 39.2

123 13.2 9.9 14.9





#29

2,4-Dichlorophenol

Concen: 44.470 ng

RT: 8.022 min Scan# 991

Delta R.T. 0.000 min

Lab File: BF142834.D

Acq: 25 Jun 2025 13:25

Instrument :

BNA_F

ClientSampleId :

SSTDCCC040

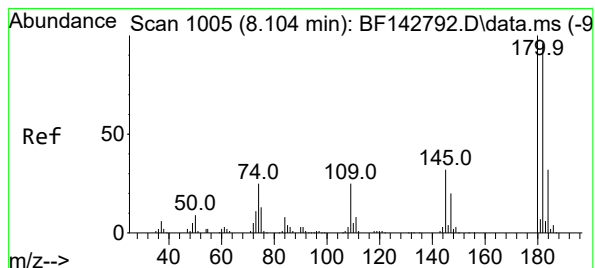
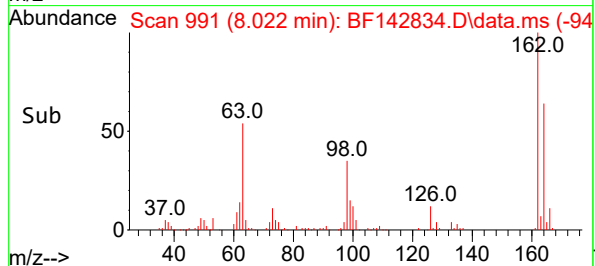
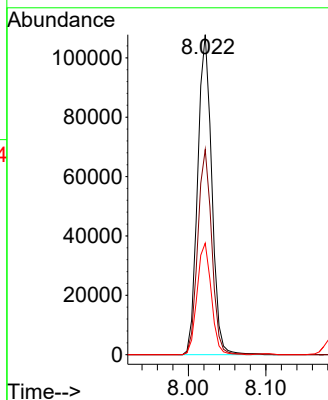
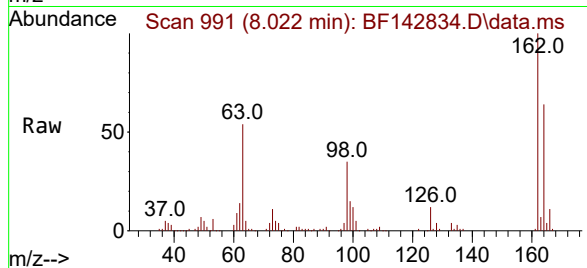
Tgt Ion:162 Resp: 136247

Ion Ratio Lower Upper

162 100

164 64.1 44.0 84.0

98 34.9 15.4 55.4



#30

1,2,4-Trichlorobenzene

Concen: 44.376 ng

RT: 8.104 min Scan# 1005

Delta R.T. 0.000 min

Lab File: BF142834.D

Acq: 25 Jun 2025 13:25

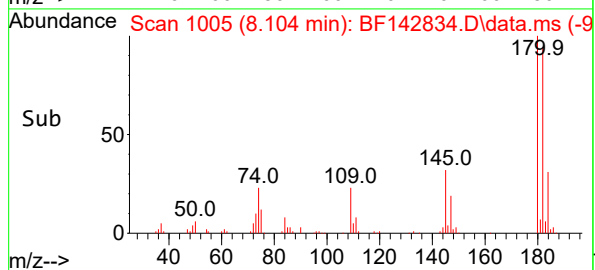
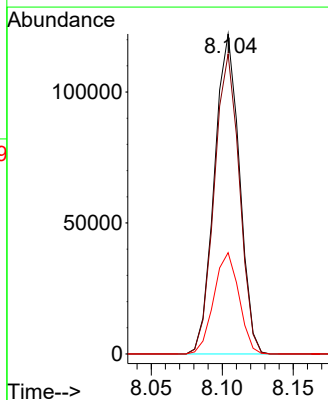
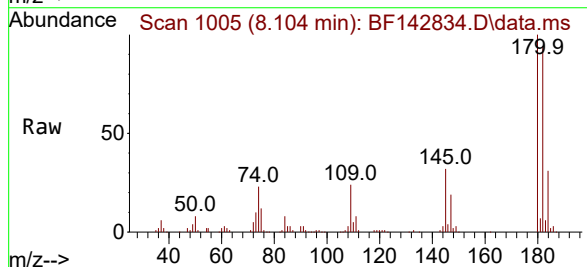
Tgt Ion:180 Resp: 149500

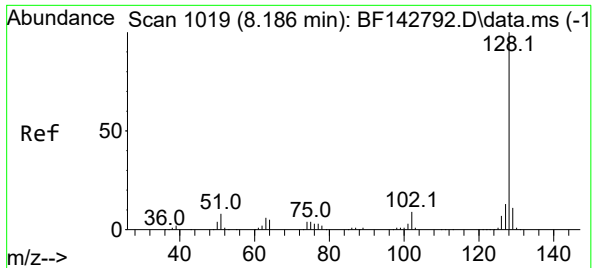
Ion Ratio Lower Upper

180 100

182 93.7 76.4 114.6

145 31.6 25.8 38.8





#31

Naphthalene

Concen: 45.044 ng

RT: 8.186 min Scan# 1019

Delta R.T. 0.000 min

Lab File: BF142834.D

Acq: 25 Jun 2025 13:25

Instrument :

BNA_F

ClientSampleId :

SSTDCCC040

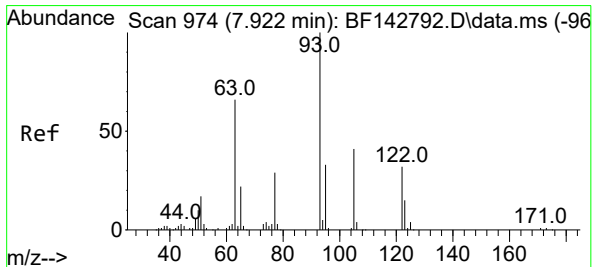
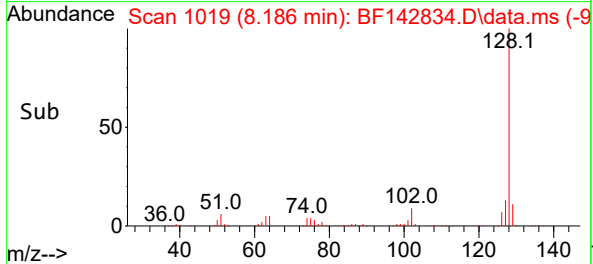
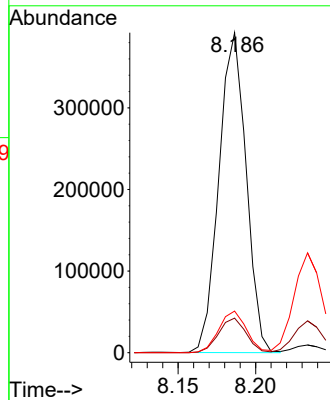
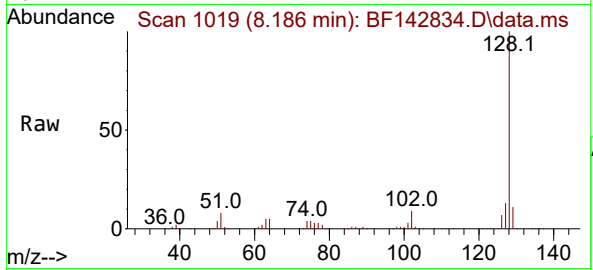
Tgt Ion:128 Resp: 478483

Ion Ratio Lower Upper

128 100

129 10.8 8.9 13.3

127 13.0 10.4 15.6



#32

Benzoic acid

Concen: 49.345 ng

RT: 7.916 min Scan# 973

Delta R.T. -0.006 min

Lab File: BF142834.D

Acq: 25 Jun 2025 13:25

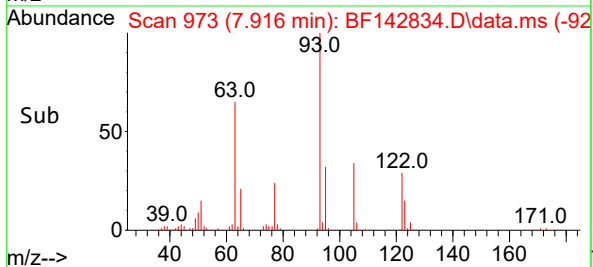
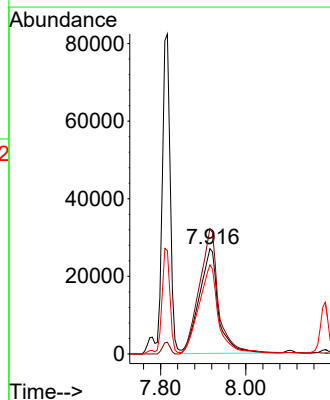
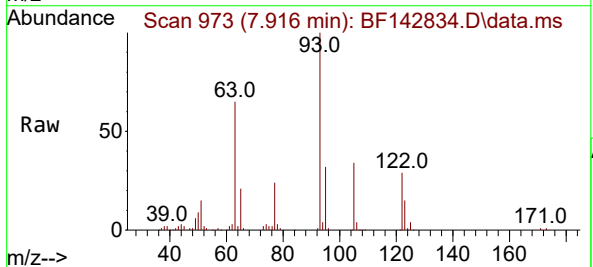
Tgt Ion:122 Resp: 84983

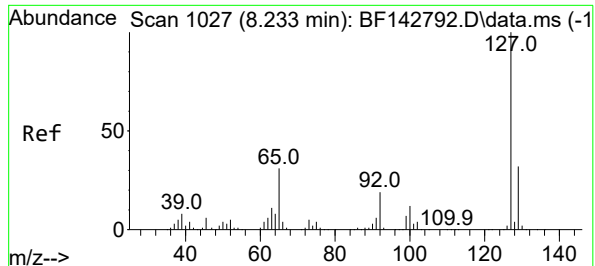
Ion Ratio Lower Upper

122 100

105 119.0 104.7 144.7

77 84.7 70.2 110.2





#33

4-Chloroaniline

Concen: 36.468 ng

RT: 8.233 min Scan# 1027

Delta R.T. 0.000 min

Lab File: BF142834.D

Acq: 25 Jun 2025 13:25

Instrument :

BNA_F

ClientSampleId :

SSTDCCC040

Tgt Ion:127 Resp: 157517

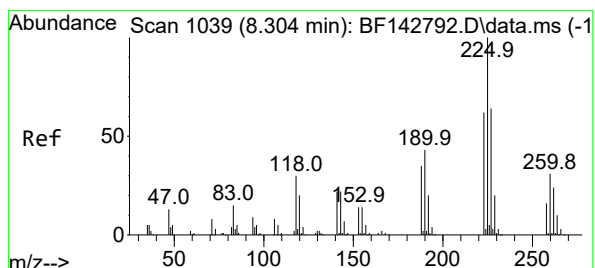
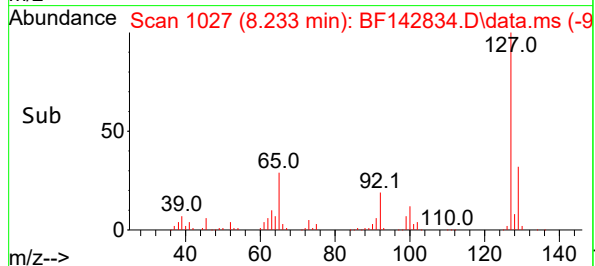
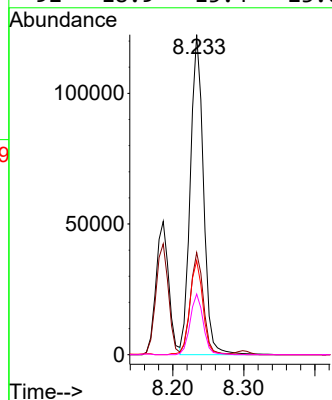
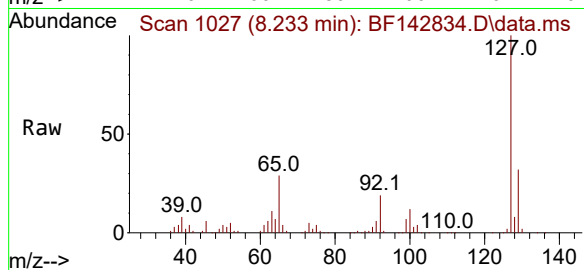
Ion Ratio Lower Upper

127 100

129 31.9 25.9 38.9

65 29.4 24.6 36.8

92 18.9 15.4 23.0



#34

Hexachlorobutadiene

Concen: 44.953 ng

RT: 8.298 min Scan# 1038

Delta R.T. -0.006 min

Lab File: BF142834.D

Acq: 25 Jun 2025 13:25

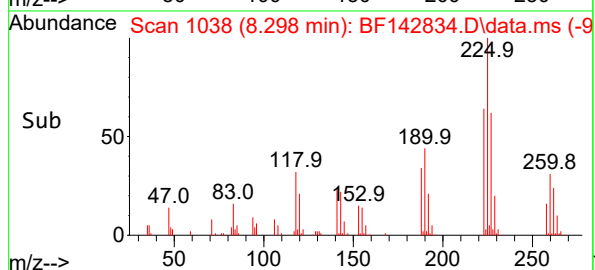
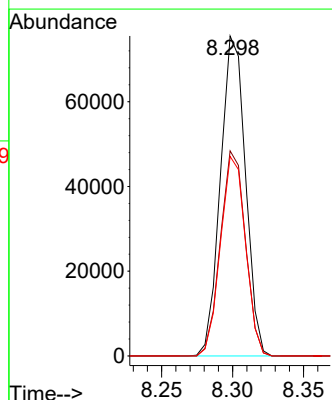
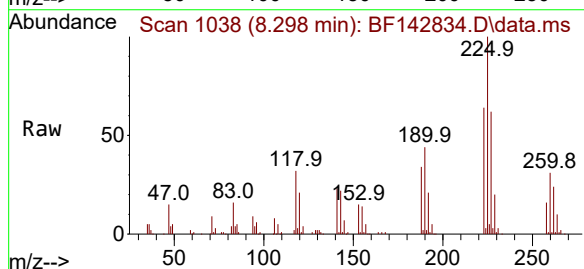
Tgt Ion:225 Resp: 92637

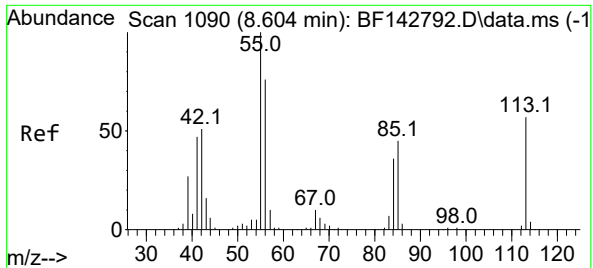
Ion Ratio Lower Upper

225 100

223 64.1 49.9 74.9

227 62.3 51.4 77.0

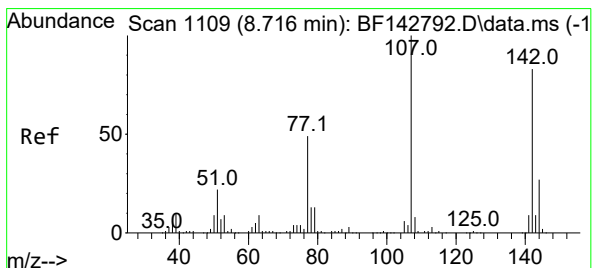
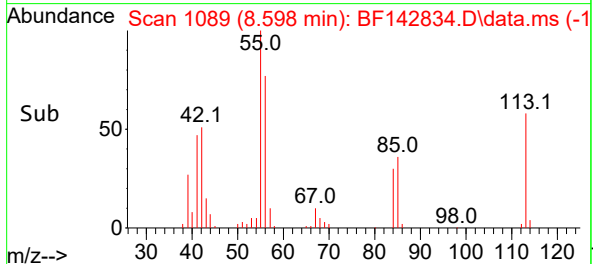
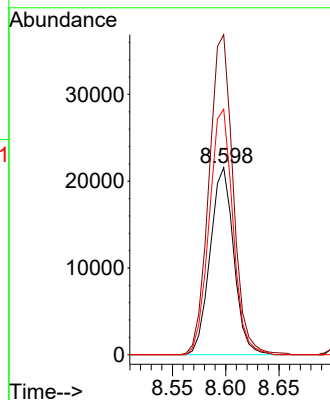
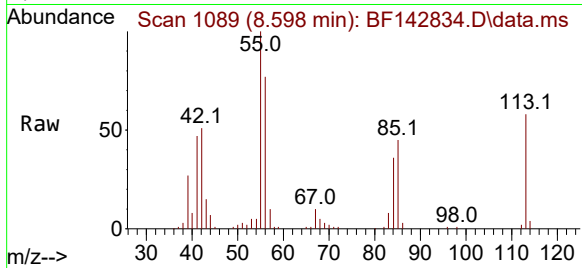




#35
Caprolactam
Concen: 40.950 ng
RT: 8.598 min Scan# 1089
Delta R.T. -0.006 min
Lab File: BF142834.D
Acq: 25 Jun 2025 13:25

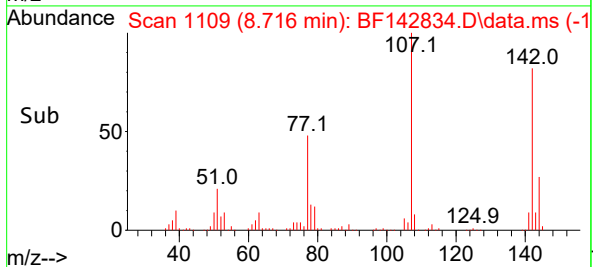
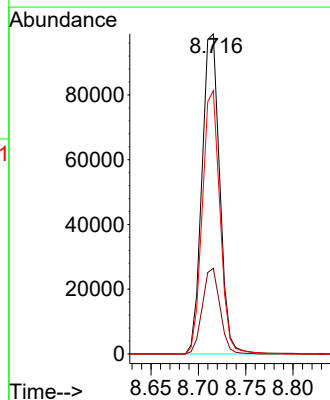
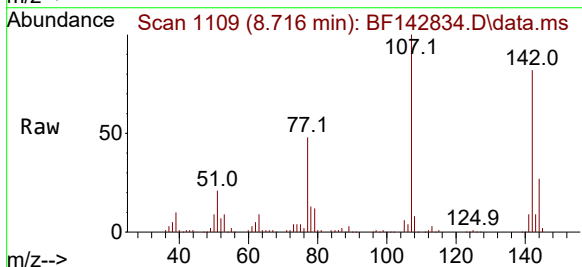
Instrument :
BNA_F
ClientSampleId :
SSTDCCC040

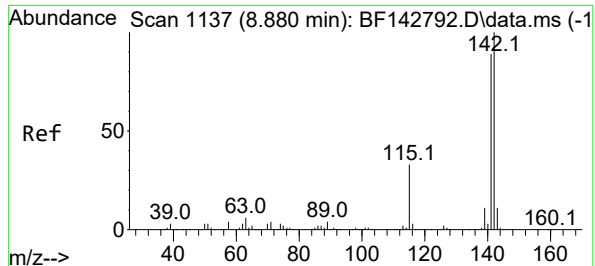
Tgt Ion:113 Resp: 33107
Ion Ratio Lower Upper
113 100
55 171.0 154.4 194.4
56 131.2 112.1 152.1



#36
4-Chloro-3-methylphenol
Concen: 42.309 ng
RT: 8.716 min Scan# 1109
Delta R.T. 0.000 min
Lab File: BF142834.D
Acq: 25 Jun 2025 13:25

Tgt Ion:107 Resp: 128828
Ion Ratio Lower Upper
107 100
144 26.8 21.3 31.9
142 82.3 66.6 100.0





#37

2-Methylnaphthalene

Concen: 46.536 ng

RT: 8.875 min Scan# 1136

Delta R.T. -0.006 min

Lab File: BF142834.D

Acq: 25 Jun 2025 13:25

Instrument :

BNA_F

ClientSampleId :

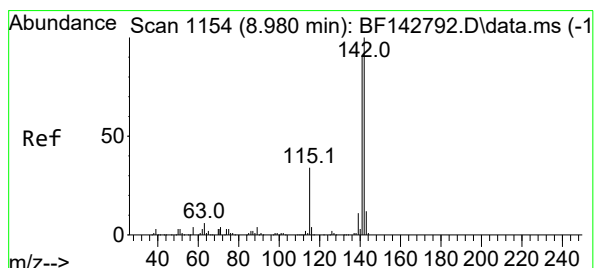
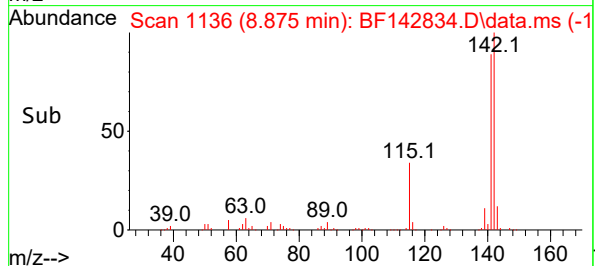
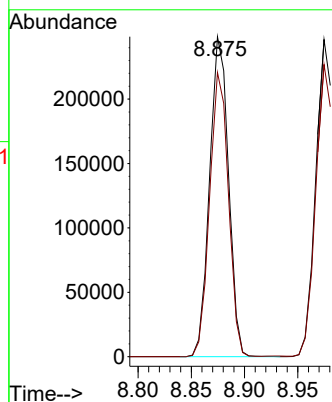
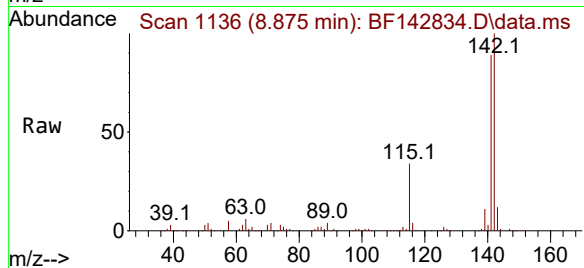
SSTDCCC040

Tgt Ion:142 Resp: 306467

Ion Ratio Lower Upper

142 100

141 88.8 70.9 106.3



#38

1-Methylnaphthalene

Concen: 44.105 ng

RT: 8.975 min Scan# 1153

Delta R.T. -0.006 min

Lab File: BF142834.D

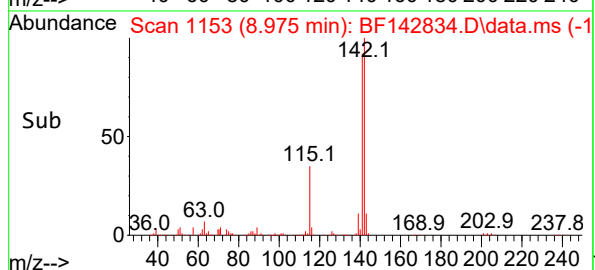
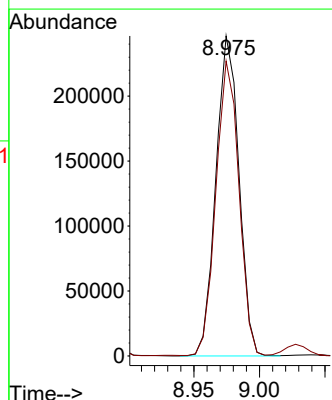
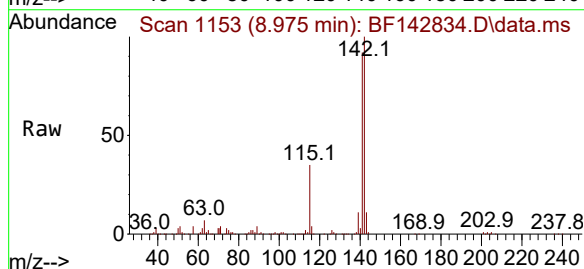
Acq: 25 Jun 2025 13:25

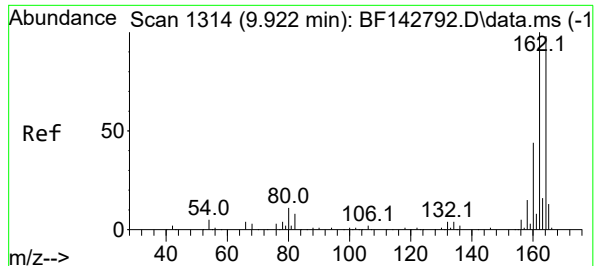
Tgt Ion:142 Resp: 300675

Ion Ratio Lower Upper

142 100

141 92.1 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: BF142834.D

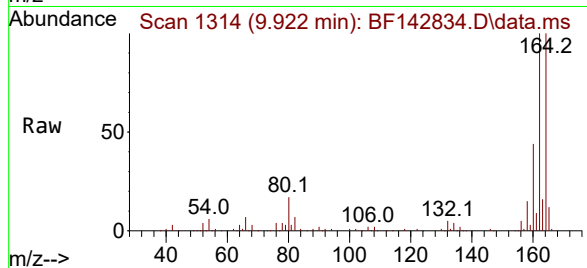
Acq: 25 Jun 2025 13:25

Instrument :

BNA_F

ClientSampleId :

SSTDCCC040



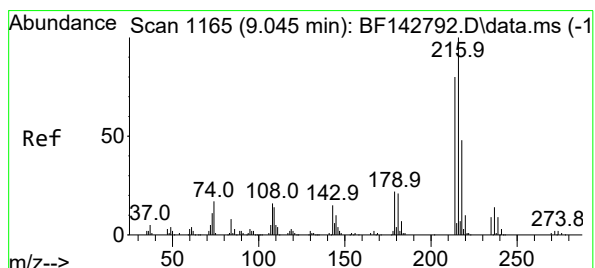
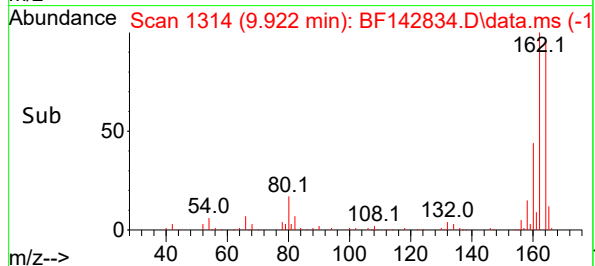
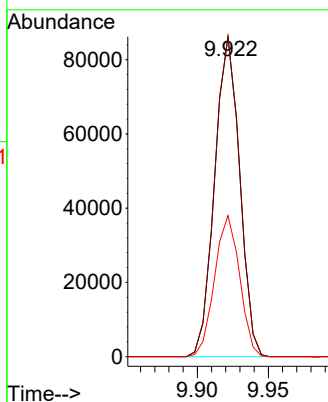
Tgt Ion:164 Resp: 105351

Ion Ratio Lower Upper

164 100

162 99.9 81.8 122.8

160 44.1 36.0 54.0



#40

1,2,4,5-Tetrachlorobenzene

Concen: 47.441 ng

RT: 9.045 min Scan# 1165

Delta R.T. 0.000 min

Lab File: BF142834.D

Acq: 25 Jun 2025 13:25

Tgt Ion:216 Resp: 147474

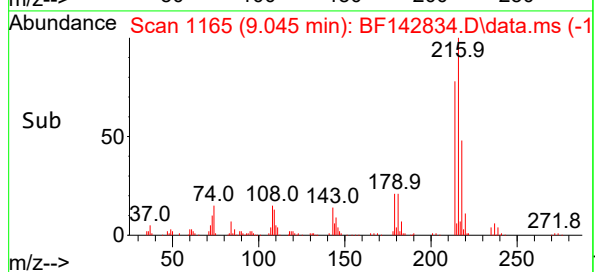
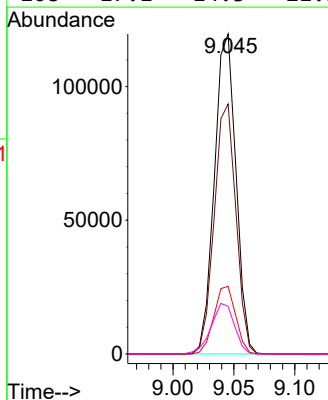
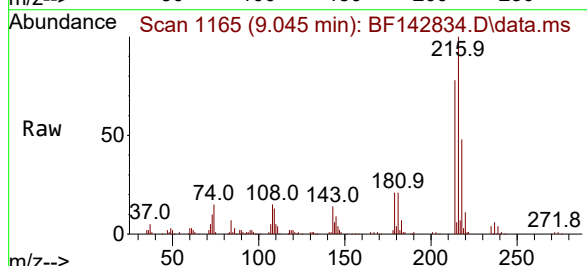
Ion Ratio Lower Upper

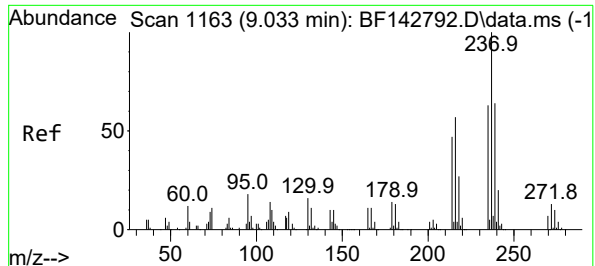
216 100

214 78.4 63.7 95.5

179 21.4 17.6 26.4

108 17.1 14.3 21.5





#41

Hexachlorocyclopentadiene

Concen: 47.699 ng

RT: 9.028 min Scan# 1162

Delta R.T. -0.006 min

Lab File: BF142834.D

Acq: 25 Jun 2025 13:25

Instrument :

BNA_F

ClientSampleId :

SSTDCCC040

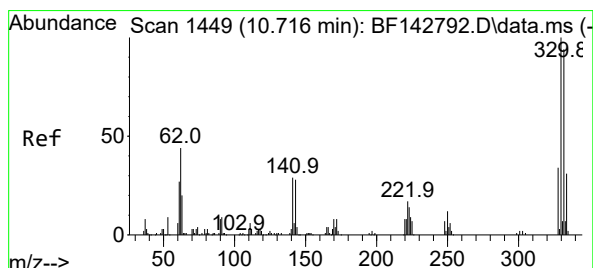
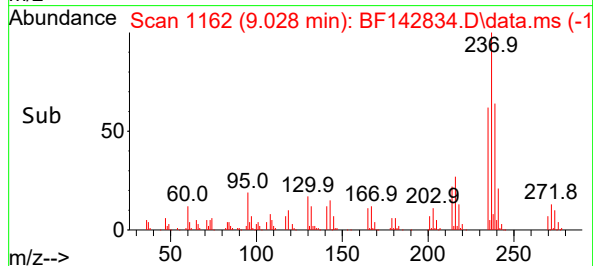
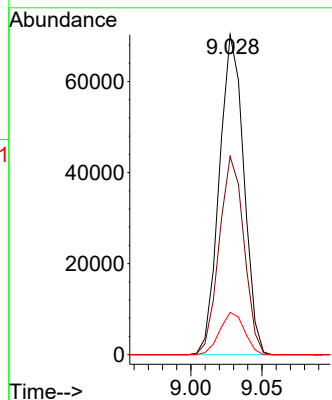
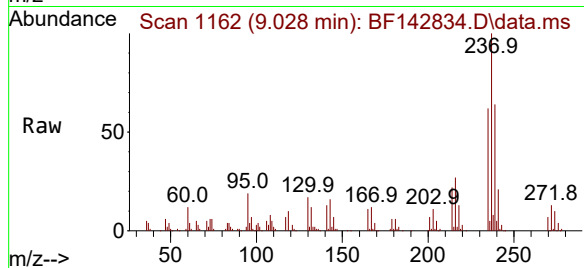
Tgt Ion:237 Resp: 84143

Ion Ratio Lower Upper

237 100

235 62.0 43.4 83.4

272 13.2 0.0 32.7



#42

2,4,6-Tribromophenol

Concen: 84.173 ng

RT: 10.710 min Scan# 1448

Delta R.T. -0.006 min

Lab File: BF142834.D

Acq: 25 Jun 2025 13:25

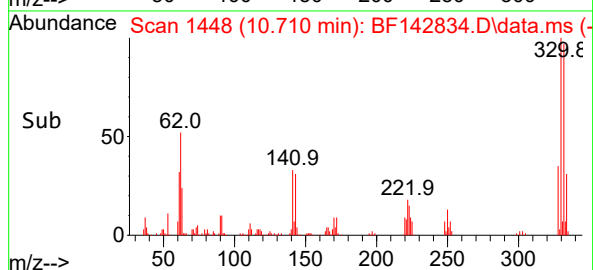
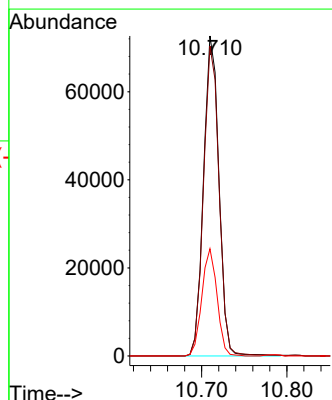
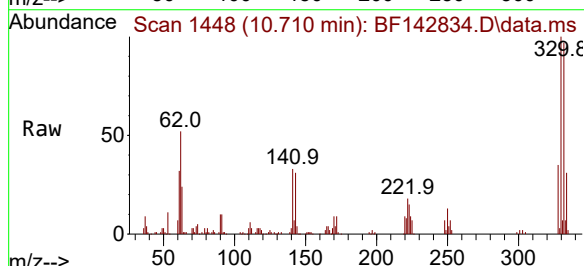
Tgt Ion:330 Resp: 91255

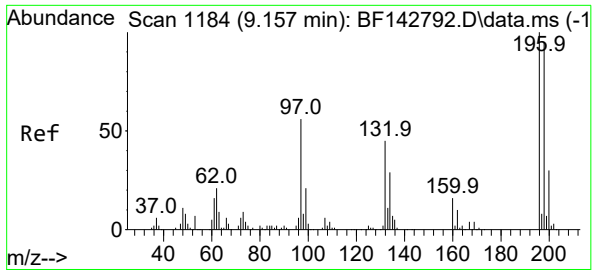
Ion Ratio Lower Upper

330 100

332 97.4 75.0 112.6

141 33.0 25.3 37.9





#43

2,4,6-Trichlorophenol

Concen: 44.992 ng

RT: 9.157 min Scan# 1184

Delta R.T. 0.000 min

Lab File: BF142834.D

Acq: 25 Jun 2025 13:25

Instrument :

BNA_F

ClientSampleId :

SSTDCCC040

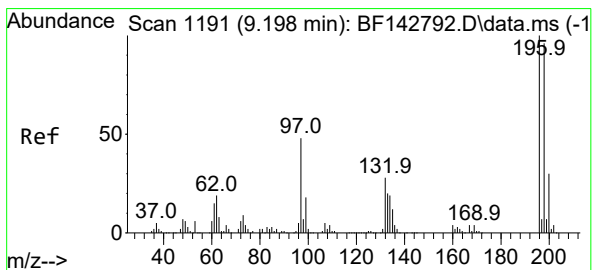
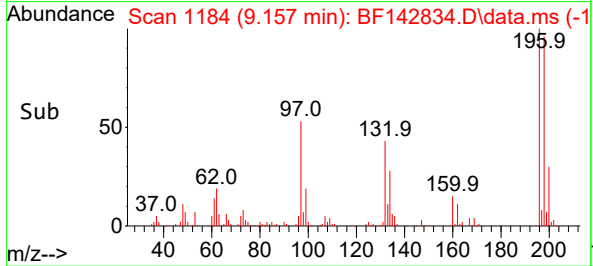
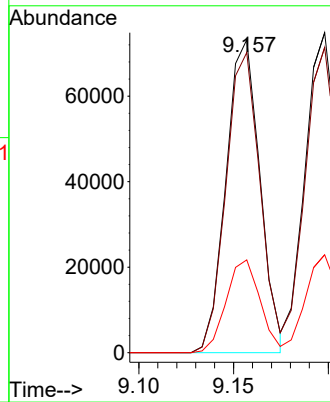
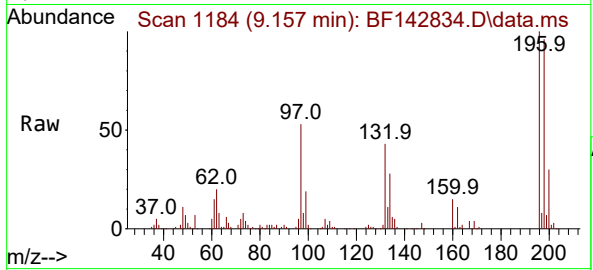
Tgt Ion:196 Resp: 91136

Ion Ratio Lower Upper

196 100

198 95.9 76.2 114.2

200 29.7 24.1 36.1



#44

2,4,5-Trichlorophenol

Concen: 44.977 ng

RT: 9.198 min Scan# 1191

Delta R.T. 0.000 min

Lab File: BF142834.D

Acq: 25 Jun 2025 13:25

Tgt Ion:196 Resp: 95905

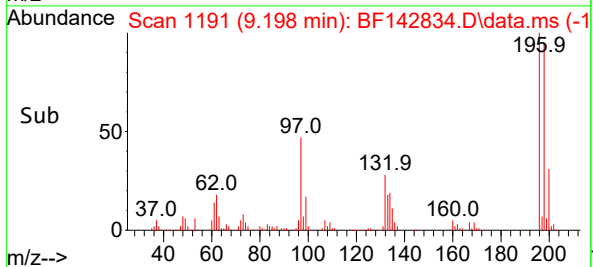
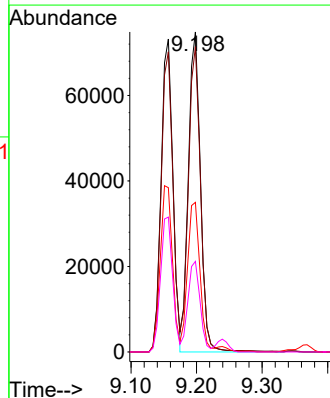
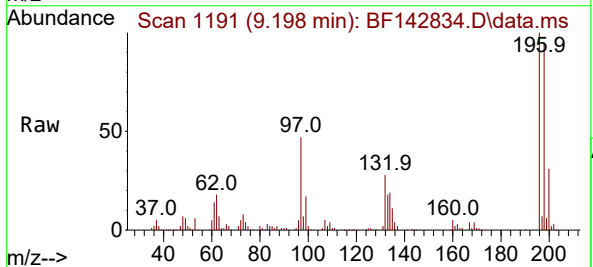
Ion Ratio Lower Upper

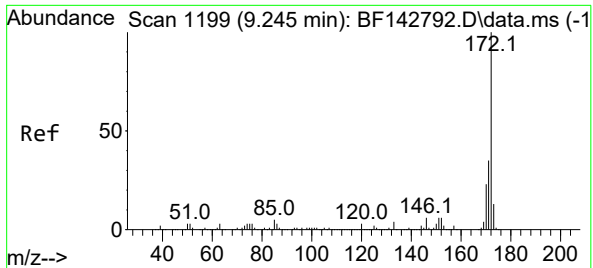
196 100

198 95.4 76.6 115.0

97 46.7 38.2 57.2

132 28.3 23.4 35.0





#45

2-Fluorobiphenyl

Concen: 94.396 ng

RT: 9.239 min Scan# 1198

Delta R.T. -0.006 min

Lab File: BF142834.D

Acq: 25 Jun 2025 13:25

Instrument :

BNA_F

ClientSampleId :

SSTDCCC040

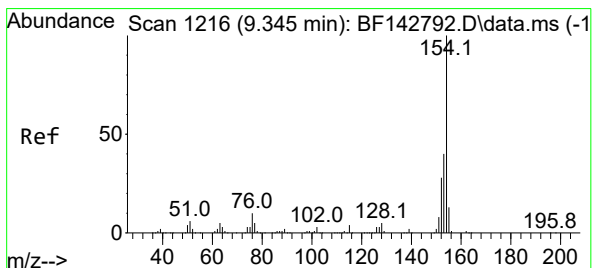
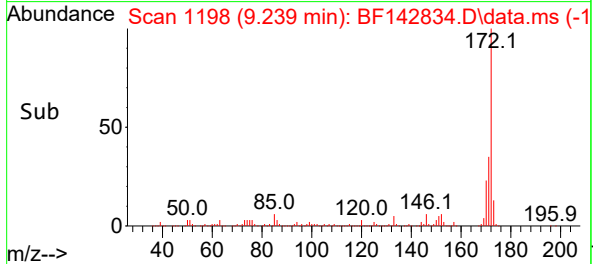
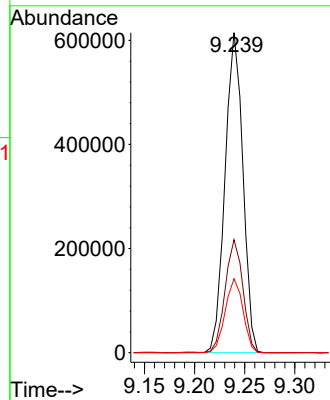
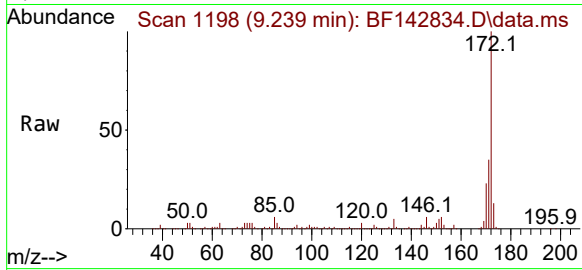
Tgt Ion:172 Resp: 757016

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: 45.199 ng

RT: 9.339 min Scan# 1215

Delta R.T. -0.006 min

Lab File: BF142834.D

Acq: 25 Jun 2025 13:25

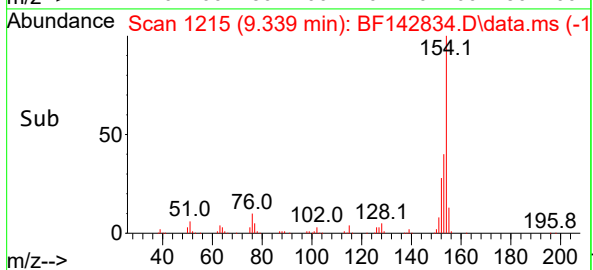
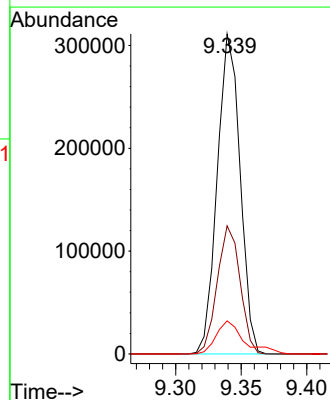
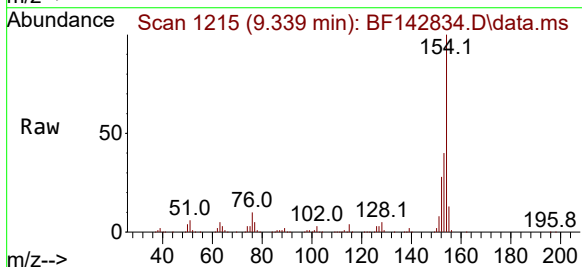
Tgt Ion:154 Resp: 376150

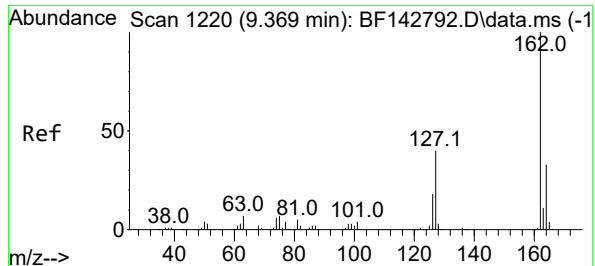
Ion Ratio Lower Upper

154 100

153 40.1 20.3 60.3

76 10.4 0.0 30.3





#47

2-Chloronaphthalene

Concen: 44.220 ng

RT: 9.369 min Scan# 1220

Delta R.T. 0.000 min

Lab File: BF142834.D

Acq: 25 Jun 2025 13:25

Instrument :

BNA_F

ClientSampleId :

SSTDCCC040

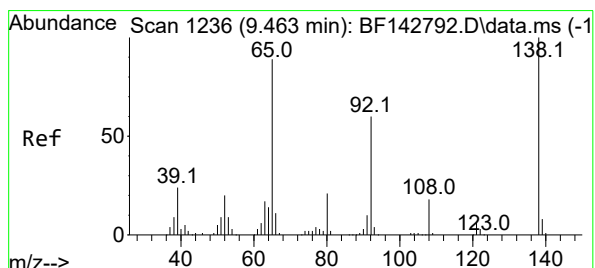
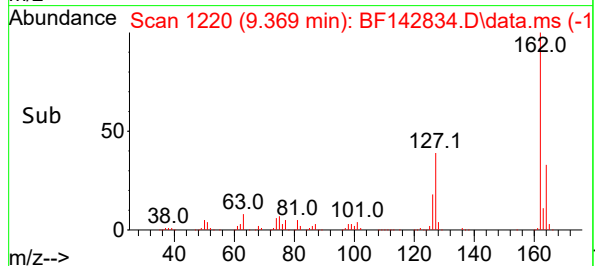
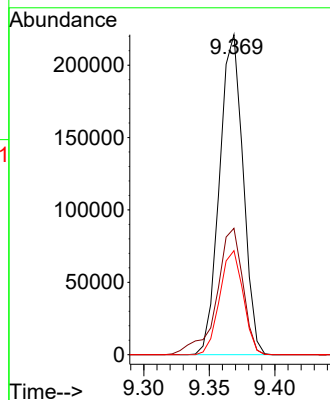
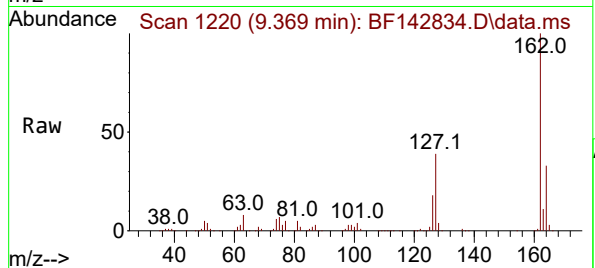
Tgt Ion:162 Resp: 276163

Ion Ratio Lower Upper

162 100

127 39.5 32.2 48.2

164 32.5 26.1 39.1



#48

2-Nitroaniline

Concen: 42.049 ng

RT: 9.463 min Scan# 1236

Delta R.T. 0.000 min

Lab File: BF142834.D

Acq: 25 Jun 2025 13:25

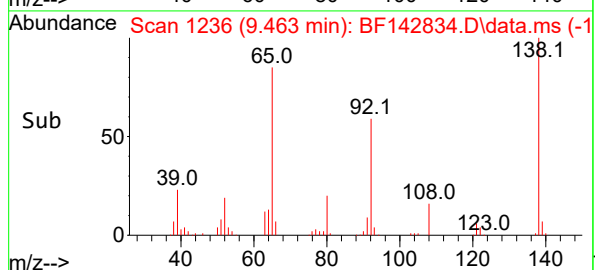
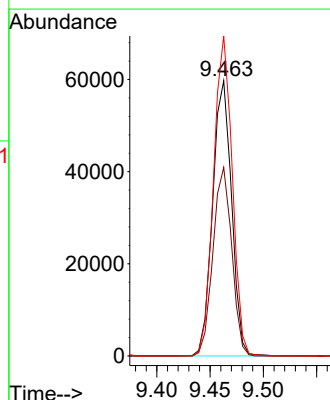
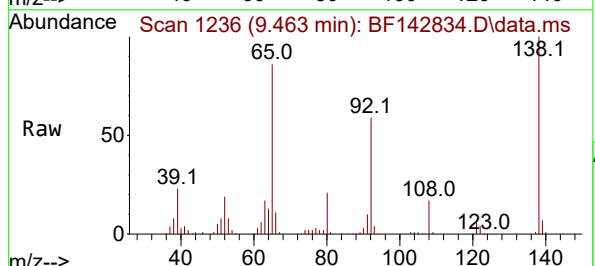
Tgt Ion: 65 Resp: 73622

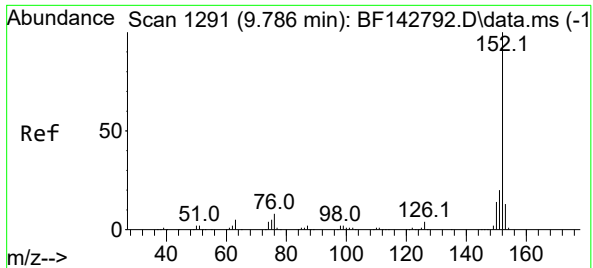
Ion Ratio Lower Upper

65 100

92 68.5 53.8 80.6

138 116.3 89.6 134.4





#49

Acenaphthylene

Concen: 41.275 ng

RT: 9.780 min Scan# 11

Delta R.T. -0.006 min

Lab File: BF142834.D

Acq: 25 Jun 2025 13:25

Instrument :

BNA_F

ClientSampleId :

SSTDCCC040

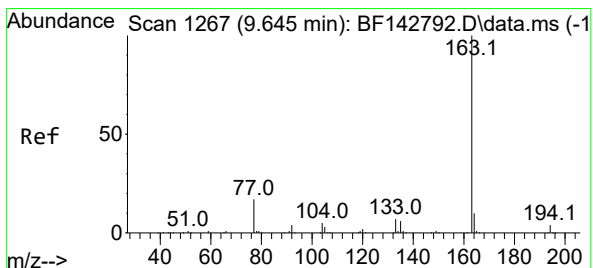
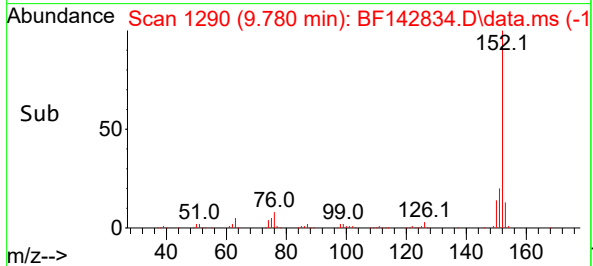
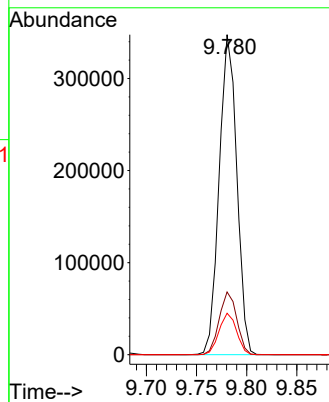
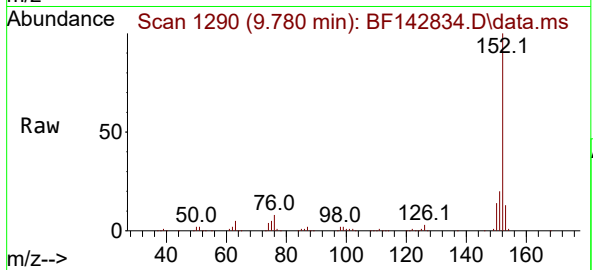
Tgt Ion:152 Resp: 424345

Ion Ratio Lower Upper

152 100

151 19.6 16.1 24.1

153 12.9 10.4 15.6



#50

Dimethylphthalate

Concen: 43.304 ng

RT: 9.639 min Scan# 1266

Delta R.T. -0.006 min

Lab File: BF142834.D

Acq: 25 Jun 2025 13:25

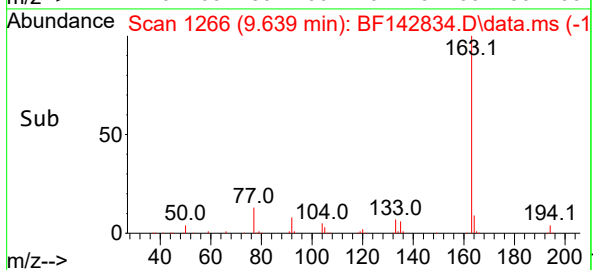
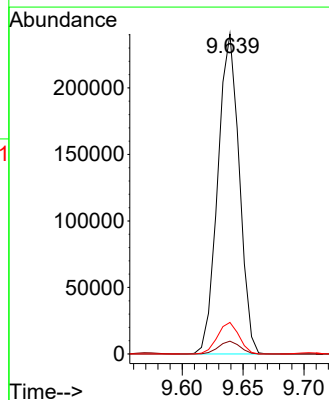
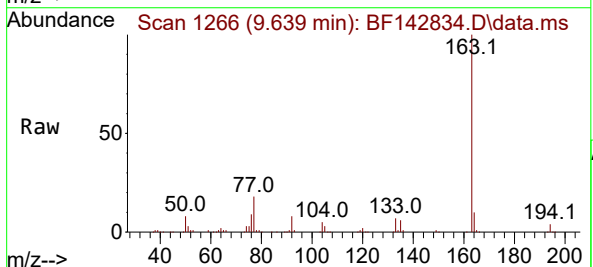
Tgt Ion:163 Resp: 295308

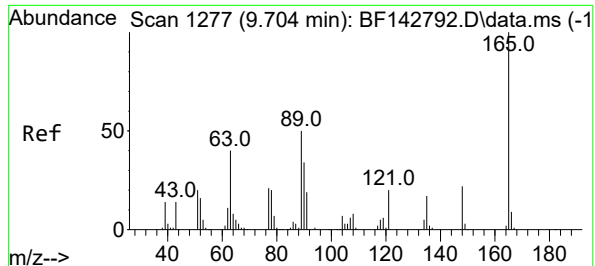
Ion Ratio Lower Upper

163 100

194 4.0 3.3 4.9

164 9.8 8.0 12.0





#51

2,6-Dinitrotoluene

Concen: 43.414 ng

RT: 9.704 min Scan# 11

Delta R.T. -0.000 min

Lab File: BF142834.D

Acq: 25 Jun 2025 13:25

Instrument :

BNA_F

ClientSampleId :

SSTDCCC040

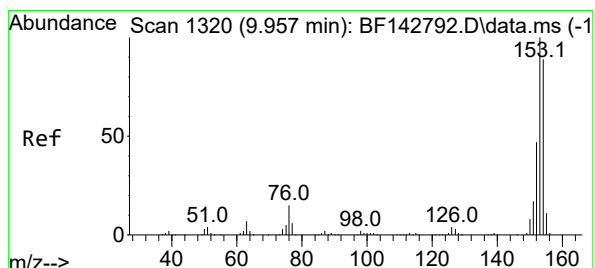
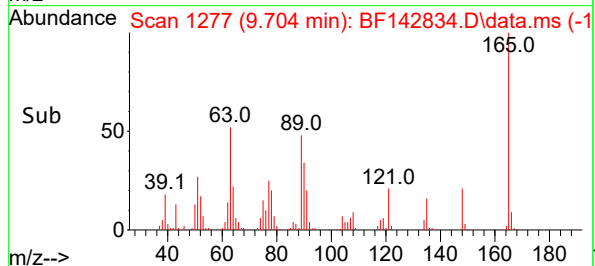
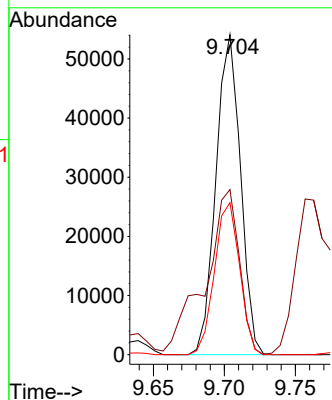
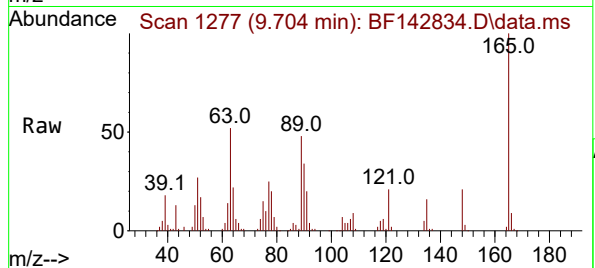
Tgt Ion:165 Resp: 65017

Ion Ratio Lower Upper

165 100

63 51.6 44.2 66.4

89 47.5 39.8 59.8



#52

Acenaphthene

Concen: 44.920 ng

RT: 9.957 min Scan# 1320

Delta R.T. 0.000 min

Lab File: BF142834.D

Acq: 25 Jun 2025 13:25

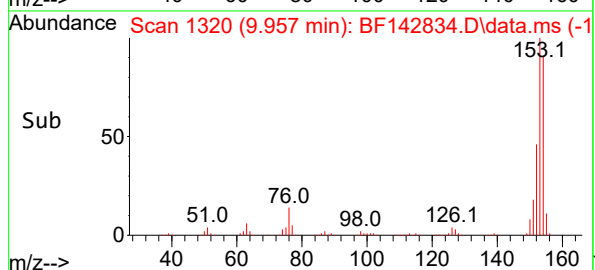
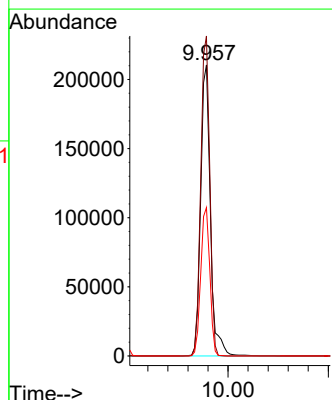
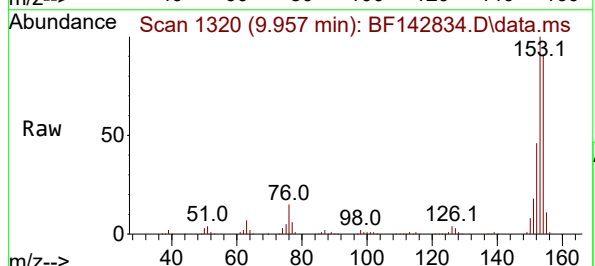
Tgt Ion:154 Resp: 281768

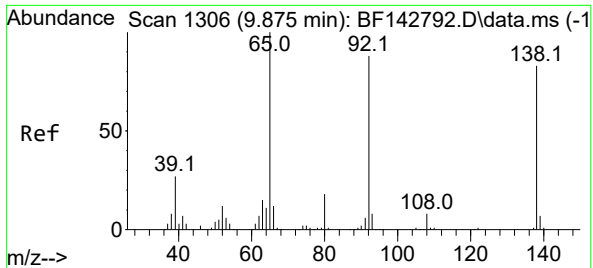
Ion Ratio Lower Upper

154 100

153 109.9 90.0 135.0

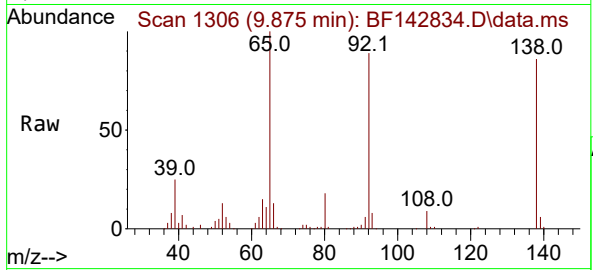
152 50.9 41.9 62.9



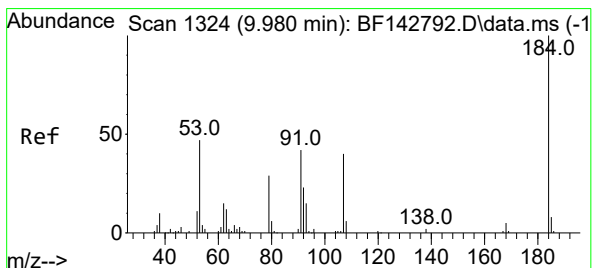
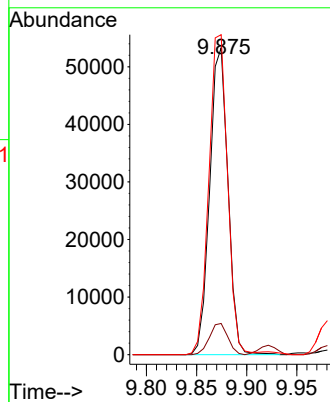
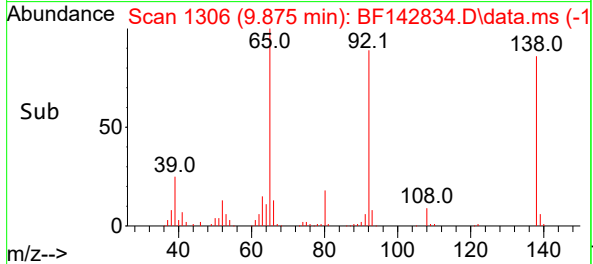


#53
3-Nitroaniline
Concen: 40.967 ng
RT: 9.875 min Scan# 1306
Delta R.T. 0.000 min
Lab File: BF142834.D
Acq: 25 Jun 2025 13:25

Instrument :
BNA_F
ClientSampleId :
SSTDCCC040

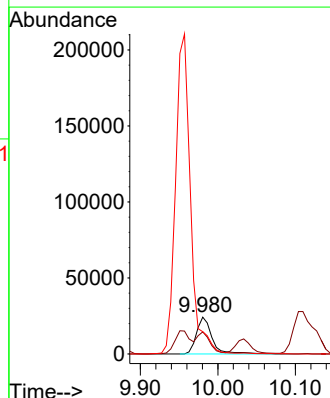
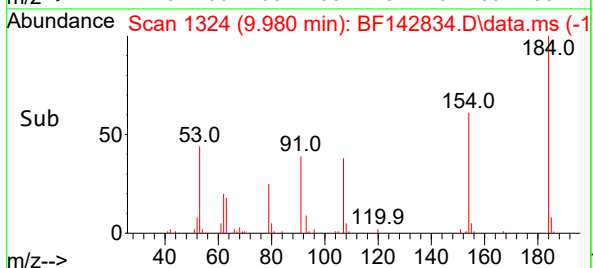
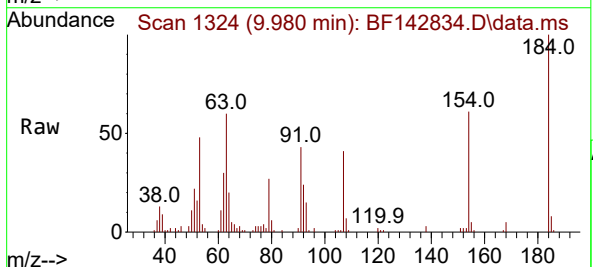


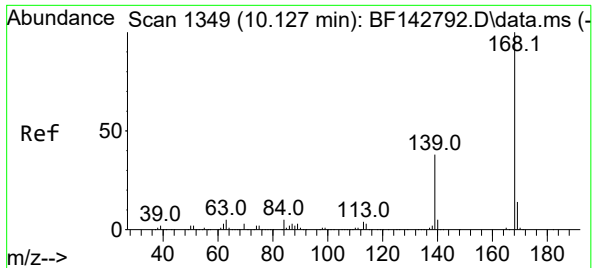
Tgt Ion:138 Resp: 67550
Ion Ratio Lower Upper
138 100
108 10.2 8.1 12.1
92 104.3 85.1 127.7



#54
2,4-Dinitrophenol
Concen: 44.832 ng
RT: 9.980 min Scan# 1324
Delta R.T. 0.000 min
Lab File: BF142834.D
Acq: 25 Jun 2025 13:25

Tgt Ion:184 Resp: 33619
Ion Ratio Lower Upper
184 100
63 60.2 50.6 75.8
154 60.7 51.8 77.8

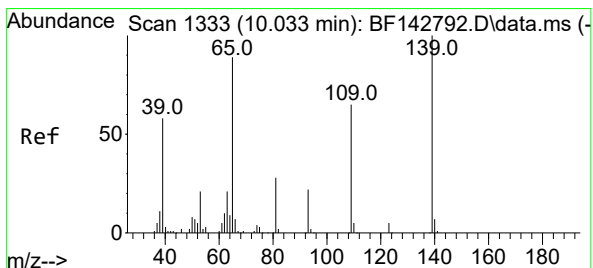
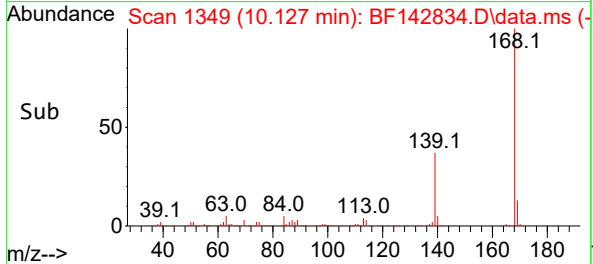
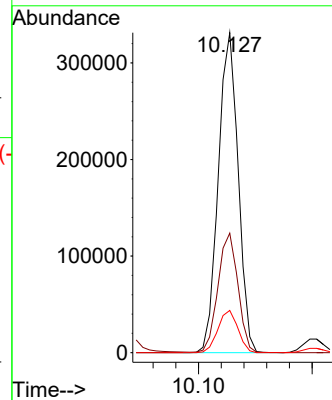
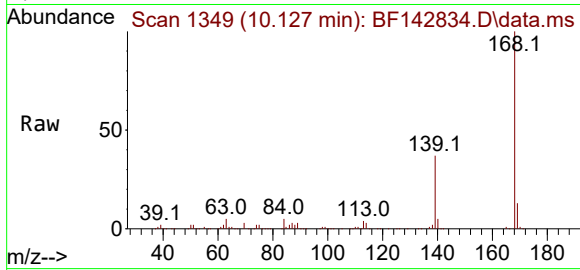




#55
Dibenzofuran
Concen: 44.746 ng
RT: 10.127 min Scan# 1349
Delta R.T. 0.000 min
Lab File: BF142834.D
Acq: 25 Jun 2025 13:25

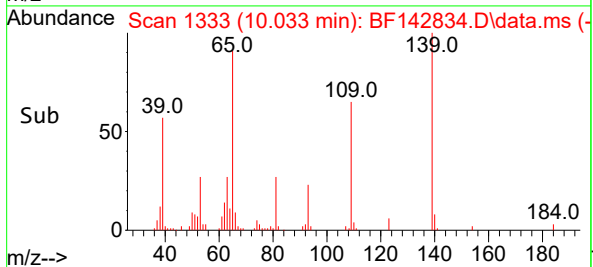
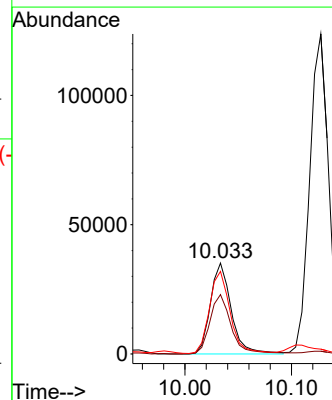
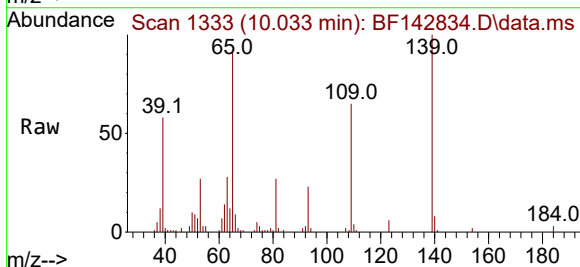
Instrument :
BNA_F
ClientSampleId :
SSTDCCC040

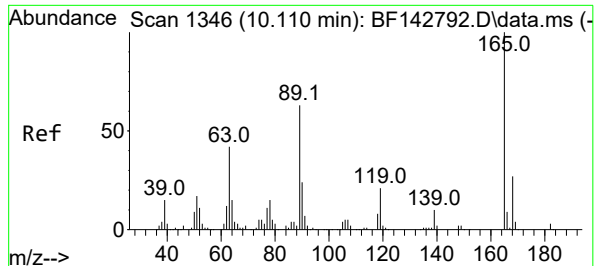
Tgt Ion:168 Resp: 402477
Ion Ratio Lower Upper
168 100
139 37.4 30.2 45.4
169 13.2 10.8 16.2



#56
4-Nitrophenol
Concen: 42.364 ng
RT: 10.033 min Scan# 1333
Delta R.T. 0.000 min
Lab File: BF142834.D
Acq: 25 Jun 2025 13:25

Tgt Ion:139 Resp: 47821
Ion Ratio Lower Upper
139 100
109 65.2 44.7 84.7
65 90.8 69.8 109.8





#57

2,4-Dinitrotoluene

Concen: 41.648 ng

RT: 10.110 min Scan# 1

Delta R.T. 0.000 min

Lab File: BF142834.D

Acq: 25 Jun 2025 13:25

Instrument :

BNA_F

ClientSampleId :

SSTDCCC040

Tgt Ion:165 Resp: 82849

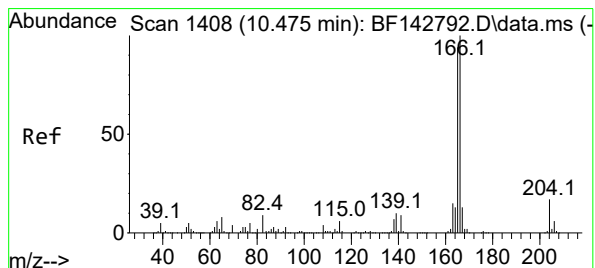
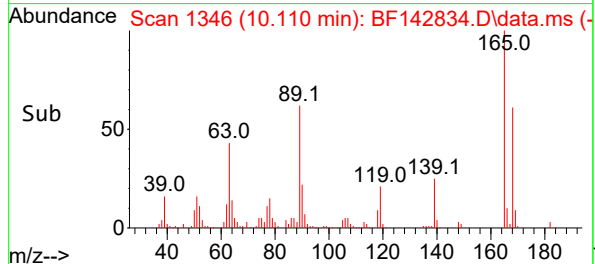
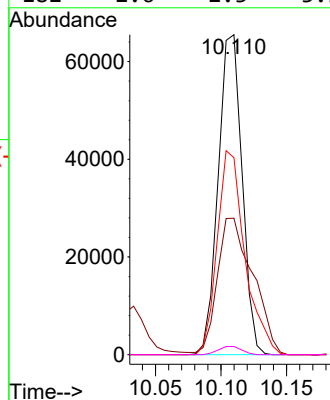
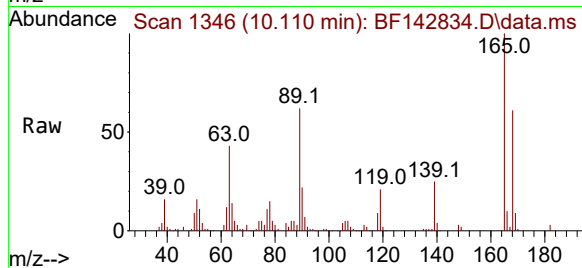
Ion Ratio Lower Upper

165 100

63 42.6 33.9 50.9

89 61.6 50.6 75.8

182 2.6 2.3 3.5



#58

Fluorene

Concen: 42.997 ng

RT: 10.469 min Scan# 1407

Delta R.T. -0.006 min

Lab File: BF142834.D

Acq: 25 Jun 2025 13:25

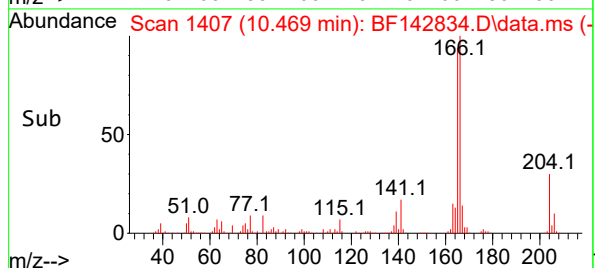
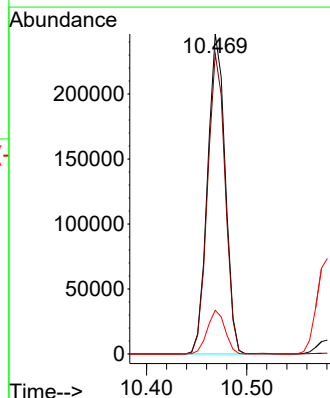
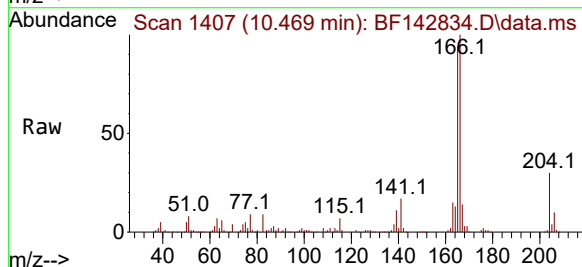
Tgt Ion:166 Resp: 302042

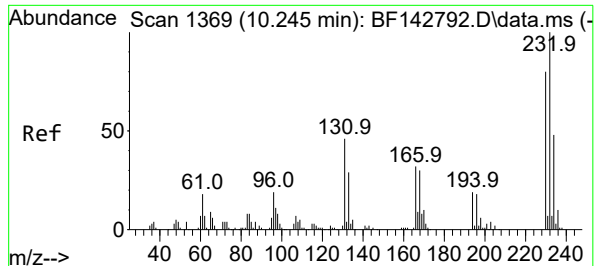
Ion Ratio Lower Upper

166 100

165 93.8 75.2 112.8

167 13.7 10.6 15.8

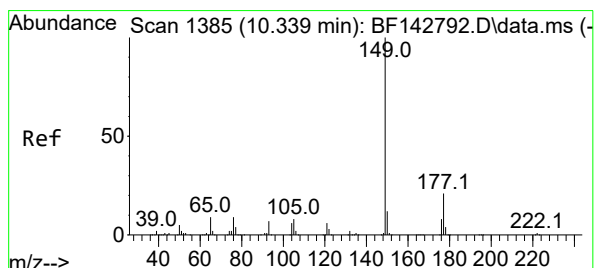
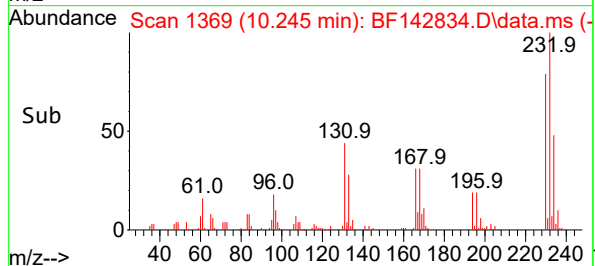
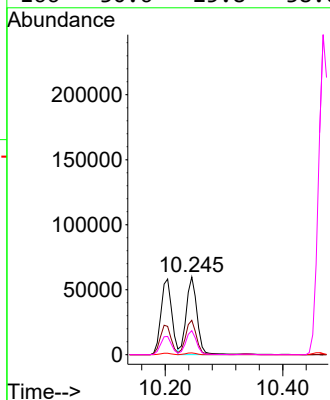
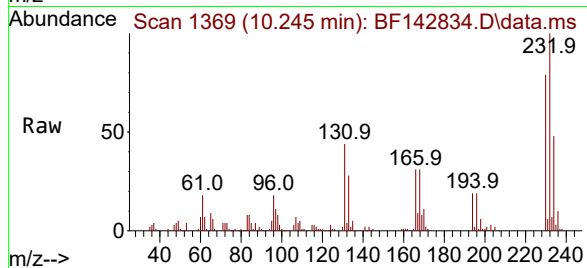




#59
2,3,4,6-Tetrachlorophenol
Concen: 44.458 ng
RT: 10.245 min Scan# 1369
Delta R.T. 0.000 min
Lab File: BF142834.D
Acq: 25 Jun 2025 13:25

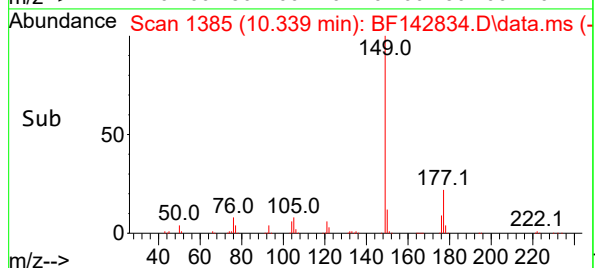
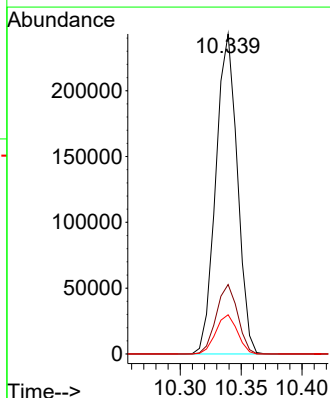
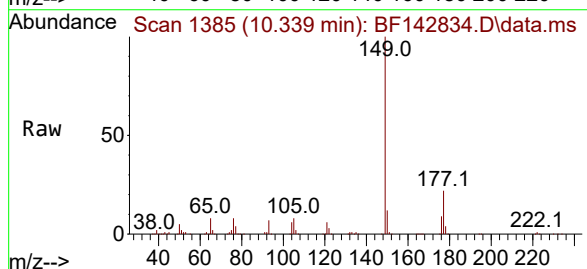
Instrument :
BNA_F
ClientSampleId :
SSTDCCC040

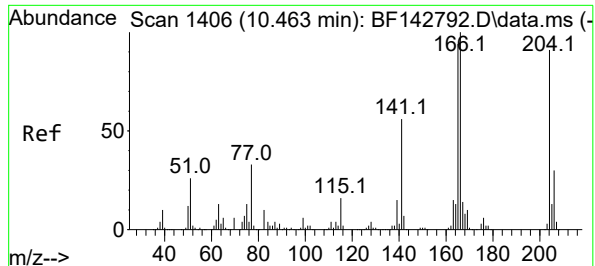
Tgt Ion:232 Resp: 76414
Ion Ratio Lower Upper
232 100
131 44.2 37.6 56.4
130 2.2 1.7 2.5
166 30.6 25.8 38.6



#60
Diethylphthalate
Concen: 44.703 ng
RT: 10.339 min Scan# 1385
Delta R.T. 0.000 min
Lab File: BF142834.D
Acq: 25 Jun 2025 13:25

Tgt Ion:149 Resp: 298902
Ion Ratio Lower Upper
149 100
177 21.7 17.0 25.6
150 12.3 9.8 14.6

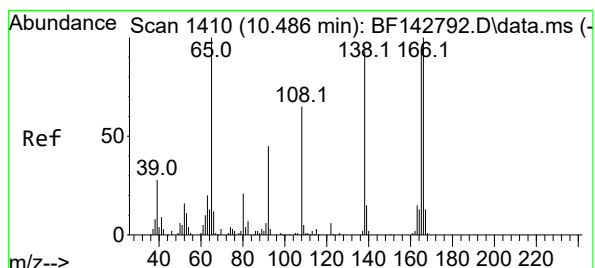
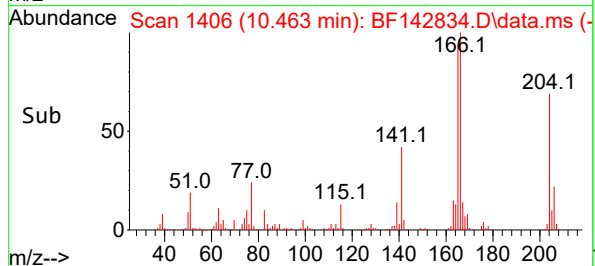
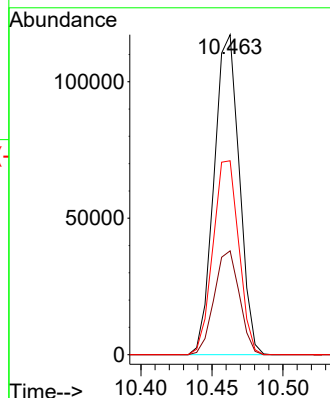
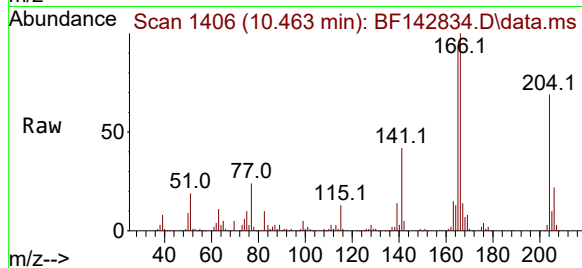




#61
4-Chlorophenyl-phenylether
Concen: 43.262 ng
RT: 10.463 min Scan# 1406
Delta R.T. 0.000 min
Lab File: BF142834.D
Acq: 25 Jun 2025 13:25

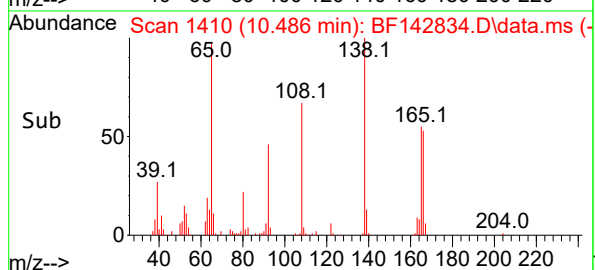
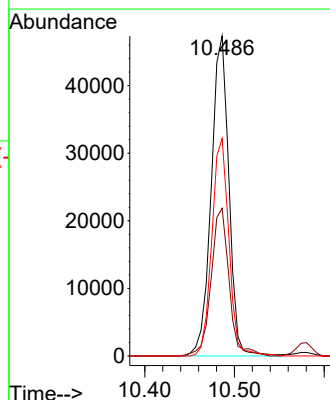
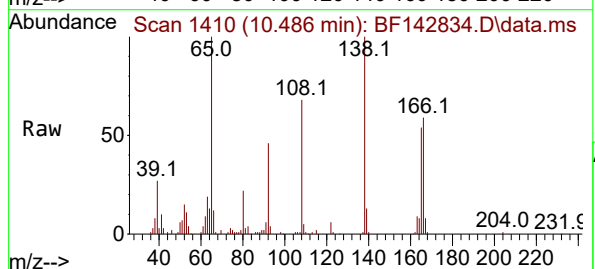
Instrument :
BNA_F
ClientSampleId :
SSTDCCC040

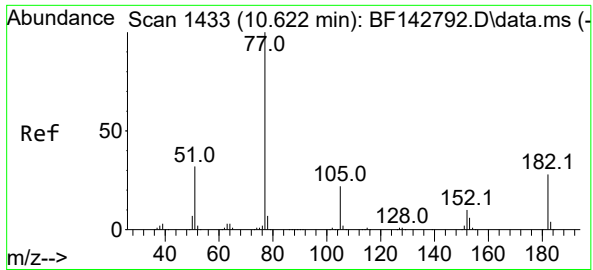
Tgt Ion:204 Resp: 145019
Ion Ratio Lower Upper
204 100
206 32.4 26.3 39.5
141 60.6 49.1 73.7



#62
4-Nitroaniline
Concen: 42.905 ng
RT: 10.486 min Scan# 1410
Delta R.T. 0.000 min
Lab File: BF142834.D
Acq: 25 Jun 2025 13:25

Tgt Ion:138 Resp: 64702
Ion Ratio Lower Upper
138 100
92 46.2 28.4 68.4
108 68.0 50.2 90.2

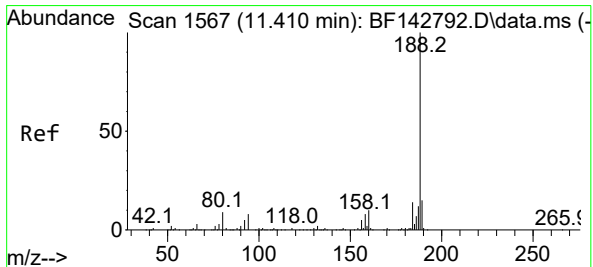
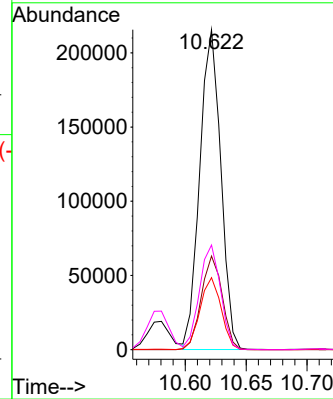
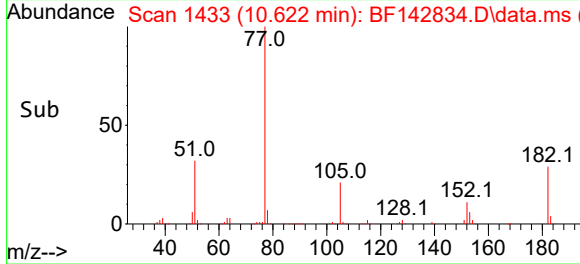
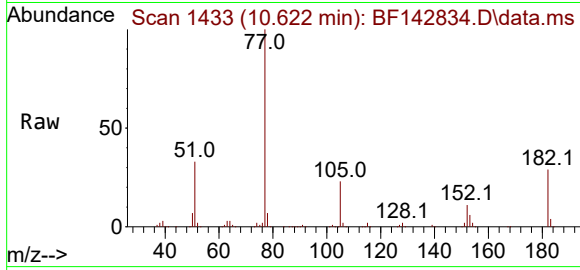




#63
Azobenzene
Concen: 43.395 ng
RT: 10.622 min Scan# 1433
Delta R.T. 0.000 min
Lab File: BF142834.D
Acq: 25 Jun 2025 13:25

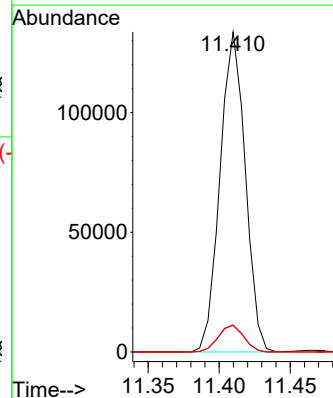
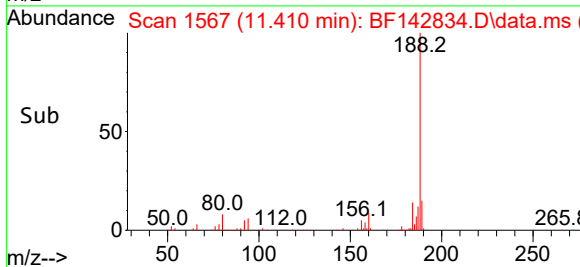
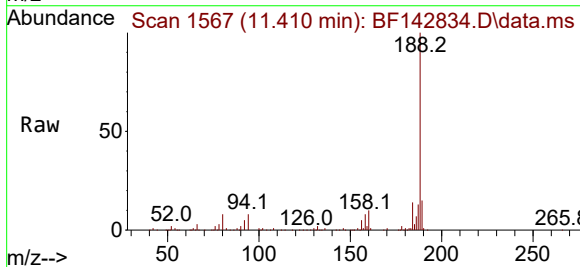
Instrument :
BNA_F
ClientSampleId :
SSTDCCC040

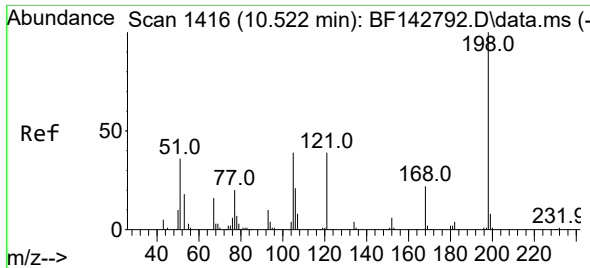
Tgt Ion	Ratio	Lower	Upper
77	100		
182	29.2	7.7	47.7
105	22.5	1.9	41.9
51	32.7	13.3	53.3



#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.410 min Scan# 1567
Delta R.T. 0.000 min
Lab File: BF142834.D
Acq: 25 Jun 2025 13:25

Tgt Ion	Ratio	Lower	Upper
188	100		
94	8.3	6.7	10.1
80	8.4	6.9	10.3

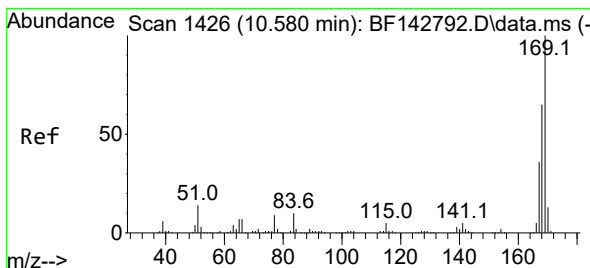
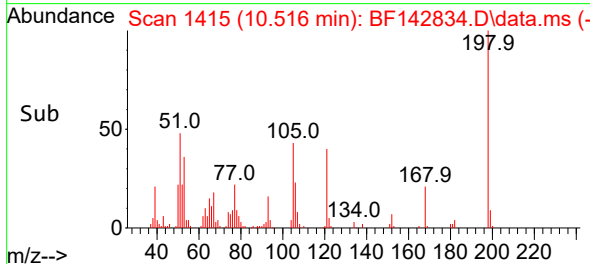
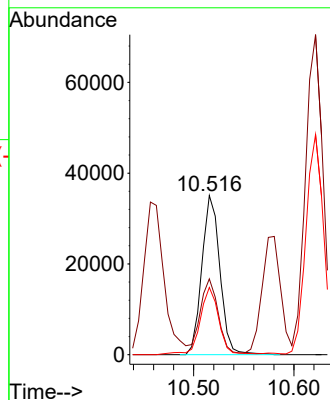
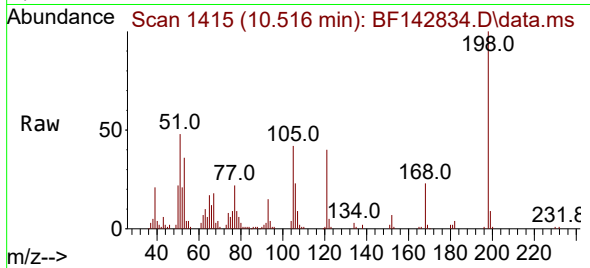




#65
4,6-Dinitro-2-methylphenol
Concen: 44.100 ng
RT: 10.516 min Scan# 1415
Delta R.T. -0.006 min
Lab File: BF142834.D
Acq: 25 Jun 2025 13:25

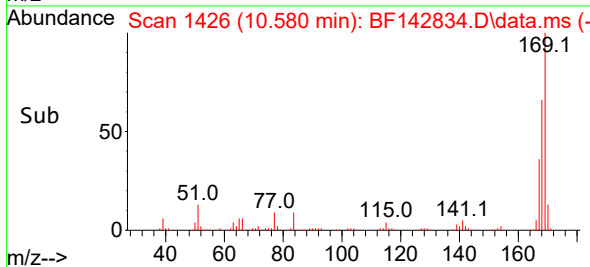
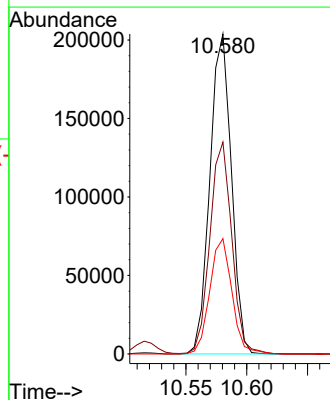
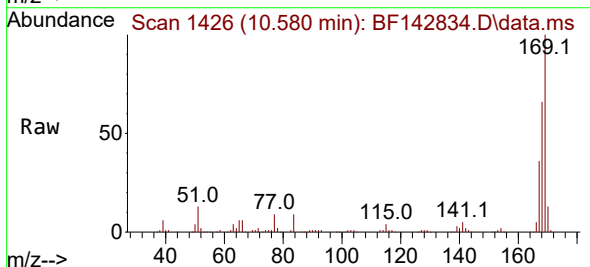
Instrument :
BNA_F
ClientSampleId :
SSTDCCC040

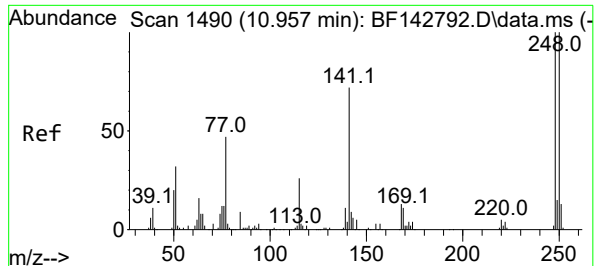
Tgt Ion:198 Resp: 44027
Ion Ratio Lower Upper
198 100
51 47.7 25.4 65.4
105 42.2 20.4 60.4



#66
n-Nitrosodiphenylamine
Concen: 43.770 ng
RT: 10.580 min Scan# 1426
Delta R.T. 0.000 min
Lab File: BF142834.D
Acq: 25 Jun 2025 13:25

Tgt Ion:169 Resp: 250374
Ion Ratio Lower Upper
169 100
168 66.2 51.9 77.9
167 36.0 28.5 42.7

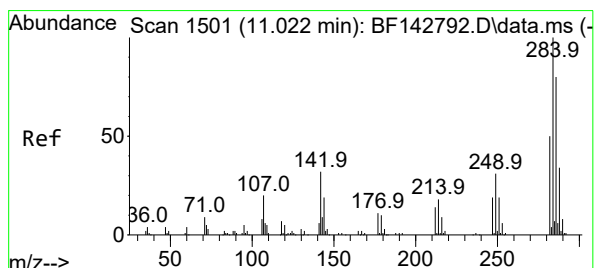
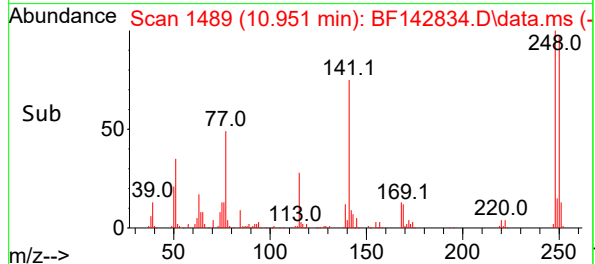
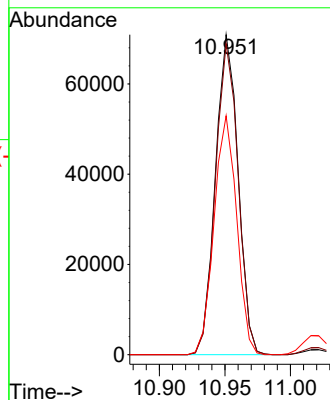
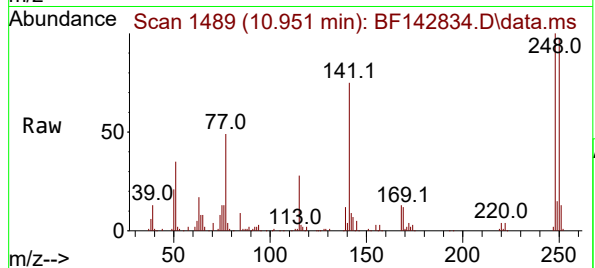




#67
4-Bromophenyl-phenylether
Concen: 45.479 ng
RT: 10.951 min Scan# 1490
Delta R.T. -0.006 min
Lab File: BF142834.D
Acq: 25 Jun 2025 13:25

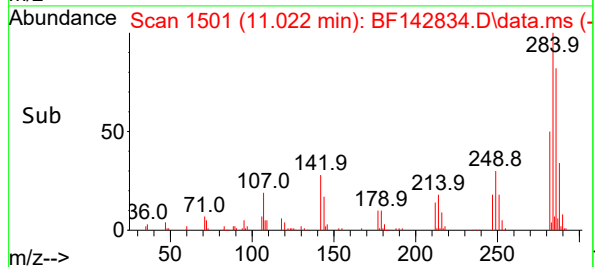
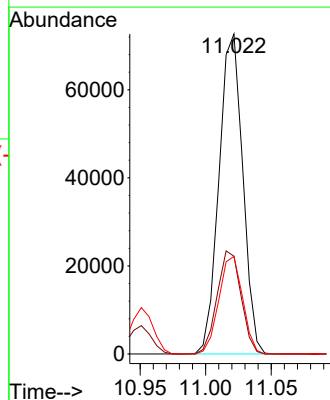
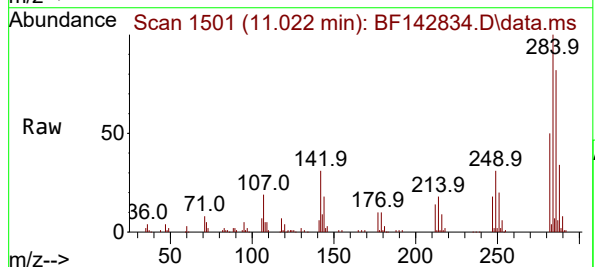
Instrument :
BNA_F
ClientSampleId :
SSTDCCC040

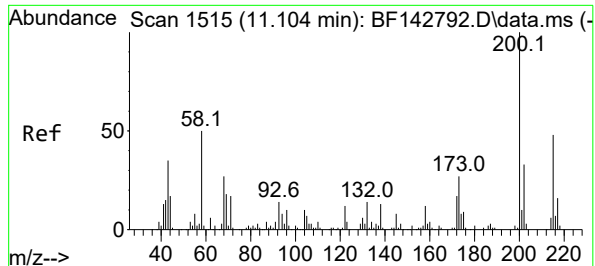
Tgt Ion:248 Resp: 85430
Ion Ratio Lower Upper
248 100
250 97.2 79.8 119.8
141 74.7 57.8 86.6



#68
Hexachlorobenzene
Concen: 43.810 ng
RT: 11.022 min Scan# 1501
Delta R.T. 0.000 min
Lab File: BF142834.D
Acq: 25 Jun 2025 13:25

Tgt Ion:284 Resp: 91443
Ion Ratio Lower Upper
284 100
142 30.5 25.5 38.3
249 30.5 24.9 37.3





#69

Atrazine

Concen: 44.922 ng

RT: 11.104 min Scan# 1515

Delta R.T. 0.000 min

Lab File: BF142834.D

Acq: 25 Jun 2025 13:25

Instrument :

BNA_F

ClientSampleId :

SSTDCCC040

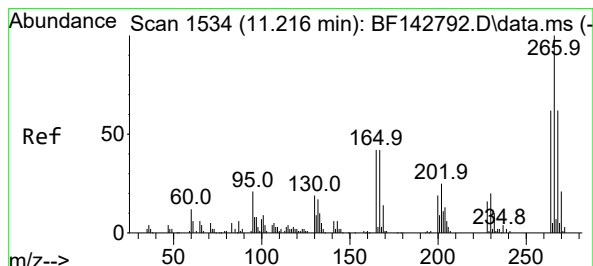
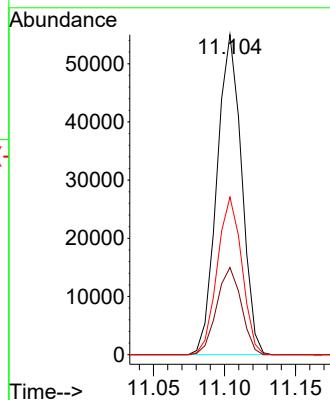
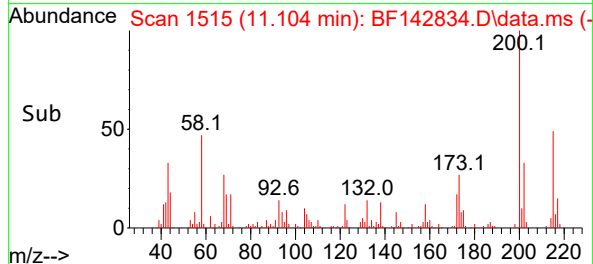
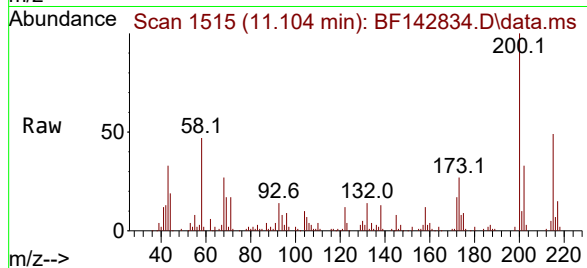
Tgt Ion:200 Resp: 66356

Ion Ratio Lower Upper

200 100

173 27.3 7.4 47.4

215 49.2 28.4 68.4



#70

Pentachlorophenol

Concen: 47.555 ng

RT: 11.216 min Scan# 1534

Delta R.T. -0.000 min

Lab File: BF142834.D

Acq: 25 Jun 2025 13:25

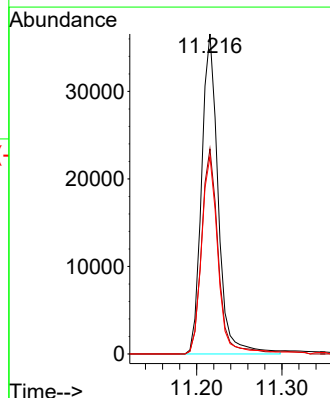
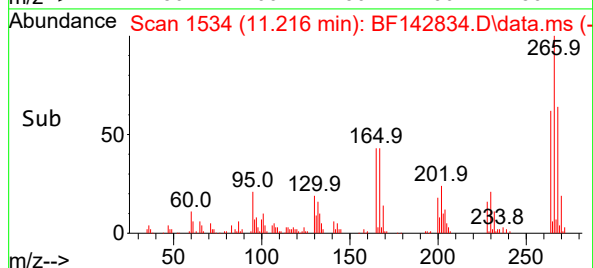
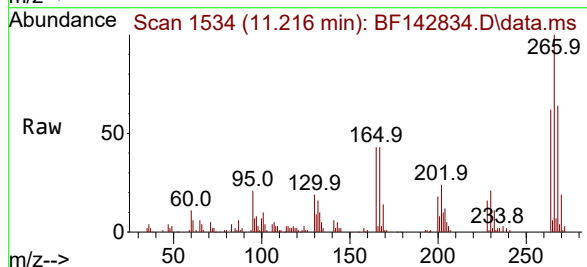
Tgt Ion:266 Resp: 49461

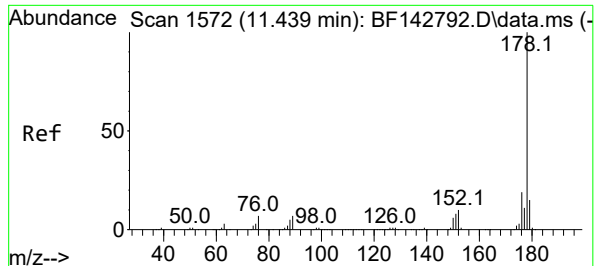
Ion Ratio Lower Upper

266 100

268 64.1 49.8 74.8

264 61.7 49.9 74.9

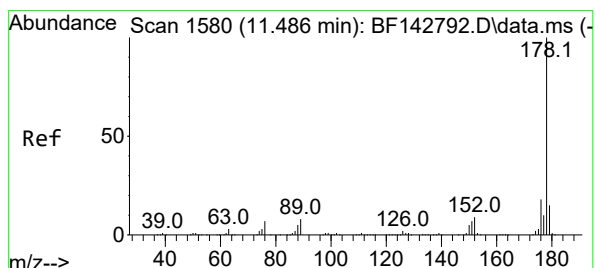
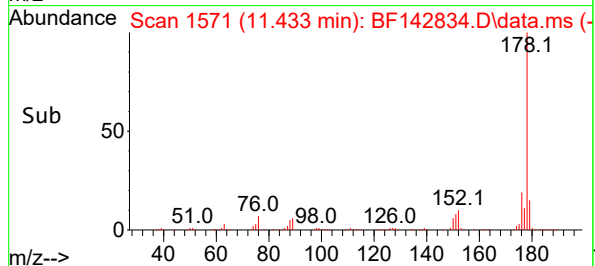
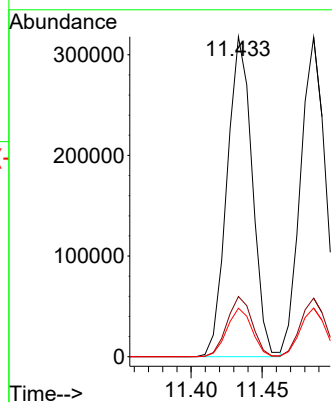
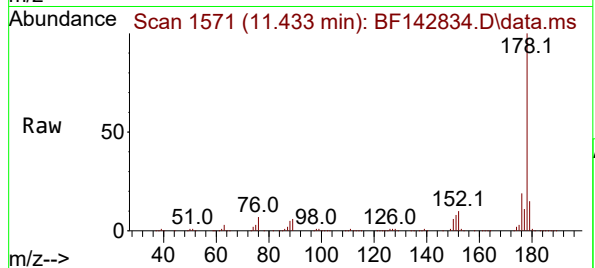




#71
Phenanthrene
Concen: 43.939 ng
RT: 11.433 min Scan# 1571
Delta R.T. -0.006 min
Lab File: BF142834.D
Acq: 25 Jun 2025 13:25

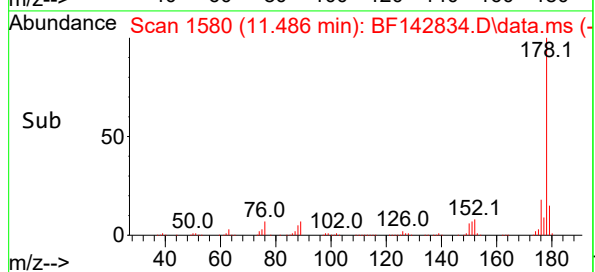
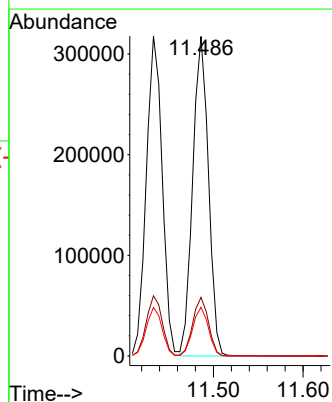
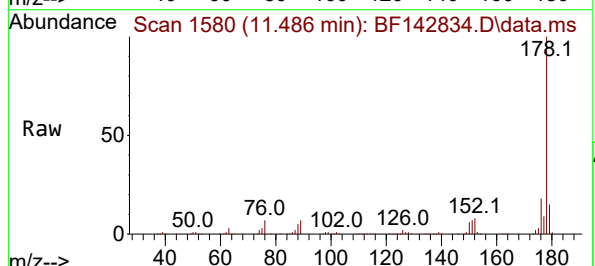
Instrument :
BNA_F
ClientSampleId :
SSTDCCC040

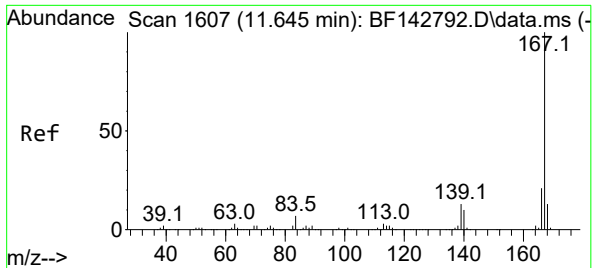
Tgt Ion:178 Resp: 392851
Ion Ratio Lower Upper
178 100
176 18.8 15.1 22.7
179 15.2 12.0 18.0



#72
Anthracene
Concen: 42.146 ng
RT: 11.486 min Scan# 1580
Delta R.T. 0.000 min
Lab File: BF142834.D
Acq: 25 Jun 2025 13:25

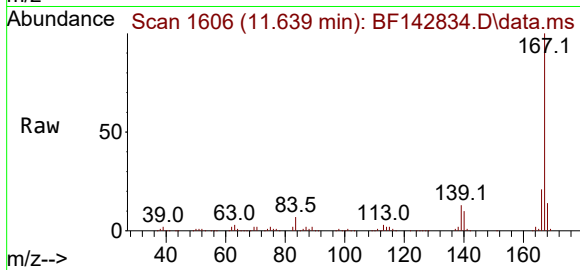
Tgt Ion:178 Resp: 386458
Ion Ratio Lower Upper
178 100
176 18.3 14.6 21.8
179 15.2 12.4 18.6



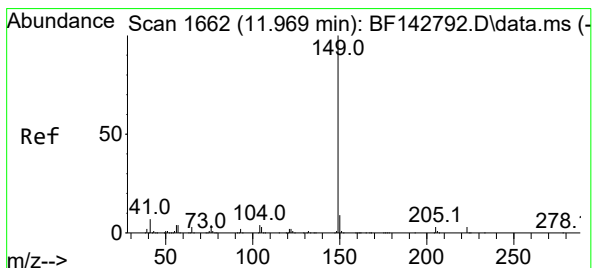
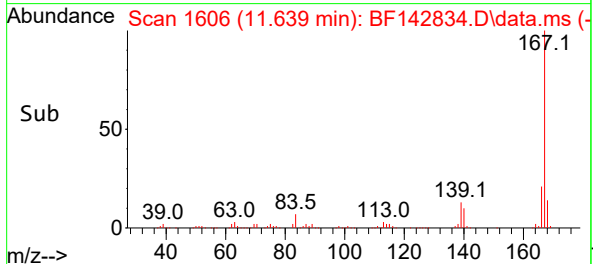
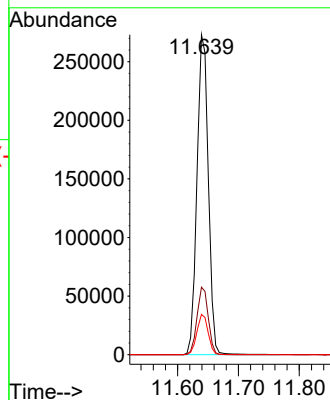


#73
Carbazole
Concen: 44.618 ng
RT: 11.639 min Scan# 1606
Delta R.T. -0.006 min
Lab File: BF142834.D
Acq: 25 Jun 2025 13:25

Instrument :
BNA_F
ClientSampleId :
SSTDCCC040

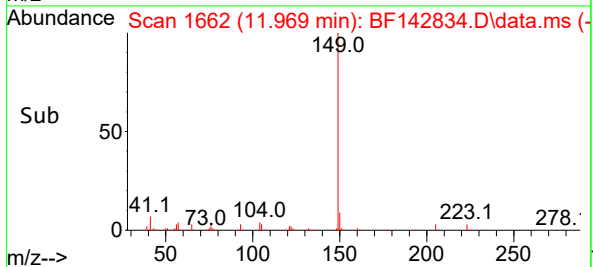
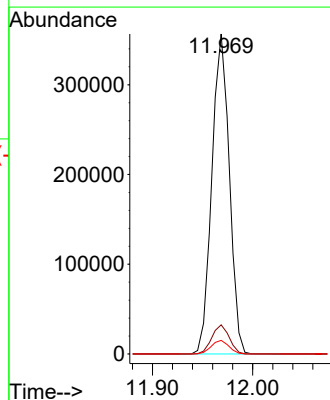
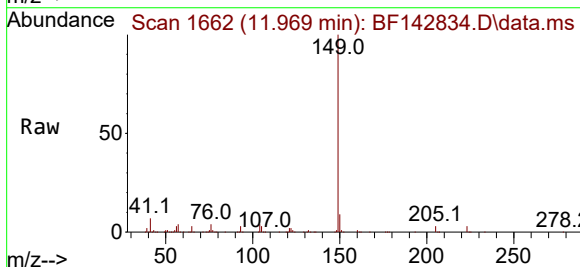


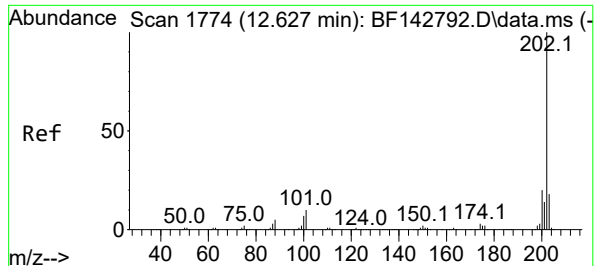
Tgt Ion:167 Resp: 353066
Ion Ratio Lower Upper
167 100
166 21.1 17.0 25.4
139 12.6 10.2 15.2



#74
Di-n-butylphthalate
Concen: 52.204 ng
RT: 11.969 min Scan# 1662
Delta R.T. 0.000 min
Lab File: BF142834.D
Acq: 25 Jun 2025 13:25

Tgt Ion:149 Resp: 430341
Ion Ratio Lower Upper
149 100
150 9.1 7.4 11.0
104 4.2 3.5 5.3

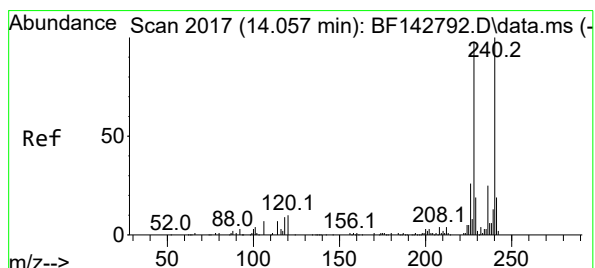
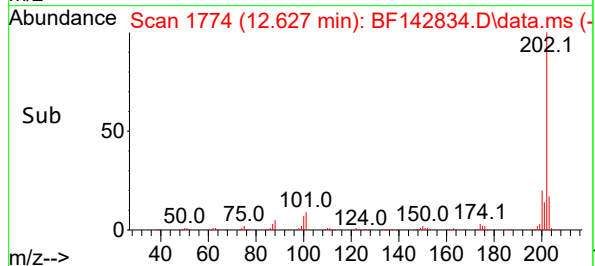
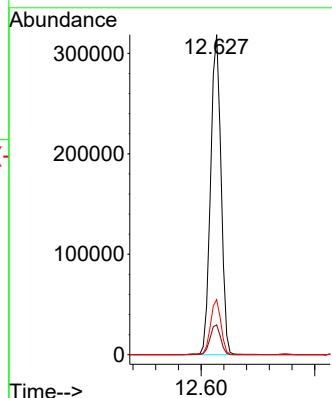
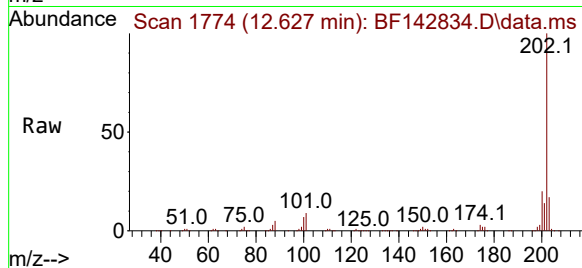




#75
Fluoranthene
Concen: 47.656 ng
RT: 12.627 min Scan# 1774
Delta R.T. 0.000 min
Lab File: BF142834.D
Acq: 25 Jun 2025 13:25

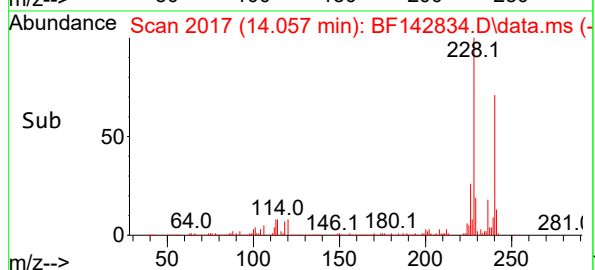
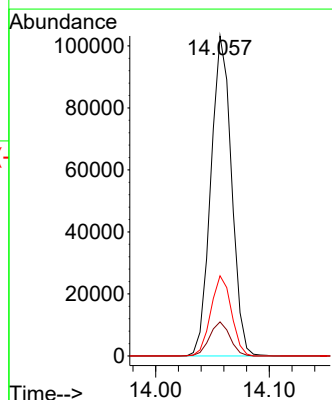
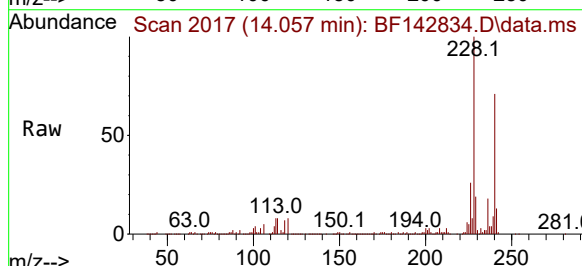
Instrument :
BNA_F
ClientSampleId :
SSTDCCC040

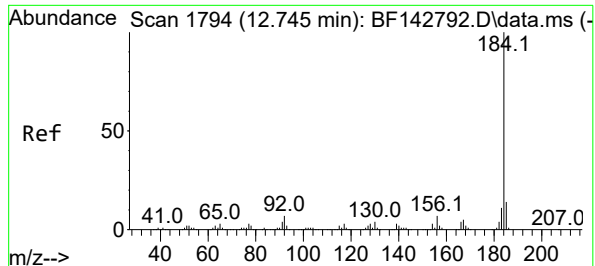
Tgt Ion:202 Resp: 404373
Ion Ratio Lower Upper
202 100
101 9.3 0.0 29.7
203 17.2 0.0 37.5



#76
Chrysene-d12
Concen: 20.000 ng
RT: 14.057 min Scan# 2017
Delta R.T. 0.000 min
Lab File: BF142834.D
Acq: 25 Jun 2025 13:25

Tgt Ion:240 Resp: 130450
Ion Ratio Lower Upper
240 100
120 10.6 8.2 12.2
236 25.1 19.8 29.8





#77

Benzidine

Concen: 33.751 ng

RT: 12.751 min Scan# 11

Delta R.T. 0.006 min

Lab File: BF142834.D

Acq: 25 Jun 2025 13:25

Instrument :

BNA_F

ClientSampleId :

SSTDCCC040

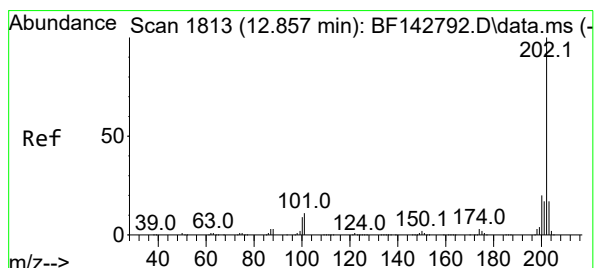
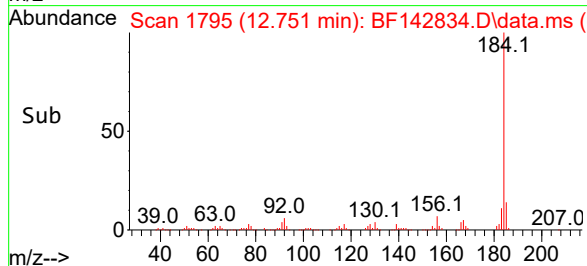
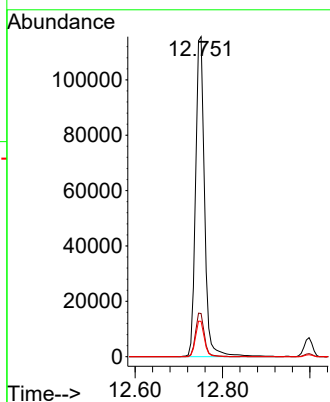
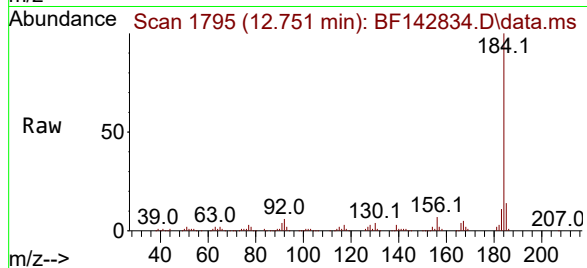
Tgt Ion:184 Resp: 165421

Ion Ratio Lower Upper

184 100

185 13.5 11.5 17.3

183 11.1 9.0 13.4



#78

Pyrene

Concen: 33.232 ng

RT: 12.857 min Scan# 1813

Delta R.T. 0.000 min

Lab File: BF142834.D

Acq: 25 Jun 2025 13:25

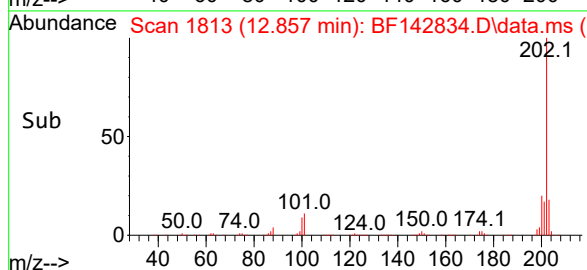
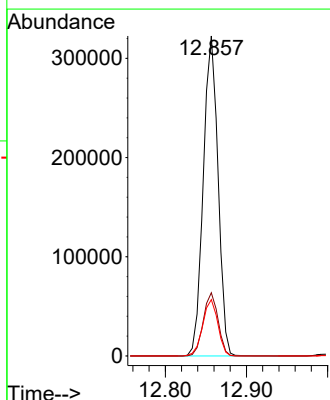
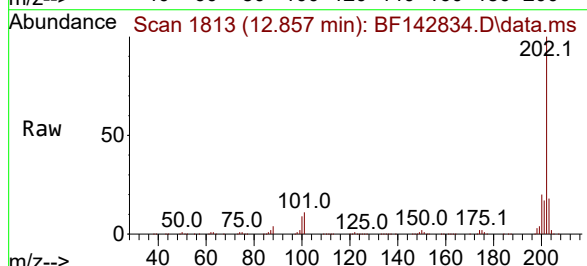
Tgt Ion:202 Resp: 406353

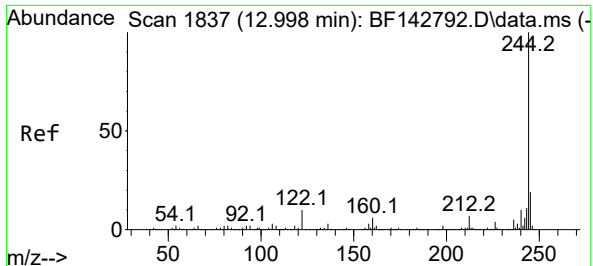
Ion Ratio Lower Upper

202 100

200 19.8 15.7 23.5

203 17.6 13.8 20.6





#79

Terphenyl-d14

Concen: 70.670 ng

RT: 12.998 min Scan# 1837

Delta R.T. -0.000 min

Lab File: BF142834.D

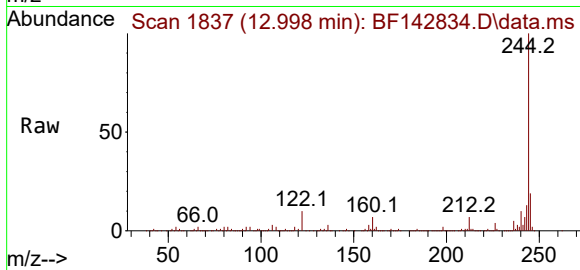
Acq: 25 Jun 2025 13:25

Instrument :

BNA_F

ClientSampleId :

SSTDCCC040



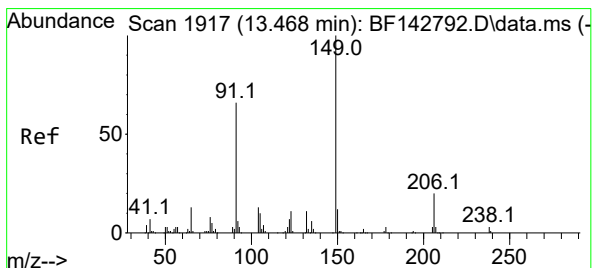
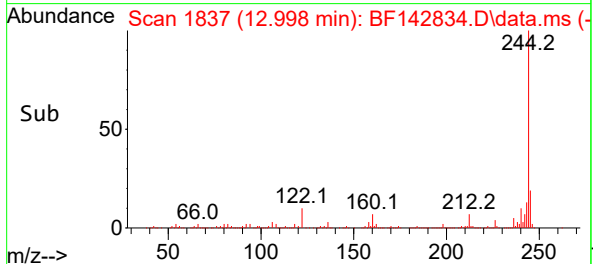
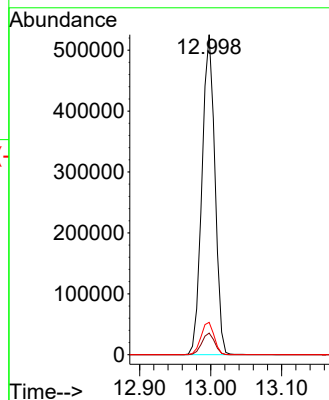
Tgt Ion:244 Resp: 667218

Ion Ratio Lower Upper

244 100

212 6.7 5.4 8.0

122 10.1 8.2 12.2



#80

Butylbenzylphthalate

Concen: 49.292 ng

RT: 13.468 min Scan# 1917

Delta R.T. 0.000 min

Lab File: BF142834.D

Acq: 25 Jun 2025 13:25

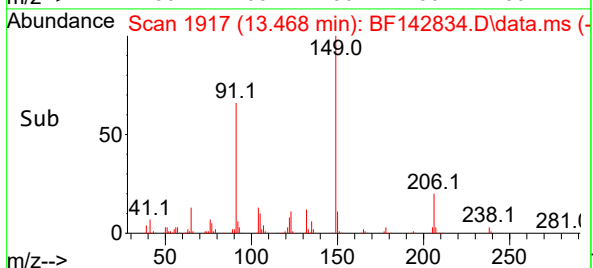
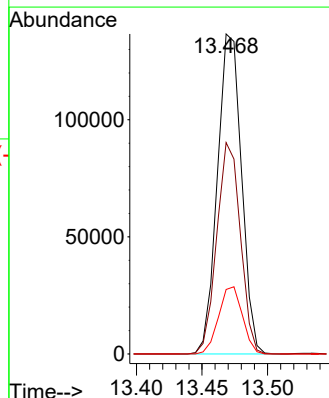
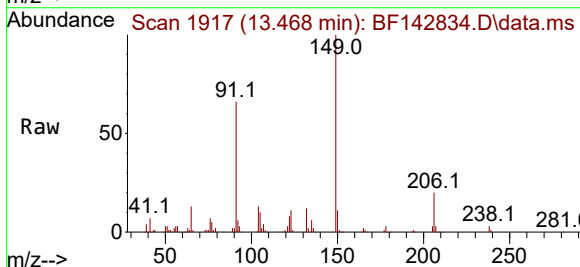
Tgt Ion:149 Resp: 174834

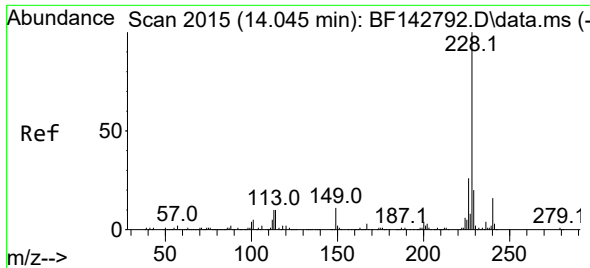
Ion Ratio Lower Upper

149 100

91 66.0 52.9 79.3

206 20.1 16.3 24.5

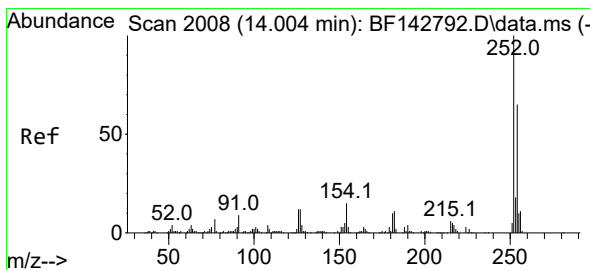
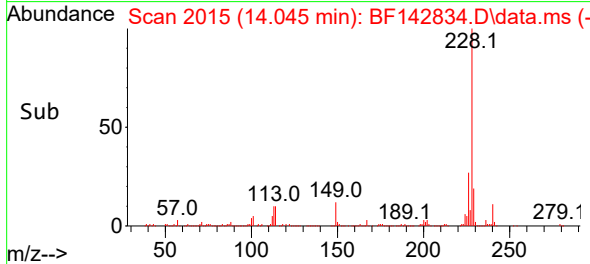
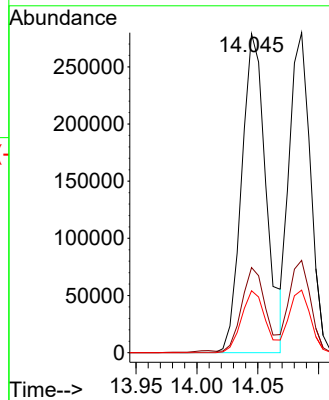
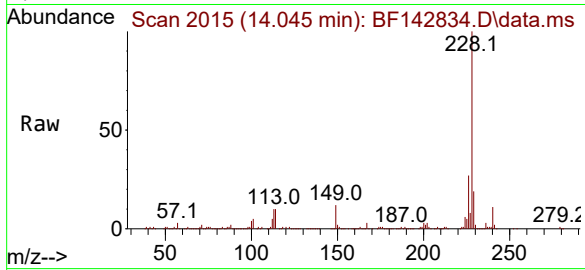




#81
Benzo(a)anthracene
Concen: 44.285 ng
RT: 14.045 min Scan# 2015
Delta R.T. 0.000 min
Lab File: BF142834.D
Acq: 25 Jun 2025 13:25

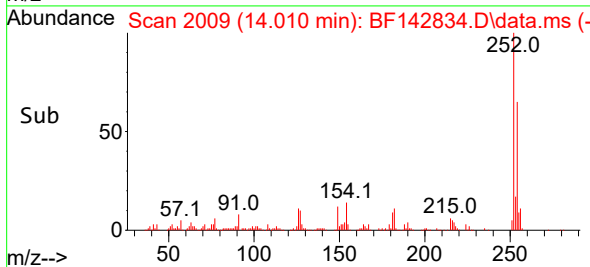
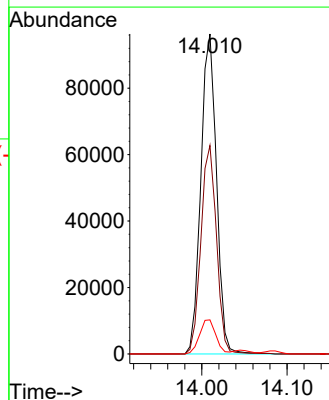
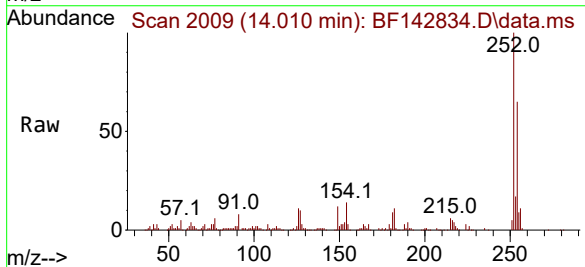
Instrument :
BNA_F
ClientSampleId :
SSTDCCC040

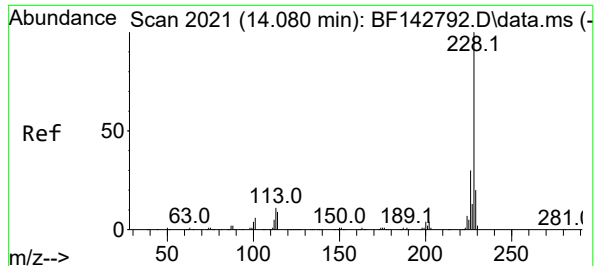
Tgt Ion:228 Resp: 389721
Ion Ratio Lower Upper
228 100
226 26.7 21.2 31.8
229 19.4 15.6 23.4



#82
3,3'-Dichlorobenzidine
Concen: 43.094 ng
RT: 14.010 min Scan# 2009
Delta R.T. 0.006 min
Lab File: BF142834.D
Acq: 25 Jun 2025 13:25

Tgt Ion:252 Resp: 123008
Ion Ratio Lower Upper
252 100
254 65.1 51.7 77.5
126 10.6 9.4 14.2





#83

Chrysene

Concen: 43.234 ng

RT: 14.086 min Scan# 2012

Delta R.T. 0.006 min

Lab File: BF142834.D

Acq: 25 Jun 2025 13:25

Instrument :

BNA_F

ClientSampleId :

SSTDCCC040

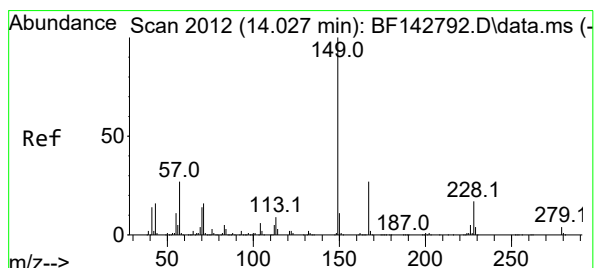
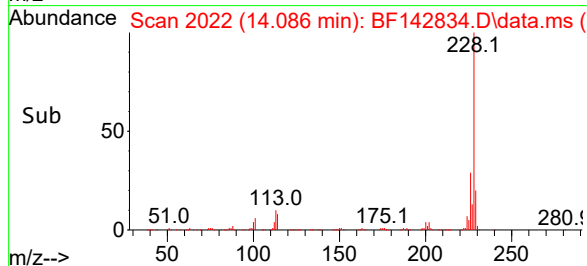
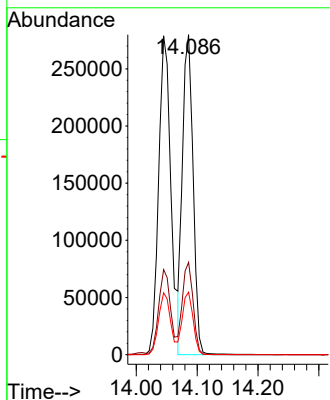
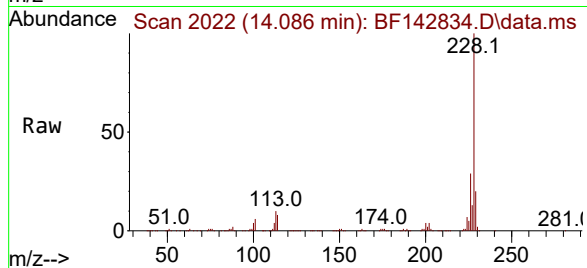
Tgt Ion:228 Resp: 339500

Ion Ratio Lower Upper

228 100

226 28.8 23.7 35.5

229 19.5 15.7 23.5



#84

Bis(2-ethylhexyl)phthalate

Concen: 51.937 ng

RT: 14.027 min Scan# 2012

Delta R.T. -0.000 min

Lab File: BF142834.D

Acq: 25 Jun 2025 13:25

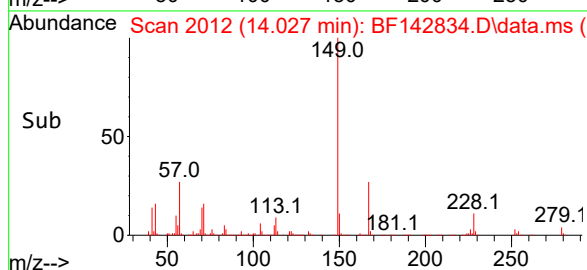
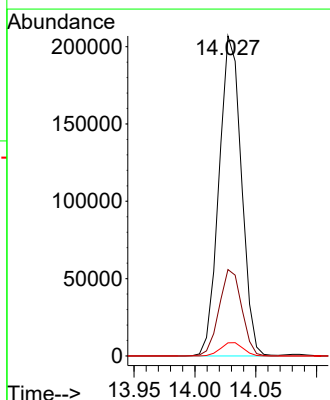
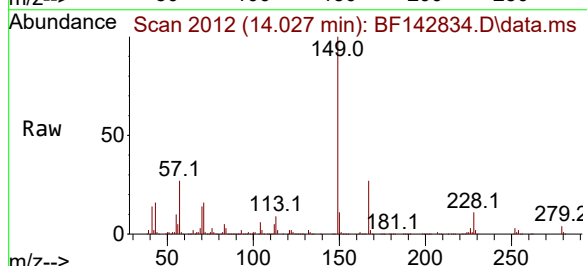
Tgt Ion:149 Resp: 265043

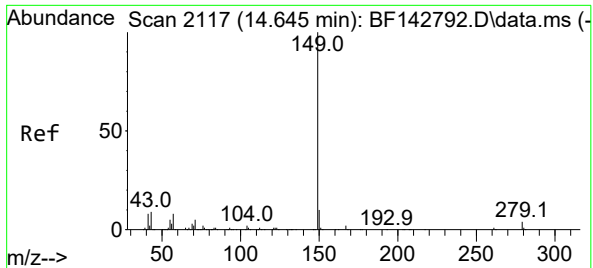
Ion Ratio Lower Upper

149 100

167 27.0 21.4 32.0

279 4.1 3.0 4.6

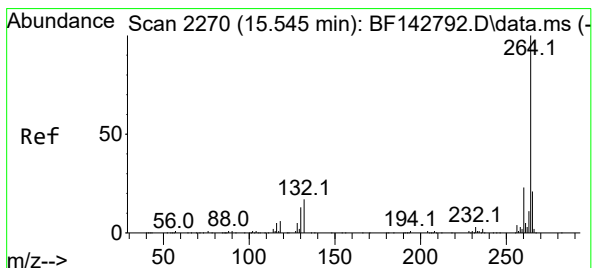
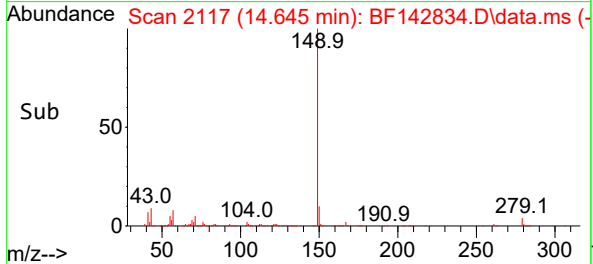
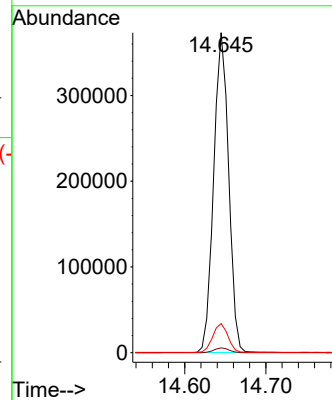
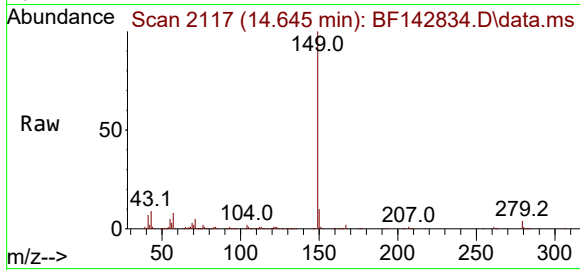




#85
Di-n-octyl phthalate
Concen: 49.504 ng
RT: 14.645 min Scan# 2117
Delta R.T. 0.000 min
Lab File: BF142834.D
Acq: 25 Jun 2025 13:25

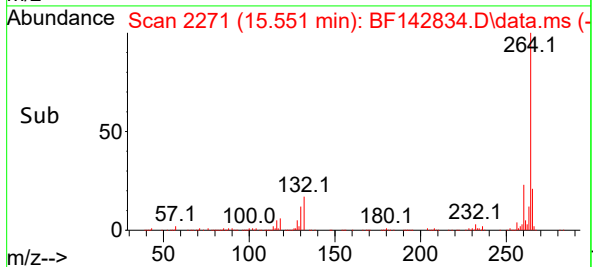
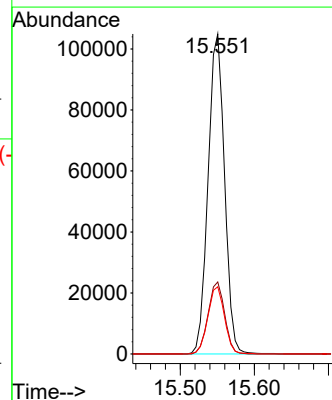
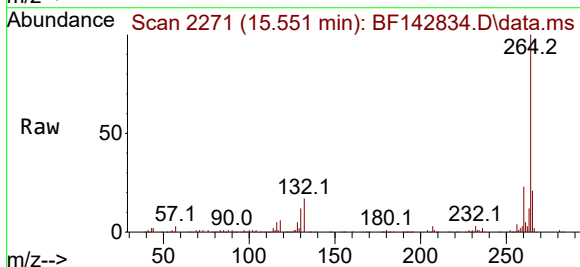
Instrument :
BNA_F
ClientSampleId :
SSTDCCC040

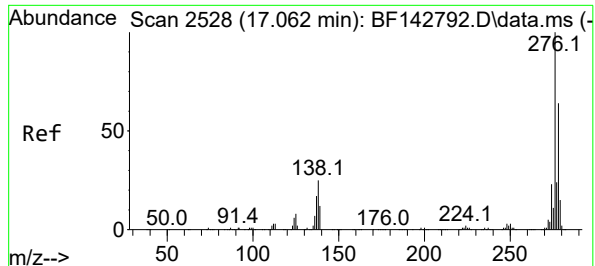
Tgt Ion	Ratio	Lower	Upper
149	100		
167	1.5	1.3	1.9
43	9.1	7.6	11.4



#86
Perylene-d12
Concen: 20.000 ng
RT: 15.551 min Scan# 2271
Delta R.T. 0.006 min
Lab File: BF142834.D
Acq: 25 Jun 2025 13:25

Tgt Ion	Ratio	Lower	Upper
264	100		
260	22.5	18.1	27.1
265	21.0	16.6	25.0





#87

Indeno(1,2,3-cd)pyrene

Concen: 40.260 ng

RT: 17.068 min Scan# 2196

Delta R.T. 0.006 min

Lab File: BF142834.D

Acq: 25 Jun 2025 13:25

Instrument :

BNA_F

ClientSampleId :

SSTDCCC040

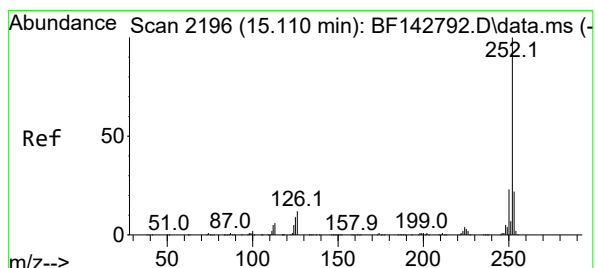
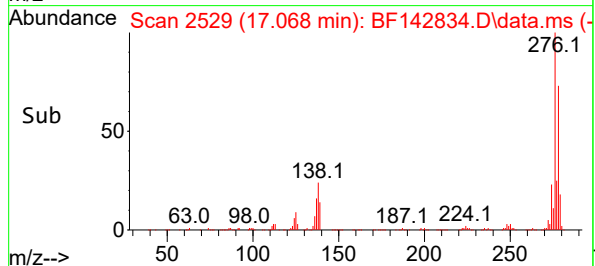
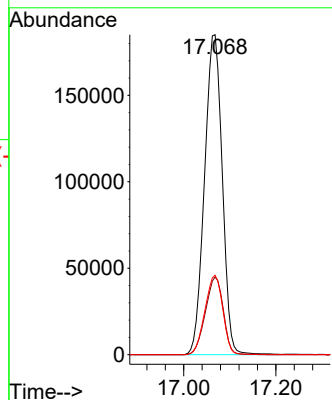
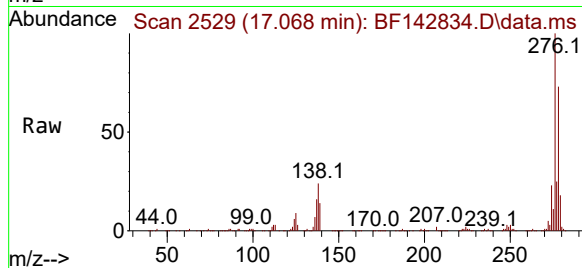
Tgt Ion:276 Resp: 496379

Ion Ratio Lower Upper

276 100

138 24.5 20.2 30.4

277 24.9 19.8 29.6



#88

Benzo(b)fluoranthene

Concen: 47.198 ng

RT: 15.109 min Scan# 2196

Delta R.T. -0.000 min

Lab File: BF142834.D

Acq: 25 Jun 2025 13:25

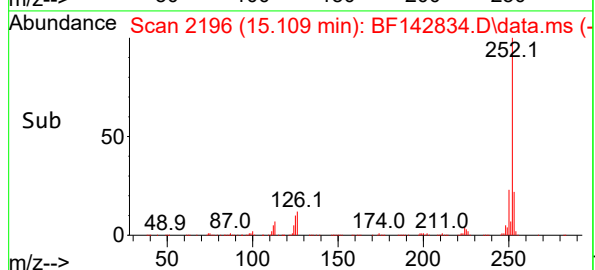
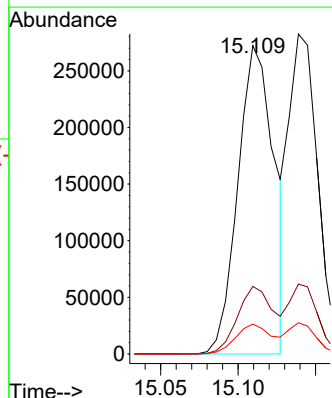
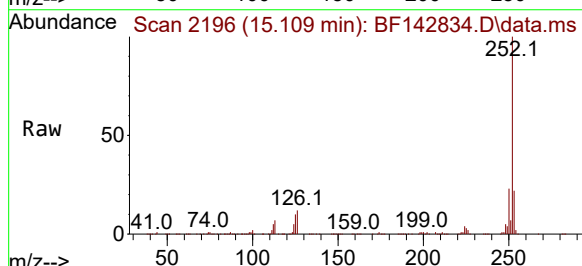
Tgt Ion:252 Resp: 442080

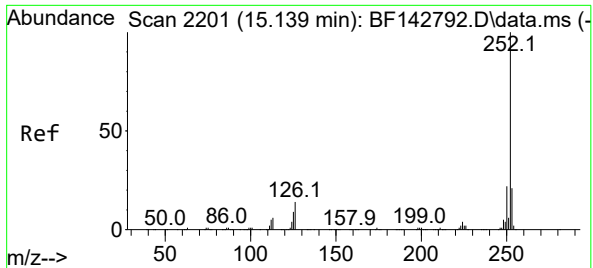
Ion Ratio Lower Upper

252 100

253 21.9 17.5 26.3

125 9.7 7.4 11.0





#89

Benzo(k)fluoranthene

Concen: 41.788 ng

RT: 15.139 min Scan# 2201

Delta R.T. 0.000 min

Lab File: BF142834.D

Acq: 25 Jun 2025 13:25

Instrument :

BNA_F

ClientSampleId :

SSTDCCC040

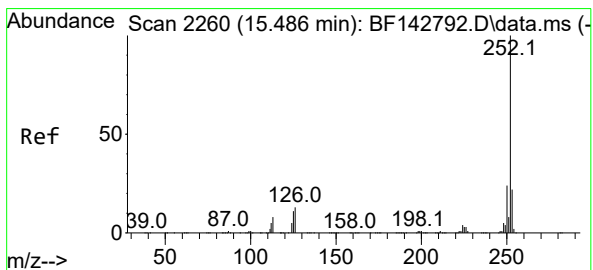
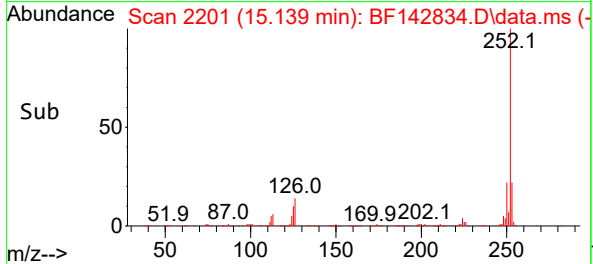
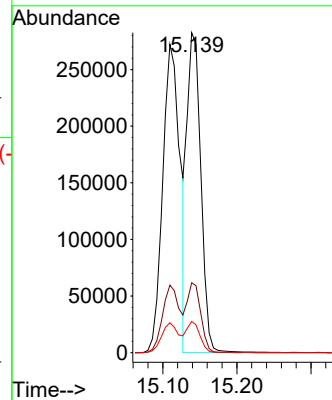
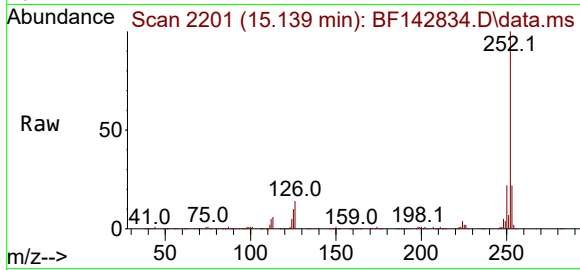
Tgt Ion:252 Resp: 366193

Ion Ratio Lower Upper

252 100

253 21.8 17.2 25.8

125 9.8 7.4 11.2



#90

Benzo(a)pyrene

Concen: 40.946 ng

RT: 15.486 min Scan# 2260

Delta R.T. 0.000 min

Lab File: BF142834.D

Acq: 25 Jun 2025 13:25

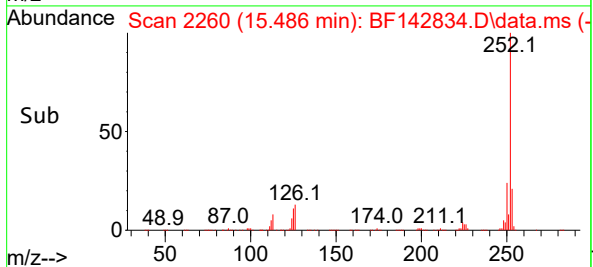
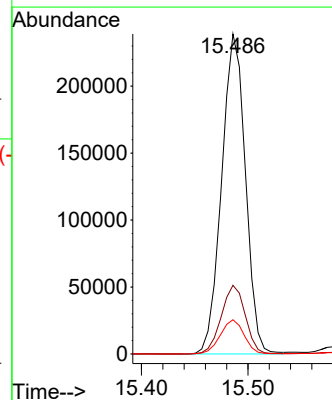
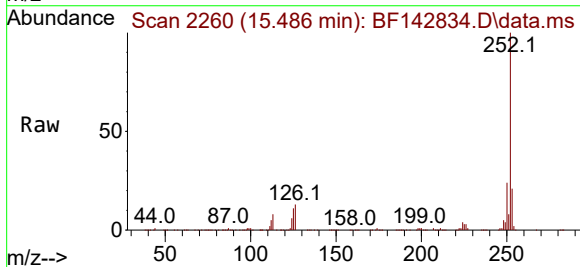
Tgt Ion:252 Resp: 370504

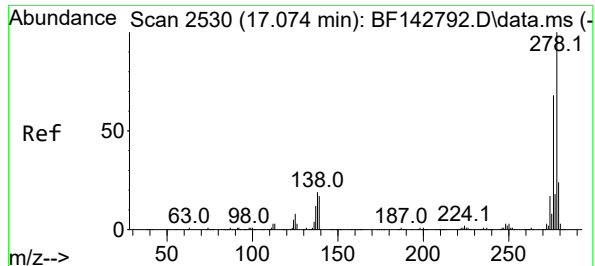
Ion Ratio Lower Upper

252 100

253 21.5 17.5 26.3

125 10.7 8.6 12.8





#91

Dibenzo(a,h)anthracene

Concen: 40.224 ng

RT: 17.080 min Scan# 2531

Delta R.T. 0.006 min

Lab File: BF142834.D

Acq: 25 Jun 2025 13:25

Instrument :

BNA_F

ClientSampleId :

SSTDCCC040

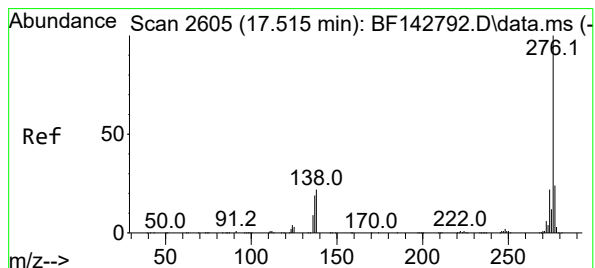
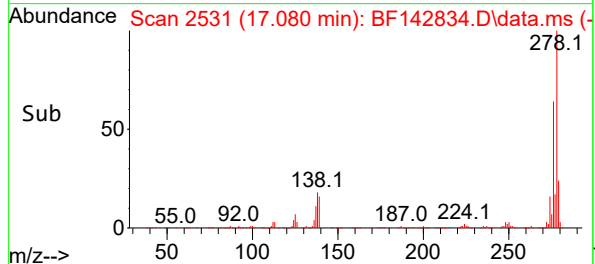
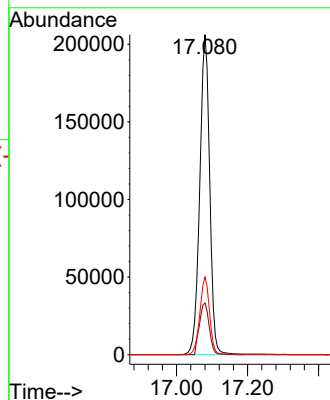
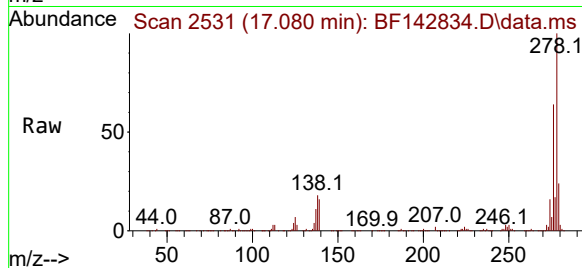
Tgt Ion:278 Resp: 402958

Ion Ratio Lower Upper

278 100

139 16.2 13.5 20.3

279 24.2 18.8 28.2



#92

Benzo(g,h,i)perylene

Concen: 41.282 ng

RT: 17.521 min Scan# 2606

Delta R.T. 0.006 min

Lab File: BF142834.D

Acq: 25 Jun 2025 13:25

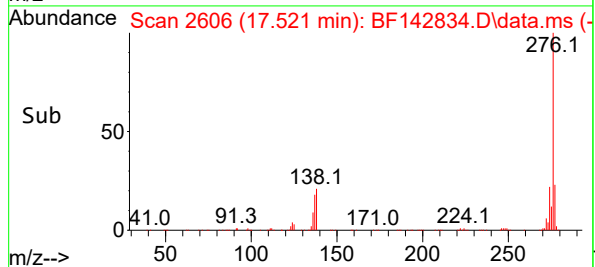
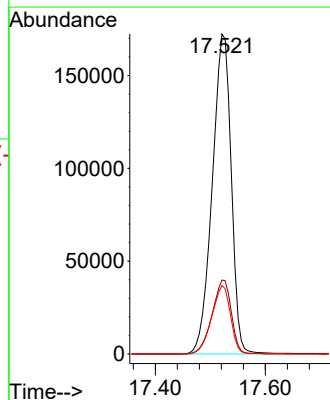
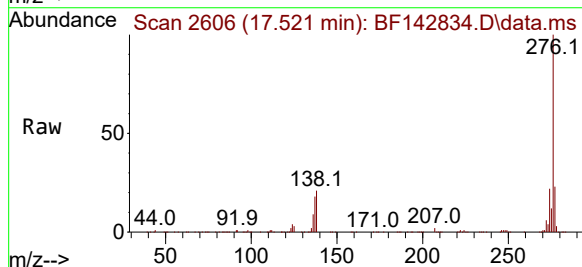
Tgt Ion:276 Resp: 412382

Ion Ratio Lower Upper

276 100

277 23.1 18.8 28.2

138 21.4 17.6 26.4



Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF062525\
 Data File : BF142834.D
 Acq On : 25 Jun 2025 13:25
 Operator : RC/JU
 Sample : SSTDCCC040
 Misc :
 ALS Vial : 2 Sample Multiplier: 1

Instrument :
 BNA_F
 LabSampleId :
 SSTDCCC040

Quant Time: Jun 25 14:10:21 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	75	0.00
2	1,4-Dioxane	0.480	0.501	-4.4	81	-0.02
3	Pyridine	1.205	1.244	-3.2	80	-0.02
4	n-Nitrosodimethylamine	0.623	0.648	-4.0	81	-0.02
5 S	2-Fluorophenol	1.201	1.310	-9.1	85	0.00
6	Aniline	1.886	1.455	22.9	60	0.00
7 S	Phenol-d6	1.417	1.498	-5.7	84	0.00
8	2-Chlorophenol	1.296	1.378	-6.3	83	0.00
9	Benzaldehyde	0.841	1.601	-90.4#	158#	0.00
10 C	Phenol	1.575	1.609	-2.2	79	0.00
11	bis(2-Chloroethyl)ether	1.126	1.187	-5.4	83	0.00
12	1,3-Dichlorobenzene	1.449	1.534	-5.9	83	0.00
13 C	1,4-Dichlorobenzene	1.462	1.532	-4.8	81	0.00
14	1,2-Dichlorobenzene	1.387	1.433	-3.3	81	0.00
15	Benzyl Alcohol	1.025	1.063	-3.7	82	0.00
16	2,2'-oxybis(1-Chloropropane	1.809	1.824	-0.8	79	0.00
17	2-Methylphenol	0.982	0.980	0.2	78	0.00
18	Hexachloroethane	0.511	0.536	-4.9	80	0.00
19 P	n-Nitroso-di-n-propylamine	0.824	0.810	1.7	77	0.00
20	3+4-Methylphenols	1.224	1.248	-2.0	79	0.00
21 I	Naphthalene-d8	1.000	1.000	0.0	69	0.00
22	Acetophenone	0.441	0.485	-10.0	80	0.00
23 S	Nitrobenzene-d5	0.365	0.429	-17.5	84	0.00
24	Nitrobenzene	0.330	0.360	-9.1	78	0.00
25	Isophorone	0.585	0.564	3.6	70	0.00
26 C	2-Nitrophenol	0.180	0.204	-13.3	79	0.00
27	2,4-Dimethylphenol	0.311	0.255	18.0	59	0.00
28	bis(2-Chloroethoxy)methane	0.372	0.395	-6.2	77	0.00
29 C	2,4-Dichlorophenol	0.282	0.314	-11.3	80	0.00
30	1,2,4-Trichlorobenzene	0.310	0.344	-11.0	80	0.00
31	Naphthalene	0.979	1.102	-12.6	82	0.00
32	Benzoic acid	0.159	0.196	-23.3	87	0.00
33	4-Chloroaniline	0.398	0.363	8.8	66	0.00
34 C	Hexachlorobutadiene	0.190	0.213	-12.1	80	0.00
35	Caprolactam	0.075	0.076	-1.3	74	0.00
36 C	4-Chloro-3-methylphenol	0.281	0.297	-5.7	77	0.00
37	2-Methylnaphthalene	0.607	0.706	-16.3	84	0.00
38	1-Methylnaphthalene	0.628	0.693	-10.4	80	0.00
39 I	Acenaphthene-d10	1.000	1.000	0.0	65	0.00
40	1,2,4,5-Tetrachlorobenzene	0.590	0.700	-18.6	82	0.00
41 P	Hexachlorocyclopentadiene	0.335	0.399	-19.1	77	0.00
42 S	2,4,6-Tribromophenol	0.206	0.217	-5.3	70	0.00
43 C	2,4,6-Trichlorophenol	0.385	0.433	-12.5	77	0.00
44	2,4,5-Trichlorophenol	0.405	0.455	-12.3	76	0.00
45 S	2-Fluorobiphenyl	1.522	1.796	-18.0	82	0.00
46	1,1'-Biphenyl	1.580	1.785	-13.0	77	0.00
47	2-Chloronaphthalene	1.186	1.311	-10.5	76	0.00

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF062525\
 Data File : BF142834.D
 Acq On : 25 Jun 2025 13:25
 Operator : RC/JU
 Sample : SSTDCCC040
 Misc :
 ALS Vial : 2 Sample Multiplier: 1

Instrument :
 BNA_F
 LabSampleId :
 SSTDCCC040

Quant Time: Jun 25 14:10:21 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	0.349	-5.1	70	0.00
49	Acenaphthylene	1.952	2.014	-3.2	70	0.00
50	Dimethylphthalate	1.295	1.402	-8.3	74	0.00
51	2,6-Dinitrotoluene	0.284	0.309	-8.8	72	0.00
52 C	Acenaphthene	1.191	1.337	-12.3	76	0.00
53	3-Nitroaniline	0.313	0.321	-2.6	69	0.00
54 P	2,4-Dinitrophenol	0.142	0.160	-12.7	73	0.00
55	Dibenzofuran	1.708	1.910	-11.8	76	0.00
56 P	4-Nitrophenol	0.214	0.227	-6.1	71	0.00
57	2,4-Dinitrotoluene	0.378	0.393	-4.0	70	0.00
58	Fluorene	1.334	1.434	-7.5	74	0.00
59	2,3,4,6-Tetrachlorophenol	0.326	0.363	-11.3	76	0.00
60	Diethylphthalate	1.269	1.419	-11.8	76	0.00
61	4-Chlorophenyl-phenylether	0.636	0.688	-8.2	75	0.00
62	4-Nitroaniline	0.286	0.307	-7.3	73	0.00
63	Azobenzene	1.134	1.231	-8.6	74	0.00
64 I	Phenanthrene-d10	1.000	1.000	0.0	63	0.00
65	4,6-Dinitro-2-methylphenol	0.121	0.133	-9.9	70	0.00
66 c	n-Nitrosodiphenylamine	0.693	0.758	-9.4	71	0.00
67	4-Bromophenyl-phenylether	0.228	0.259	-13.6	74	0.00
68	Hexachlorobenzene	0.253	0.277	-9.5	72	0.00
69	Atrazine	0.179	0.201	-12.3	73	0.00
70 C	Pentachlorophenol	0.126	0.150	-19.0	75	0.00
71	Phenanthrene	1.083	1.190	-9.9	72	0.00
72	Anthracene	1.111	1.171	-5.4	69	0.00
73	Carbazole	0.959	1.070	-11.6	75	0.00
74	Di-n-butylphthalate	0.999	1.304	-30.5#	86	0.00
75 C	Fluoranthene	1.028	1.225	-19.2	80	0.00
76 I	Chrysene-d12	1.000	1.000	0.0	92	0.00
77	Benzidine	0.751	0.634	15.6	75	0.00
78	Pyrene	1.875	1.558	16.9	82	0.00
79 S	Terphenyl-d14	1.447	1.279	11.6	88	0.00
80	Butylbenzylphthalate	0.544	0.670	-23.2	112	0.00
81	Benzo(a)anthracene	1.349	1.494	-10.7	108	0.00
82	3,3'-Dichlorobenzidine	0.438	0.471	-7.5	101	0.00
83	Chrysene	1.204	1.301	-8.1	102	0.00
84	Bis(2-ethylhexyl)phthalate	0.782	1.016	-29.9#	116	0.00
85 c	Di-n-octyl phthalate	1.475	1.826	-23.8#	114	0.00
86 I	Perylene-d12	1.000	1.000	0.0	95	0.00
87	Indeno(1,2,3-cd)pyrene	1.523	1.533	-0.7	99	0.00
88	Benzo(b)fluoranthene	1.157	1.366	-18.1	121	0.00
89	Benzo(k)fluoranthene	1.083	1.131	-4.4	104	0.00
90 C	Benzo(a)pyrene	1.118	1.144	-2.3	102	0.00
91	Dibenzo(a,h)anthracene	1.238	1.245	-0.6	100	0.00
92	Benzo(g,h,i)perylene	1.234	1.274	-3.2	102	0.00

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF062525\
Data File : BF142834.D
Acq On : 25 Jun 2025 13:25
Operator : RC/JU
Sample : SSTDCCC040
Misc :
ALS Vial : 2 Sample Multiplier: 1

Instrument :
BNA_F
LabSampleId :
SSTDCCC040

Quant Time: Jun 25 14:10:21 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 = 1

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF062525\
 Data File : BF142834.D
 Acq On : 25 Jun 2025 13:25
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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	75	0.00
2	1,4-Dioxane	40.000	41.682	-4.2	81	-0.02
3	Pyridine	40.000	41.299	-3.2	80	-0.02
4	n-Nitrosodimethylamine	40.000	41.588	-4.0	81	-0.02
5 S	2-Fluorophenol	80.000	87.268	-9.1	85	0.00
6	Aniline	40.000	30.853	22.9	60	0.00
7 S	Phenol-d6	80.000	84.579	-5.7	84	0.00
8	2-Chlorophenol	40.000	42.535	-6.3	83	0.00
9	Benzaldehyde	40.000	76.157	-90.4#	158	0.00
10 C	Phenol	40.000	40.861	-2.2	79	0.00
11	bis(2-Chloroethyl)ether	40.000	42.163	-5.4	83	0.00
12	1,3-Dichlorobenzene	40.000	42.346	-5.9	83	0.00
13 C	1,4-Dichlorobenzene	40.000	41.902	-4.8	81	0.00
14	1,2-Dichlorobenzene	40.000	41.338	-3.3	81	0.00
15	Benzyl Alcohol	40.000	41.513	-3.8	82	0.00
16	2,2'-oxybis(1-Chloropropane	40.000	40.342	-0.9	79	0.00
17	2-Methylphenol	40.000	39.900	0.3	78	0.00
18	Hexachloroethane	40.000	41.888	-4.7	80	0.00
19 P	n-Nitroso-di-n-propylamine	40.000	39.316	1.7	77	0.00
20	3+4-Methylphenols	40.000	40.784	-2.0	79	0.00
21 I	Naphthalene-d8	20.000	20.000	0.0	69	0.00
22	Acetophenone	40.000	43.958	-9.9	80	0.00
23 S	Nitrobenzene-d5	80.000	94.152	-17.7	84	0.00
24	Nitrobenzene	40.000	43.639	-9.1	78	0.00
25	Isophorone	40.000	38.568	3.6	70	0.00
26 C	2-Nitrophenol	40.000	45.422	-13.6	79	0.00
27	2,4-Dimethylphenol	40.000	32.712	18.2	59	0.00
28	bis(2-Chloroethoxy)methane	40.000	42.437	-6.1	77	0.00
29 C	2,4-Dichlorophenol	40.000	44.470	-11.2	80	0.00
30	1,2,4-Trichlorobenzene	40.000	44.376	-10.9	80	0.00
31	Naphthalene	40.000	45.044	-12.6	82	0.00
32	Benzoic acid	40.000	49.345	-23.4	87	0.00
33	4-Chloroaniline	40.000	36.468	8.8	66	0.00
34 C	Hexachlorobutadiene	40.000	44.953	-12.4	80	0.00
35	Caprolactam	40.000	40.950	-2.4	74	0.00
36 C	4-Chloro-3-methylphenol	40.000	42.309	-5.8	77	0.00
37	2-Methylnaphthalene	40.000	46.536	-16.3	84	0.00
38	1-Methylnaphthalene	40.000	44.105	-10.3	80	0.00
39 I	Acenaphthene-d10	20.000	20.000	0.0	65	0.00
40	1,2,4,5-Tetrachlorobenzene	40.000	47.441	-18.6	82	0.00
41 P	Hexachlorocyclopentadiene	40.000	47.699	-19.2	77	0.00
42 S	2,4,6-Tribromophenol	80.000	84.173	-5.2	70	0.00
43 C	2,4,6-Trichlorophenol	40.000	44.992	-12.5	77	0.00
44	2,4,5-Trichlorophenol	40.000	44.977	-12.4	76	0.00
45 S	2-Fluorobiphenyl	80.000	94.396	-18.0	82	0.00
46	1,1'-Biphenyl	40.000	45.199	-13.0	77	0.00
47	2-Chloronaphthalene	40.000	44.220	-10.5	76	0.00

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF062525\
 Data File : BF142834.D
 Acq On : 25 Jun 2025 13:25
 Operator : RC/JU
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 Misc :
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Instrument :
 BNA_F
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Quant Time: Jun 25 14:10:21 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	42.049	-5.1	70	0.00
49	Acenaphthylene	40.000	41.275	-3.2	70	0.00
50	Dimethylphthalate	40.000	43.304	-8.3	74	0.00
51	2,6-Dinitrotoluene	40.000	43.414	-8.5	72	0.00
52 C	Acenaphthene	40.000	44.920	-12.3	76	0.00
53	3-Nitroaniline	40.000	40.967	-2.4	69	0.00
54 P	2,4-Dinitrophenol	40.000	44.832	-12.1	73	0.00
55	Dibenzofuran	40.000	44.746	-11.9	76	0.00
56 P	4-Nitrophenol	40.000	42.364	-5.9	71	0.00
57	2,4-Dinitrotoluene	40.000	41.648	-4.1	70	0.00
58	Fluorene	40.000	42.997	-7.5	74	0.00
59	2,3,4,6-Tetrachlorophenol	40.000	44.458	-11.1	76	0.00
60	Diethylphthalate	40.000	44.703	-11.8	76	0.00
61	4-Chlorophenyl-phenylether	40.000	43.262	-8.2	75	0.00
62	4-Nitroaniline	40.000	42.905	-7.3	73	0.00
63	Azobenzene	40.000	43.395	-8.5	74	0.00
64 I	Phenanthrene-d10	20.000	20.000	0.0	63	0.00
65	4,6-Dinitro-2-methylphenol	40.000	44.100	-10.3	70	0.00
66 c	n-Nitrosodiphenylamine	40.000	43.770	-9.4	71	0.00
67	4-Bromophenyl-phenylether	40.000	45.479	-13.7	74	0.00
68	Hexachlorobenzene	40.000	43.810	-9.5	72	0.00
69	Atrazine	40.000	44.922	-12.3	73	0.00
70 C	Pentachlorophenol	40.000	47.555	-18.9	75	0.00
71	Phenanthrene	40.000	43.939	-9.8	72	0.00
72	Anthracene	40.000	42.146	-5.4	69	0.00
73	Carbazole	40.000	44.618	-11.5	75	0.00
74	Di-n-butylphthalate	40.000	52.204	-30.5#	86	0.00
75 C	Fluoranthene	40.000	47.656	-19.1	80	0.00
76 I	Chrysene-d12	20.000	20.000	0.0	92	0.00
77	Benzidine	40.000	33.751	15.6	75	0.00
78	Pyrene	40.000	33.232	16.9	82	0.00
79 S	Terphenyl-d14	80.000	70.670	11.7	88	0.00
80	Butylbenzylphthalate	40.000	49.292	-23.2	112	0.00
81	Benzo(a)anthracene	40.000	44.285	-10.7	108	0.00
82	3,3'-Dichlorobenzidine	40.000	43.094	-7.7	101	0.00
83	Chrysene	40.000	43.234	-8.1	102	0.00
84	Bis(2-ethylhexyl)phthalate	40.000	51.937	-29.8#	116	0.00
85 c	Di-n-octyl phthalate	40.000	49.504	-23.8#	114	0.00
86 I	Perylene-d12	20.000	20.000	0.0	95	0.00
87	Indeno(1,2,3-cd)pyrene	40.000	40.260	-0.6	99	0.00
88	Benzo(b)fluoranthene	40.000	47.198	-18.0	121	0.00
89	Benzo(k)fluoranthene	40.000	41.788	-4.5	104	0.00
90 C	Benzo(a)pyrene	40.000	40.946	-2.4	102	0.00
91	Dibenzo(a,h)anthracene	40.000	40.224	-0.6	100	0.00
92	Benzo(g,h,i)perylene	40.000	41.282	-3.2	102	0.00

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF062525\
Data File : BF142834.D
Acq On : 25 Jun 2025 13:25
Operator : RC/JU
Sample : SSTDCCC040
Misc :
ALS Vial : 2 Sample Multiplier: 1

Instrument :
BNA_F
LabSampleId :
SSTDCCC040

Quant Time: Jun 25 14:10:21 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 = 1



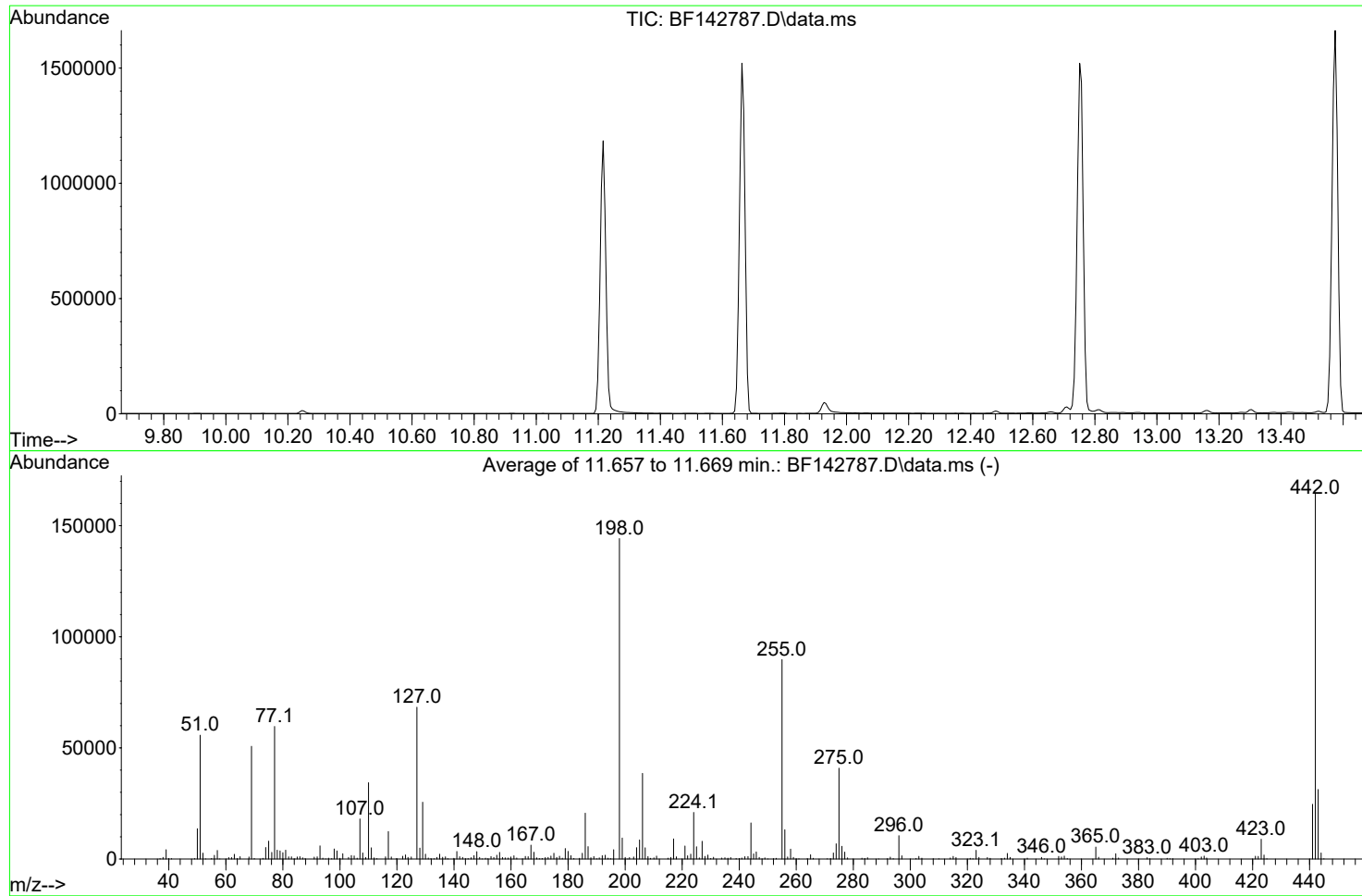
QC SAMPLE DATA

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 Mass	Rel. to Mass	Lower Limit%	Upper Limit%	Rel. Abn%	Raw Abn	Result 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

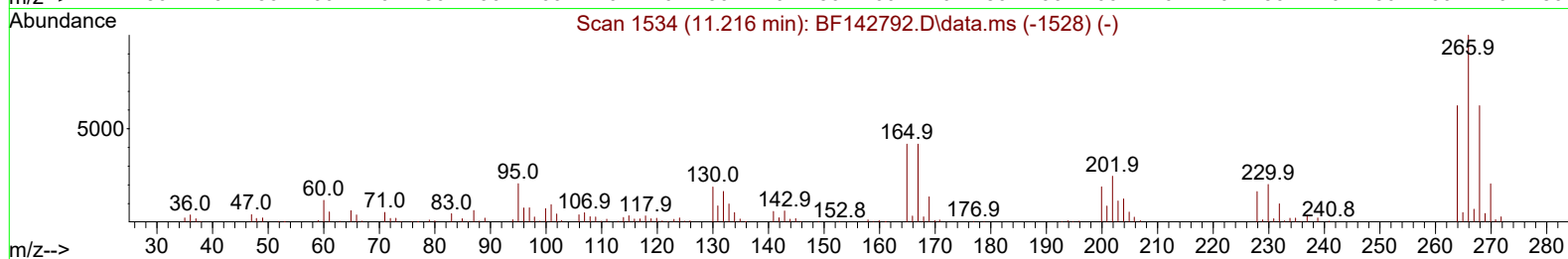
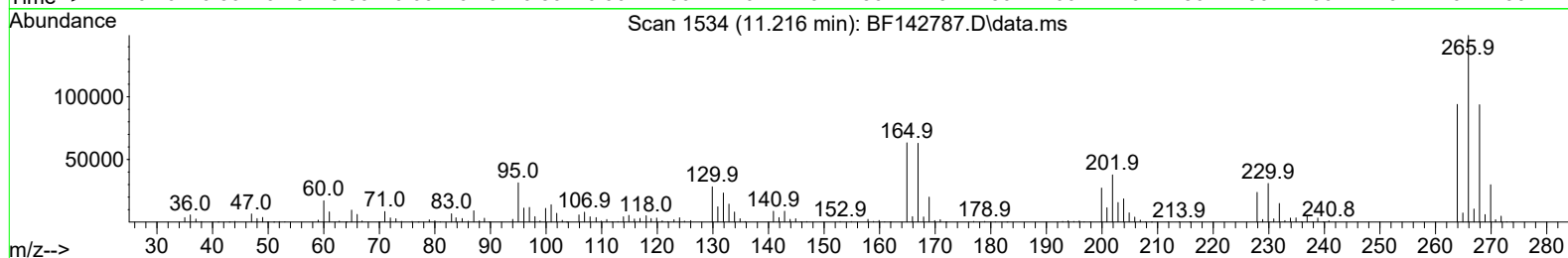
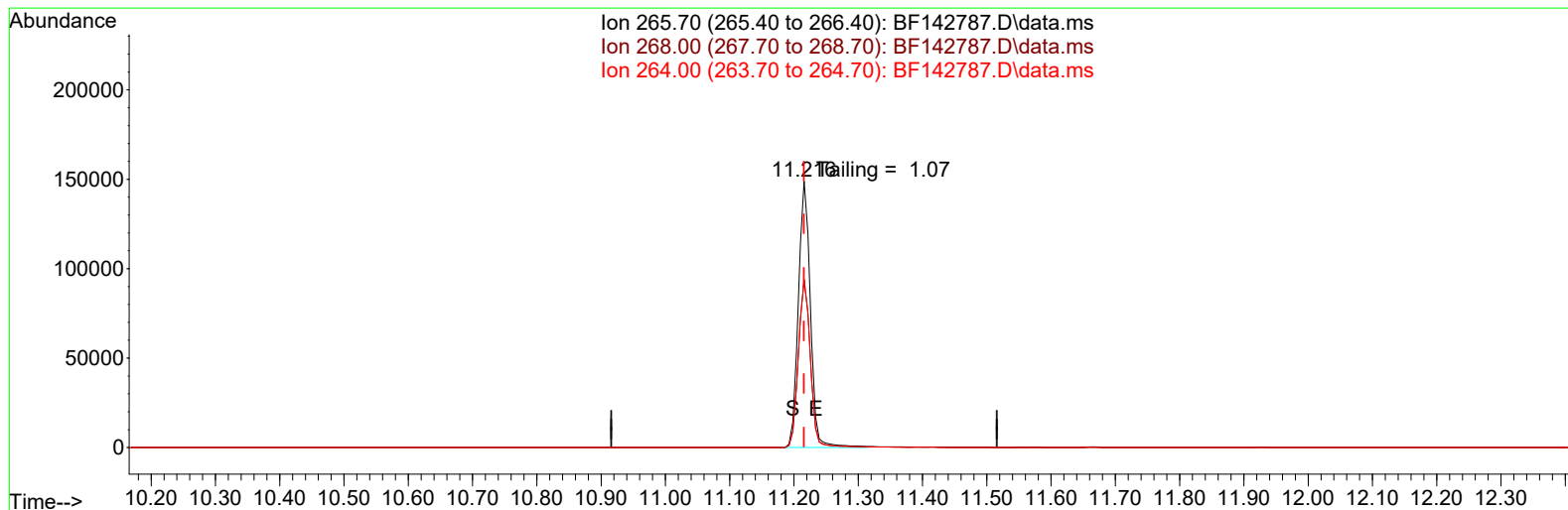
Date	Instrument Name	DFTPP Data File
6/19/2025	BNA_F	<u>BF142787.D</u>
Compound Name	Response	Retention Time
DDT	429715	13.574
DDD	7712	13.304
DDE	717	12.939
SUM(DDD+DDE)	SUM(DDT+DDD+DDE)	% Breakdown Of DDT
8429	438144	1.92

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

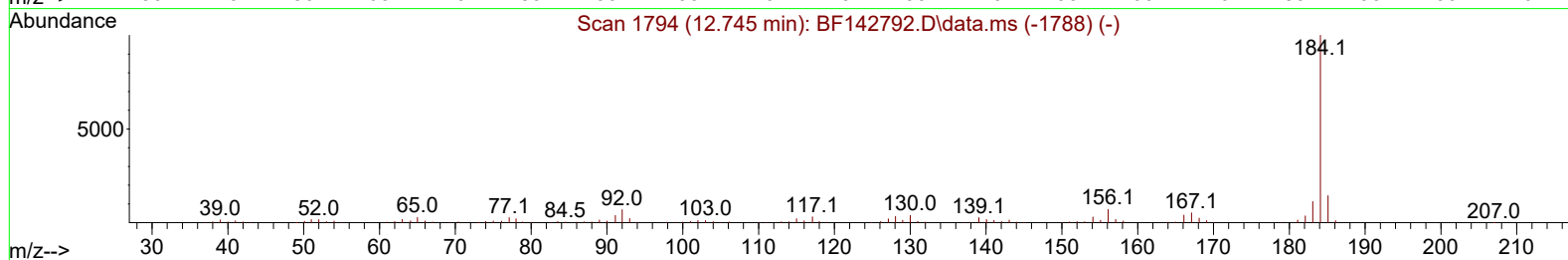
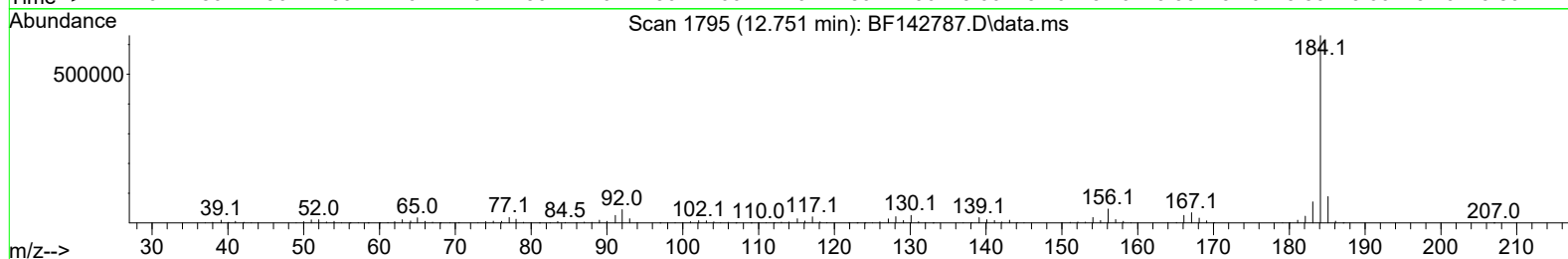
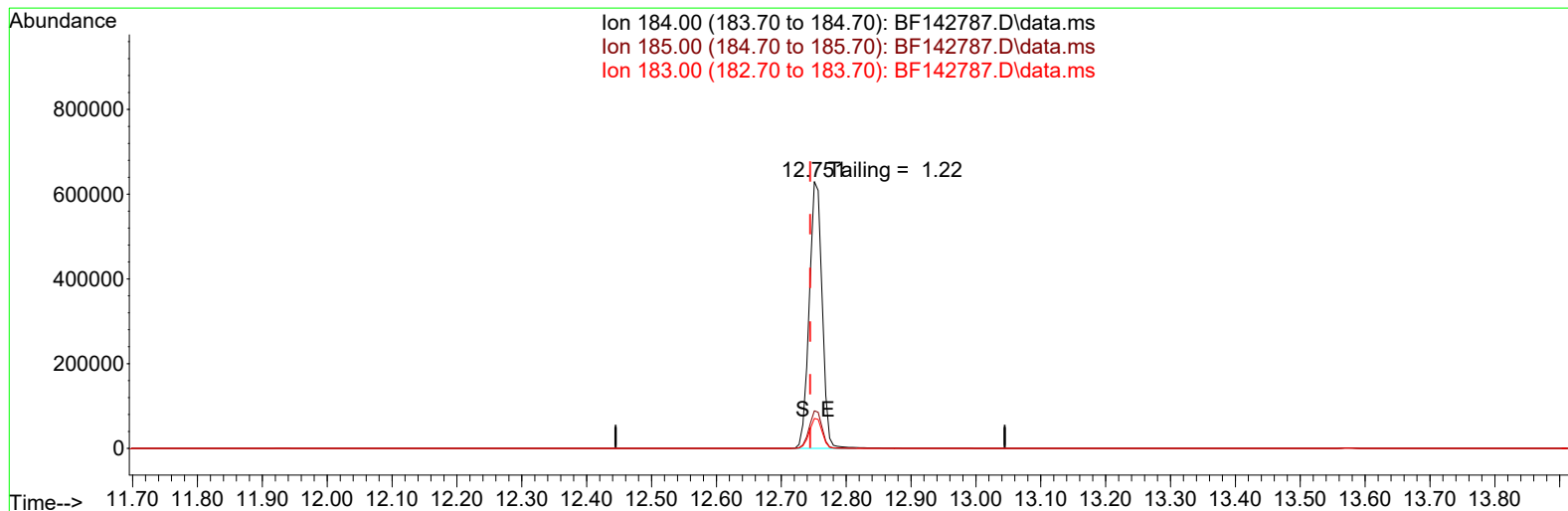
response 195787

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

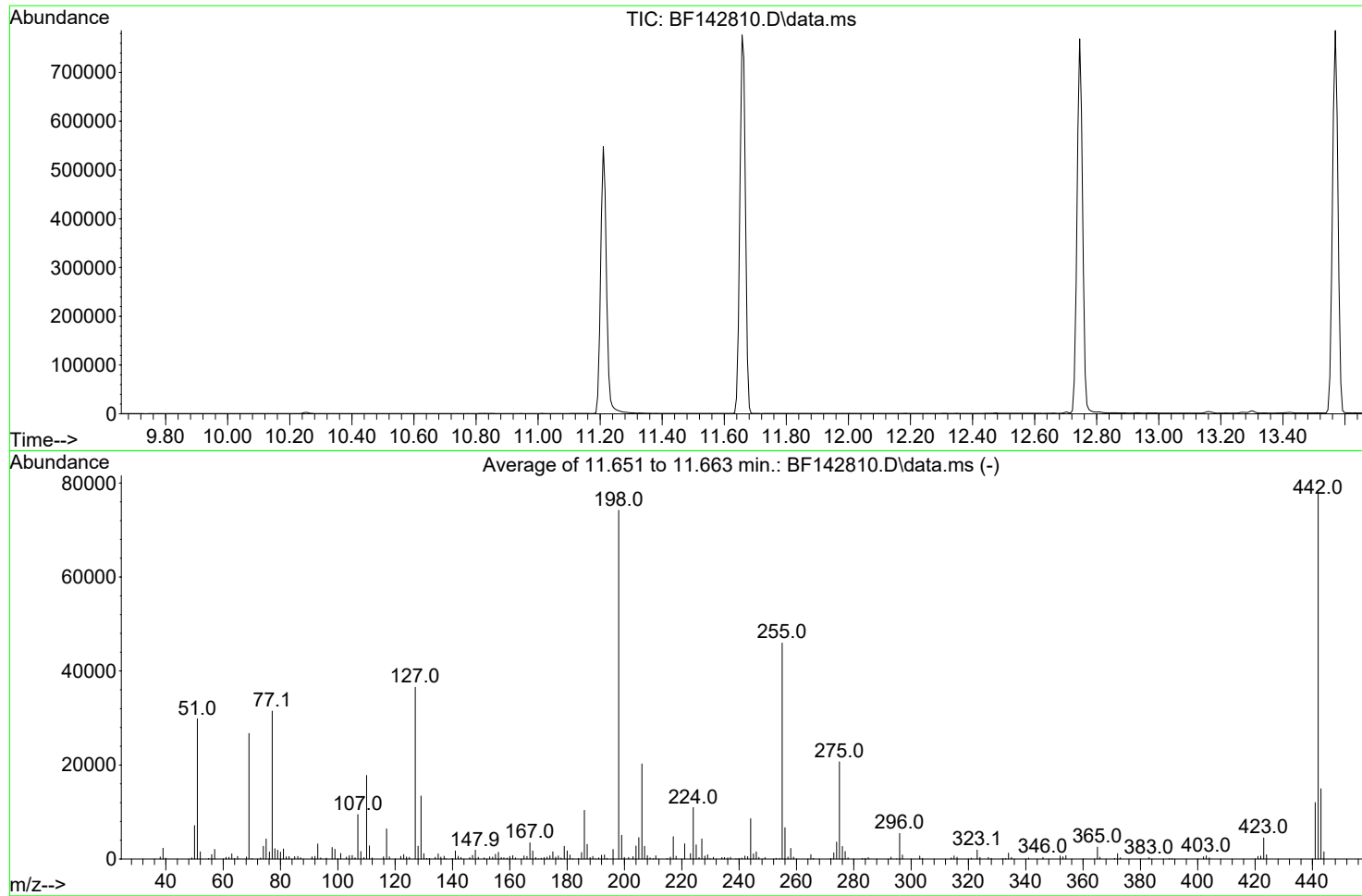
Ion	Exp%	Act%
184.00	100.00	100.00
185.00	14.40	14.11
183.00	11.20	11.25
0.00	0.00	0.00

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF062425\
Data File : BF142810.D
Acq On : 24 Jun 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 1602

Target Mass	Rel. to Mass	Lower Limit%	Upper Limit%	Rel. Abn%	Raw Abn	Result Pass/Fail
68	69	0.00	2	1.7	459	PASS
69	69	100	100	100.0	26725	PASS
70	69	0.00	2	0.4	109	PASS
197	198	0.00	2	0.0	0	PASS
198	198	100	100	100.0	74195	PASS
199	198	5	9	6.8	5079	PASS
365	198	1	100	3.5	2567	PASS
441	443	0.01	150	80.4	12014	PASS
442	442	100	100	100.0	77685	PASS
443	442	15	24	19.2	14940	PASS

DDT Breakdown

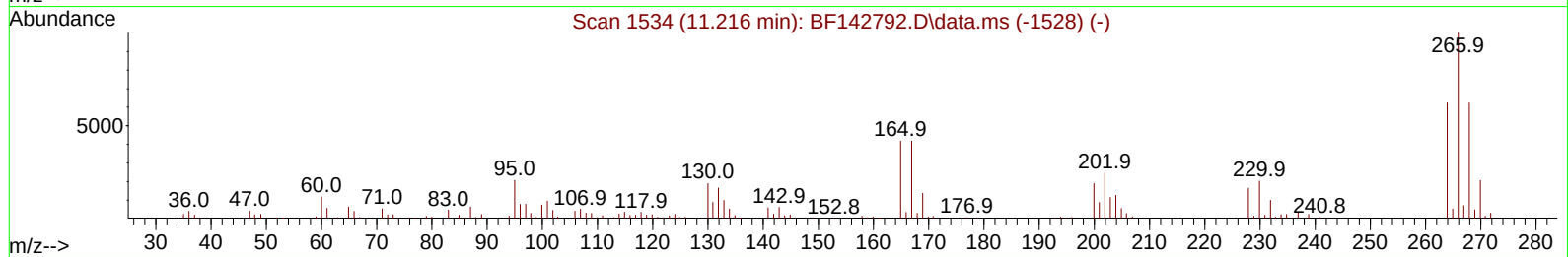
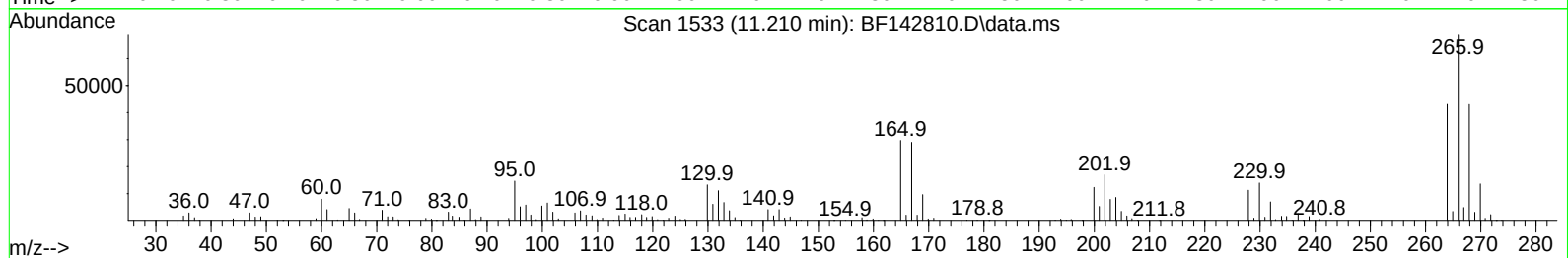
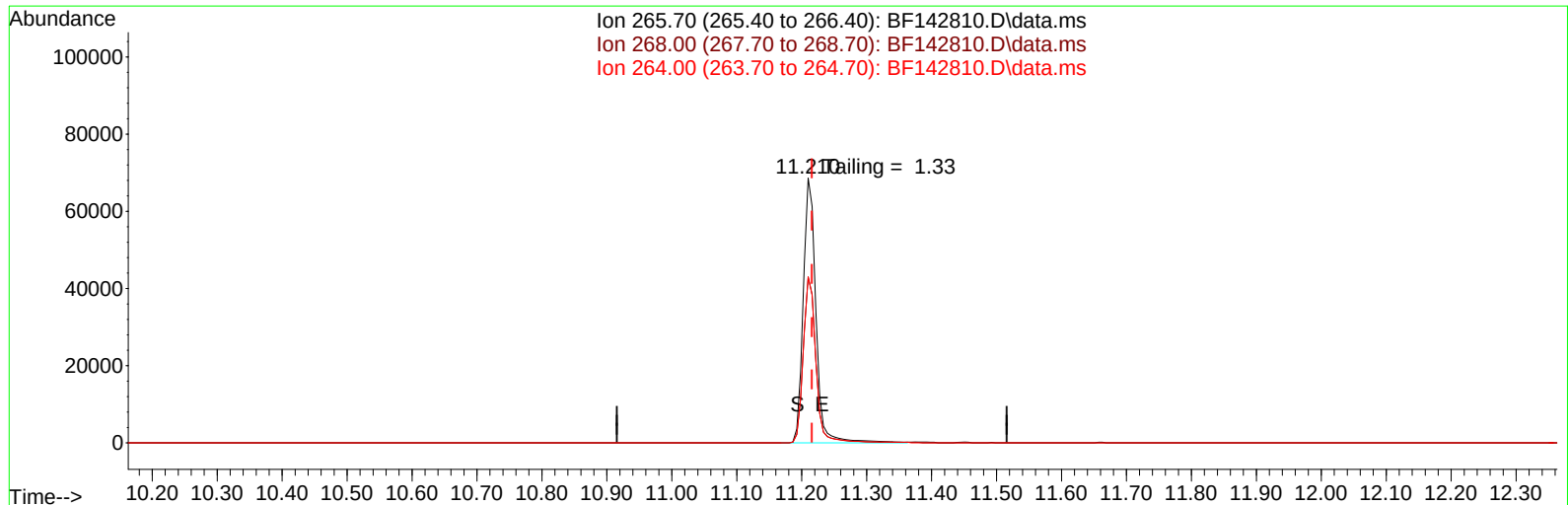
Date	Instrument Name	DFTPP Data File
6/24/2025	BNA_F	<u>BF142810.D</u>
Compound Name	Response	Retention Time
DDT	200766	13.569
DDD	2580	13.298
DDE	274	12.933
SUM(DDD+DDE)	SUM(DDT+DDD+DDE)	% Breakdown Of DDT
2854	203620	1.40

Instrument :
BNA_F
ClientSampleId :
DFTPP

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF062425\
Data File : BF142810.D
Acq On : 24 Jun 2025 09:46
Operator : RC/JU
Sample : DFTPP
Misc :
ALS Vial : 1 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
DFTPP

Quant Time: Jun 24 12:45:00 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: BF142810.D\data.ms

(70) Pentachlorophenol (C)

11.210min (-0.006) 37936.00 ng

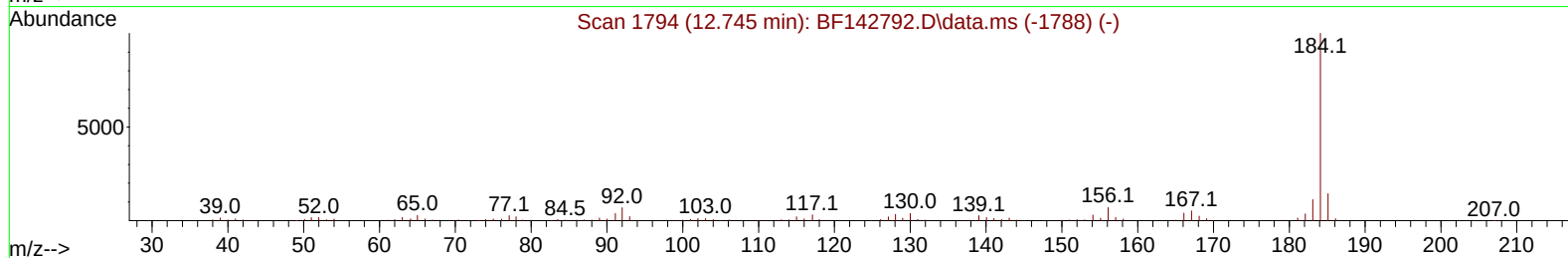
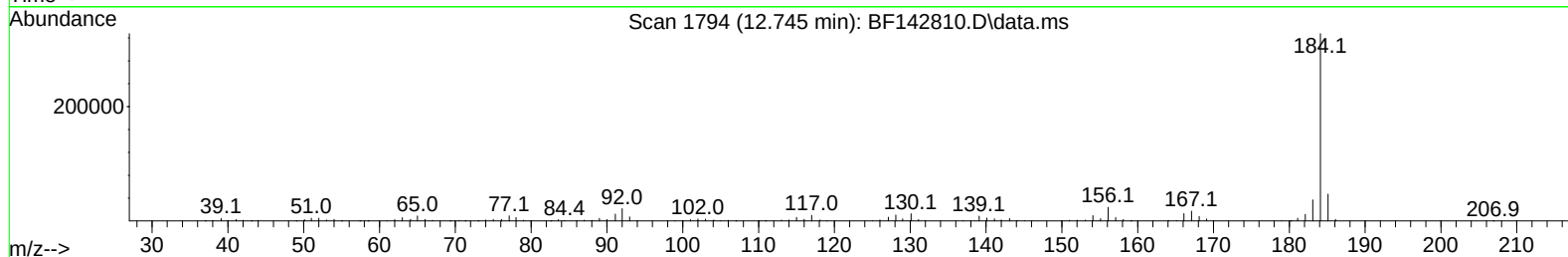
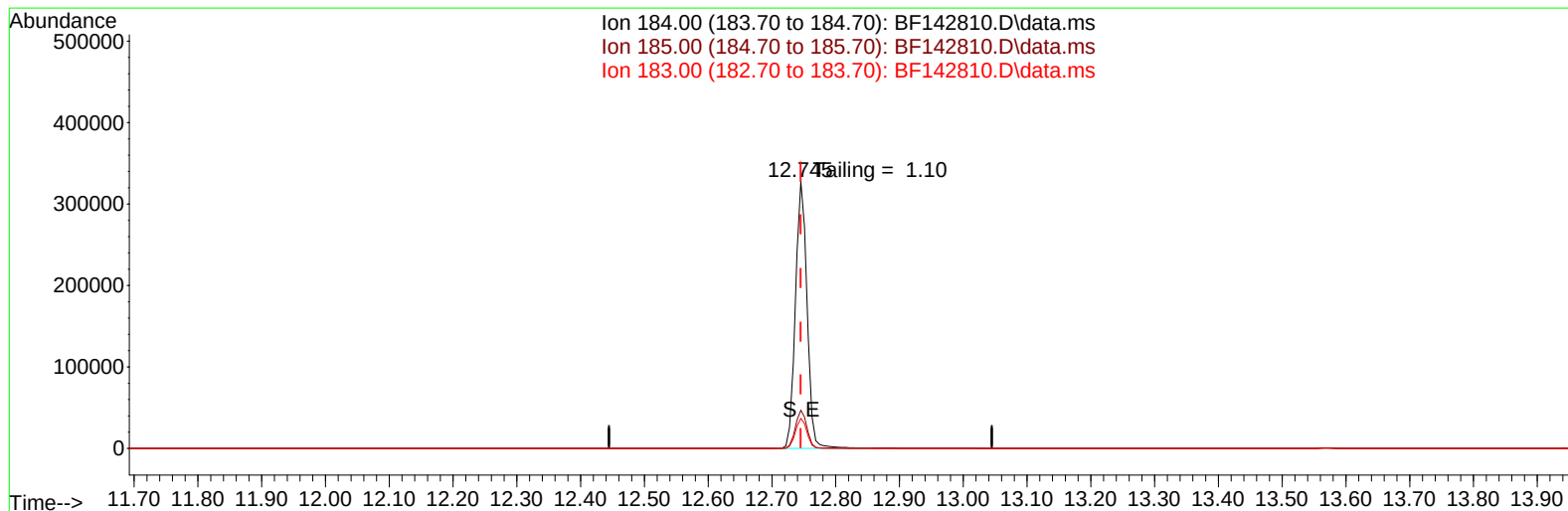
response 93471

Ion	Exp%	Act%
265.70	100.00	100.00
268.00	62.30	62.64
264.00	62.40	62.71
0.00	0.00	0.00

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF062425\
Data File : BF142810.D
Acq On : 24 Jun 2025 09:46
Operator : RC/JU
Sample : DFTPP
Misc :
ALS Vial : 1 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
DFTPP

Quant Time: Jun 24 12:45:00 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: BF142810.D\data.ms

(77) Benzidine

12.745min (+ 0.000) 0.00 ng

response 419228

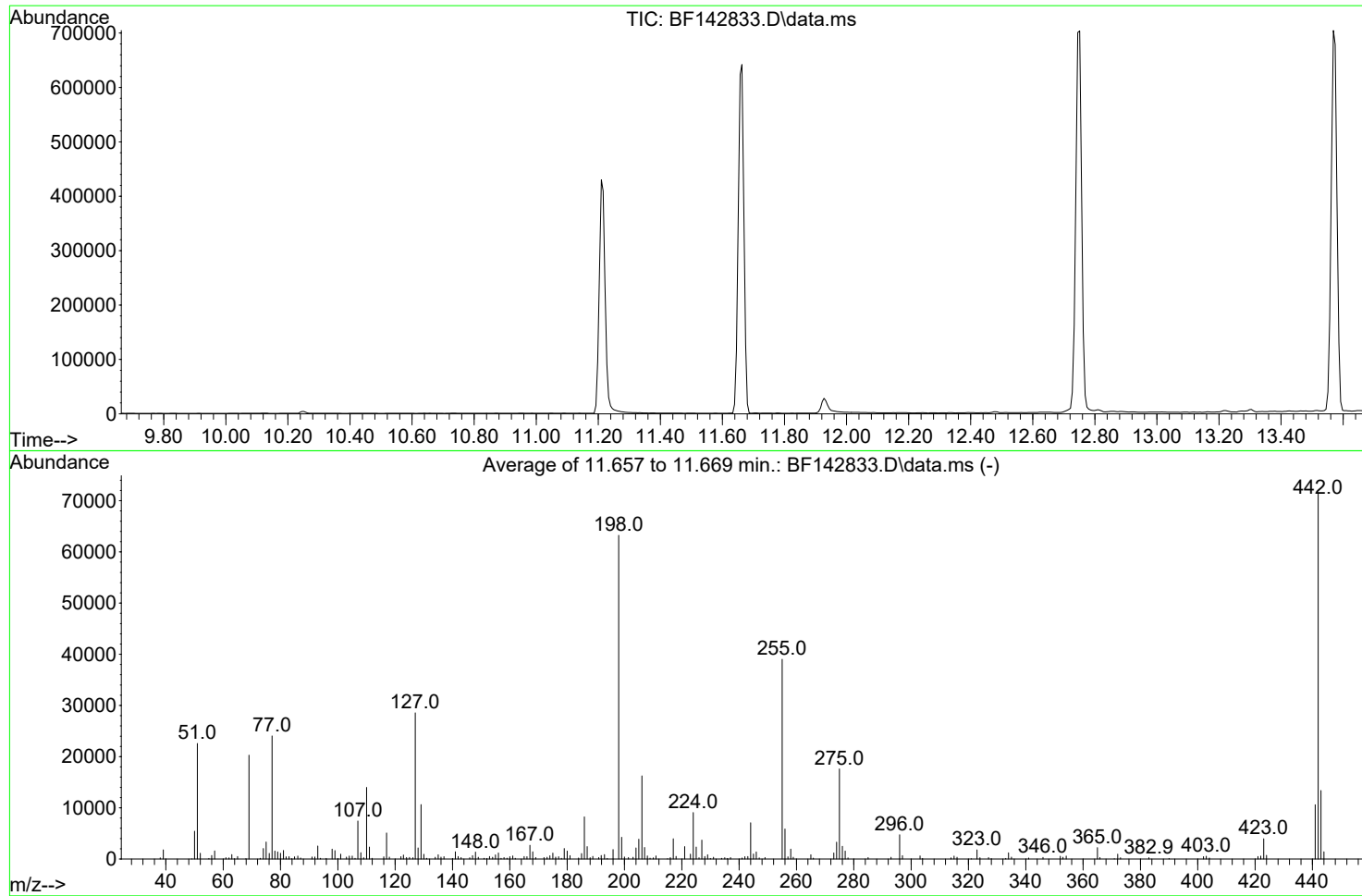
Ion	Exp%	Act%
184.00	100.00	100.00
185.00	14.40	14.33
183.00	11.20	11.26
0.00	0.00	0.00

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF062525\
Data File : BF142833.D
Acq On : 25 Jun 2025 12:17
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 1609, 1610, 1611; Background Corrected with Scan 1603

Target Mass	Rel. to Mass	Lower Limit%	Upper Limit%	Rel. Abn%	Raw Abn	Result Pass/Fail
68	69	0.00	2	0.4	72	PASS
69	69	100	100	100.0	20307	PASS
70	69	0.00	2	0.0	0	PASS
197	198	0.00	2	0.0	0	PASS
198	198	100	100	100.0	63235	PASS
199	198	5	9	6.7	4266	PASS
365	198	1	100	3.5	2228	PASS
441	443	0.01	150	79.2	10603	PASS
442	442	100	100	100.0	71325	PASS
443	442	15	24	18.8	13383	PASS

DDT Breakdown

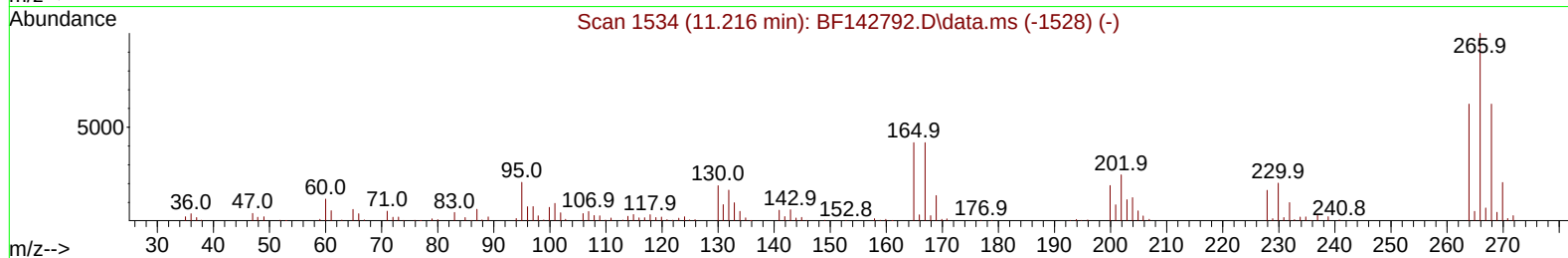
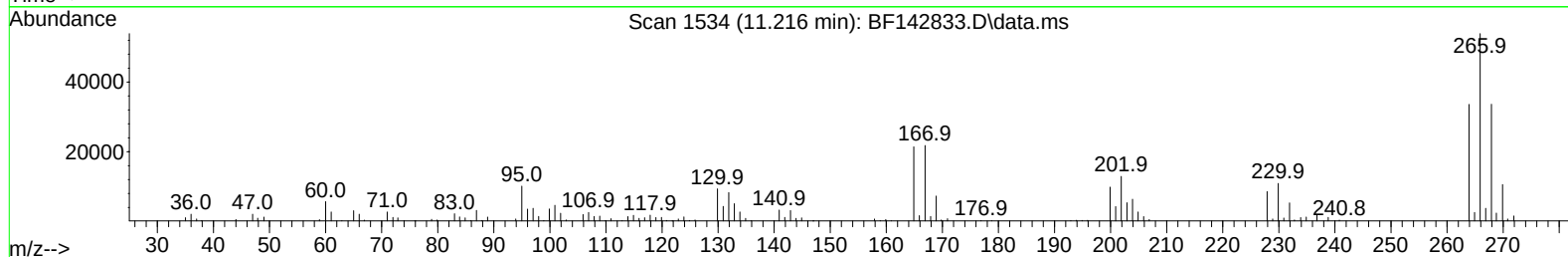
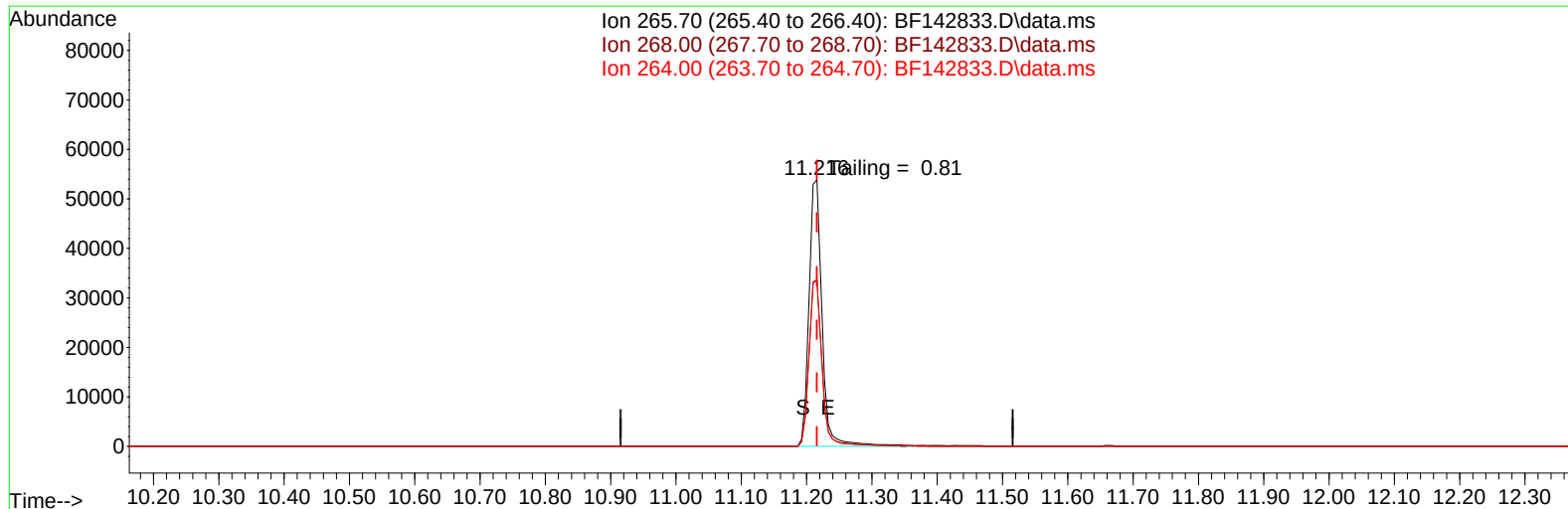
Date	Instrument Name	DFTPP Data File
6/25/2025	BNA_F	<u>BF142833.D</u>
Compound Name	Response	Retention Time
DDT	182439	13.574
DDD	2979	13.304
DDE	207	12.933
SUM(DDD+DDE)	SUM(DDT+DDD+DDE)	% Breakdown Of DDT
3186	185625	1.72

Instrument :
BNA_F
ClientSampleId :
DFTPP

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF062525\
Data File : BF142833.D
Acq On : 25 Jun 2025 12:17
Operator : RC/JU
Sample : DFTPP
Misc :
ALS Vial : 1 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
DFTPP

Quant Time: Jun 25 13:51:21 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: BF142833.D\data.ms

(70) Pentachlorophenol (C)

11.216min (+ 0.000) 32756.87 ng

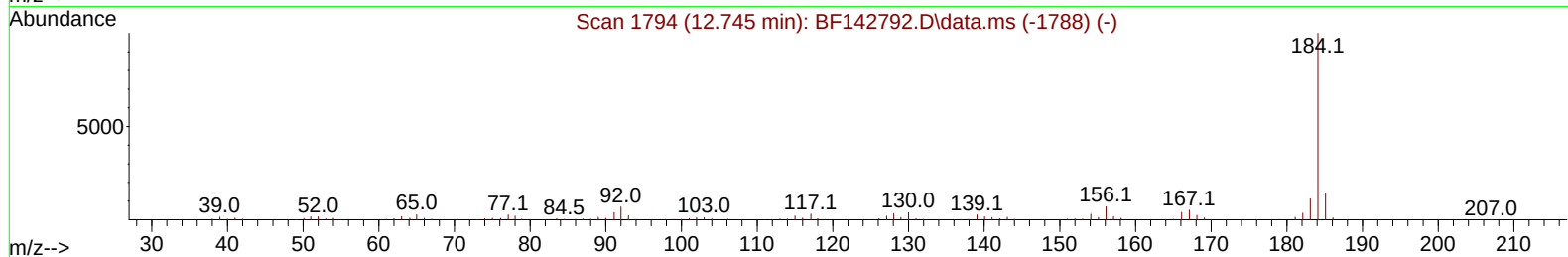
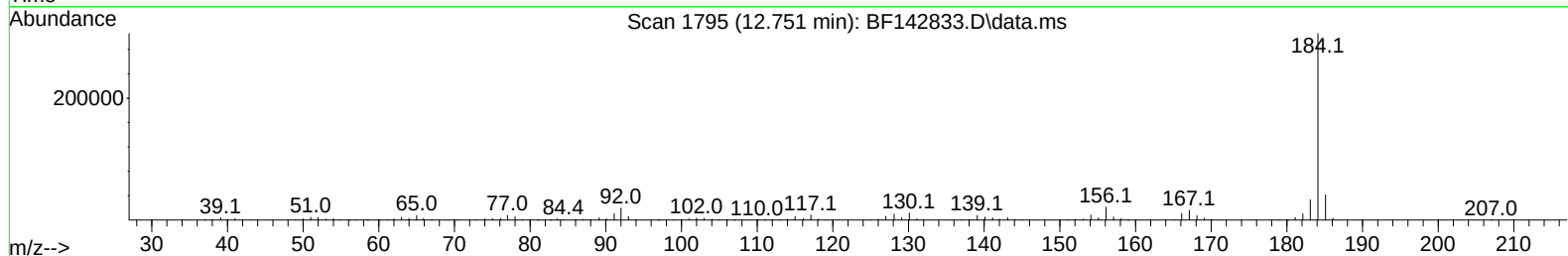
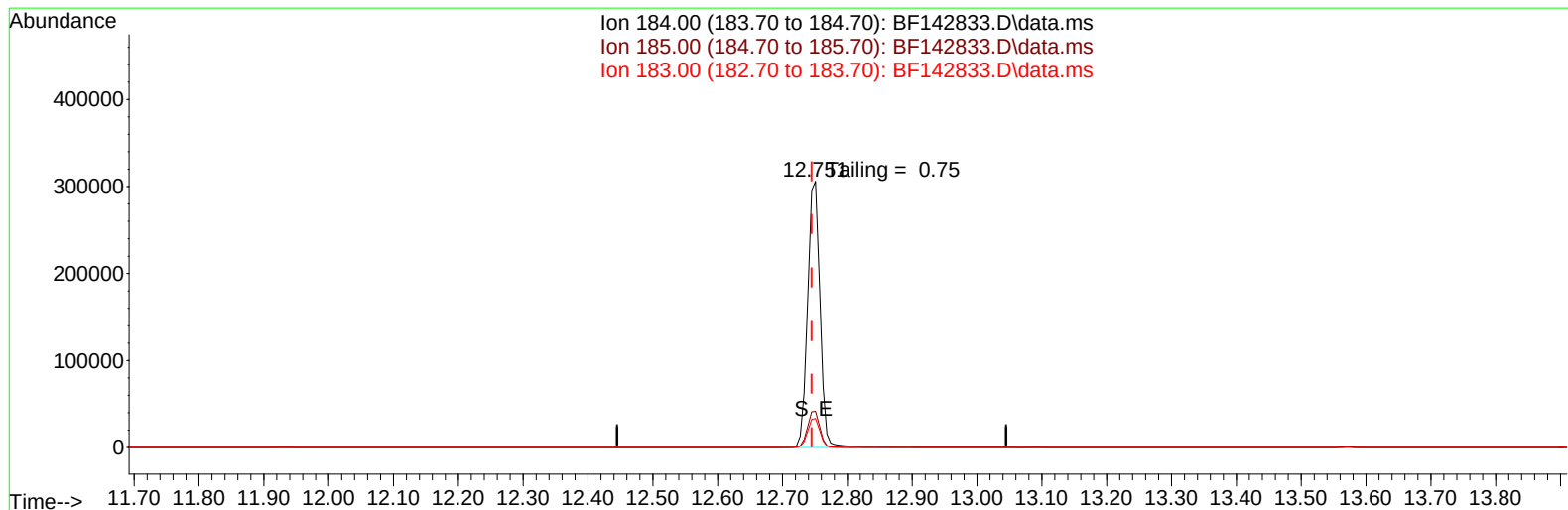
response 75756

Ion	Exp%	Act%
265.70	100.00	100.00
268.00	62.30	62.42
264.00	62.40	62.36
0.00	0.00	0.00

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF062525\
Data File : BF142833.D
Acq On : 25 Jun 2025 12:17
Operator : RC/JU
Sample : DFTPP
Misc :
ALS Vial : 1 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
DFTPP

Quant Time: Jun 25 13:51:21 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: BF142833.D\data.ms

(77) Benzidine

12.751min (+ 0.006) 0.00 ng

response 410200

Ion	Exp%	Act%
184.00	100.00	100.00
185.00	14.40	13.59
183.00	11.20	10.93
0.00	0.00	0.00

Report of Analysis

Client:	Union Paving & Construction Company	Date Collected:	
Project:	190 Park Ave Hanover Twp NJ - PO 2556-001	Date Received:	
Client Sample ID:	PB168601BL	SDG No.:	Q2393
Lab Sample ID:	PB168601BL	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
BF142838.D	1	06/24/25 13:00	06/25/25 15:26	PB168601

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	80.0	ug/Kg
67-72-1	Hexachloroethane	17.6	U	17.6	170	ug/Kg
98-95-3	Nitrobenzene	18.3	U	18.3	170	ug/Kg
78-59-1	Isophorone	32.8	U	32.8	170	ug/Kg
88-75-5	2-Nitrophenol	58.2	U	58.2	170	ug/Kg
105-67-9	2,4-Dimethylphenol	64.8	U	64.8	170	ug/Kg
111-91-1	bis(2-Chloroethoxy)methane	30.8	U	30.8	170	ug/Kg
120-83-2	2,4-Dichlorophenol	28.3	U	28.3	170	ug/Kg
91-20-3	Naphthalene	22.7	U	22.7	170	ug/Kg
106-47-8	4-Chloroaniline	35.4	U	35.4	170	ug/Kg
87-68-3	Hexachlorobutadiene	25.3	U	25.3	170	ug/Kg
105-60-2	Caprolactam	52.1	U	52.1	330	ug/Kg
59-50-7	4-Chloro-3-methylphenol	28.7	U	28.7	170	ug/Kg
91-57-6	2-Methylnaphthalene	25.6	U	25.6	170	ug/Kg
77-47-4	Hexachlorocyclopentadiene	120	U	120	330	ug/Kg
88-06-2	2,4,6-Trichlorophenol	19.8	U	19.8	170	ug/Kg
95-95-4	2,4,5-Trichlorophenol	29.1	U	29.1	170	ug/Kg
92-52-4	1,1-Biphenyl	21.8	U	21.8	170	ug/Kg
91-58-7	2-Chloronaphthalene	22.5	U	22.5	170	ug/Kg
88-74-4	2-Nitroaniline	48.1	U	48.1	170	ug/Kg
131-11-3	Dimethylphthalate	27.1	U	27.1	170	ug/Kg

Report of Analysis

Client:	Union Paving & Construction Company	Date Collected:	
Project:	190 Park Ave Hanover Twp NJ - PO 2556-001	Date Received:	
Client Sample ID:	PB168601BL	SDG No.:	Q2393
Lab Sample ID:	PB168601BL	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
BF142838.D	1	06/24/25 13:00	06/25/25 15:26	PB168601

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units(Dry Weight)
208-96-8	Acenaphthylene	28.9	U	28.9	170	ug/Kg
606-20-2	2,6-Dinitrotoluene	33.6	U	33.6	170	ug/Kg
99-09-2	3-Nitroaniline	46.0	U	46.0	170	ug/Kg
83-32-9	Acenaphthene	21.3	U	21.3	170	ug/Kg
51-28-5	2,4-Dinitrophenol	230	U	230	330	ug/Kg
100-02-7	4-Nitrophenol	110	U	110	330	ug/Kg
132-64-9	Dibenzofuran	22.7	U	22.7	170	ug/Kg
121-14-2	2,4-Dinitrotoluene	50.1	U	50.1	170	ug/Kg
84-66-2	Diethylphthalate	28.3	U	28.3	170	ug/Kg
7005-72-3	4-Chlorophenyl-phenylether	26.7	U	26.7	170	ug/Kg
86-73-7	Fluorene	25.3	U	25.3	170	ug/Kg
100-01-6	4-Nitroaniline	64.2	U	64.2	170	ug/Kg
534-52-1	4,6-Dinitro-2-methylphenol	100	U	100	330	ug/Kg
86-30-6	n-Nitrosodiphenylamine	32.9	U	32.9	170	ug/Kg
101-55-3	4-Bromophenyl-phenylether	27.8	U	27.8	170	ug/Kg
118-74-1	Hexachlorobenzene	25.3	U	25.3	170	ug/Kg
1912-24-9	Atrazine	34.0	U	34.0	170	ug/Kg
87-86-5	Pentachlorophenol	51.3	U	51.3	330	ug/Kg
85-01-8	Phenanthrene	20.9	U	20.9	170	ug/Kg
120-12-7	Anthracene	33.3	U	33.3	170	ug/Kg
86-74-8	Carbazole	31.2	U	31.2	170	ug/Kg
84-74-2	Di-n-butylphthalate	47.9	U	47.9	170	ug/Kg
206-44-0	Fluoranthene	30.0	U	30.0	170	ug/Kg
129-00-0	Pyrene	36.0	U	36.0	170	ug/Kg
85-68-7	Butylbenzylphthalate	71.4	U	71.4	170	ug/Kg
91-94-1	3,3-Dichlorobenzidine	36.7	U	36.7	330	ug/Kg
56-55-3	Benzo(a)anthracene	23.0	U	23.0	170	ug/Kg
218-01-9	Chrysene	19.9	U	19.9	170	ug/Kg
117-81-7	Bis(2-ethylhexyl)phthalate	59.2	U	59.2	170	ug/Kg
117-84-0	Di-n-octyl phthalate	86.8	U	86.8	330	ug/Kg
205-99-2	Benzo(b)fluoranthene	19.0	U	19.0	170	ug/Kg

Report of Analysis

Client:	Union Paving & Construction Company	Date Collected:	
Project:	190 Park Ave Hanover Twp NJ - PO 2556-001	Date Received:	
Client Sample ID:	PB168601BL	SDG No.:	Q2393
Lab Sample ID:	PB168601BL	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
BF142838.D	1	06/24/25 13:00	06/25/25 15:26	PB168601

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	83%	SPK: 150
13127-88-3	Phenol-d6	122		15 - 107	81%	SPK: 150
4165-60-0	Nitrobenzene-d5	79.3		18 - 107	79%	SPK: 100
321-60-8	2-Fluorobiphenyl	78.1		20 - 109	78%	SPK: 100
118-79-6	2,4,6-Tribromophenol	129		10 - 116	86%	SPK: 150
1718-51-0	Terphenyl-d14	72.4		10 - 105	72%	SPK: 100
INTERNAL STANDARDS						
3855-82-1	1,4-Dichlorobenzene-d4	81400	6.875			
1146-65-2	Naphthalene-d8	310000	8.157			
15067-26-2	Acenaphthene-d10	163000	9.916			
1517-22-2	Phenanthrene-d10	284000	11.404			
1719-03-5	Chrysene-d12	174000	14.051			
1520-96-3	Perylene-d12	179000	15.539			
TENTATIVE IDENTIFIED COMPOUNDS						
000123-42-2	2-Pentanone, 4-hydroxy-4-methyl-	320	A		5.11	ug/Kg

Report of Analysis

Client:	Union Paving & Construction Company	Date Collected:	
Project:	190 Park Ave Hanover Twp NJ - PO 2556-001	Date Received:	
Client Sample ID:	PB168601BL	SDG No.:	Q2393
Lab Sample ID:	PB168601BL	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
BF142838.D	1	06/24/25 13:00	06/25/25 15:26	PB168601

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\BF062525\
Data File : BF142838.D
Acq On : 25 Jun 2025 15:26
Operator : RC/JU
Sample : PB168601BL
Misc :
ALS Vial : 6 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
PB168601BL

Quant Time: Jun 25 15:48:14 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	81390	20.000	ng	0.00
21) Naphthalene-d8	8.157	136	310420	20.000	ng	-0.01
39) Acenaphthene-d10	9.916	164	163008	20.000	ng	0.00
64) Phenanthrene-d10	11.404	188	283770	20.000	ng	0.00
76) Chrysene-d12	14.051	240	173595	20.000	ng	0.00
86) Perylene-d12	15.539	264	178625	20.000	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.504	112	609610	124.703	ng	0.01
7) Phenol-d6	6.504	99	704216	122.101	ng	0.00
23) Nitrobenzene-d5	7.439	82	448695	79.284	ng	0.00
42) 2,4,6-Tribromophenol	10.710	330	216788	129.236	ng	0.00
45) 2-Fluorobiphenyl	9.239	172	968980	78.090	ng	0.00
79) Terphenyl-d14	12.998	244	909178	72.365	ng	0.00

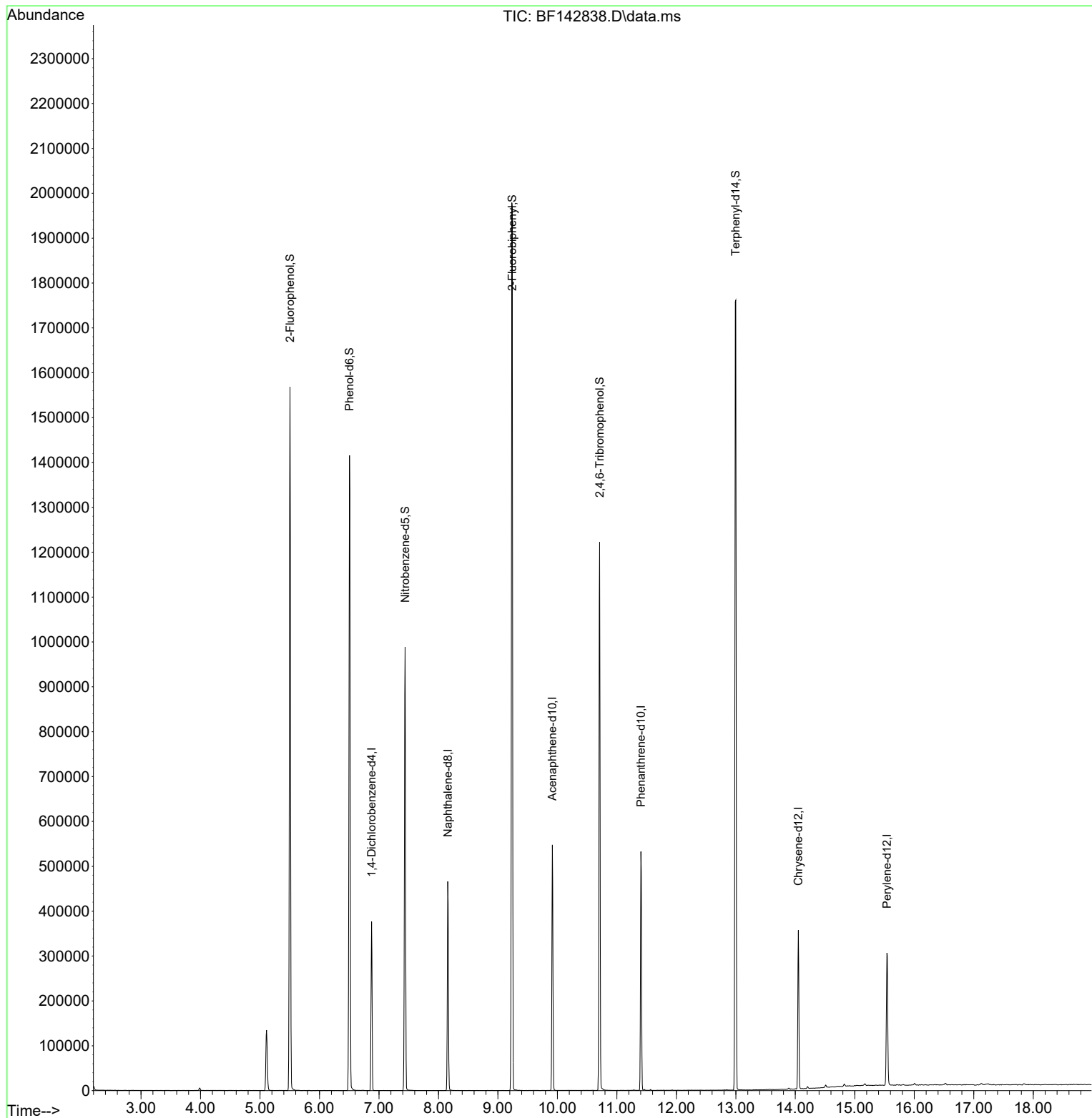
Target Compounds	Qvalue

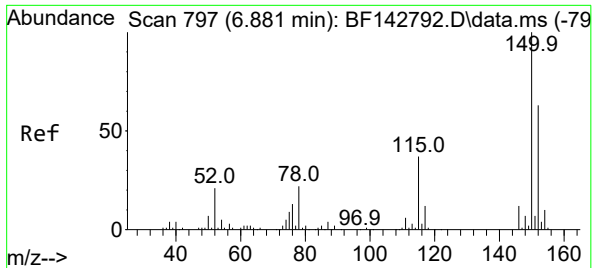
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF062525\
Data File : BF142838.D
Acq On : 25 Jun 2025 15:26
Operator : RC/JU
Sample : PB168601BL
Misc :
ALS Vial : 6 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
PB168601BL

Quant Time: Jun 25 15:48:14 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

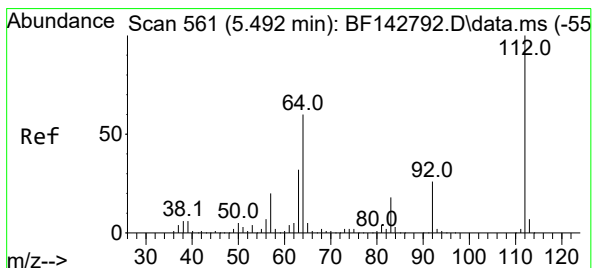
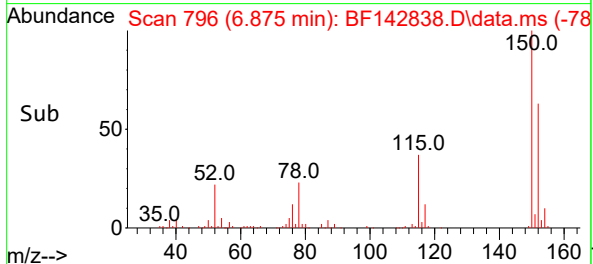
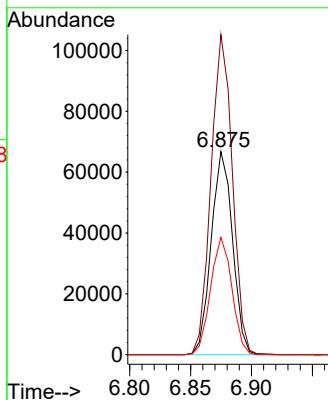
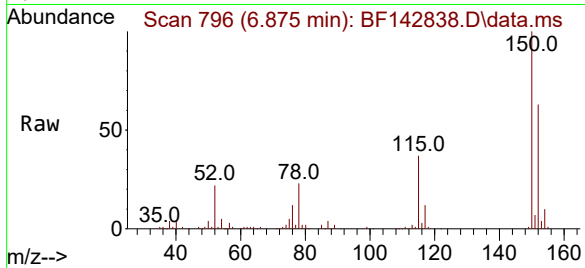




#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.875 min Scan# 797
Delta R.T. -0.006 min
Lab File: BF142838.D
Acq: 25 Jun 2025 15:26

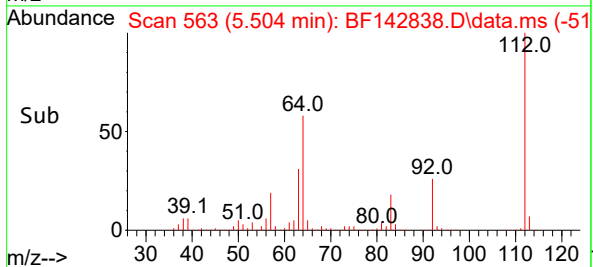
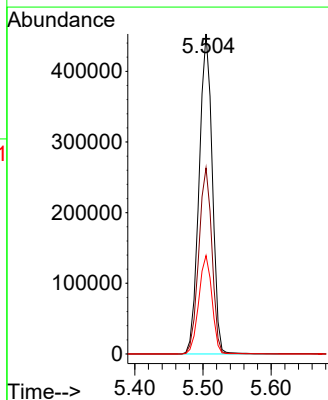
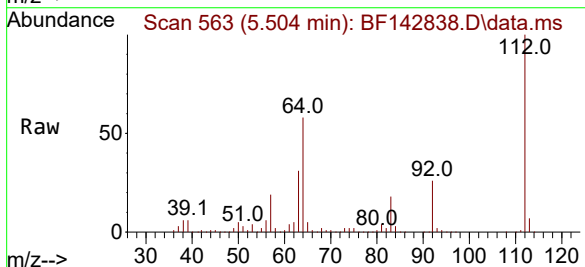
Instrument :
BNA_F
ClientSampleId :
PB168601BL

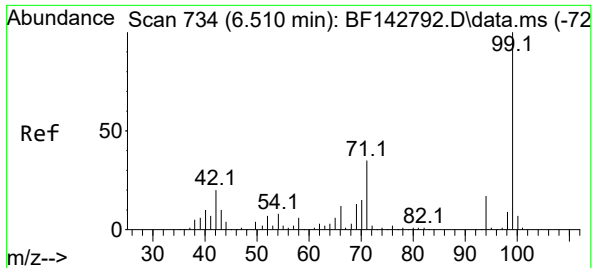
Tgt Ion:152 Resp: 81390
Ion Ratio Lower Upper
152 100
150 157.6 127.2 190.8
115 57.8 46.6 69.8



#5
2-Fluorophenol
Concen: 124.703 ng
RT: 5.504 min Scan# 563
Delta R.T. 0.012 min
Lab File: BF142838.D
Acq: 25 Jun 2025 15:26

Tgt Ion:112 Resp: 609610
Ion Ratio Lower Upper
112 100
64 58.2 48.2 72.2
63 30.8 25.7 38.5

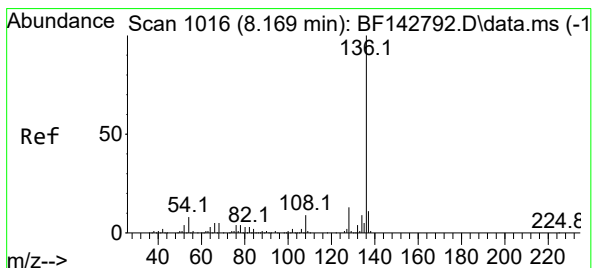
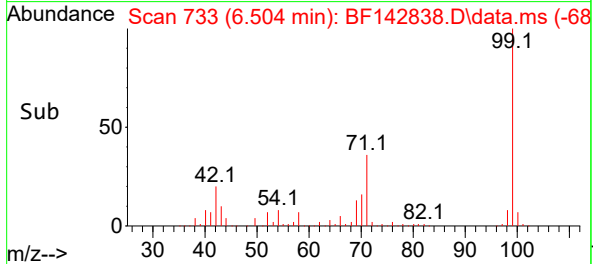
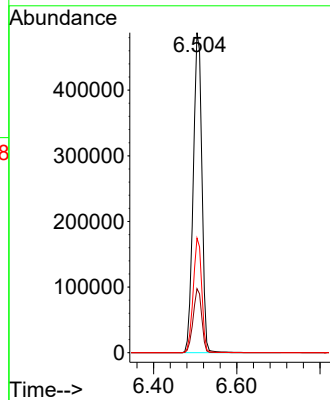
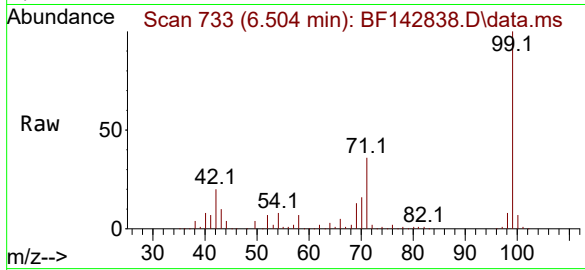




#7
Phenol-d6
Concen: 122.101 ng
RT: 6.504 min Scan# 71
Delta R.T. -0.006 min
Lab File: BF142838.D
Acq: 25 Jun 2025 15:26

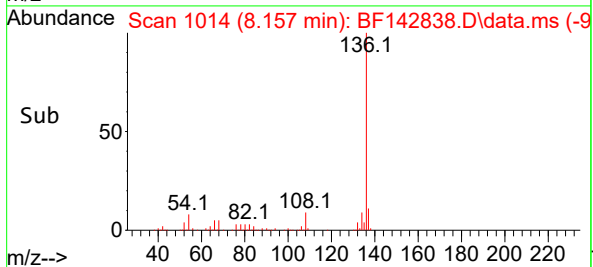
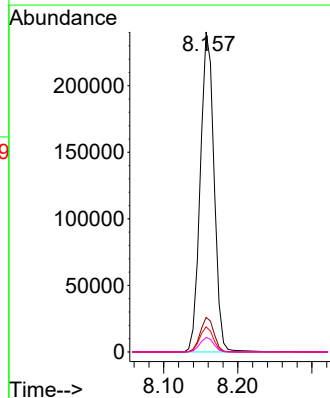
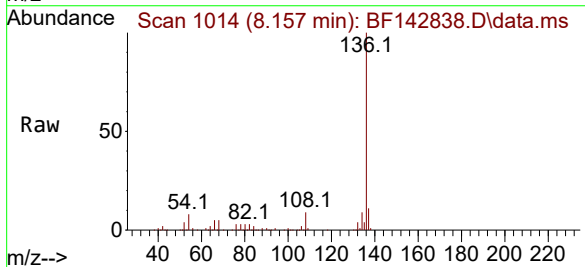
Instrument :
BNA_F
ClientSampleId :
PB168601BL

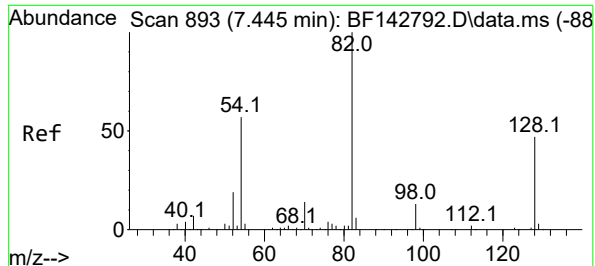
Tgt Ion: 99 Resp: 704216
Ion Ratio Lower Upper
99 100
42 20.0 15.9 23.9
71 35.8 27.8 41.8



#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.157 min Scan# 1014
Delta R.T. -0.012 min
Lab File: BF142838.D
Acq: 25 Jun 2025 15:26

Tgt Ion: 136 Resp: 310420
Ion Ratio Lower Upper
136 100
137 10.8 8.4 12.6
54 7.9 6.3 9.5
68 4.6 3.7 5.5





#23

Nitrobenzene-d5

Concen: 79.284 ng

RT: 7.439 min Scan# 89

Delta R.T. -0.006 min

Lab File: BF142838.D

Acq: 25 Jun 2025 15:26

Instrument :

BNA_F

ClientSampleId :

PB168601BL

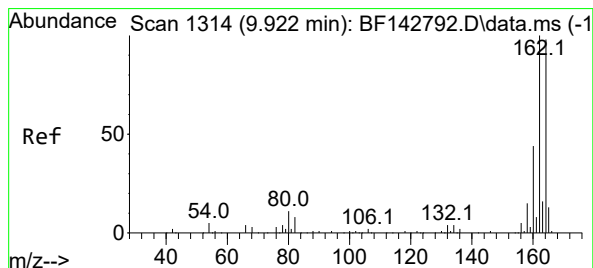
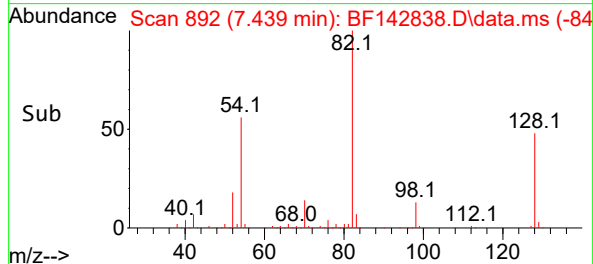
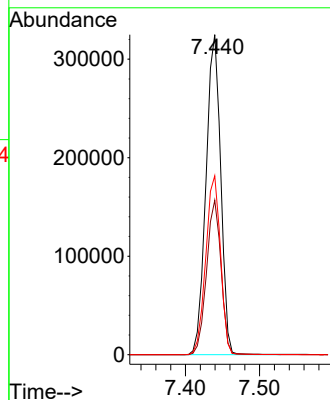
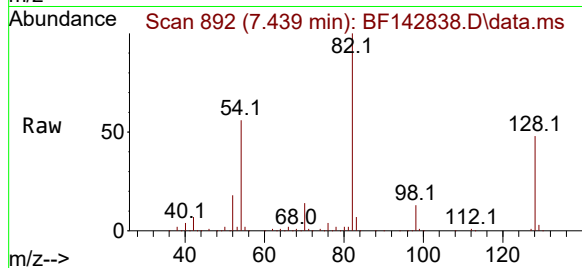
Tgt Ion: 82 Resp: 448695

Ion Ratio Lower Upper

82 100

128 48.3 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: BF142838.D

Acq: 25 Jun 2025 15:26

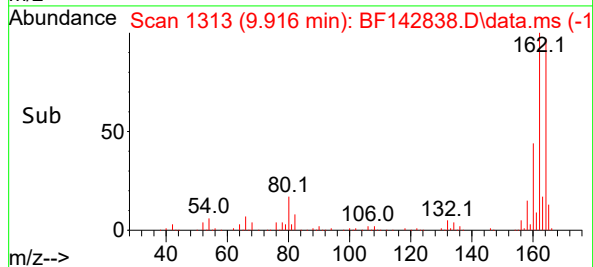
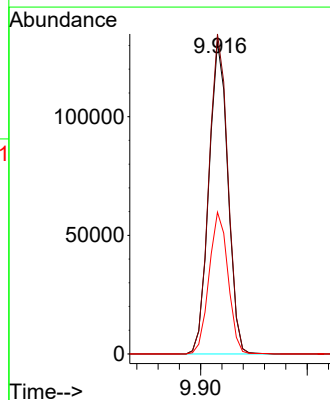
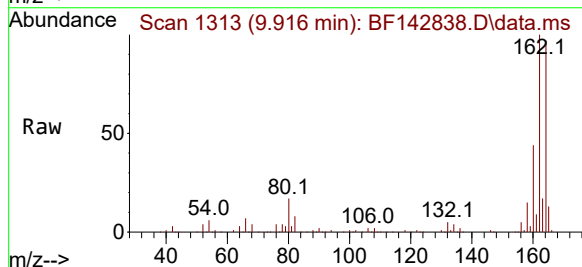
Tgt Ion:164 Resp: 163008

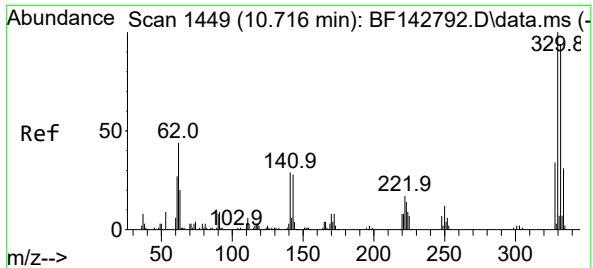
Ion Ratio Lower Upper

164 100

162 102.6 81.8 122.8

160 45.4 36.0 54.0

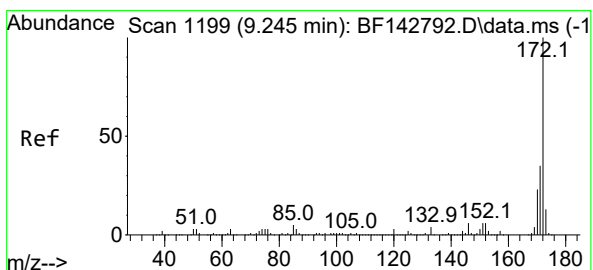
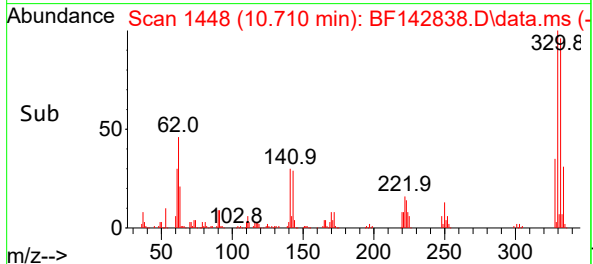
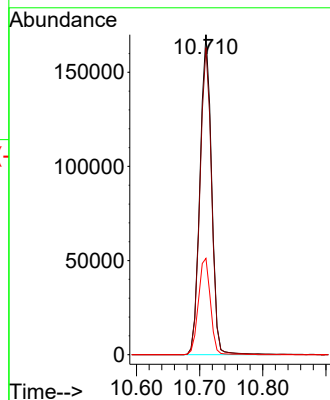
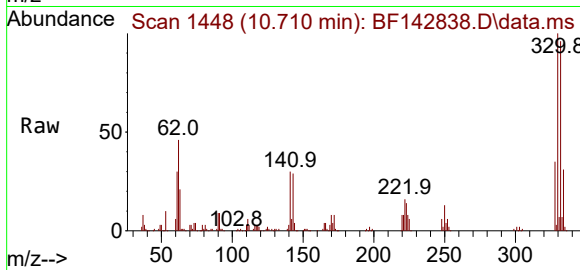




#42
2,4,6-Tribromophenol
Concen: 129.236 ng
RT: 10.710 min Scan# 1449
Delta R.T. -0.006 min
Lab File: BF142838.D
Acq: 25 Jun 2025 15:26

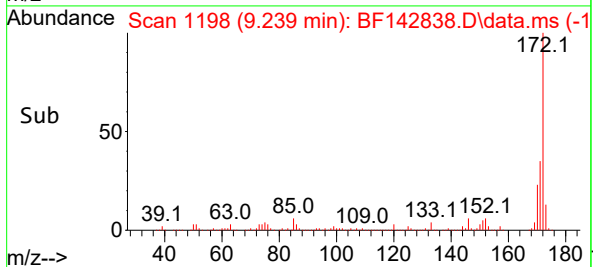
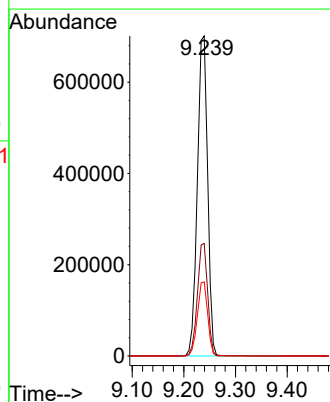
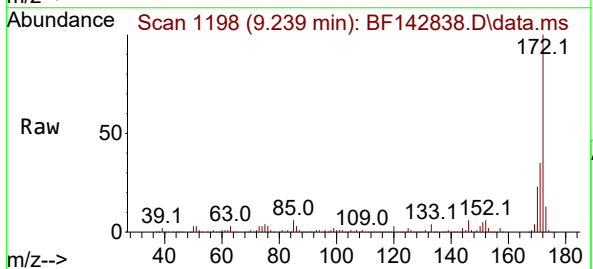
Instrument :
BNA_F
ClientSampleId :
PB168601BL

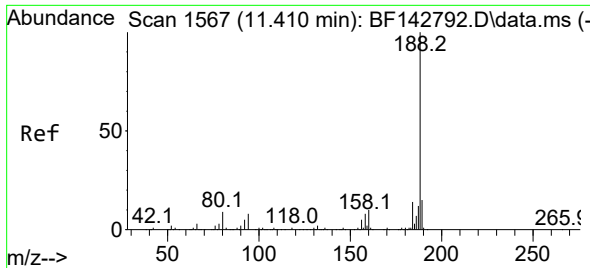
Tgt Ion:330 Resp: 216788
Ion Ratio Lower Upper
330 100
332 95.9 75.0 112.6
141 31.1 25.3 37.9



#45
2-Fluorobiphenyl
Concen: 78.090 ng
RT: 9.239 min Scan# 1198
Delta R.T. -0.006 min
Lab File: BF142838.D
Acq: 25 Jun 2025 15:26

Tgt Ion:172 Resp: 968980
Ion Ratio Lower Upper
172 100
171 35.1 28.2 42.4
170 23.1 18.5 27.7

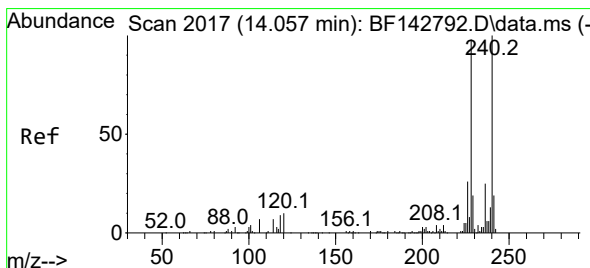
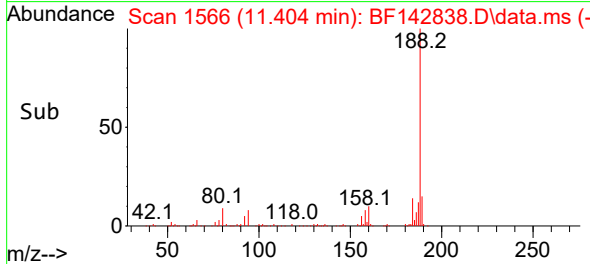
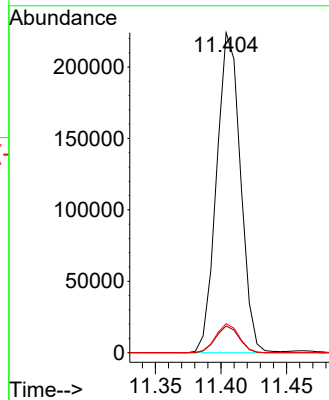
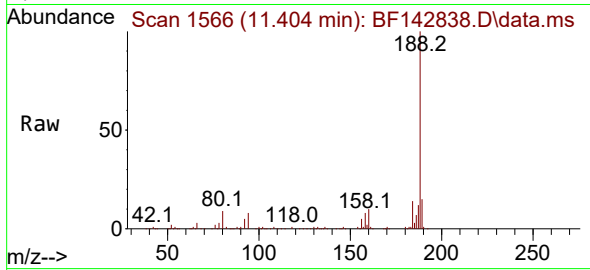




#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.404 min Scan# 11
Delta R.T. -0.006 min
Lab File: BF142838.D
Acq: 25 Jun 2025 15:26

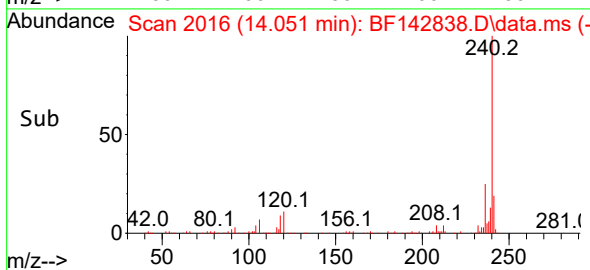
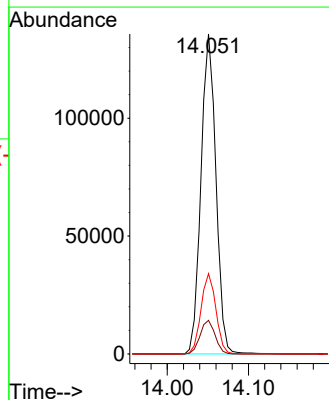
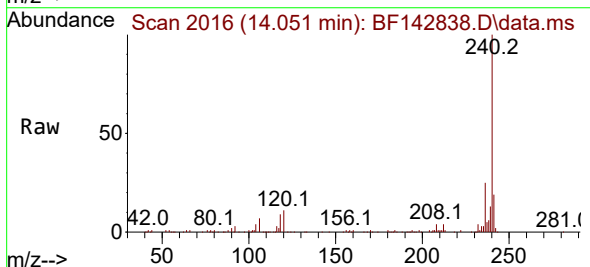
Instrument :
BNA_F
ClientSampleId :
PB168601BL

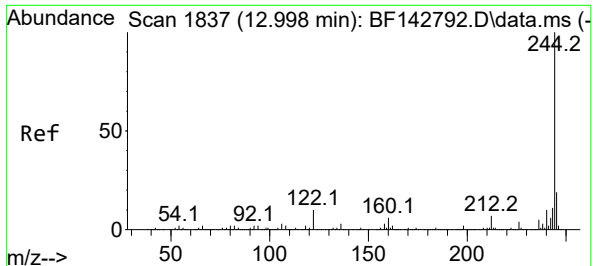
Tgt Ion:188 Resp: 283770
Ion Ratio Lower Upper
188 100
94 8.3 6.7 10.1
80 9.0 6.9 10.3



#76
Chrysene-d12
Concen: 20.000 ng
RT: 14.051 min Scan# 2016
Delta R.T. -0.006 min
Lab File: BF142838.D
Acq: 25 Jun 2025 15:26

Tgt Ion:240 Resp: 173595
Ion Ratio Lower Upper
240 100
120 10.5 8.2 12.2
236 25.1 19.8 29.8





#79

Terphenyl-d14

Concen: 72.365 ng

RT: 12.998 min Scan# 11

Delta R.T. -0.000 min

Lab File: BF142838.D

Acq: 25 Jun 2025 15:26

Instrument :

BNA_F

ClientSampleId :

PB168601BL

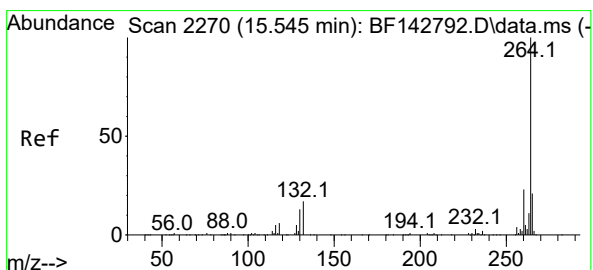
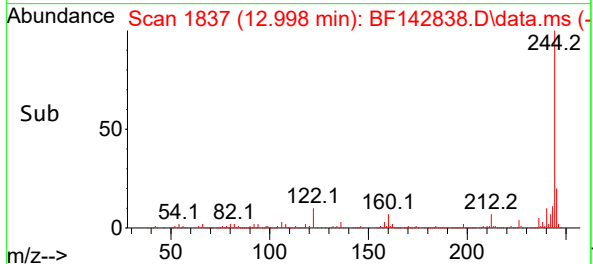
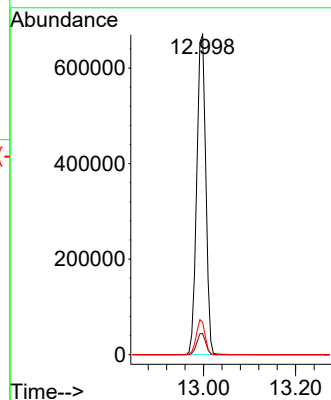
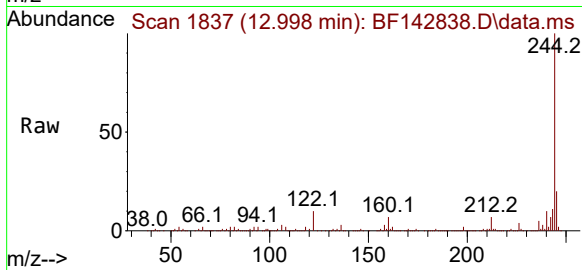
Tgt Ion:244 Resp: 909178

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: BF142838.D

Acq: 25 Jun 2025 15:26

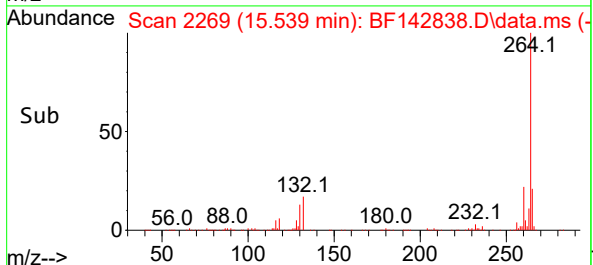
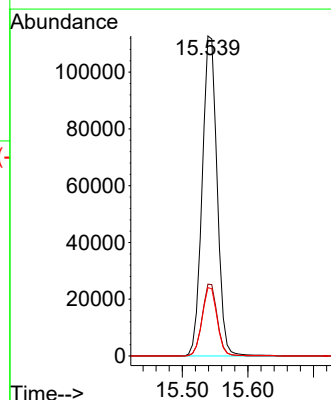
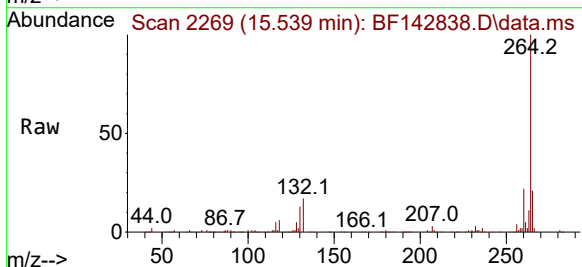
Tgt Ion:264 Resp: 178625

Ion Ratio Lower Upper

264 100

260 22.5 18.1 27.1

265 21.3 16.6 25.0



Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF062525\
Data File : BF142838.D
Acq On : 25 Jun 2025 15:26
Operator : RC/JU
Sample : PB168601BL
Misc :
ALS Vial : 6 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
PB168601BL

Integration Parameters: rteint.p

Integrator: RTE

Smoothing : ON

Sampling : 1

Start Thrs: 0.2

Stop Thrs : 0

Filtering: 5

Min Area: 3 % of largest Peak

Max Peaks: 100

Peak Location: TOP

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

Peak separation: 5

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

Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

Signal : TIC: BF142838.D\data.ms

peak #	R.T. min	first scan	max scan	last scan	PK TY	peak height	corr. area	corr. % max.	% of total
1	5.110	490	496	512	rBV	134562	218768	8.05%	1.393%
2	5.504	557	563	568	rBV	1567687	2094706	77.08%	13.340%
3	6.504	727	733	739	rBV	1415529	2031499	74.75%	12.937%
4	6.875	791	796	801	rBV	376505	456236	16.79%	2.905%
5	7.440	885	892	897	rBV	988208	1354913	49.86%	8.629%
6	8.157	1009	1014	1023	rBV	465796	594340	21.87%	3.785%
7	9.234	1191	1197	1203	rBV	1978735	2717613	100.00%	17.307%
8	9.916	1308	1313	1318	rBV	547186	673895	24.80%	4.292%
9	10.710	1442	1448	1462	rBV	1221589	1584076	58.29%	10.088%
10	11.404	1561	1566	1572	rBV	532159	669733	24.64%	4.265%
11	12.998	1831	1837	1842	rBV	1759942	2395333	88.14%	15.254%
12	14.051	2011	2016	2024	rBV	353759	447792	16.48%	2.852%
13	15.539	2263	2269	2279	rBV	294234	463780	17.07%	2.954%

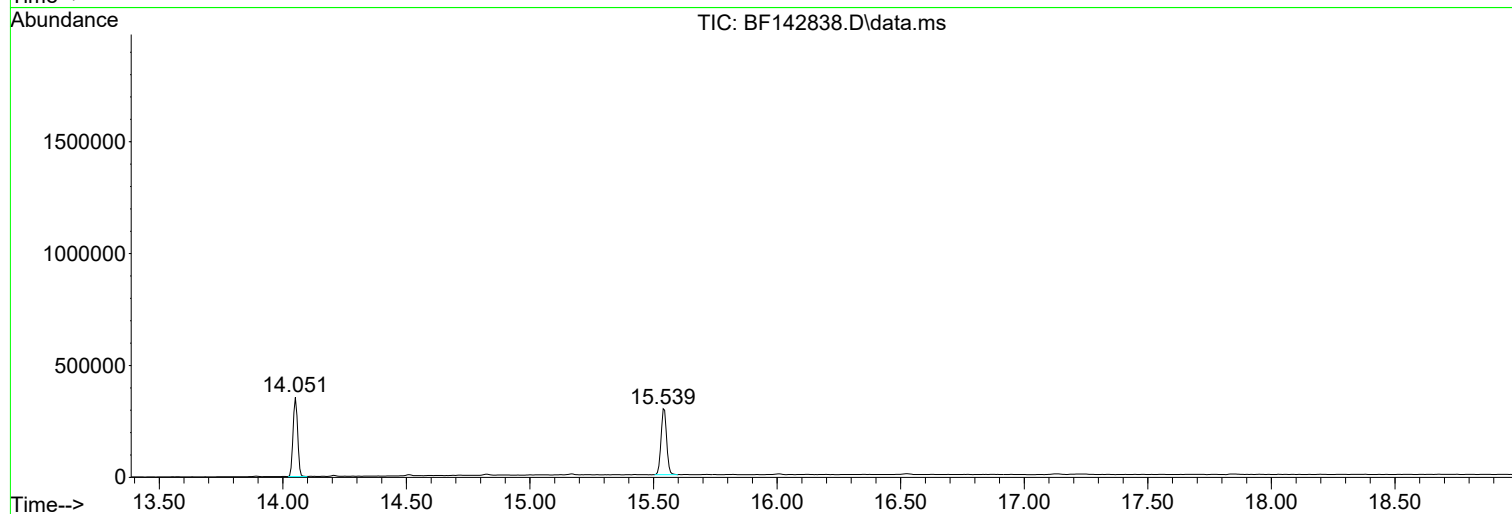
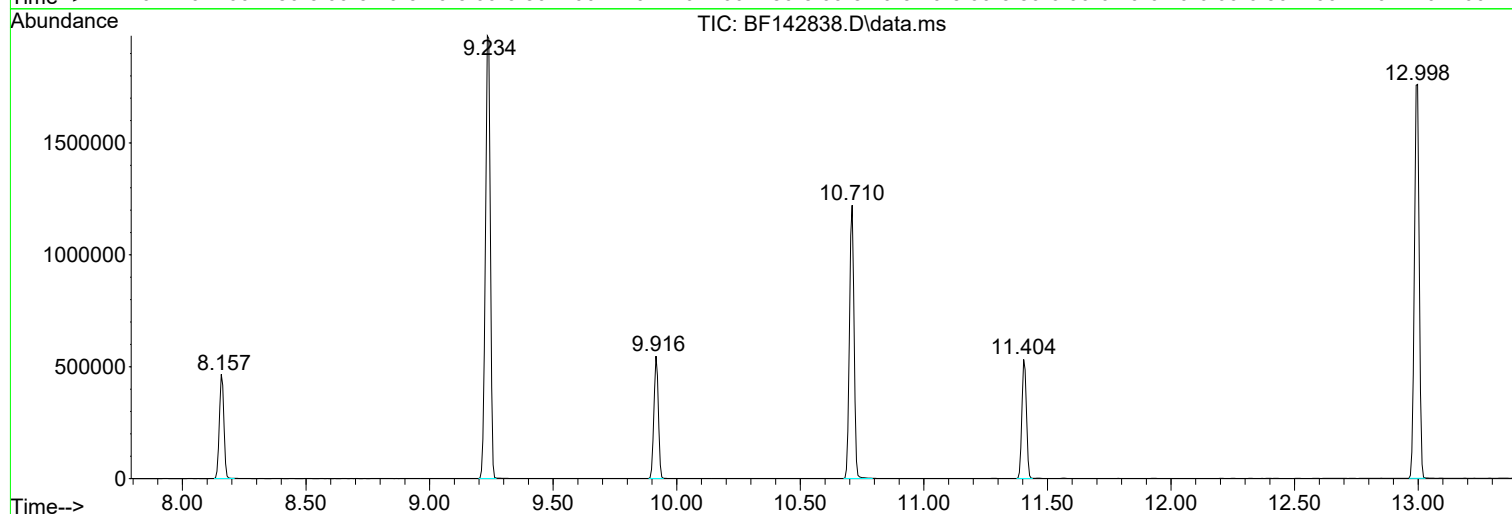
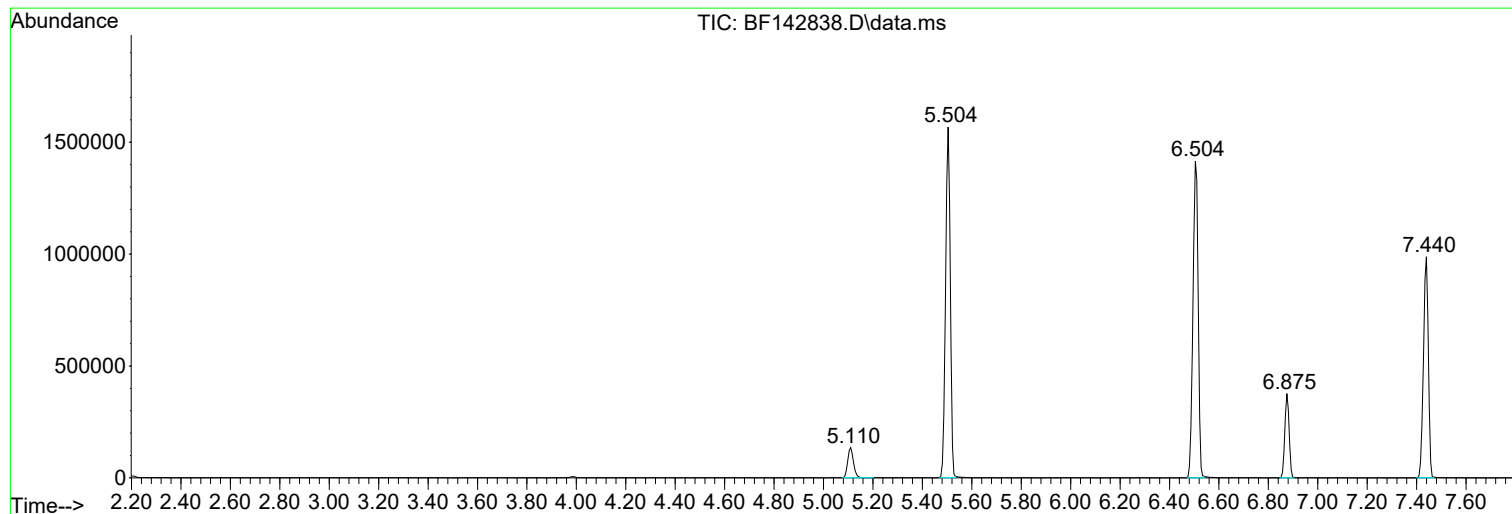
Sum of corrected areas: 15702684

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF062525\
Data File : BF142838.D
Acq On : 25 Jun 2025 15:26
Operator : RC/JU
Sample : PB168601BL
Misc :
ALS Vial : 6 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
PB168601BL

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\BF062525\
Data File : BF142838.D
Acq On : 25 Jun 2025 15:26
Operator : RC/JU
Sample : PB168601BL
Misc :
ALS Vial : 6 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
PB168601BL

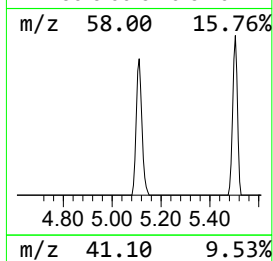
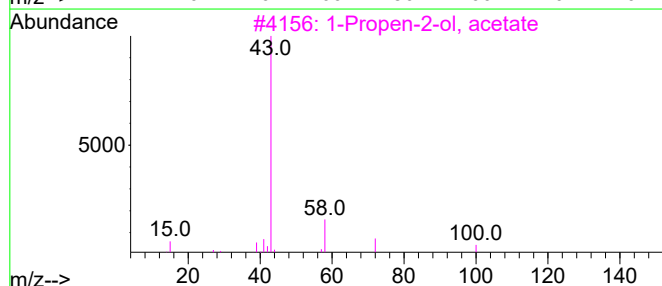
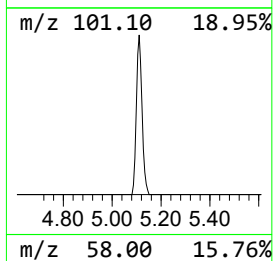
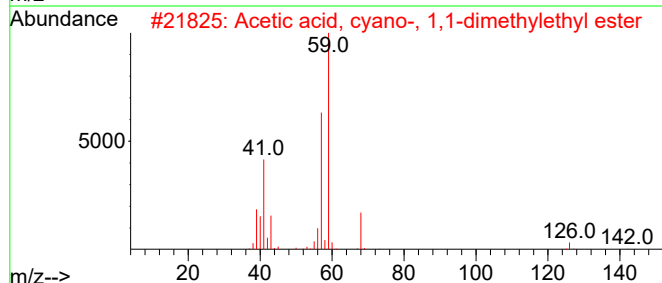
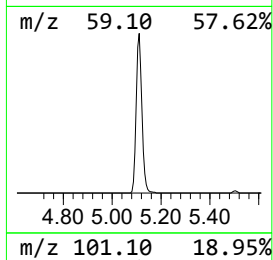
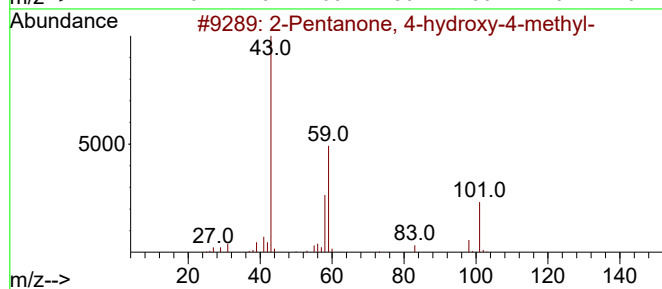
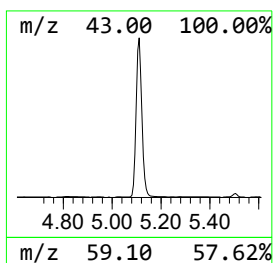
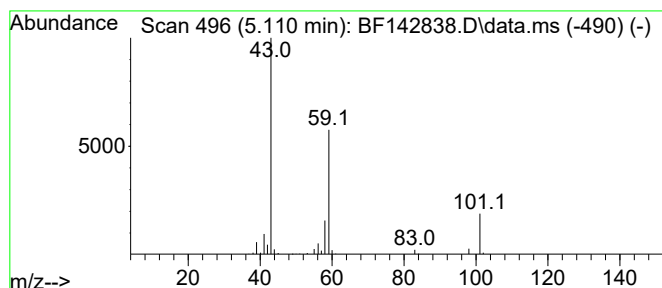
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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.
5.110	9.59 ng	218768	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	32	
3	1-Propen-2-ol, acetate	100	C5H8O2	000108-22-5	12	
4	2,3-Butanedione, monooxime	101	C4H7NO2	000057-71-6	9	
5	Propane, 1-ethoxy-2-methyl-	102	C6H14O	000627-02-1	9	



Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF062525\
Data File : BF142838.D
Acq On : 25 Jun 2025 15:26
Operator : RC/JU
Sample : PB168601BL
Misc :
ALS Vial : 6 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
PB168601BL

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-...	5.110	9.6	ng	218768	1	6.875	456236	20.0

Report of Analysis

Client:	Union Paving & Construction Company	Date Collected:	
Project:	190 Park Ave Hanover Twp NJ - PO 2556-001	Date Received:	
Client Sample ID:	PB168601BS	SDG No.:	Q2393
Lab Sample ID:	PB168601BS	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
BF142839.D	1	06/24/25 13:00	06/25/25 15:57	PB168601

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units(Dry Weight)
TARGETS						
100-52-7	Benzaldehyde	1300		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	1400		24.4	170	ug/Kg
95-48-7	2-Methylphenol	1400		29.9	170	ug/Kg
108-60-1	2,2-oxybis(1-Chloropropane)	1400		37.5	170	ug/Kg
98-86-2	Acetophenone	1500		29.5	170	ug/Kg
65794-96-9	3+4-Methylphenols	1400		41.1	330	ug/Kg
621-64-7	n-Nitroso-di-n-propylamine	1400		47.4	79.9	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		58.1	170	ug/Kg
105-67-9	2,4-Dimethylphenol	1400		64.7	170	ug/Kg
111-91-1	bis(2-Chloroethoxy)methane	1500		30.8	170	ug/Kg
120-83-2	2,4-Dichlorophenol	1400		28.3	170	ug/Kg
91-20-3	Naphthalene	1500		22.7	170	ug/Kg
106-47-8	4-Chloroaniline	560		35.4	170	ug/Kg
87-68-3	Hexachlorobutadiene	1500		25.3	170	ug/Kg
105-60-2	Caprolactam	1400		52.0	330	ug/Kg
59-50-7	4-Chloro-3-methylphenol	1400		28.7	170	ug/Kg
91-57-6	2-Methylnaphthalene	1400		25.6	170	ug/Kg
77-47-4	Hexachlorocyclopentadiene	3400	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	1400		48.1	170	ug/Kg
131-11-3	Dimethylphthalate	1500		27.1	170	ug/Kg

Report of Analysis

Client:	Union Paving & Construction Company	Date Collected:	
Project:	190 Park Ave Hanover Twp NJ - PO 2556-001	Date Received:	
Client Sample ID:	PB168601BS	SDG No.:	Q2393
Lab Sample ID:	PB168601BS	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
BF142839.D	1	06/24/25 13:00	06/25/25 15:57	PB168601

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	750		46.0	170	ug/Kg
83-32-9	Acenaphthene	1600		21.3	170	ug/Kg
51-28-5	2,4-Dinitrophenol	3200	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		50.0	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	1400		25.3	170	ug/Kg
100-01-6	4-Nitroaniline	1400		64.1	170	ug/Kg
534-52-1	4,6-Dinitro-2-methylphenol	1600		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	3100	E	51.2	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	1600		30.0	170	ug/Kg
129-00-0	Pyrene	1200		36.0	170	ug/Kg
85-68-7	Butylbenzylphthalate	1800		71.3	170	ug/Kg
91-94-1	3,3-Dichlorobenzidine	660		36.7	330	ug/Kg
56-55-3	Benzo(a)anthracene	1500		23.0	170	ug/Kg
218-01-9	Chrysene	1500		19.9	170	ug/Kg
117-81-7	Bis(2-ethylhexyl)phthalate	1800		59.1	170	ug/Kg
117-84-0	Di-n-octyl phthalate	1800		86.7	330	ug/Kg
205-99-2	Benzo(b)fluoranthene	1600		19.0	170	ug/Kg

Report of Analysis

Client:	Union Paving & Construction Company	Date Collected:	
Project:	190 Park Ave Hanover Twp NJ - PO 2556-001	Date Received:	
Client Sample ID:	PB168601BS	SDG No.:	Q2393
Lab Sample ID:	PB168601BS	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
BF142839.D	1	06/24/25 13:00	06/25/25 15:57	PB168601

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units(Dry Weight)
207-08-9	Benzo(k)fluoranthene	1600		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	1400		29.1	170	ug/Kg
53-70-3	Dibenzo(a,h)anthracene	1400		27.4	170	ug/Kg
191-24-2	Benzo(g,h,i)perylene	1400		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	118		18 - 112	79%	SPK: 150
13127-88-3	Phenol-d6	114		15 - 107	76%	SPK: 150
4165-60-0	Nitrobenzene-d5	77.1		18 - 107	77%	SPK: 100
321-60-8	2-Fluorobiphenyl	78.8		20 - 109	79%	SPK: 100
118-79-6	2,4,6-Tribromophenol	118		10 - 116	79%	SPK: 150
1718-51-0	Terphenyl-d14	62.0		10 - 105	62%	SPK: 100
INTERNAL STANDARDS						
3855-82-1	1,4-Dichlorobenzene-d4	75800	6.875			
1146-65-2	Naphthalene-d8	275000	8.163			
15067-26-2	Acenaphthene-d10	133000	9.922			
1517-22-2	Phenanthrene-d10	201000	11.41			
1719-03-5	Chrysene-d12	147000	14.057			
1520-96-3	Perylene-d12	184000	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\BF062525\
 Data File : BF142839.D
 Acq On : 25 Jun 2025 15:57
 Operator : RC/JU
 Sample : PB168601BS
 Misc :
 ALS Vial : 7 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 PB168601BS

Quant Time: Jun 25 16:17:47 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	75779	20.000	ng	0.00
21) Naphthalene-d8	8.163	136	274808	20.000	ng	0.00
39) Acenaphthene-d10	9.922	164	132637	20.000	ng	0.00
64) Phenanthrene-d10	11.410	188	201072	20.000	ng	0.00
76) Chrysene-d12	14.057	240	147361	20.000	ng	0.00
86) Perylene-d12	15.545	264	184315	20.000	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.504	112	537720	118.141	ng	0.01
7) Phenol-d6	6.510	99	611348	113.848	ng	0.00
23) Nitrobenzene-d5	7.439	82	386152	77.075	ng	0.00
42) 2,4,6-Tribromophenol	10.710	330	161105	118.032	ng	0.00
45) 2-Fluorobiphenyl	9.239	172	796019	78.840	ng	0.00
79) Terphenyl-d14	12.992	244	660839	61.962	ng	0.00
Target Compounds						
					Qvalue	
2) 1,4-Dioxane	2.710	88	67762	37.222	ng	98
3) Pyridine	3.475	79	184116	40.342	ng	99
4) n-Nitrosodimethylamine	3.428	42	102806	43.561	ng	99
6) Aniline	6.540	93	213128	29.829	ng	92
8) 2-Chlorophenol	6.663	128	210361	42.845	ng	99
9) Benzaldehyde	6.428	77	126150	39.597	ng	99
10) Phenol	6.522	94	245098	41.062	ng	96
11) bis(2-Chloroethyl)ether	6.610	93	186285	43.666	ng	99
12) 1,3-Dichlorobenzene	6.816	146	238490	43.433	ng	99
13) 1,4-Dichlorobenzene	6.892	146	243305	43.918	ng	99
14) 1,2-Dichlorobenzene	7.045	146	231457	44.048	ng	99
15) Benzyl Alcohol	7.022	79	162957	41.977	ng	99
16) 2,2'-oxybis(1-Chloropr...	7.151	45	291399	42.514	ng	97
17) 2-Methylphenol	7.134	107	154584	41.547	ng	98
18) Hexachloroethane	7.387	117	86781	44.785	ng	99
19) n-Nitroso-di-n-propyla...	7.287	70	133756	42.827	ng	100
20) 3+4-Methylphenols	7.287	107	191364	41.251	ng	91
22) Acetophenone	7.287	105	270364	44.614	ng	98
24) Nitrobenzene	7.457	77	201988	44.544	ng	99
25) Isophorone	7.698	82	354436	44.101	ng	100
26) 2-Nitrophenol	7.775	139	114740	46.450	ng	99
27) 2,4-Dimethylphenol	7.816	122	183895	42.978	ng	99
28) bis(2-Chloroethoxy)met...	7.910	93	226918	44.411	ng	99
29) 2,4-Dichlorophenol	8.022	162	167520	43.179	ng	99
30) 1,2,4-Trichlorobenzene	8.104	180	192694	45.168	ng	99
31) Naphthalene	8.181	128	599634	44.578	ng	100
32) Benzoic acid	7.928	122	97867	44.876	ng	96
33) 4-Chloroaniline	8.234	127	92787	16.964	ng	98
34) Hexachlorobutadiene	8.298	225	120739	46.269	ng	99
35) Caprolactam	8.598	113	43848	42.830	ng	97
36) 4-Chloro-3-methylphenol	8.716	107	157573	40.867	ng	100
37) 2-Methylnaphthalene	8.875	142	362264	43.440	ng	100
38) 1-Methylnaphthalene	8.975	142	373442	43.258	ng	100
40) 1,2,4,5-Tetrachloroben...	9.045	216	185507	47.400	ng	99
41) Hexachlorocyclopentadiene	9.028	237	226737	102.091	ng	100
43) 2,4,6-Trichlorophenol	9.157	196	113915	44.668	ng	99

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF062525\
 Data File : BF142839.D
 Acq On : 25 Jun 2025 15:57
 Operator : RC/JU
 Sample : PB168601BS
 Misc :
 ALS Vial : 7 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 PB168601BS

Quant Time: Jun 25 16:17:47 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

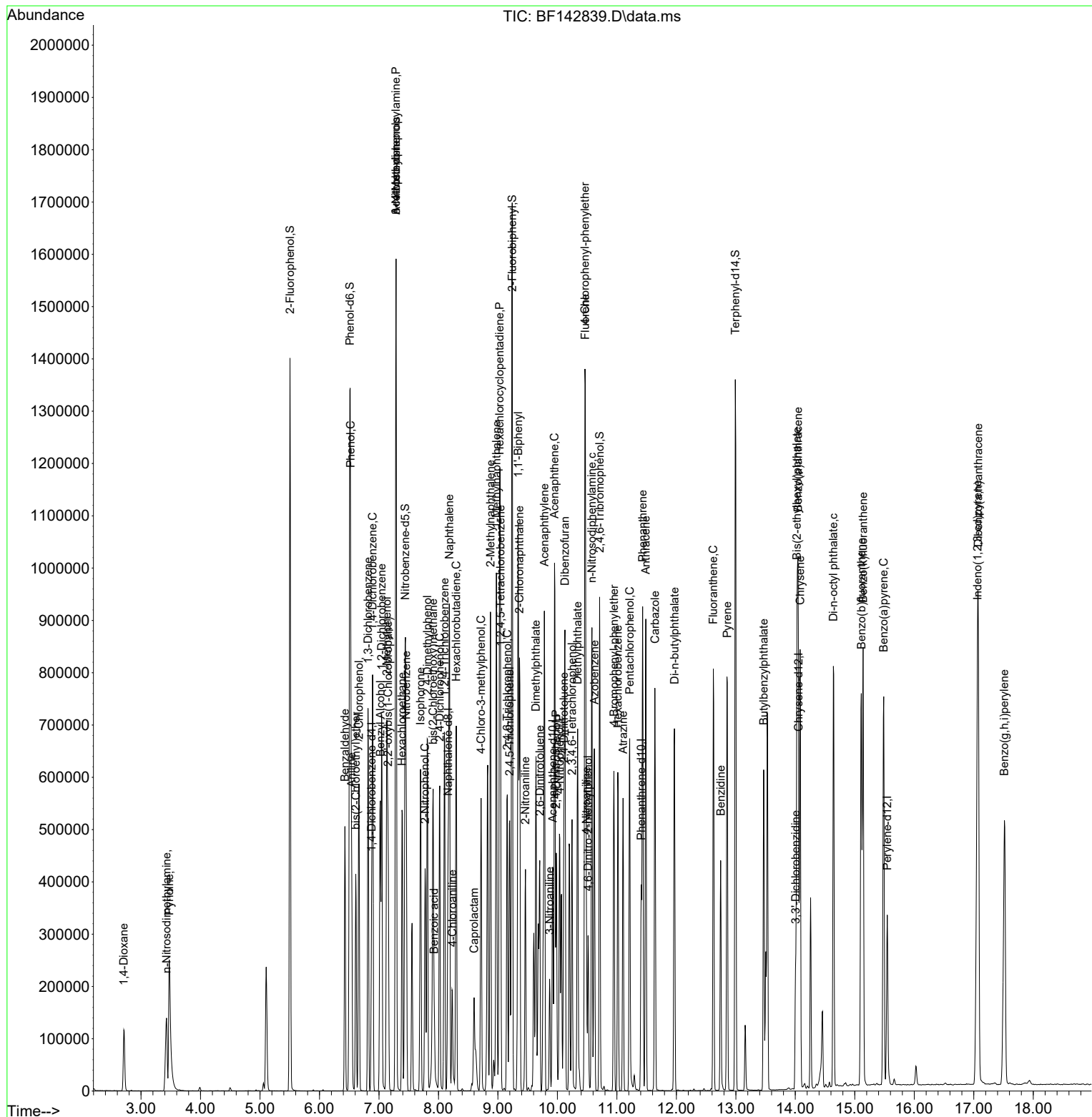
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
44) 2,4,5-Trichlorophenol	9.198	196	118294	44.064	ng	99
46) 1,1'-Biphenyl	9.339	154	485020	46.291	ng	100
47) 2-Chloronaphthalene	9.363	162	355587	45.225	ng	100
48) 2-Nitroaniline	9.463	65	95641	43.388	ng	96
49) Acenaphthylene	9.781	152	578483	44.692	ng	99
50) Dimethylphthalate	9.639	163	383618	44.681	ng	100
51) 2,6-Dinitrotoluene	9.704	165	83401	44.233	ng	97
52) Acenaphthene	9.951	154	386282	48.914	ng	100
53) 3-Nitroaniline	9.869	138	47033	22.656	ng	99
54) 2,4-Dinitrophenol	9.980	184	91154	96.551	ng	99
55) Dibenzofuran	10.128	168	498929	44.058	ng	99
56) 4-Nitrophenol	10.039	139	119930	84.387	ng	98
57) 2,4-Dinitrotoluene	10.110	165	110607	44.163	ng	99
58) Fluorene	10.469	166	381766	43.166	ng	100
59) 2,3,4,6-Tetrachlorophenol	10.245	232	94664	43.746	ng	96
60) Diethylphthalate	10.339	149	374487	44.486	ng	100
61) 4-Chlorophenyl-phenyle...	10.463	204	184980	43.831	ng	99
62) 4-Nitroaniline	10.486	138	78627	41.413	ng	98
63) Azobenzene	10.622	77	316690	42.092	ng	98
65) 4,6-Dinitro-2-methylph...	10.516	198	58716	48.278	ng	94
66) n-Nitrosodiphenylamine	10.580	169	325101	46.652	ng	99
67) 4-Bromophenyl-phenylether	10.951	248	109098	47.675	ng	98
68) Hexachlorobenzene	11.016	284	120002	47.193	ng	98
69) Atrazine	11.104	200	93915	52.189	ng	99
70) Pentachlorophenol	11.216	266	118039	93.159	ng	98
71) Phenanthrene	11.433	178	493078	45.269	ng	99
72) Anthracene	11.486	178	508495	45.520	ng	100
73) Carbazole	11.639	167	444907	46.152	ng	100
74) Di-n-butylphthalate	11.969	149	518753	51.656	ng	100
75) Fluoranthene	12.621	202	482438	46.670	ng	100
77) Benzidine	12.745	184	243534	43.987	ng	99
78) Pyrene	12.857	202	486813	35.244	ng	100
80) Butylbenzylphthalate	13.469	149	210760	52.602	ng	96
81) Benzo(a)anthracene	14.045	228	452476	45.516	ng	99
82) 3,3'-Dichlorobenzidine	14.004	252	64332	19.951	ng	98
83) Chrysene	14.080	228	411802	46.423	ng	100
84) Bis(2-ethylhexyl)phtha...	14.027	149	318139	55.187	ng	99
85) Di-n-octyl phthalate	14.639	149	578638	53.232	ng	99
87) Indeno(1,2,3-cd)pyrene	17.062	276	603239	42.968	ng	99
88) Benzo(b)fluoranthene	15.110	252	497308	46.629	ng	100
89) Benzo(k)fluoranthene	15.139	252	476932	47.797	ng	99
90) Benzo(a)pyrene	15.486	252	485264	47.097	ng	99
91) Dibenzo(a,h)anthracene	17.074	278	488418	42.817	ng	99
92) Benzo(g,h,i)perylene	17.515	276	484905	42.630	ng	100

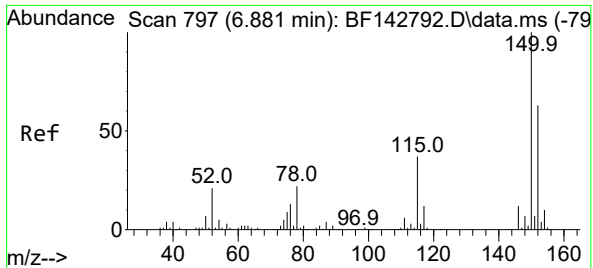
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Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF062525\  
Data File : BF142839.D  
Acq On    : 25 Jun 2025  15:57  
Operator  : RC/JU  
Sample    : PB168601BS  
Misc      :  
ALS Vial  : 7   Sample Multiplier: 1
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Instrument :
BNA_F
ClientSampleId :
PB168601BS

Quant Time: Jun 25 16:17:47 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

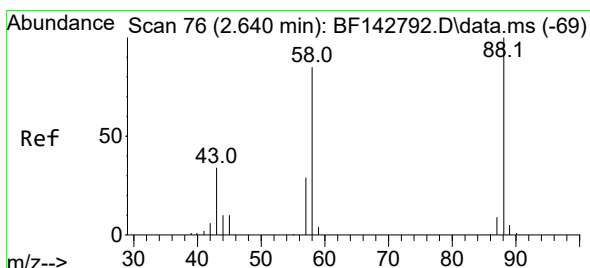
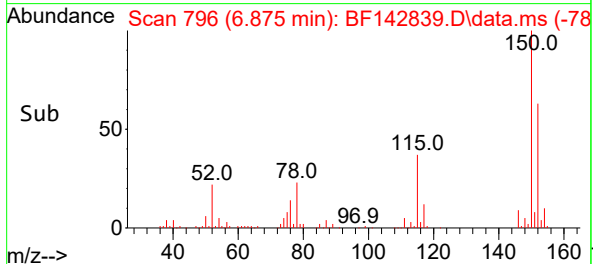
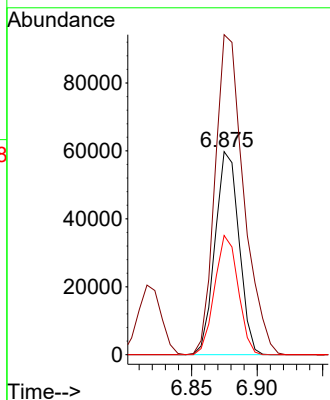
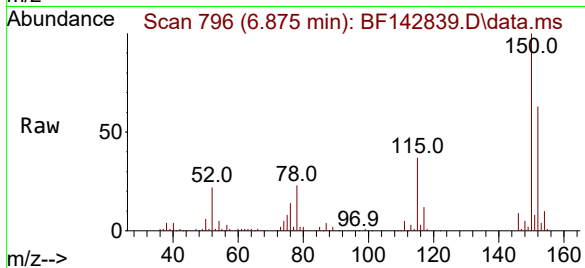




#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.875 min Scan# 79
Delta R.T. -0.006 min
Lab File: BF142839.D
Acq: 25 Jun 2025 15:57

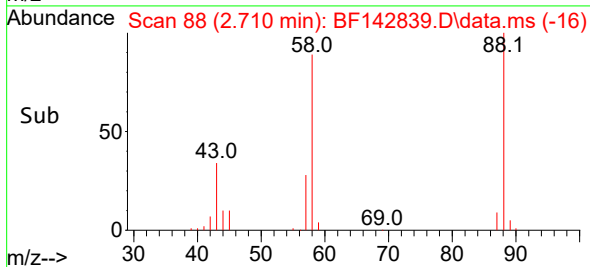
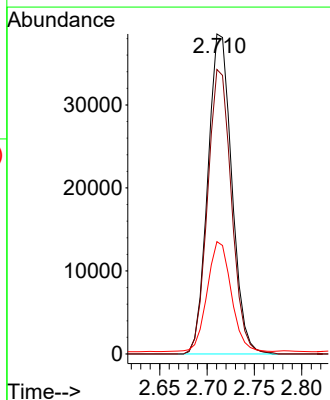
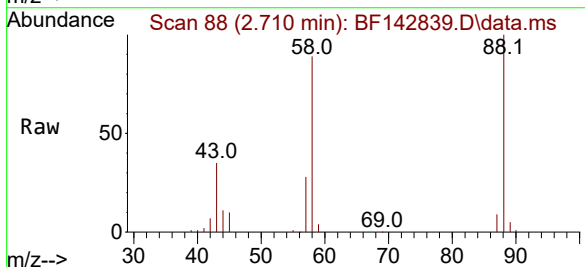
Instrument :
BNA_F
ClientSampleId :
PB168601BS

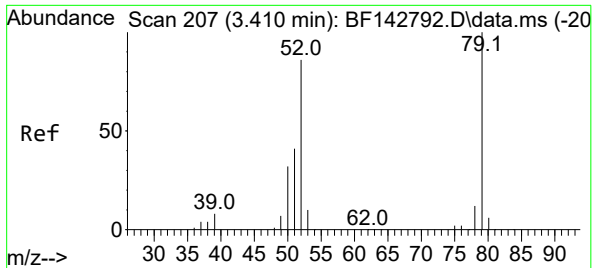
Tgt Ion:152 Resp: 75779
Ion Ratio Lower Upper
152 100
150 157.6 127.2 190.8
115 58.7 46.6 69.8



#2
1,4-Dioxane
Concen: 37.222 ng
RT: 2.710 min Scan# 88
Delta R.T. 0.071 min
Lab File: BF142839.D
Acq: 25 Jun 2025 15:57

Tgt Ion: 88 Resp: 67762
Ion Ratio Lower Upper
88 100
58 88.5 69.1 103.7
43 34.3 27.4 41.2

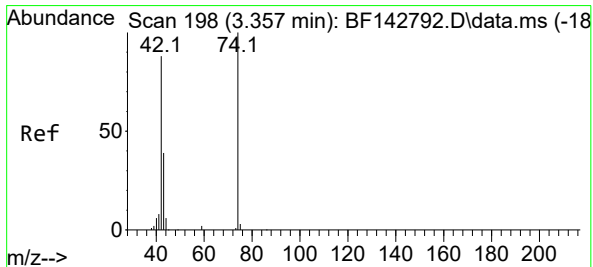
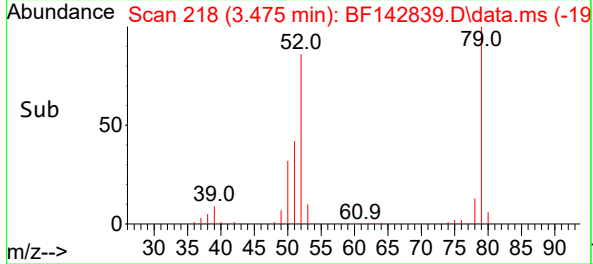
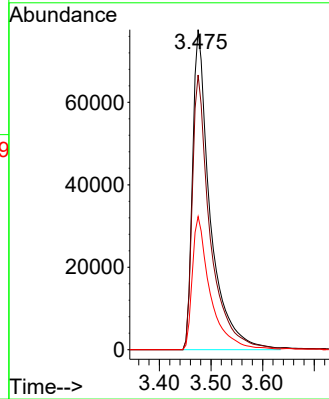
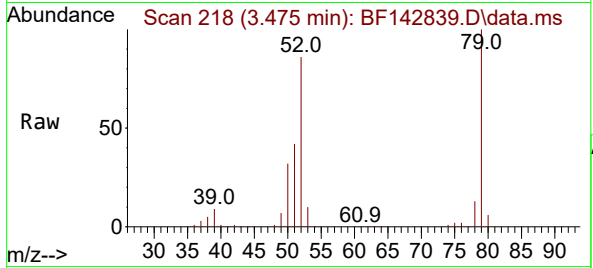




#3
Pyridine
Concen: 40.342 ng
RT: 3.475 min Scan# 210
Delta R.T. 0.065 min
Lab File: BF142839.D
Acq: 25 Jun 2025 15:57

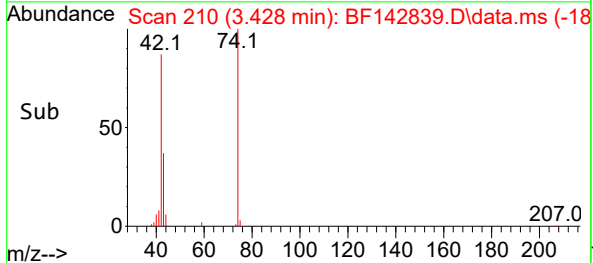
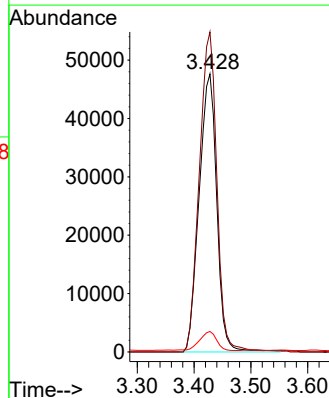
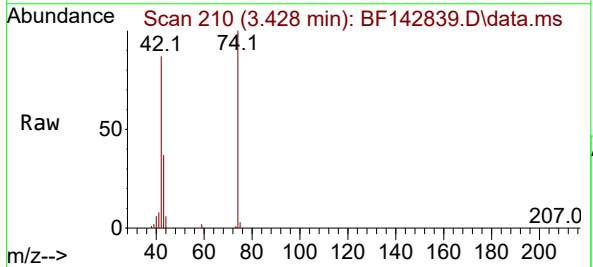
Instrument :
BNA_F
ClientSampleId :
PB168601BS

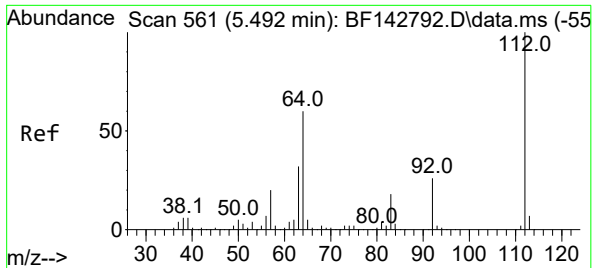
Tgt Ion: 79 Resp: 184116
Ion Ratio Lower Upper
79 100
52 85.8 69.2 103.8
51 41.6 33.2 49.8



#4
n-Nitrosodimethylamine
Concen: 43.561 ng
RT: 3.428 min Scan# 210
Delta R.T. 0.071 min
Lab File: BF142839.D
Acq: 25 Jun 2025 15:57

Tgt Ion: 42 Resp: 102806
Ion Ratio Lower Upper
42 100
74 115.1 90.9 136.3
44 7.4 5.8 8.6

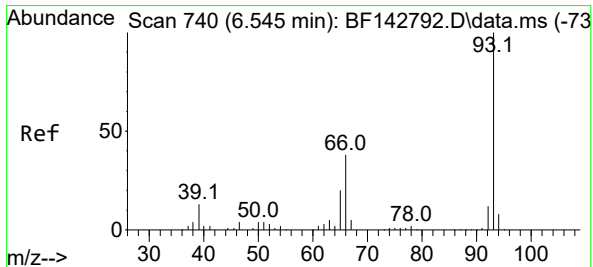
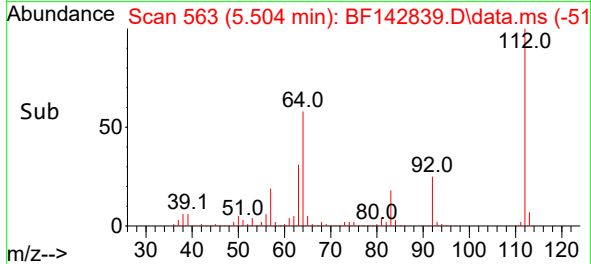
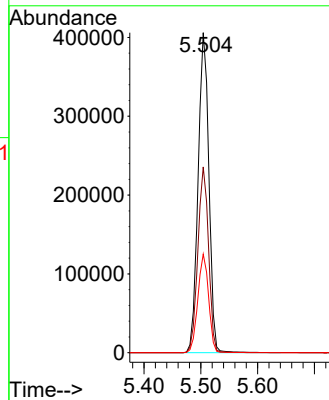
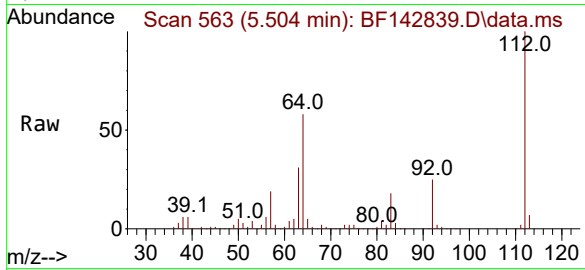




#5
2-Fluorophenol
Concen: 118.141 ng
RT: 5.504 min Scan# 501
Delta R.T. 0.012 min
Lab File: BF142839.D
Acq: 25 Jun 2025 15:57

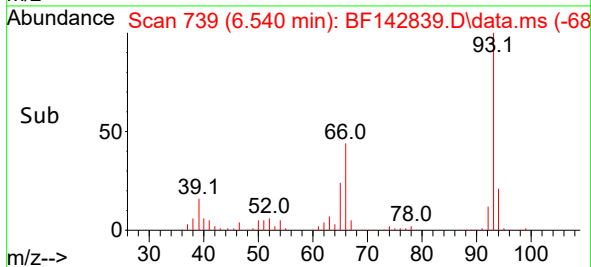
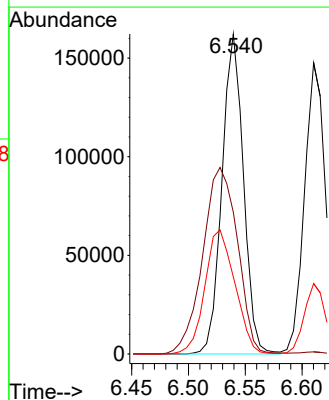
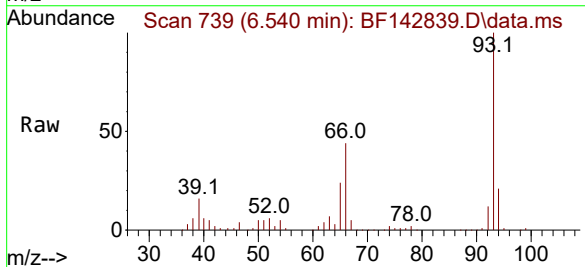
Instrument :
BNA_F
ClientSampleId :
PB168601BS

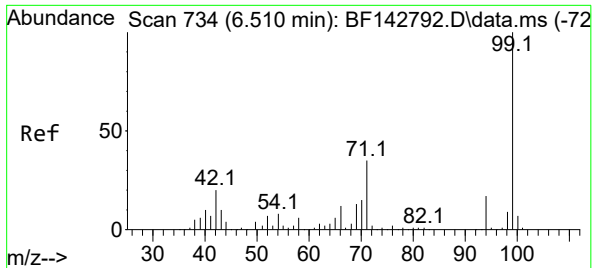
Tgt Ion:112 Resp: 537720
Ion Ratio Lower Upper
112 100
64 58.0 48.2 72.2
63 30.8 25.7 38.5



#6
Aniline
Concen: 29.829 ng
RT: 6.540 min Scan# 739
Delta R.T. -0.006 min
Lab File: BF142839.D
Acq: 25 Jun 2025 15:57

Tgt Ion: 93 Resp: 213128
Ion Ratio Lower Upper
93 100
66 44.3 31.8 47.6
65 24.1 16.2 24.2

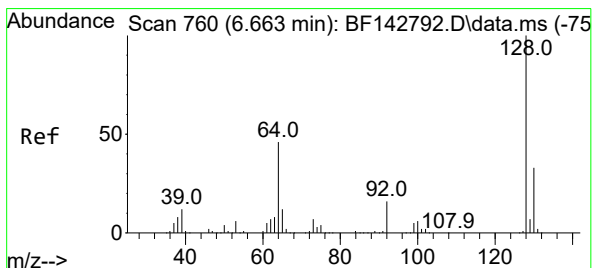
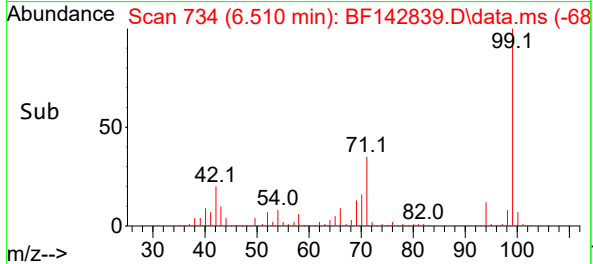
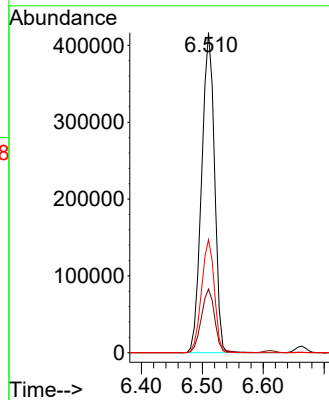
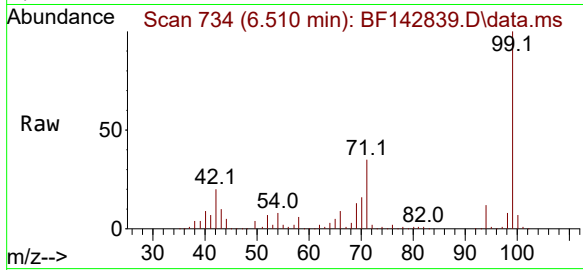




#7
Phenol-d6
Concen: 113.848 ng
RT: 6.510 min Scan# 710
Delta R.T. 0.000 min
Lab File: BF142839.D
Acq: 25 Jun 2025 15:57

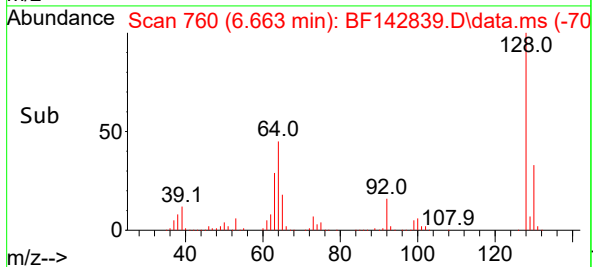
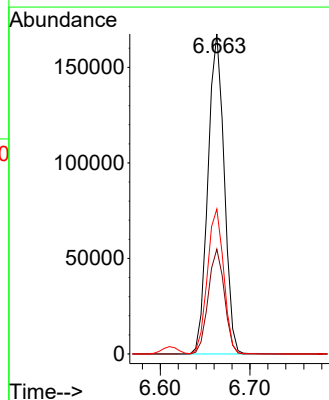
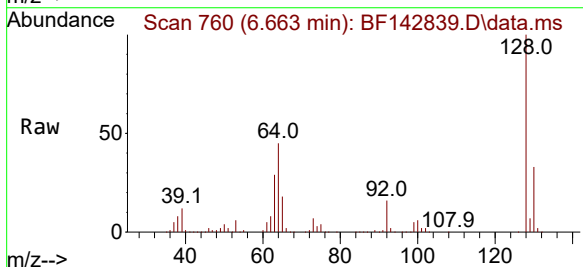
Instrument :
BNA_F
ClientSampleId :
PB168601BS

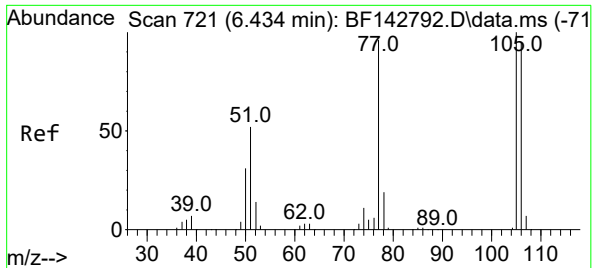
Tgt Ion: 99 Resp: 611348
Ion Ratio Lower Upper
99 100
42 19.9 15.9 23.9
71 35.3 27.8 41.8



#8
2-Chlorophenol
Concen: 42.845 ng
RT: 6.663 min Scan# 760
Delta R.T. 0.000 min
Lab File: BF142839.D
Acq: 25 Jun 2025 15:57

Tgt Ion: 128 Resp: 210361
Ion Ratio Lower Upper
128 100
130 32.8 12.7 52.7
64 45.3 26.5 66.5

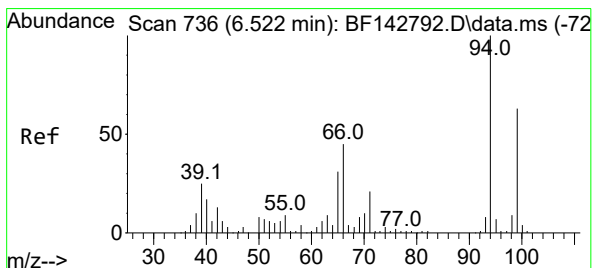
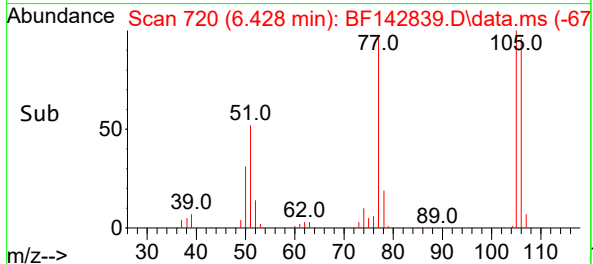
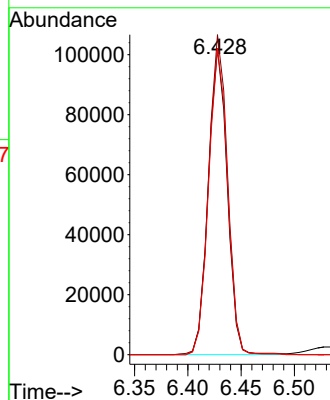
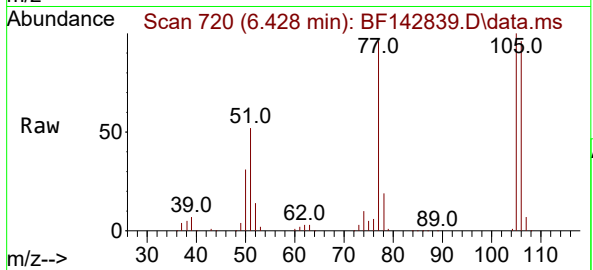




#9
Benzaldehyde
Concen: 39.597 ng
RT: 6.428 min Scan# 721
Delta R.T. -0.006 min
Lab File: BF142839.D
Acq: 25 Jun 2025 15:57

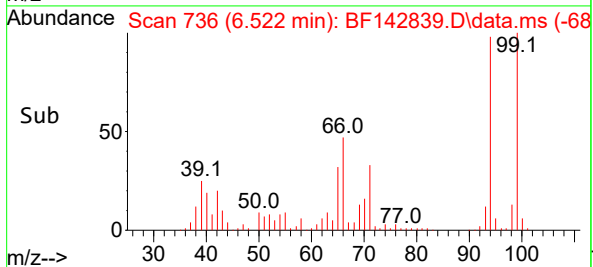
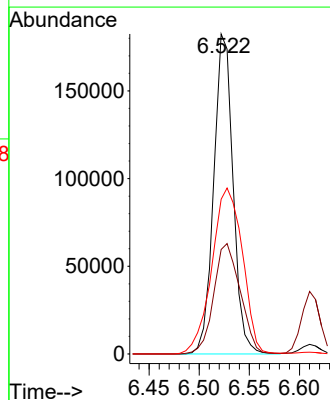
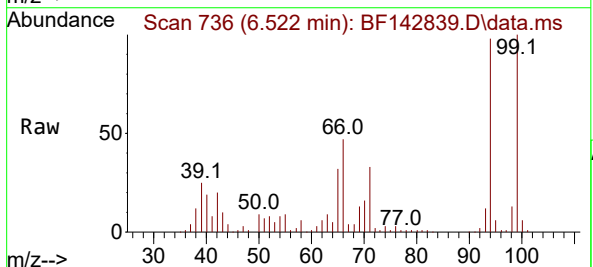
Instrument :
BNA_F
ClientSampleId :
PB168601BS

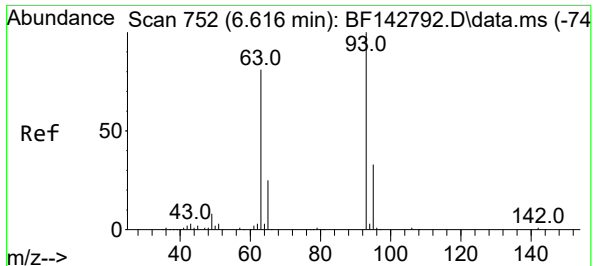
Tgt Ion: 77 Resp: 126150
Ion Ratio Lower Upper
77 100
105 104.6 83.8 123.8
106 100.0 78.7 118.7



#10
Phenol
Concen: 41.062 ng
RT: 6.522 min Scan# 736
Delta R.T. 0.000 min
Lab File: BF142839.D
Acq: 25 Jun 2025 15:57

Tgt Ion: 94 Resp: 245098
Ion Ratio Lower Upper
94 100
65 32.6 11.3 51.3
66 48.4 24.9 64.9

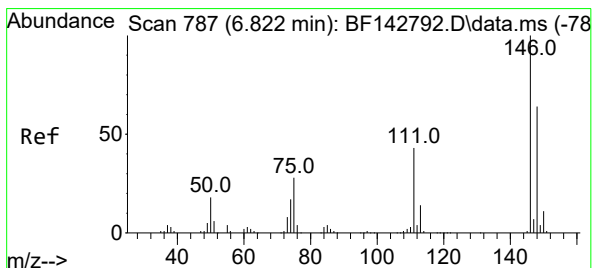
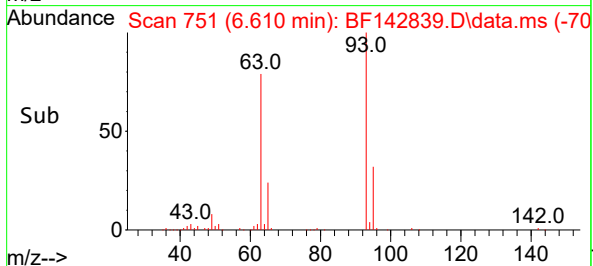
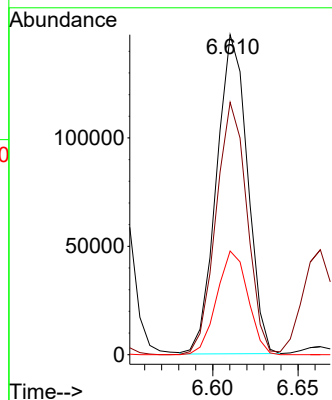
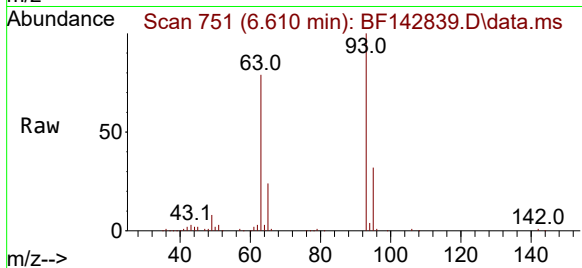




#11
bis(2-Chloroethyl)ether
Concen: 43.666 ng
RT: 6.610 min Scan# 751
Delta R.T. -0.006 min
Lab File: BF142839.D
Acq: 25 Jun 2025 15:57

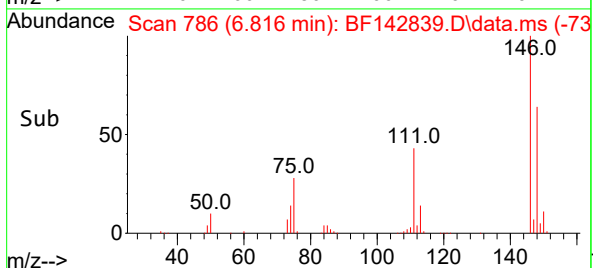
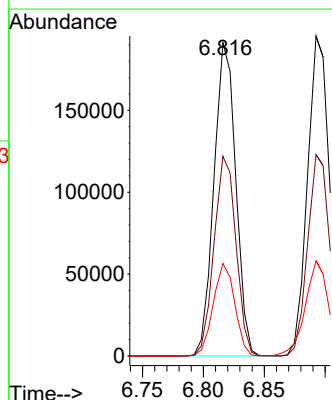
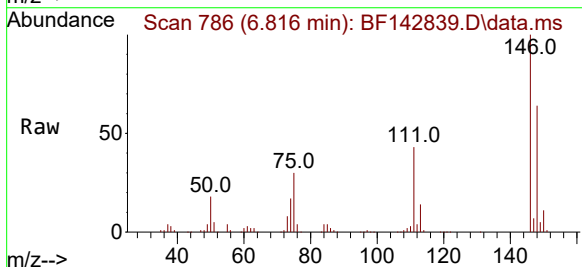
Instrument :
BNA_F
ClientSampleId :
PB168601BS

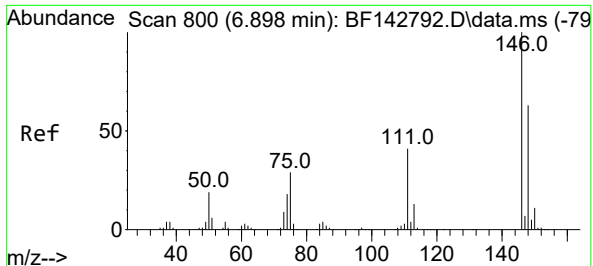
Tgt Ion: 93 Resp: 186285
Ion Ratio Lower Upper
93 100
63 78.9 60.3 100.3
95 32.4 12.5 52.5



#12
1,3-Dichlorobenzene
Concen: 43.433 ng
RT: 6.816 min Scan# 786
Delta R.T. -0.006 min
Lab File: BF142839.D
Acq: 25 Jun 2025 15:57

Tgt Ion:146 Resp: 238490
Ion Ratio Lower Upper
146 100
148 63.7 51.1 76.7
75 29.5 22.7 34.1





#13

1,4-Dichlorobenzene

Concen: 43.918 ng

RT: 6.892 min Scan# 79

Delta R.T. -0.006 min

Lab File: BF142839.D

Acq: 25 Jun 2025 15:57

Instrument :

BNA_F

ClientSampleId :

PB168601BS

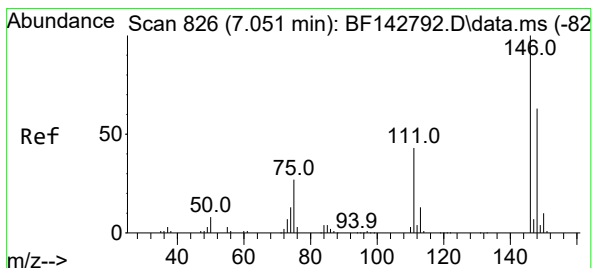
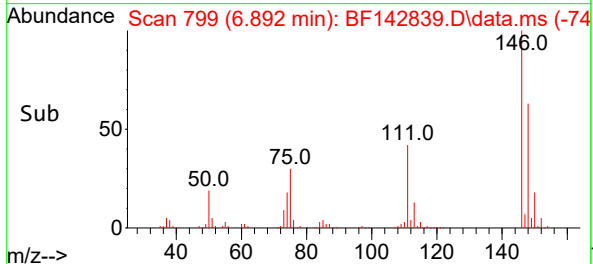
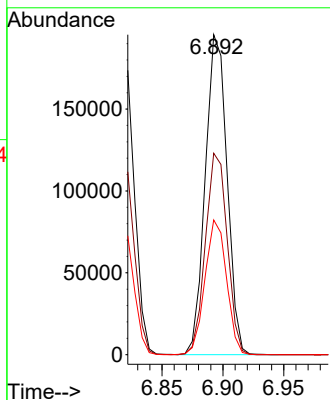
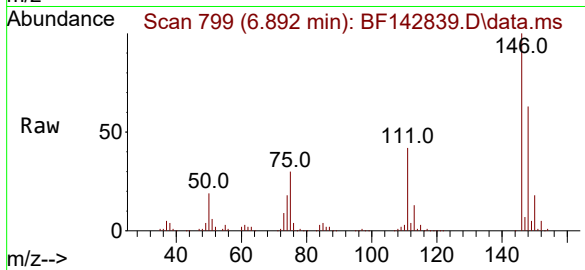
Tgt Ion:146 Resp: 243305

Ion Ratio Lower Upper

146 100

148 63.0 50.2 75.2

111 42.1 33.2 49.8



#14

1,2-Dichlorobenzene

Concen: 44.048 ng

RT: 7.045 min Scan# 825

Delta R.T. -0.006 min

Lab File: BF142839.D

Acq: 25 Jun 2025 15:57

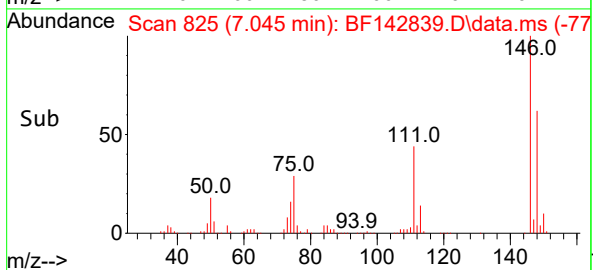
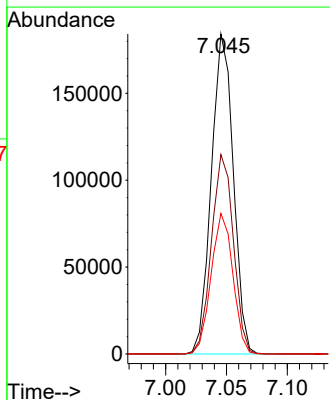
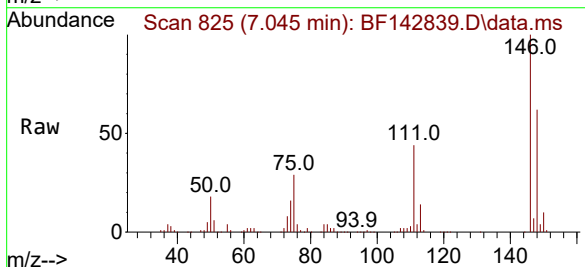
Tgt Ion:146 Resp: 231457

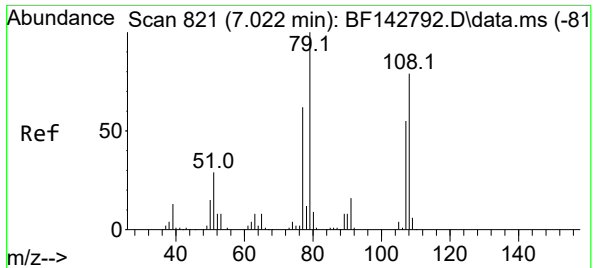
Ion Ratio Lower Upper

146 100

148 62.3 50.4 75.6

111 43.9 34.1 51.1





#15

Benzyl Alcohol

Concen: 41.977 ng

RT: 7.022 min Scan# 81

Delta R.T. 0.000 min

Lab File: BF142839.D

Acq: 25 Jun 2025 15:57

Instrument :

BNA_F

ClientSampleId :

PB168601BS

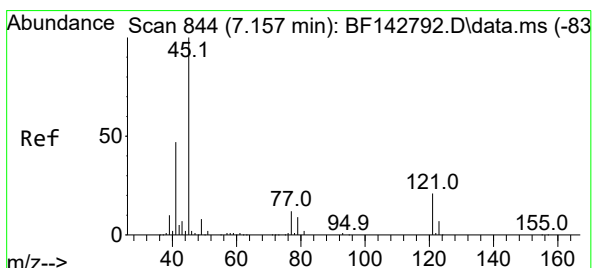
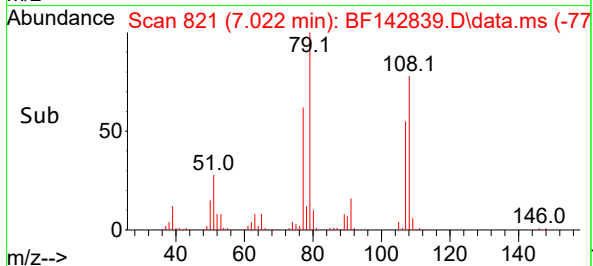
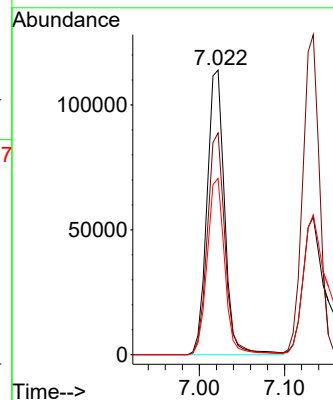
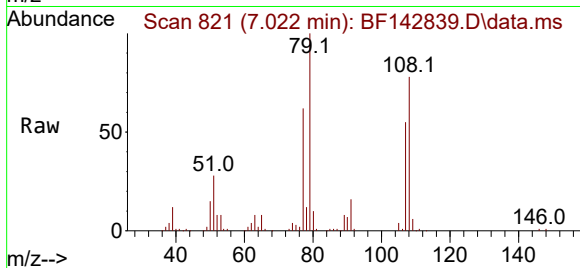
Tgt Ion: 79 Resp: 162957

Ion Ratio Lower Upper

79 100

108 77.9 63.4 95.0

77 61.9 49.5 74.3



#16

2,2'-oxybis(1-chloropropane)

Concen: 42.514 ng

RT: 7.151 min Scan# 843

Delta R.T. -0.006 min

Lab File: BF142839.D

Acq: 25 Jun 2025 15:57

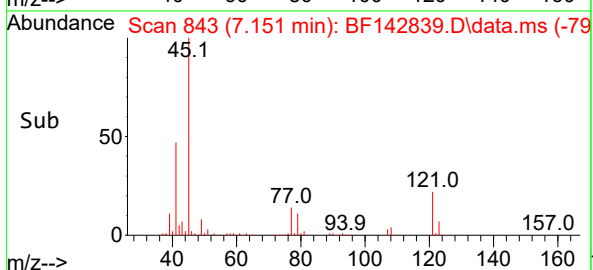
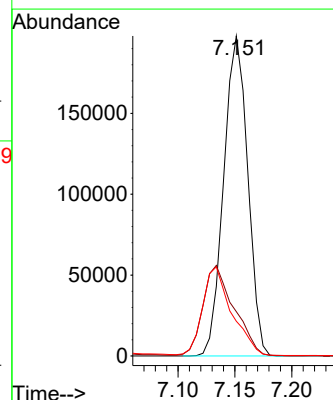
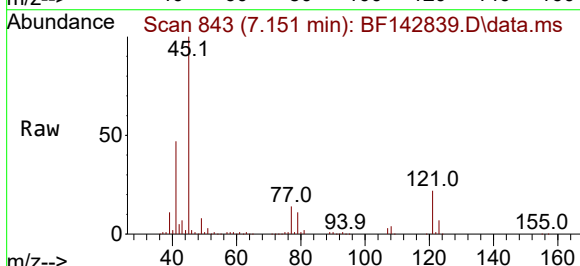
Tgt Ion: 45 Resp: 291399

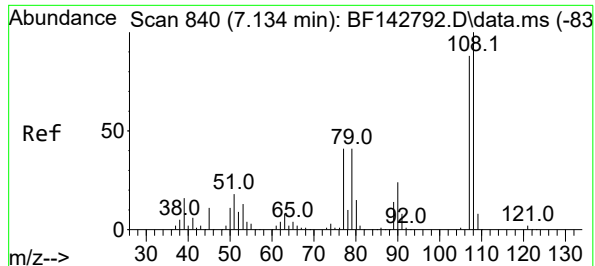
Ion Ratio Lower Upper

45 100

77 13.9 0.0 32.8

79 10.8 0.0 29.8

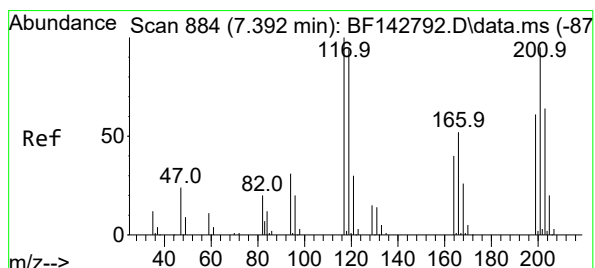
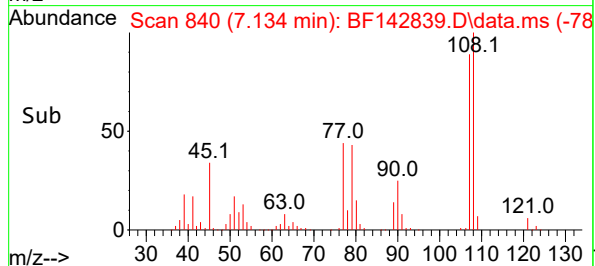
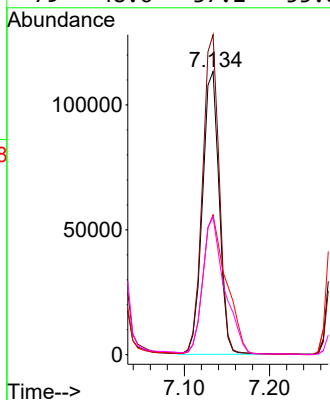
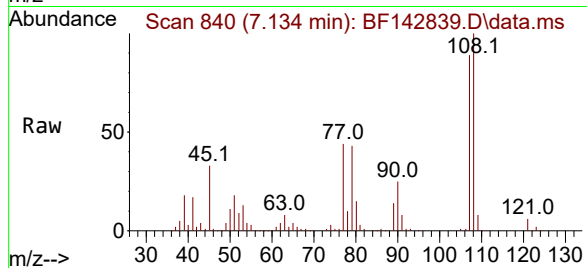




#17
2-Methylphenol
Concen: 41.547 ng
RT: 7.134 min Scan# 840
Delta R.T. 0.000 min
Lab File: BF142839.D
Acq: 25 Jun 2025 15:57

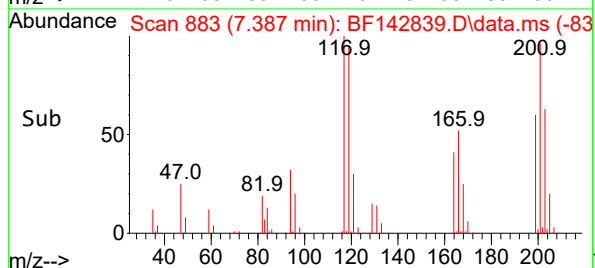
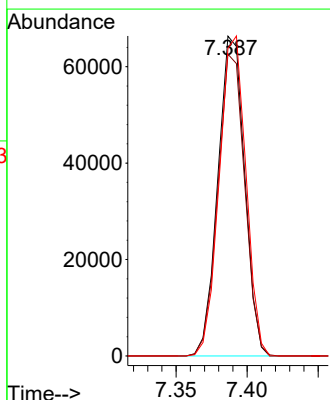
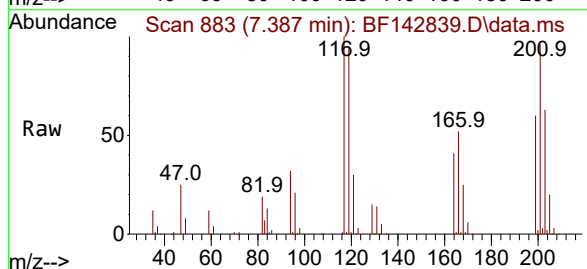
Instrument :
BNA_F
ClientSampleId :
PB168601BS

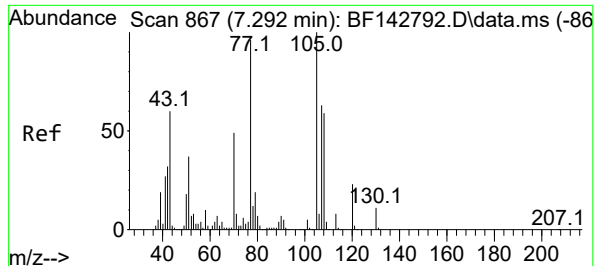
Tgt Ion:107 Resp: 154584
Ion Ratio Lower Upper
107 100
108 113.0 90.9 136.3
77 49.4 37.3 55.9
79 48.6 37.2 55.8



#18
Hexachloroethane
Concen: 44.785 ng
RT: 7.387 min Scan# 883
Delta R.T. -0.006 min
Lab File: BF142839.D
Acq: 25 Jun 2025 15:57

Tgt Ion:117 Resp: 86781
Ion Ratio Lower Upper
117 100
119 94.3 75.4 113.0
201 96.1 75.9 113.9





#19

n-Nitroso-di-n-propylamine

Concen: 42.827 ng

RT: 7.287 min Scan# 866

Delta R.T. -0.006 min

Lab File: BF142839.D

Acq: 25 Jun 2025 15:57

Instrument :

BNA_F

ClientSampleId :

PB168601BS

Tgt Ion: 70 Resp: 133756

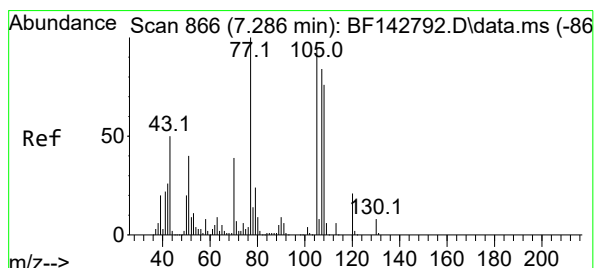
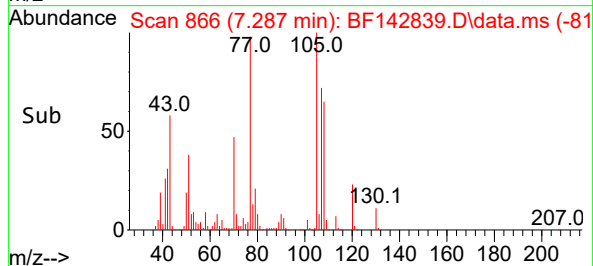
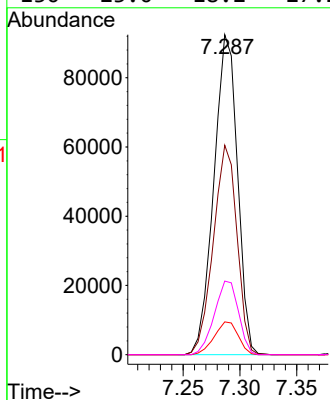
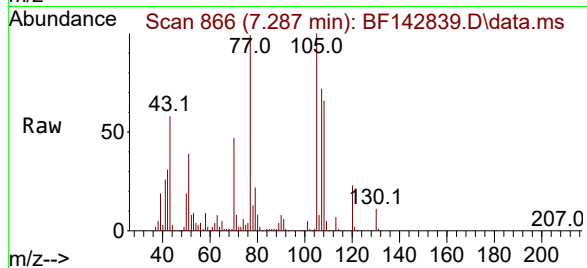
Ion Ratio Lower Upper

70 100

42 65.5 52.1 78.1

101 10.2 8.2 12.2

130 23.0 18.2 27.2



#20

3+4-Methylphenols

Concen: 41.251 ng

RT: 7.287 min Scan# 866

Delta R.T. 0.000 min

Lab File: BF142839.D

Acq: 25 Jun 2025 15:57

Tgt Ion:107 Resp: 191364

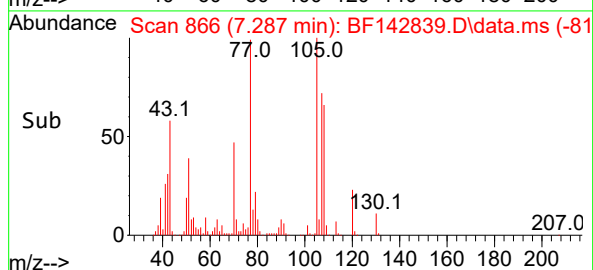
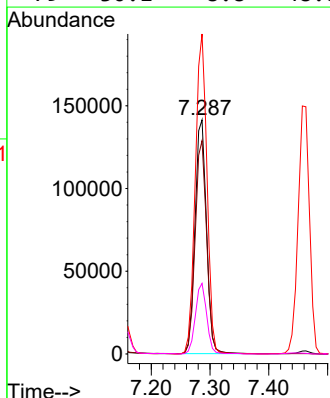
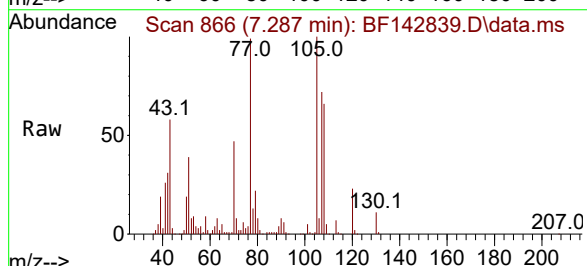
Ion Ratio Lower Upper

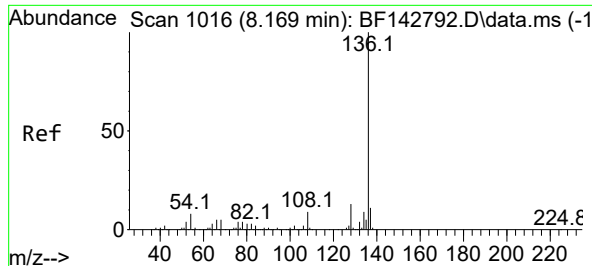
107 100

108 91.1 70.0 110.0

77 136.7 98.5 138.5

79 30.1 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: BF142839.D

Acq: 25 Jun 2025 15:57

Instrument :

BNA_F

ClientSampleId :

PB168601BS

Tgt Ion:136 Resp: 274808

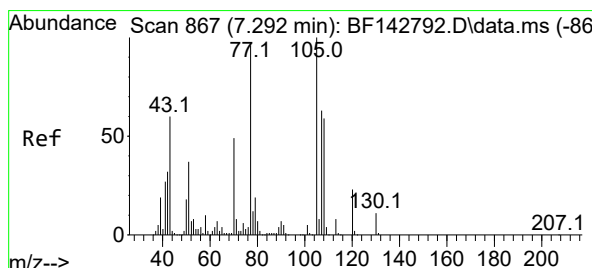
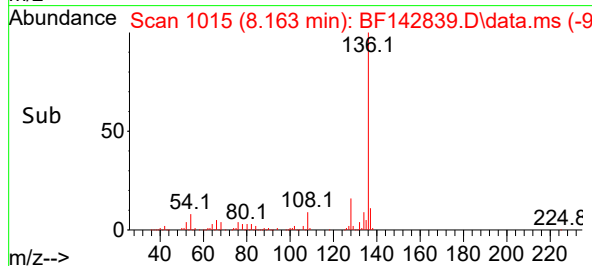
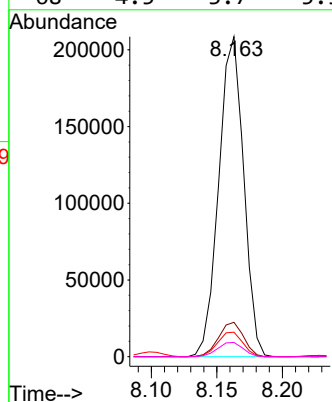
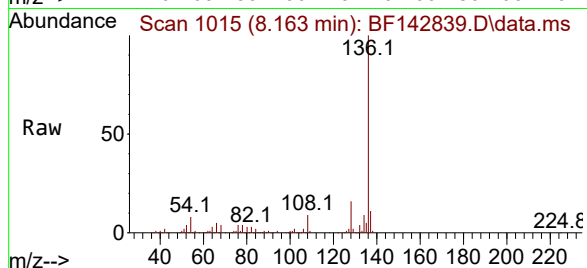
Ion Ratio Lower Upper

136 100

137 10.7 8.4 12.6

54 7.7 6.3 9.5

68 4.5 3.7 5.5



#22

Acetophenone

Concen: 44.614 ng

RT: 7.287 min Scan# 866

Delta R.T. -0.006 min

Lab File: BF142839.D

Acq: 25 Jun 2025 15:57

Tgt Ion:105 Resp: 270364

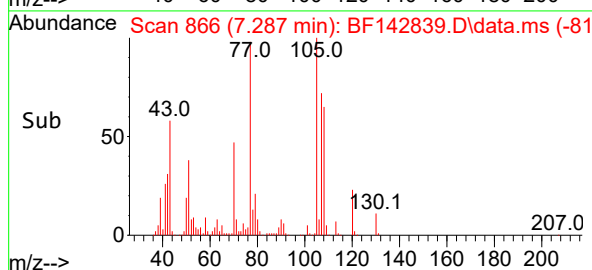
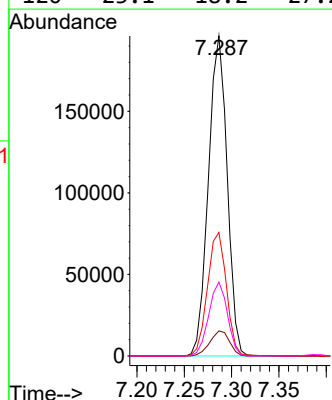
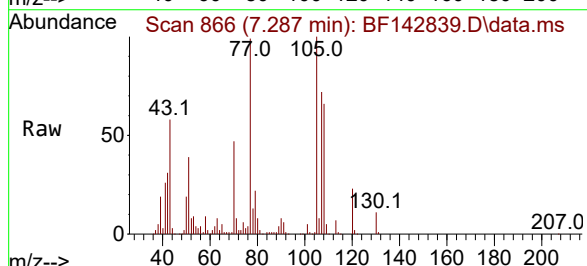
Ion Ratio Lower Upper

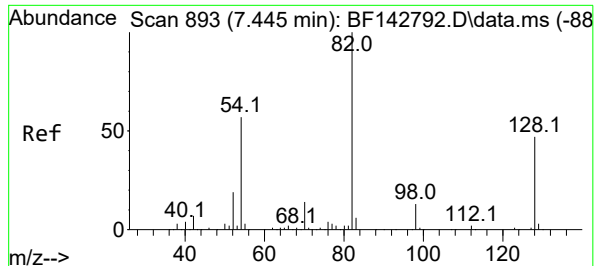
105 100

71 7.9 6.5 9.7

51 38.6 29.8 44.8

120 23.1 18.2 27.2





#23

Nitrobenzene-d5

Concen: 77.075 ng

RT: 7.439 min Scan# 891

Delta R.T. -0.006 min

Lab File: BF142839.D

Acq: 25 Jun 2025 15:57

Instrument :

BNA_F

ClientSampleId :

PB168601BS

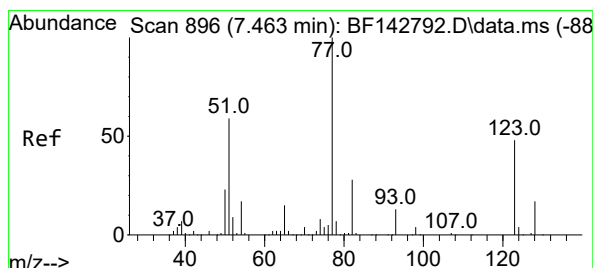
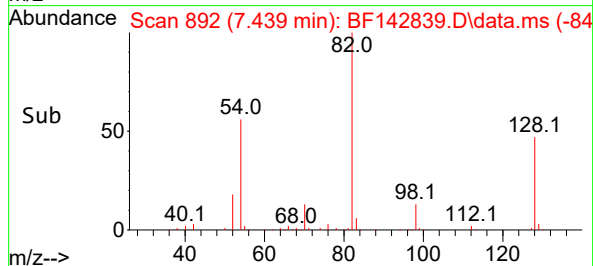
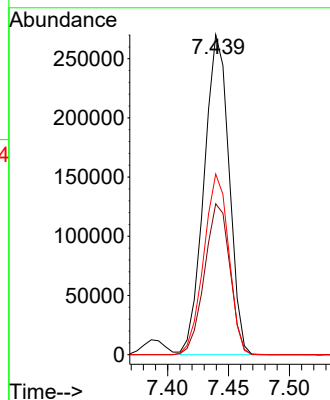
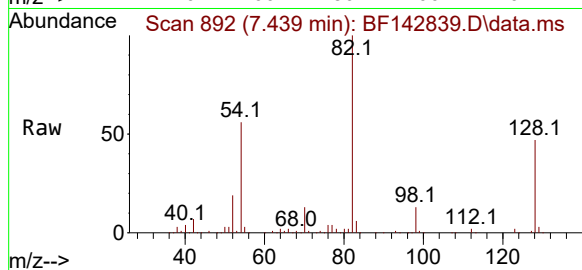
Tgt Ion: 82 Resp: 386152

Ion Ratio Lower Upper

82 100

128 47.2 37.7 56.5

54 56.5 45.7 68.5



#24

Nitrobenzene

Concen: 44.544 ng

RT: 7.457 min Scan# 895

Delta R.T. -0.006 min

Lab File: BF142839.D

Acq: 25 Jun 2025 15:57

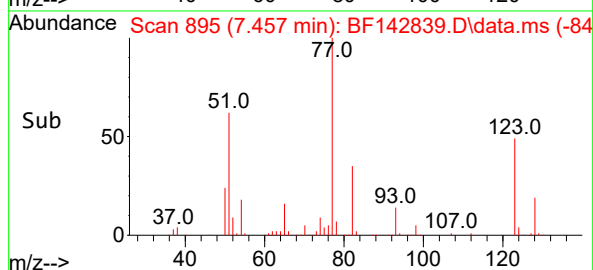
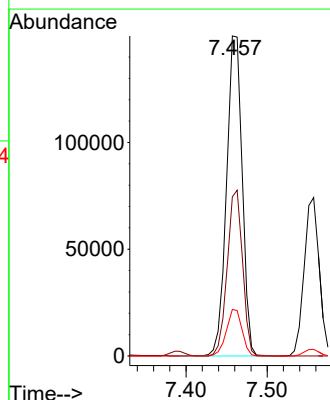
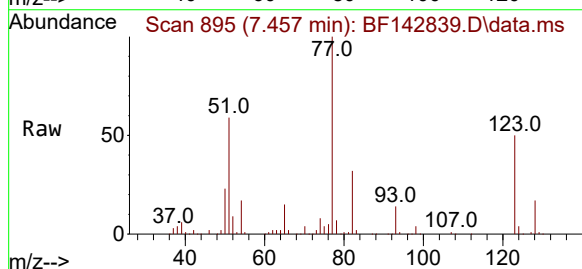
Tgt Ion: 77 Resp: 201988

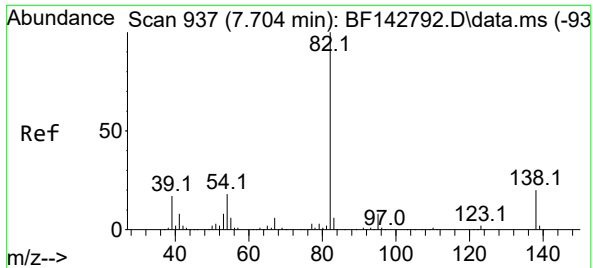
Ion Ratio Lower Upper

77 100

123 49.7 39.2 58.8

65 14.5 11.6 17.4

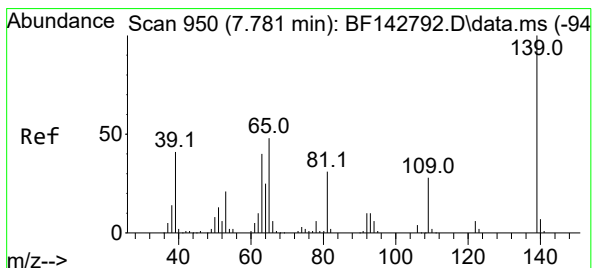
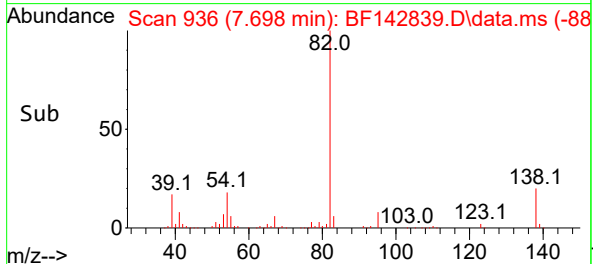
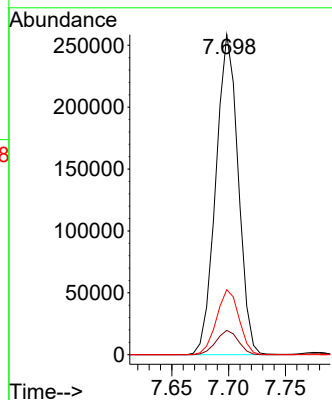
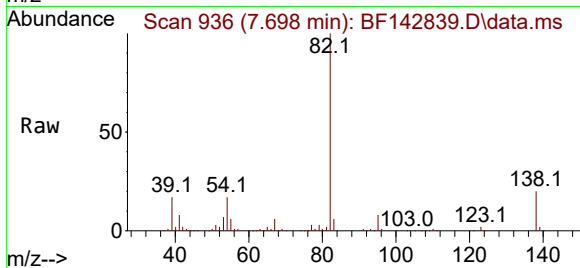




#25
Isophorone
Concen: 44.101 ng
RT: 7.698 min Scan# 91
Delta R.T. -0.006 min
Lab File: BF142839.D
Acq: 25 Jun 2025 15:57

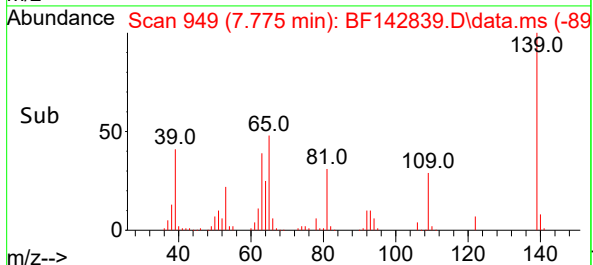
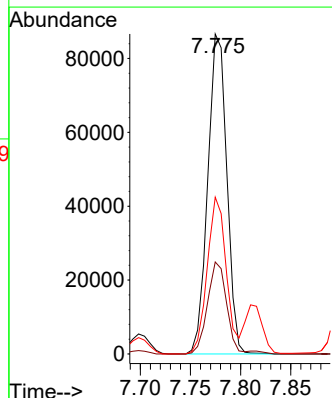
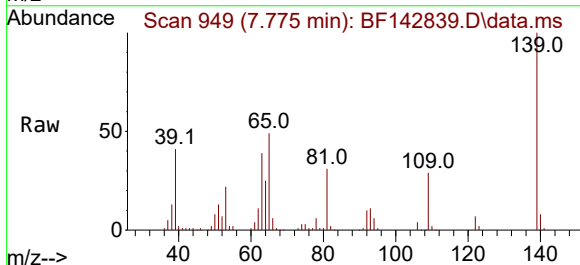
Instrument :
BNA_F
ClientSampleId :
PB168601BS

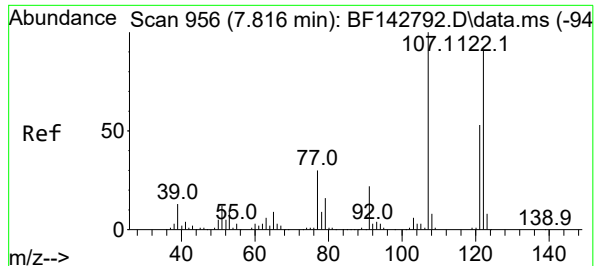
Tgt Ion: 82 Resp: 354436
Ion Ratio Lower Upper
82 100
95 7.6 6.2 9.2
138 20.3 16.2 24.4



#26
2-Nitrophenol
Concen: 46.450 ng
RT: 7.775 min Scan# 949
Delta R.T. -0.006 min
Lab File: BF142839.D
Acq: 25 Jun 2025 15:57

Tgt Ion: 139 Resp: 114740
Ion Ratio Lower Upper
139 100
109 28.8 22.7 34.1
65 49.0 38.6 58.0





#27

2,4-Dimethylphenol

Concen: 42.978 ng

RT: 7.816 min Scan# 91

Delta R.T. 0.000 min

Lab File: BF142839.D

Acq: 25 Jun 2025 15:57

Instrument :

BNA_F

ClientSampleId :

PB168601BS

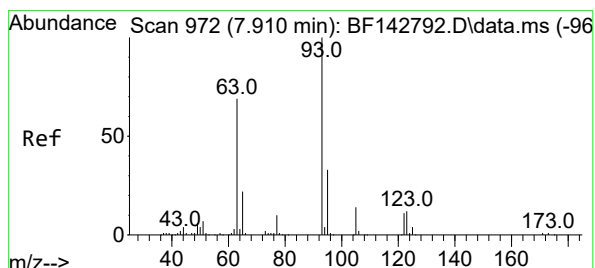
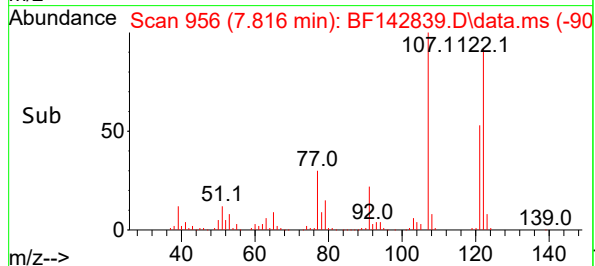
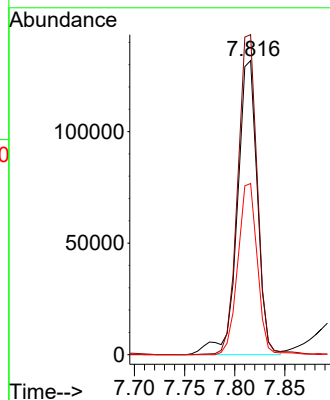
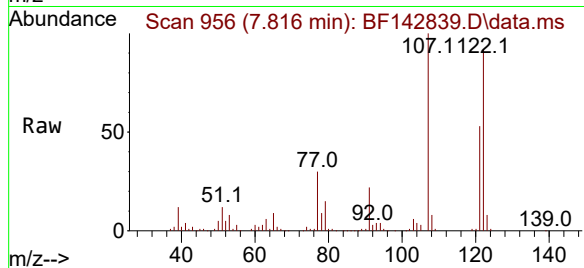
Tgt Ion:122 Resp: 183895

Ion Ratio Lower Upper

122 100

107 108.8 88.0 132.0

121 58.2 46.3 69.5



#28

bis(2-Chloroethoxy)methane

Concen: 44.411 ng

RT: 7.910 min Scan# 972

Delta R.T. 0.000 min

Lab File: BF142839.D

Acq: 25 Jun 2025 15:57

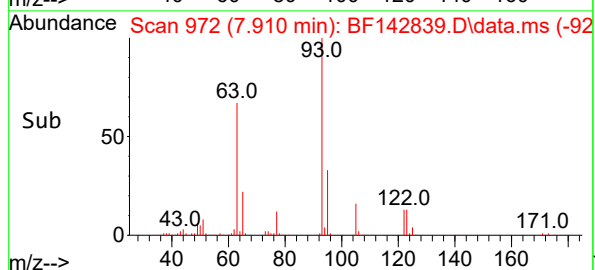
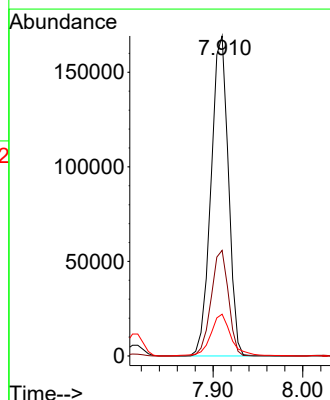
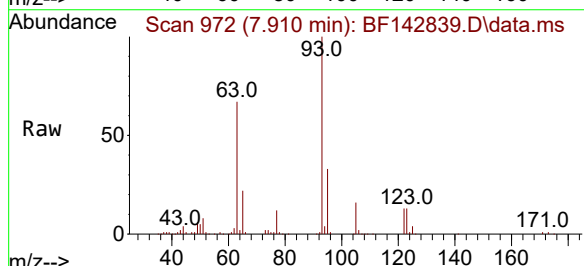
Tgt Ion: 93 Resp: 226918

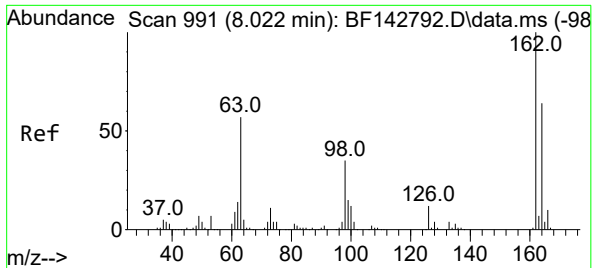
Ion Ratio Lower Upper

93 100

95 33.0 26.2 39.2

123 13.0 9.9 14.9





#29

2,4-Dichlorophenol

Concen: 43.179 ng

RT: 8.022 min Scan# 991

Delta R.T. 0.000 min

Lab File: BF142839.D

Acq: 25 Jun 2025 15:57

Instrument :

BNA_F

ClientSampleId :

PB168601BS

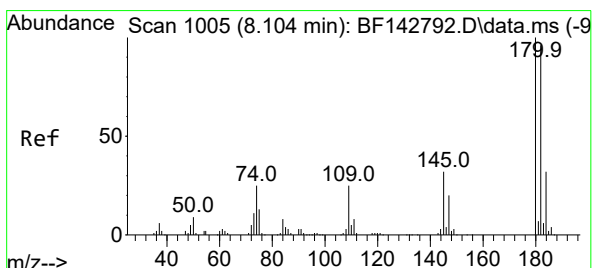
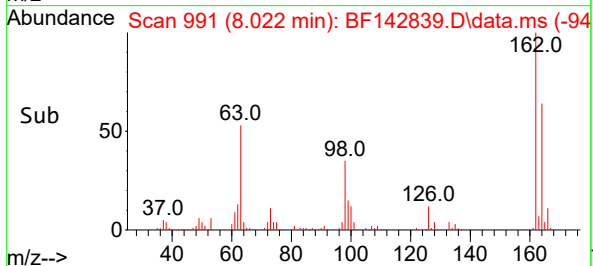
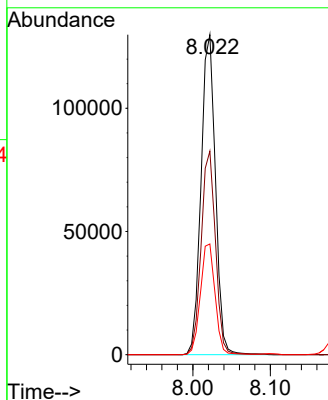
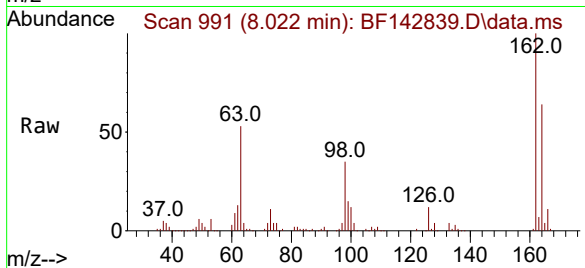
Tgt Ion:162 Resp: 167520

Ion Ratio Lower Upper

162 100

164 63.6 44.0 84.0

98 34.6 15.4 55.4



#30

1,2,4-Trichlorobenzene

Concen: 45.168 ng

RT: 8.104 min Scan# 1005

Delta R.T. 0.000 min

Lab File: BF142839.D

Acq: 25 Jun 2025 15:57

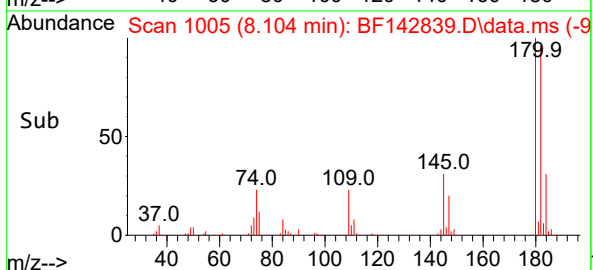
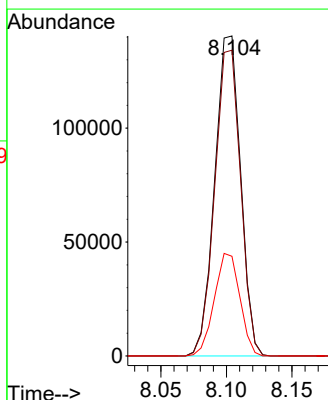
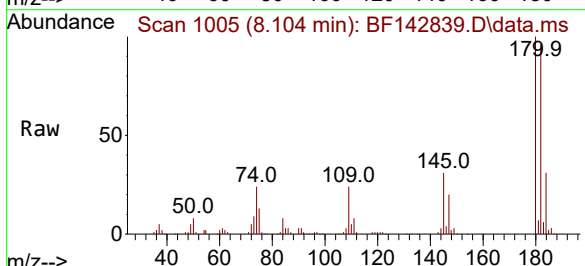
Tgt Ion:180 Resp: 192694

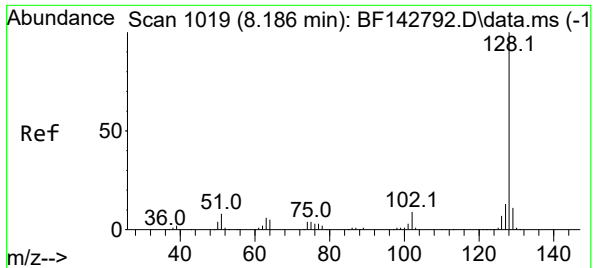
Ion Ratio Lower Upper

180 100

182 95.5 76.4 114.6

145 31.2 25.8 38.8





#31

Naphthalene

Concen: 44.578 ng

RT: 8.181 min Scan# 1019

Delta R.T. -0.006 min

Lab File: BF142839.D

Acq: 25 Jun 2025 15:57

Instrument :

BNA_F

ClientSampleId :

PB168601BS

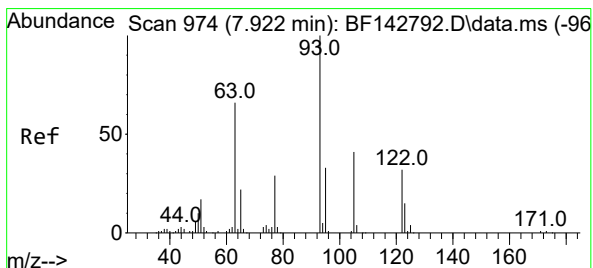
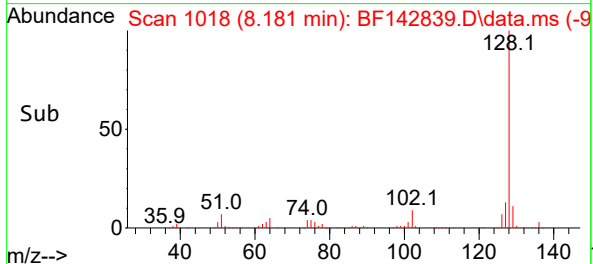
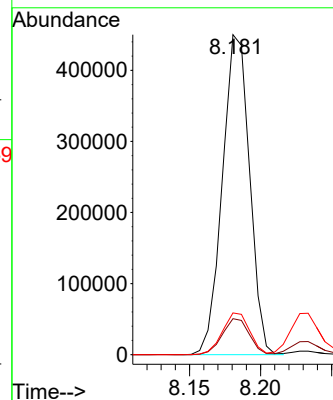
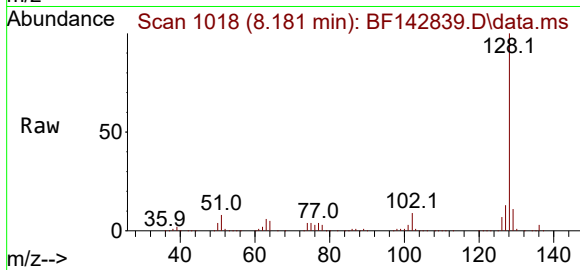
Tgt Ion:128 Resp: 599634

Ion Ratio Lower Upper

128 100

129 11.3 8.9 13.3

127 13.1 10.4 15.6



#32

Benzoic acid

Concen: 44.876 ng

RT: 7.928 min Scan# 975

Delta R.T. 0.006 min

Lab File: BF142839.D

Acq: 25 Jun 2025 15:57

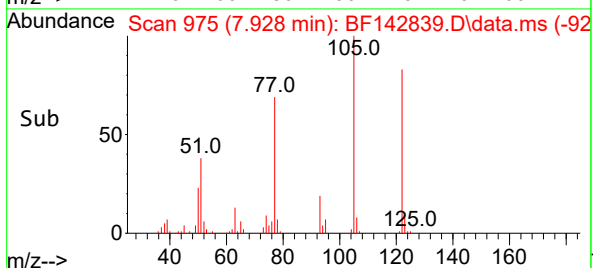
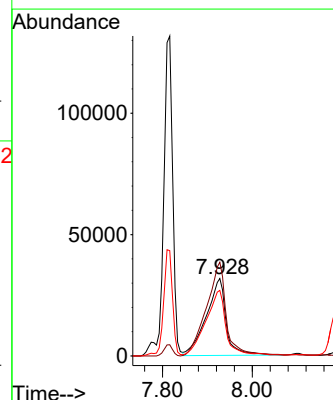
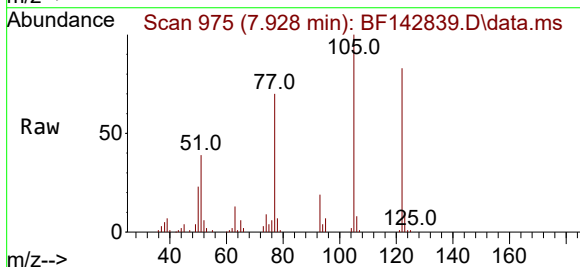
Tgt Ion:122 Resp: 97867

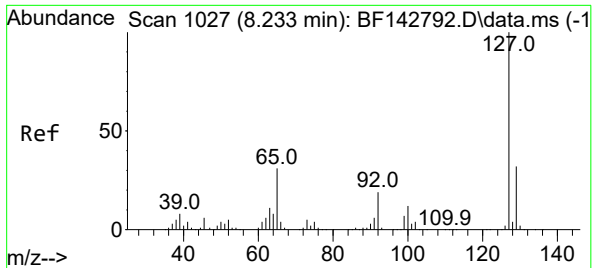
Ion Ratio Lower Upper

122 100

105 121.1 104.7 144.7

77 84.8 70.2 110.2





#33

4-Chloroaniline

Concen: 16.964 ng

RT: 8.234 min Scan# 1027

Delta R.T. 0.000 min

Lab File: BF142839.D

Acq: 25 Jun 2025 15:57

Instrument :

BNA_F

ClientSampleId :

PB168601BS

Tgt Ion:127 Resp: 92787

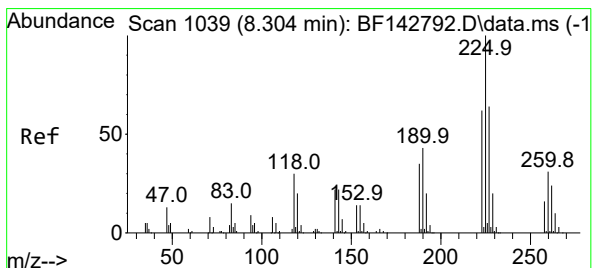
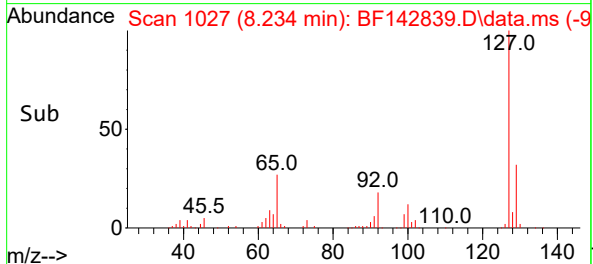
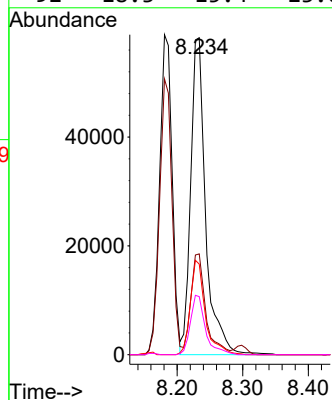
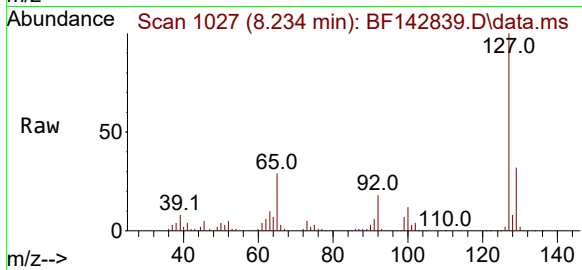
Ion Ratio Lower Upper

127 100

129 31.8 25.9 38.9

65 28.6 24.6 36.8

92 18.3 15.4 23.0



#34

Hexachlorobutadiene

Concen: 46.269 ng

RT: 8.298 min Scan# 1038

Delta R.T. -0.006 min

Lab File: BF142839.D

Acq: 25 Jun 2025 15:57

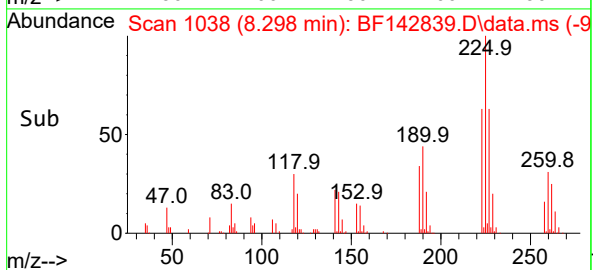
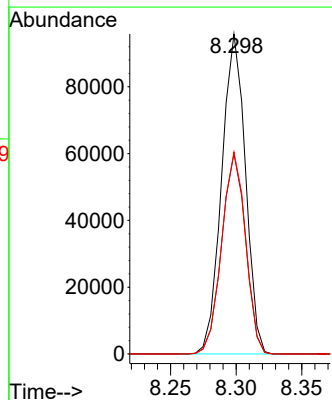
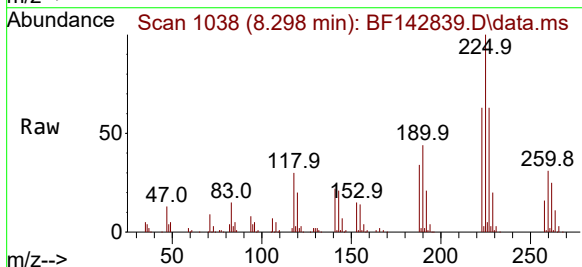
Tgt Ion:225 Resp: 120739

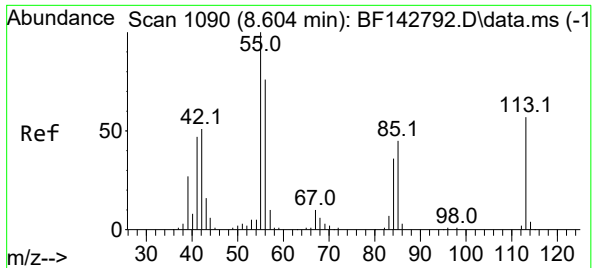
Ion Ratio Lower Upper

225 100

223 62.5 49.9 74.9

227 63.1 51.4 77.0

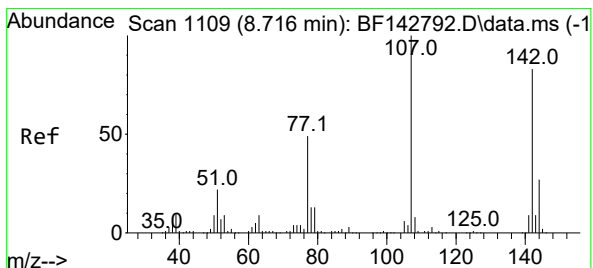
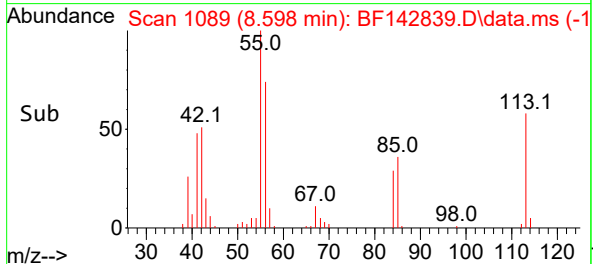
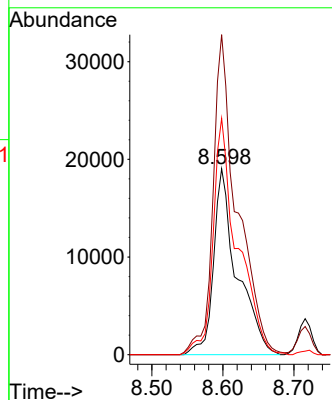
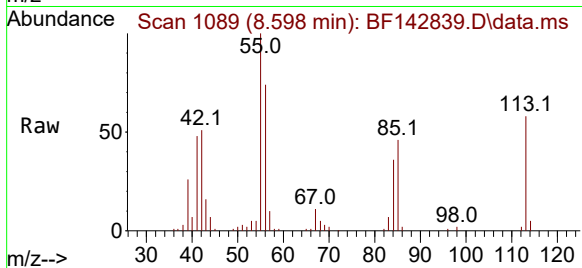




#35
Caprolactam
Concen: 42.830 ng
RT: 8.598 min Scan# 1089
Delta R.T. -0.006 min
Lab File: BF142839.D
Acq: 25 Jun 2025 15:57

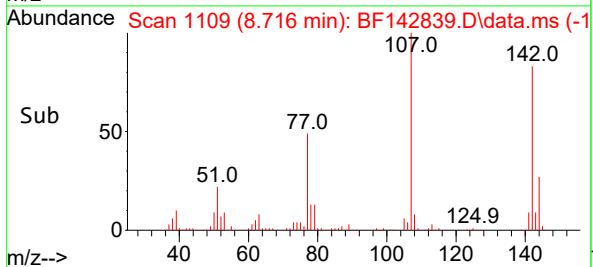
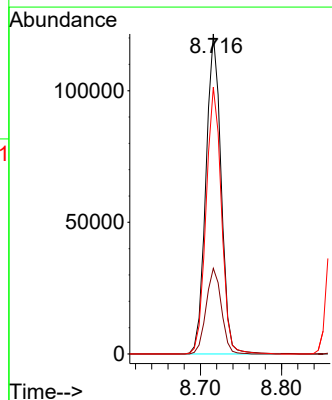
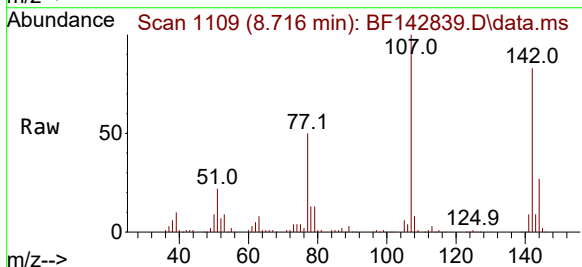
Instrument :
BNA_F
ClientSampleId :
PB168601BS

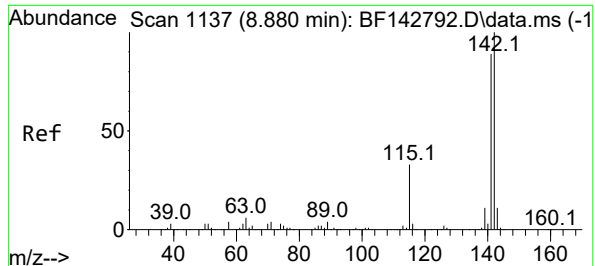
Tgt Ion:113 Resp: 43848
Ion Ratio Lower Upper
113 100
55 172.1 154.4 194.4
56 127.2 112.1 152.1



#36
4-Chloro-3-methylphenol
Concen: 40.867 ng
RT: 8.716 min Scan# 1109
Delta R.T. 0.000 min
Lab File: BF142839.D
Acq: 25 Jun 2025 15:57

Tgt Ion:107 Resp: 157573
Ion Ratio Lower Upper
107 100
144 26.7 21.3 31.9
142 83.4 66.6 100.0





#37

2-Methylnaphthalene

Concen: 43.440 ng

RT: 8.875 min Scan# 1136

Delta R.T. -0.006 min

Lab File: BF142839.D

Acq: 25 Jun 2025 15:57

Instrument :

BNA_F

ClientSampleId :

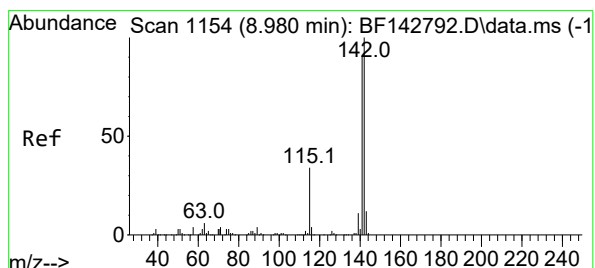
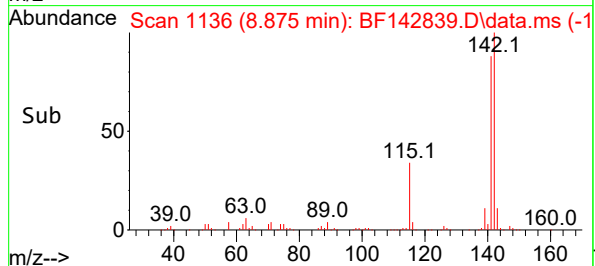
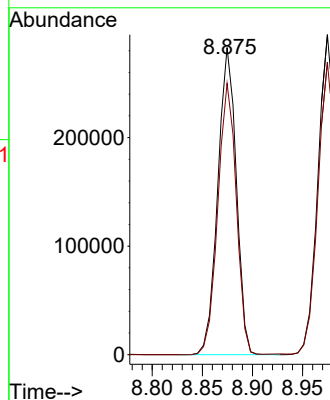
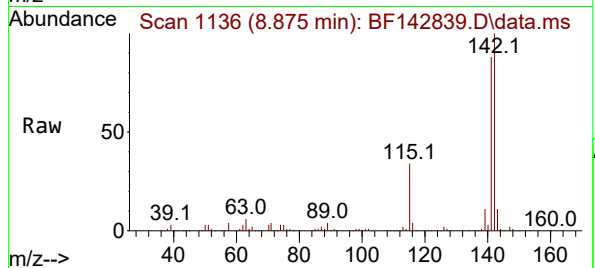
PB168601BS

Tgt Ion:142 Resp: 362264

Ion Ratio Lower Upper

142 100

141 88.4 70.9 106.3



#38

1-Methylnaphthalene

Concen: 43.258 ng

RT: 8.975 min Scan# 1153

Delta R.T. -0.006 min

Lab File: BF142839.D

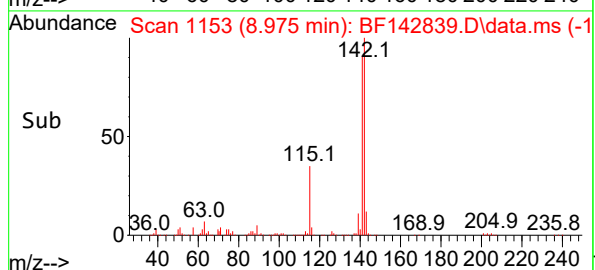
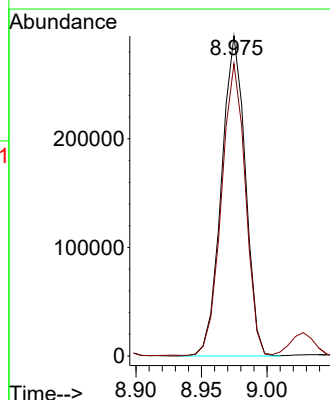
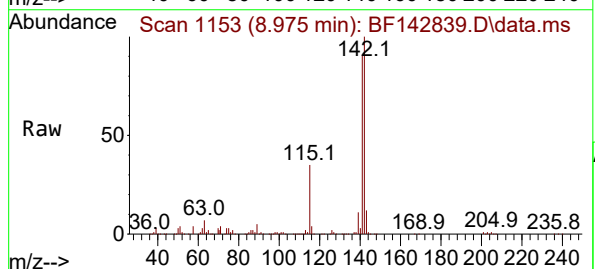
Acq: 25 Jun 2025 15:57

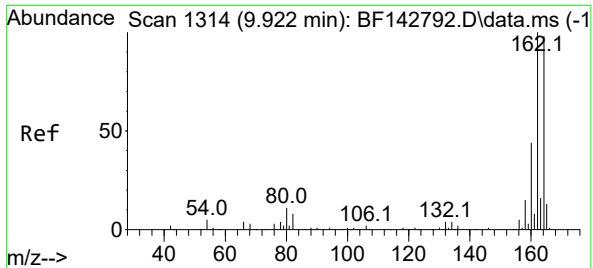
Tgt Ion:142 Resp: 373442

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: BF142839.D

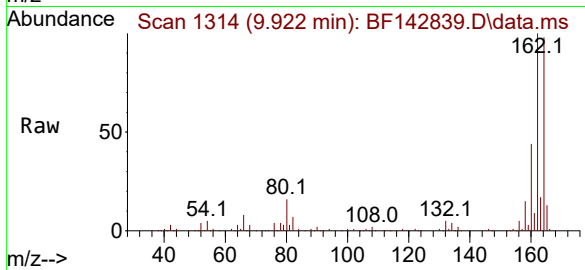
Acq: 25 Jun 2025 15:57

Instrument :

BNA_F

ClientSampleId :

PB168601BS



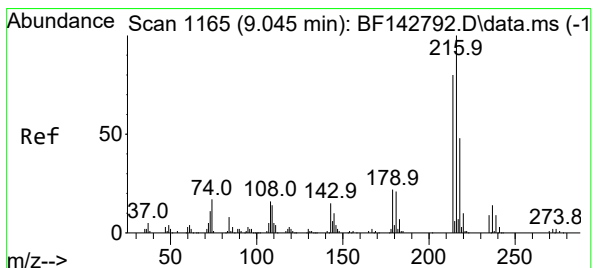
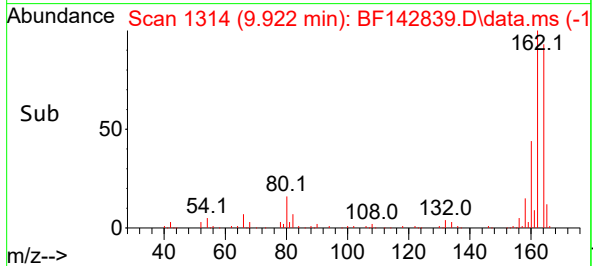
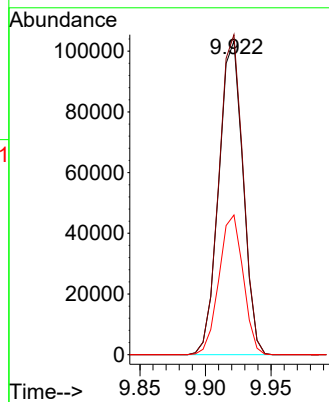
Tgt Ion:164 Resp: 132637

Ion Ratio Lower Upper

164 100

162 102.0 81.8 122.8

160 44.5 36.0 54.0



#40

1,2,4,5-Tetrachlorobenzene

Concen: 47.400 ng

RT: 9.045 min Scan# 1165

Delta R.T. 0.000 min

Lab File: BF142839.D

Acq: 25 Jun 2025 15:57

Tgt Ion:216 Resp: 185507

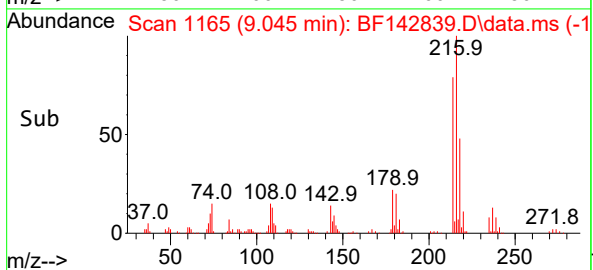
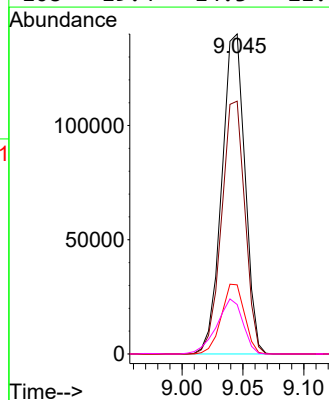
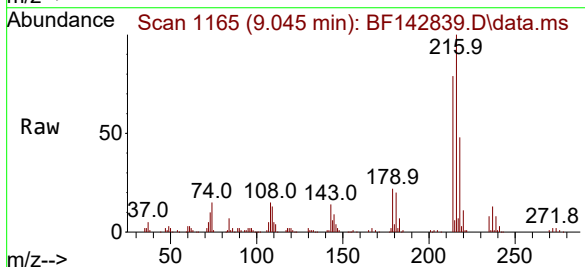
Ion Ratio Lower Upper

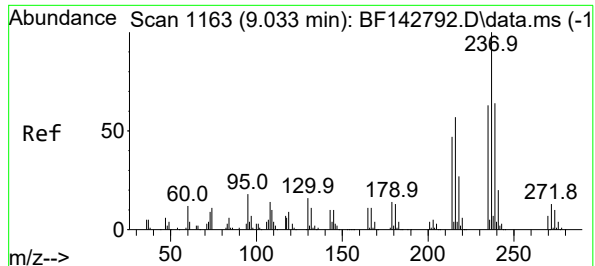
216 100

214 79.3 63.7 95.5

179 21.8 17.6 26.4

108 19.4 14.3 21.5





#41

Hexachlorocyclopentadiene

Concen: 102.091 ng

RT: 9.028 min Scan# 1163

Delta R.T. -0.006 min

Lab File: BF142839.D

Acq: 25 Jun 2025 15:57

Instrument :

BNA_F

ClientSampleId :

PB168601BS

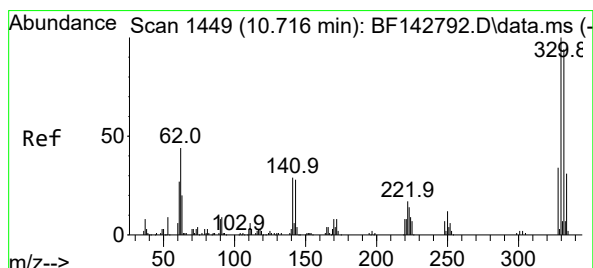
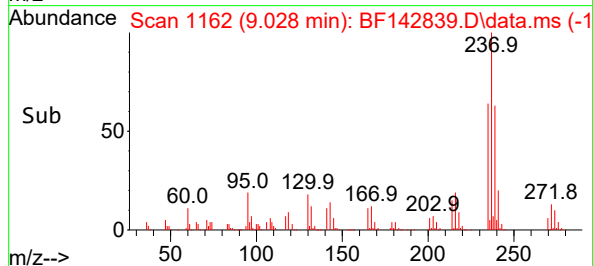
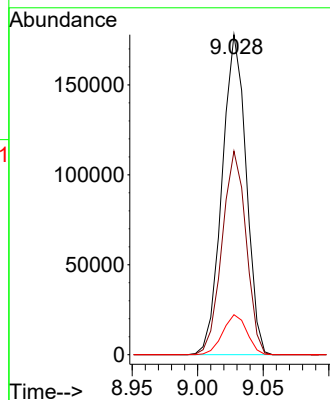
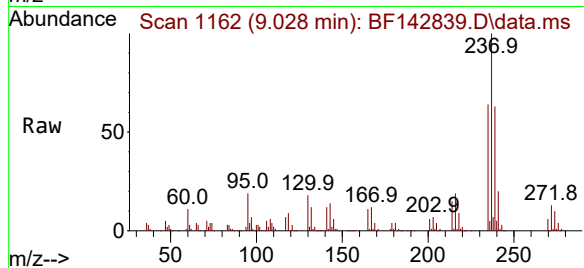
Tgt Ion:237 Resp: 226737

Ion Ratio Lower Upper

237 100

235 63.6 43.4 83.4

272 12.5 0.0 32.7



#42

2,4,6-Tribromophenol

Concen: 118.032 ng

RT: 10.710 min Scan# 1448

Delta R.T. -0.006 min

Lab File: BF142839.D

Acq: 25 Jun 2025 15:57

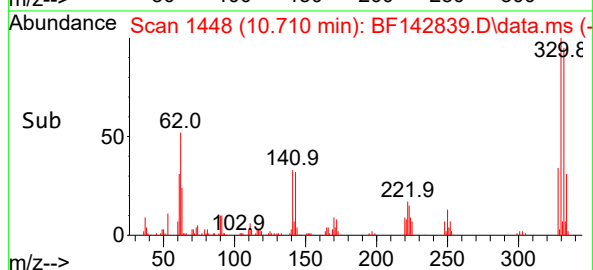
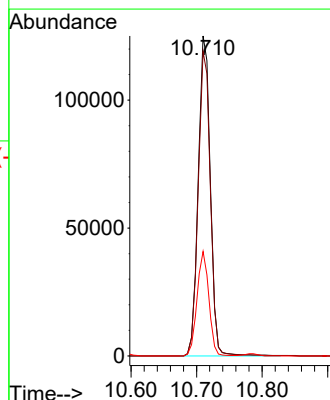
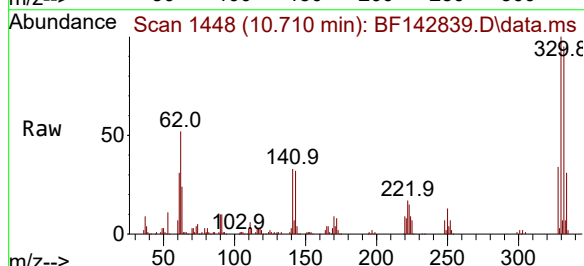
Tgt Ion:330 Resp: 161105

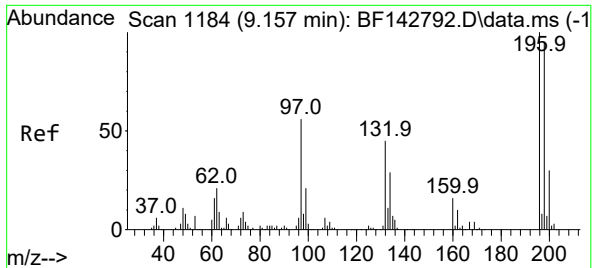
Ion Ratio Lower Upper

330 100

332 95.8 75.0 112.6

141 31.8 25.3 37.9





#43

2,4,6-Trichlorophenol

Concen: 44.668 ng

RT: 9.157 min Scan# 1184

Delta R.T. 0.000 min

Lab File: BF142839.D

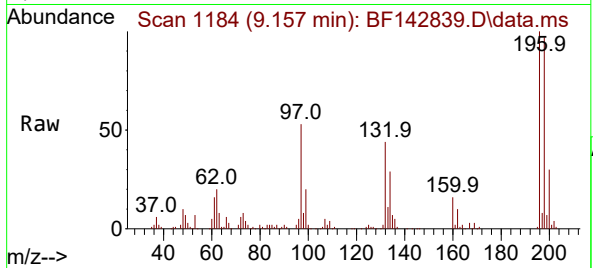
Acq: 25 Jun 2025 15:57

Instrument :

BNA_F

ClientSampleId :

PB168601BS



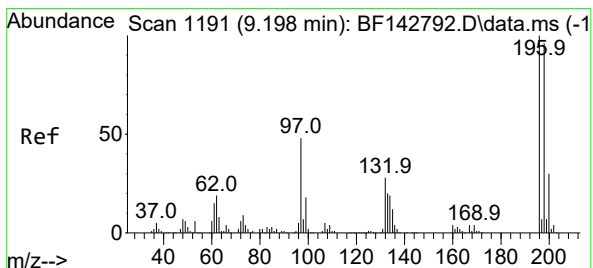
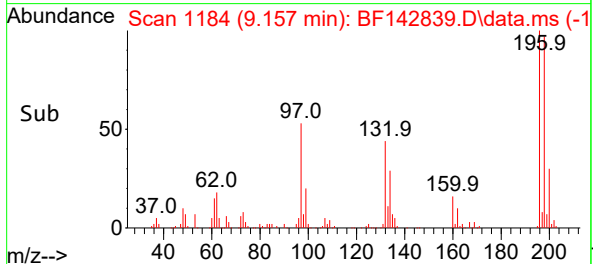
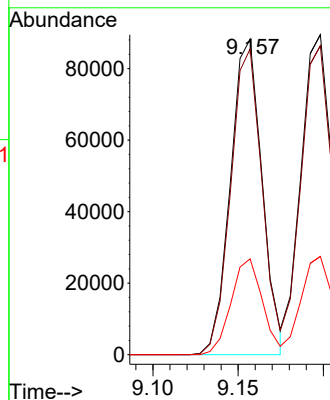
Tgt Ion:196 Resp: 113915

Ion Ratio Lower Upper

196 100

198 96.9 76.2 114.2

200 30.4 24.1 36.1



#44

2,4,5-Trichlorophenol

Concen: 44.064 ng

RT: 9.198 min Scan# 1191

Delta R.T. 0.000 min

Lab File: BF142839.D

Acq: 25 Jun 2025 15:57

Tgt Ion:196 Resp: 118294

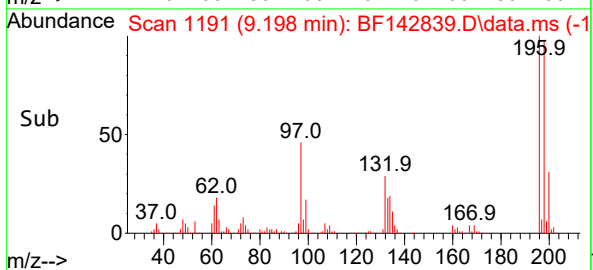
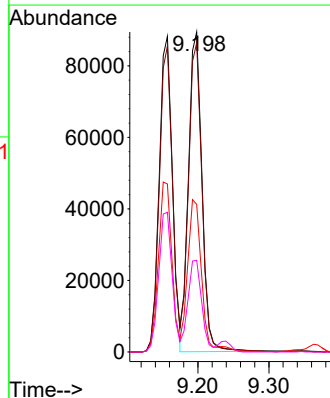
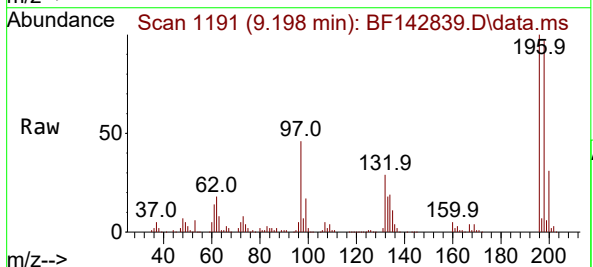
Ion Ratio Lower Upper

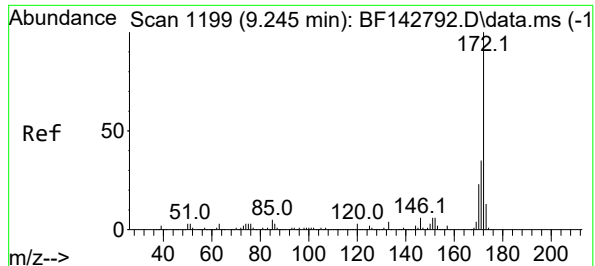
196 100

198 96.5 76.6 115.0

97 46.2 38.2 57.2

132 28.7 23.4 35.0





#45

2-Fluorobiphenyl

Concen: 78.840 ng

RT: 9.239 min Scan# 1199

Delta R.T. -0.006 min

Lab File: BF142839.D

Acq: 25 Jun 2025 15:57

Instrument :

BNA_F

ClientSampleId :

PB168601BS

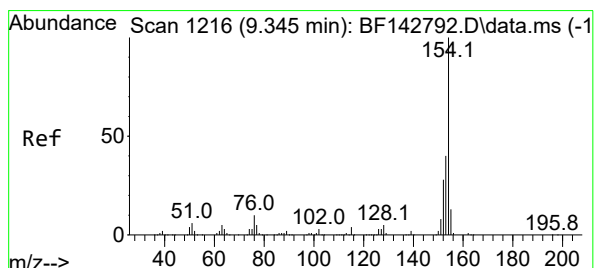
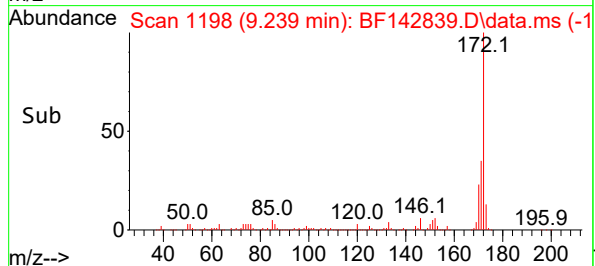
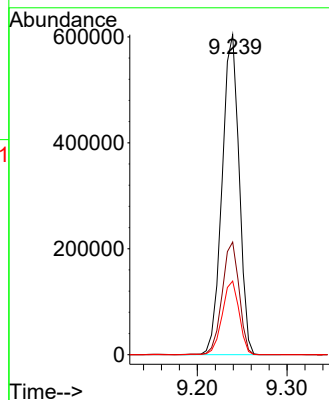
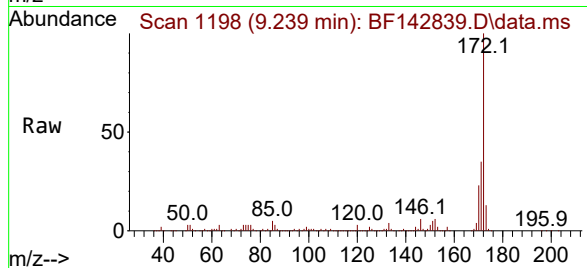
Tgt Ion:172 Resp: 796019

Ion Ratio Lower Upper

172 100

171 35.2 28.2 42.4

170 23.0 18.5 27.7



#46

1,1'-Biphenyl

Concen: 46.291 ng

RT: 9.339 min Scan# 1215

Delta R.T. -0.006 min

Lab File: BF142839.D

Acq: 25 Jun 2025 15:57

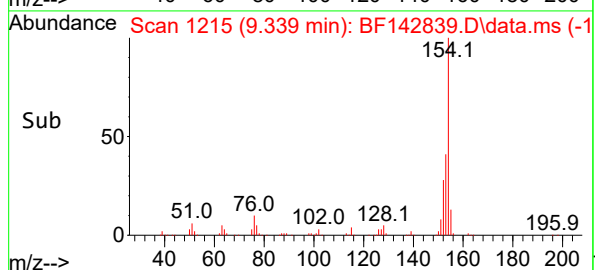
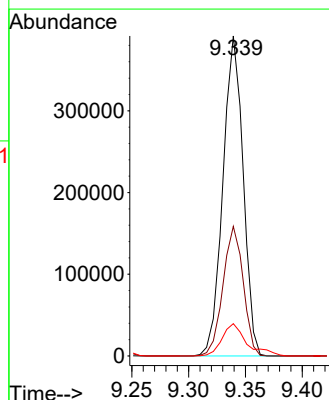
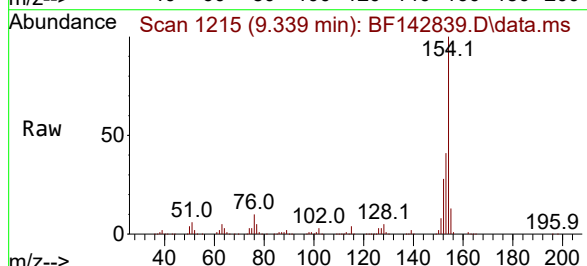
Tgt Ion:154 Resp: 485020

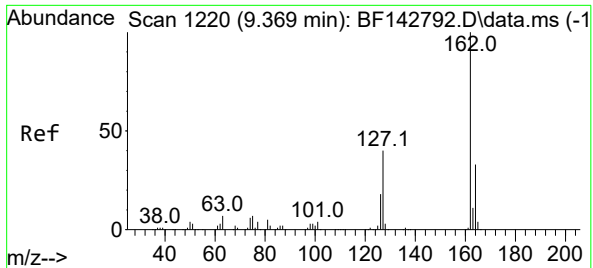
Ion Ratio Lower Upper

154 100

153 40.5 20.3 60.3

76 10.1 0.0 30.3





#47

2-Chloronaphthalene

Concen: 45.225 ng

RT: 9.363 min Scan# 1219

Delta R.T. -0.006 min

Lab File: BF142839.D

Acq: 25 Jun 2025 15:57

Instrument :

BNA_F

ClientSampleId :

PB168601BS

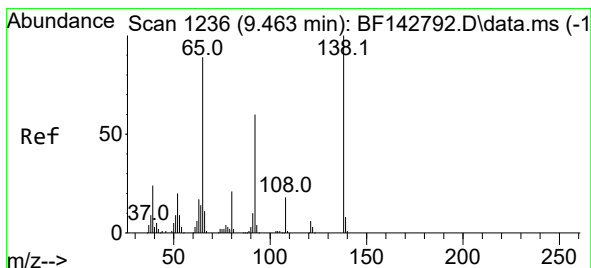
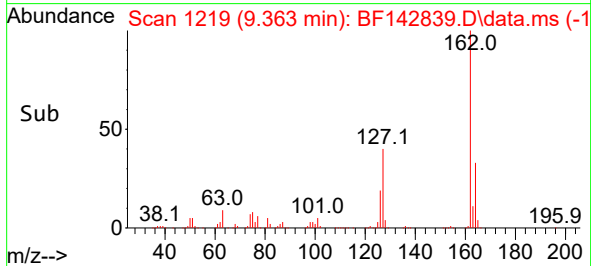
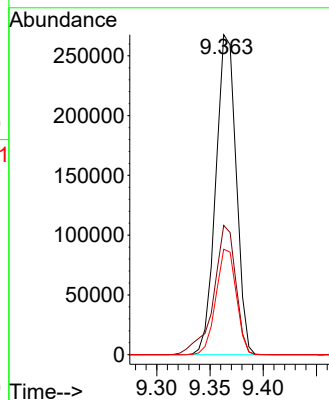
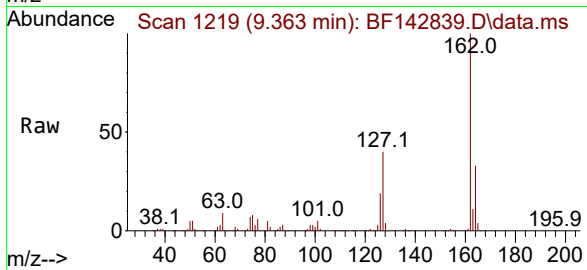
Tgt Ion:162 Resp: 355587

Ion Ratio Lower Upper

162 100

127 40.4 32.2 48.2

164 33.0 26.1 39.1



#48

2-Nitroaniline

Concen: 43.388 ng

RT: 9.463 min Scan# 1236

Delta R.T. 0.000 min

Lab File: BF142839.D

Acq: 25 Jun 2025 15:57

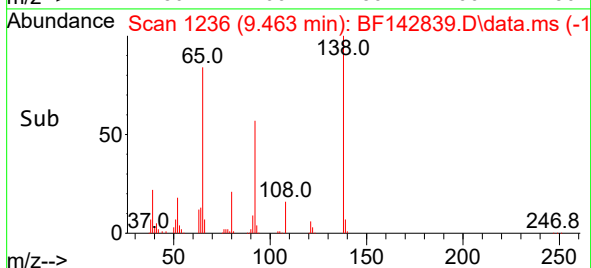
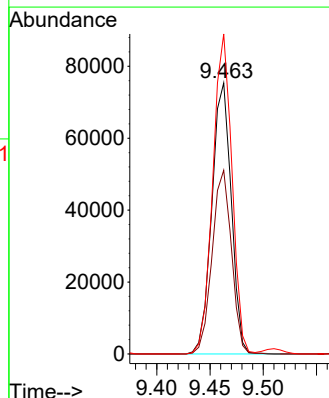
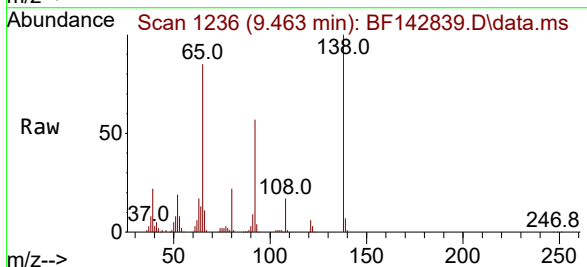
Tgt Ion: 65 Resp: 95641

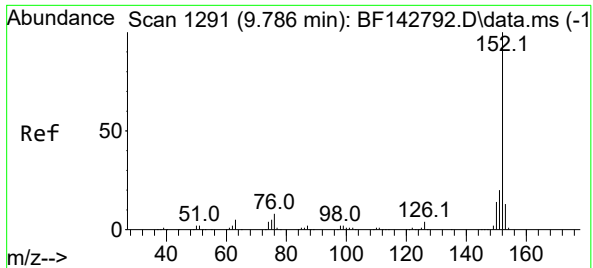
Ion Ratio Lower Upper

65 100

92 67.8 53.8 80.6

138 118.1 89.6 134.4





#49

Acenaphthylene

Concen: 44.692 ng

RT: 9.781 min Scan# 11

Delta R.T. -0.006 min

Lab File: BF142839.D

Acq: 25 Jun 2025 15:57

Instrument :

BNA_F

ClientSampleId :

PB168601BS

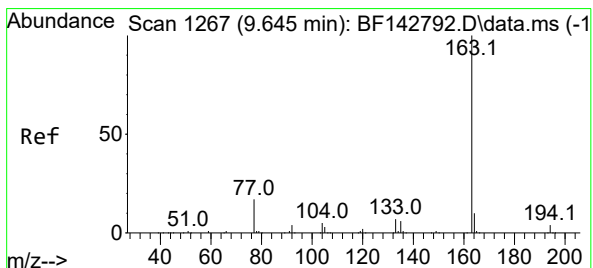
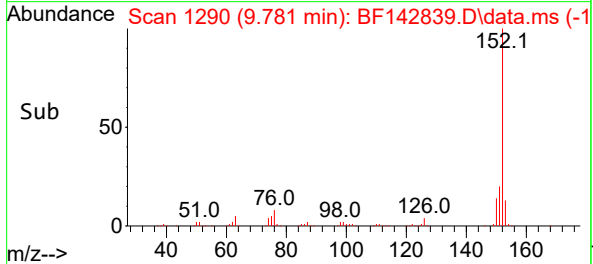
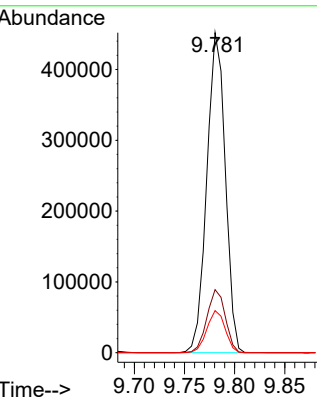
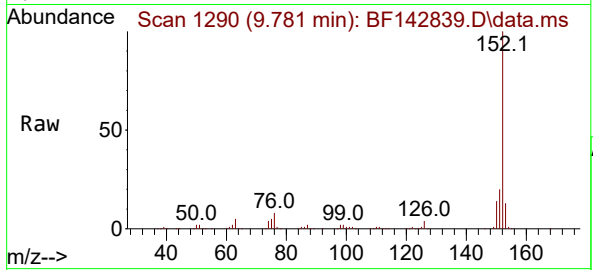
Tgt Ion:152 Resp: 578483

Ion Ratio Lower Upper

152 100

151 19.7 16.1 24.1

153 13.2 10.4 15.6



#50

Dimethylphthalate

Concen: 44.681 ng

RT: 9.639 min Scan# 1266

Delta R.T. -0.006 min

Lab File: BF142839.D

Acq: 25 Jun 2025 15:57

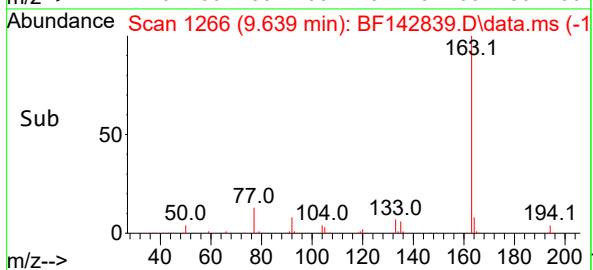
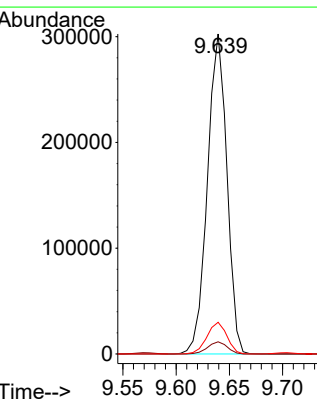
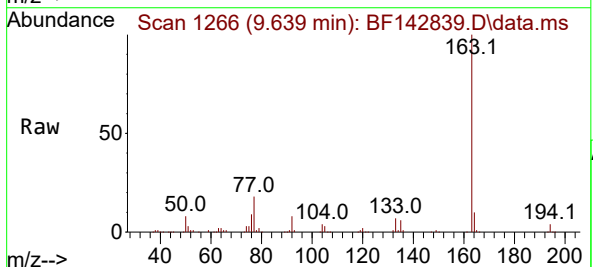
Tgt Ion:163 Resp: 383618

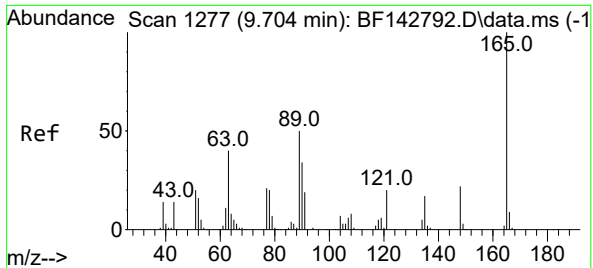
Ion Ratio Lower Upper

163 100

194 3.8 3.3 4.9

164 9.9 8.0 12.0

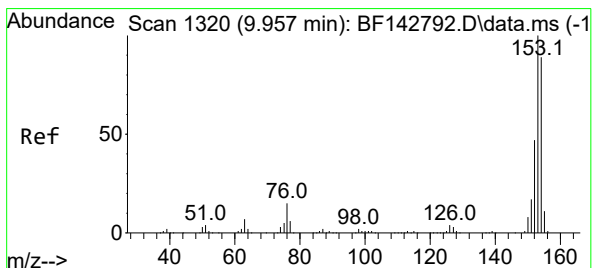
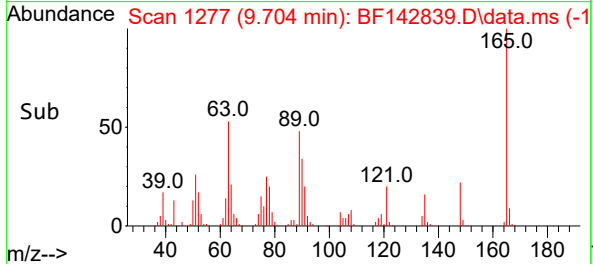
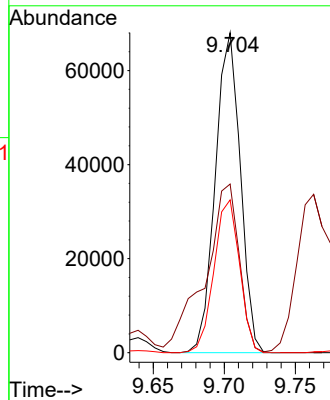
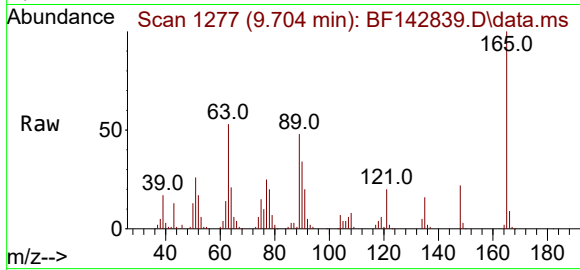




#51
2,6-Dinitrotoluene
Concen: 44.233 ng
RT: 9.704 min Scan# 11
Delta R.T. 0.000 min
Lab File: BF142839.D
Acq: 25 Jun 2025 15:57

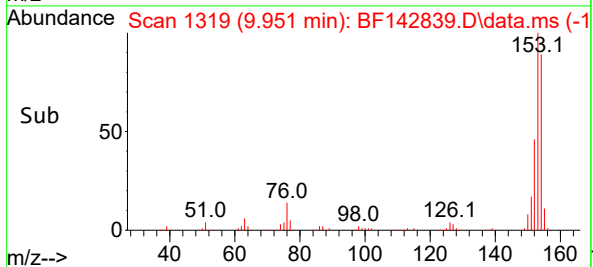
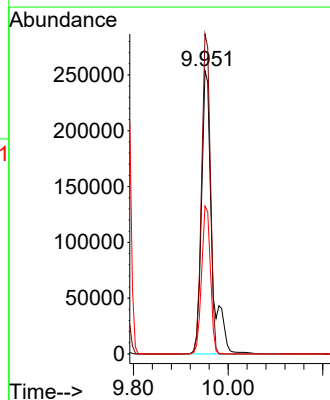
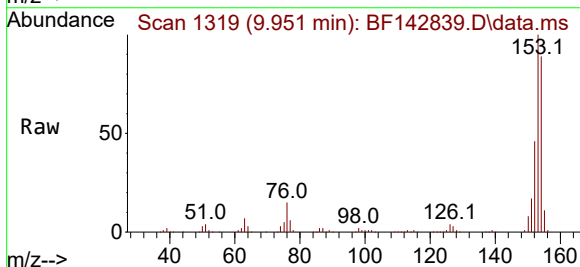
Instrument :
BNA_F
ClientSampleId :
PB168601BS

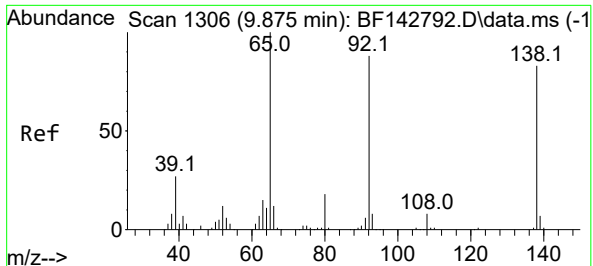
Tgt Ion	165	Resp	83401
Ion Ratio	Lower	Upper	
165	100		
63	52.7	44.2	66.4
89	47.7	39.8	59.8



#52
Acenaphthene
Concen: 48.914 ng
RT: 9.951 min Scan# 1319
Delta R.T. -0.006 min
Lab File: BF142839.D
Acq: 25 Jun 2025 15:57

Tgt Ion	154	Resp	386282
Ion Ratio	Lower	Upper	
154	100		
153	113.0	90.0	135.0
152	52.2	41.9	62.9

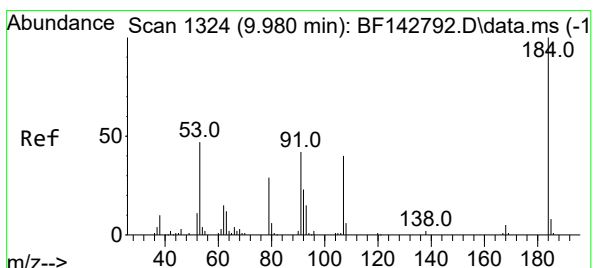
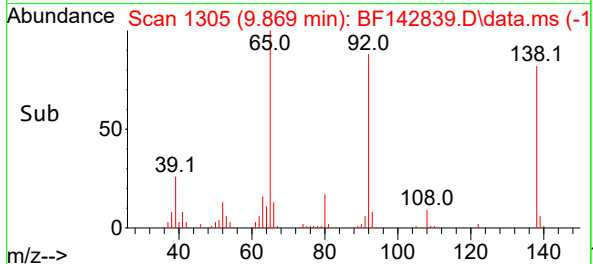
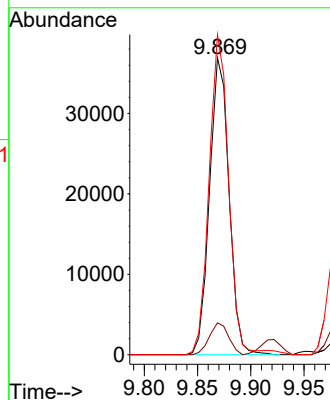
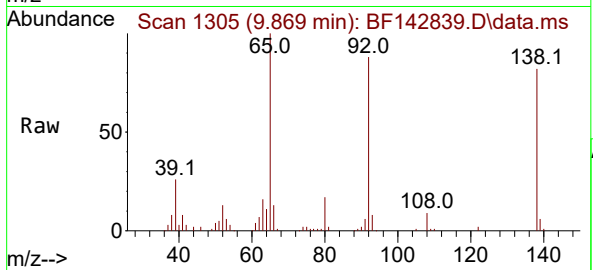




#53
3-Nitroaniline
Concen: 22.656 ng
RT: 9.869 min Scan# 1305
Delta R.T. -0.006 min
Lab File: BF142839.D
Acq: 25 Jun 2025 15:57

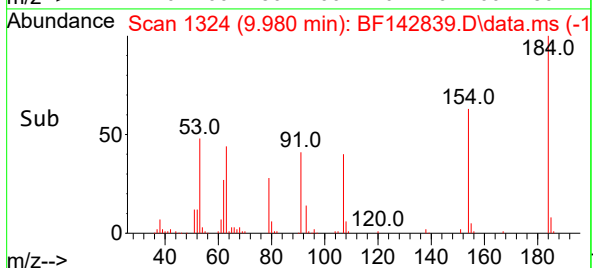
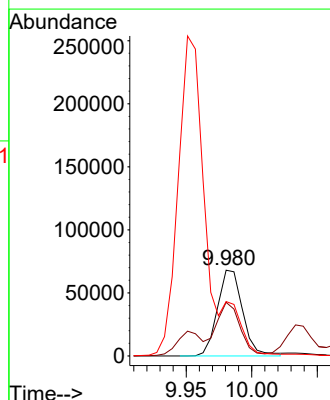
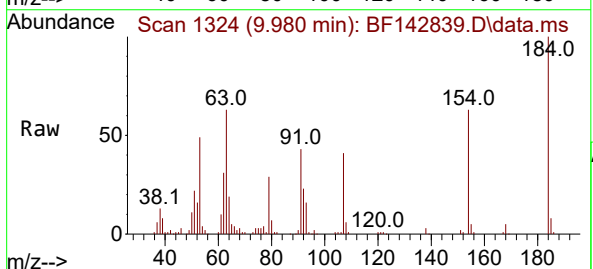
Instrument :
BNA_F
ClientSampleId :
PB168601BS

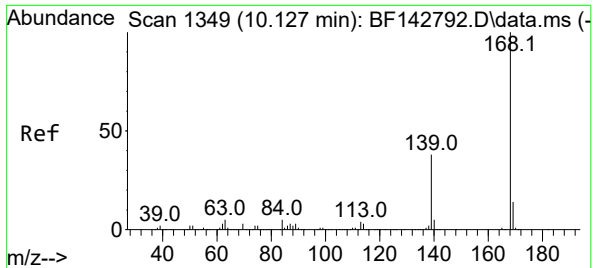
Tgt Ion	Ratio	Lower	Upper
138	100		
108	10.7	8.1	12.1
92	107.8	85.1	127.7



#54
2,4-Dinitrophenol
Concen: 96.551 ng
RT: 9.980 min Scan# 1324
Delta R.T. 0.000 min
Lab File: BF142839.D
Acq: 25 Jun 2025 15:57

Tgt Ion	Ratio	Lower	Upper
184	100		
63	62.5	50.6	75.8
154	63.3	51.8	77.8





#55

Dibenzofuran

Concen: 44.058 ng

RT: 10.128 min Scan# 1

Delta R.T. 0.000 min

Lab File: BF142839.D

Acq: 25 Jun 2025 15:57

Instrument :

BNA_F

ClientSampleId :

PB168601BS

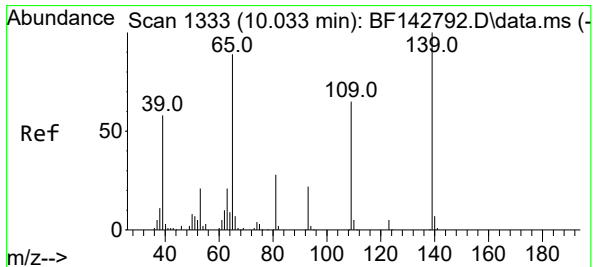
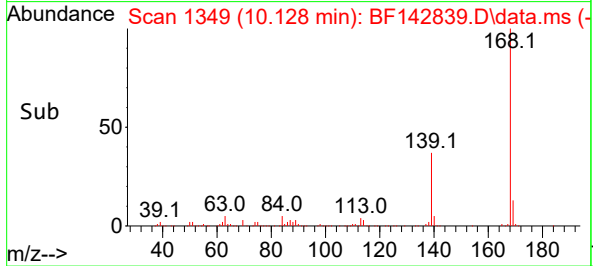
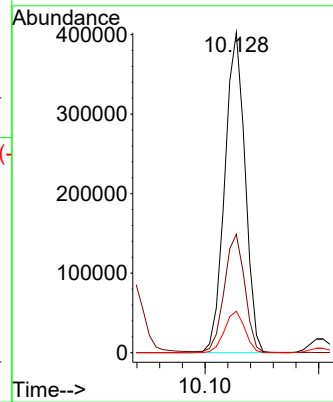
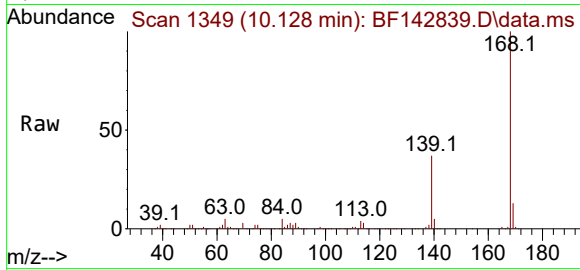
Tgt Ion:168 Resp: 498929

Ion Ratio Lower Upper

168 100

139 37.0 30.2 45.4

169 13.0 10.8 16.2



#56

4-Nitrophenol

Concen: 84.387 ng

RT: 10.039 min Scan# 1334

Delta R.T. 0.006 min

Lab File: BF142839.D

Acq: 25 Jun 2025 15:57

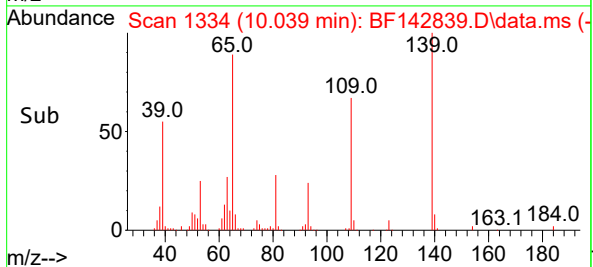
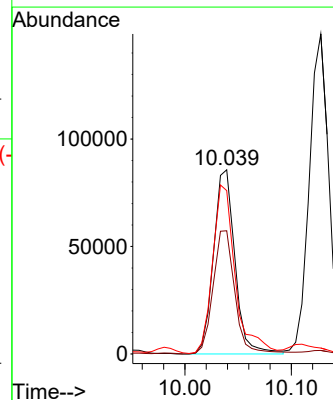
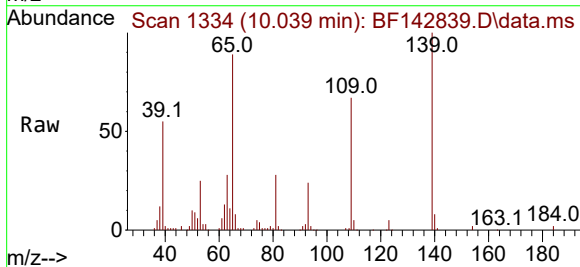
Tgt Ion:139 Resp: 119930

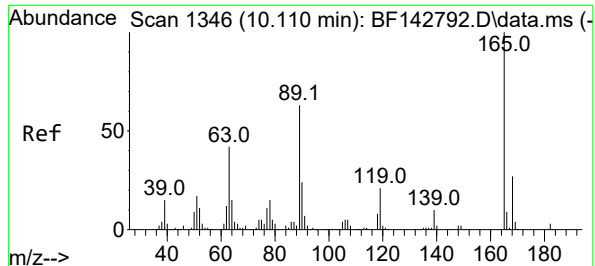
Ion Ratio Lower Upper

139 100

109 66.9 44.7 84.7

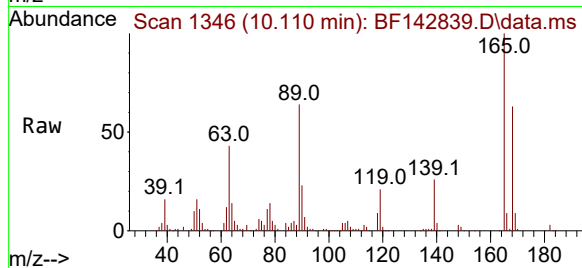
65 88.7 69.8 109.8



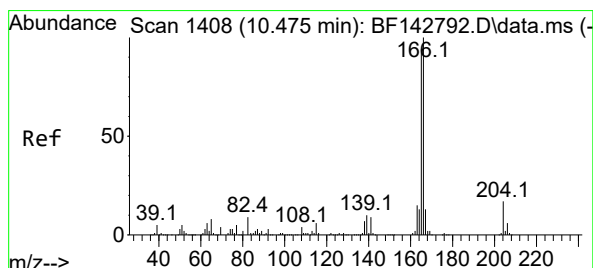
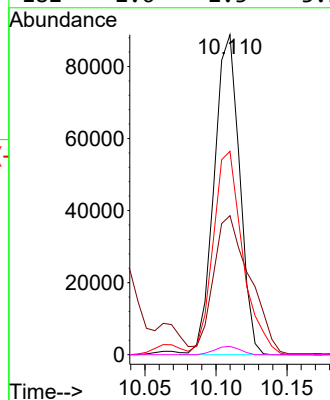
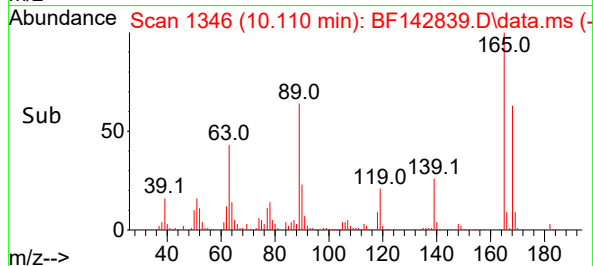


#57
2,4-Dinitrotoluene
Concen: 44.163 ng
RT: 10.110 min Scan# 11
Delta R.T. 0.000 min
Lab File: BF142839.D
Acq: 25 Jun 2025 15:57

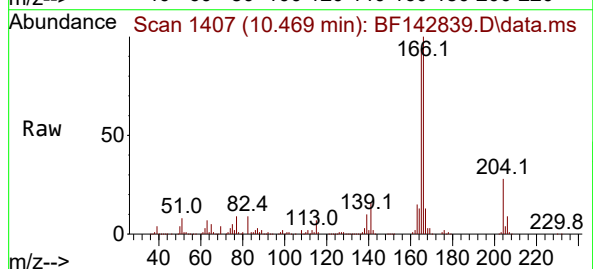
Instrument :
BNA_F
ClientSampleId :
PB168601BS



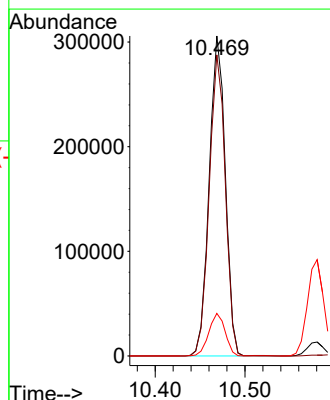
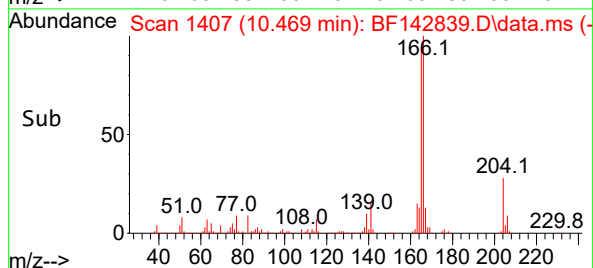
Tgt Ion:165 Resp: 110607
Ion Ratio Lower Upper
165 100
63 43.4 33.9 50.9
89 63.6 50.6 75.8
182 2.6 2.3 3.5

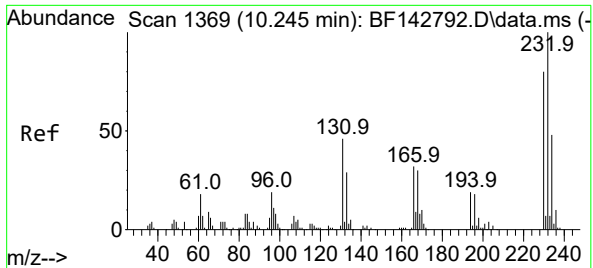


#58
Fluorene
Concen: 43.166 ng
RT: 10.469 min Scan# 1407
Delta R.T. -0.006 min
Lab File: BF142839.D
Acq: 25 Jun 2025 15:57



Tgt Ion:166 Resp: 381766
Ion Ratio Lower Upper
166 100
165 94.1 75.2 112.8
167 13.3 10.6 15.8

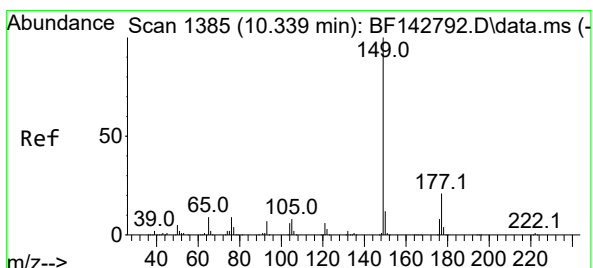
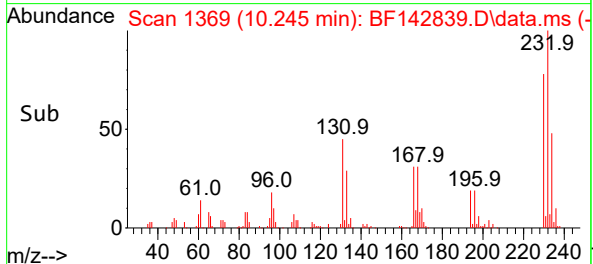
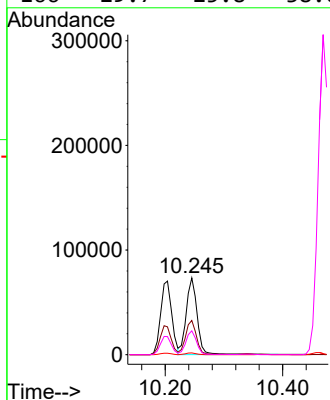
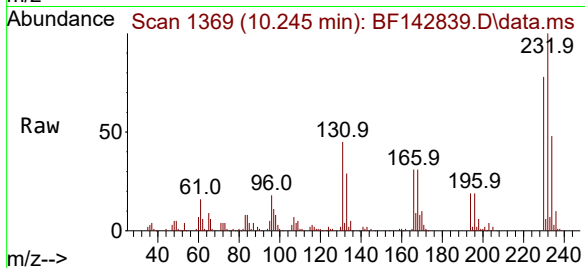




#59
2,3,4,6-Tetrachlorophenol
Concen: 43.746 ng
RT: 10.245 min Scan# 1369
Delta R.T. 0.000 min
Lab File: BF142839.D
Acq: 25 Jun 2025 15:57

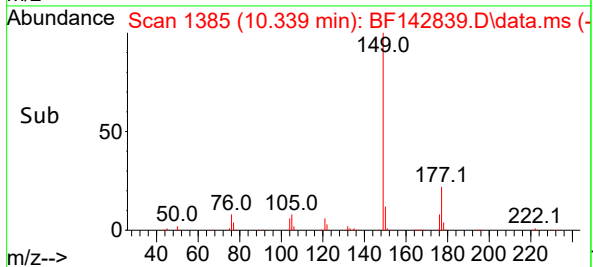
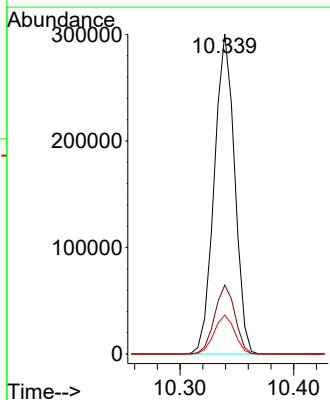
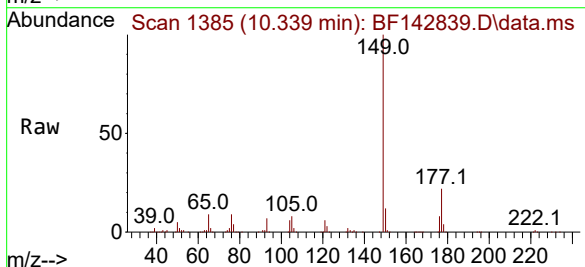
Instrument :
BNA_F
ClientSampleId :
PB168601BS

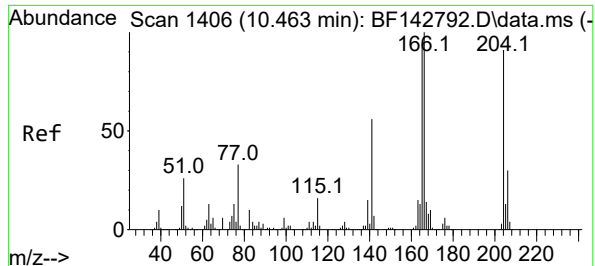
Tgt Ion:232 Resp: 94664
Ion Ratio Lower Upper
232 100
131 44.4 37.6 56.4
130 2.2 1.7 2.5
166 29.7 25.8 38.6



#60
Diethylphthalate
Concen: 44.486 ng
RT: 10.339 min Scan# 1385
Delta R.T. 0.000 min
Lab File: BF142839.D
Acq: 25 Jun 2025 15:57

Tgt Ion:149 Resp: 374487
Ion Ratio Lower Upper
149 100
177 21.5 17.0 25.6
150 12.2 9.8 14.6

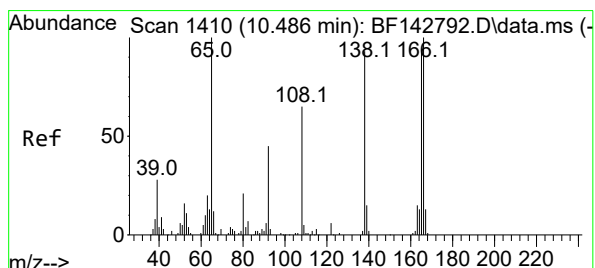
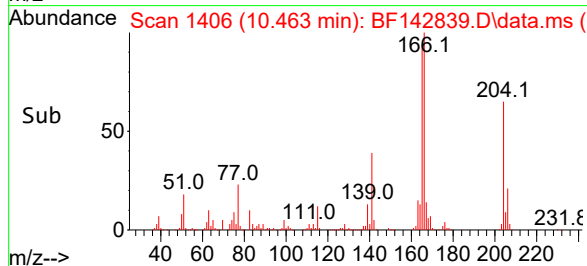
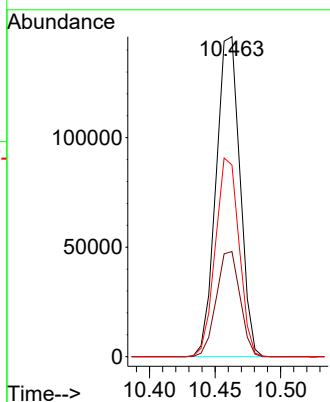
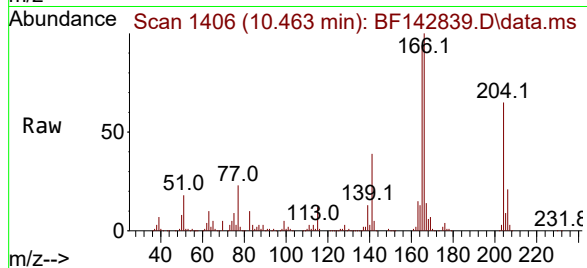




#61
4-Chlorophenyl-phenylether
Concen: 43.831 ng
RT: 10.463 min Scan# 1406
Delta R.T. 0.000 min
Lab File: BF142839.D
Acq: 25 Jun 2025 15:57

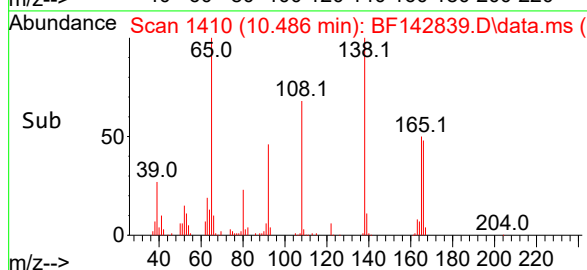
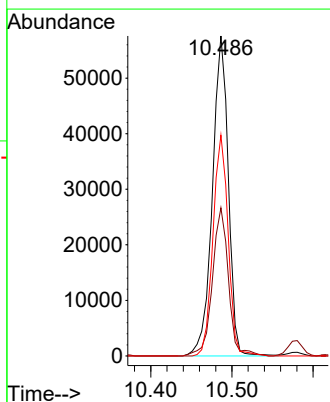
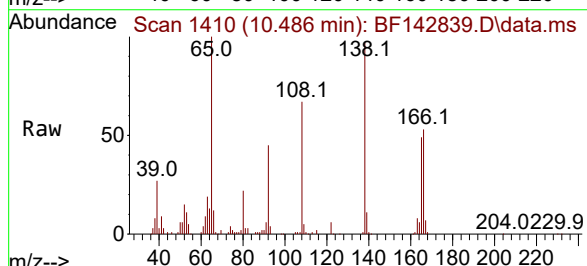
Instrument :
BNA_F
ClientSampleId :
PB168601BS

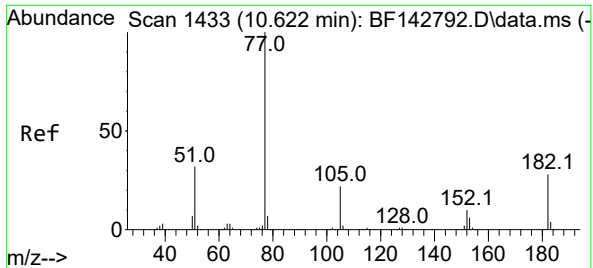
Tgt Ion:204 Resp: 184980
Ion Ratio Lower Upper
204 100
206 32.9 26.3 39.5
141 59.9 49.1 73.7



#62
4-Nitroaniline
Concen: 41.413 ng
RT: 10.486 min Scan# 1410
Delta R.T. 0.000 min
Lab File: BF142839.D
Acq: 25 Jun 2025 15:57

Tgt Ion:138 Resp: 78627
Ion Ratio Lower Upper
138 100
92 46.3 28.4 68.4
108 69.0 50.2 90.2

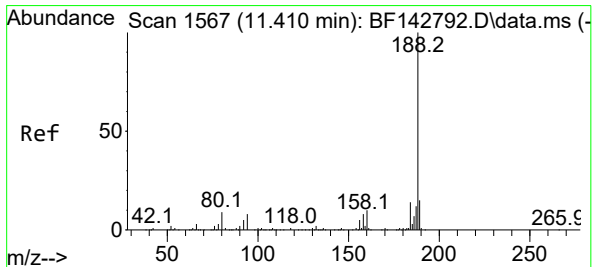
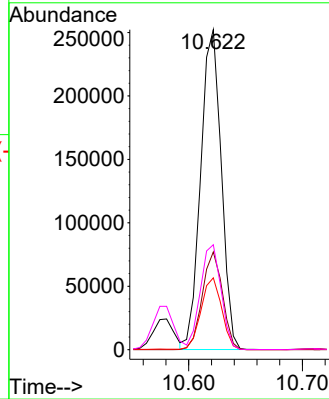
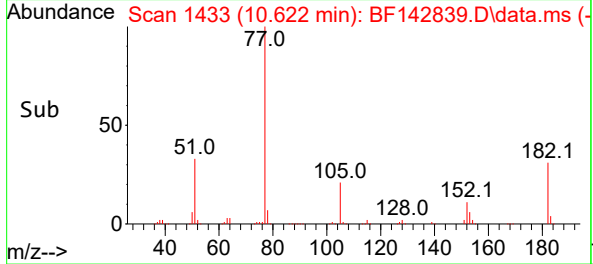
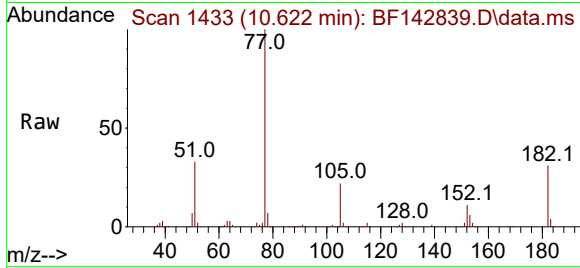




#63
Azobenzene
Concen: 42.092 ng
RT: 10.622 min Scan# 1433
Delta R.T. 0.000 min
Lab File: BF142839.D
Acq: 25 Jun 2025 15:57

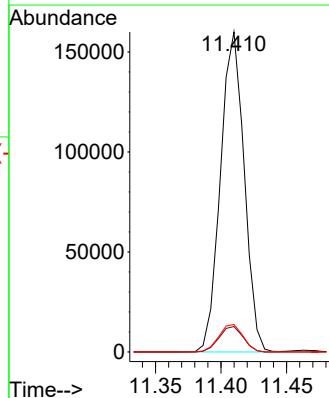
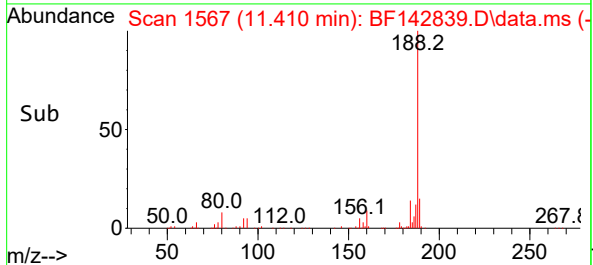
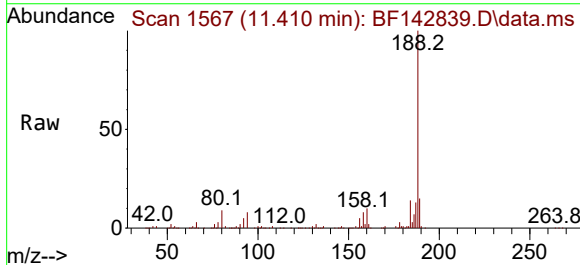
Instrument :
BNA_F
ClientSampleId :
PB168601BS

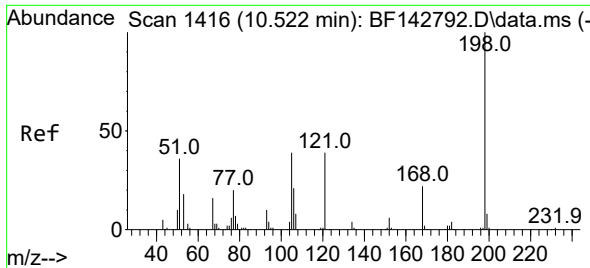
Tgt Ion: 77 Resp: 316690
Ion Ratio Lower Upper
77 100
182 30.6 7.7 47.7
105 22.4 1.9 41.9
51 32.8 13.3 53.3



#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.410 min Scan# 1567
Delta R.T. 0.000 min
Lab File: BF142839.D
Acq: 25 Jun 2025 15:57

Tgt Ion: 188 Resp: 201072
Ion Ratio Lower Upper
188 100
94 7.9 6.7 10.1
80 8.6 6.9 10.3

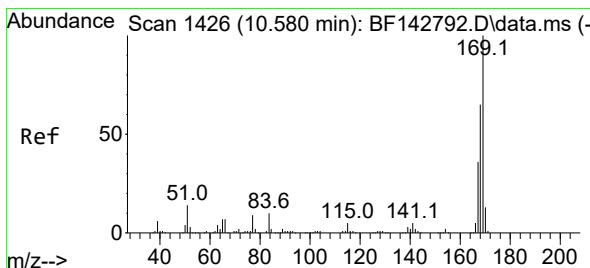
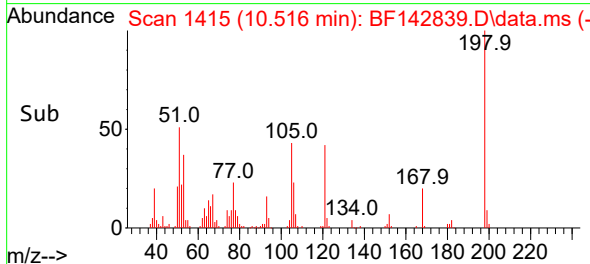
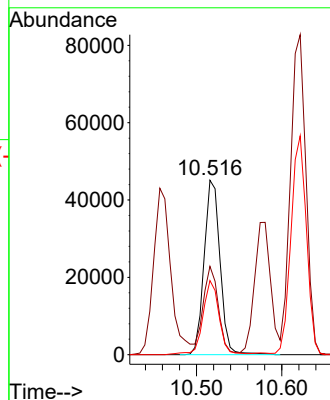
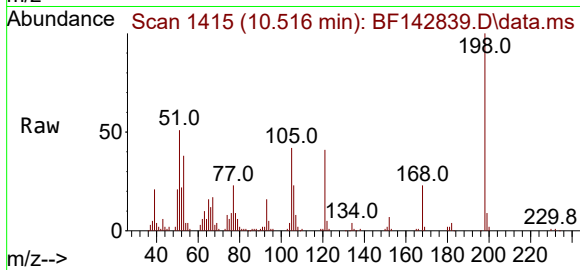




#65
4,6-Dinitro-2-methylphenol
Concen: 48.278 ng
RT: 10.516 min Scan# 1416
Delta R.T. -0.006 min
Lab File: BF142839.D
Acq: 25 Jun 2025 15:57

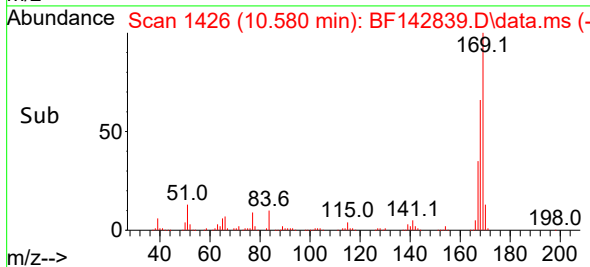
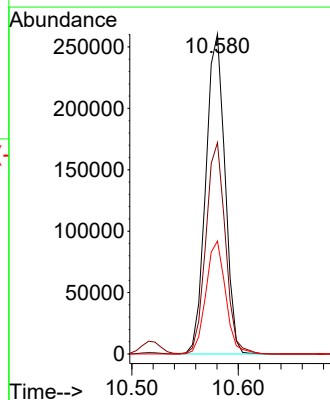
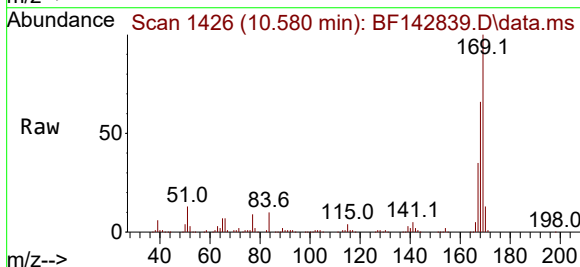
Instrument :
BNA_F
ClientSampleId :
PB168601BS

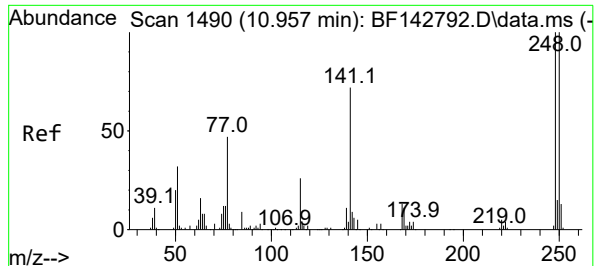
Tgt Ion:198 Resp: 58716
Ion Ratio Lower Upper
198 100
51 50.7 25.4 65.4
105 42.5 20.4 60.4



#66
n-Nitrosodiphenylamine
Concen: 46.652 ng
RT: 10.580 min Scan# 1426
Delta R.T. 0.000 min
Lab File: BF142839.D
Acq: 25 Jun 2025 15:57

Tgt Ion:169 Resp: 325101
Ion Ratio Lower Upper
169 100
168 66.1 51.9 77.9
167 35.3 28.5 42.7

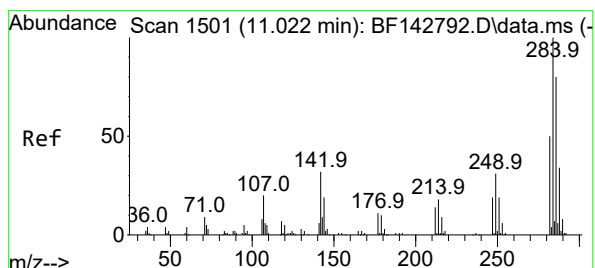
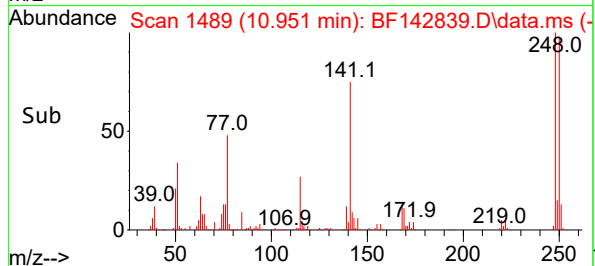
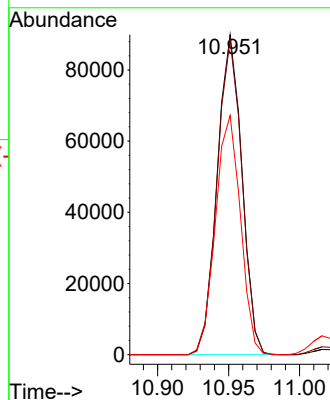
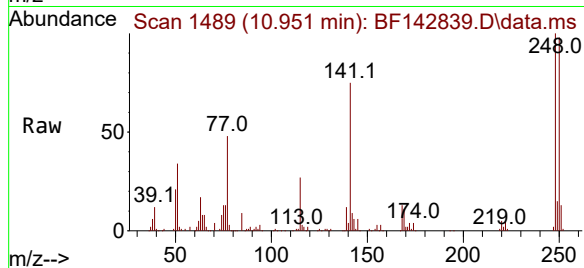




#67
4-Bromophenyl-phenylether
Concen: 47.675 ng
RT: 10.951 min Scan# 14
Delta R.T. -0.006 min
Lab File: BF142839.D
Acq: 25 Jun 2025 15:57

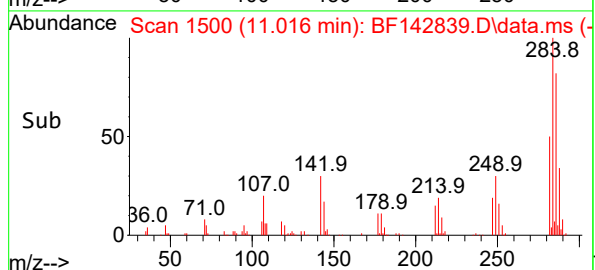
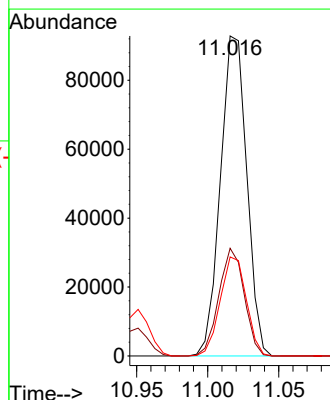
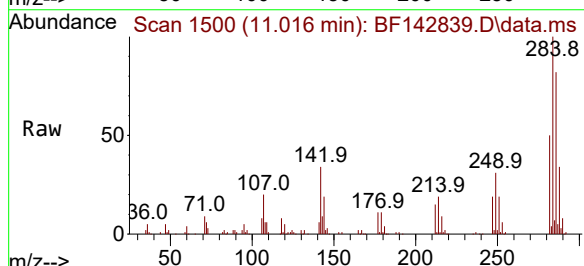
Instrument :
BNA_F
ClientSampleId :
PB168601BS

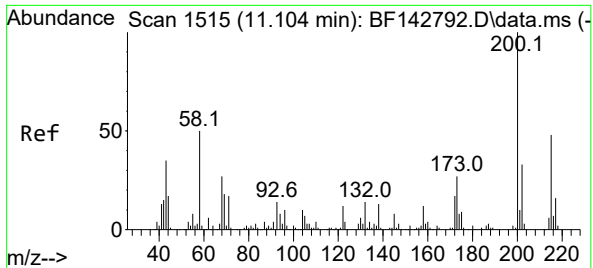
Tgt Ion:248 Resp: 109098
Ion Ratio Lower Upper
248 100
250 98.4 79.8 119.8
141 74.7 57.8 86.6



#68
Hexachlorobenzene
Concen: 47.193 ng
RT: 11.016 min Scan# 1500
Delta R.T. -0.006 min
Lab File: BF142839.D
Acq: 25 Jun 2025 15:57

Tgt Ion:284 Resp: 120002
Ion Ratio Lower Upper
284 100
142 33.7 25.5 38.3
249 30.9 24.9 37.3





#69

Atrazine

Concen: 52.189 ng

RT: 11.104 min Scan# 1515

Delta R.T. 0.000 min

Lab File: BF142839.D

Acq: 25 Jun 2025 15:57

Instrument :

BNA_F

ClientSampleId :

PB168601BS

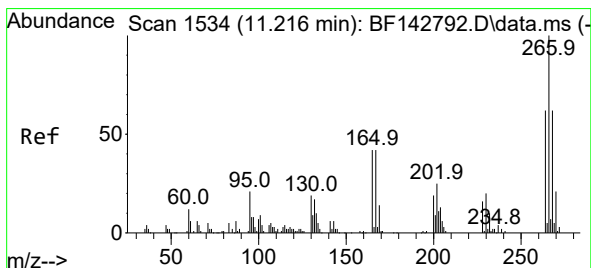
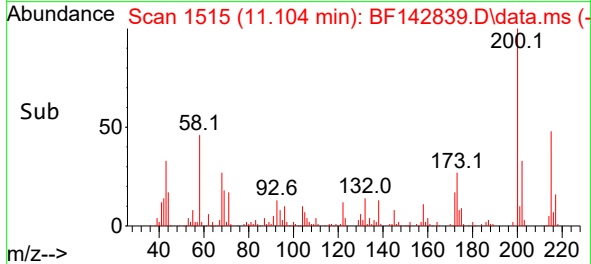
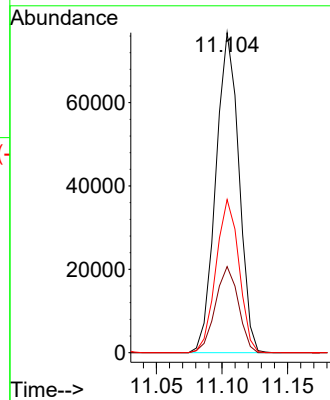
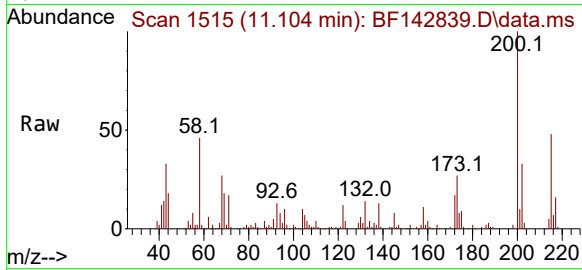
Tgt Ion:200 Resp: 93915

Ion Ratio Lower Upper

200 100

173 26.9 7.4 47.4

215 47.8 28.4 68.4



#70

Pentachlorophenol

Concen: 93.159 ng

RT: 11.216 min Scan# 1534

Delta R.T. 0.000 min

Lab File: BF142839.D

Acq: 25 Jun 2025 15:57

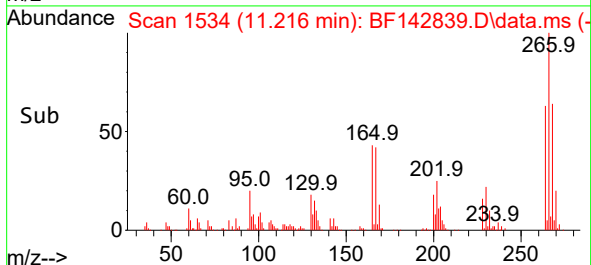
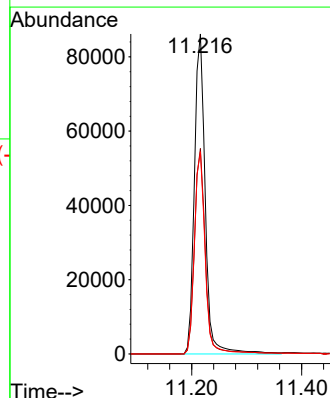
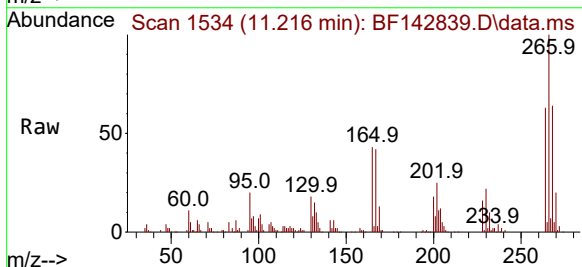
Tgt Ion:266 Resp: 118039

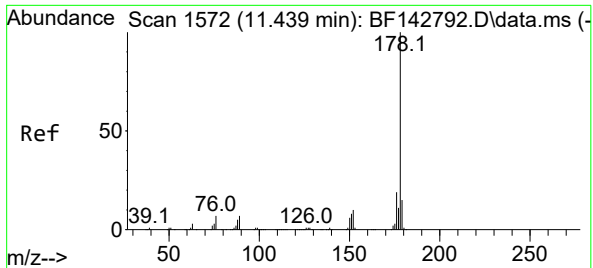
Ion Ratio Lower Upper

266 100

268 64.2 49.8 74.8

264 63.2 49.9 74.9





#71

Phenanthrene

Concen: 45.269 ng

RT: 11.433 min Scan# 1572

Delta R.T. -0.006 min

Lab File: BF142839.D

Acq: 25 Jun 2025 15:57

Instrument :

BNA_F

ClientSampleId :

PB168601BS

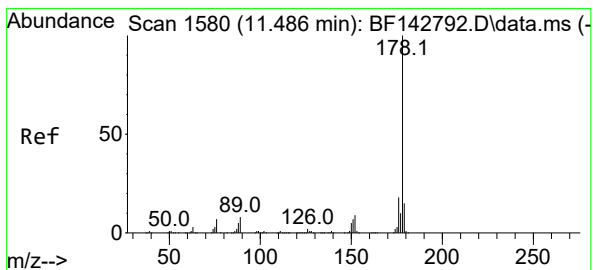
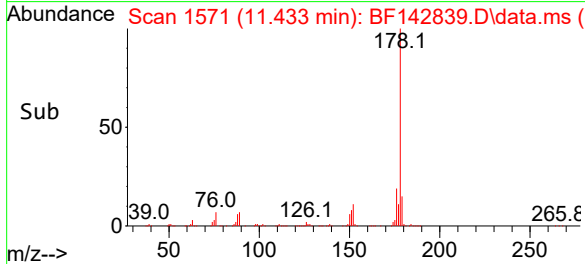
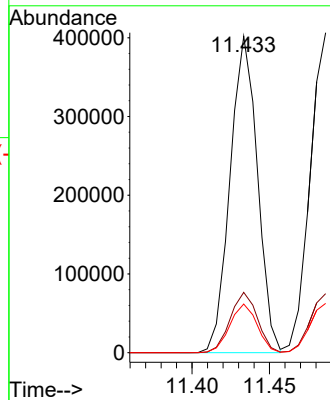
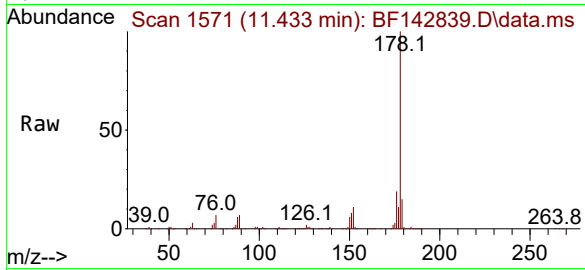
Tgt Ion:178 Resp: 493078

Ion Ratio Lower Upper

178 100

176 19.0 15.1 22.7

179 15.4 12.0 18.0



#72

Anthracene

Concen: 45.520 ng

RT: 11.486 min Scan# 1580

Delta R.T. 0.000 min

Lab File: BF142839.D

Acq: 25 Jun 2025 15:57

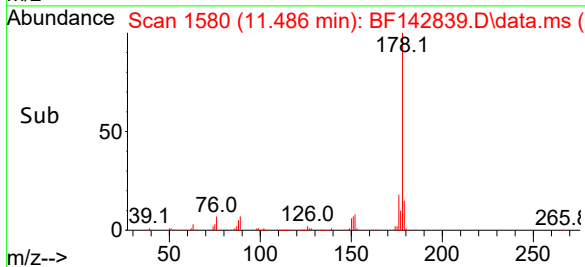
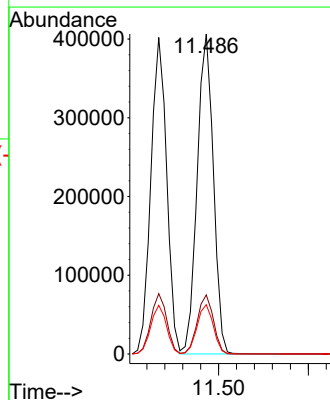
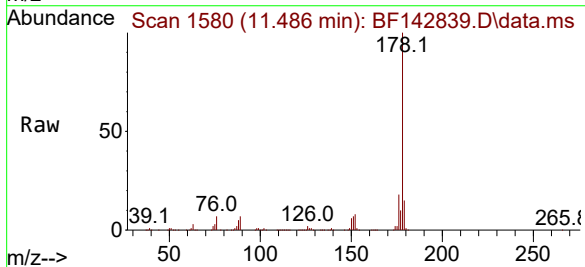
Tgt Ion:178 Resp: 508495

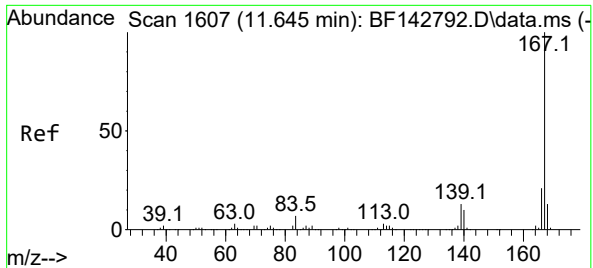
Ion Ratio Lower Upper

178 100

176 18.5 14.6 21.8

179 15.4 12.4 18.6

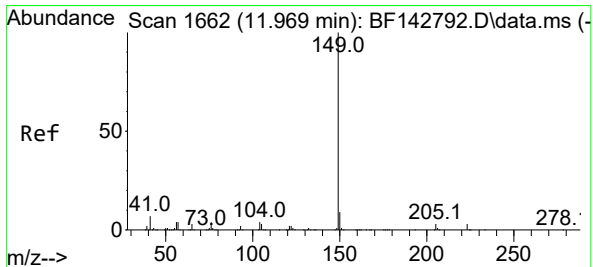
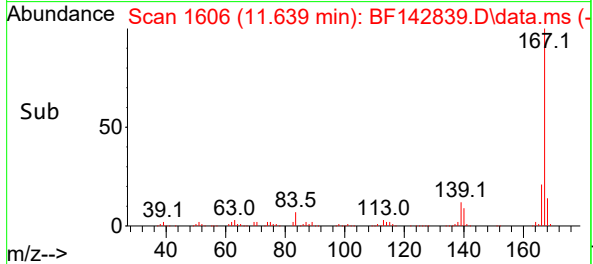
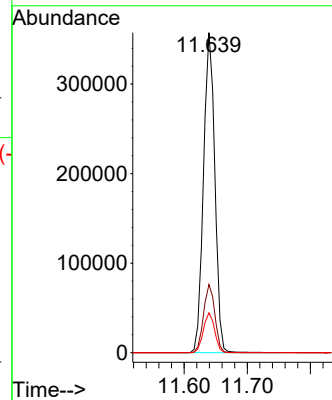
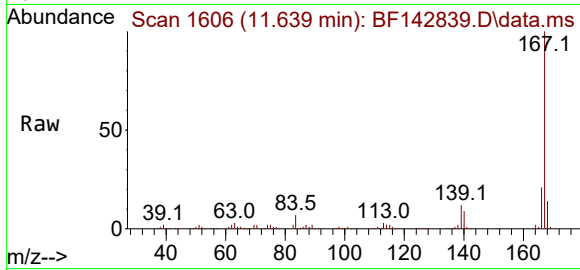




#73
 Carbazole
 Concen: 46.152 ng
 RT: 11.639 min Scan# 1606
 Delta R.T. -0.006 min
 Lab File: BF142839.D
 Acq: 25 Jun 2025 15:57

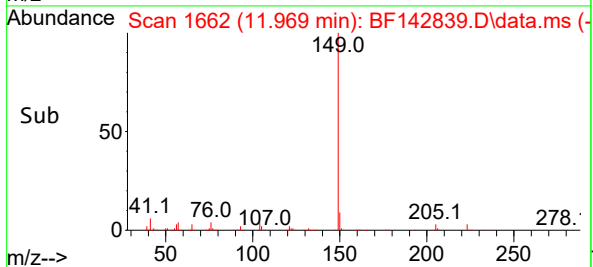
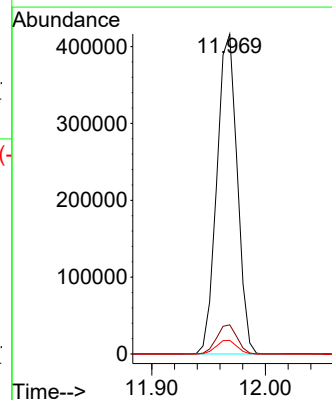
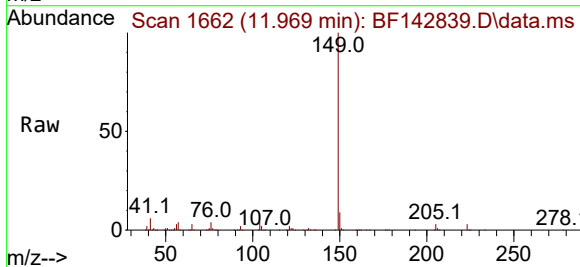
Instrument :
 BNA_F
 ClientSampleId :
 PB168601BS

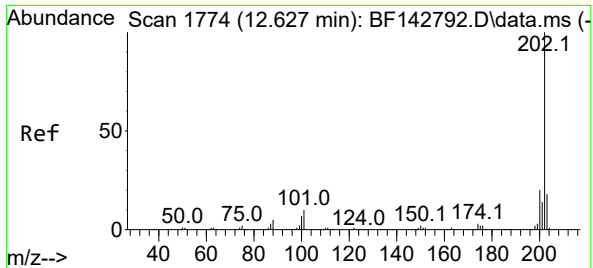
Tgt Ion:167 Resp: 444907
 Ion Ratio Lower Upper
 167 100
 166 21.3 17.0 25.4
 139 12.4 10.2 15.2



#74
 Di-n-butylphthalate
 Concen: 51.656 ng
 RT: 11.969 min Scan# 1662
 Delta R.T. 0.000 min
 Lab File: BF142839.D
 Acq: 25 Jun 2025 15:57

Tgt Ion:149 Resp: 518753
 Ion Ratio Lower Upper
 149 100
 150 9.1 7.4 11.0
 104 4.3 3.5 5.3

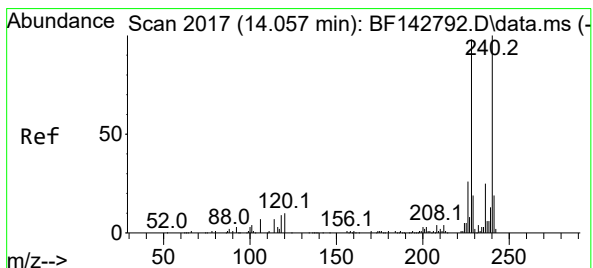
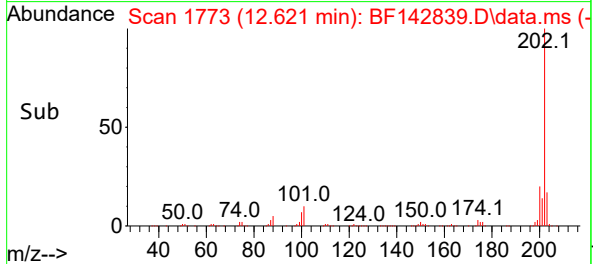
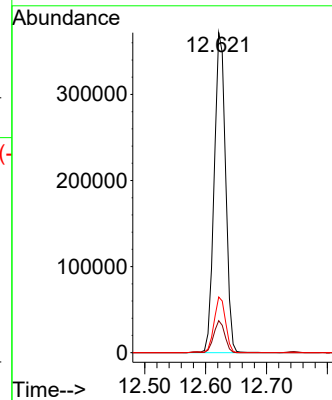
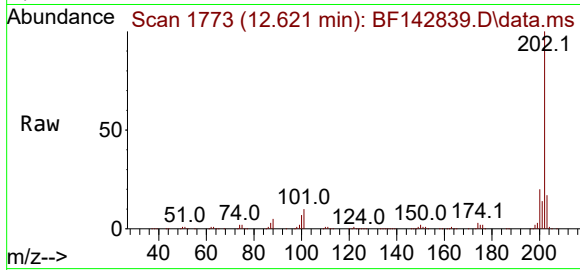




#75
Fluoranthene
Concen: 46.670 ng
RT: 12.621 min Scan# 1774
Delta R.T. -0.006 min
Lab File: BF142839.D
Acq: 25 Jun 2025 15:57

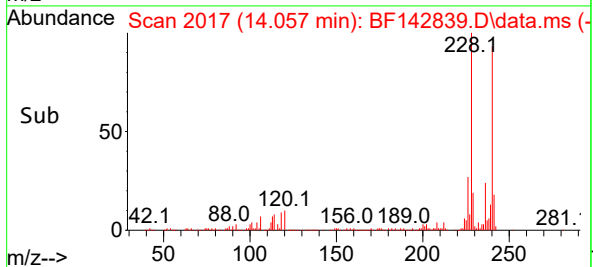
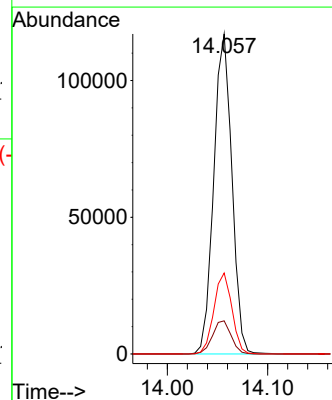
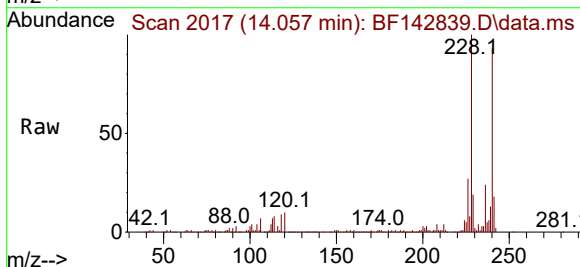
Instrument :
BNA_F
ClientSampleId :
PB168601BS

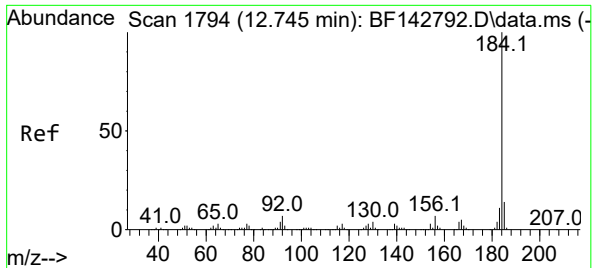
Tgt Ion:202 Resp: 482438
Ion Ratio Lower Upper
202 100
101 10.0 0.0 29.7
203 17.4 0.0 37.5



#76
Chrysene-d12
Concen: 20.000 ng
RT: 14.057 min Scan# 2017
Delta R.T. 0.000 min
Lab File: BF142839.D
Acq: 25 Jun 2025 15:57

Tgt Ion:240 Resp: 147361
Ion Ratio Lower Upper
240 100
120 10.4 8.2 12.2
236 25.3 19.8 29.8

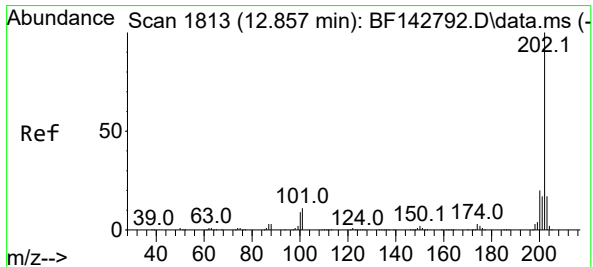
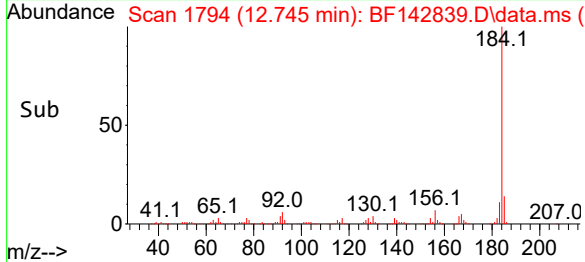
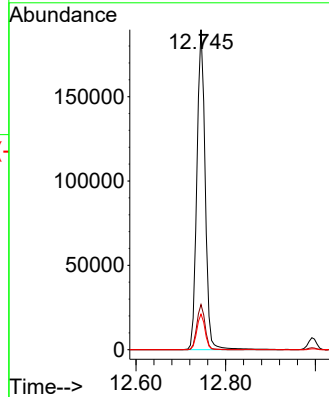
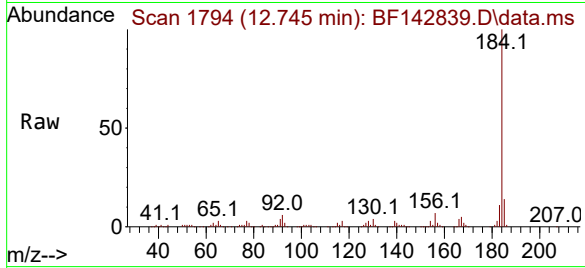




#77
Benzidine
Concen: 43.987 ng
RT: 12.745 min Scan# 1794
Delta R.T. 0.000 min
Lab File: BF142839.D
Acq: 25 Jun 2025 15:57

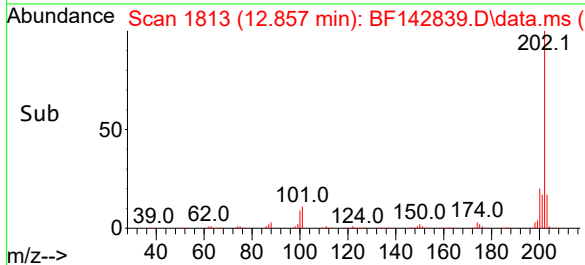
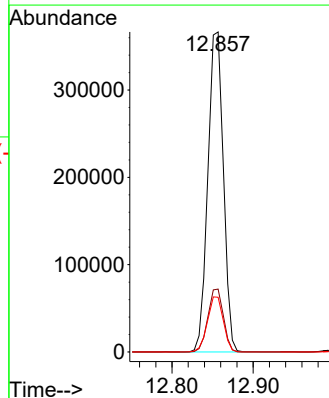
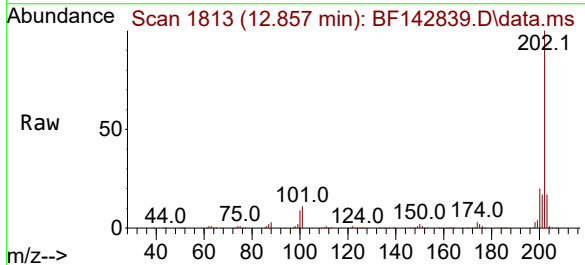
Instrument :
BNA_F
ClientSampleId :
PB168601BS

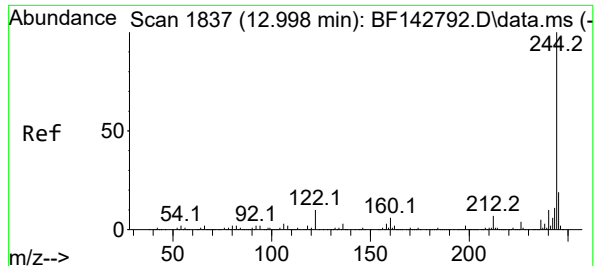
Tgt Ion:184 Resp: 243534
Ion Ratio Lower Upper
184 100
185 14.1 11.5 17.3
183 11.1 9.0 13.4



#78
Pyrene
Concen: 35.244 ng
RT: 12.857 min Scan# 1813
Delta R.T. 0.000 min
Lab File: BF142839.D
Acq: 25 Jun 2025 15:57

Tgt Ion:202 Resp: 486813
Ion Ratio Lower Upper
202 100
200 19.6 15.7 23.5
203 17.1 13.8 20.6





#79

Terphenyl-d14

Concen: 61.962 ng

RT: 12.992 min Scan# 1837

Delta R.T. -0.006 min

Lab File: BF142839.D

Acq: 25 Jun 2025 15:57

Instrument :

BNA_F

ClientSampleId :

PB168601BS

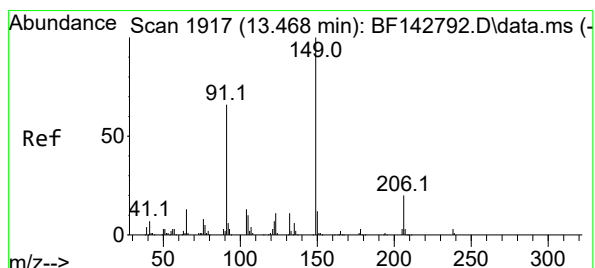
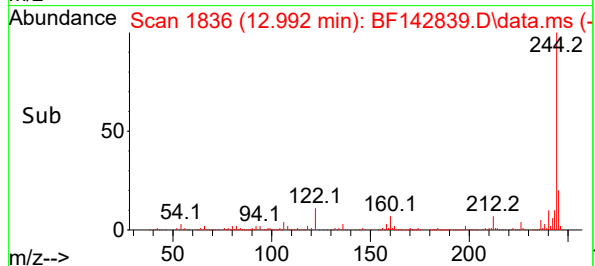
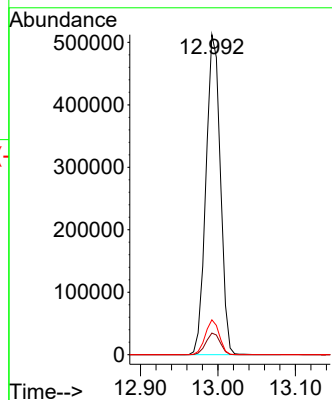
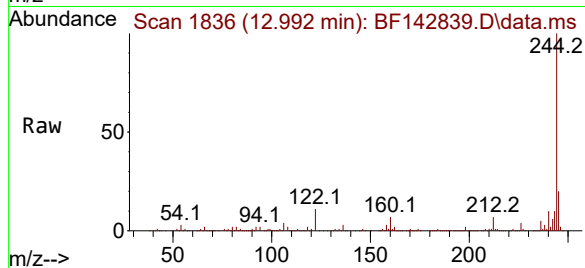
Tgt Ion:244 Resp: 660839

Ion Ratio Lower Upper

244 100

212 6.7 5.4 8.0

122 10.9 8.2 12.2



#80

Butylbenzylphthalate

Concen: 52.602 ng

RT: 13.469 min Scan# 1917

Delta R.T. 0.000 min

Lab File: BF142839.D

Acq: 25 Jun 2025 15:57

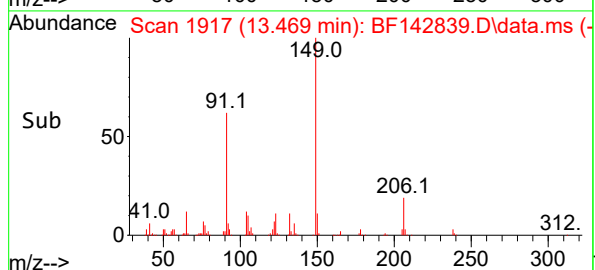
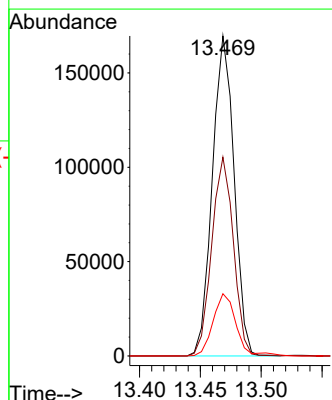
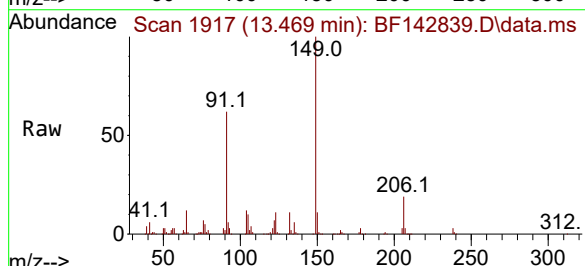
Tgt Ion:149 Resp: 210760

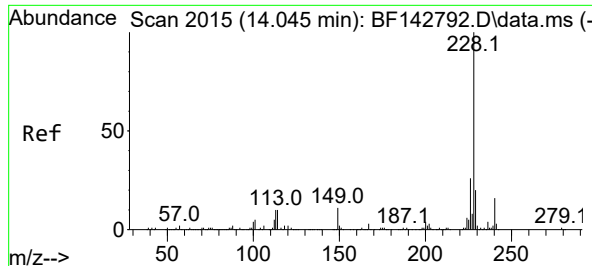
Ion Ratio Lower Upper

149 100

91 62.1 52.9 79.3

206 19.5 16.3 24.5

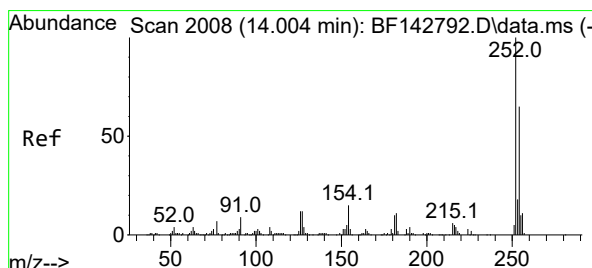
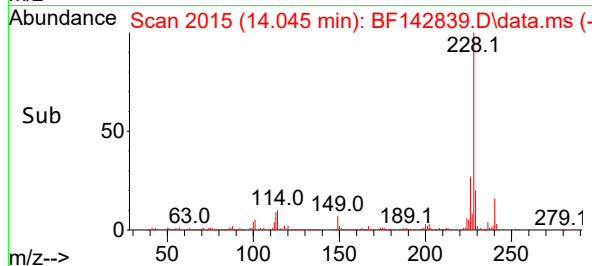
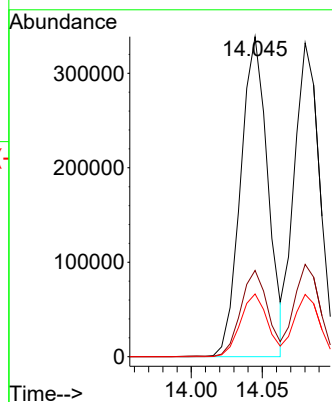
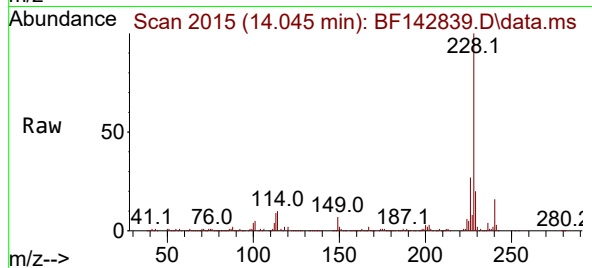




#81
Benzo(a)anthracene
Concen: 45.516 ng
RT: 14.045 min Scan# 2015
Delta R.T. 0.000 min
Lab File: BF142839.D
Acq: 25 Jun 2025 15:57

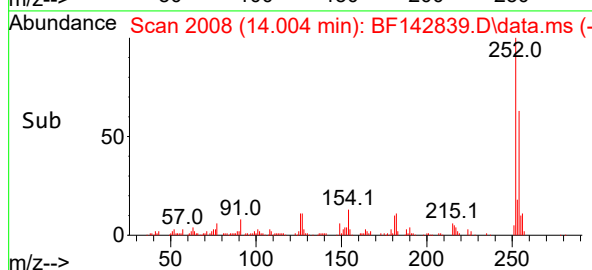
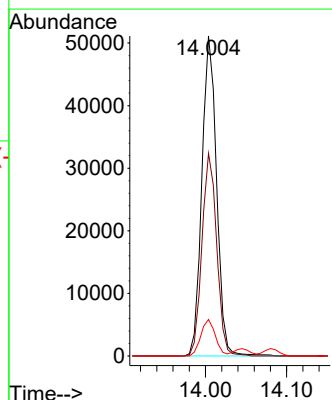
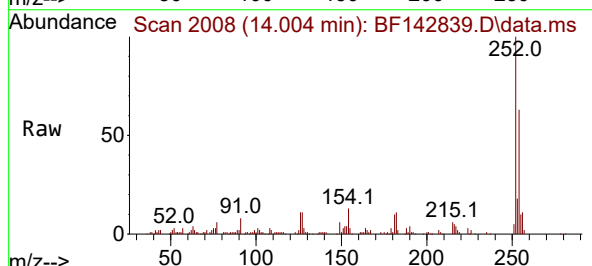
Instrument :
BNA_F
ClientSampleId :
PB168601BS

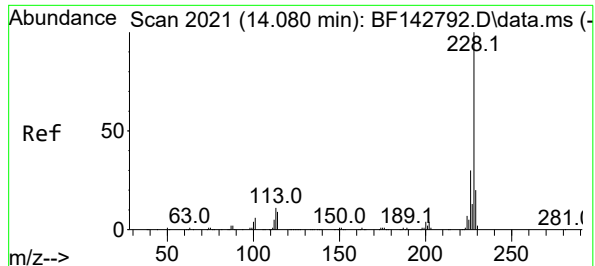
Tgt Ion:228 Resp: 452476
Ion Ratio Lower Upper
228 100
226 27.0 21.2 31.8
229 19.6 15.6 23.4



#82
3,3'-Dichlorobenzidine
Concen: 19.951 ng
RT: 14.004 min Scan# 2008
Delta R.T. 0.000 min
Lab File: BF142839.D
Acq: 25 Jun 2025 15:57

Tgt Ion:252 Resp: 64332
Ion Ratio Lower Upper
252 100
254 63.3 51.7 77.5
126 11.4 9.4 14.2





#83

Chrysene

Concen: 46.423 ng

RT: 14.080 min Scan# 2021

Delta R.T. 0.000 min

Lab File: BF142839.D

Acq: 25 Jun 2025 15:57

Instrument :

BNA_F

ClientSampleId :

PB168601BS

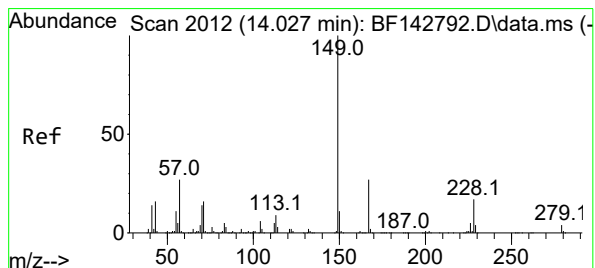
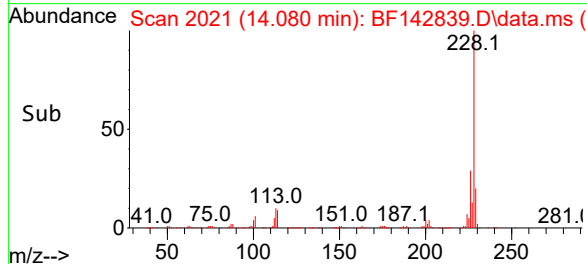
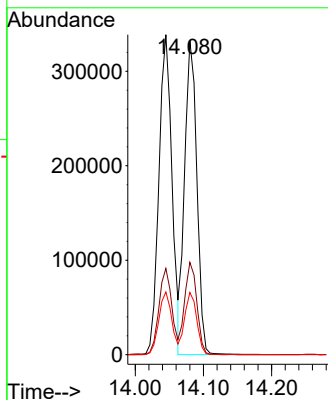
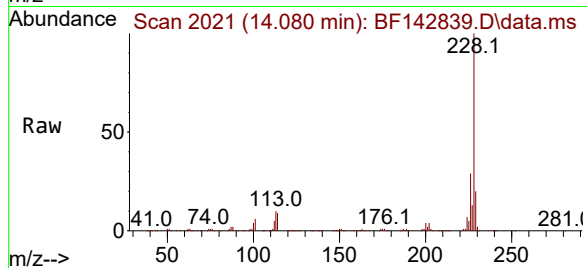
Tgt Ion:228 Resp: 411802

Ion Ratio Lower Upper

228 100

226 29.4 23.7 35.5

229 19.9 15.7 23.5



#84

Bis(2-ethylhexyl)phthalate

Concen: 55.187 ng

RT: 14.027 min Scan# 2012

Delta R.T. 0.000 min

Lab File: BF142839.D

Acq: 25 Jun 2025 15:57

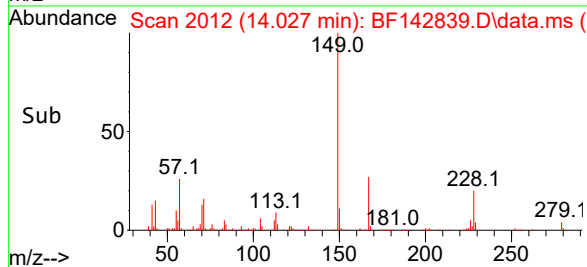
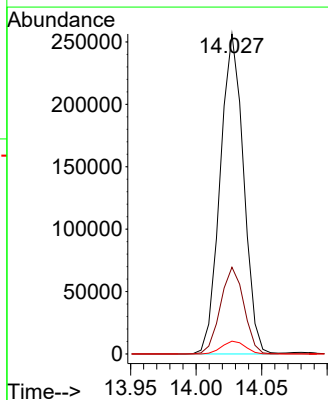
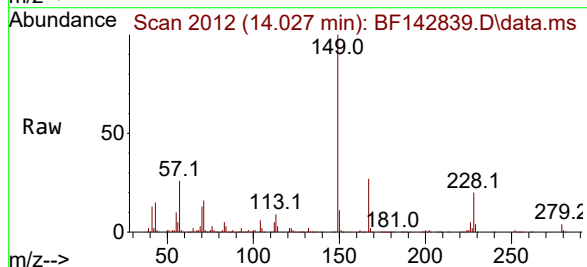
Tgt Ion:149 Resp: 318139

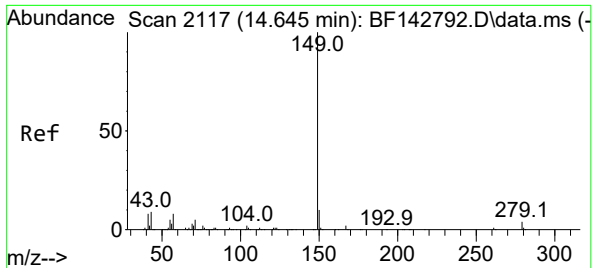
Ion Ratio Lower Upper

149 100

167 27.1 21.4 32.0

279 4.0 3.0 4.6

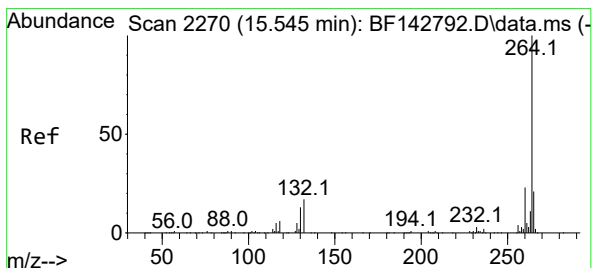
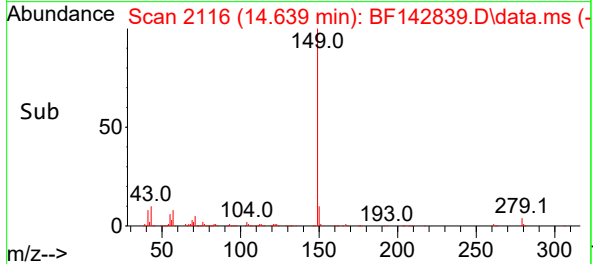
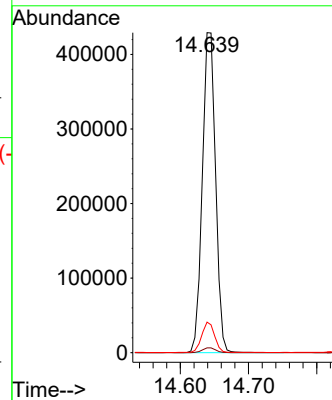
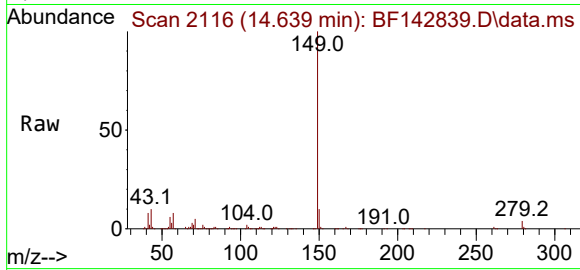




#85
Di-n-octyl phthalate
Concen: 53.232 ng
RT: 14.639 min Scan# 2117
Delta R.T. -0.006 min
Lab File: BF142839.D
Acq: 25 Jun 2025 15:57

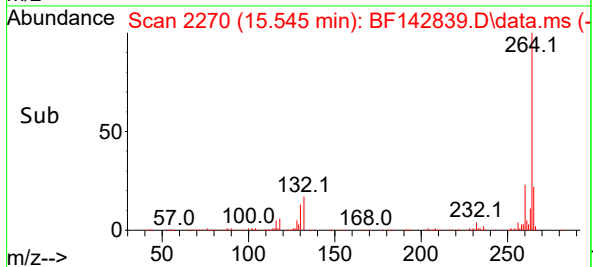
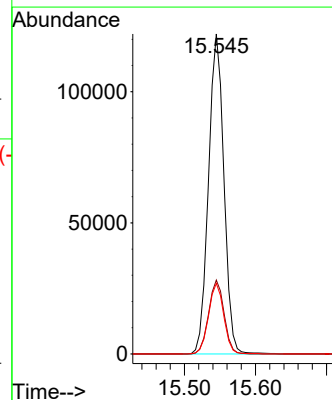
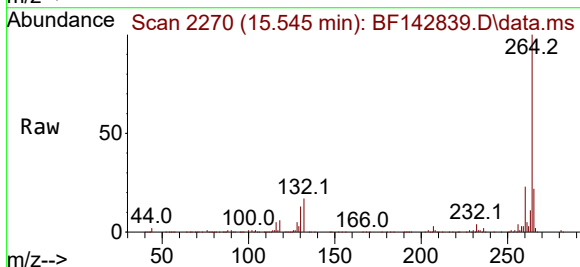
Instrument :
BNA_F
ClientSampleId :
PB168601BS

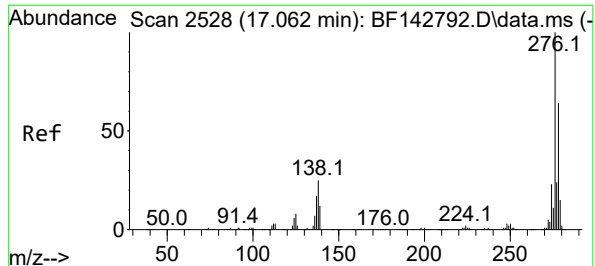
Tgt Ion:149 Resp: 578638
Ion Ratio Lower Upper
149 100
167 1.5 1.3 1.9
43 9.2 7.6 11.4



#86
Perylene-d12
Concen: 20.000 ng
RT: 15.545 min Scan# 2270
Delta R.T. 0.000 min
Lab File: BF142839.D
Acq: 25 Jun 2025 15:57

Tgt Ion:264 Resp: 184315
Ion Ratio Lower Upper
264 100
260 23.1 18.1 27.1
265 22.1 16.6 25.0





#87

Indeno(1,2,3-cd)pyrene

Concen: 42.968 ng

RT: 17.062 min Scan# 2196

Delta R.T. 0.000 min

Lab File: BF142839.D

Acq: 25 Jun 2025 15:57

Instrument :

BNA_F

ClientSampleId :

PB168601BS

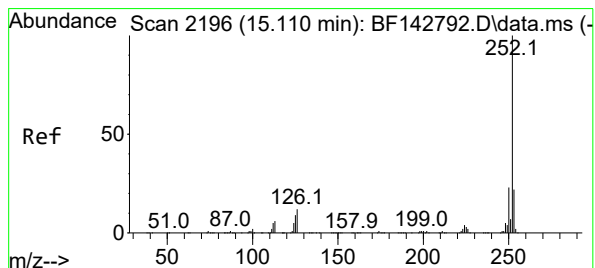
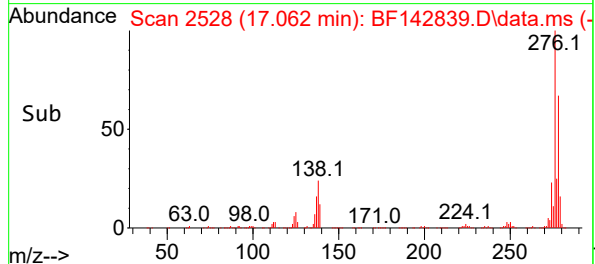
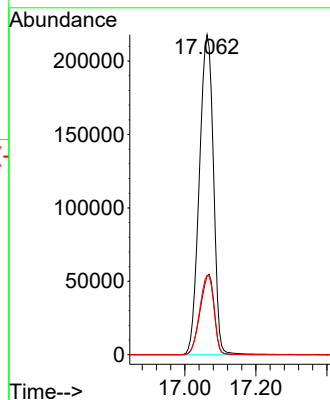
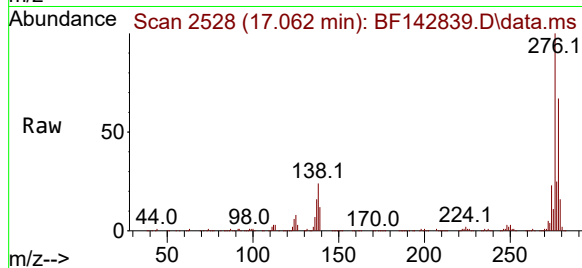
Tgt Ion:276 Resp: 603239

Ion Ratio Lower Upper

276 100

138 24.9 20.2 30.4

277 25.0 19.8 29.6



#88

Benzo(b)fluoranthene

Concen: 46.629 ng

RT: 15.110 min Scan# 2196

Delta R.T. 0.000 min

Lab File: BF142839.D

Acq: 25 Jun 2025 15:57

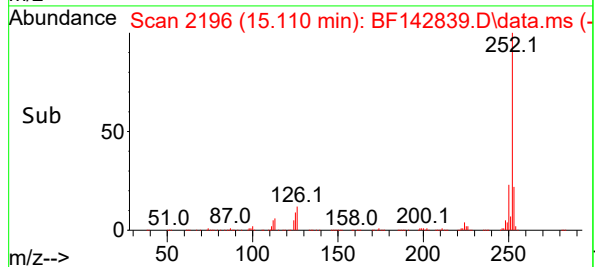
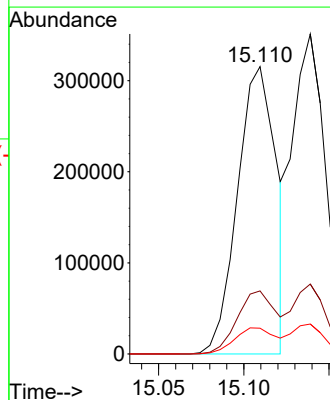
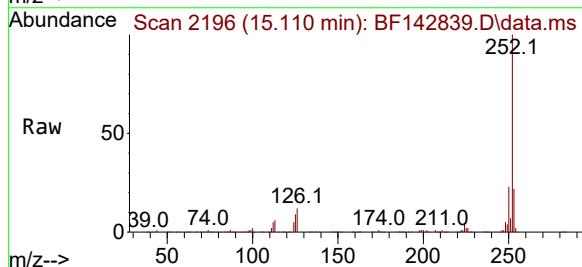
Tgt Ion:252 Resp: 497308

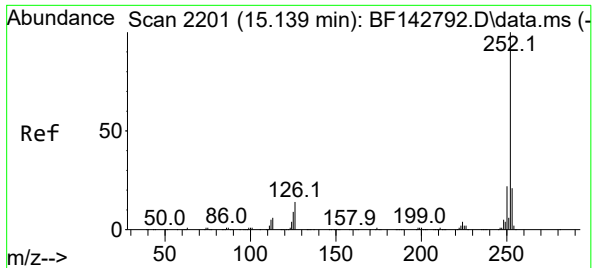
Ion Ratio Lower Upper

252 100

253 21.9 17.5 26.3

125 9.0 7.4 11.0





#89

Benzo(k)fluoranthene

Concen: 47.797 ng

RT: 15.139 min Scan# 21

Delta R.T. 0.000 min

Lab File: BF142839.D

Acq: 25 Jun 2025 15:57

Instrument :

BNA_F

ClientSampleId :

PB168601BS

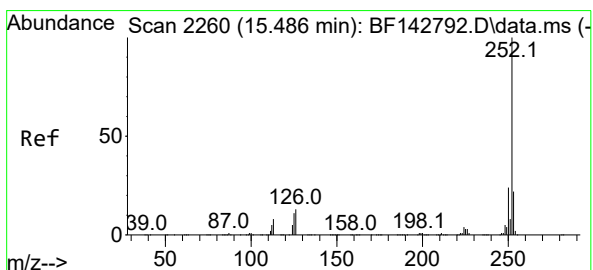
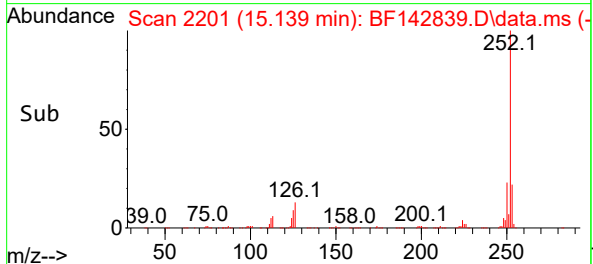
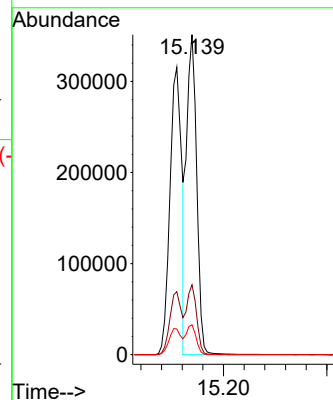
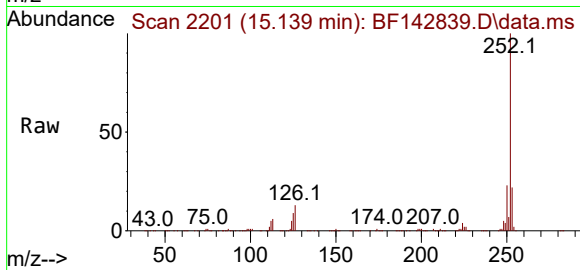
Tgt Ion:252 Resp: 476932

Ion Ratio Lower Upper

252 100

253 21.8 17.2 25.8

125 9.3 7.4 11.2



#90

Benzo(a)pyrene

Concen: 47.097 ng

RT: 15.486 min Scan# 2260

Delta R.T. 0.000 min

Lab File: BF142839.D

Acq: 25 Jun 2025 15:57

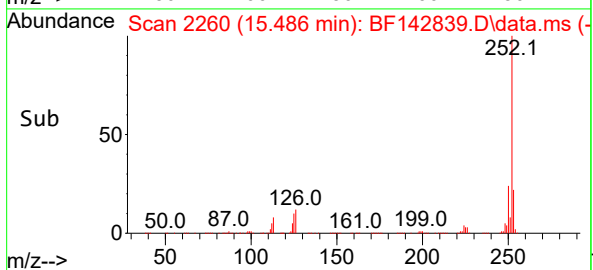
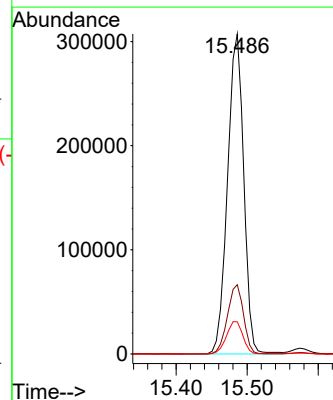
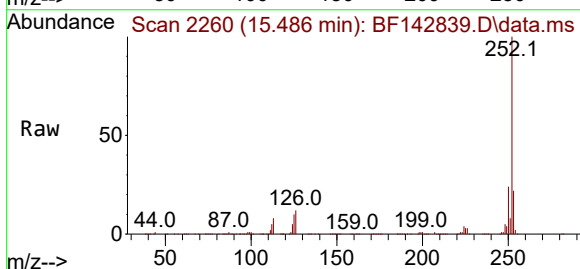
Tgt Ion:252 Resp: 485264

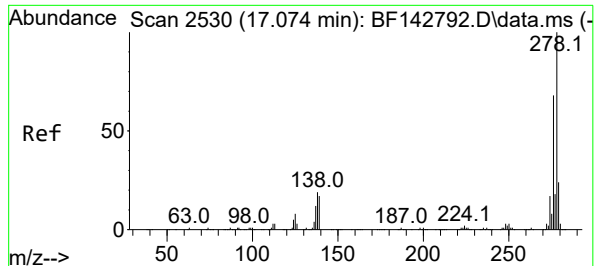
Ion Ratio Lower Upper

252 100

253 21.7 17.5 26.3

125 10.0 8.6 12.8





#91

Dibenzo(a,h)anthracene

Concen: 42.817 ng

RT: 17.074 min Scan# 21

Delta R.T. 0.000 min

Lab File: BF142839.D

Acq: 25 Jun 2025 15:57

Instrument :

BNA_F

ClientSampleId :

PB168601BS

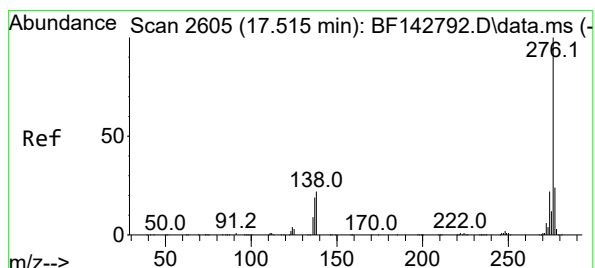
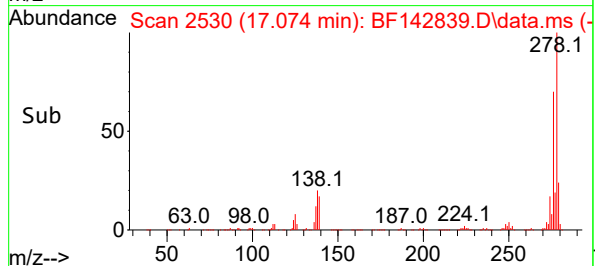
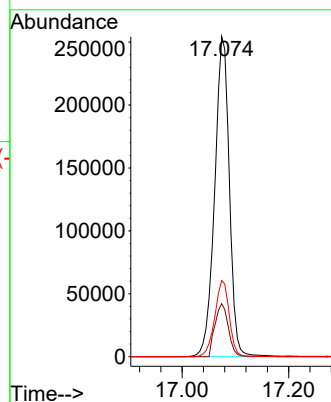
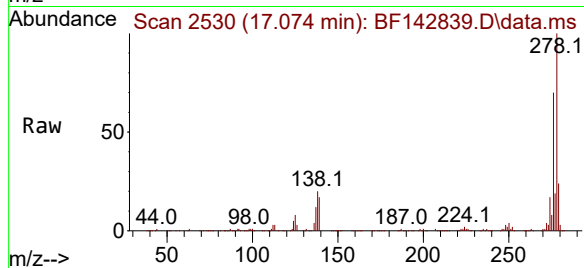
Tgt Ion:278 Resp: 488418

Ion Ratio Lower Upper

278 100

139 16.6 13.5 20.3

279 23.8 18.8 28.2



#92

Benzo(g,h,i)perylene

Concen: 42.630 ng

RT: 17.515 min Scan# 2605

Delta R.T. 0.000 min

Lab File: BF142839.D

Acq: 25 Jun 2025 15:57

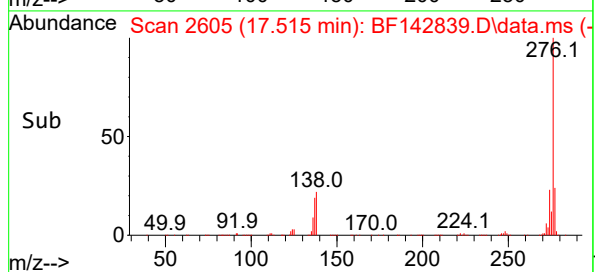
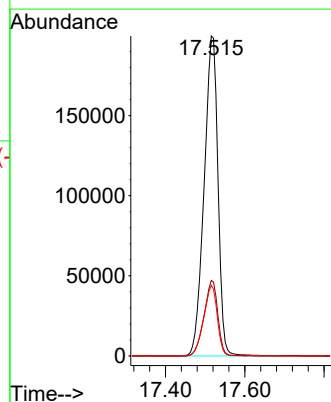
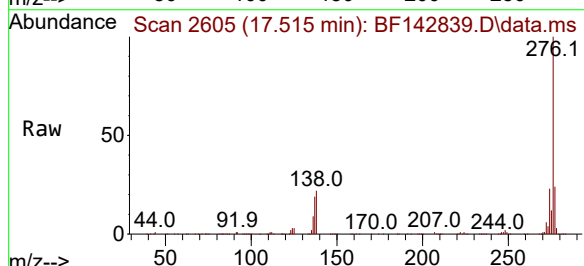
Tgt Ion:276 Resp: 484905

Ion Ratio Lower Upper

276 100

277 23.6 18.8 28.2

138 22.1 17.6 26.4



Report of Analysis

Client:	Union Paving & Construction Company	Date Collected:	06/23/25
Project:	190 Park Ave Hanover Twp NJ - PO 2556-001	Date Received:	06/23/25
Client Sample ID:	MH-K/LMS	SDG No.:	Q2393
Lab Sample ID:	Q2394-01MS	Matrix:	SOIL
Analytical Method:	8270E	% Solid:	86.3
Sample Wt/Vol:	50.05 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
BF142843.D	1	06/24/25 13:00	06/25/25 18:04	PB168601

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units(Dry Weight)
TARGETS						
100-52-7	Benzaldehyde	850		110	230	ug/Kg
108-95-2	Phenol	910		15.3	120	ug/Kg
111-44-4	bis(2-Chloroethyl)ether	930		16.9	120	ug/Kg
95-57-8	2-Chlorophenol	940		16.9	120	ug/Kg
95-48-7	2-Methylphenol	930		20.8	120	ug/Kg
108-60-1	2,2-oxybis(1-Chloropropane)	900		26.0	120	ug/Kg
98-86-2	Acetophenone	950		20.5	120	ug/Kg
65794-96-9	3+4-Methylphenols	940		28.5	230	ug/Kg
621-64-7	n-Nitroso-di-n-propylamine	950		32.9	55.6	ug/Kg
67-72-1	Hexachloroethane	920		12.2	120	ug/Kg
98-95-3	Nitrobenzene	950		12.7	120	ug/Kg
78-59-1	Isophorone	940		22.8	120	ug/Kg
88-75-5	2-Nitrophenol	990		40.4	120	ug/Kg
105-67-9	2,4-Dimethylphenol	930		45.0	120	ug/Kg
111-91-1	bis(2-Chloroethoxy)methane	950		21.4	120	ug/Kg
120-83-2	2,4-Dichlorophenol	950		19.7	120	ug/Kg
91-20-3	Naphthalene	950		15.8	120	ug/Kg
106-47-8	4-Chloroaniline	270		24.6	120	ug/Kg
87-68-3	Hexachlorobutadiene	950		17.6	120	ug/Kg
105-60-2	Caprolactam	950		36.2	230	ug/Kg
59-50-7	4-Chloro-3-methylphenol	910		19.9	120	ug/Kg
91-57-6	2-Methylnaphthalene	940		17.8	120	ug/Kg
77-47-4	Hexachlorocyclopentadiene	1800		80.6	230	ug/Kg
88-06-2	2,4,6-Trichlorophenol	950		13.8	120	ug/Kg
95-95-4	2,4,5-Trichlorophenol	940		20.2	120	ug/Kg
92-52-4	1,1-Biphenyl	970		15.1	120	ug/Kg
91-58-7	2-Chloronaphthalene	960		15.6	120	ug/Kg
88-74-4	2-Nitroaniline	920		33.4	120	ug/Kg
131-11-3	Dimethylphthalate	970		18.8	120	ug/Kg

Report of Analysis

Client:	Union Paving & Construction Company	Date Collected:	06/23/25
Project:	190 Park Ave Hanover Twp NJ - PO 2556-001	Date Received:	06/23/25
Client Sample ID:	MH-K/LMS	SDG No.:	Q2393
Lab Sample ID:	Q2394-01MS	Matrix:	SOIL
Analytical Method:	8270E	% Solid:	86.3
Sample Wt/Vol:	50.05 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
BF142843.D	1	06/24/25 13:00	06/25/25 18:04	PB168601

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units(Dry Weight)
208-96-8	Acenaphthylene	940		20.1	120	ug/Kg
606-20-2	2,6-Dinitrotoluene	960		23.3	120	ug/Kg
99-09-2	3-Nitroaniline	480		31.9	120	ug/Kg
83-32-9	Acenaphthene	1000		14.8	120	ug/Kg
51-28-5	2,4-Dinitrophenol	1600		160	230	ug/Kg
100-02-7	4-Nitrophenol	1500		74.3	230	ug/Kg
132-64-9	Dibenzofuran	920		15.8	120	ug/Kg
121-14-2	2,4-Dinitrotoluene	910		34.8	120	ug/Kg
84-66-2	Diethylphthalate	950		19.7	120	ug/Kg
7005-72-3	4-Chlorophenyl-phenylether	920		18.5	120	ug/Kg
86-73-7	Fluorene	900		17.6	120	ug/Kg
100-01-6	4-Nitroaniline	800		44.6	120	ug/Kg
534-52-1	4,6-Dinitro-2-methylphenol	950		71.5	230	ug/Kg
86-30-6	n-Nitrosodiphenylamine	1100		22.9	120	ug/Kg
101-55-3	4-Bromophenyl-phenylether	1100		19.3	120	ug/Kg
118-74-1	Hexachlorobenzene	1000		17.6	120	ug/Kg
1912-24-9	Atrazine	1100		23.6	120	ug/Kg
87-86-5	Pentachlorophenol	1700		35.6	230	ug/Kg
85-01-8	Phenanthrene	950		14.5	120	ug/Kg
120-12-7	Anthracene	940		23.1	120	ug/Kg
86-74-8	Carbazole	860		21.7	120	ug/Kg
84-74-2	Di-n-butylphthalate	1000		33.3	120	ug/Kg
206-44-0	Fluoranthene	830		20.8	120	ug/Kg
129-00-0	Pyrene	620		25.0	120	ug/Kg
85-68-7	Butylbenzylphthalate	930		49.6	120	ug/Kg
91-94-1	3,3-Dichlorobenzidine	380		25.5	230	ug/Kg
56-55-3	Benzo(a)anthracene	960		16.0	120	ug/Kg
218-01-9	Chrysene	990		13.8	120	ug/Kg
117-81-7	Bis(2-ethylhexyl)phthalate	1000		41.1	120	ug/Kg
117-84-0	Di-n-octyl phthalate	1000		60.3	230	ug/Kg
205-99-2	Benzo(b)fluoranthene	1000		13.2	120	ug/Kg

Report of Analysis

Client:	Union Paving & Construction Company	Date Collected:	06/23/25
Project:	190 Park Ave Hanover Twp NJ - PO 2556-001	Date Received:	06/23/25
Client Sample ID:	MH-K/LMS	SDG No.:	Q2393
Lab Sample ID:	Q2394-01MS	Matrix:	SOIL
Analytical Method:	8270E	% Solid:	86.3
Sample Wt/Vol:	50.05 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
BF142843.D	1	06/24/25 13:00	06/25/25 18:04	PB168601

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units(Dry Weight)
207-08-9	Benzo(k)fluoranthene	1000		15.6	120	ug/Kg
50-32-8	Benzo(a)pyrene	1000		20.5	120	ug/Kg
193-39-5	Indeno(1,2,3-cd)pyrene	560		20.2	120	ug/Kg
53-70-3	Dibenzo(a,h)anthracene	570		19.0	120	ug/Kg
191-24-2	Benzo(g,h,i)perylene	490		17.9	120	ug/Kg
95-94-3	1,2,4,5-Tetrachlorobenzene	980		17.8	120	ug/Kg
123-91-1	1,4-Dioxane	820		31.4	120	ug/Kg
58-90-2	2,3,4,6-Tetrachlorophenol	870		19.0	120	ug/Kg
SURROGATES						
367-12-4	2-Fluorophenol	94.0		18 - 112	63%	SPK: 150
13127-88-3	Phenol-d6	95.7		15 - 107	64%	SPK: 150
4165-60-0	Nitrobenzene-d5	60.3		18 - 107	60%	SPK: 100
321-60-8	2-Fluorobiphenyl	58.9		20 - 109	59%	SPK: 100
118-79-6	2,4,6-Tribromophenol	88.4		10 - 116	59%	SPK: 150
1718-51-0	Terphenyl-d14	38.6		10 - 105	39%	SPK: 100
INTERNAL STANDARDS						
3855-82-1	1,4-Dichlorobenzene-d4	88500	6.875			
1146-65-2	Naphthalene-d8	329000	8.163			
15067-26-2	Acenaphthene-d10	166000	9.922			
1517-22-2	Phenanthrene-d10	228000	11.41			
1719-03-5	Chrysene-d12	166000	14.057			
1520-96-3	Perylene-d12	198000	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\BF062525\
 Data File : BF142843.D
 Acq On : 25 Jun 2025 18:04
 Operator : RC/JU
 Sample : Q2394-01MS
 Misc :
 ALS Vial : 11 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 MH-K/LMS

Quant Time: Jun 25 18:35:22 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	6.875	152	88519	20.000	ng	0.00
21) Naphthalene-d8	8.163	136	329491	20.000	ng	0.00
39) Acenaphthene-d10	9.922	164	165682	20.000	ng	0.00
64) Phenanthrene-d10	11.410	188	227501	20.000	ng	0.00
76) Chrysene-d12	14.057	240	165966	20.000	ng	0.00
86) Perylene-d12	15.545	264	197780	20.000	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.504	112	499572	93.963	ng	0.01
7) Phenol-d6	6.510	99	600360	95.711	ng	0.00
23) Nitrobenzene-d5	7.439	82	362464	60.340	ng	0.00
42) 2,4,6-Tribromophenol	10.710	330	150754	88.420	ng	0.00
45) 2-Fluorobiphenyl	9.239	172	742296	58.856	ng	0.00
79) Terphenyl-d14	12.992	244	463419	38.581	ng	0.00
Target Compounds						
						Qvalue
2) 1,4-Dioxane	2.710	88	75011	35.274	ng	100
3) Pyridine	3.475	79	200057	37.526	ng	99
4) n-Nitrosodimethylamine	3.428	42	107913	39.144	ng	100
6) Aniline	6.540	93	217621	26.074	ng	# 87
8) 2-Chlorophenol	6.663	128	233842	40.773	ng	98
9) Benzaldehyde	6.428	77	137324	36.901	ng	99
10) Phenol	6.528	94	273460	39.220	ng	90
11) bis(2-Chloroethyl)ether	6.610	93	199815	40.096	ng	99
12) 1,3-Dichlorobenzene	6.816	146	255057	39.765	ng	99
13) 1,4-Dichlorobenzene	6.892	146	253276	39.138	ng	99
14) 1,2-Dichlorobenzene	7.045	146	244651	39.858	ng	99
15) Benzyl Alcohol	7.022	79	185058	40.809	ng	100
16) 2,2'-oxybis(1-Chloropr...	7.151	45	311726	38.934	ng	95
17) 2-Methylphenol	7.134	107	174992	40.263	ng	98
18) Hexachloroethane	7.387	117	90157	39.831	ng	98
19) n-Nitroso-di-n-propyla...	7.292	70	148962	40.832	ng	97
20) 3+4-Methylphenols	7.287	107	219249	40.459	ng	96
22) Acetophenone	7.287	105	297693	40.971	ng	97
24) Nitrobenzene	7.463	77	222065	40.844	ng	97
25) Isophorone	7.698	82	393119	40.796	ng	100
26) 2-Nitrophenol	7.781	139	127098	42.914	ng	96
27) 2,4-Dimethylphenol	7.816	122	206921	40.334	ng	100
28) bis(2-Chloroethoxy)met...	7.910	93	252403	41.200	ng	100
29) 2,4-Dichlorophenol	8.022	162	190142	40.876	ng	99
30) 1,2,4-Trichlorobenzene	8.104	180	208686	40.798	ng	99
31) Naphthalene	8.186	128	662234	41.061	ng	100
32) Benzoic acid	7.928	122	97920	37.448	ng	96
33) 4-Chloroaniline	8.234	127	77471	11.813	ng	98
34) Hexachlorobutadiene	8.298	225	127754	40.832	ng	99
35) Caprolactam	8.604	113	50110	40.824	ng	98
36) 4-Chloro-3-methylphenol	8.716	107	182369	39.448	ng	100
37) 2-Methylnaphthalene	8.875	142	404875	40.492	ng	100
38) 1-Methylnaphthalene	8.975	142	419225	40.502	ng	99
40) 1,2,4,5-Tetrachloroben...	9.045	216	206370	42.213	ng	99
41) Hexachlorocyclopentadiene	9.028	237	215010	77.502	ng	100
43) 2,4,6-Trichlorophenol	9.157	196	131094	41.152	ng	100

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF062525\
 Data File : BF142843.D
 Acq On : 25 Jun 2025 18:04
 Operator : RC/JU
 Sample : Q2394-01MS
 Misc :
 ALS Vial : 11 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 MH-K/LMS

Quant Time: Jun 25 18:35:22 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

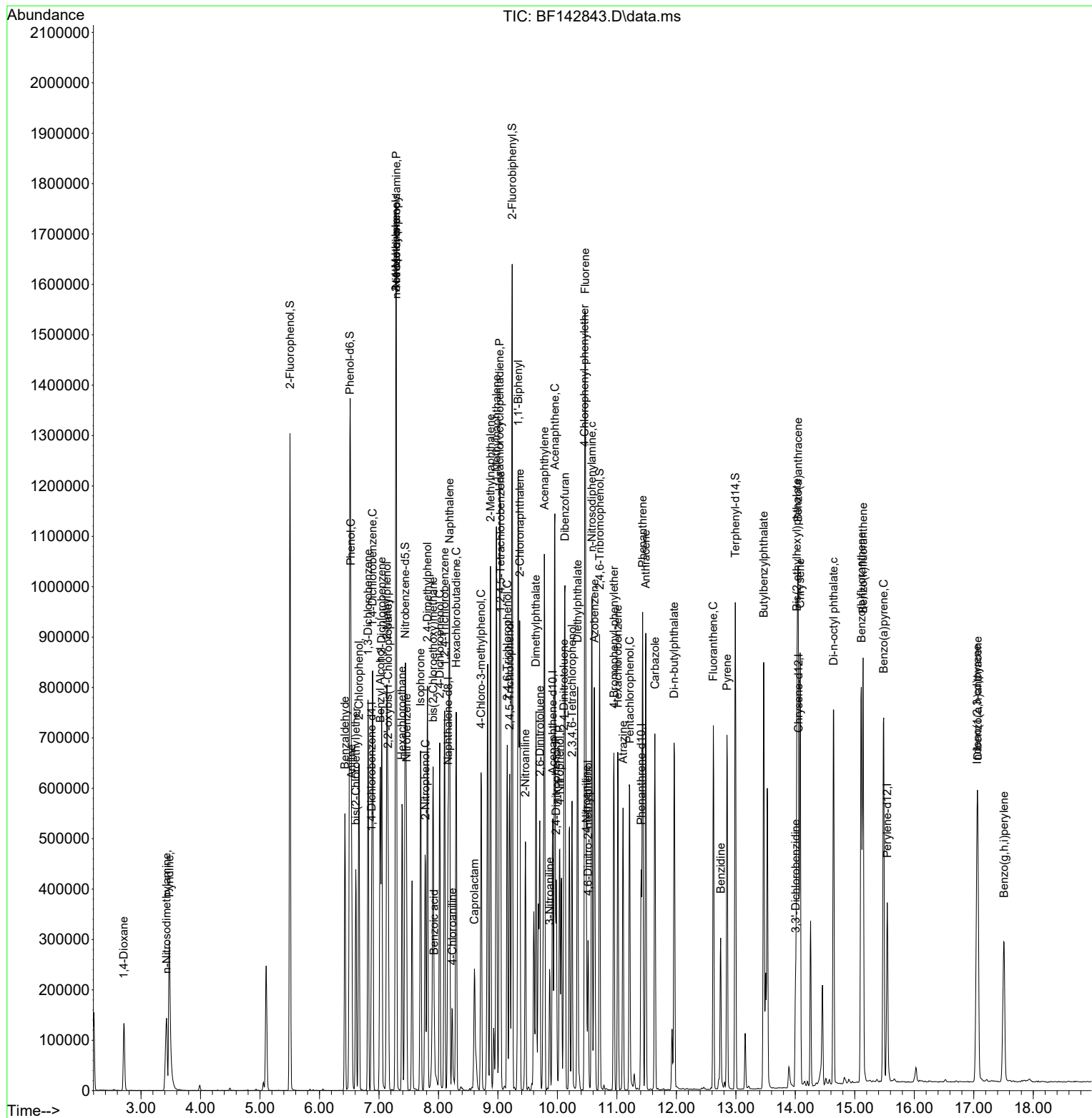
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
44) 2,4,5-Trichlorophenol	9.198	196	136008	40.558	ng	99
46) 1,1'-Biphenyl	9.339	154	547245	41.813	ng	100
47) 2-Chloronaphthalene	9.369	162	405690	41.306	ng	99
48) 2-Nitroaniline	9.463	65	109486	39.762	ng	95
49) Acenaphthylene	9.781	152	656449	40.601	ng	100
50) Dimethylphthalate	9.639	163	450728	42.027	ng	100
51) 2,6-Dinitrotoluene	9.704	165	97227	41.281	ng	99
52) Acenaphthene	9.957	154	424561	43.038	ng	99
53) 3-Nitroaniline	9.869	138	53290	20.550	ng	99
54) 2,4-Dinitrophenol	9.980	184	80048	67.877	ng	99
55) Dibenzofuran	10.128	168	563126	39.809	ng	99
56) 4-Nitrophenol	10.039	139	115198	64.891	ng	98
57) 2,4-Dinitrotoluene	10.110	165	122816	39.258	ng	98
58) Fluorene	10.469	166	429288	38.858	ng	100
59) 2,3,4,6-Tetrachlorophenol	10.245	232	101337	37.490	ng	96
60) Diethylphthalate	10.339	149	430342	40.925	ng	100
61) 4-Chlorophenyl-phenyle...	10.457	204	208769	39.601	ng	99
62) 4-Nitroaniline	10.486	138	81554	34.388	ng	98
63) Azobenzene	10.622	77	400040	42.566	ng	95
65) 4,6-Dinitro-2-methylph...	10.516	198	56551	41.096	ng	94
66) n-Nitrosodiphenylamine	10.580	169	360840	45.765	ng	99
67) 4-Bromophenyl-phenylether	10.951	248	120669	46.605	ng	97
68) Hexachlorobenzene	11.016	284	129337	44.955	ng	98
69) Atrazine	11.104	200	94788	46.555	ng	99
70) Pentachlorophenol	11.216	266	107120	74.720	ng	97
71) Phenanthrene	11.433	178	505523	41.020	ng	100
72) Anthracene	11.486	178	513353	40.616	ng	100
73) Carbazole	11.639	167	404102	37.050	ng	100
74) Di-n-butylphthalate	11.963	149	511965	45.058	ng	100
75) Fluoranthene	12.621	202	420643	35.965	ng	100
77) Benzidine	12.745	184	165026	26.465	ng	99
78) Pyrene	12.851	202	417496	26.837	ng	99
80) Butylbenzylphthalate	13.469	149	181793	40.286	ng	97
81) Benzo(a)anthracene	14.045	228	463653	41.412	ng	100
82) 3,3'-Dichlorobenzidine	14.004	252	59405	16.358	ng	98
83) Chrysene	14.080	228	425822	42.622	ng	99
84) Bis(2-ethylhexyl)phtha...	14.027	149	283606	43.681	ng	100
85) Di-n-octyl phthalate	14.645	149	541947	44.267	ng	99
87) Indeno(1,2,3-cd)pyrene	17.057	276	365312	24.250	ng	99
88) Benzo(b)fluoranthene	15.110	252	512125	44.749	ng	100
89) Benzo(k)fluoranthene	15.139	252	484313	45.233	ng	99
90) Benzo(a)pyrene	15.486	252	475618	43.019	ng	99
91) Dibenzo(a,h)anthracene	17.068	278	299177	24.442	ng	99
92) Benzo(g,h,i)perylene	17.509	276	257081	21.062	ng	99

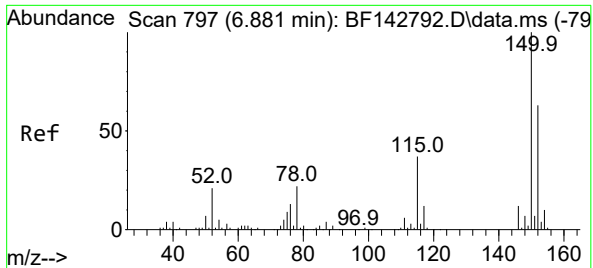
(#) = qualifier out of range (m) = manual integration (+) = signals summed


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Data File : BF142843.D  
Acq On    : 25 Jun 2025  18:04  
Operator  : RC/JU  
Sample    : Q2394-01MS  
Misc      :  
ALS Vial  : 11    Sample Multiplier: 1
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Instrument :
BNA_F
ClientSampleId :
MH-K/LMS

Quant Time: Jun 25 18:35:22 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

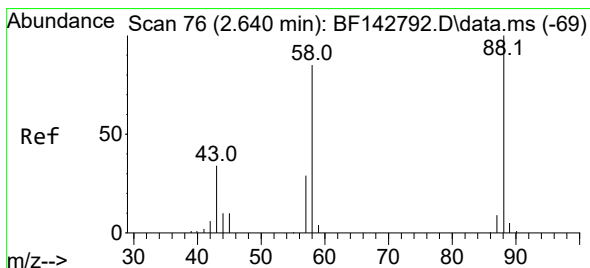
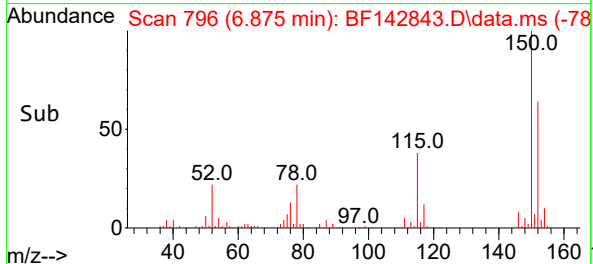
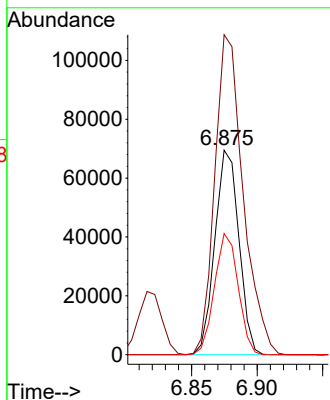
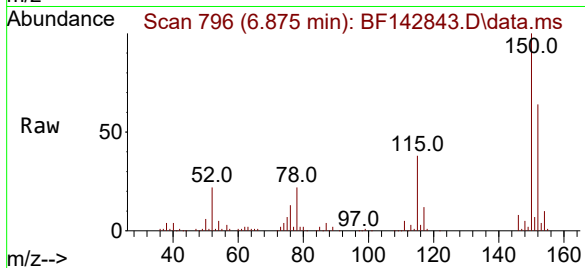




#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.875 min Scan# 79
Delta R.T. -0.006 min
Lab File: BF142843.D
Acq: 25 Jun 2025 18:04

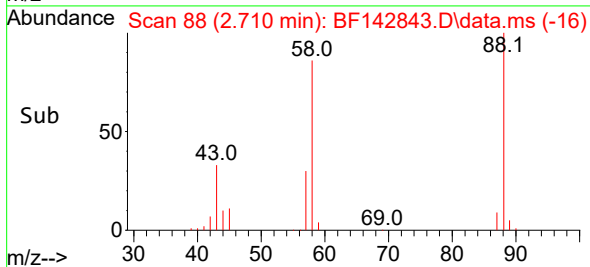
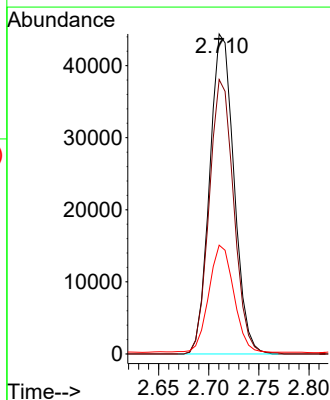
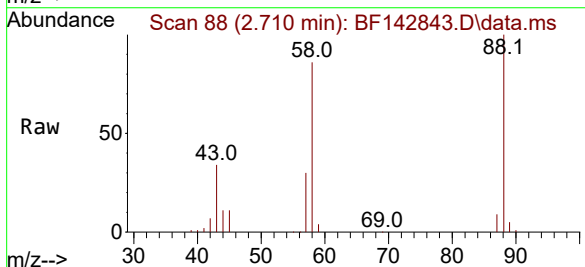
Instrument :
BNA_F
ClientSampleId :
MH-K/LMS

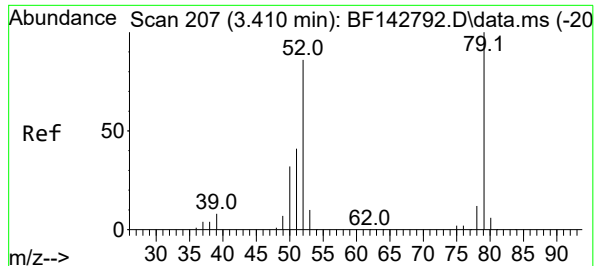
Tgt Ion:152 Resp: 88519
Ion Ratio Lower Upper
152 100
150 156.5 127.2 190.8
115 59.2 46.6 69.8



#2
1,4-Dioxane
Concen: 35.274 ng
RT: 2.710 min Scan# 88
Delta R.T. 0.071 min
Lab File: BF142843.D
Acq: 25 Jun 2025 18:04

Tgt Ion: 88 Resp: 75011
Ion Ratio Lower Upper
88 100
58 86.4 69.1 103.7
43 35.1 27.4 41.2

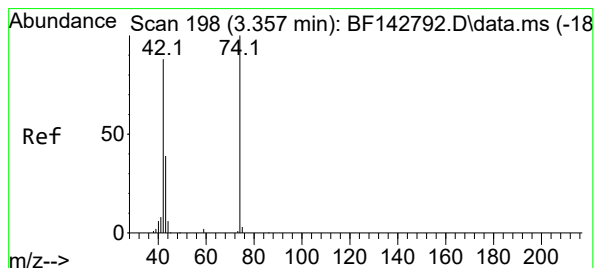
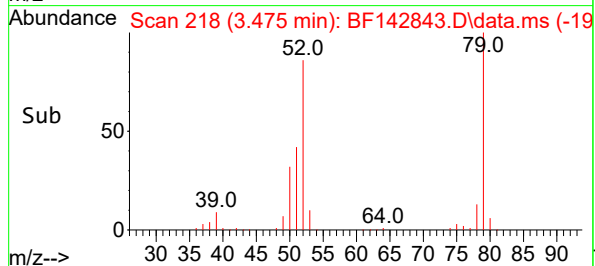
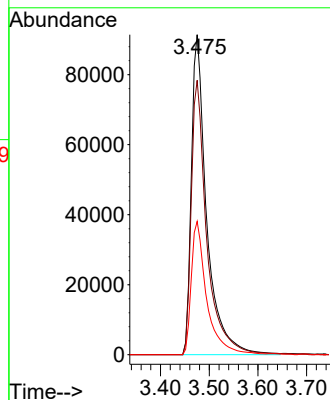
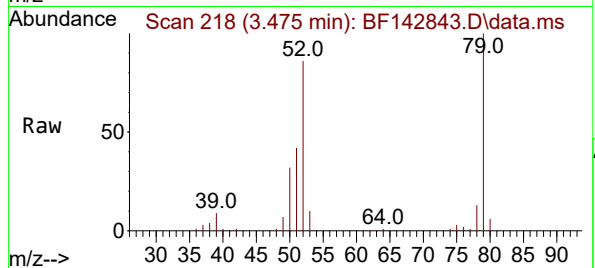




#3
Pyridine
Concen: 37.526 ng
RT: 3.475 min Scan# 210
Delta R.T. 0.065 min
Lab File: BF142843.D
Acq: 25 Jun 2025 18:04

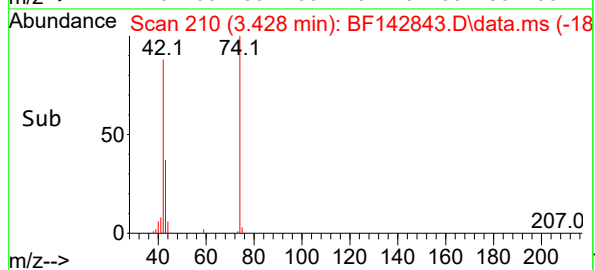
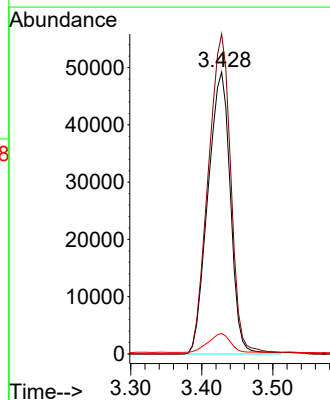
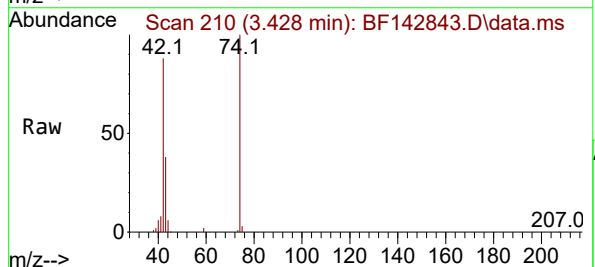
Instrument :
BNA_F
ClientSampleId :
MH-K/LMS

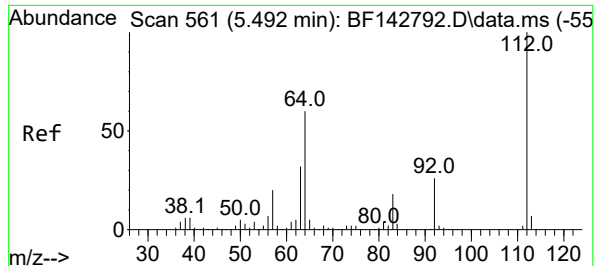
Tgt Ion: 79 Resp: 200057
Ion Ratio Lower Upper
79 100
52 85.7 69.2 103.8
51 41.7 33.2 49.8



#4
n-Nitrosodimethylamine
Concen: 39.144 ng
RT: 3.428 min Scan# 210
Delta R.T. 0.071 min
Lab File: BF142843.D
Acq: 25 Jun 2025 18:04

Tgt Ion: 42 Resp: 107913
Ion Ratio Lower Upper
42 100
74 113.5 90.9 136.3
44 7.2 5.8 8.6





#5

2-Fluorophenol

Concen: 93.963 ng

RT: 5.504 min Scan# 50

Delta R.T. 0.012 min

Lab File: BF142843.D

Acq: 25 Jun 2025 18:04

Instrument :

BNA_F

ClientSampleId :

MH-K/LMS

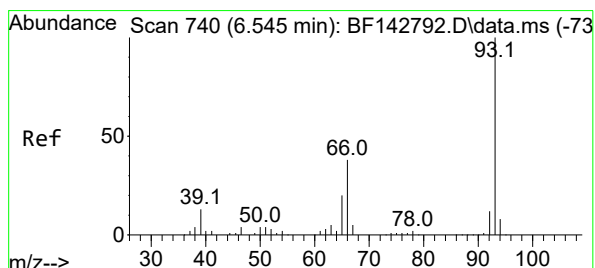
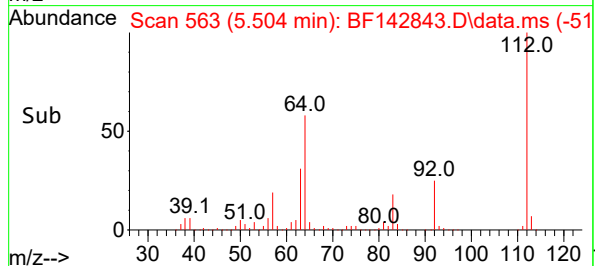
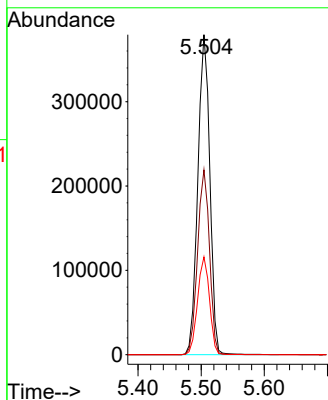
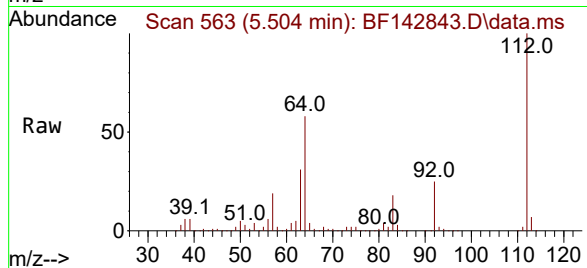
Tgt Ion:112 Resp: 499572

Ion Ratio Lower Upper

112 100

64 57.8 48.2 72.2

63 30.5 25.7 38.5



#6

Aniline

Concen: 26.074 ng

RT: 6.540 min Scan# 739

Delta R.T. -0.006 min

Lab File: BF142843.D

Acq: 25 Jun 2025 18:04

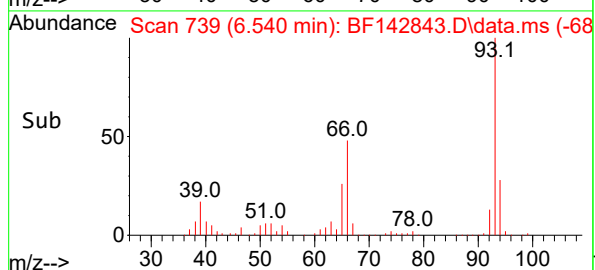
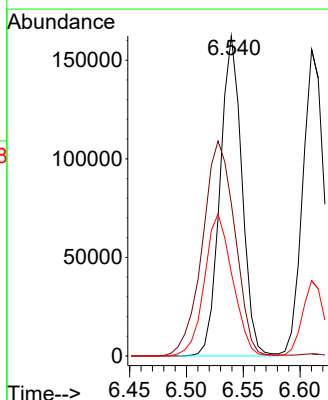
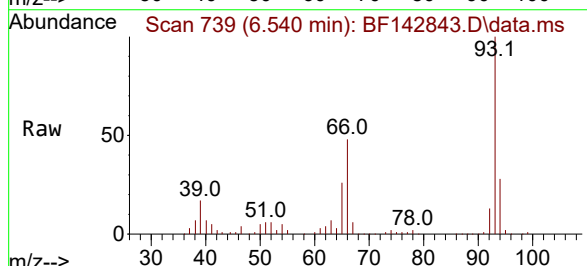
Tgt Ion: 93 Resp: 217621

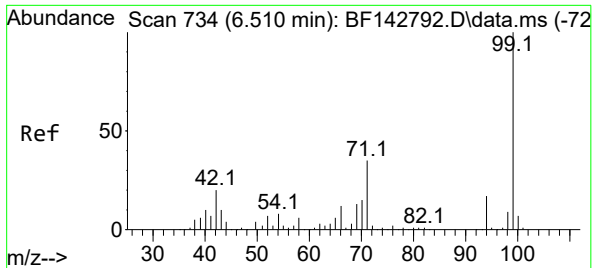
Ion Ratio Lower Upper

93 100

66 47.6 31.8 47.6#

65 26.0 16.2 24.2#

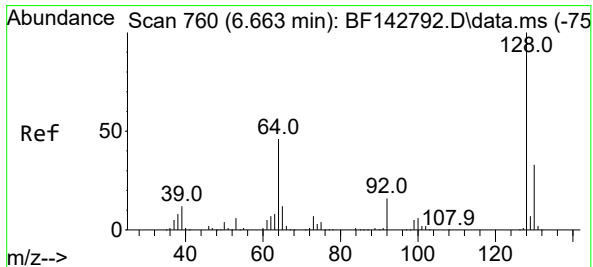
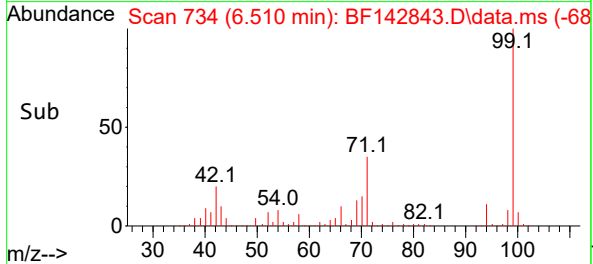
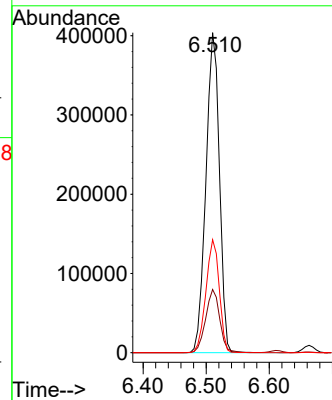
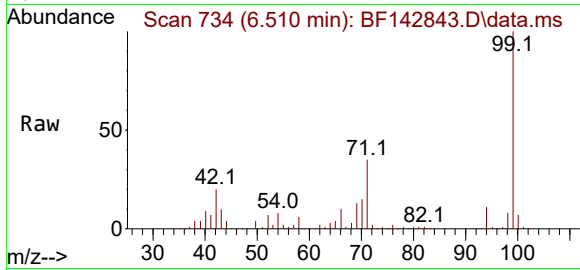




#7
Phenol-d6
Concen: 95.711 ng
RT: 6.510 min Scan# 711
Delta R.T. 0.000 min
Lab File: BF142843.D
Acq: 25 Jun 2025 18:04

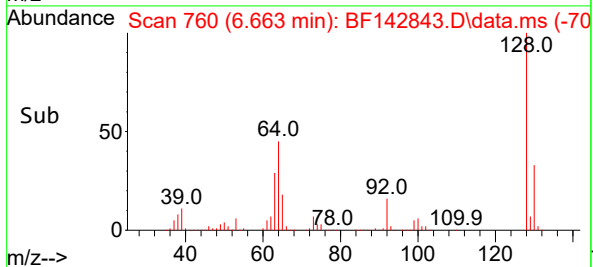
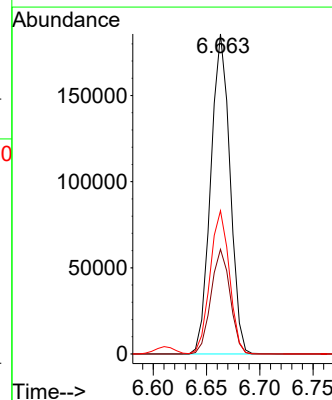
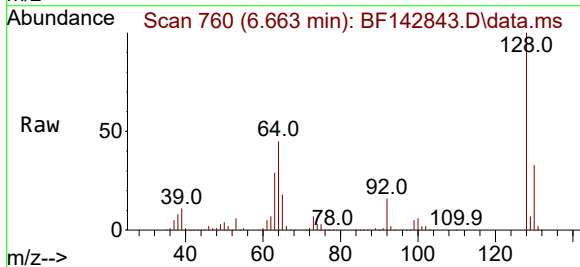
Instrument :
BNA_F
ClientSampleId :
MH-K/LMS

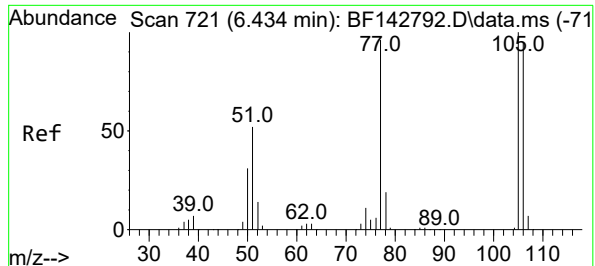
Tgt Ion: 99 Resp: 600360
Ion Ratio Lower Upper
99 100
42 19.8 15.9 23.9
71 35.3 27.8 41.8



#8
2-Chlorophenol
Concen: 40.773 ng
RT: 6.663 min Scan# 760
Delta R.T. 0.000 min
Lab File: BF142843.D
Acq: 25 Jun 2025 18:04

Tgt Ion: 128 Resp: 233842
Ion Ratio Lower Upper
128 100
130 32.7 12.7 52.7
64 44.7 26.5 66.5





#9

Benzaldehyde

Concen: 36.901 ng

RT: 6.428 min Scan# 71

Delta R.T. -0.006 min

Lab File: BF142843.D

Acq: 25 Jun 2025 18:04

Instrument :

BNA_F

ClientSampleId :

MH-K/LMS

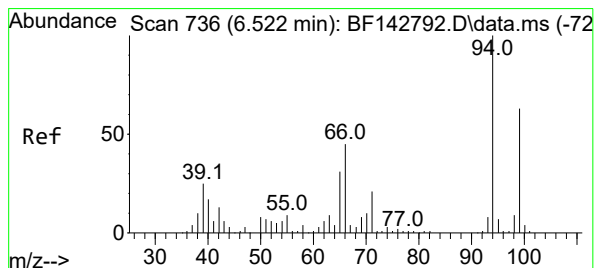
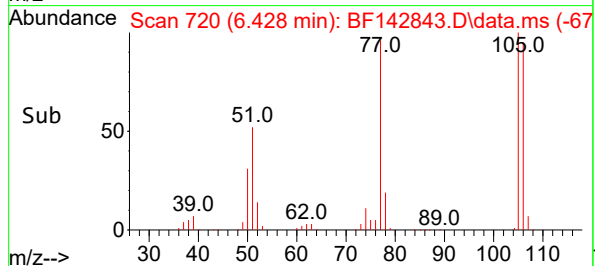
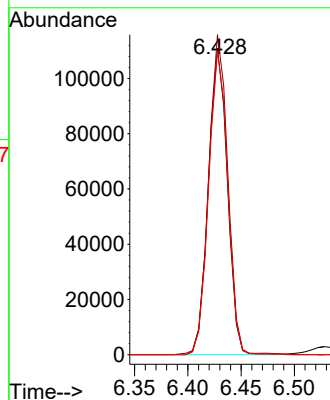
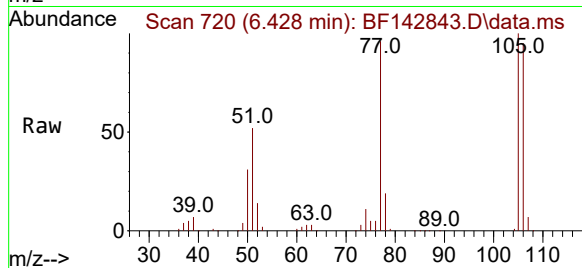
Tgt Ion: 77 Resp: 137324

Ion Ratio Lower Upper

77 100

105 104.5 83.8 123.8

106 99.1 78.7 118.7



#10

Phenol

Concen: 39.220 ng

RT: 6.528 min Scan# 737

Delta R.T. 0.006 min

Lab File: BF142843.D

Acq: 25 Jun 2025 18:04

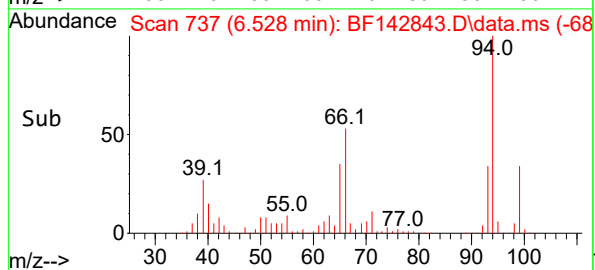
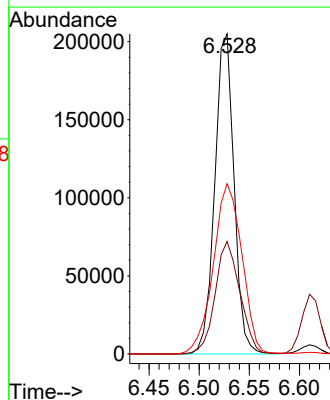
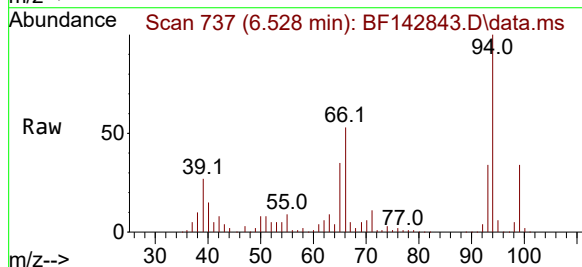
Tgt Ion: 94 Resp: 273460

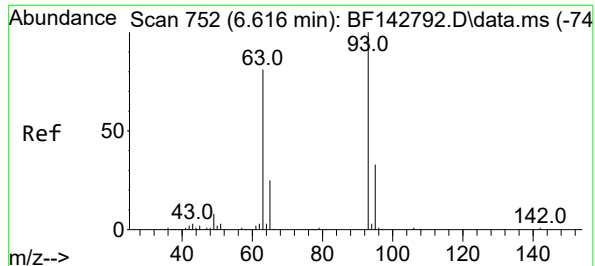
Ion Ratio Lower Upper

94 100

65 35.2 11.3 51.3

66 53.2 24.9 64.9

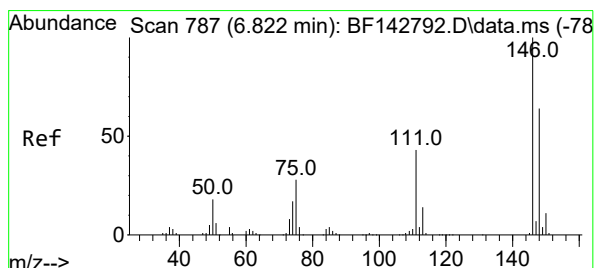
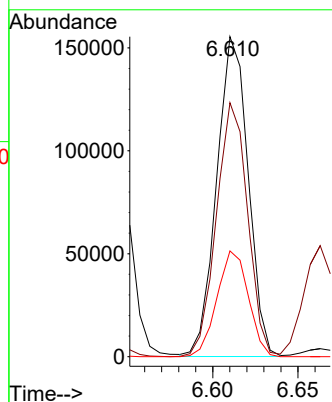
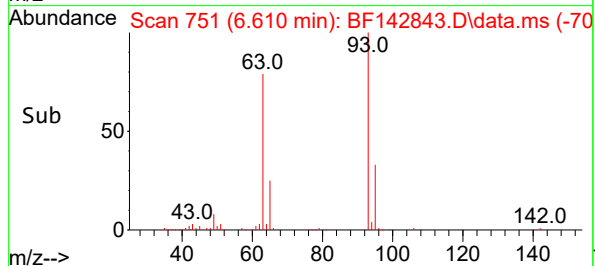
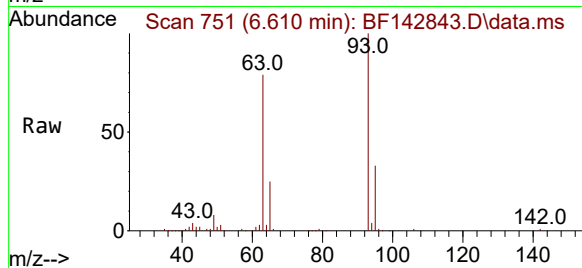




#11
 bis(2-Chloroethyl)ether
 Concen: 40.096 ng
 RT: 6.610 min Scan# 751
 Delta R.T. -0.006 min
 Lab File: BF142843.D
 Acq: 25 Jun 2025 18:04

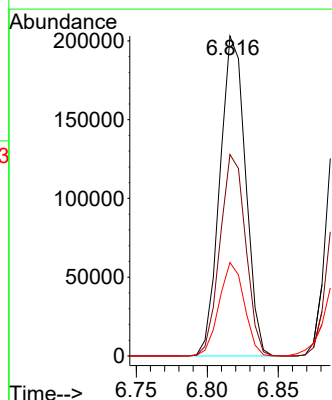
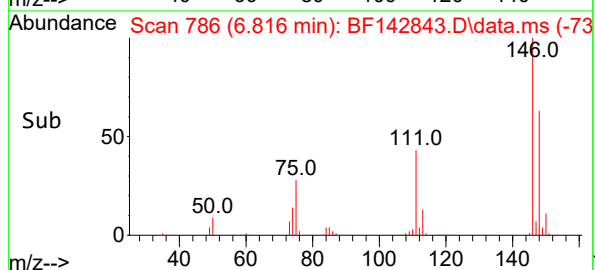
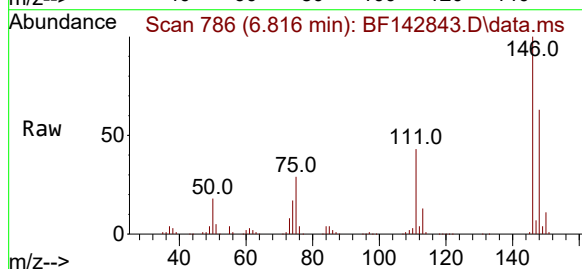
Instrument :
 BNA_F
 ClientSampleId :
 MH-K/LMS

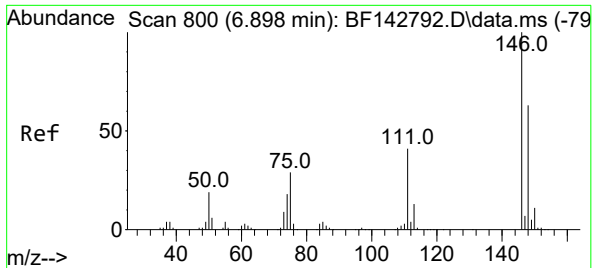
Tgt Ion: 93 Resp: 199815
 Ion Ratio Lower Upper
 93 100
 63 79.4 60.3 100.3
 95 33.0 12.5 52.5



#12
 1,3-Dichlorobenzene
 Concen: 39.765 ng
 RT: 6.816 min Scan# 786
 Delta R.T. -0.006 min
 Lab File: BF142843.D
 Acq: 25 Jun 2025 18:04

Tgt Ion: 146 Resp: 255057
 Ion Ratio Lower Upper
 146 100
 148 63.0 51.1 76.7
 75 29.2 22.7 34.1





#13

1,4-Dichlorobenzene

Concen: 39.138 ng

RT: 6.892 min Scan# 79

Delta R.T. -0.006 min

Lab File: BF142843.D

Acq: 25 Jun 2025 18:04

Instrument :

BNA_F

ClientSampleId :

MH-K/LMS

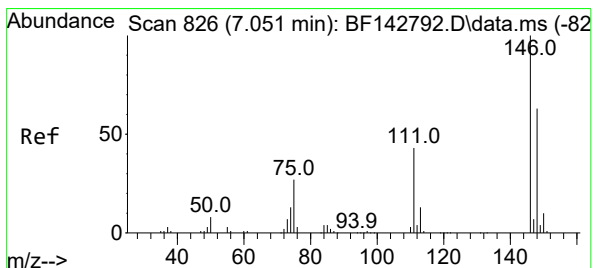
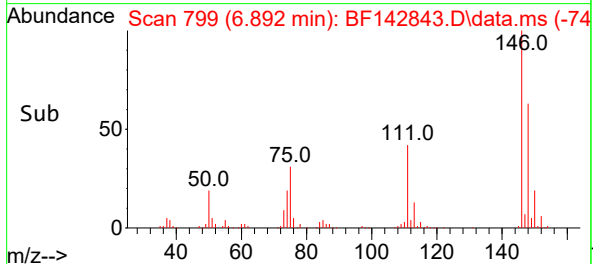
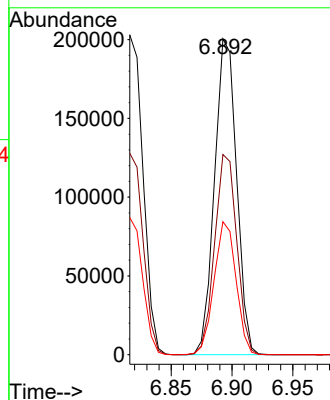
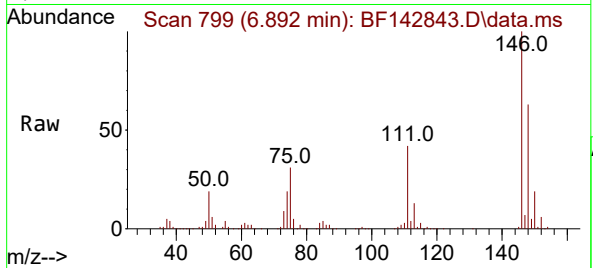
Tgt Ion:146 Resp: 253276

Ion Ratio Lower Upper

146 100

148 63.4 50.2 75.2

111 42.1 33.2 49.8



#14

1,2-Dichlorobenzene

Concen: 39.858 ng

RT: 7.045 min Scan# 825

Delta R.T. -0.006 min

Lab File: BF142843.D

Acq: 25 Jun 2025 18:04

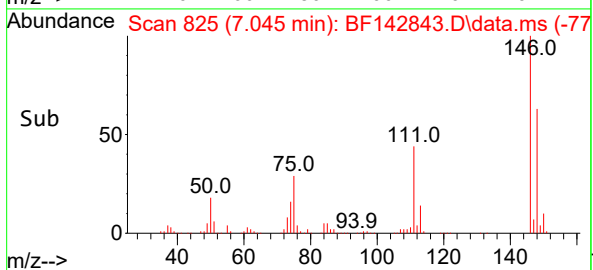
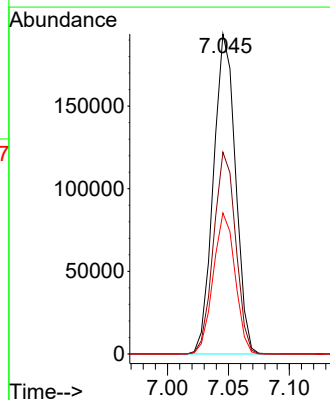
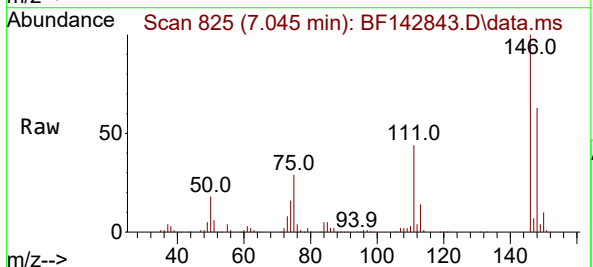
Tgt Ion:146 Resp: 244651

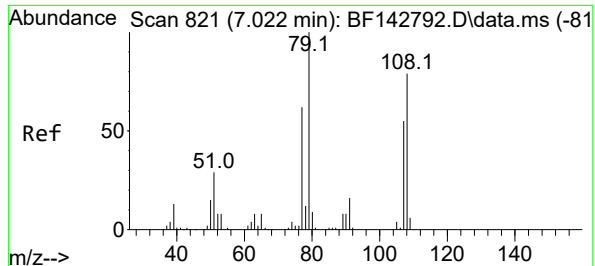
Ion Ratio Lower Upper

146 100

148 63.0 50.4 75.6

111 44.0 34.1 51.1





#15

Benzyl Alcohol

Concen: 40.809 ng

RT: 7.022 min Scan# 81

Delta R.T. 0.000 min

Lab File: BF142843.D

Acq: 25 Jun 2025 18:04

Instrument :

BNA_F

ClientSampleId :

MH-K/LMS

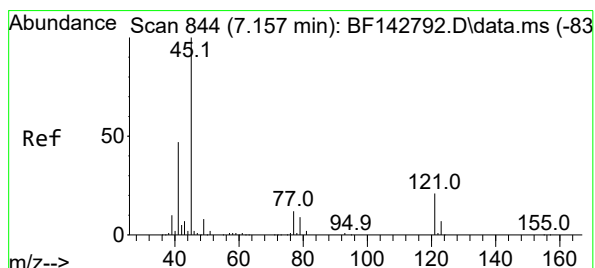
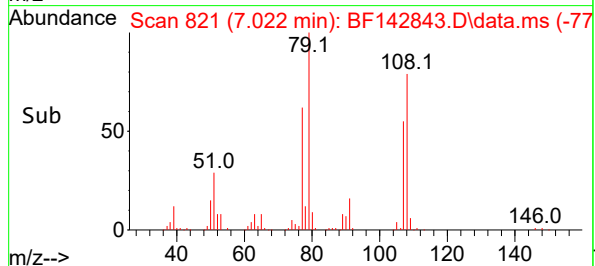
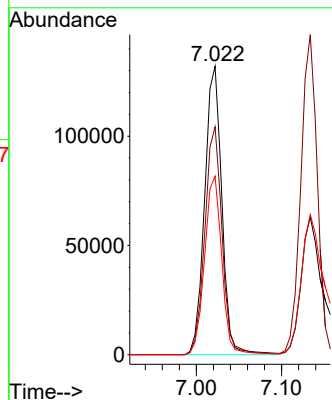
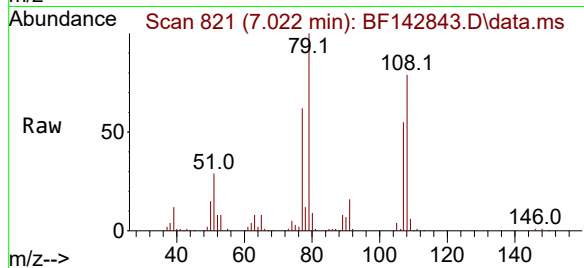
Tgt Ion: 79 Resp: 185058

Ion Ratio Lower Upper

79 100

108 78.9 63.4 95.0

77 61.8 49.5 74.3



#16

2,2'-oxybis(1-chloropropane)

Concen: 38.934 ng

RT: 7.151 min Scan# 843

Delta R.T. -0.006 min

Lab File: BF142843.D

Acq: 25 Jun 2025 18:04

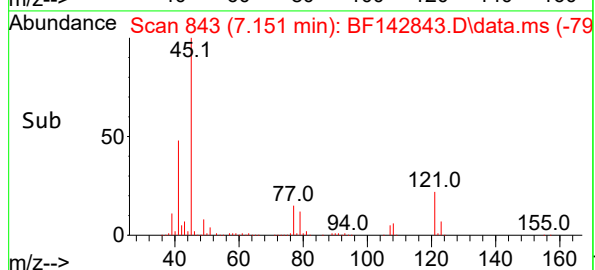
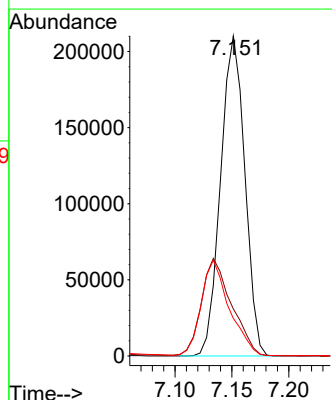
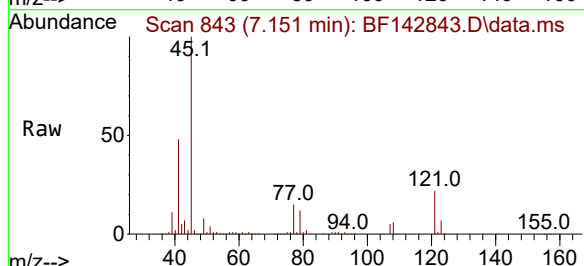
Tgt Ion: 45 Resp: 311726

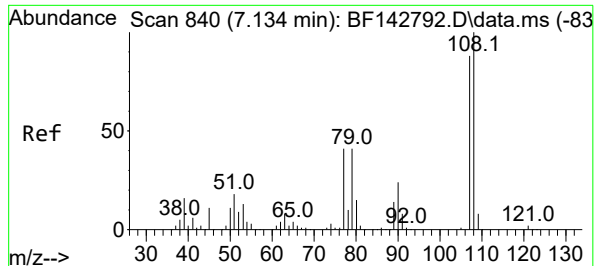
Ion Ratio Lower Upper

45 100

77 14.7 0.0 32.8

79 11.8 0.0 29.8

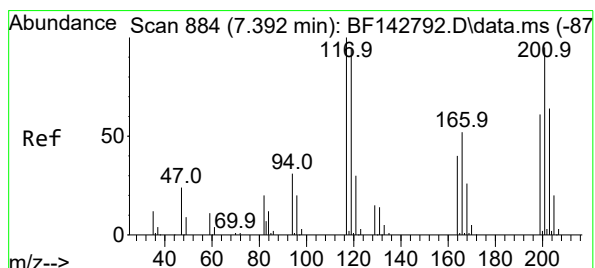
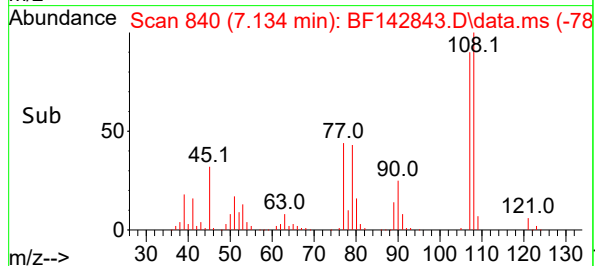
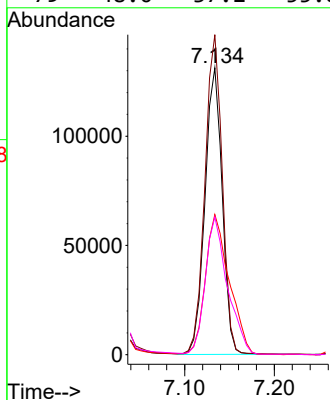
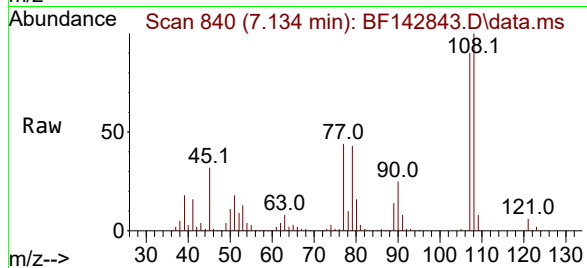




#17
2-Methylphenol
Concen: 40.263 ng
RT: 7.134 min Scan# 840
Delta R.T. 0.000 min
Lab File: BF142843.D
Acq: 25 Jun 2025 18:04

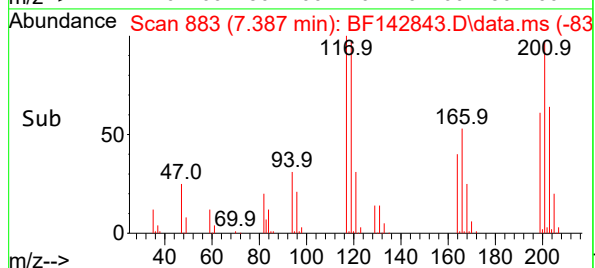
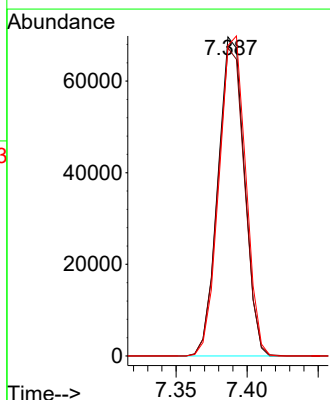
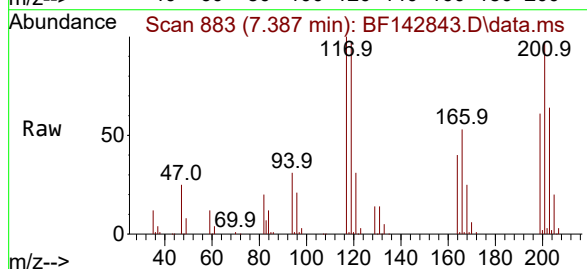
Instrument :
BNA_F
ClientSampleId :
MH-K/LMS

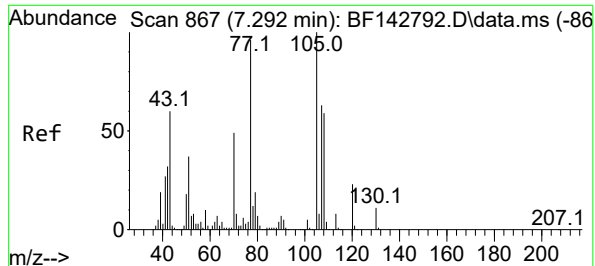
Tgt Ion:107 Resp: 174992
Ion Ratio Lower Upper
107 100
108 111.5 90.9 136.3
77 48.8 37.3 55.9
79 48.0 37.2 55.8



#18
Hexachloroethane
Concen: 39.831 ng
RT: 7.387 min Scan# 883
Delta R.T. -0.006 min
Lab File: BF142843.D
Acq: 25 Jun 2025 18:04

Tgt Ion:117 Resp: 90157
Ion Ratio Lower Upper
117 100
119 96.6 75.4 113.0
201 97.3 75.9 113.9





#19

n-Nitroso-di-n-propylamine

Concen: 40.832 ng

RT: 7.292 min Scan# 867

Delta R.T. 0.000 min

Lab File: BF142843.D

Acq: 25 Jun 2025 18:04

Instrument :

BNA_F

ClientSampleId :

MH-K/LMS

Tgt Ion: 70 Resp: 148962

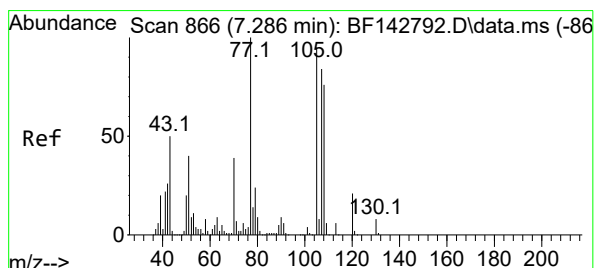
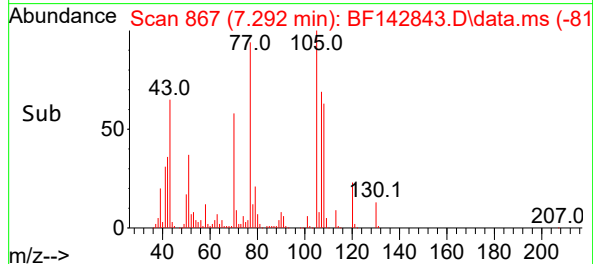
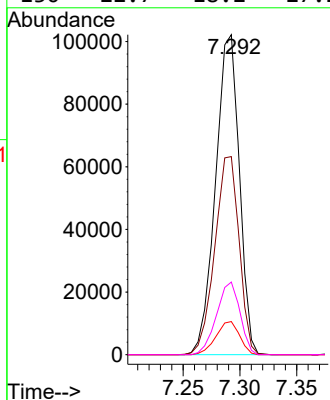
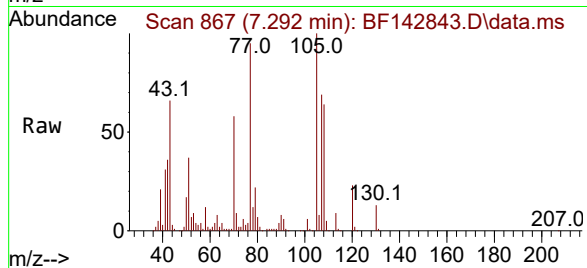
Ion Ratio Lower Upper

70 100

42 61.9 52.1 78.1

101 10.4 8.2 12.2

130 22.7 18.2 27.2



#20

3+4-Methylphenols

Concen: 40.459 ng

RT: 7.287 min Scan# 866

Delta R.T. 0.000 min

Lab File: BF142843.D

Acq: 25 Jun 2025 18:04

Tgt Ion:107 Resp: 219249

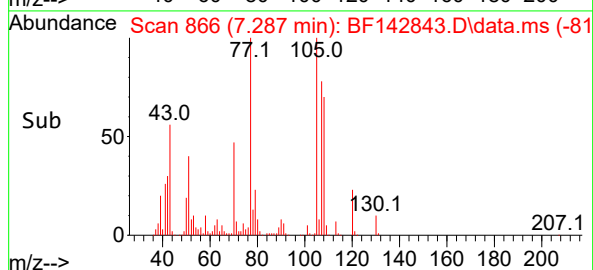
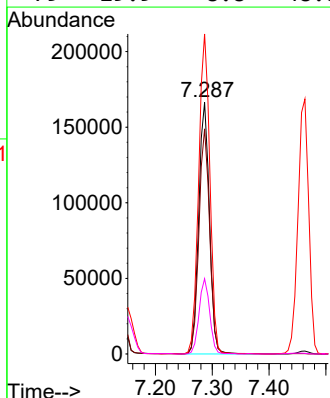
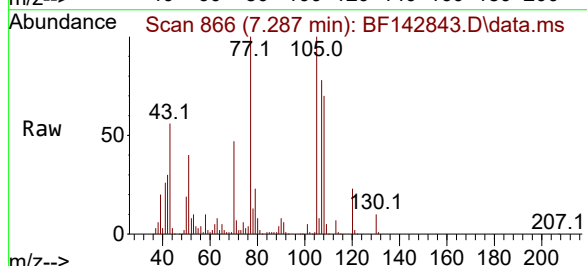
Ion Ratio Lower Upper

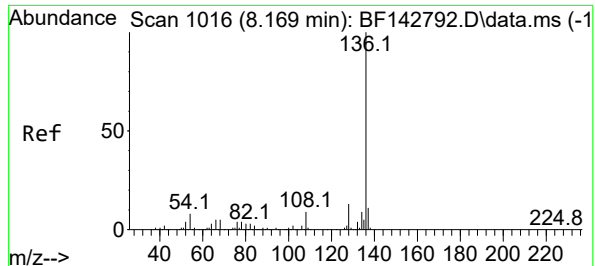
107 100

108 89.5 70.0 110.0

77 127.2 98.5 138.5

79 29.9 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: BF142843.D

Acq: 25 Jun 2025 18:04

Instrument :

BNA_F

ClientSampleId :

MH-K/LMS

Tgt Ion:136 Resp: 329491

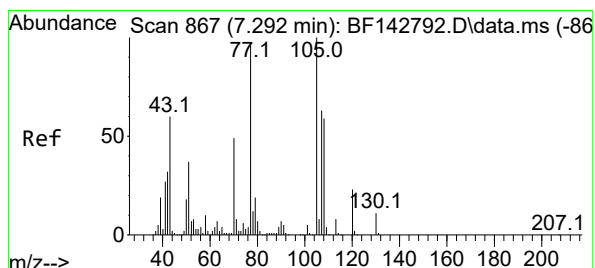
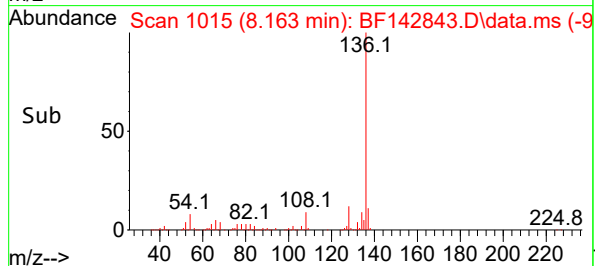
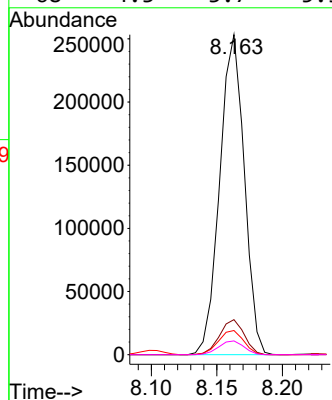
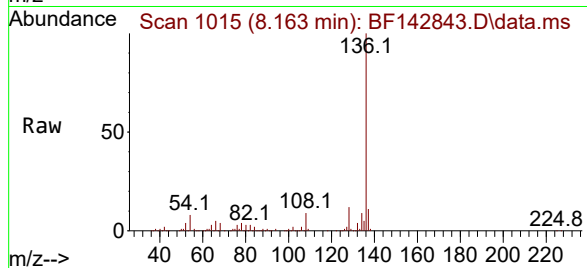
Ion Ratio Lower Upper

136 100

137 11.0 8.4 12.6

54 7.6 6.3 9.5

68 4.3 3.7 5.5



#22

Acetophenone

Concen: 40.971 ng

RT: 7.287 min Scan# 866

Delta R.T. -0.006 min

Lab File: BF142843.D

Acq: 25 Jun 2025 18:04

Tgt Ion:105 Resp: 297693

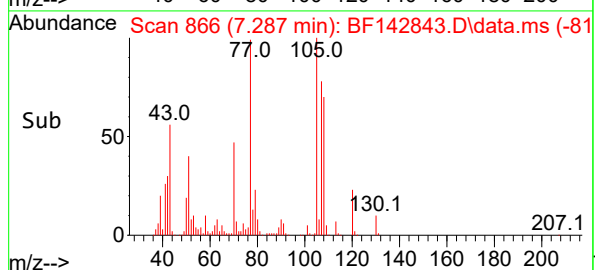
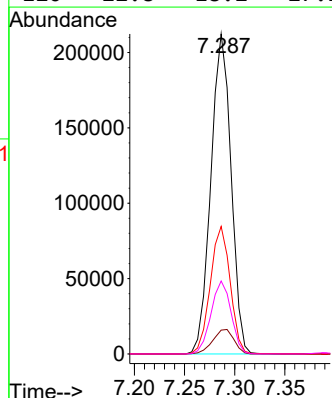
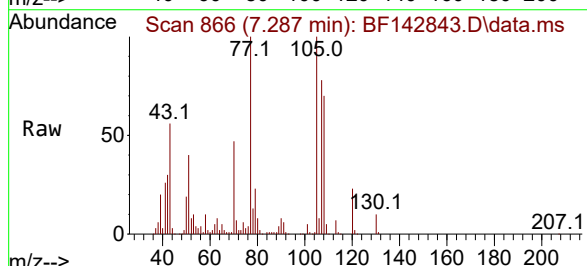
Ion Ratio Lower Upper

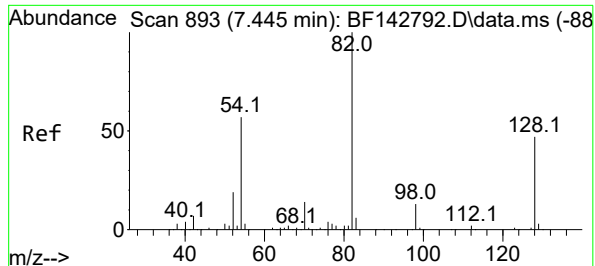
105 100

71 7.5 6.5 9.7

51 39.8 29.8 44.8

120 22.8 18.2 27.2





#23

Nitrobenzene-d5

Concen: 60.340 ng

RT: 7.439 min Scan# 893

Delta R.T. -0.006 min

Lab File: BF142843.D

Acq: 25 Jun 2025 18:04

Instrument :

BNA_F

ClientSampleId :

MH-K/LMS

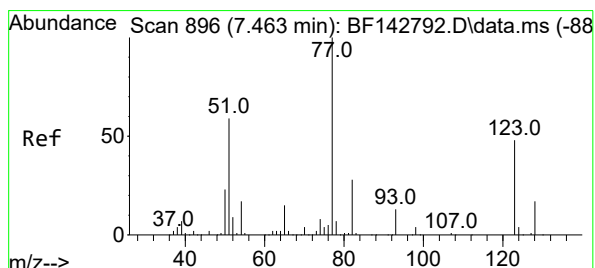
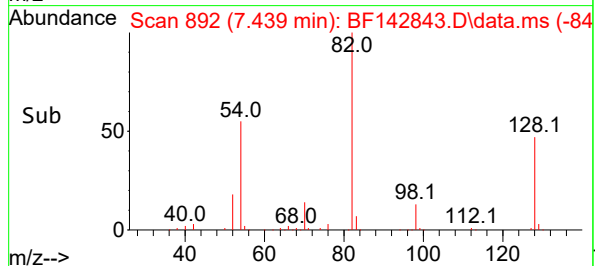
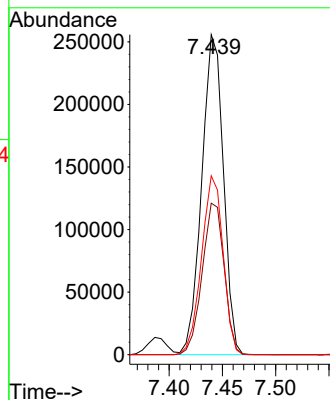
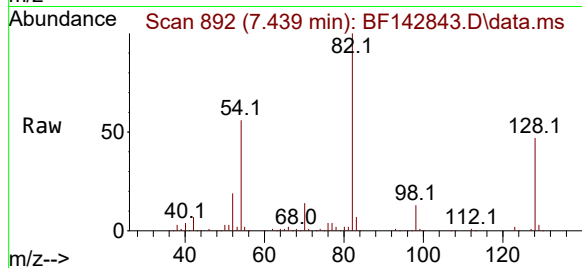
Tgt Ion: 82 Resp: 362464

Ion Ratio Lower Upper

82 100

128 47.3 37.7 56.5

54 55.9 45.7 68.5



#24

Nitrobenzene

Concen: 40.844 ng

RT: 7.463 min Scan# 896

Delta R.T. 0.000 min

Lab File: BF142843.D

Acq: 25 Jun 2025 18:04

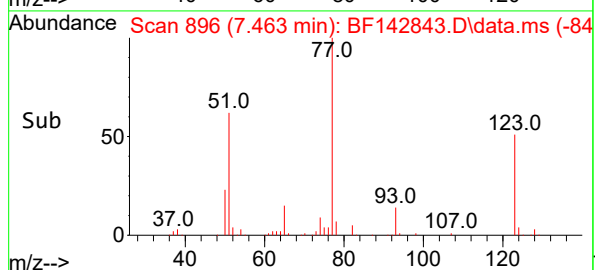
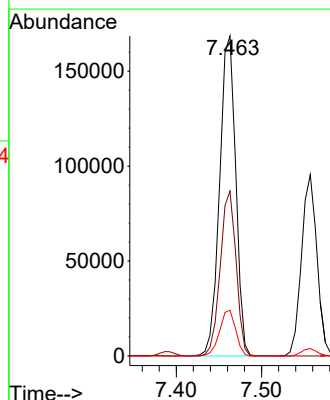
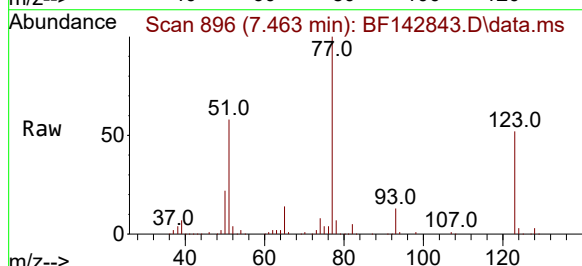
Tgt Ion: 77 Resp: 222065

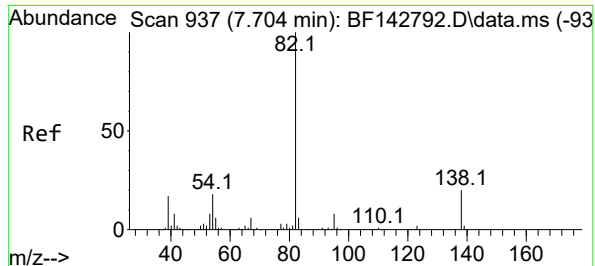
Ion Ratio Lower Upper

77 100

123 51.5 39.2 58.8

65 14.3 11.6 17.4

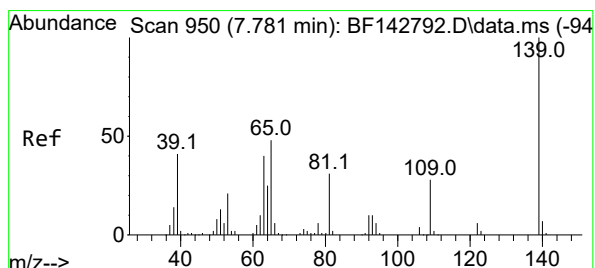
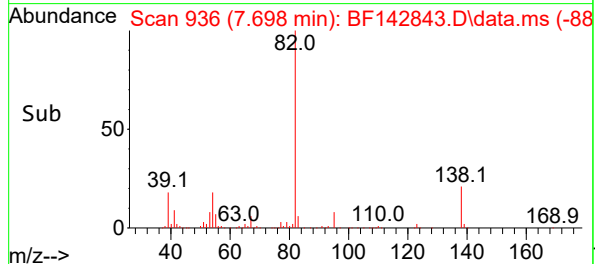
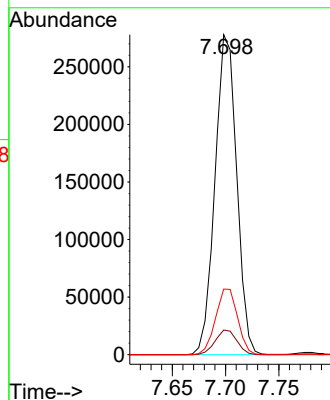
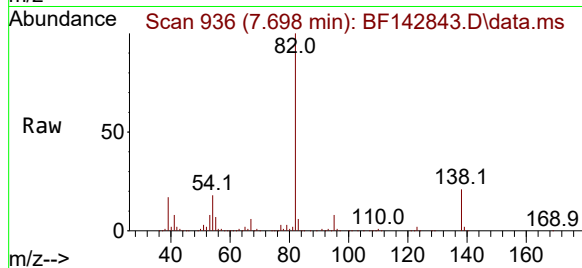




#25
Isophorone
Concen: 40.796 ng
RT: 7.698 min Scan# 911
Delta R.T. -0.006 min
Lab File: BF142843.D
Acq: 25 Jun 2025 18:04

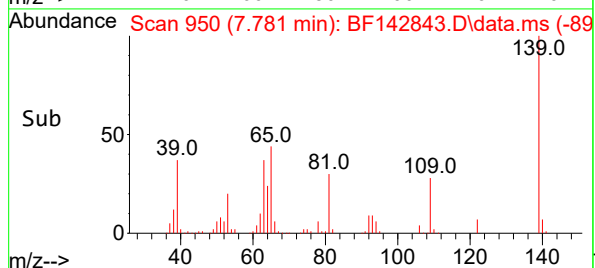
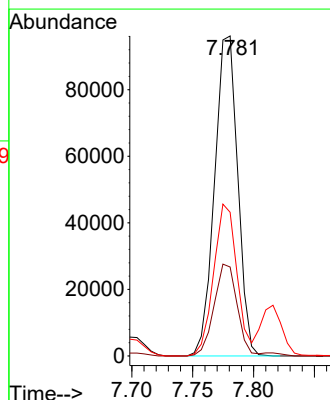
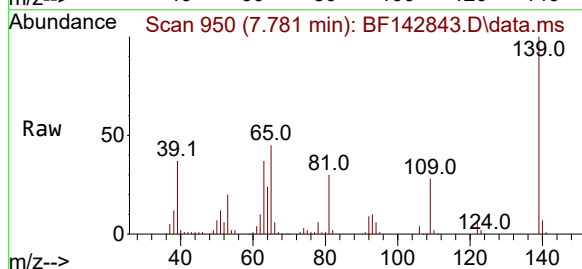
Instrument :
BNA_F
ClientSampleId :
MH-K/LMS

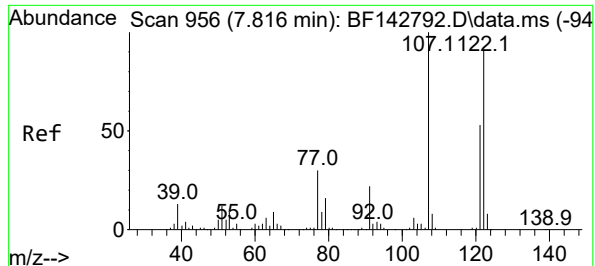
Tgt Ion: 82 Resp: 393119
Ion Ratio Lower Upper
82 100
95 7.7 6.2 9.2
138 20.5 16.2 24.4



#26
2-Nitrophenol
Concen: 42.914 ng
RT: 7.781 min Scan# 950
Delta R.T. 0.000 min
Lab File: BF142843.D
Acq: 25 Jun 2025 18:04

Tgt Ion:139 Resp: 127098
Ion Ratio Lower Upper
139 100
109 27.8 22.7 34.1
65 44.9 38.6 58.0





#27

2,4-Dimethylphenol

Concen: 40.334 ng

RT: 7.816 min Scan# 91

Delta R.T. 0.000 min

Lab File: BF142843.D

Acq: 25 Jun 2025 18:04

Instrument :

BNA_F

ClientSampleId :

MH-K/LMS

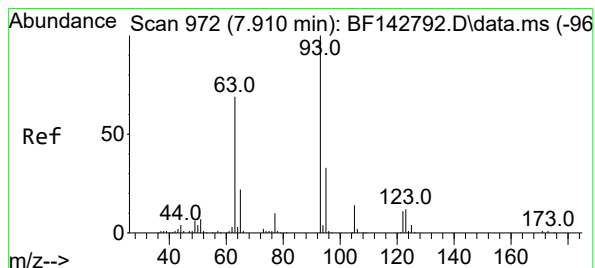
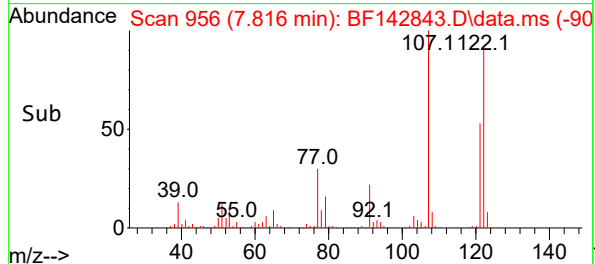
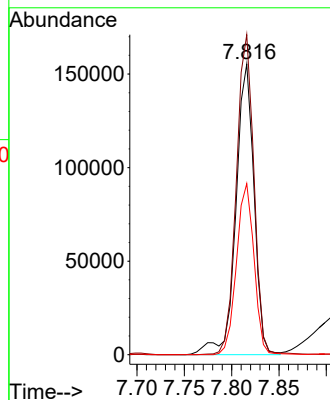
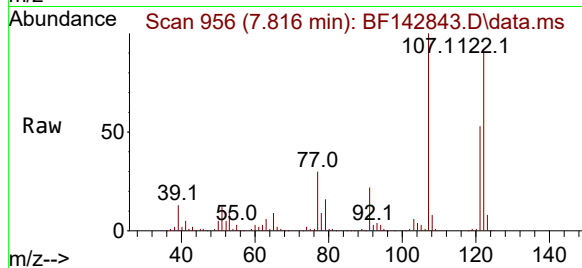
Tgt Ion:122 Resp: 206921

Ion Ratio Lower Upper

122 100

107 110.1 88.0 132.0

121 58.9 46.3 69.5



#28

bis(2-Chloroethoxy)methane

Concen: 41.200 ng

RT: 7.910 min Scan# 972

Delta R.T. 0.000 min

Lab File: BF142843.D

Acq: 25 Jun 2025 18:04

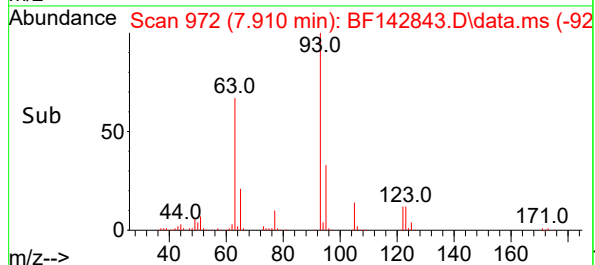
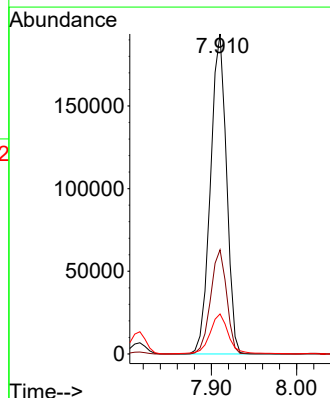
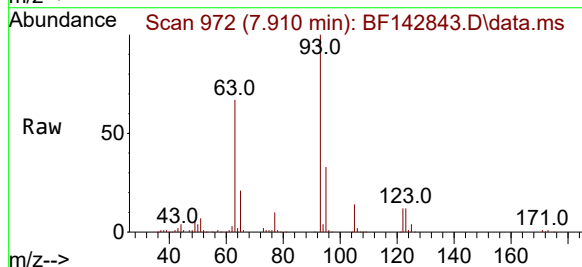
Tgt Ion: 93 Resp: 252403

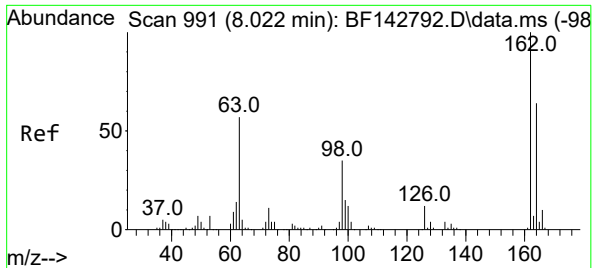
Ion Ratio Lower Upper

93 100

95 32.6 26.2 39.2

123 12.5 9.9 14.9





#29

2,4-Dichlorophenol

Concen: 40.876 ng

RT: 8.022 min Scan# 991

Delta R.T. 0.000 min

Lab File: BF142843.D

Acq: 25 Jun 2025 18:04

Instrument :

BNA_F

ClientSampleId :

MH-K/LMS

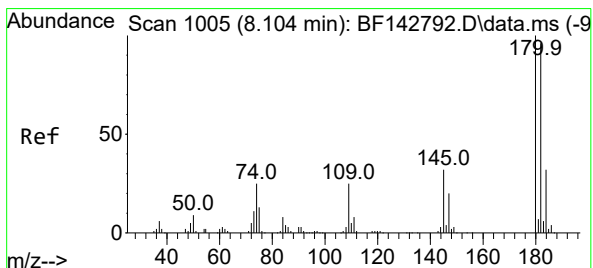
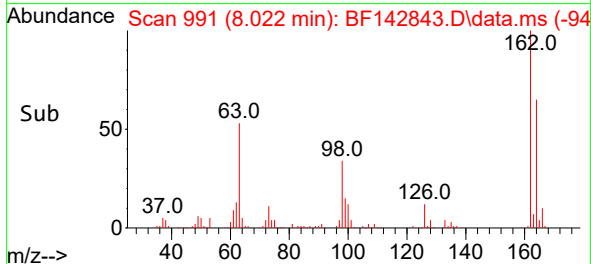
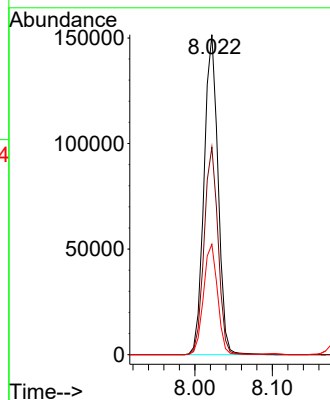
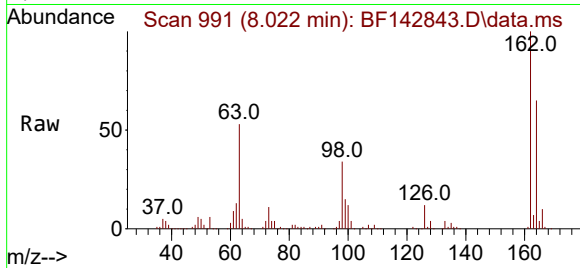
Tgt Ion:162 Resp: 190142

Ion Ratio Lower Upper

162 100

164 64.9 44.0 84.0

98 34.5 15.4 55.4



#30

1,2,4-Trichlorobenzene

Concen: 40.798 ng

RT: 8.104 min Scan# 1005

Delta R.T. 0.000 min

Lab File: BF142843.D

Acq: 25 Jun 2025 18:04

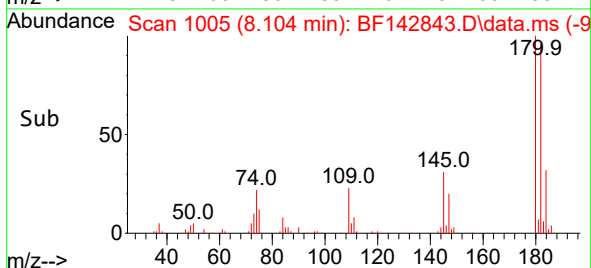
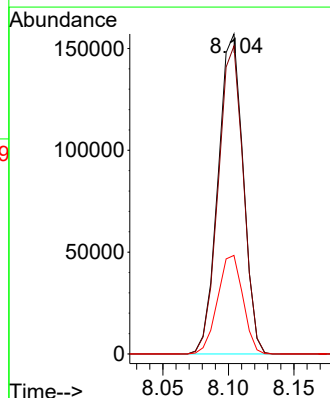
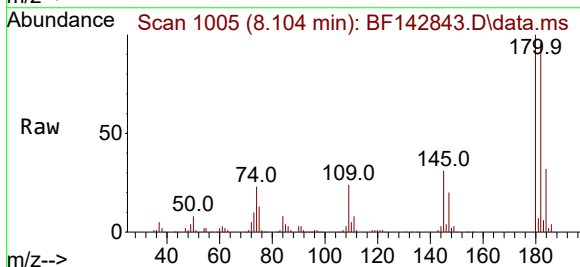
Tgt Ion:180 Resp: 208686

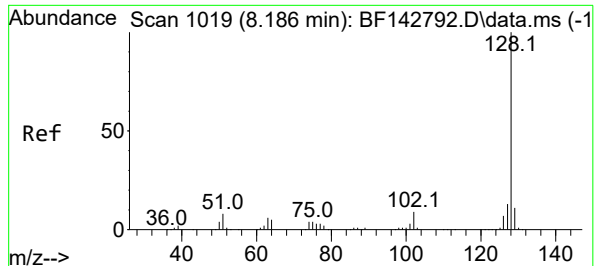
Ion Ratio Lower Upper

180 100

182 96.3 76.4 114.6

145 30.8 25.8 38.8





#31

Naphthalene

Concen: 41.061 ng

RT: 8.186 min Scan# 1019

Delta R.T. 0.000 min

Lab File: BF142843.D

Acq: 25 Jun 2025 18:04

Instrument :

BNA_F

ClientSampleId :

MH-K/LMS

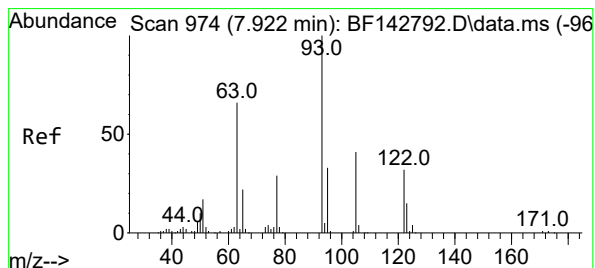
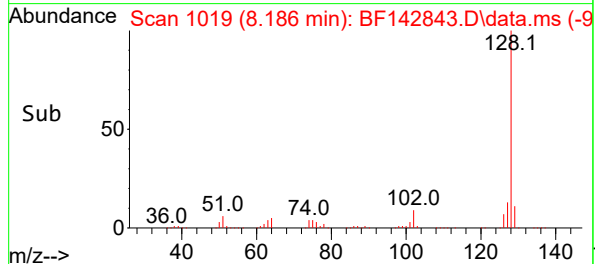
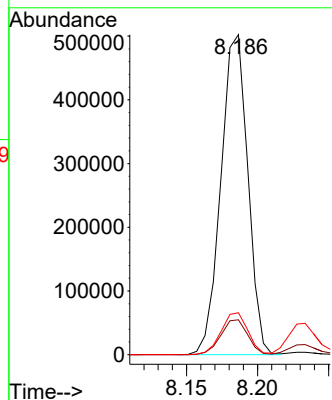
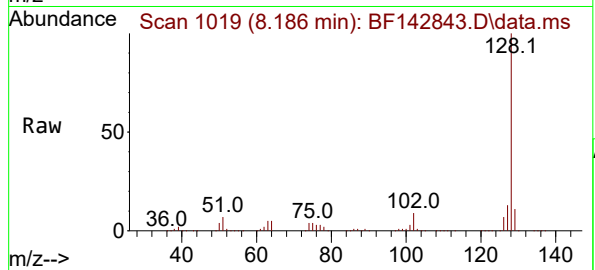
Tgt Ion:128 Resp: 662234

Ion Ratio Lower Upper

128 100

129 10.9 8.9 13.3

127 13.1 10.4 15.6



#32

Benzoic acid

Concen: 37.448 ng

RT: 7.928 min Scan# 975

Delta R.T. 0.006 min

Lab File: BF142843.D

Acq: 25 Jun 2025 18:04

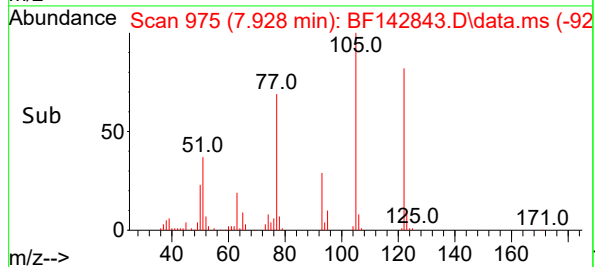
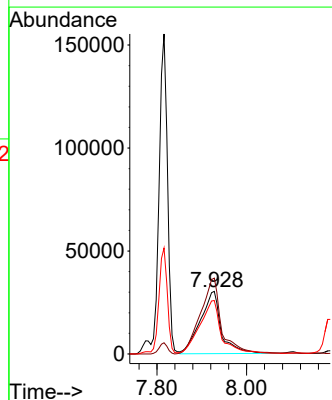
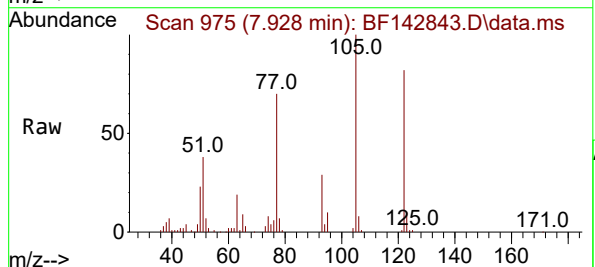
Tgt Ion:122 Resp: 97920

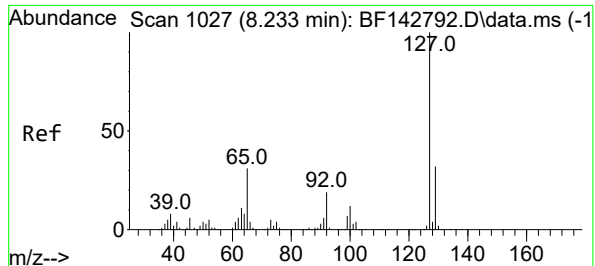
Ion Ratio Lower Upper

122 100

105 121.3 104.7 144.7

77 85.5 70.2 110.2





#33

4-Chloroaniline

Concen: 11.813 ng

RT: 8.234 min Scan# 1027

Delta R.T. 0.000 min

Lab File: BF142843.D

Acq: 25 Jun 2025 18:04

Instrument :

BNA_F

ClientSampleId :

MH-K/LMS

Tgt Ion:127 Resp: 77471

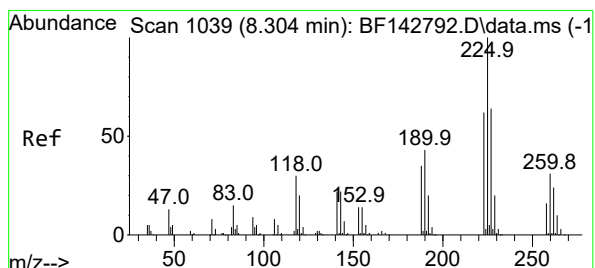
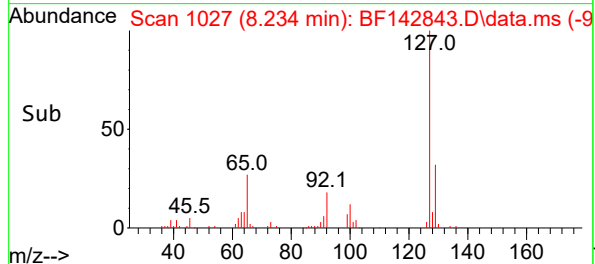
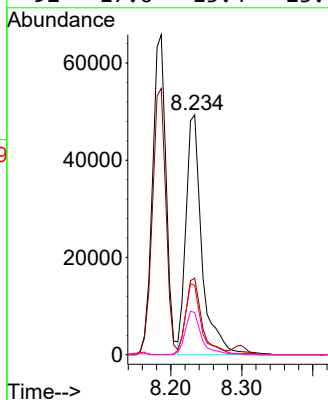
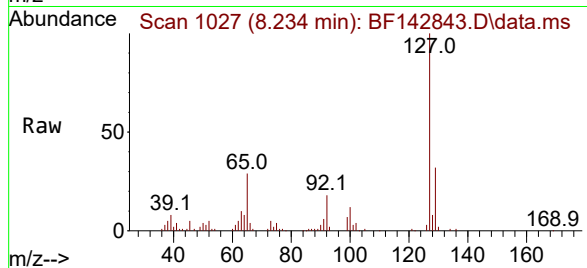
Ion Ratio Lower Upper

127 100

129 31.9 25.9 38.9

65 28.9 24.6 36.8

92 17.6 15.4 23.0



#34

Hexachlorobutadiene

Concen: 40.832 ng

RT: 8.298 min Scan# 1038

Delta R.T. -0.006 min

Lab File: BF142843.D

Acq: 25 Jun 2025 18:04

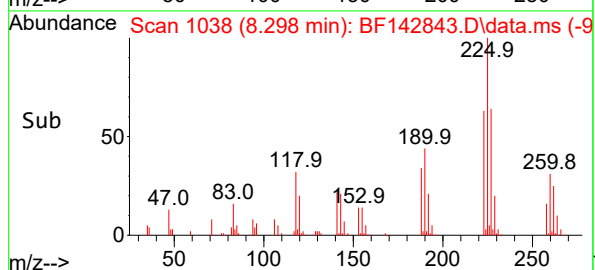
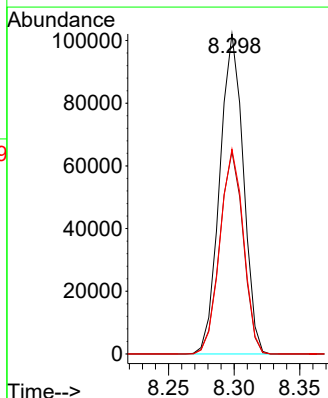
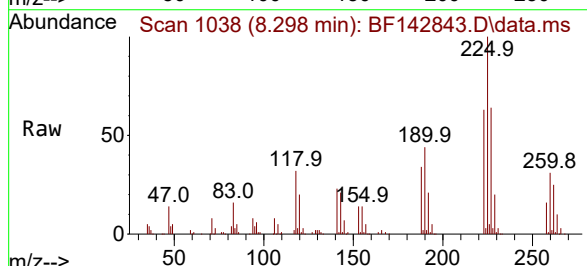
Tgt Ion:225 Resp: 127754

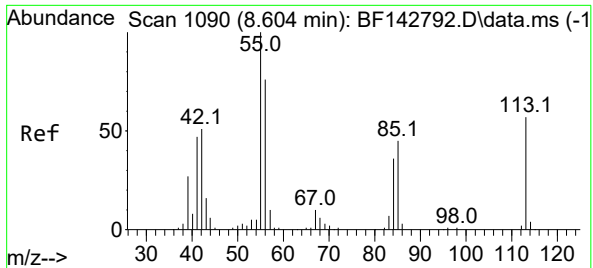
Ion Ratio Lower Upper

225 100

223 63.2 49.9 74.9

227 64.0 51.4 77.0

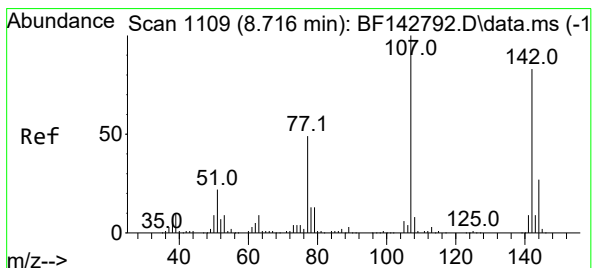
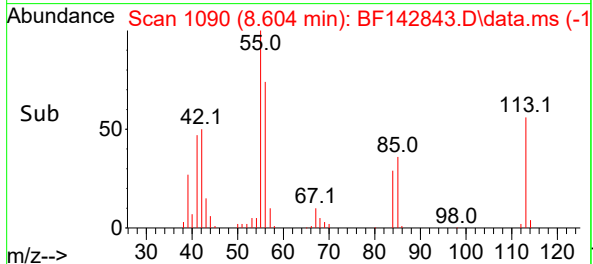
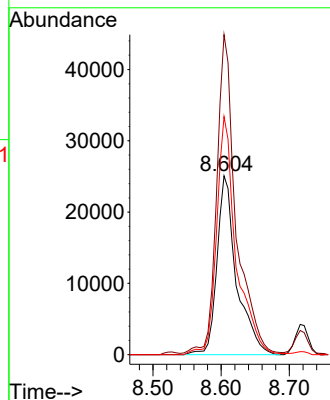
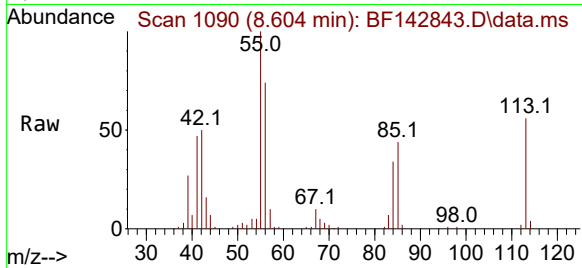




#35
Caprolactam
Concen: 40.824 ng
RT: 8.604 min Scan# 1090
Delta R.T. 0.000 min
Lab File: BF142843.D
Acq: 25 Jun 2025 18:04

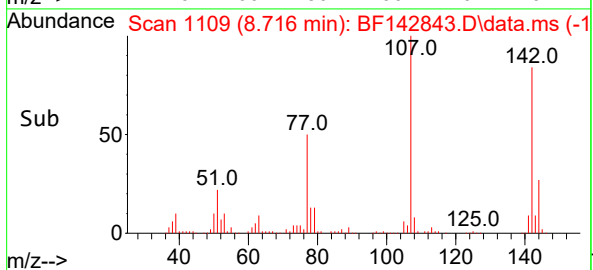
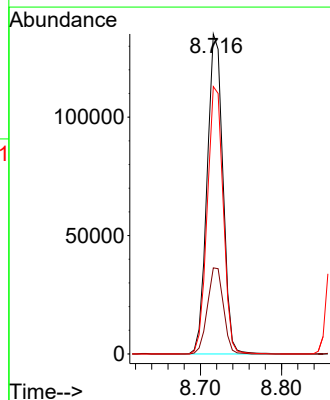
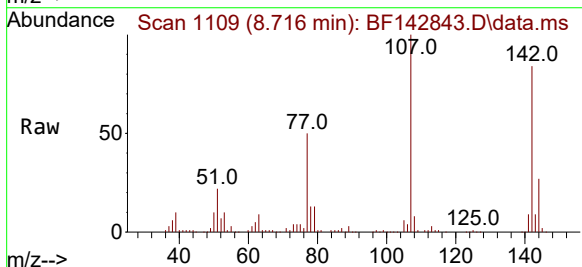
Instrument :
BNA_F
ClientSampleId :
MH-K/LMS

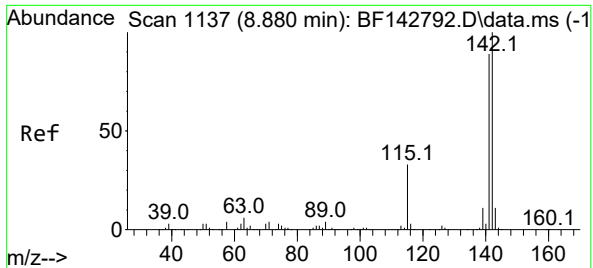
Tgt Ion:113 Resp: 50110
Ion Ratio Lower Upper
113 100
55 178.9 154.4 194.4
56 133.1 112.1 152.1



#36
4-Chloro-3-methylphenol
Concen: 39.448 ng
RT: 8.716 min Scan# 1109
Delta R.T. 0.000 min
Lab File: BF142843.D
Acq: 25 Jun 2025 18:04

Tgt Ion:107 Resp: 182369
Ion Ratio Lower Upper
107 100
144 26.9 21.3 31.9
142 83.5 66.6 100.0

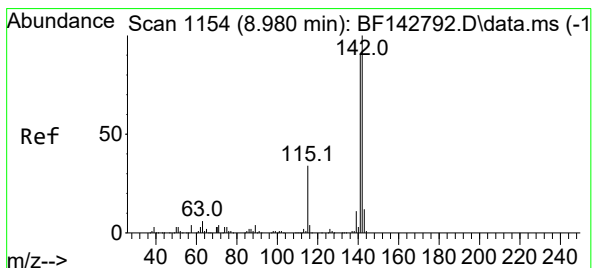
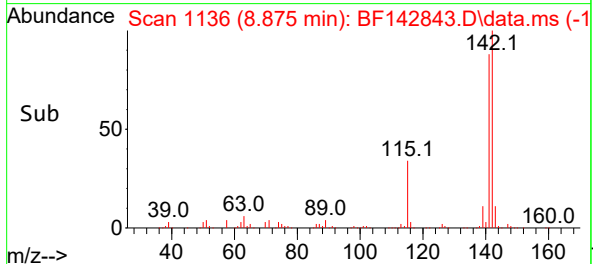
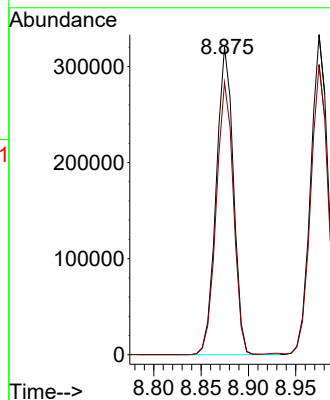
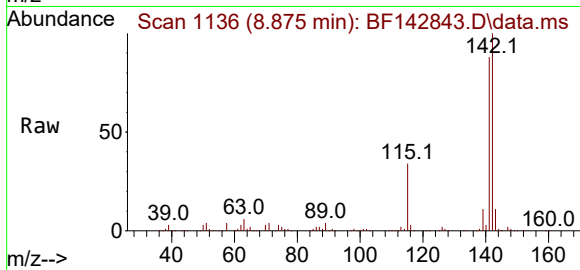




#37
2-Methylnaphthalene
Concen: 40.492 ng
RT: 8.875 min Scan# 1136
Delta R.T. -0.006 min
Lab File: BF142843.D
Acq: 25 Jun 2025 18:04

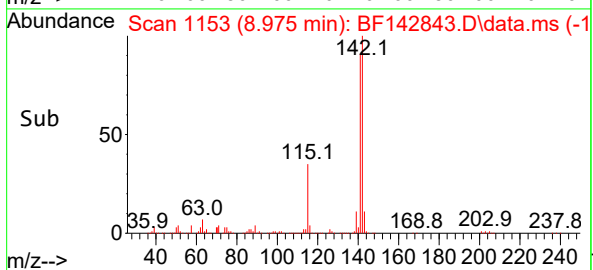
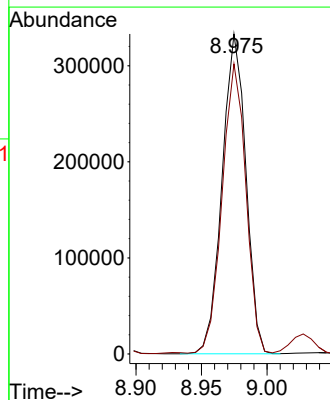
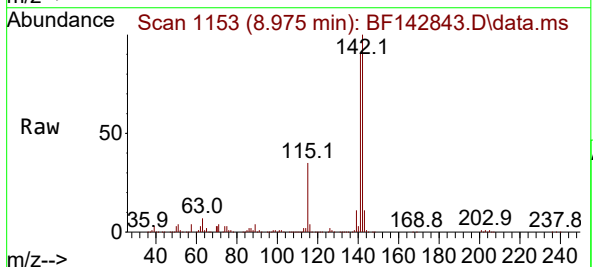
Instrument :
BNA_F
ClientSampleId :
MH-K/LMS

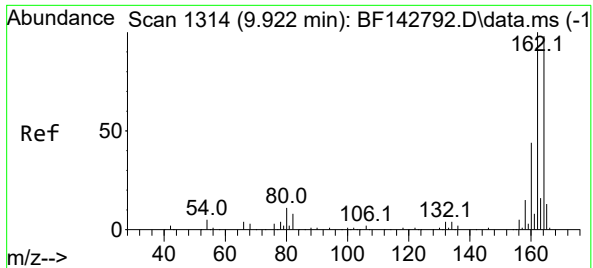
Tgt Ion:142 Resp: 404875
Ion Ratio Lower Upper
142 100
141 88.4 70.9 106.3



#38
1-Methylnaphthalene
Concen: 40.502 ng
RT: 8.975 min Scan# 1153
Delta R.T. -0.006 min
Lab File: BF142843.D
Acq: 25 Jun 2025 18:04

Tgt Ion:142 Resp: 419225
Ion Ratio Lower Upper
142 100
141 90.7 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: BF142843.D

Acq: 25 Jun 2025 18:04

Instrument :

BNA_F

ClientSampleId :

MH-K/LMS

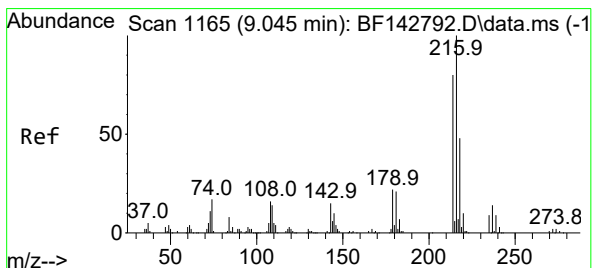
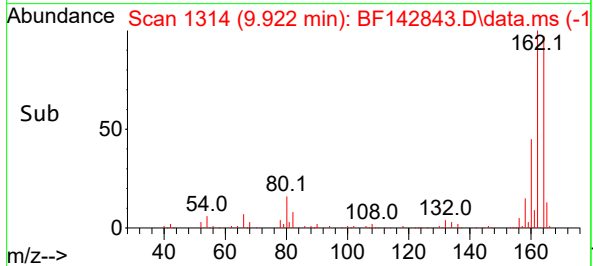
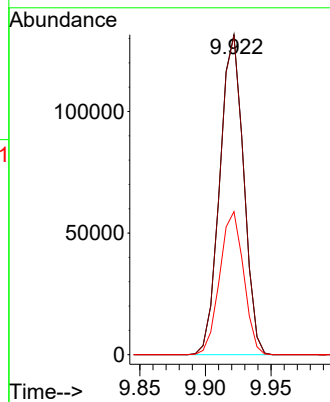
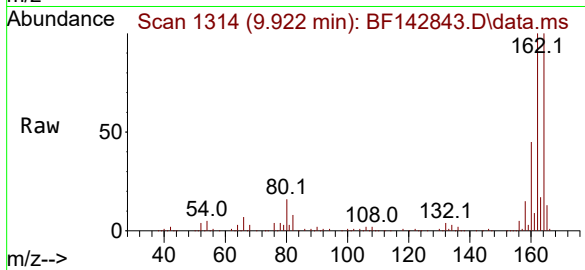
Tgt Ion:164 Resp: 165682

Ion Ratio Lower Upper

164 100

162 99.6 81.8 122.8

160 44.7 36.0 54.0



#40

1,2,4,5-Tetrachlorobenzene

Concen: 42.213 ng

RT: 9.045 min Scan# 1165

Delta R.T. 0.000 min

Lab File: BF142843.D

Acq: 25 Jun 2025 18:04

Tgt Ion:216 Resp: 206370

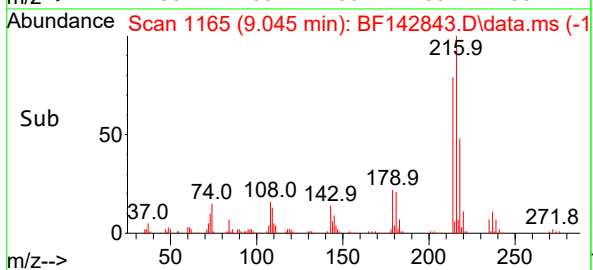
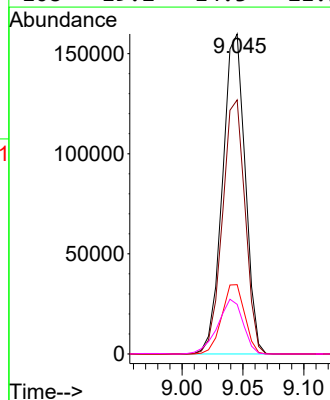
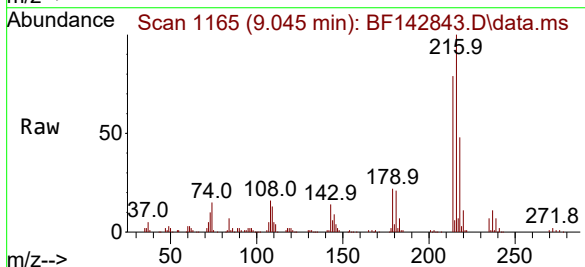
Ion Ratio Lower Upper

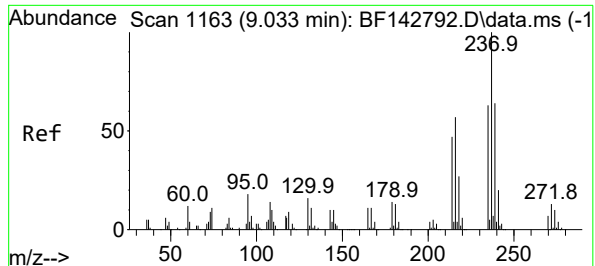
216 100

214 79.3 63.7 95.5

179 22.0 17.6 26.4

108 19.2 14.3 21.5





#41

Hexachlorocyclopentadiene

Concen: 77.502 ng

RT: 9.028 min Scan# 1163

Delta R.T. -0.006 min

Lab File: BF142843.D

Acq: 25 Jun 2025 18:04

Instrument :

BNA_F

ClientSampleId :

MH-K/LMS

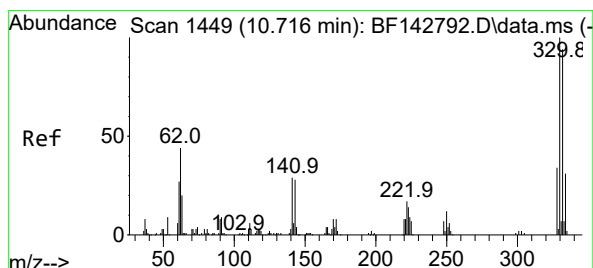
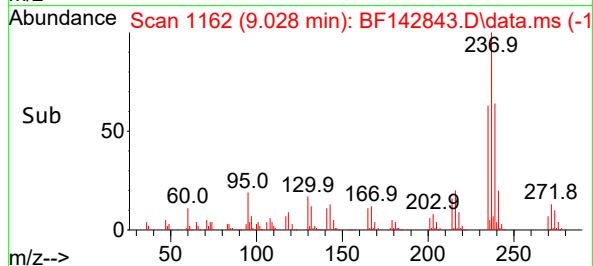
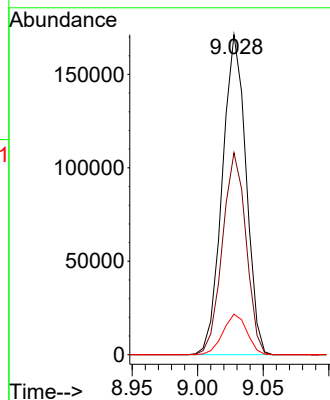
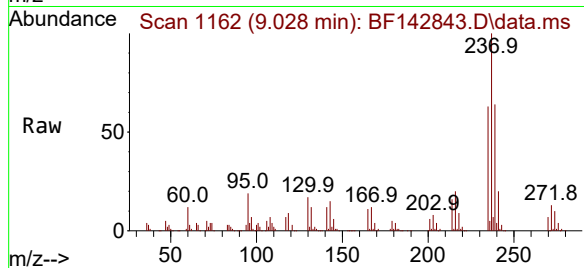
Tgt Ion:237 Resp: 215010

Ion Ratio Lower Upper

237 100

235 63.1 43.4 83.4

272 12.6 0.0 32.7



#42

2,4,6-Tribromophenol

Concen: 88.420 ng

RT: 10.710 min Scan# 1448

Delta R.T. -0.006 min

Lab File: BF142843.D

Acq: 25 Jun 2025 18:04

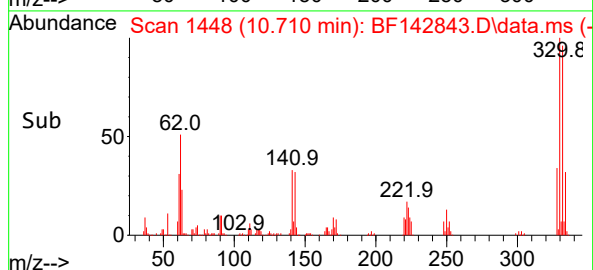
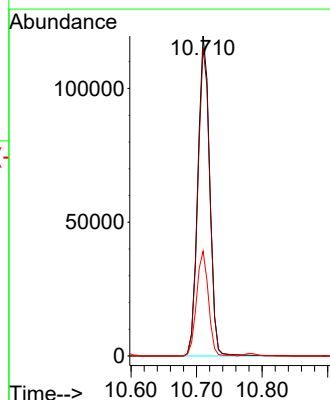
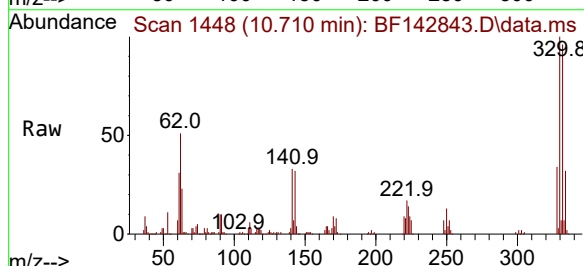
Tgt Ion:330 Resp: 150754

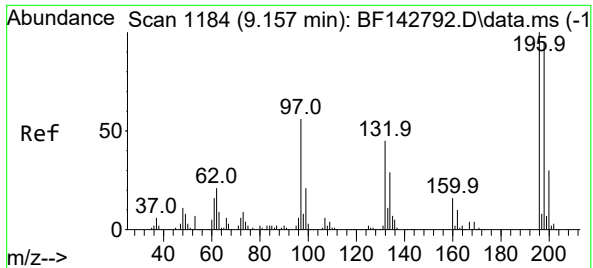
Ion Ratio Lower Upper

330 100

332 96.8 75.0 112.6

141 32.6 25.3 37.9

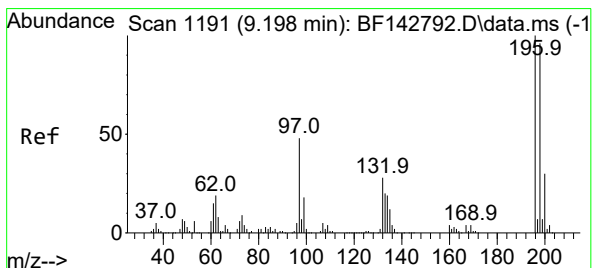
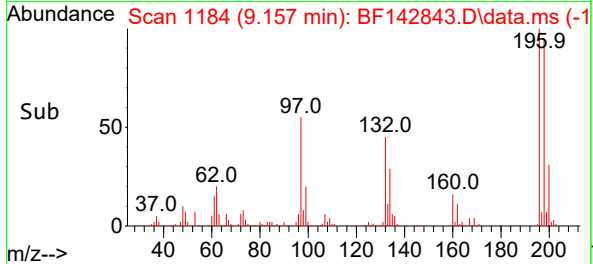
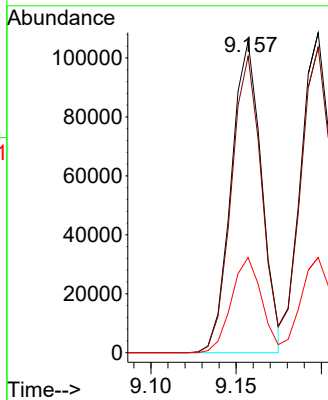
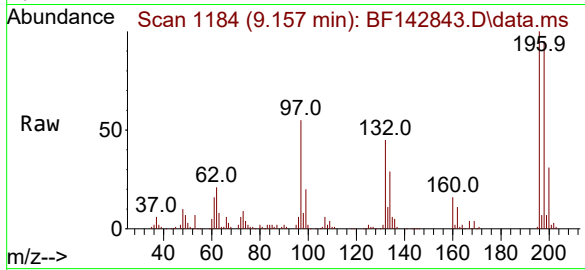




#43
2,4,6-Trichlorophenol
Concen: 41.152 ng
RT: 9.157 min Scan# 1184
Delta R.T. 0.000 min
Lab File: BF142843.D
Acq: 25 Jun 2025 18:04

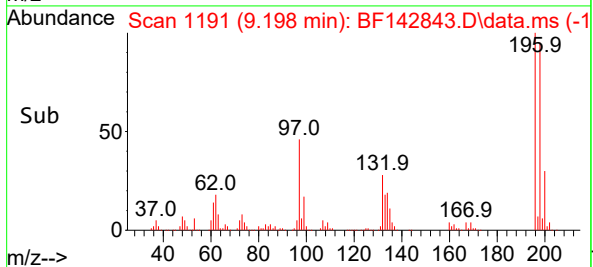
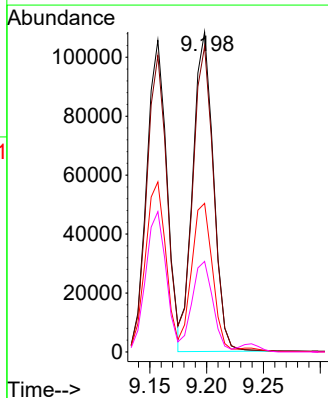
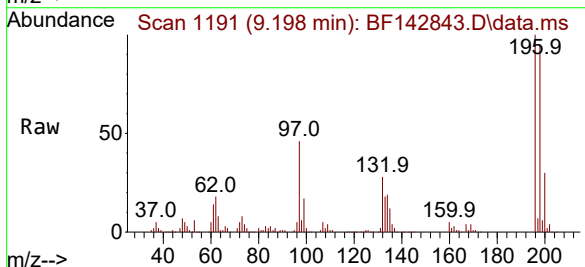
Instrument :
BNA_F
ClientSampleId :
MH-K/LMS

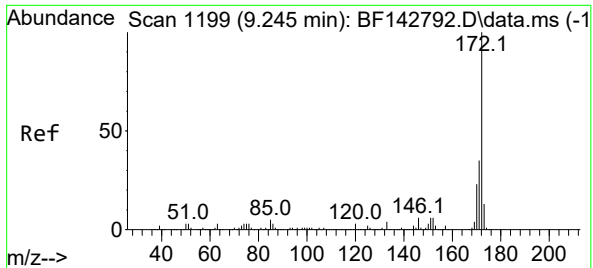
Tgt Ion:196 Resp: 131094
Ion Ratio Lower Upper
196 100
198 95.1 76.2 114.2
200 30.6 24.1 36.1



#44
2,4,5-Trichlorophenol
Concen: 40.558 ng
RT: 9.198 min Scan# 1191
Delta R.T. 0.000 min
Lab File: BF142843.D
Acq: 25 Jun 2025 18:04

Tgt Ion:196 Resp: 136008
Ion Ratio Lower Upper
196 100
198 95.5 76.6 115.0
97 46.4 38.2 57.2
132 28.3 23.4 35.0





#45

2-Fluorobiphenyl

Concen: 58.856 ng

RT: 9.239 min Scan# 1198

Delta R.T. -0.006 min

Lab File: BF142843.D

Acq: 25 Jun 2025 18:04

Instrument :

BNA_F

ClientSampleId :

MH-K/LMS

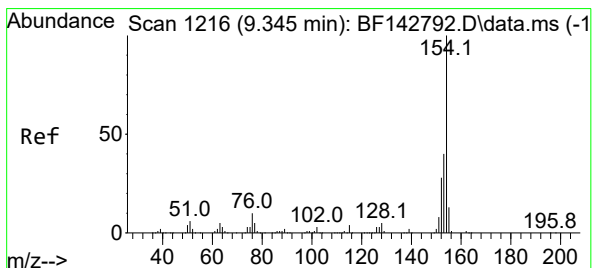
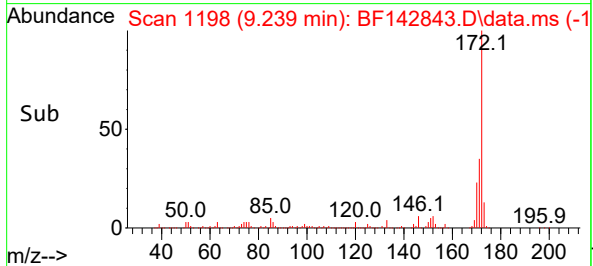
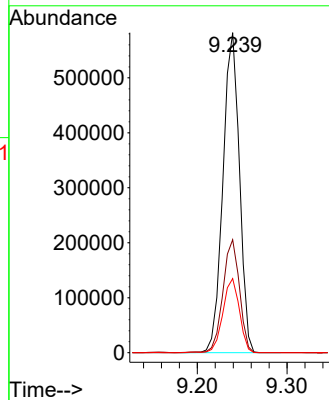
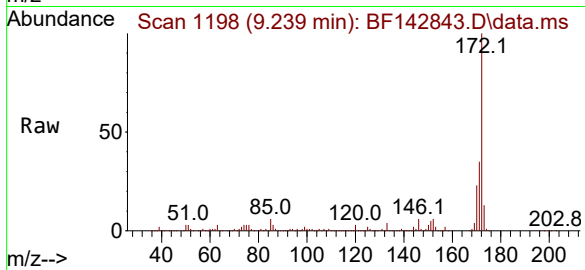
Tgt Ion:172 Resp: 742296

Ion Ratio Lower Upper

172 100

171 35.3 28.2 42.4

170 23.2 18.5 27.7



#46

1,1'-Biphenyl

Concen: 41.813 ng

RT: 9.339 min Scan# 1215

Delta R.T. -0.006 min

Lab File: BF142843.D

Acq: 25 Jun 2025 18:04

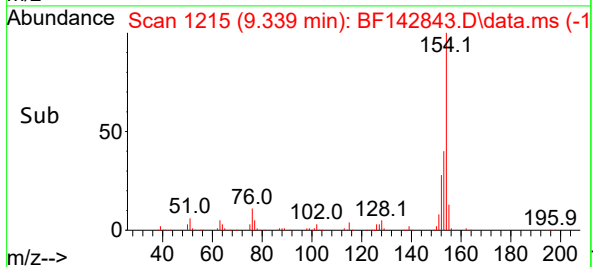
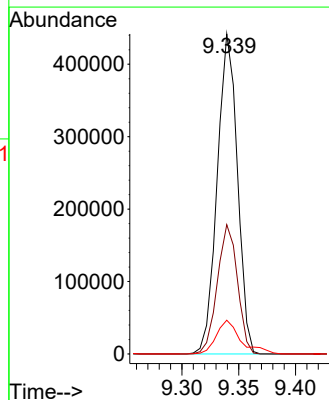
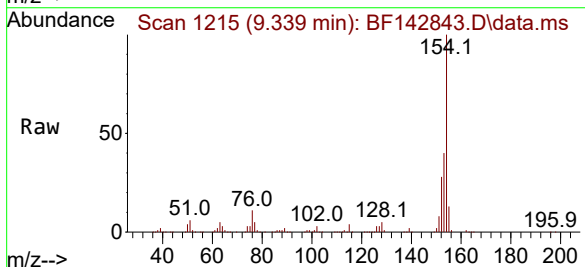
Tgt Ion:154 Resp: 547245

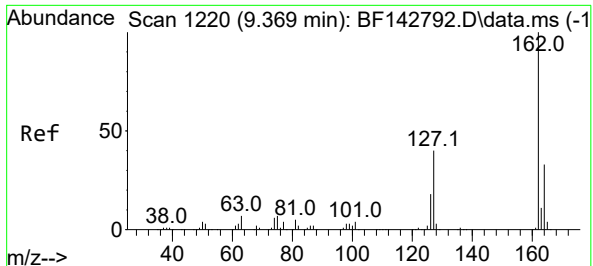
Ion Ratio Lower Upper

154 100

153 40.4 20.3 60.3

76 10.5 0.0 30.3





#47

2-Chloronaphthalene

Concen: 41.306 ng

RT: 9.369 min Scan# 1220

Delta R.T. 0.000 min

Lab File: BF142843.D

Acq: 25 Jun 2025 18:04

Instrument :

BNA_F

ClientSampleId :

MH-K/LMS

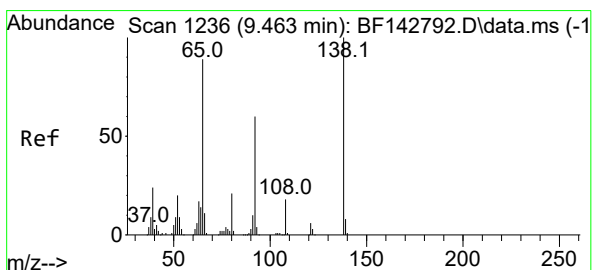
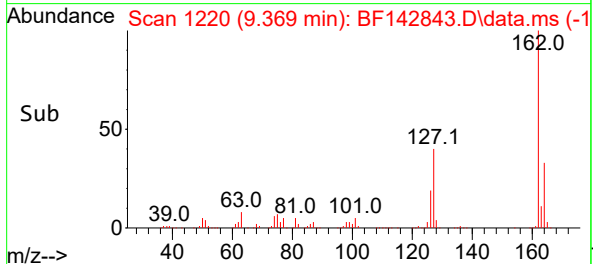
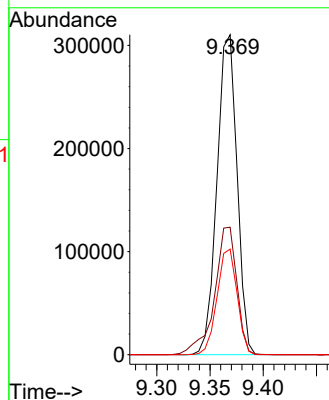
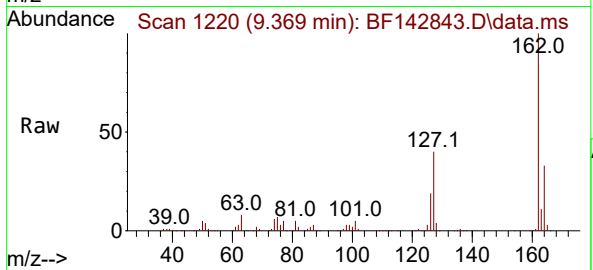
Tgt Ion:162 Resp: 405690

Ion Ratio Lower Upper

162 100

127 39.8 32.2 48.2

164 33.0 26.1 39.1



#48

2-Nitroaniline

Concen: 39.762 ng

RT: 9.463 min Scan# 1236

Delta R.T. 0.000 min

Lab File: BF142843.D

Acq: 25 Jun 2025 18:04

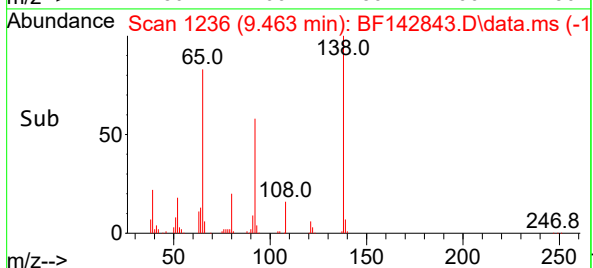
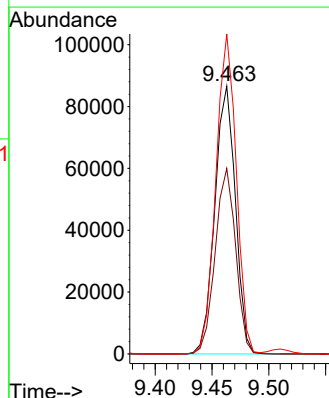
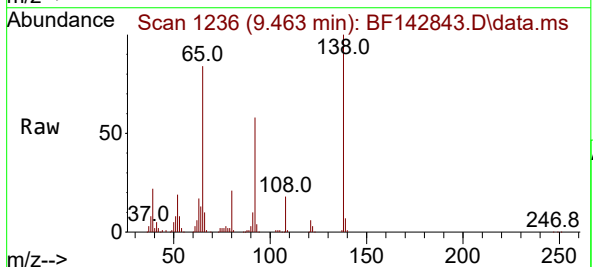
Tgt Ion: 65 Resp: 109486

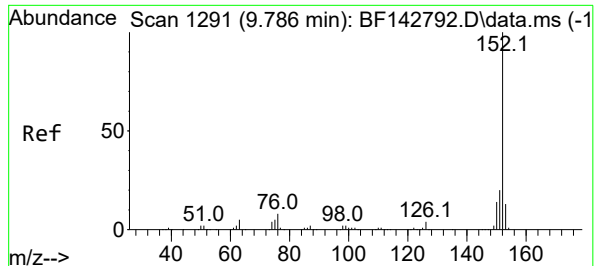
Ion Ratio Lower Upper

65 100

92 69.2 53.8 80.6

138 119.4 89.6 134.4





#49

Acenaphthylene

Concen: 40.601 ng

RT: 9.781 min Scan# 1291

Delta R.T. -0.006 min

Lab File: BF142843.D

Acq: 25 Jun 2025 18:04

Instrument :

BNA_F

ClientSampleId :

MH-K/LMS

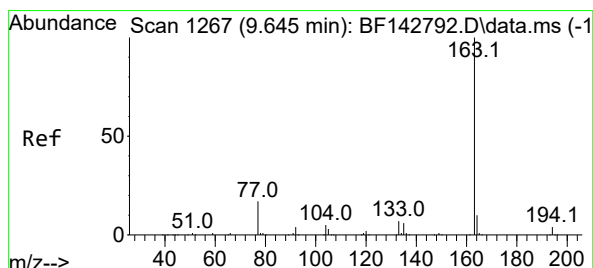
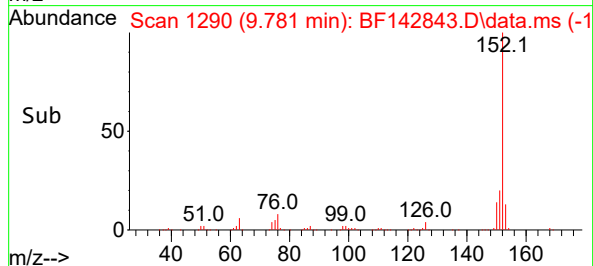
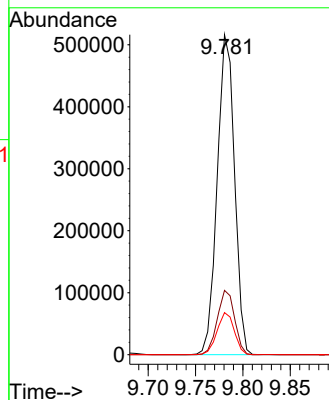
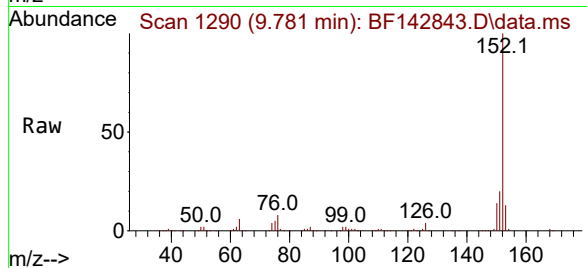
Tgt Ion:152 Resp: 656449

Ion Ratio Lower Upper

152 100

151 20.1 16.1 24.1

153 13.2 10.4 15.6



#50

Dimethylphthalate

Concen: 42.027 ng

RT: 9.639 min Scan# 1266

Delta R.T. -0.006 min

Lab File: BF142843.D

Acq: 25 Jun 2025 18:04

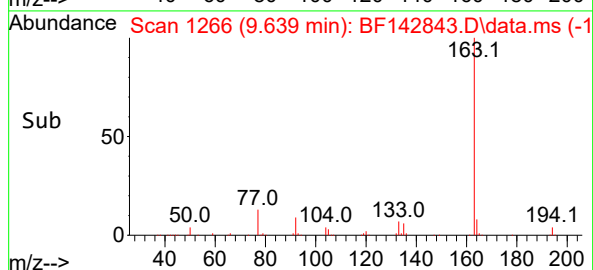
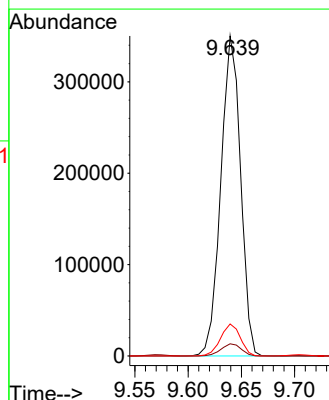
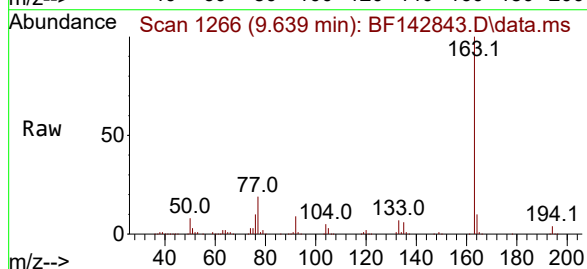
Tgt Ion:163 Resp: 450728

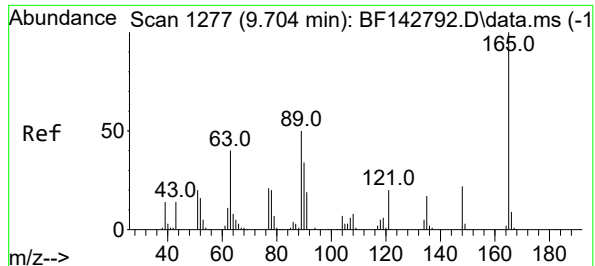
Ion Ratio Lower Upper

163 100

194 3.8 3.3 4.9

164 10.0 8.0 12.0

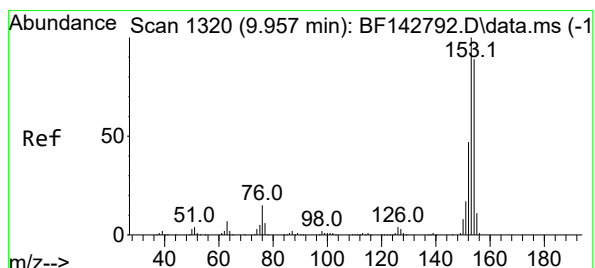
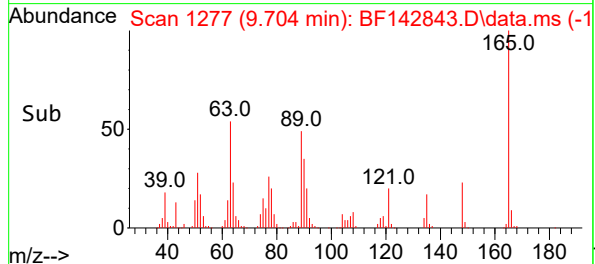
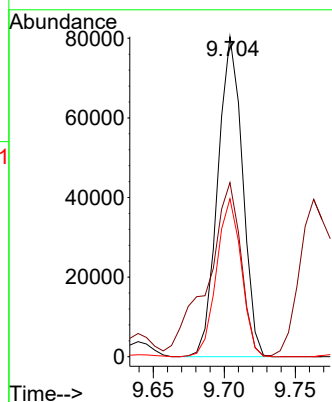
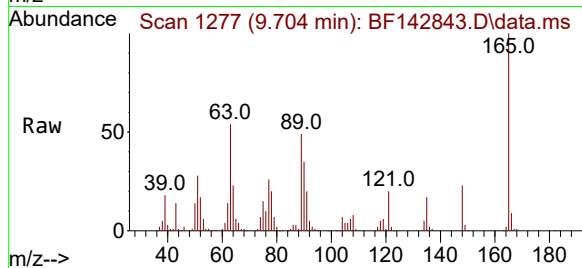




#51
2,6-Dinitrotoluene
Concen: 41.281 ng
RT: 9.704 min Scan# 1277
Delta R.T. 0.000 min
Lab File: BF142843.D
Acq: 25 Jun 2025 18:04

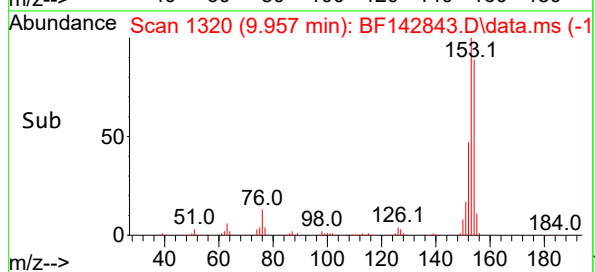
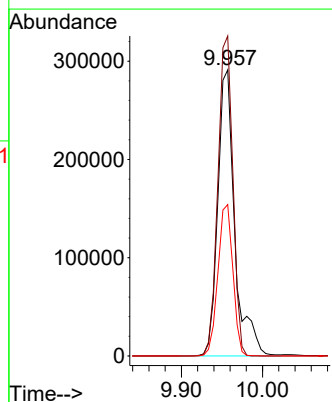
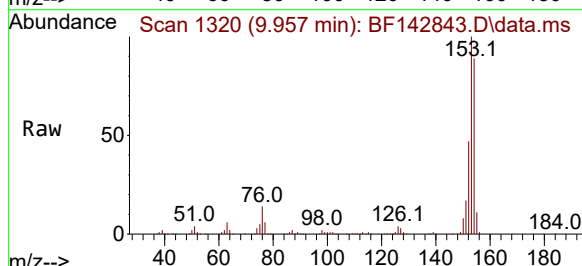
Instrument :
BNA_F
ClientSampleId :
MH-K/LMS

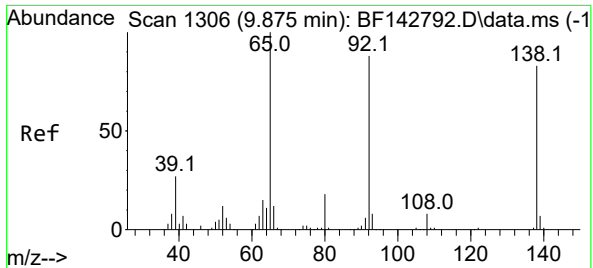
Tgt Ion	Ratio	Lower	Upper
165	100		
63	54.4	44.2	66.4
89	49.4	39.8	59.8



#52
Acenaphthene
Concen: 43.038 ng
RT: 9.957 min Scan# 1320
Delta R.T. 0.000 min
Lab File: BF142843.D
Acq: 25 Jun 2025 18:04

Tgt Ion	Ratio	Lower	Upper
154	100		
153	111.8	90.0	135.0
152	52.9	41.9	62.9

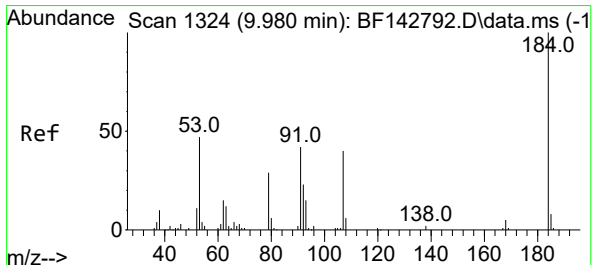
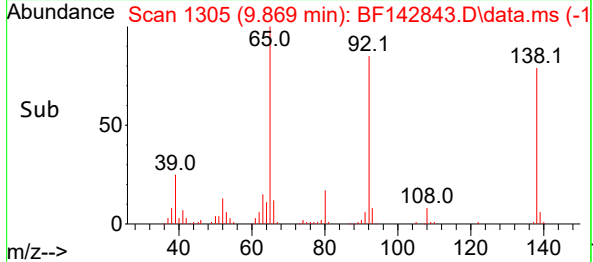
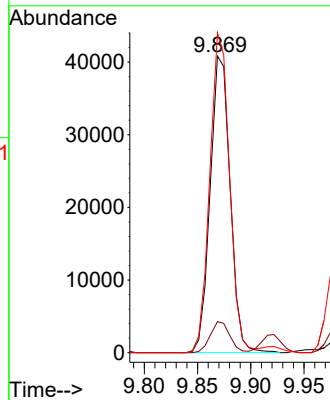
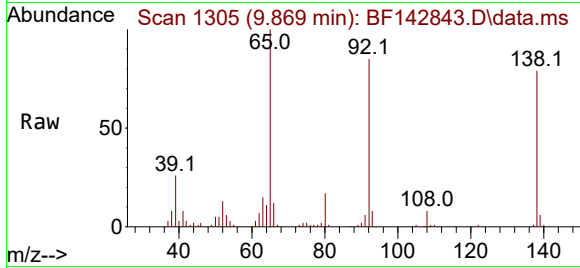




#53
3-Nitroaniline
Concen: 20.550 ng
RT: 9.869 min Scan# 11
Delta R.T. -0.006 min
Lab File: BF142843.D
Acq: 25 Jun 2025 18:04

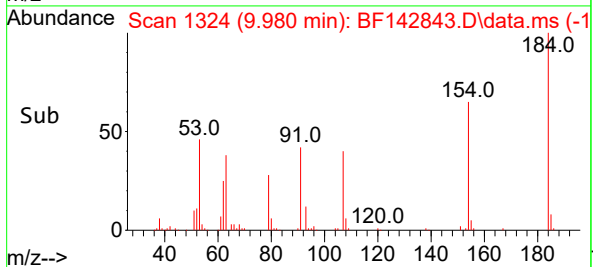
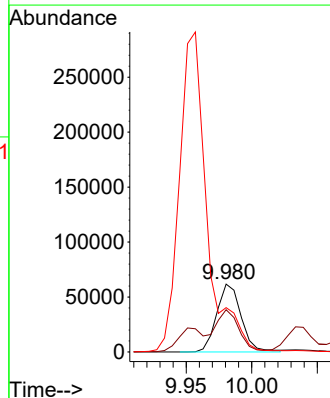
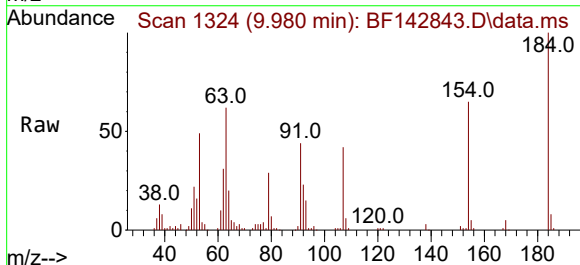
Instrument :
BNA_F
ClientSampleId :
MH-K/LMS

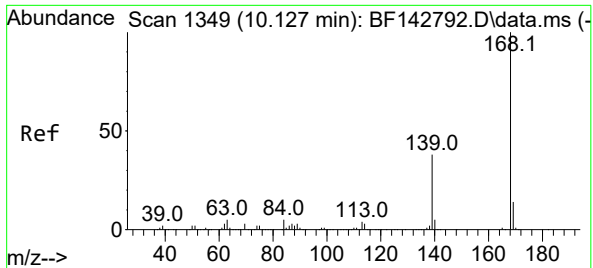
Tgt Ion	Resp	Ion Ratio	Lower	Upper
138	53290	100		
108		10.4	8.1	12.1
92		107.9	85.1	127.7



#54
2,4-Dinitrophenol
Concen: 67.877 ng
RT: 9.980 min Scan# 1324
Delta R.T. 0.000 min
Lab File: BF142843.D
Acq: 25 Jun 2025 18:04

Tgt Ion	Resp	Ion Ratio	Lower	Upper
184	80048	100		
63		62.3	50.6	75.8
154		65.3	51.8	77.8





#55

Dibenzofuran

Concen: 39.809 ng

RT: 10.128 min Scan# 1

Delta R.T. 0.000 min

Lab File: BF142843.D

Acq: 25 Jun 2025 18:04

Instrument :

BNA_F

ClientSampleId :

MH-K/LMS

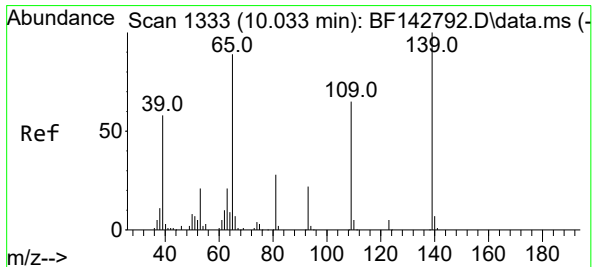
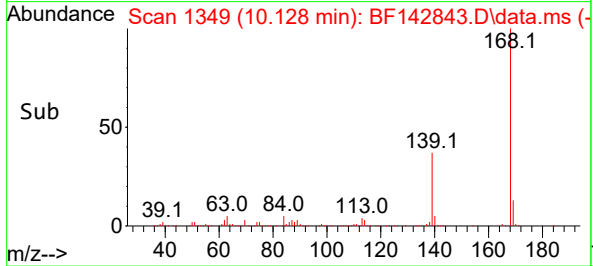
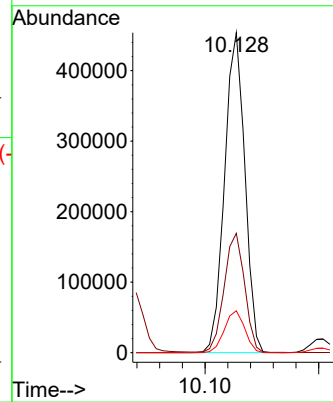
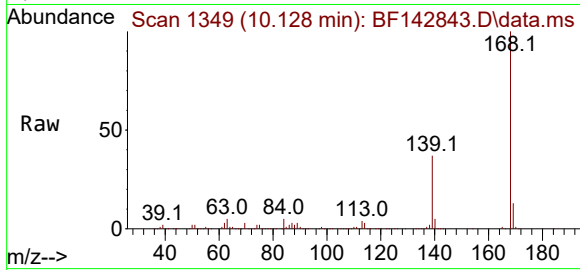
Tgt Ion:168 Resp: 563126

Ion Ratio Lower Upper

168 100

139 37.3 30.2 45.4

169 13.1 10.8 16.2



#56

4-Nitrophenol

Concen: 64.891 ng

RT: 10.039 min Scan# 1334

Delta R.T. 0.006 min

Lab File: BF142843.D

Acq: 25 Jun 2025 18:04

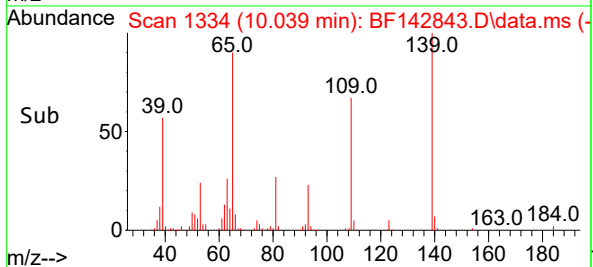
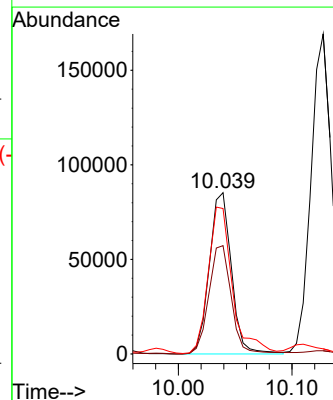
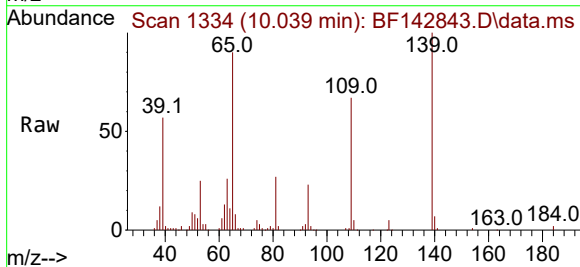
Tgt Ion:139 Resp: 115198

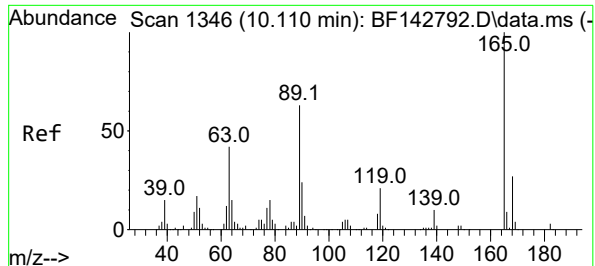
Ion Ratio Lower Upper

139 100

109 67.2 44.7 84.7

65 90.2 69.8 109.8

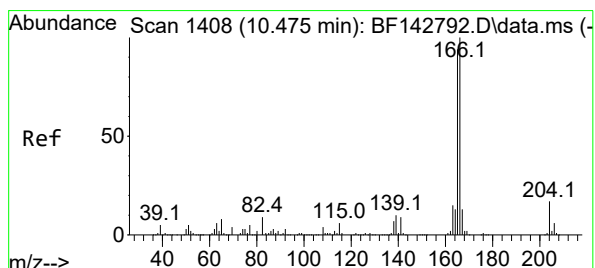
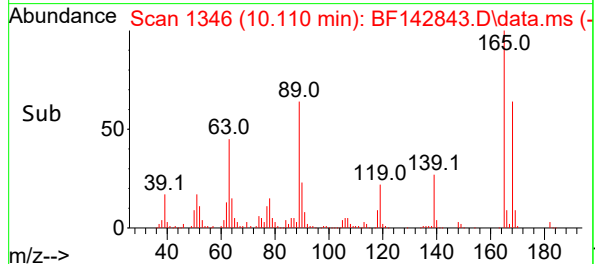
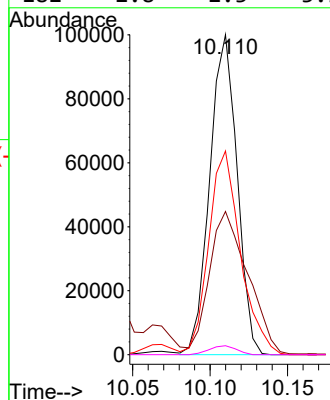
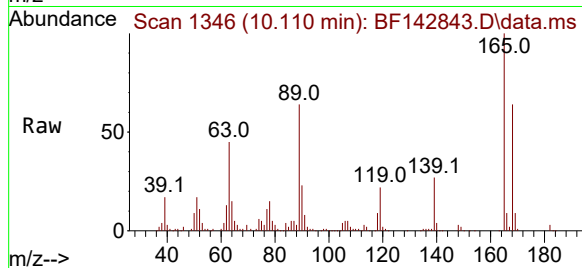




#57
2,4-Dinitrotoluene
Concen: 39.258 ng
RT: 10.110 min Scan# 11
Delta R.T. 0.000 min
Lab File: BF142843.D
Acq: 25 Jun 2025 18:04

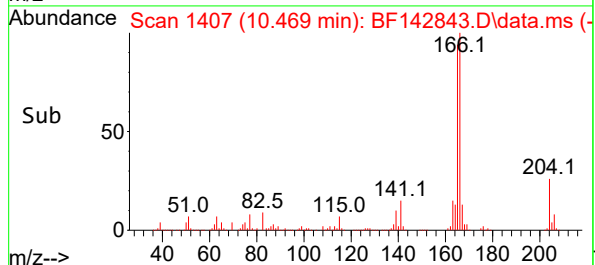
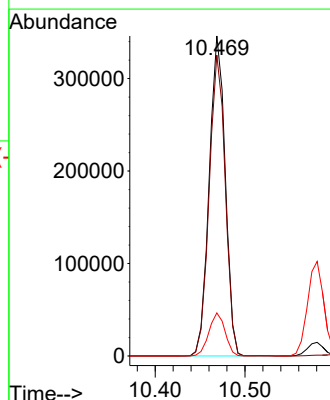
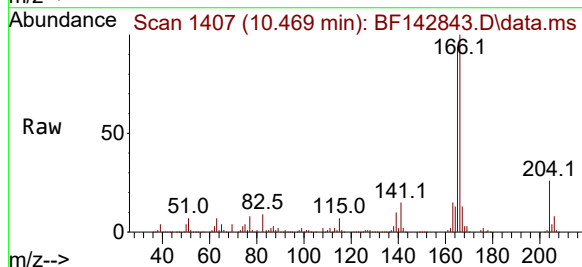
Instrument :
BNA_F
ClientSampleId :
MH-K/LMS

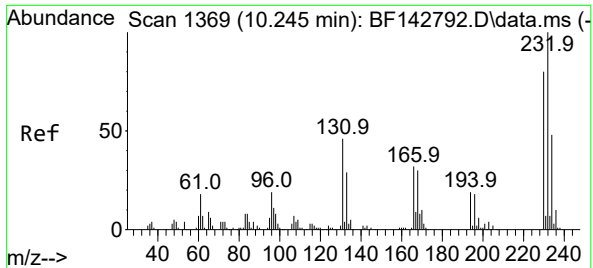
Tgt Ion:165 Resp: 122816
Ion Ratio Lower Upper
165 100
63 44.8 33.9 50.9
89 63.7 50.6 75.8
182 2.8 2.3 3.5



#58
Fluorene
Concen: 38.858 ng
RT: 10.469 min Scan# 1407
Delta R.T. -0.006 min
Lab File: BF142843.D
Acq: 25 Jun 2025 18:04

Tgt Ion:166 Resp: 429288
Ion Ratio Lower Upper
166 100
165 94.0 75.2 112.8
167 13.5 10.6 15.8

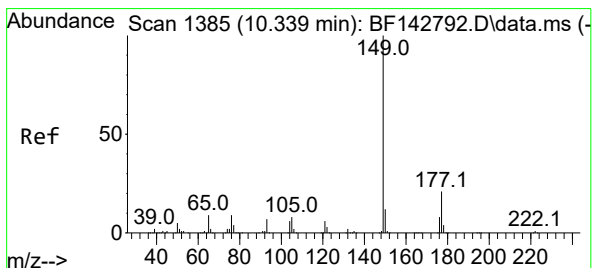
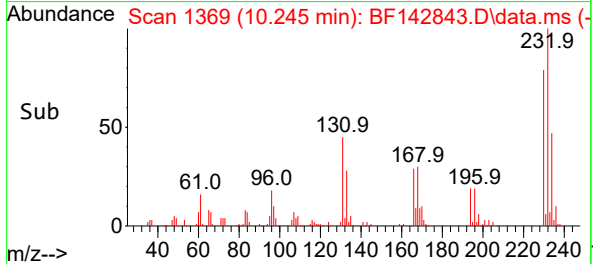
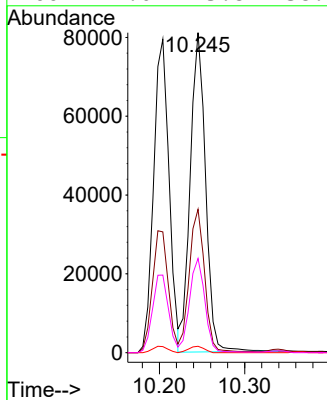
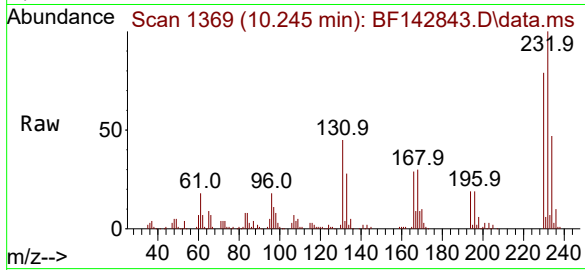




#59
2,3,4,6-Tetrachlorophenol
Concen: 37.490 ng
RT: 10.245 min Scan# 1369
Delta R.T. 0.000 min
Lab File: BF142843.D
Acq: 25 Jun 2025 18:04

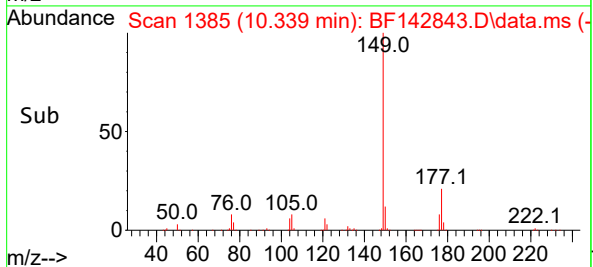
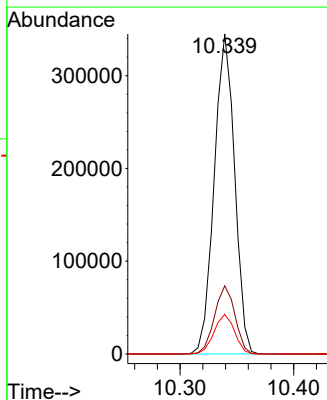
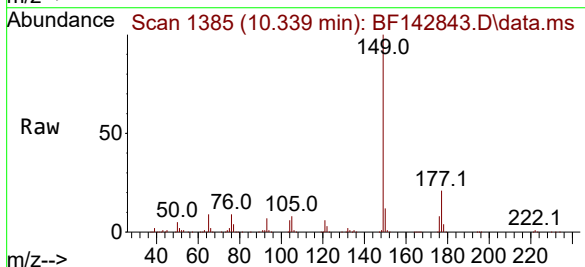
Instrument :
BNA_F
ClientSampleId :
MH-K/LMS

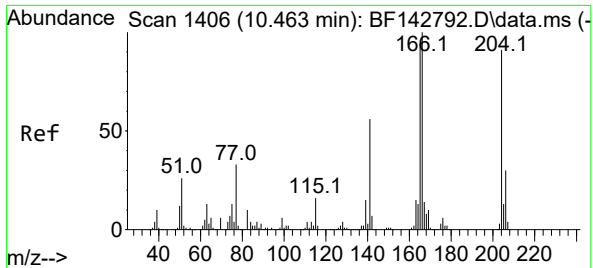
Tgt Ion:232 Resp: 101337
Ion Ratio Lower Upper
232 100
131 45.6 37.6 56.4
130 2.1 1.7 2.5
166 29.0 25.8 38.6



#60
Diethylphthalate
Concen: 40.925 ng
RT: 10.339 min Scan# 1385
Delta R.T. 0.000 min
Lab File: BF142843.D
Acq: 25 Jun 2025 18:04

Tgt Ion:149 Resp: 430342
Ion Ratio Lower Upper
149 100
177 21.3 17.0 25.6
150 12.4 9.8 14.6

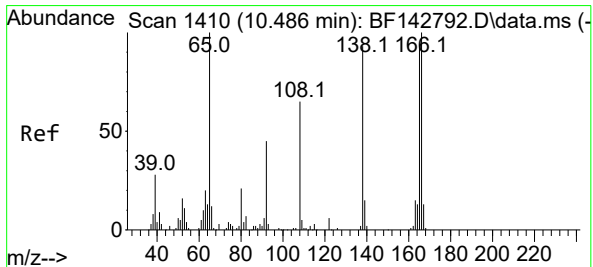
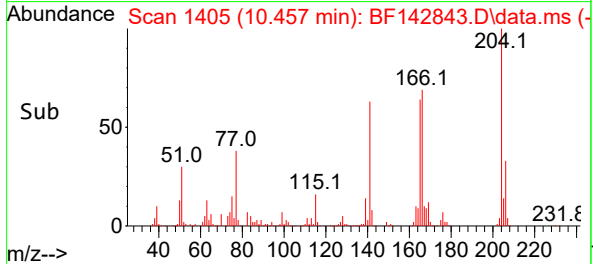
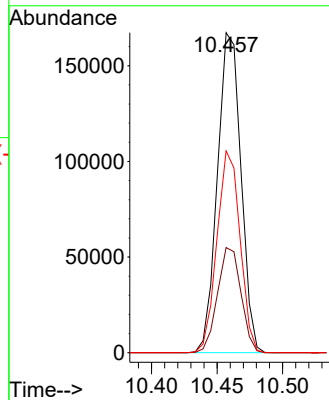
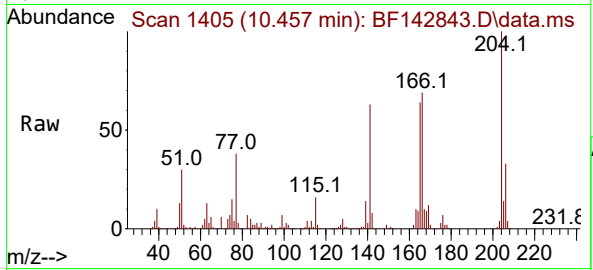




#61
4-Chlorophenyl-phenylether
Concen: 39.601 ng
RT: 10.457 min Scan# 1405
Delta R.T. -0.006 min
Lab File: BF142843.D
Acq: 25 Jun 2025 18:04

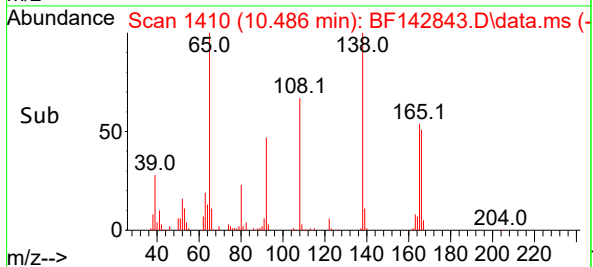
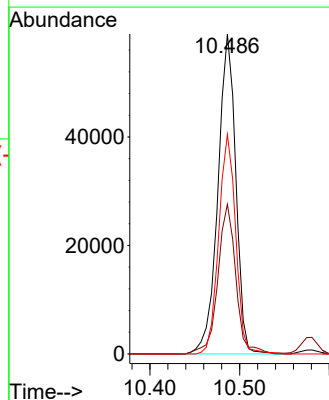
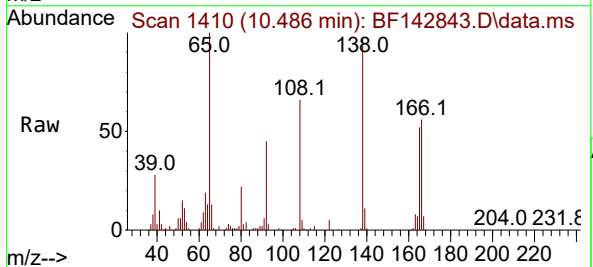
Instrument :
BNA_F
ClientSampleId :
MH-K/LMS

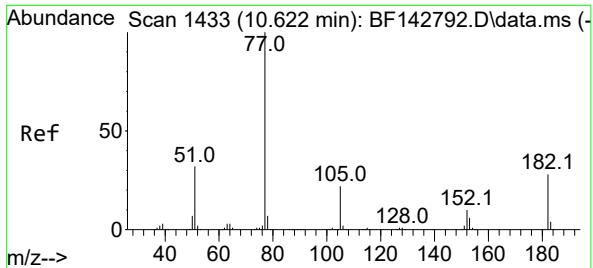
Tgt Ion:204 Resp: 208769
Ion Ratio Lower Upper
204 100
206 32.9 26.3 39.5
141 63.1 49.1 73.7



#62
4-Nitroaniline
Concen: 34.388 ng
RT: 10.486 min Scan# 1410
Delta R.T. 0.000 min
Lab File: BF142843.D
Acq: 25 Jun 2025 18:04

Tgt Ion:138 Resp: 81554
Ion Ratio Lower Upper
138 100
92 46.8 28.4 68.4
108 68.6 50.2 90.2

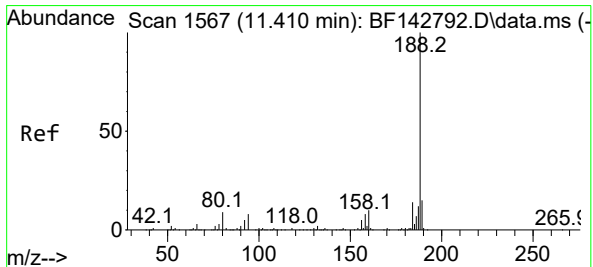
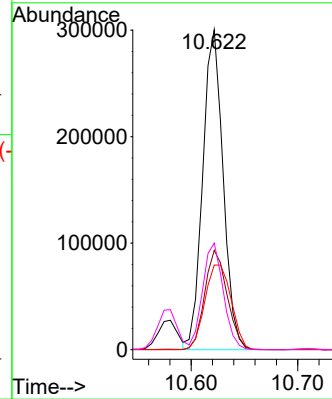
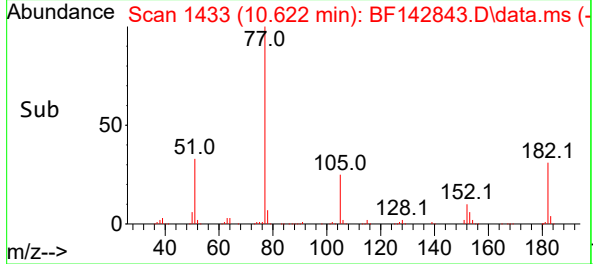
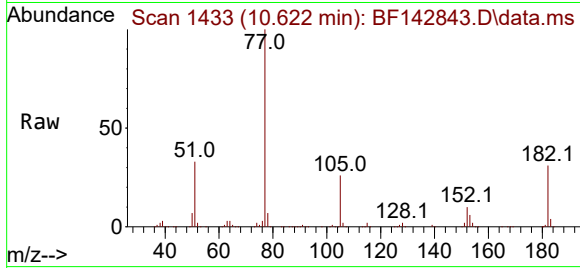




#63
Azobenzene
Concen: 42.566 ng
RT: 10.622 min Scan# 1433
Delta R.T. 0.000 min
Lab File: BF142843.D
Acq: 25 Jun 2025 18:04

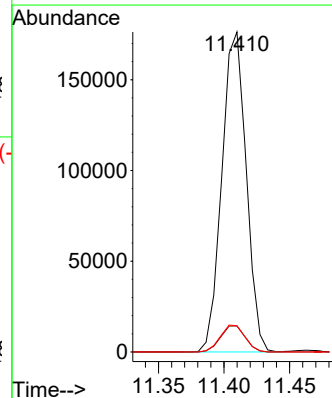
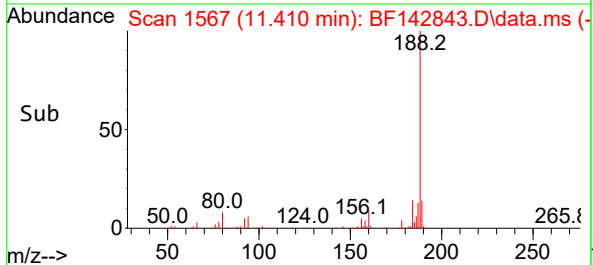
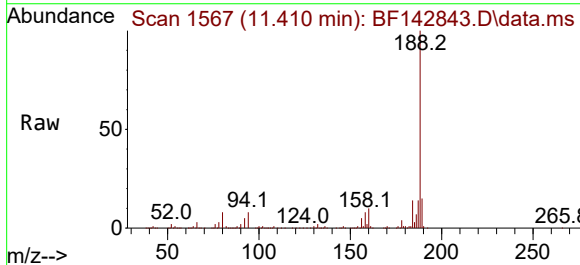
Instrument :
BNA_F
ClientSampleId :
MH-K/LMS

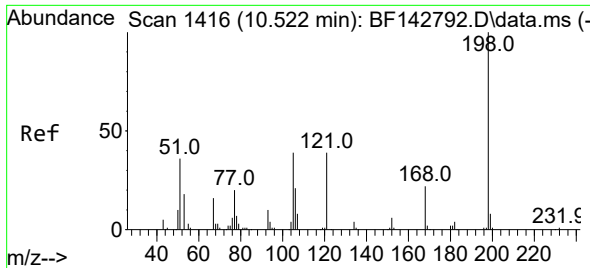
Tgt Ion: 77	Resp: 400040
Ion Ratio	Lower Upper
77 100	
182 31.1	7.7 47.7
105 26.5	1.9 41.9
51 33.3	13.3 53.3



#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.410 min Scan# 1567
Delta R.T. 0.000 min
Lab File: BF142843.D
Acq: 25 Jun 2025 18:04

Tgt Ion:188	Resp: 227501
Ion Ratio	Lower Upper
188 100	
94 8.1	6.7 10.1
80 8.2	6.9 10.3

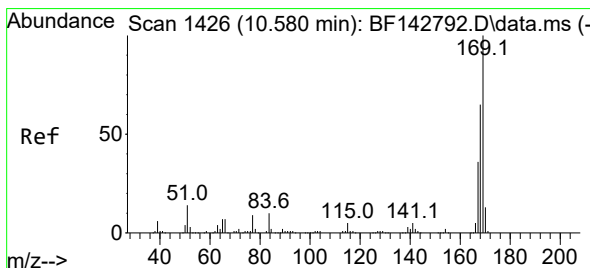
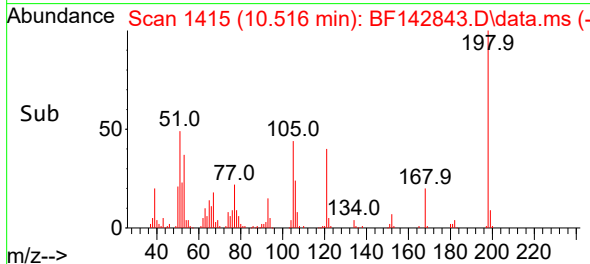
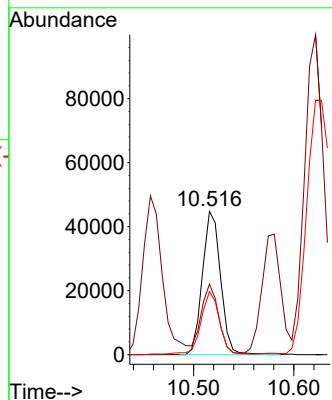
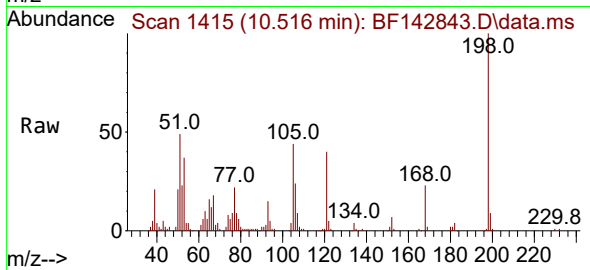




#65
4,6-Dinitro-2-methylphenol
Concen: 41.096 ng
RT: 10.516 min Scan# 1416
Delta R.T. -0.006 min
Lab File: BF142843.D
Acq: 25 Jun 2025 18:04

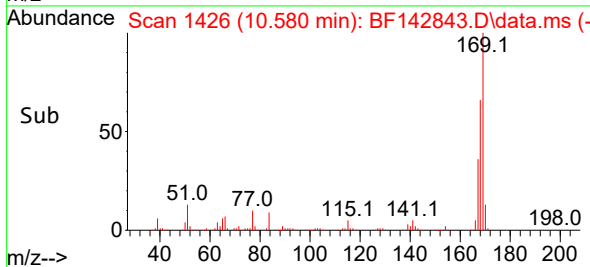
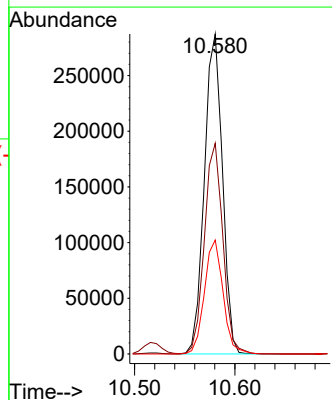
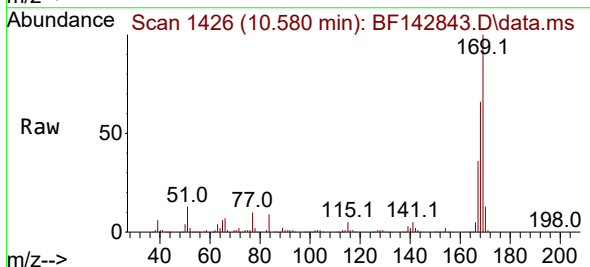
Instrument :
BNA_F
ClientSampleId :
MH-K/LMS

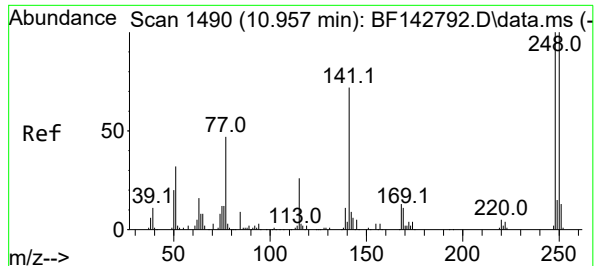
Tgt Ion:198 Resp: 56551
Ion Ratio Lower Upper
198 100
51 49.2 25.4 65.4
105 44.1 20.4 60.4



#66
n-Nitrosodiphenylamine
Concen: 45.765 ng
RT: 10.580 min Scan# 1426
Delta R.T. 0.000 min
Lab File: BF142843.D
Acq: 25 Jun 2025 18:04

Tgt Ion:169 Resp: 360840
Ion Ratio Lower Upper
169 100
168 65.9 51.9 77.9
167 35.6 28.5 42.7

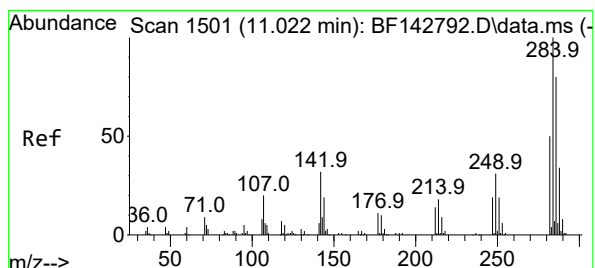
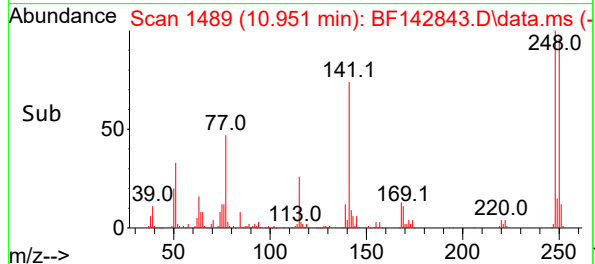
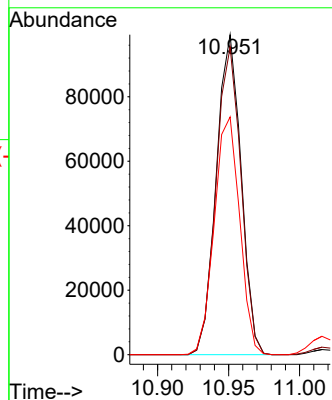
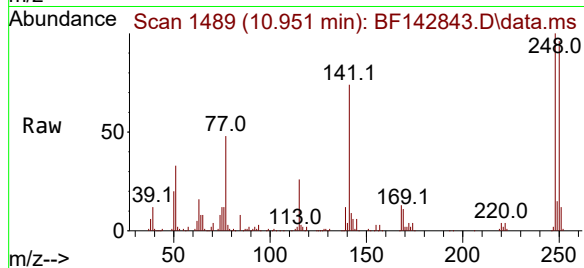




#67
4-Bromophenyl-phenylether
Concen: 46.605 ng
RT: 10.951 min Scan# 1490
Delta R.T. -0.006 min
Lab File: BF142843.D
Acq: 25 Jun 2025 18:04

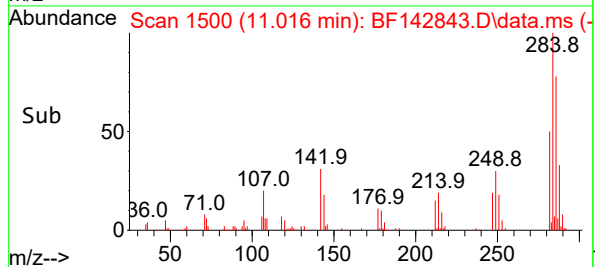
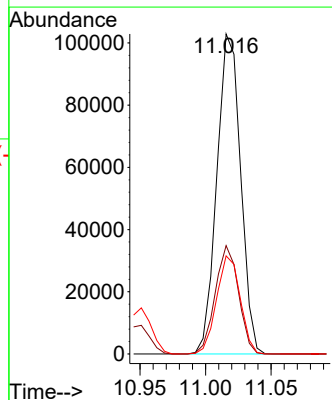
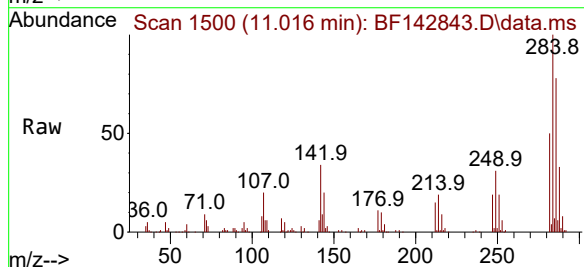
Instrument :
BNA_F
ClientSampleId :
MH-K/LMS

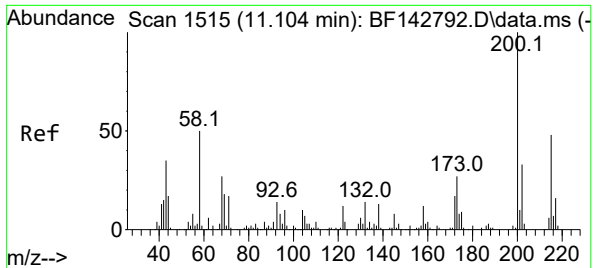
Tgt Ion:248 Resp: 120669
Ion Ratio Lower Upper
248 100
250 96.2 79.8 119.8
141 74.3 57.8 86.6



#68
Hexachlorobenzene
Concen: 44.955 ng
RT: 11.016 min Scan# 1500
Delta R.T. -0.006 min
Lab File: BF142843.D
Acq: 25 Jun 2025 18:04

Tgt Ion:284 Resp: 129337
Ion Ratio Lower Upper
284 100
142 33.9 25.5 38.3
249 30.7 24.9 37.3





#69

Atrazine

Concen: 46.555 ng

RT: 11.104 min Scan# 1515

Delta R.T. 0.000 min

Lab File: BF142843.D

Acq: 25 Jun 2025 18:04

Instrument :

BNA_F

ClientSampleId :

MH-K/LMS

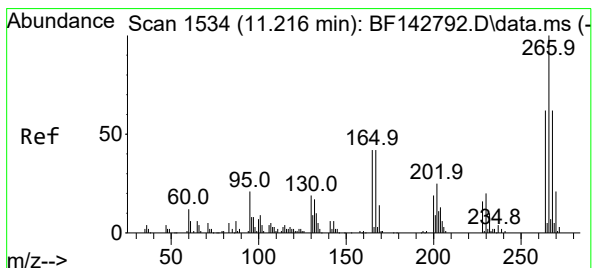
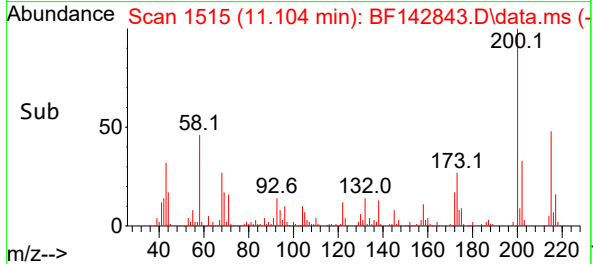
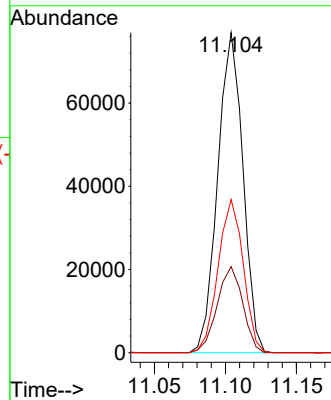
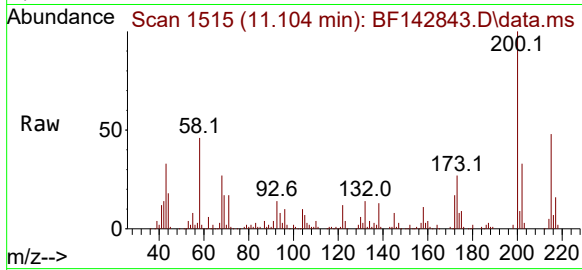
Tgt Ion:200 Resp: 94788

Ion Ratio Lower Upper

200 100

173 26.9 7.4 47.4

215 47.9 28.4 68.4



#70

Pentachlorophenol

Concen: 74.720 ng

RT: 11.216 min Scan# 1534

Delta R.T. 0.000 min

Lab File: BF142843.D

Acq: 25 Jun 2025 18:04

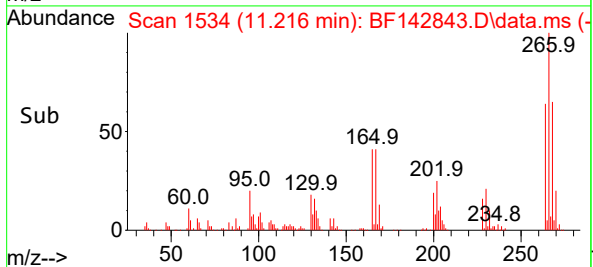
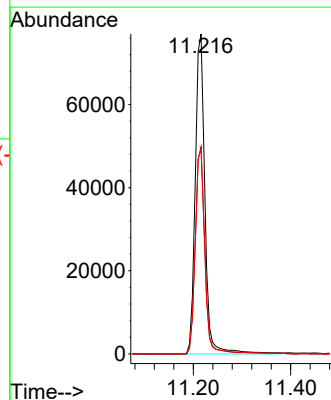
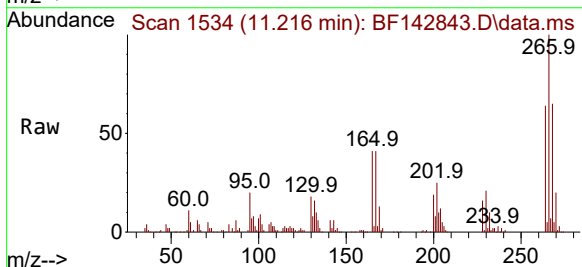
Tgt Ion:266 Resp: 107120

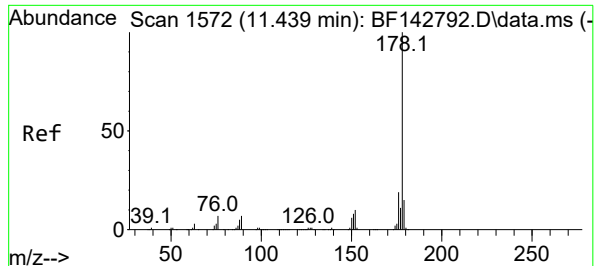
Ion Ratio Lower Upper

266 100

268 64.7 49.8 74.8

264 64.2 49.9 74.9





#71

Phenanthrene

Concen: 41.020 ng

RT: 11.433 min Scan# 1572

Delta R.T. -0.006 min

Lab File: BF142843.D

Acq: 25 Jun 2025 18:04

Instrument :

BNA_F

ClientSampleId :

MH-K/LMS

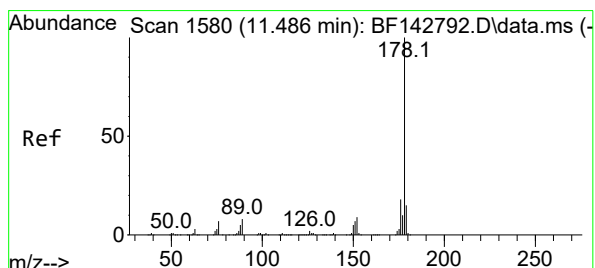
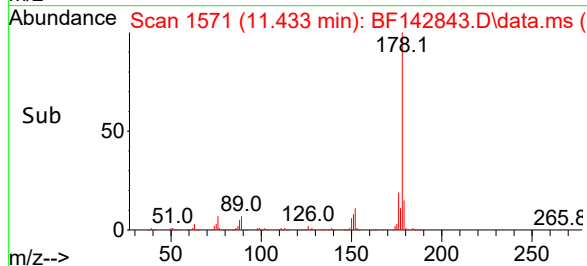
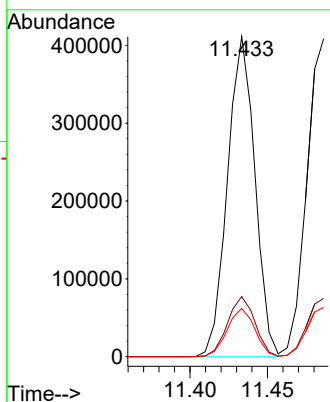
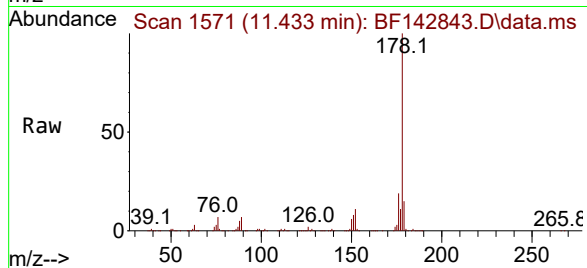
Tgt Ion:178 Resp: 505523

Ion Ratio Lower Upper

178 100

176 18.8 15.1 22.7

179 15.1 12.0 18.0



#72

Anthracene

Concen: 40.616 ng

RT: 11.486 min Scan# 1580

Delta R.T. 0.000 min

Lab File: BF142843.D

Acq: 25 Jun 2025 18:04

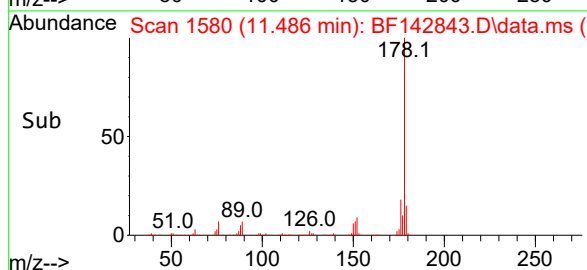
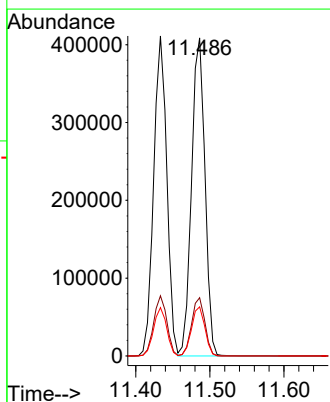
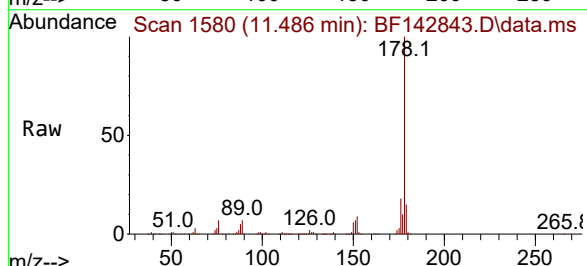
Tgt Ion:178 Resp: 513353

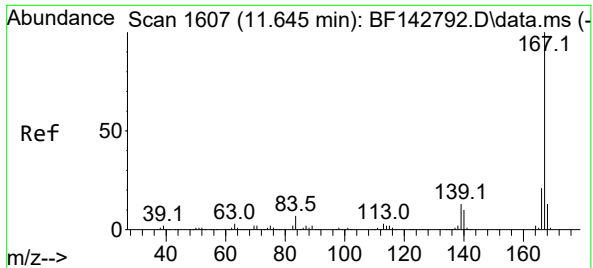
Ion Ratio Lower Upper

178 100

176 18.3 14.6 21.8

179 15.4 12.4 18.6

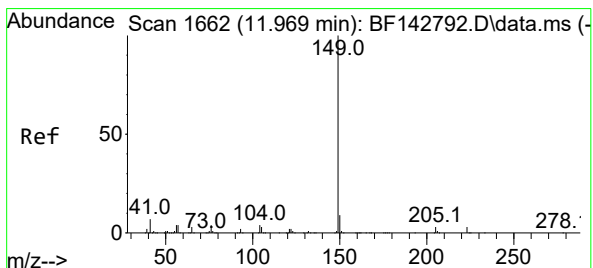
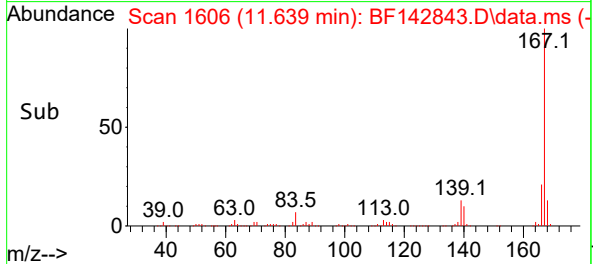
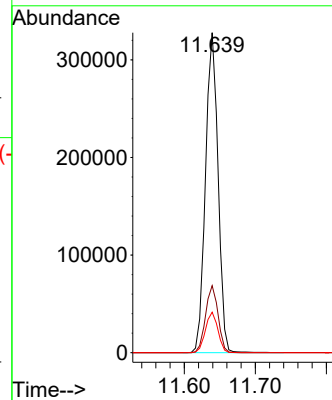
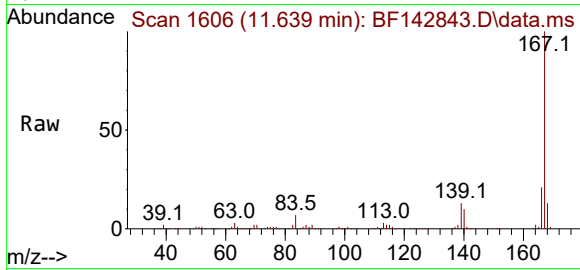




#73
Carbazole
Concen: 37.050 ng
RT: 11.639 min Scan# 1606
Delta R.T. -0.006 min
Lab File: BF142843.D
Acq: 25 Jun 2025 18:04

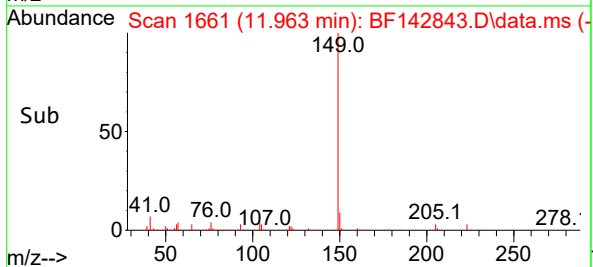
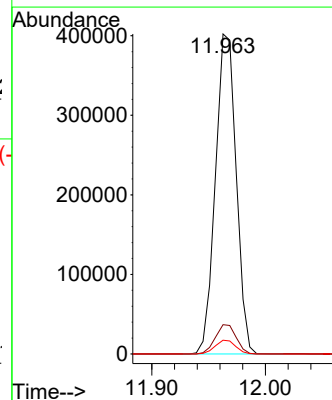
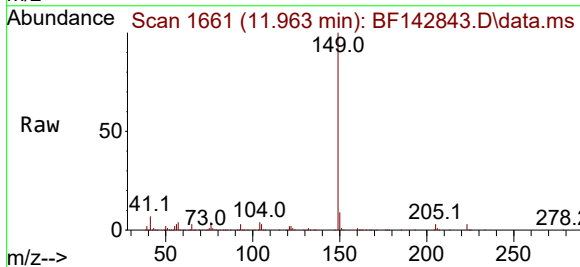
Instrument :
BNA_F
ClientSampleId :
MH-K/LMS

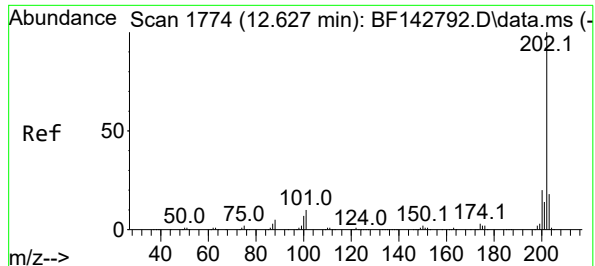
Tgt Ion:167 Resp: 404102
Ion Ratio Lower Upper
167 100
166 20.9 17.0 25.4
139 12.6 10.2 15.2



#74
Di-n-butylphthalate
Concen: 45.058 ng
RT: 11.963 min Scan# 1661
Delta R.T. -0.006 min
Lab File: BF142843.D
Acq: 25 Jun 2025 18:04

Tgt Ion:149 Resp: 511965
Ion Ratio Lower Upper
149 100
150 9.2 7.4 11.0
104 4.3 3.5 5.3





#75

Fluoranthene

Concen: 35.965 ng

RT: 12.621 min Scan# 1

Delta R.T. -0.006 min

Lab File: BF142843.D

Acq: 25 Jun 2025 18:04

Instrument :

BNA_F

ClientSampleId :

MH-K/LMS

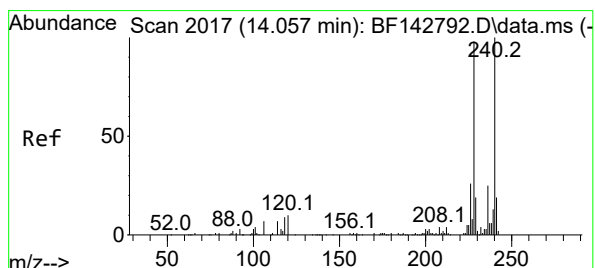
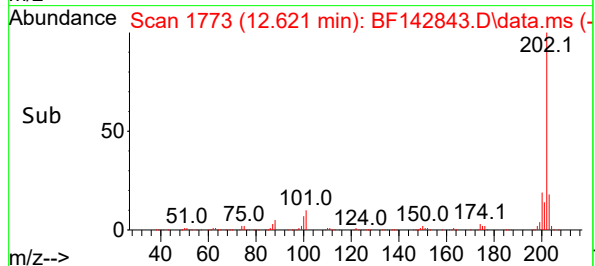
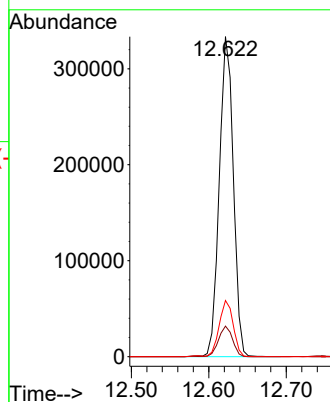
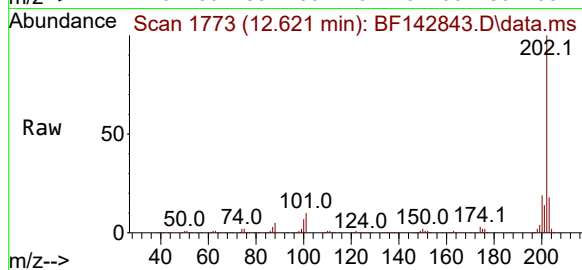
Tgt Ion:202 Resp: 420643

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: BF142843.D

Acq: 25 Jun 2025 18:04

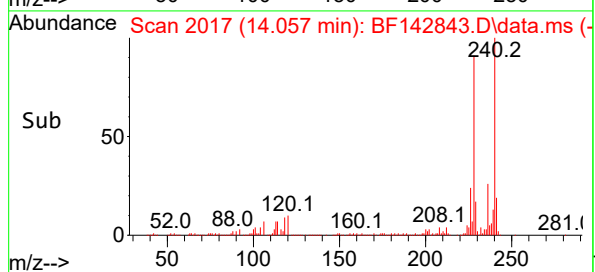
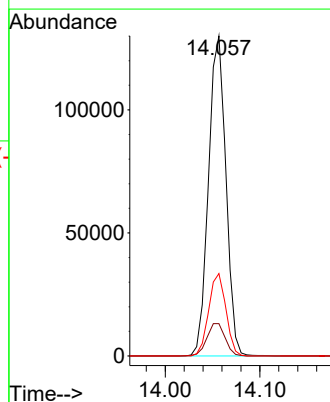
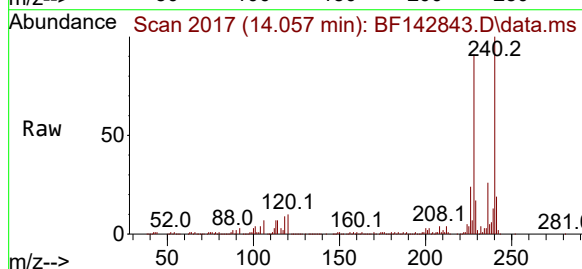
Tgt Ion:240 Resp: 165966

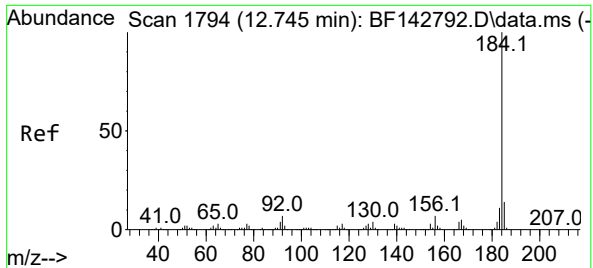
Ion Ratio Lower Upper

240 100

120 10.1 8.2 12.2

236 25.8 19.8 29.8





#77

Benzidine

Concen: 26.465 ng

RT: 12.745 min Scan# 1

Delta R.T. 0.000 min

Lab File: BF142843.D

Acq: 25 Jun 2025 18:04

Instrument :

BNA_F

ClientSampleId :

MH-K/LMS

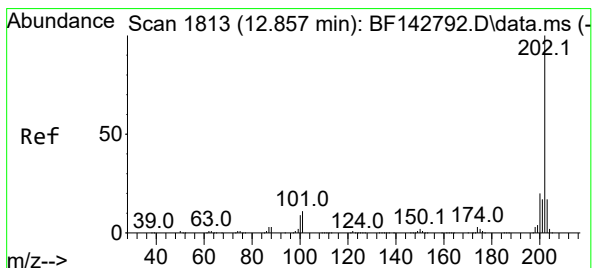
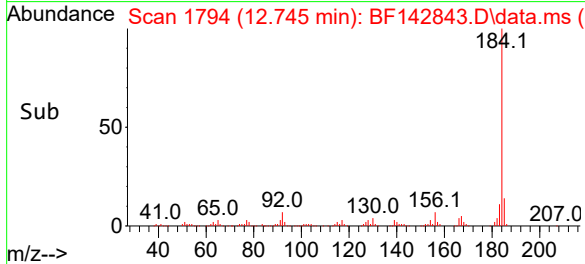
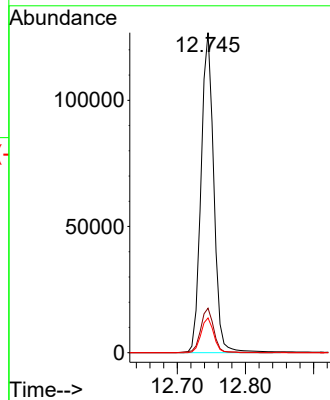
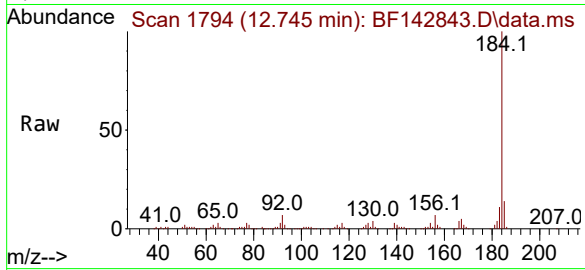
Tgt Ion:184 Resp: 165026

Ion Ratio Lower Upper

184 100

185 13.9 11.5 17.3

183 10.8 9.0 13.4



#78

Pyrene

Concen: 26.837 ng

RT: 12.851 min Scan# 1812

Delta R.T. -0.006 min

Lab File: BF142843.D

Acq: 25 Jun 2025 18:04

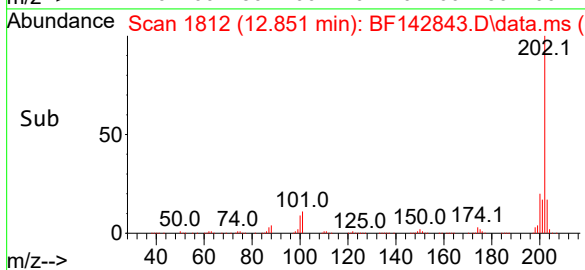
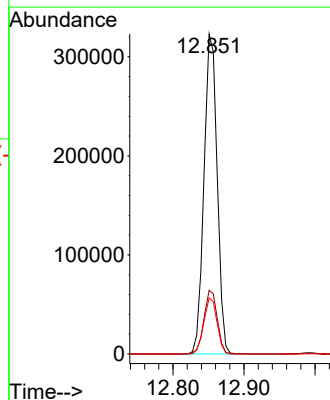
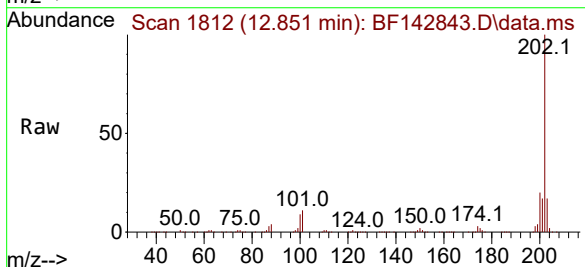
Tgt Ion:202 Resp: 417496

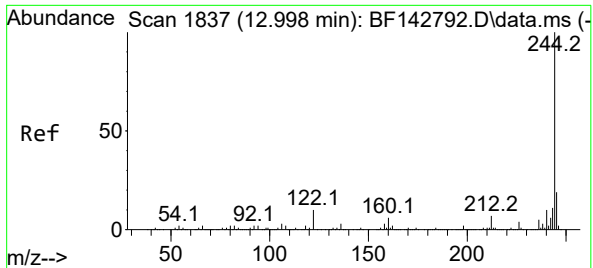
Ion Ratio Lower Upper

202 100

200 19.9 15.7 23.5

203 17.5 13.8 20.6





#79

Terphenyl-d14

Concen: 38.581 ng

RT: 12.992 min Scan# 1836

Delta R.T. -0.006 min

Lab File: BF142843.D

Acq: 25 Jun 2025 18:04

Instrument :

BNA_F

ClientSampleId :

MH-K/LMS

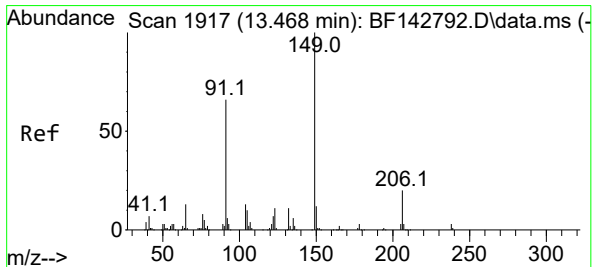
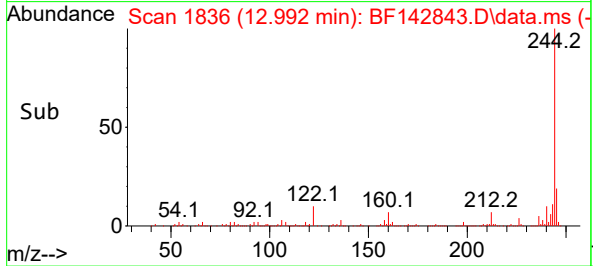
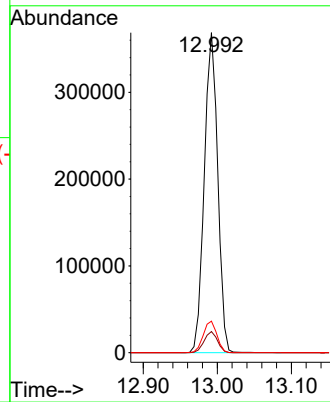
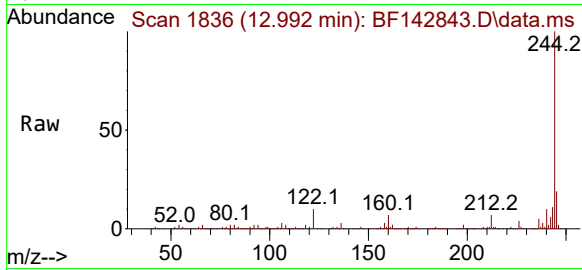
Tgt Ion:244 Resp: 463419

Ion Ratio Lower Upper

244 100

212 6.6 5.4 8.0

122 9.9 8.2 12.2



#80

Butylbenzylphthalate

Concen: 40.286 ng

RT: 13.469 min Scan# 1917

Delta R.T. 0.000 min

Lab File: BF142843.D

Acq: 25 Jun 2025 18:04

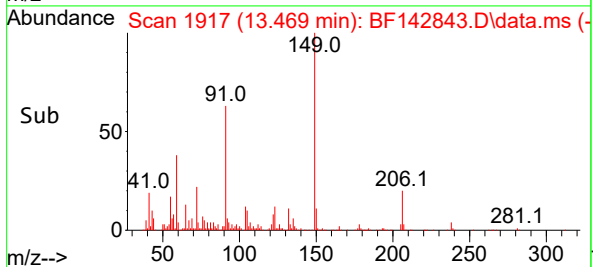
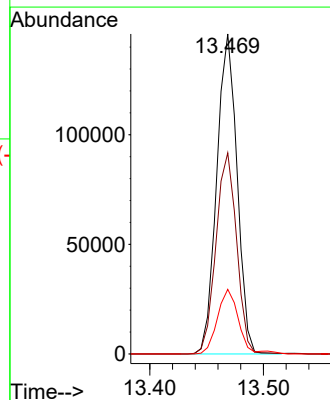
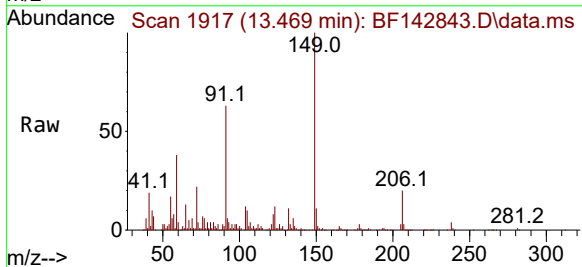
Tgt Ion:149 Resp: 181793

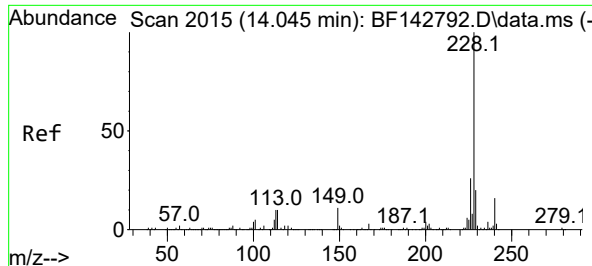
Ion Ratio Lower Upper

149 100

91 62.9 52.9 79.3

206 20.2 16.3 24.5

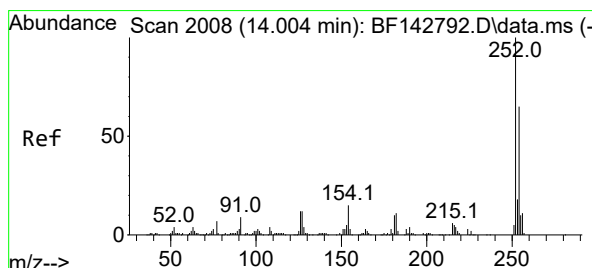
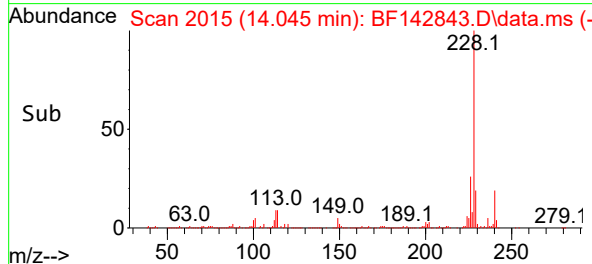
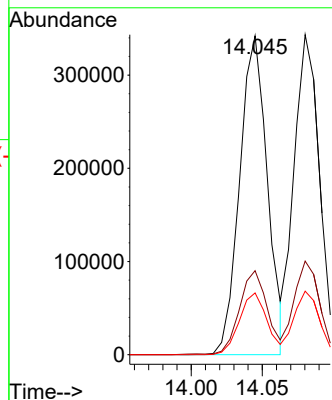
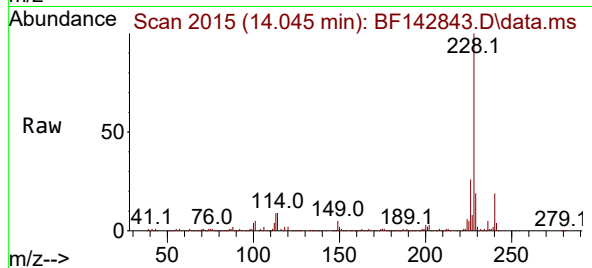




#81
Benzo(a)anthracene
Concen: 41.412 ng
RT: 14.045 min Scan# 2015
Delta R.T. 0.000 min
Lab File: BF142843.D
Acq: 25 Jun 2025 18:04

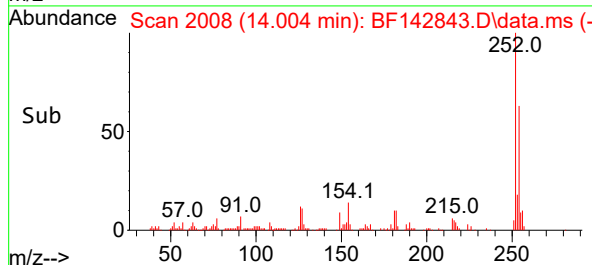
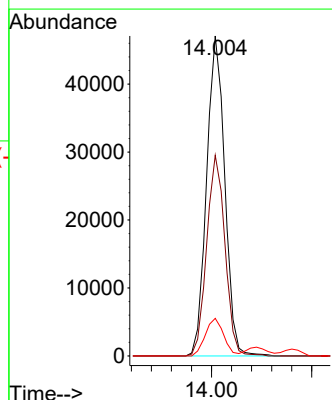
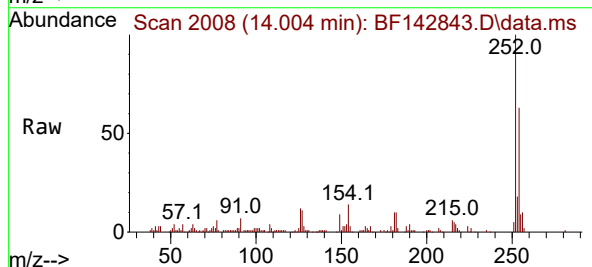
Instrument :
BNA_F
ClientSampleId :
MH-K/LMS

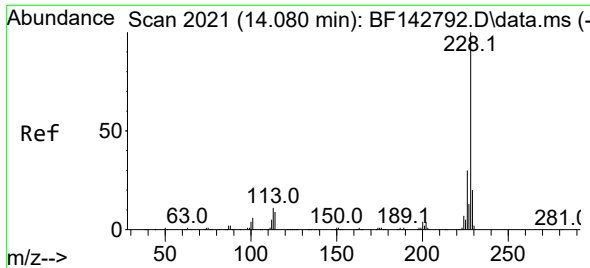
Tgt Ion:228 Resp: 463653
Ion Ratio Lower Upper
228 100
226 26.3 21.2 31.8
229 19.4 15.6 23.4



#82
3,3'-Dichlorobenzidine
Concen: 16.358 ng
RT: 14.004 min Scan# 2008
Delta R.T. 0.000 min
Lab File: BF142843.D
Acq: 25 Jun 2025 18:04

Tgt Ion:252 Resp: 59405
Ion Ratio Lower Upper
252 100
254 62.7 51.7 77.5
126 11.8 9.4 14.2

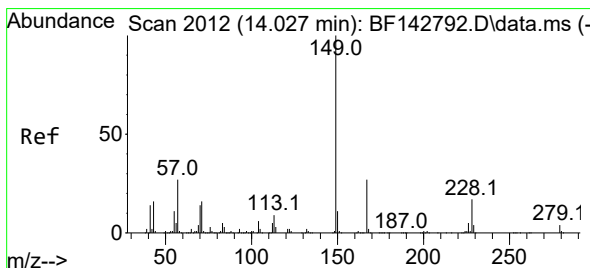
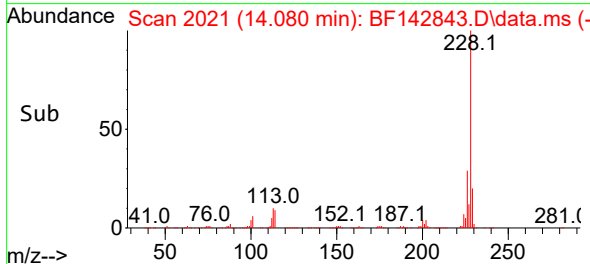
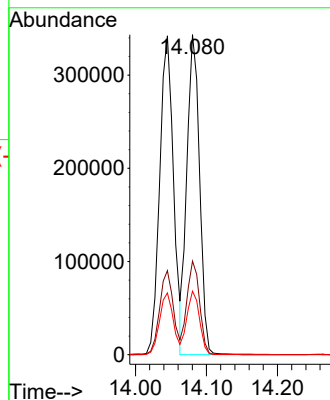
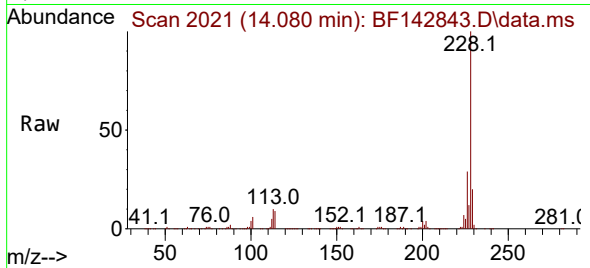




#83
Chrysene
Concen: 42.622 ng
RT: 14.080 min Scan# 2021
Delta R.T. 0.000 min
Lab File: BF142843.D
Acq: 25 Jun 2025 18:04

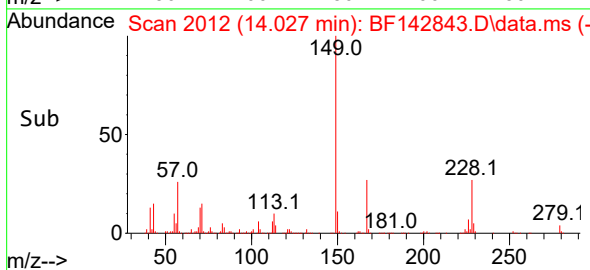
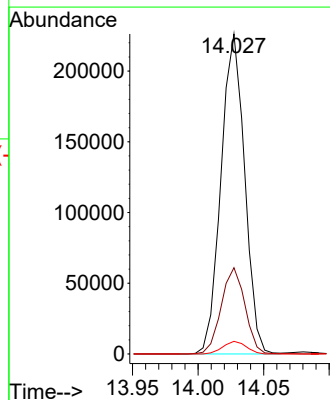
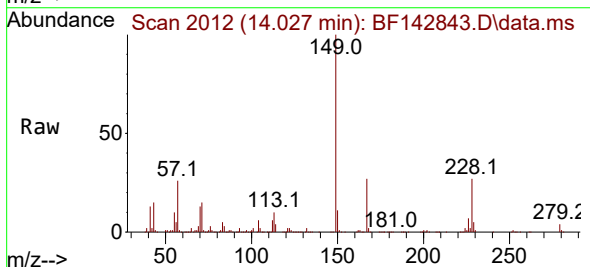
Instrument :
BNA_F
ClientSampleId :
MH-K/LMS

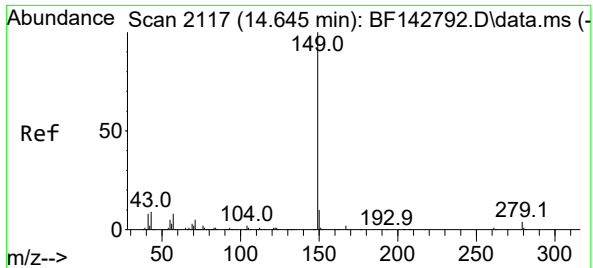
Tgt Ion:228 Resp: 425822
Ion Ratio Lower Upper
228 100
226 29.2 23.7 35.5
229 19.9 15.7 23.5



#84
Bis(2-ethylhexyl)phthalate
Concen: 43.681 ng
RT: 14.027 min Scan# 2012
Delta R.T. 0.000 min
Lab File: BF142843.D
Acq: 25 Jun 2025 18:04

Tgt Ion:149 Resp: 283606
Ion Ratio Lower Upper
149 100
167 26.9 21.4 32.0
279 3.9 3.0 4.6

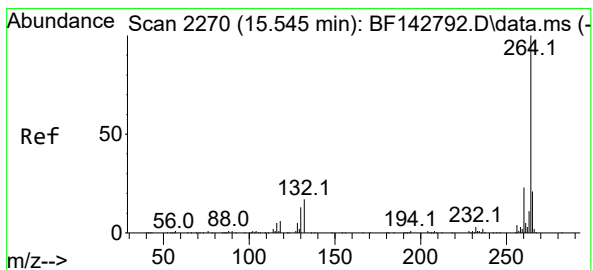
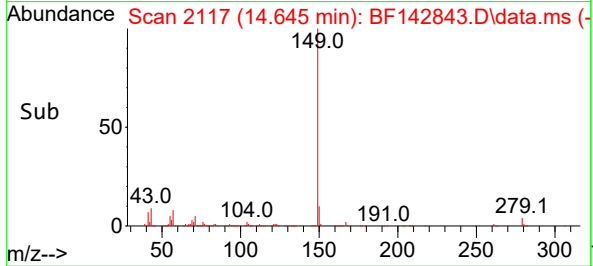
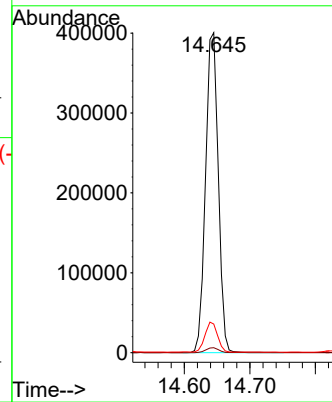
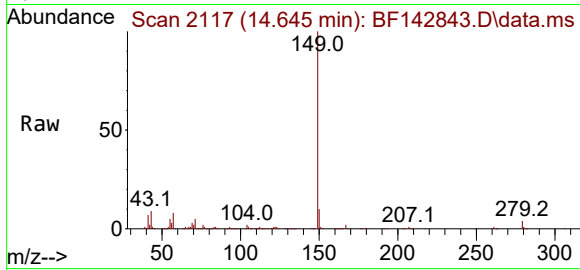




#85
Di-n-octyl phthalate
Concen: 44.267 ng
RT: 14.645 min Scan# 2117
Delta R.T. 0.000 min
Lab File: BF142843.D
Acq: 25 Jun 2025 18:04

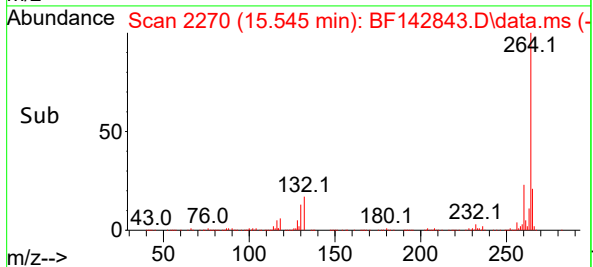
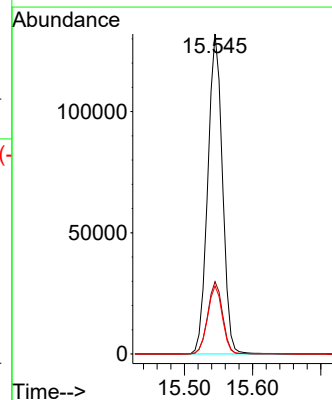
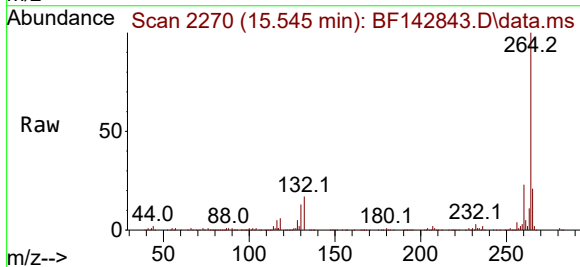
Instrument :
BNA_F
ClientSampleId :
MH-K/LMS

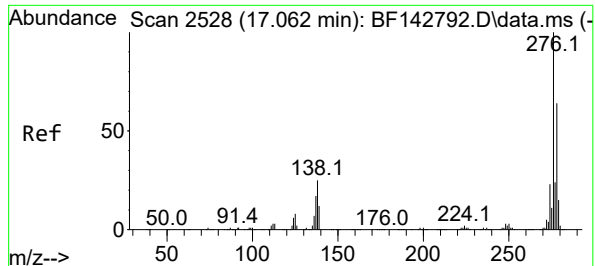
Tgt Ion:149 Resp: 541947
Ion Ratio Lower Upper
149 100
167 1.6 1.3 1.9
43 9.3 7.6 11.4



#86
Perylene-d12
Concen: 20.000 ng
RT: 15.545 min Scan# 2270
Delta R.T. 0.000 min
Lab File: BF142843.D
Acq: 25 Jun 2025 18:04

Tgt Ion:264 Resp: 197780
Ion Ratio Lower Upper
264 100
260 22.6 18.1 27.1
265 21.2 16.6 25.0





#87

Indeno(1,2,3-cd)pyrene

Concen: 24.250 ng

RT: 17.057 min Scan# 2196

Delta R.T. -0.006 min

Lab File: BF142843.D

Acq: 25 Jun 2025 18:04

Instrument :

BNA_F

ClientSampleId :

MH-K/LMS

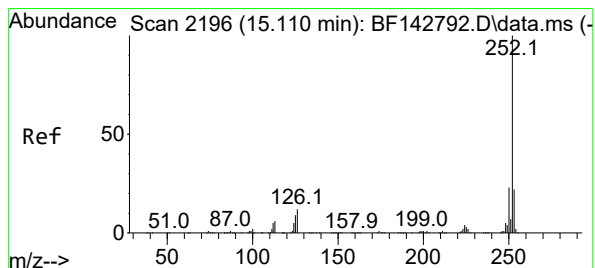
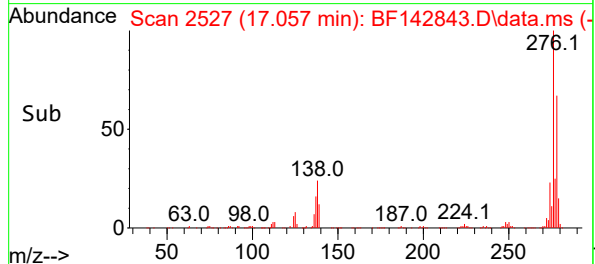
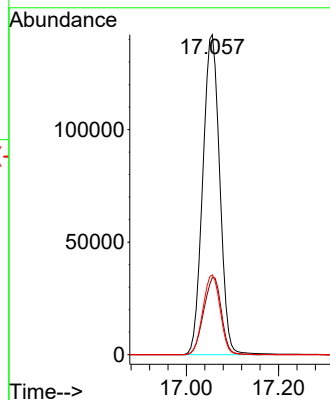
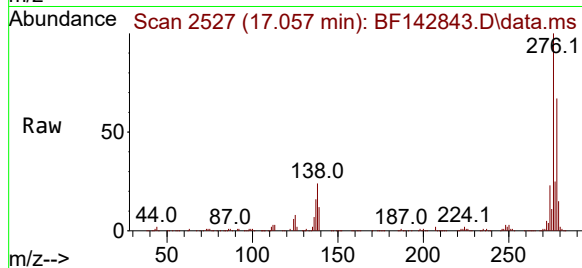
Tgt Ion:276 Resp: 365312

Ion Ratio Lower Upper

276 100

138 25.2 20.2 30.4

277 25.4 19.8 29.6



#88

Benzo(b)fluoranthene

Concen: 44.749 ng

RT: 15.110 min Scan# 2196

Delta R.T. 0.000 min

Lab File: BF142843.D

Acq: 25 Jun 2025 18:04

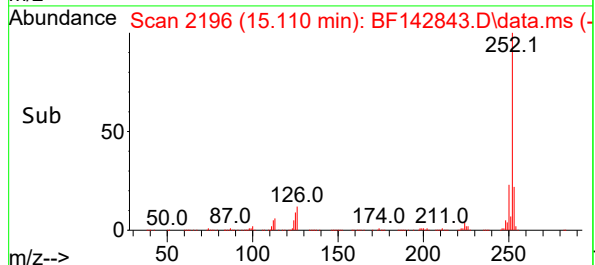
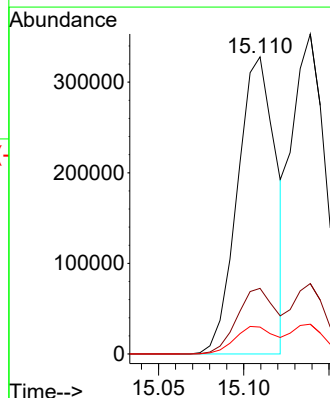
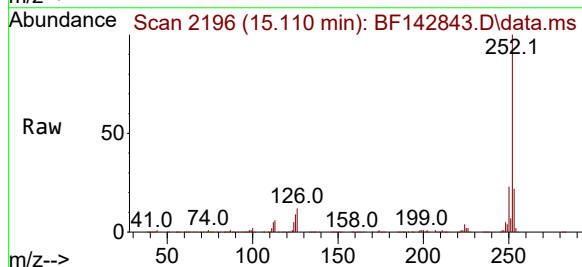
Tgt Ion:252 Resp: 512125

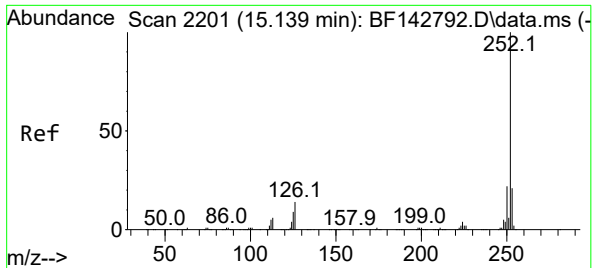
Ion Ratio Lower Upper

252 100

253 22.1 17.5 26.3

125 9.1 7.4 11.0





#89

Benzo(k)fluoranthene

Concen: 45.233 ng

RT: 15.139 min Scan# 2201

Delta R.T. 0.000 min

Lab File: BF142843.D

Acq: 25 Jun 2025 18:04

Instrument :

BNA_F

ClientSampleId :

MH-K/LMS

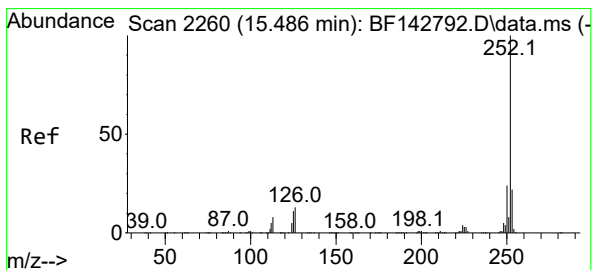
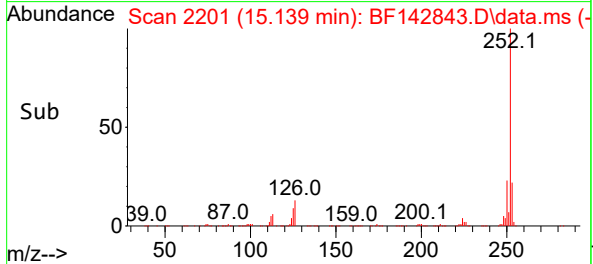
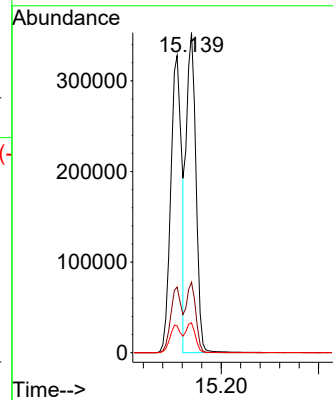
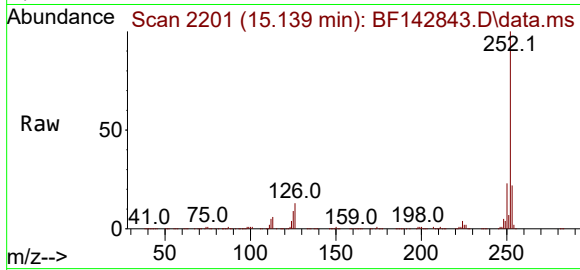
Tgt Ion:252 Resp: 484313

Ion Ratio Lower Upper

252 100

253 22.0 17.2 25.8

125 9.3 7.4 11.2



#90

Benzo(a)pyrene

Concen: 43.019 ng

RT: 15.486 min Scan# 2260

Delta R.T. 0.000 min

Lab File: BF142843.D

Acq: 25 Jun 2025 18:04

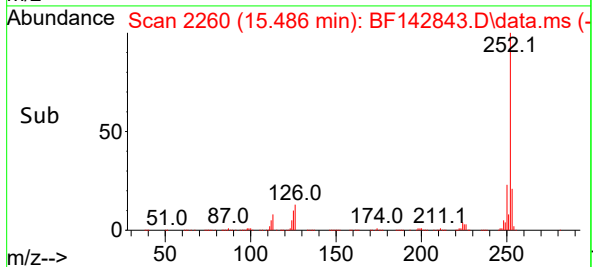
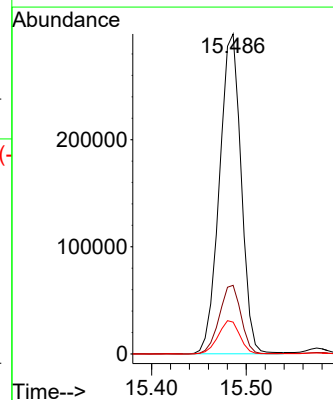
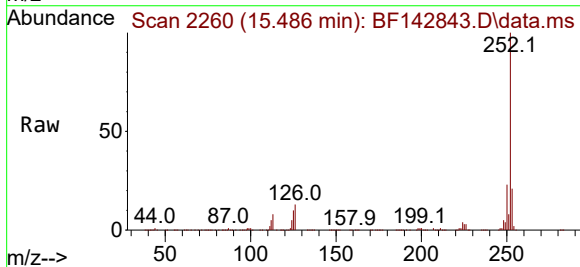
Tgt Ion:252 Resp: 475618

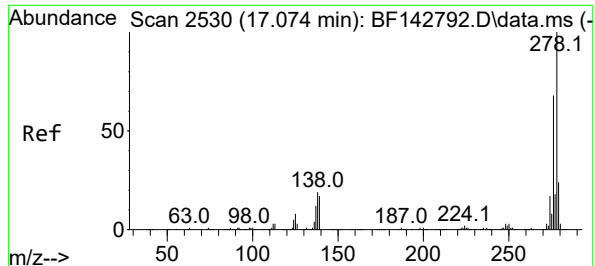
Ion Ratio Lower Upper

252 100

253 21.5 17.5 26.3

125 9.9 8.6 12.8





#91

Dibenzo(a,h)anthracene

Concen: 24.442 ng

RT: 17.068 min Scan# 21

Delta R.T. -0.006 min

Lab File: BF142843.D

Acq: 25 Jun 2025 18:04

Instrument :

BNA_F

ClientSampleId :

MH-K/LMS

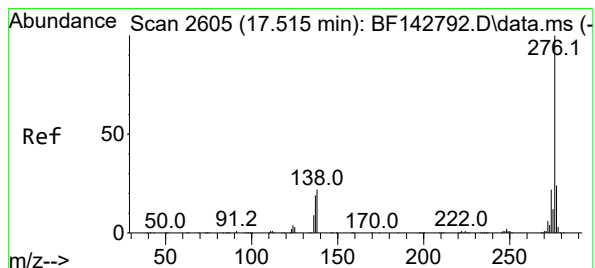
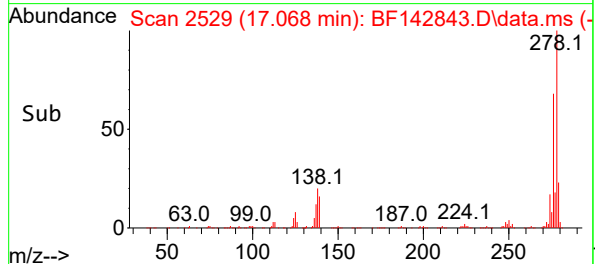
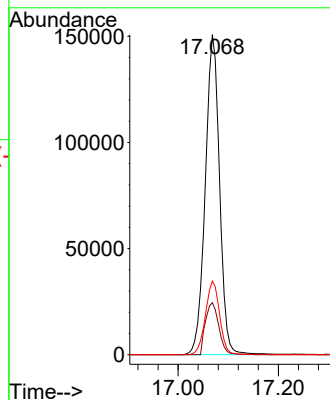
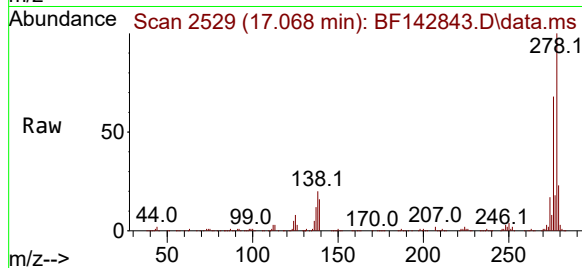
Tgt Ion:278 Resp: 299177

Ion Ratio Lower Upper

278 100

139 16.2 13.5 20.3

279 23.0 18.8 28.2



#92

Benzo(g,h,i)perylene

Concen: 21.062 ng

RT: 17.509 min Scan# 2604

Delta R.T. -0.006 min

Lab File: BF142843.D

Acq: 25 Jun 2025 18:04

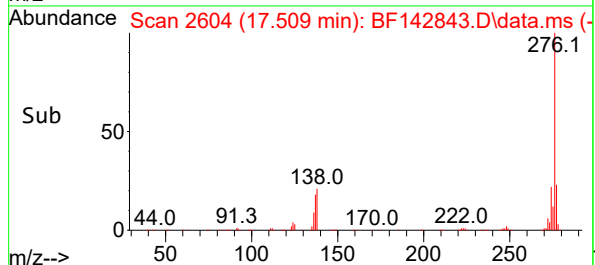
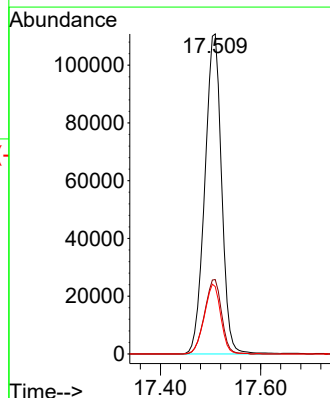
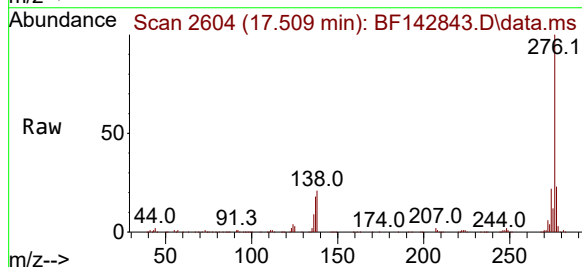
Tgt Ion:276 Resp: 257081

Ion Ratio Lower Upper

276 100

277 23.3 18.8 28.2

138 21.0 17.6 26.4



Report of Analysis

Client:	Union Paving & Construction Company	Date Collected:	06/23/25
Project:	190 Park Ave Hanover Twp NJ - PO 2556-001	Date Received:	06/23/25
Client Sample ID:	MH-K/LMSD	SDG No.:	Q2393
Lab Sample ID:	Q2394-01MSD	Matrix:	SOIL
Analytical Method:	8270E	% Solid:	86.3
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
BF142844.D	1	06/24/25 13:00	06/25/25 18:35	PB168601

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units(Dry Weight)
TARGETS						
100-52-7	Benzaldehyde	900		110	230	ug/Kg
108-95-2	Phenol	950		15.3	120	ug/Kg
111-44-4	bis(2-Chloroethyl)ether	1000		16.9	120	ug/Kg
95-57-8	2-Chlorophenol	990		16.9	120	ug/Kg
95-48-7	2-Methylphenol	980		20.8	120	ug/Kg
108-60-1	2,2-oxybis(1-Chloropropane)	950		26.0	120	ug/Kg
98-86-2	Acetophenone	1000		20.5	120	ug/Kg
65794-96-9	3+4-Methylphenols	980		28.5	230	ug/Kg
621-64-7	n-Nitroso-di-n-propylamine	990		32.9	55.5	ug/Kg
67-72-1	Hexachloroethane	990		12.2	120	ug/Kg
98-95-3	Nitrobenzene	990		12.7	120	ug/Kg
78-59-1	Isophorone	990		22.8	120	ug/Kg
88-75-5	2-Nitrophenol	1100		40.4	120	ug/Kg
105-67-9	2,4-Dimethylphenol	970		45.0	120	ug/Kg
111-91-1	bis(2-Chloroethoxy)methane	1000		21.4	120	ug/Kg
120-83-2	2,4-Dichlorophenol	990		19.6	120	ug/Kg
91-20-3	Naphthalene	980		15.8	120	ug/Kg
106-47-8	4-Chloroaniline	270		24.6	120	ug/Kg
87-68-3	Hexachlorobutadiene	990		17.6	120	ug/Kg
105-60-2	Caprolactam	990		36.2	230	ug/Kg
59-50-7	4-Chloro-3-methylphenol	970		19.9	120	ug/Kg
91-57-6	2-Methylnaphthalene	990		17.8	120	ug/Kg
77-47-4	Hexachlorocyclopentadiene	1900	E	80.5	230	ug/Kg
88-06-2	2,4,6-Trichlorophenol	1000		13.7	120	ug/Kg
95-95-4	2,4,5-Trichlorophenol	990		20.2	120	ug/Kg
92-52-4	1,1-Biphenyl	1000		15.1	120	ug/Kg
91-58-7	2-Chloronaphthalene	1000		15.6	120	ug/Kg
88-74-4	2-Nitroaniline	990		33.4	120	ug/Kg
131-11-3	Dimethylphthalate	1000		18.8	120	ug/Kg

Report of Analysis

Client:	Union Paving & Construction Company	Date Collected:	06/23/25
Project:	190 Park Ave Hanover Twp NJ - PO 2556-001	Date Received:	06/23/25
Client Sample ID:	MH-K/LMSD	SDG No.:	Q2393
Lab Sample ID:	Q2394-01MSD	Matrix:	SOIL
Analytical Method:	8270E	% Solid:	86.3
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
BF142844.D	1	06/24/25 13:00	06/25/25 18:35	PB168601

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units(Dry Weight)
208-96-8	Acenaphthylene	990		20.1	120	ug/Kg
606-20-2	2,6-Dinitrotoluene	1000		23.3	120	ug/Kg
99-09-2	3-Nitroaniline	470		31.9	120	ug/Kg
83-32-9	Acenaphthene	1000		14.8	120	ug/Kg
51-28-5	2,4-Dinitrophenol	1600		160	230	ug/Kg
100-02-7	4-Nitrophenol	1600		74.3	230	ug/Kg
132-64-9	Dibenzofuran	970		15.8	120	ug/Kg
121-14-2	2,4-Dinitrotoluene	960		34.8	120	ug/Kg
84-66-2	Diethylphthalate	1000		19.6	120	ug/Kg
7005-72-3	4-Chlorophenyl-phenylether	970		18.5	120	ug/Kg
86-73-7	Fluorene	940		17.6	120	ug/Kg
100-01-6	4-Nitroaniline	830		44.6	120	ug/Kg
534-52-1	4,6-Dinitro-2-methylphenol	1000		71.5	230	ug/Kg
86-30-6	n-Nitrosodiphenylamine	1100		22.8	120	ug/Kg
101-55-3	4-Bromophenyl-phenylether	1200		19.3	120	ug/Kg
118-74-1	Hexachlorobenzene	1100		17.6	120	ug/Kg
1912-24-9	Atrazine	1100		23.6	120	ug/Kg
87-86-5	Pentachlorophenol	1800		35.6	230	ug/Kg
85-01-8	Phenanthrene	1000		14.5	120	ug/Kg
120-12-7	Anthracene	1000		23.1	120	ug/Kg
86-74-8	Carbazole	920		21.7	120	ug/Kg
84-74-2	Di-n-butylphthalate	1100		33.3	120	ug/Kg
206-44-0	Fluoranthene	890		20.8	120	ug/Kg
129-00-0	Pyrene	650		25.0	120	ug/Kg
85-68-7	Butylbenzylphthalate	980		49.6	120	ug/Kg
91-94-1	3,3-Dichlorobenzidine	390		25.5	230	ug/Kg
56-55-3	Benzo(a)anthracene	1000		16.0	120	ug/Kg
218-01-9	Chrysene	1000		13.8	120	ug/Kg
117-81-7	Bis(2-ethylhexyl)phthalate	1100		41.1	120	ug/Kg
117-84-0	Di-n-octyl phthalate	1100		60.3	230	ug/Kg
205-99-2	Benzo(b)fluoranthene	1100		13.2	120	ug/Kg

Report of Analysis

Client:	Union Paving & Construction Company	Date Collected:	06/23/25
Project:	190 Park Ave Hanover Twp NJ - PO 2556-001	Date Received:	06/23/25
Client Sample ID:	MH-K/LMSD	SDG No.:	Q2393
Lab Sample ID:	Q2394-01MSD	Matrix:	SOIL
Analytical Method:	8270E	% Solid:	86.3
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
BF142844.D	1	06/24/25 13:00	06/25/25 18:35	PB168601

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units(Dry Weight)
207-08-9	Benzo(k)fluoranthene	1100		15.6	120	ug/Kg
50-32-8	Benzo(a)pyrene	1000		20.5	120	ug/Kg
193-39-5	Indeno(1,2,3-cd)pyrene	580		20.2	120	ug/Kg
53-70-3	Dibenzo(a,h)anthracene	580		19.0	120	ug/Kg
191-24-2	Benzo(g,h,i)perylene	500		17.8	120	ug/Kg
95-94-3	1,2,4,5-Tetrachlorobenzene	1000		17.8	120	ug/Kg
123-91-1	1,4-Dioxane	860		31.4	120	ug/Kg
58-90-2	2,3,4,6-Tetrachlorophenol	900		19.0	120	ug/Kg
SURROGATES						
367-12-4	2-Fluorophenol	97.9		18 - 112	65%	SPK: 150
13127-88-3	Phenol-d6	101		15 - 107	67%	SPK: 150
4165-60-0	Nitrobenzene-d5	63.6		18 - 107	64%	SPK: 100
321-60-8	2-Fluorobiphenyl	63.1		20 - 109	63%	SPK: 100
118-79-6	2,4,6-Tribromophenol	91.8		10 - 116	61%	SPK: 150
1718-51-0	Terphenyl-d14	39.9		10 - 105	40%	SPK: 100
INTERNAL STANDARDS						
3855-82-1	1,4-Dichlorobenzene-d4	86800	6.875			
1146-65-2	Naphthalene-d8	327000	8.163			
15067-26-2	Acenaphthene-d10	162000	9.922			
1517-22-2	Phenanthrene-d10	217000	11.41			
1719-03-5	Chrysene-d12	166000	14.057			
1520-96-3	Perylene-d12	195000	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\BF062525\
 Data File : BF142844.D
 Acq On : 25 Jun 2025 18:35
 Operator : RC/JU
 Sample : Q2394-01MSD
 Misc :
 ALS Vial : 12 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 MH-K/LMSD

Quant Time: Jun 26 01:18:35 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	86832	20.000	ng	0.00
21) Naphthalene-d8	8.163	136	327352	20.000	ng	0.00
39) Acenaphthene-d10	9.922	164	161732	20.000	ng	0.00
64) Phenanthrene-d10	11.410	188	216826	20.000	ng	0.00
76) Chrysene-d12	14.057	240	166084	20.000	ng	0.00
86) Perylene-d12	15.545	264	195276	20.000	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.504	112	510437	97.872	ng	0.01
7) Phenol-d6	6.510	99	618603	100.535	ng	0.00
23) Nitrobenzene-d5	7.439	82	379709	63.624	ng	0.00
42) 2,4,6-Tribromophenol	10.710	330	152841	91.833	ng	0.00
45) 2-Fluorobiphenyl	9.239	172	776863	63.101	ng	0.00
79) Terphenyl-d14	12.992	244	479096	39.857	ng	0.00
Target Compounds						
						Qvalue
2) 1,4-Dioxane	2.710	88	77619	37.209	ng	100
3) Pyridine	3.475	79	209759	40.110	ng	100
4) n-Nitrosodimethylamine	3.428	42	113036	41.799	ng	99
6) Aniline	6.540	93	214782	26.234	ng	# 83
8) 2-Chlorophenol	6.663	128	240076	42.673	ng	99
9) Benzaldehyde	6.428	77	142335	38.990	ng	100
10) Phenol	6.528	94	280041	40.944	ng	90
11) bis(2-Chloroethyl)ether	6.610	93	211398	43.245	ng	98
12) 1,3-Dichlorobenzene	6.816	146	259981	41.320	ng	99
13) 1,4-Dichlorobenzene	6.892	146	266435	41.971	ng	99
14) 1,2-Dichlorobenzene	7.045	146	254247	42.226	ng	99
15) Benzyl Alcohol	7.022	79	190482	42.821	ng	100
16) 2,2'-oxybis(1-Chloropr...	7.151	45	323932	41.245	ng	95
17) 2-Methylphenol	7.134	107	180490	42.335	ng	98
18) Hexachloroethane	7.387	117	94535	42.576	ng	99
19) n-Nitroso-di-n-propyla...	7.292	70	153811	42.980	ng	98
20) 3+4-Methylphenols	7.287	107	226021	42.519	ng	95
22) Acetophenone	7.287	105	310952	43.076	ng	98
24) Nitrobenzene	7.463	77	230370	42.648	ng	98
25) Isophorone	7.698	82	409972	42.823	ng	100
26) 2-Nitrophenol	7.781	139	133671	45.428	ng	98
27) 2,4-Dimethylphenol	7.816	122	212994	41.789	ng	98
28) bis(2-Chloroethoxy)met...	7.910	93	262521	43.132	ng	99
29) 2,4-Dichlorophenol	8.022	162	198199	42.886	ng	99
30) 1,2,4-Trichlorobenzene	8.104	180	217187	42.738	ng	99
31) Naphthalene	8.187	128	676656	42.229	ng	100
32) Benzoic acid	7.928	122	99567	38.327	ng	96
33) 4-Chloroaniline	8.234	127	76461	11.735	ng	97
34) Hexachlorobutadiene	8.298	225	132910	42.757	ng	99
35) Caprolactam	8.610	113	52363	42.938	ng	96
36) 4-Chloro-3-methylphenol	8.716	107	192750	41.966	ng	98
37) 2-Methylnaphthalene	8.875	142	422995	42.581	ng	98
38) 1-Methylnaphthalene	8.975	142	434533	42.256	ng	100
40) 1,2,4,5-Tetrachloroben...	9.045	216	215130	45.080	ng	99
41) Hexachlorocyclopentadiene	9.028	237	224115	82.757	ng	100
43) 2,4,6-Trichlorophenol	9.157	196	137174	44.112	ng	100

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF062525\
 Data File : BF142844.D
 Acq On : 25 Jun 2025 18:35
 Operator : RC/JU
 Sample : Q2394-01MSD
 Misc :
 ALS Vial : 12 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 MH-K/LMSD

Quant Time: Jun 26 01:18:35 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

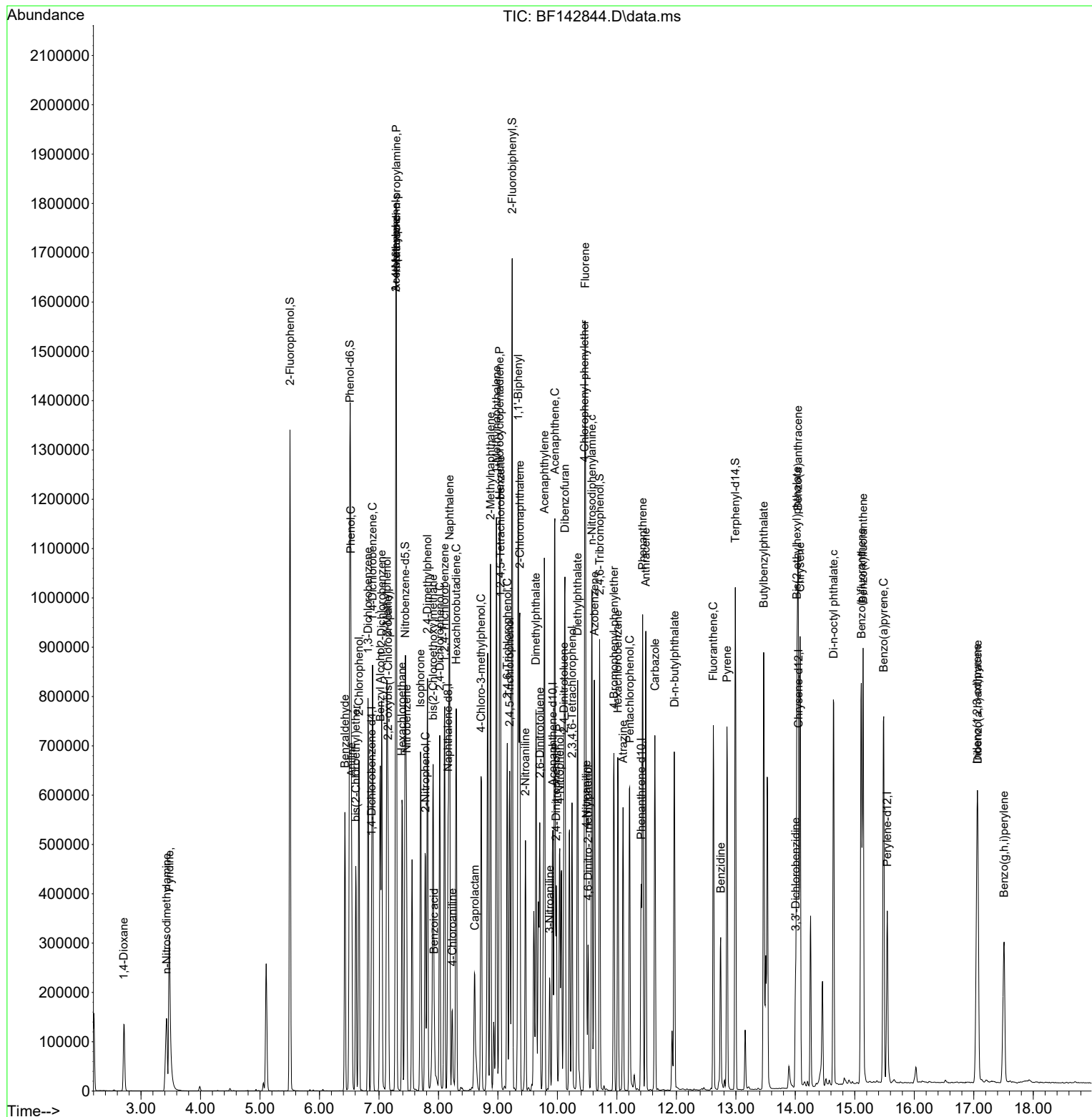
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
44) 2,4,5-Trichlorophenol	9.198	196	140604	42.953	ng	99
46) 1,1'-Biphenyl	9.339	154	569253	44.557	ng	99
47) 2-Chloronaphthalene	9.369	162	416871	43.481	ng	100
48) 2-Nitroaniline	9.463	65	114797	42.709	ng	98
49) Acenaphthylene	9.781	152	677374	42.918	ng	99
50) Dimethylphthalate	9.639	163	466375	44.548	ng	100
51) 2,6-Dinitrotoluene	9.704	165	100547	43.733	ng	98
52) Acenaphthene	9.957	154	433591	45.027	ng	99
53) 3-Nitroaniline	9.869	138	51321	20.274	ng	98
54) 2,4-Dinitrophenol	9.981	184	81917	71.158	ng	99
55) Dibenzofuran	10.128	168	578999	41.931	ng	100
56) 4-Nitrophenol	10.039	139	118397	68.321	ng	98
57) 2,4-Dinitrotoluene	10.110	165	127282	41.679	ng	99
58) Fluorene	10.469	166	438096	40.624	ng	100
59) 2,3,4,6-Tetrachlorophenol	10.245	232	103184	39.105	ng	97
60) Diethylphthalate	10.339	149	442512	43.110	ng	100
61) 4-Chlorophenyl-phenyle...	10.457	204	216441	42.059	ng	98
62) 4-Nitroaniline	10.486	138	83121	35.904	ng	97
63) Azobenzene	10.622	77	409836	44.673	ng	96
65) 4,6-Dinitro-2-methylph...	10.516	198	58514	44.616	ng	96
66) n-Nitrosodiphenylamine	10.580	169	366172	48.728	ng	98
67) 4-Bromophenyl-phenylether	10.951	248	123766	50.155	ng	97
68) Hexachlorobenzene	11.016	284	129801	47.338	ng	97
69) Atrazine	11.104	200	95172	49.045	ng	99
70) Pentachlorophenol	11.216	266	107461	78.649	ng	98
71) Phenanthrene	11.433	178	515807	43.915	ng	99
72) Anthracene	11.486	178	524846	43.570	ng	99
73) Carbazole	11.639	167	413578	39.785	ng	100
74) Di-n-butylphthalate	11.969	149	517455	47.783	ng	100
75) Fluoranthene	12.622	202	428340	38.426	ng	100
77) Benzidine	12.745	184	172817	27.695	ng	99
78) Pyrene	12.851	202	438025	28.137	ng	100
80) Butylbenzylphthalate	13.469	149	191237	42.349	ng	98
81) Benzo(a)anthracene	14.045	228	486056	43.382	ng	99
82) 3,3'-Dichlorobenzidine	14.004	252	60826	16.737	ng	99
83) Chrysene	14.080	228	448397	44.850	ng	99
84) Bis(2-ethylhexyl)phtha...	14.027	149	299554	46.105	ng	100
85) Di-n-octyl phthalate	14.645	149	570522	46.568	ng	99
87) Indeno(1,2,3-cd)pyrene	17.057	276	369992	24.875	ng	99
88) Benzo(b)fluoranthene	15.110	252	531909	47.074	ng	100
89) Benzo(k)fluoranthene	15.139	252	506561	47.917	ng	100
90) Benzo(a)pyrene	15.486	252	489635	44.854	ng	99
91) Dibenzo(a,h)anthracene	17.068	278	301769	24.970	ng	98
92) Benzo(g,h,i)perylene	17.509	276	259891	21.566	ng	99

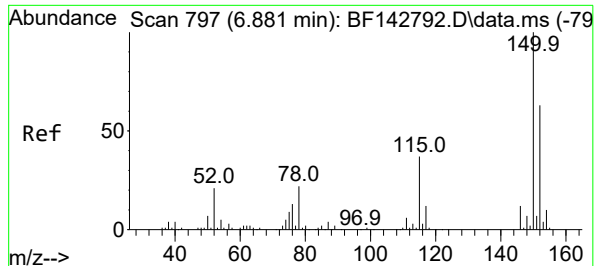
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Data File : BF142844.D  
Acq On    : 25 Jun 2025  18:35  
Operator  : RC/JU  
Sample    : Q2394-01MSD  
Misc      :  
ALS Vial  : 12    Sample Multiplier: 1
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Instrument :
BNA_F
ClientSampleId :
MH-K/LMSD

Quant Time: Jun 26 01:18:35 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: BF142844.D

Acq: 25 Jun 2025 18:35

Instrument :

BNA_F

ClientSampleId :

MH-K/LMSD

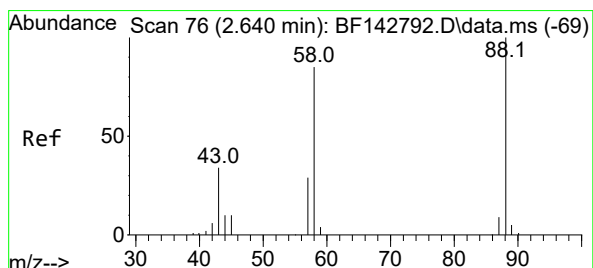
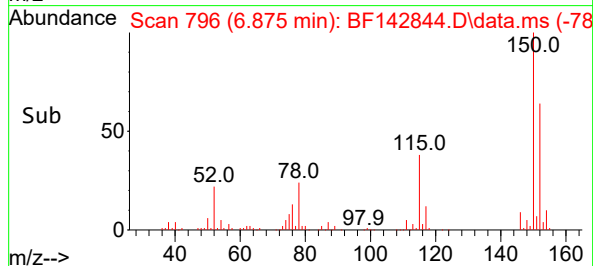
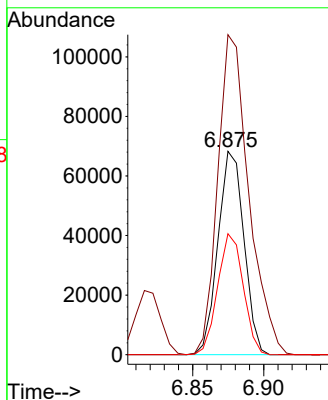
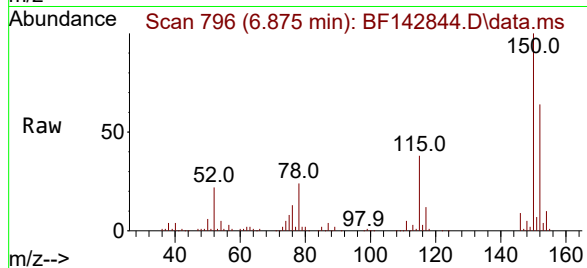
Tgt Ion:152 Resp: 86832

Ion Ratio Lower Upper

152 100

150 157.4 127.2 190.8

115 59.5 46.6 69.8



#2

1,4-Dioxane

Concen: 37.209 ng

RT: 2.710 min Scan# 88

Delta R.T. 0.071 min

Lab File: BF142844.D

Acq: 25 Jun 2025 18:35

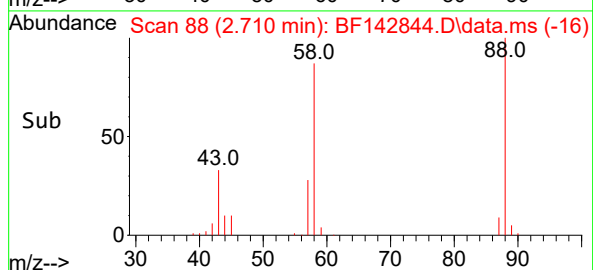
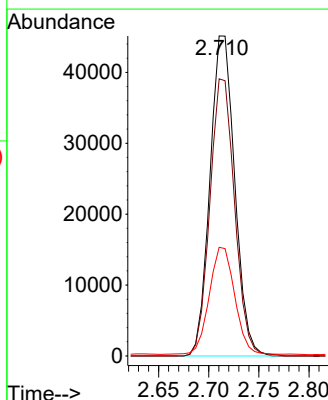
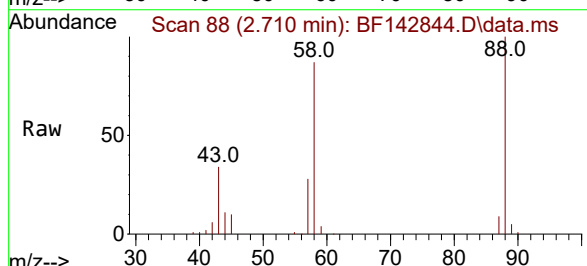
Tgt Ion: 88 Resp: 77619

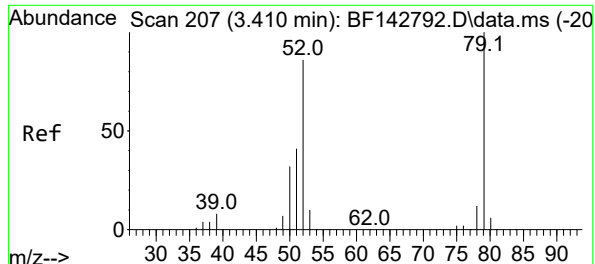
Ion Ratio Lower Upper

88 100

58 86.5 69.1 103.7

43 34.9 27.4 41.2

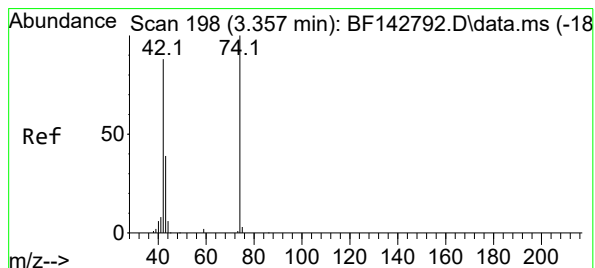
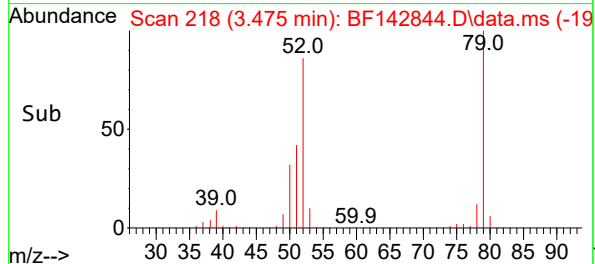
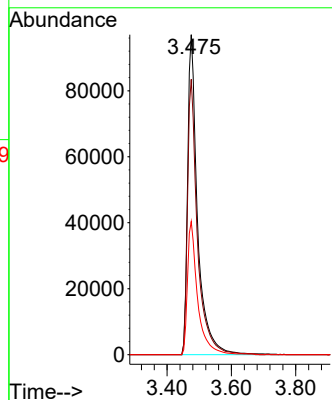
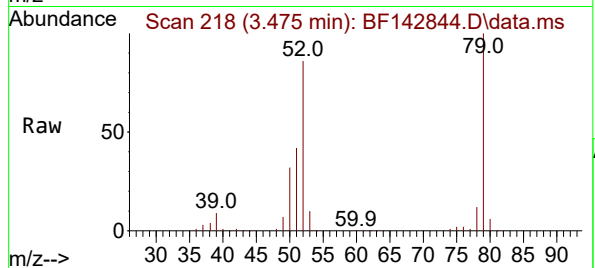




#3
Pyridine
Concen: 40.110 ng
RT: 3.475 min Scan# 210
Delta R.T. 0.065 min
Lab File: BF142844.D
Acq: 25 Jun 2025 18:35

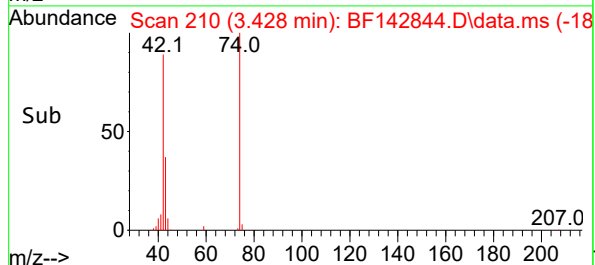
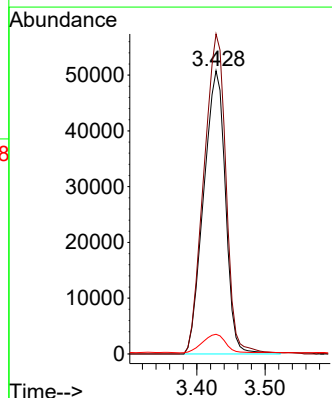
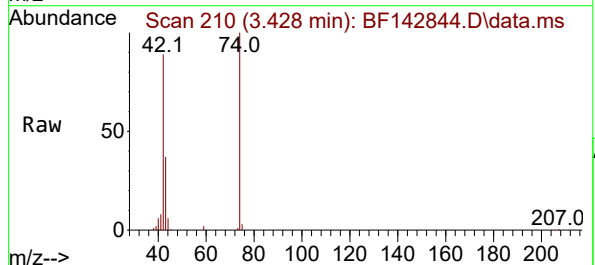
Instrument :
BNA_F
ClientSampleId :
MH-K/LMSD

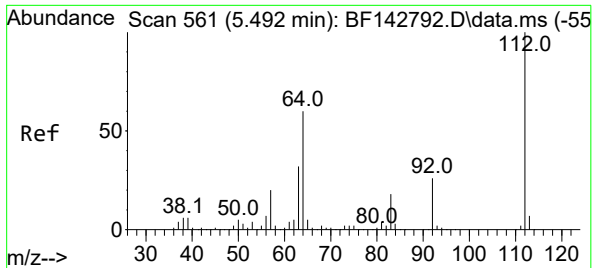
Tgt Ion: 79 Resp: 209759
Ion Ratio Lower Upper
79 100
52 86.1 69.2 103.8
51 41.6 33.2 49.8



#4
n-Nitrosodimethylamine
Concen: 41.799 ng
RT: 3.428 min Scan# 210
Delta R.T. 0.071 min
Lab File: BF142844.D
Acq: 25 Jun 2025 18:35

Tgt Ion: 42 Resp: 113036
Ion Ratio Lower Upper
42 100
74 113.0 90.9 136.3
44 6.9 5.8 8.6

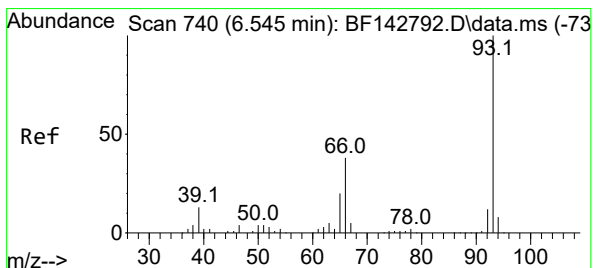
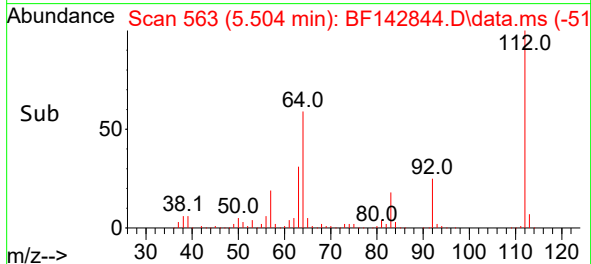
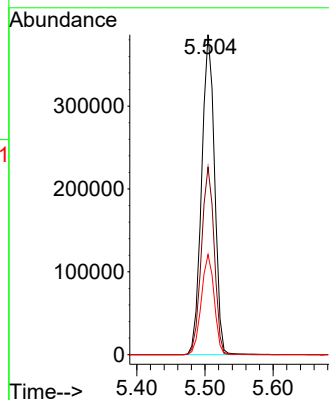
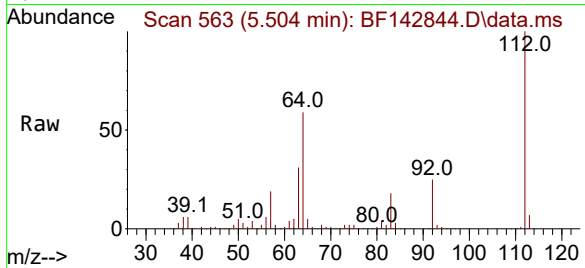




#5
2-Fluorophenol
Concen: 97.872 ng
RT: 5.504 min Scan# 501
Delta R.T. 0.012 min
Lab File: BF142844.D
Acq: 25 Jun 2025 18:35

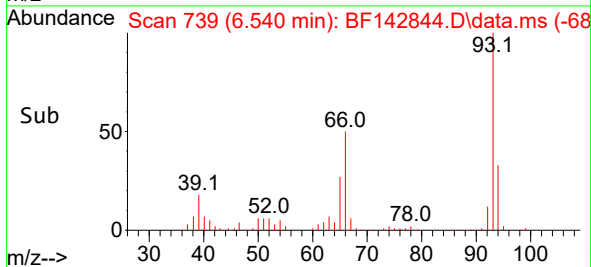
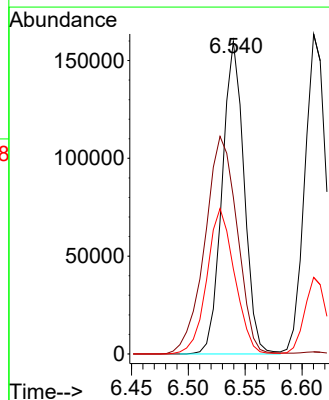
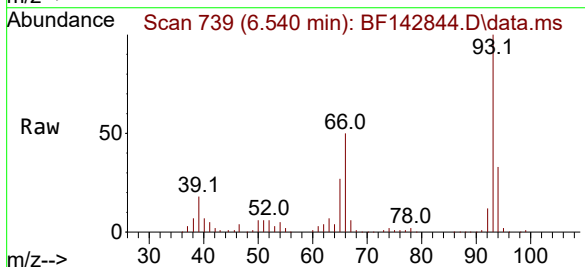
Instrument :
BNA_F
ClientSampleId :
MH-K/LMSD

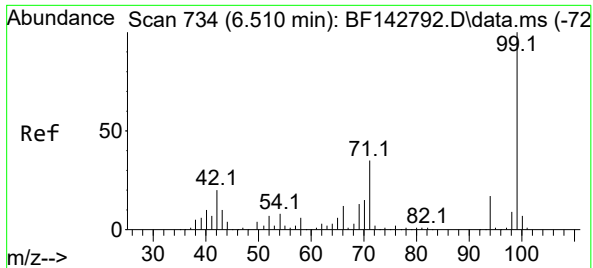
Tgt Ion:112 Resp: 510437
Ion Ratio Lower Upper
112 100
64 58.6 48.2 72.2
63 31.3 25.7 38.5



#6
Aniline
Concen: 26.234 ng
RT: 6.540 min Scan# 739
Delta R.T. -0.006 min
Lab File: BF142844.D
Acq: 25 Jun 2025 18:35

Tgt Ion: 93 Resp: 214782
Ion Ratio Lower Upper
93 100
66 50.3 31.8 47.6#
65 27.3 16.2 24.2#

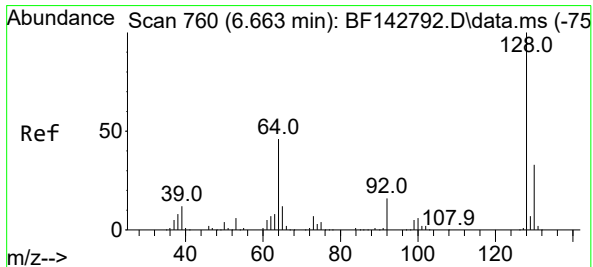
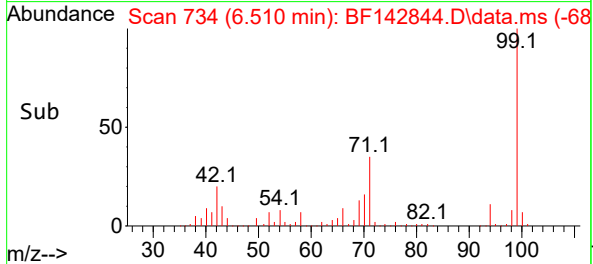
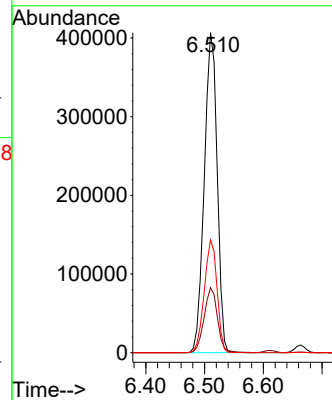
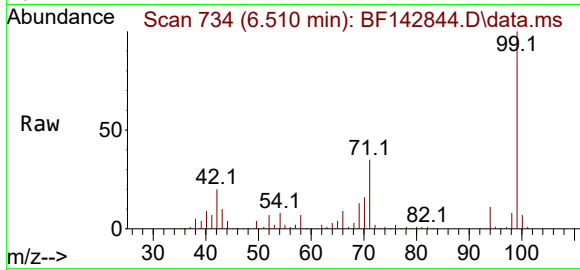




#7
Phenol-d6
Concen: 100.535 ng
RT: 6.510 min Scan# 710
Delta R.T. 0.000 min
Lab File: BF142844.D
Acq: 25 Jun 2025 18:35

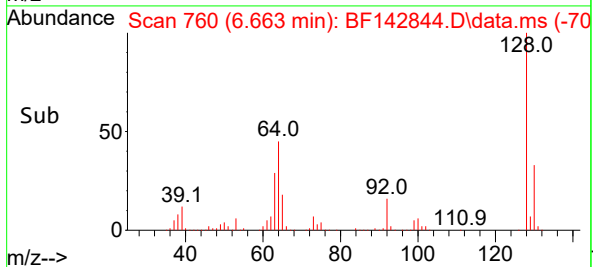
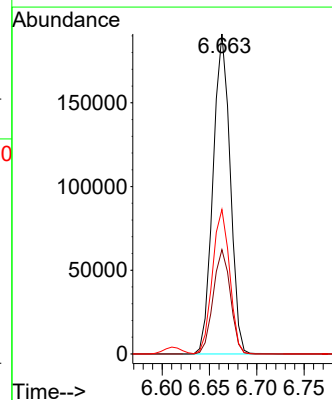
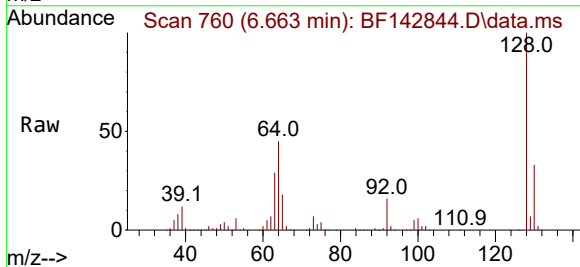
Instrument :
BNA_F
ClientSampleId :
MH-K/LMSD

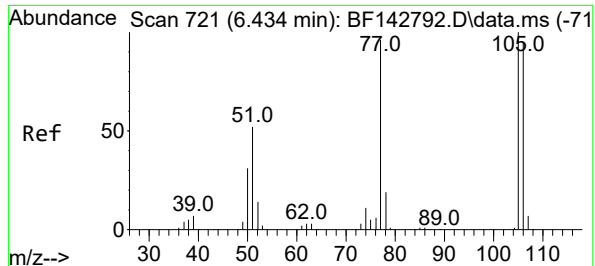
Tgt Ion: 99 Resp: 618603
Ion Ratio Lower Upper
99 100
42 20.3 15.9 23.9
71 35.2 27.8 41.8



#8
2-Chlorophenol
Concen: 42.673 ng
RT: 6.663 min Scan# 760
Delta R.T. 0.000 min
Lab File: BF142844.D
Acq: 25 Jun 2025 18:35

Tgt Ion: 128 Resp: 240076
Ion Ratio Lower Upper
128 100
130 32.6 12.7 52.7
64 45.1 26.5 66.5





#9

Benzaldehyde

Concen: 38.990 ng

RT: 6.428 min Scan# 71

Delta R.T. -0.006 min

Lab File: BF142844.D

Acq: 25 Jun 2025 18:35

Instrument :

BNA_F

ClientSampleId :

MH-K/LMSD

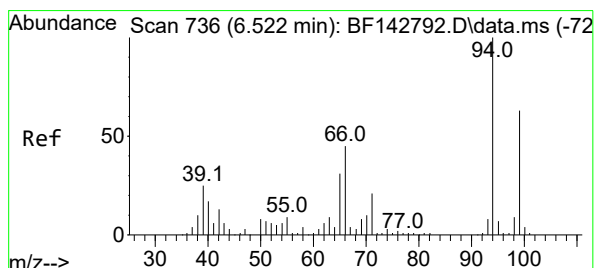
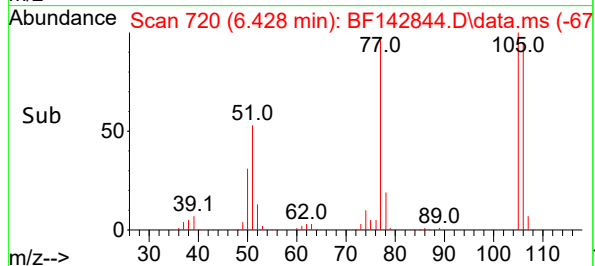
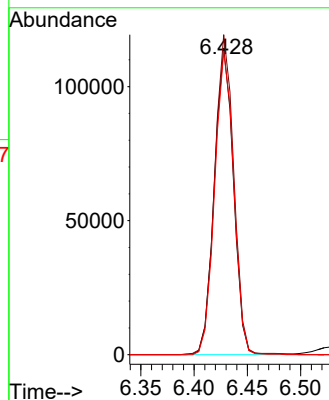
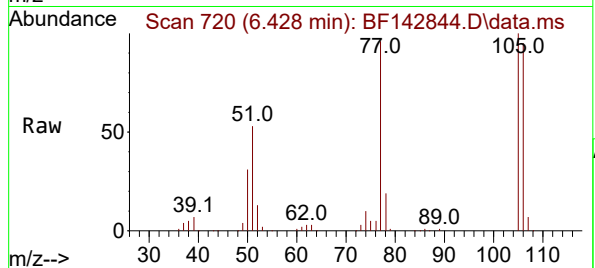
Tgt Ion: 77 Resp: 142335

Ion Ratio Lower Upper

77 100

105 104.3 83.8 123.8

106 98.9 78.7 118.7



#10

Phenol

Concen: 40.944 ng

RT: 6.528 min Scan# 737

Delta R.T. 0.006 min

Lab File: BF142844.D

Acq: 25 Jun 2025 18:35

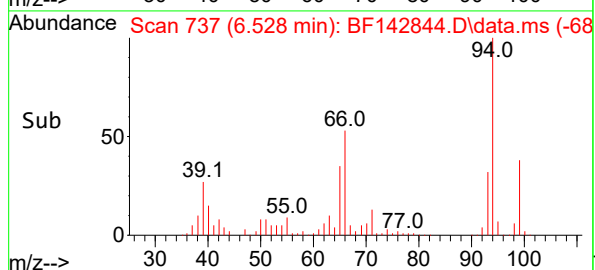
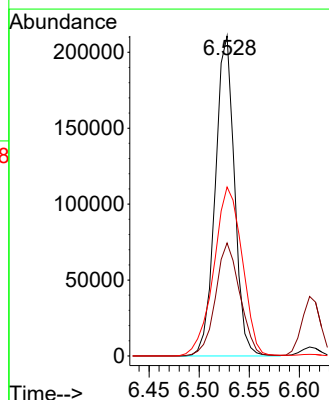
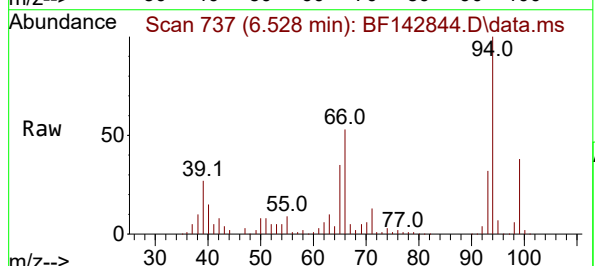
Tgt Ion: 94 Resp: 280041

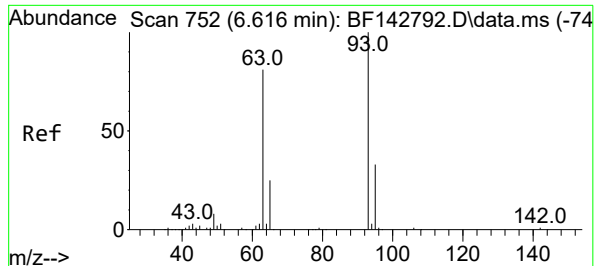
Ion Ratio Lower Upper

94 100

65 35.3 11.3 51.3

66 52.8 24.9 64.9

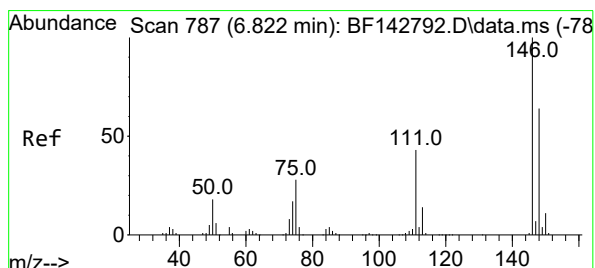
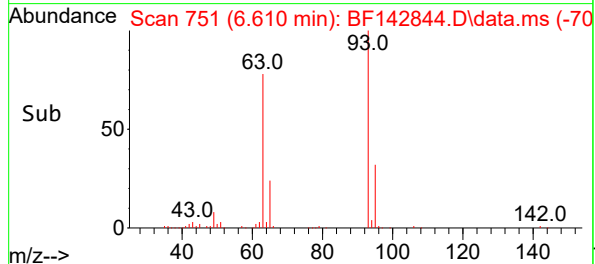
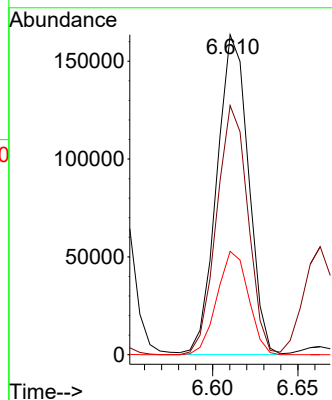
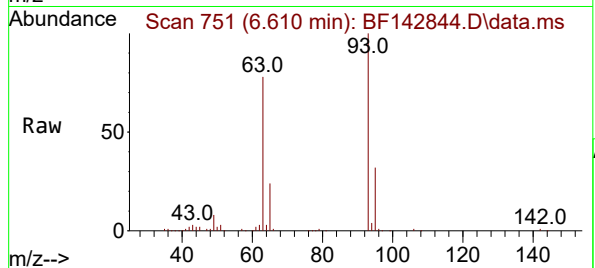




#11
bis(2-Chloroethyl)ether
Concen: 43.245 ng
RT: 6.610 min Scan# 751
Delta R.T. -0.006 min
Lab File: BF142844.D
Acq: 25 Jun 2025 18:35

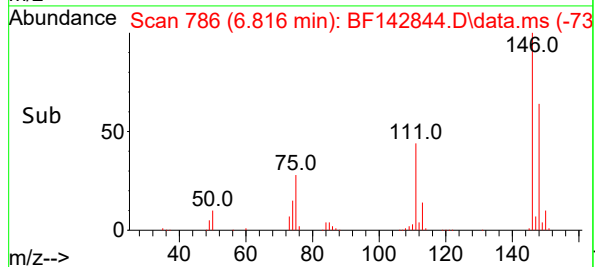
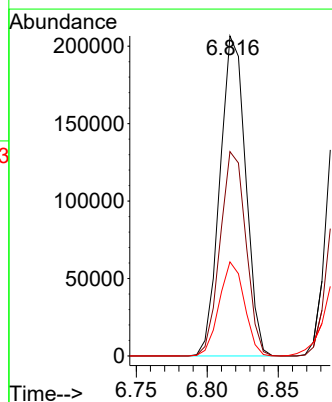
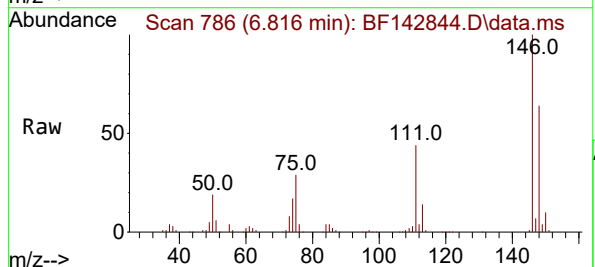
Instrument :
BNA_F
ClientSampleId :
MH-K/LMSD

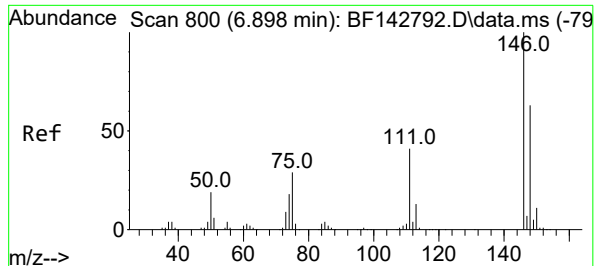
Tgt Ion: 93 Resp: 211398
Ion Ratio Lower Upper
93 100
63 77.8 60.3 100.3
95 32.3 12.5 52.5



#12
1,3-Dichlorobenzene
Concen: 41.320 ng
RT: 6.816 min Scan# 786
Delta R.T. -0.006 min
Lab File: BF142844.D
Acq: 25 Jun 2025 18:35

Tgt Ion: 146 Resp: 259981
Ion Ratio Lower Upper
146 100
148 63.8 51.1 76.7
75 29.4 22.7 34.1





#13

1,4-Dichlorobenzene

Concen: 41.971 ng

RT: 6.892 min Scan# 79

Delta R.T. -0.006 min

Lab File: BF142844.D

Acq: 25 Jun 2025 18:35

Instrument :

BNA_F

ClientSampleId :

MH-K/LMSD

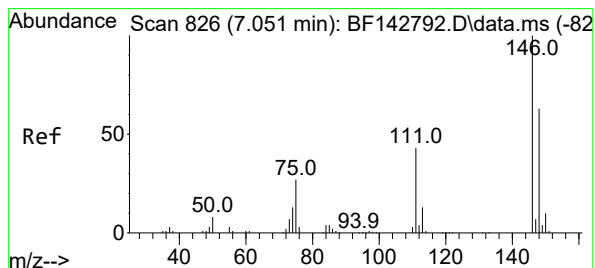
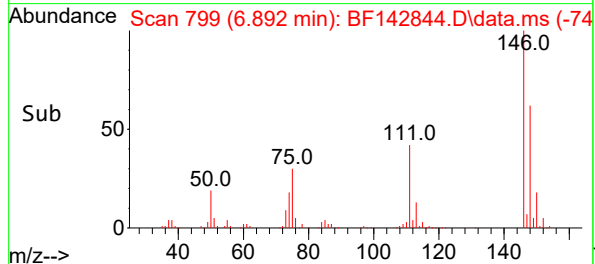
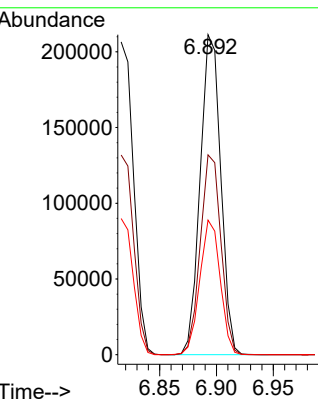
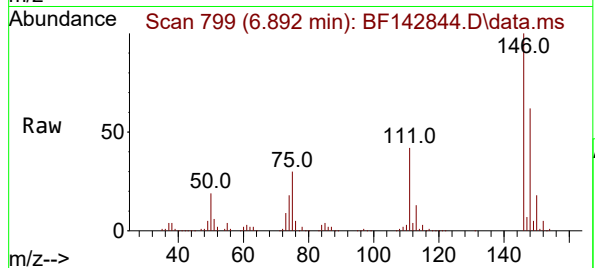
Tgt Ion:146 Resp: 266435

Ion Ratio Lower Upper

146 100

148 62.4 50.2 75.2

111 42.1 33.2 49.8



#14

1,2-Dichlorobenzene

Concen: 42.226 ng

RT: 7.045 min Scan# 825

Delta R.T. -0.006 min

Lab File: BF142844.D

Acq: 25 Jun 2025 18:35

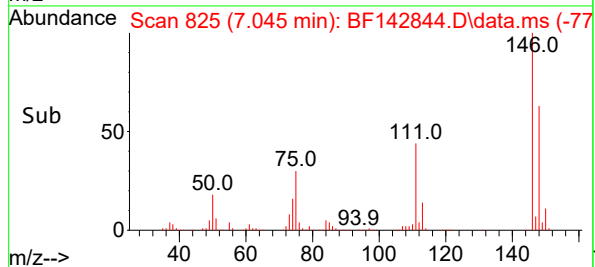
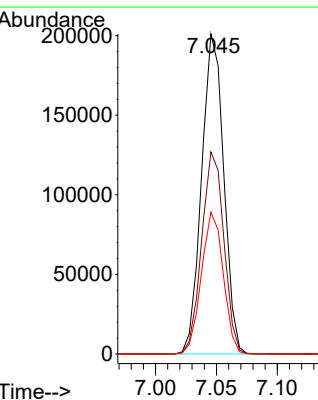
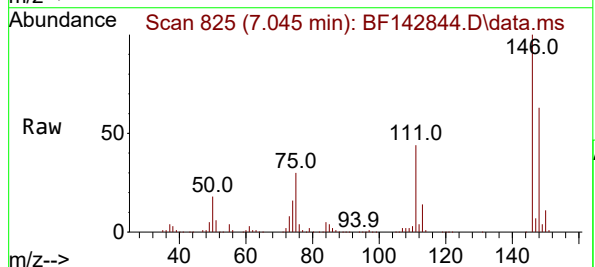
Tgt Ion:146 Resp: 254247

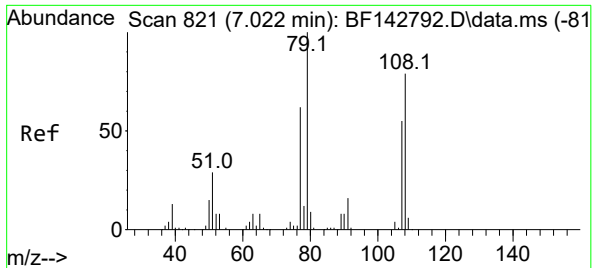
Ion Ratio Lower Upper

146 100

148 63.2 50.4 75.6

111 44.3 34.1 51.1





#15

Benzyl Alcohol

Concen: 42.821 ng

RT: 7.022 min Scan# 81

Delta R.T. 0.000 min

Lab File: BF142844.D

Acq: 25 Jun 2025 18:35

Instrument :

BNA_F

ClientSampleId :

MH-K/LMSD

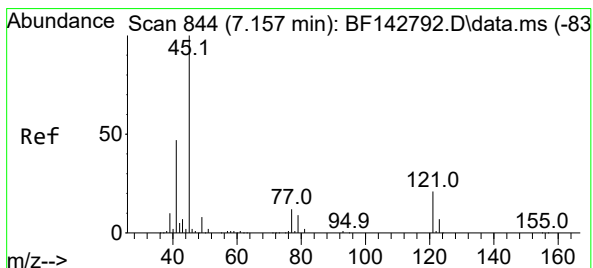
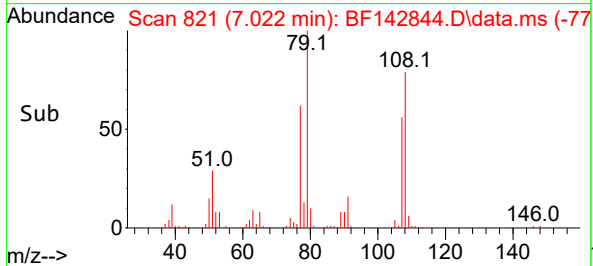
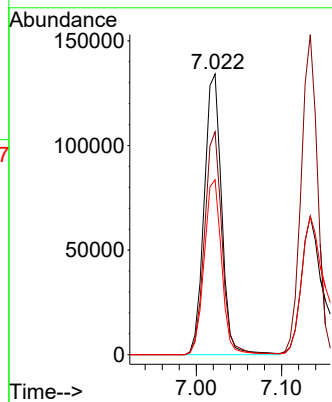
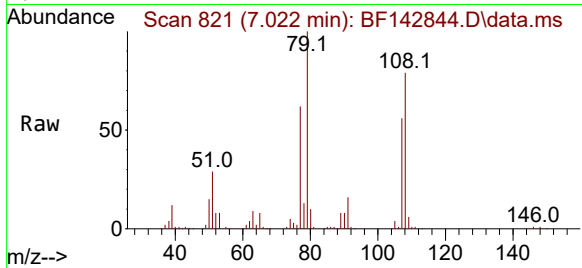
Tgt Ion: 79 Resp: 190482

Ion Ratio Lower Upper

79 100

108 79.4 63.4 95.0

77 62.3 49.5 74.3



#16

2,2'-oxybis(1-Chloropropane)

Concen: 41.245 ng

RT: 7.151 min Scan# 843

Delta R.T. -0.006 min

Lab File: BF142844.D

Acq: 25 Jun 2025 18:35

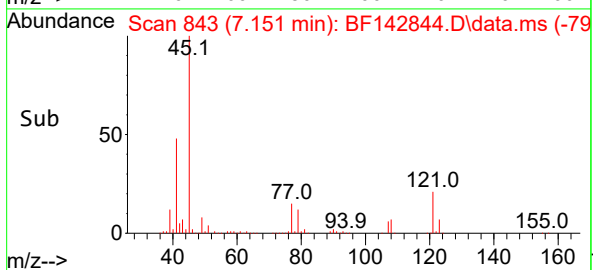
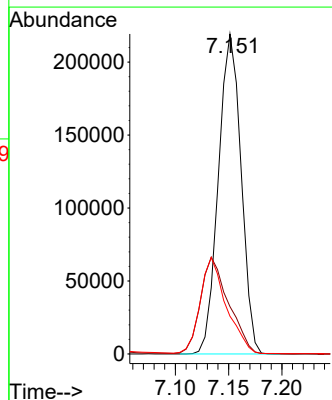
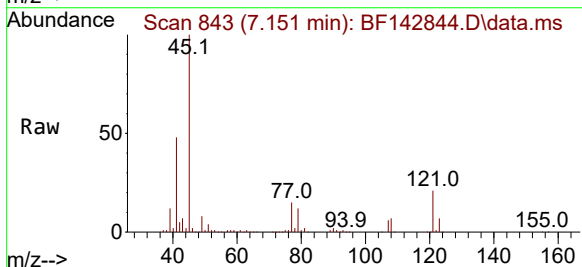
Tgt Ion: 45 Resp: 323932

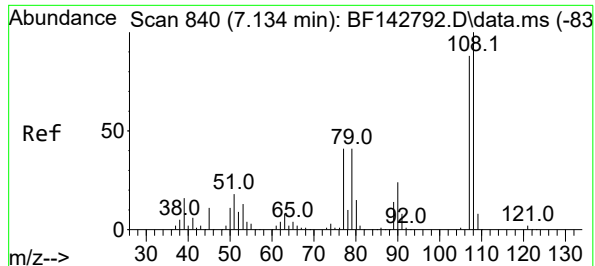
Ion Ratio Lower Upper

45 100

77 14.8 0.0 32.8

79 11.8 0.0 29.8

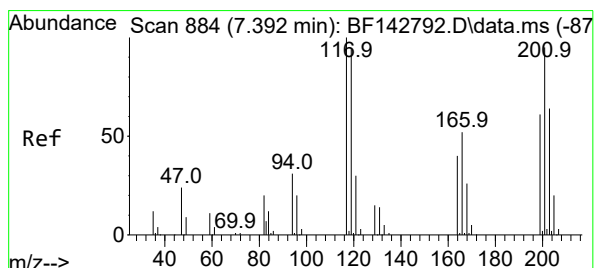
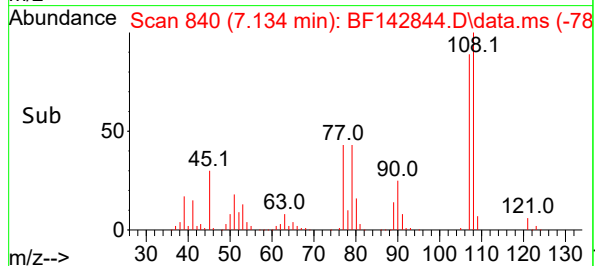
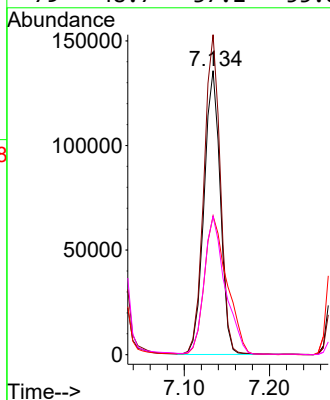
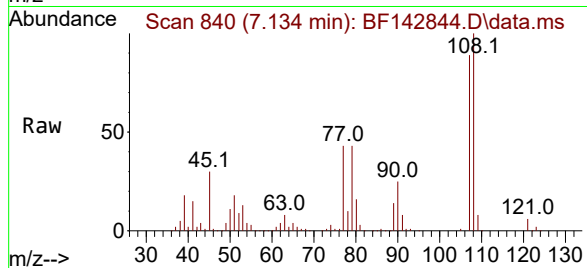




#17
2-Methylphenol
Concen: 42.335 ng
RT: 7.134 min Scan# 840
Delta R.T. 0.000 min
Lab File: BF142844.D
Acq: 25 Jun 2025 18:35

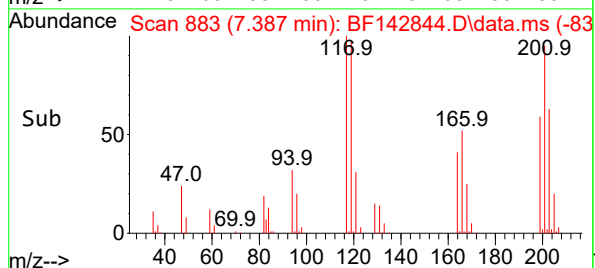
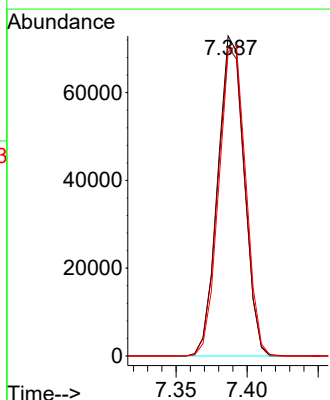
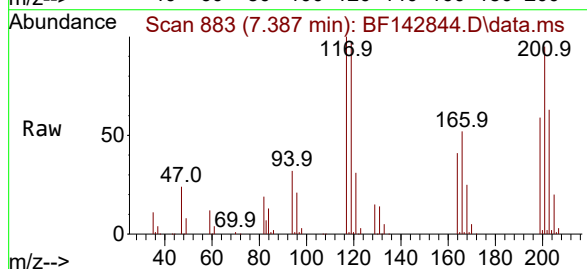
Instrument :
BNA_F
ClientSampleId :
MH-K/LMSD

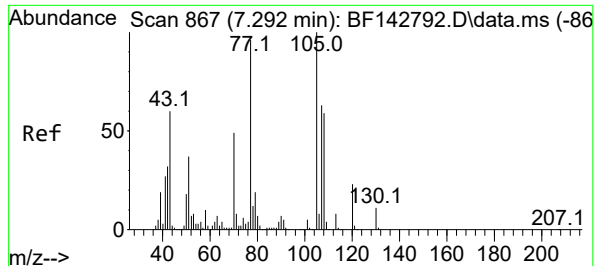
Tgt Ion:107 Resp: 180490
Ion Ratio Lower Upper
107 100
108 112.7 90.9 136.3
77 48.9 37.3 55.9
79 48.7 37.2 55.8



#18
Hexachloroethane
Concen: 42.576 ng
RT: 7.387 min Scan# 883
Delta R.T. -0.006 min
Lab File: BF142844.D
Acq: 25 Jun 2025 18:35

Tgt Ion:117 Resp: 94535
Ion Ratio Lower Upper
117 100
119 96.8 75.4 113.0
201 95.0 75.9 113.9





#19

n-Nitroso-di-n-propylamine

Concen: 42.980 ng

RT: 7.292 min Scan# 867

Delta R.T. 0.000 min

Lab File: BF142844.D

Acq: 25 Jun 2025 18:35

Instrument :

BNA_F

ClientSampleId :

MH-K/LMSD

Tgt Ion: 70 Resp: 153811

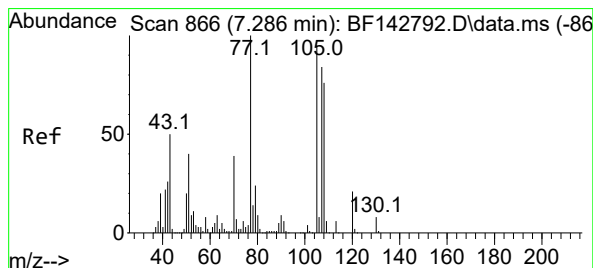
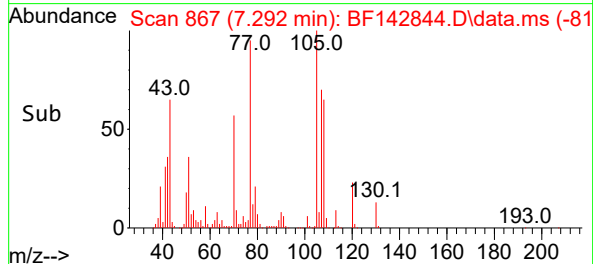
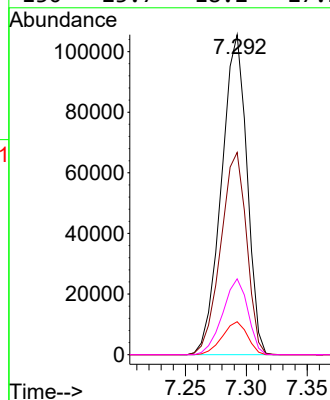
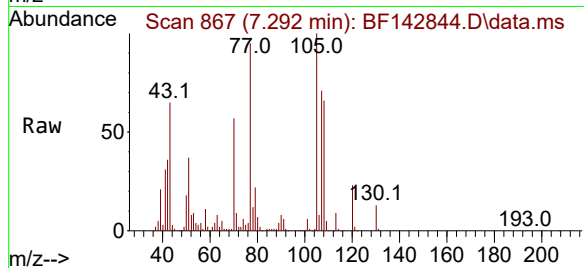
Ion Ratio Lower Upper

70 100

42 63.2 52.1 78.1

101 10.3 8.2 12.2

130 23.7 18.2 27.2



#20

3+4-Methylphenols

Concen: 42.519 ng

RT: 7.287 min Scan# 866

Delta R.T. 0.000 min

Lab File: BF142844.D

Acq: 25 Jun 2025 18:35

Tgt Ion:107 Resp: 226021

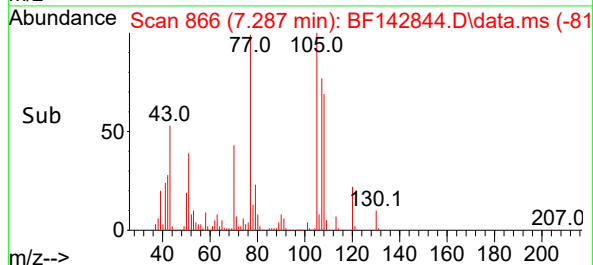
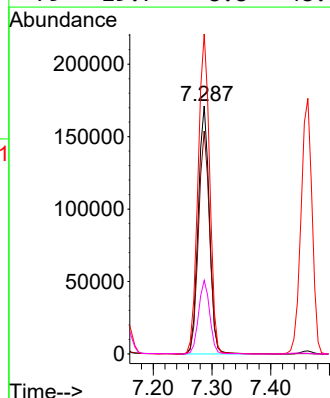
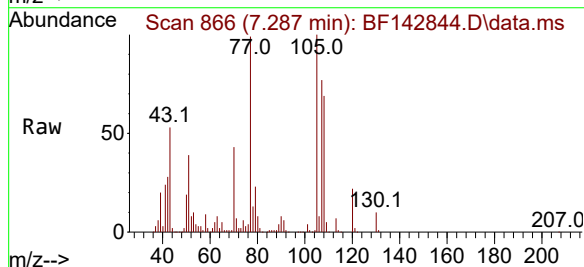
Ion Ratio Lower Upper

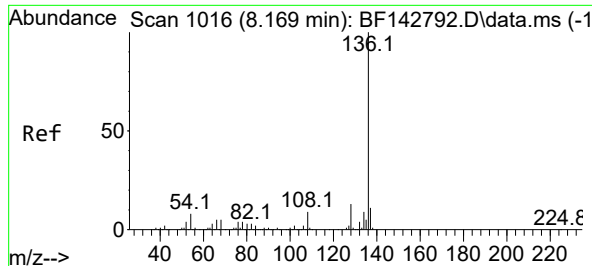
107 100

108 89.8 70.0 110.0

77 129.0 98.5 138.5

79 29.7 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: BF142844.D

Acq: 25 Jun 2025 18:35

Instrument :

BNA_F

ClientSampleId :

MH-K/LMSD

Tgt Ion:136 Resp: 327352

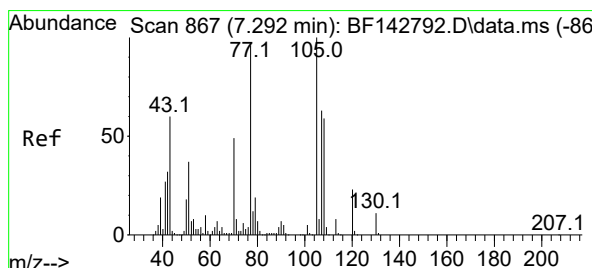
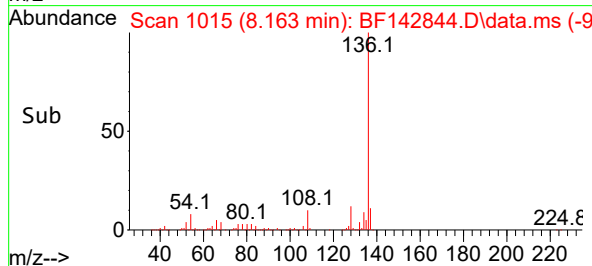
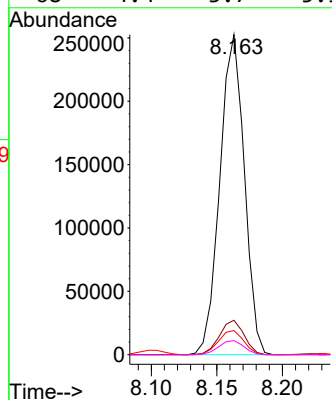
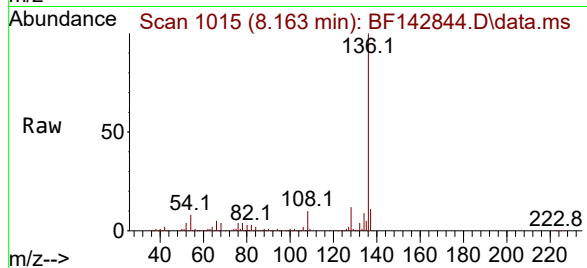
Ion Ratio Lower Upper

136 100

137 10.7 8.4 12.6

54 7.5 6.3 9.5

68 4.4 3.7 5.5



#22

Acetophenone

Concen: 43.076 ng

RT: 7.287 min Scan# 866

Delta R.T. -0.006 min

Lab File: BF142844.D

Acq: 25 Jun 2025 18:35

Tgt Ion:105 Resp: 310952

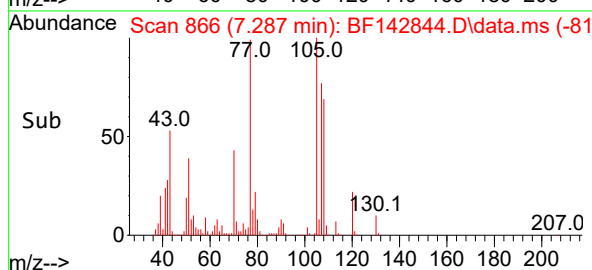
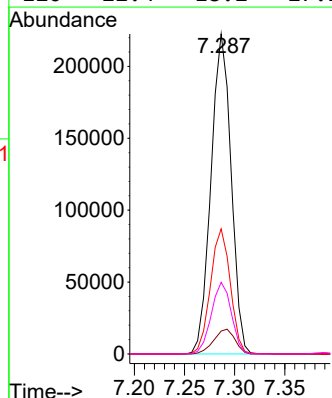
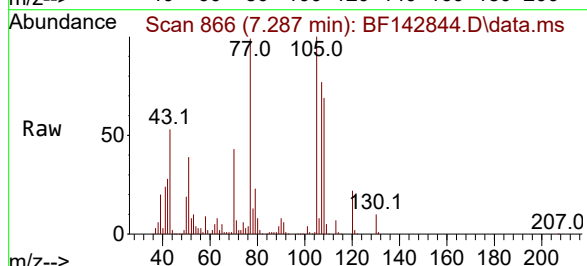
Ion Ratio Lower Upper

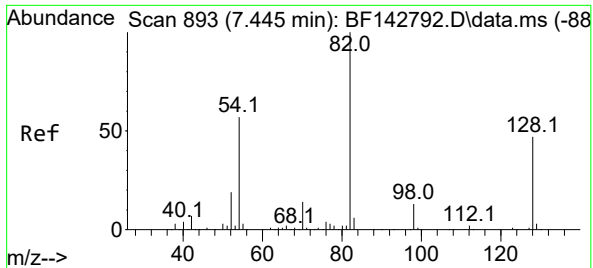
105 100

71 7.2 6.5 9.7

51 39.1 29.8 44.8

120 22.4 18.2 27.2





#23

Nitrobenzene-d5

Concen: 63.624 ng

RT: 7.439 min Scan# 893

Delta R.T. -0.006 min

Lab File: BF142844.D

Acq: 25 Jun 2025 18:35

Instrument :

BNA_F

ClientSampleId :

MH-K/LMSD

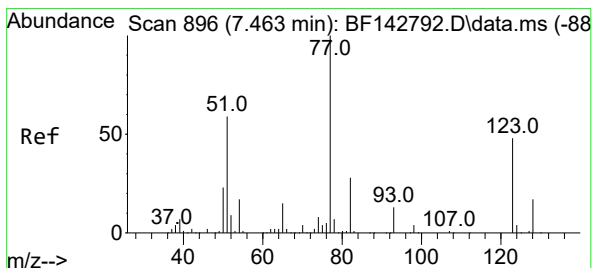
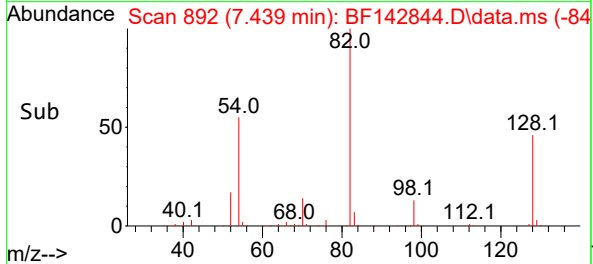
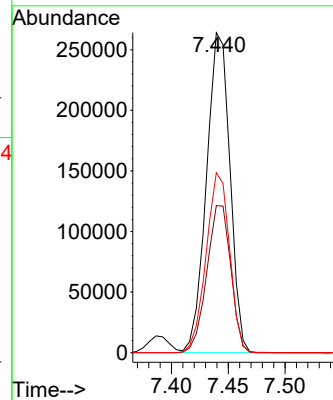
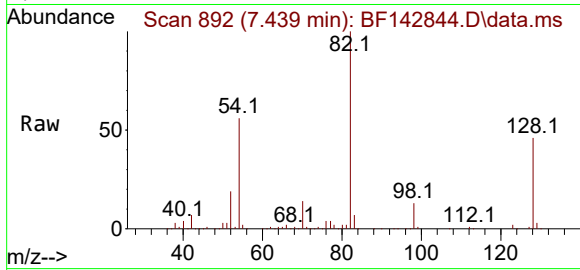
Tgt Ion: 82 Resp: 379709

Ion Ratio Lower Upper

82 100

128 45.9 37.7 56.5

54 56.2 45.7 68.5



#24

Nitrobenzene

Concen: 42.648 ng

RT: 7.463 min Scan# 896

Delta R.T. 0.000 min

Lab File: BF142844.D

Acq: 25 Jun 2025 18:35

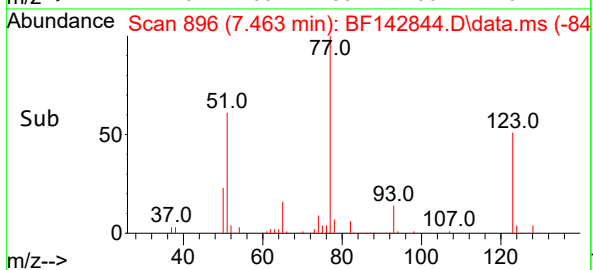
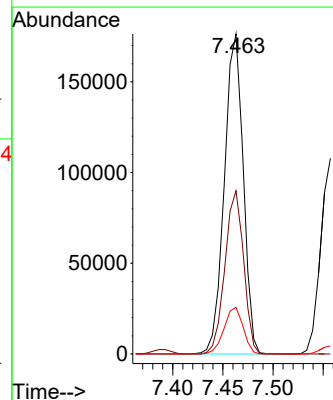
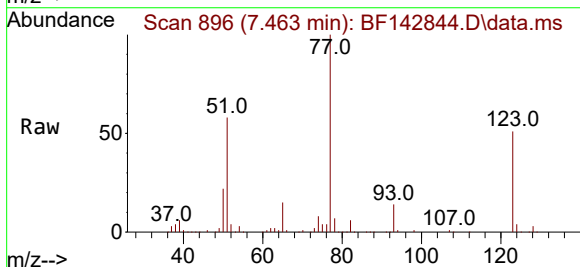
Tgt Ion: 77 Resp: 230370

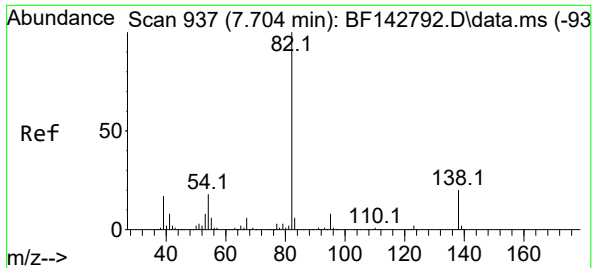
Ion Ratio Lower Upper

77 100

123 51.0 39.2 58.8

65 14.6 11.6 17.4

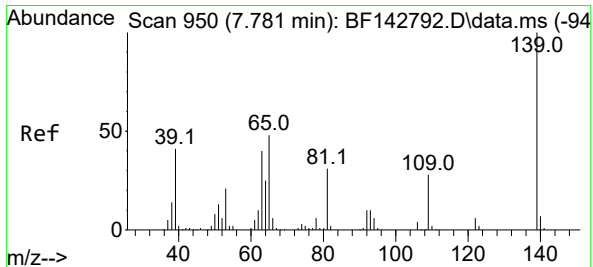
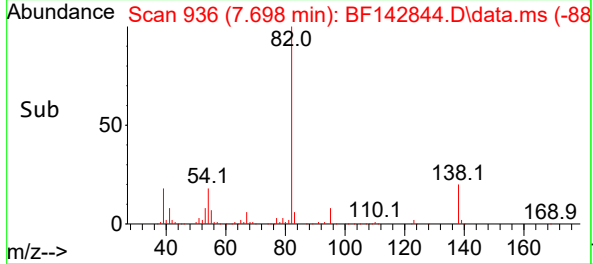
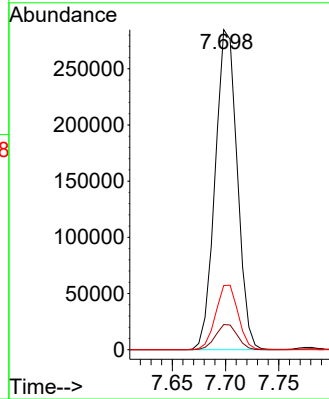
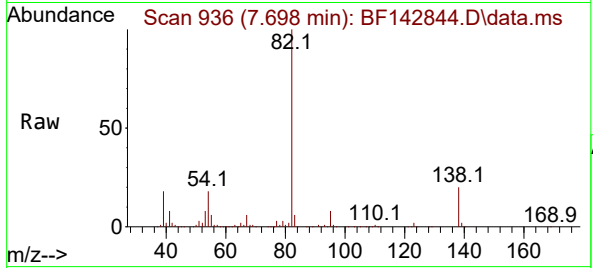




#25
Isophorone
Concen: 42.823 ng
RT: 7.698 min Scan# 91
Delta R.T. -0.006 min
Lab File: BF142844.D
Acq: 25 Jun 2025 18:35

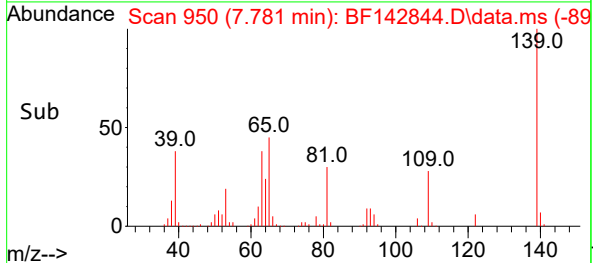
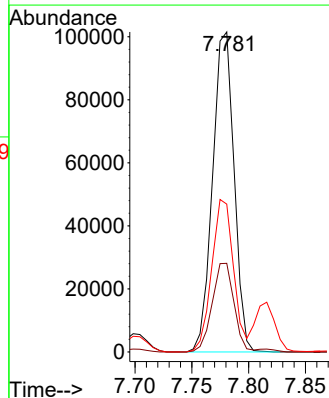
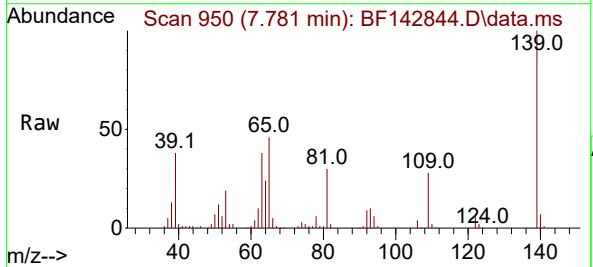
Instrument :
BNA_F
ClientSampleId :
MH-K/LMSD

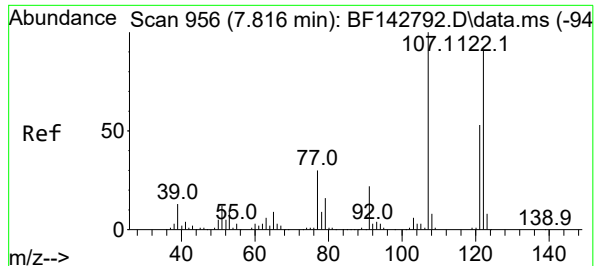
Tgt Ion: 82 Resp: 409972
Ion Ratio Lower Upper
82 100
95 7.8 6.2 9.2
138 20.1 16.2 24.4



#26
2-Nitrophenol
Concen: 45.428 ng
RT: 7.781 min Scan# 950
Delta R.T. 0.000 min
Lab File: BF142844.D
Acq: 25 Jun 2025 18:35

Tgt Ion:139 Resp: 133671
Ion Ratio Lower Upper
139 100
109 27.7 22.7 34.1
65 46.2 38.6 58.0





#27

2,4-Dimethylphenol

Concen: 41.789 ng

RT: 7.816 min Scan# 91

Delta R.T. 0.000 min

Lab File: BF142844.D

Acq: 25 Jun 2025 18:35

Instrument :

BNA_F

ClientSampleId :

MH-K/LMSD

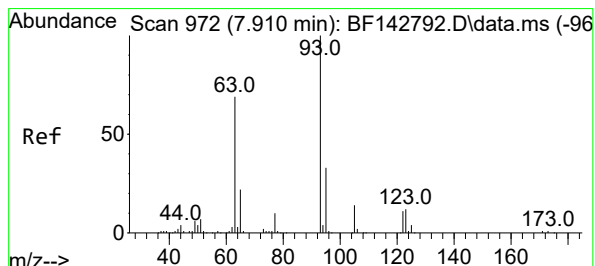
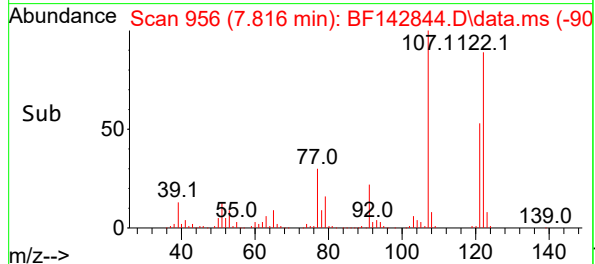
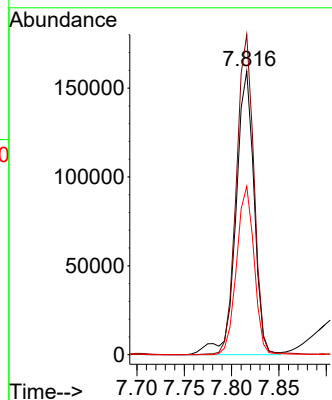
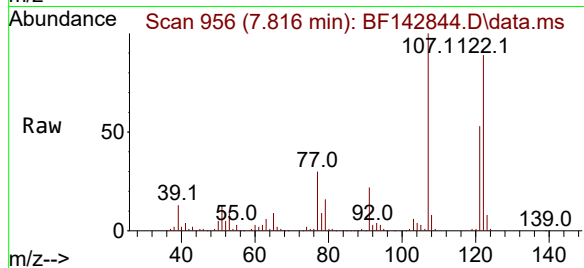
Tgt Ion:122 Resp: 212994

Ion Ratio Lower Upper

122 100

107 112.8 88.0 132.0

121 59.4 46.3 69.5



#28

bis(2-Chloroethoxy)methane

Concen: 43.132 ng

RT: 7.910 min Scan# 972

Delta R.T. 0.000 min

Lab File: BF142844.D

Acq: 25 Jun 2025 18:35

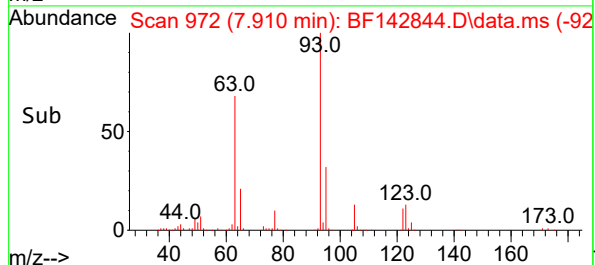
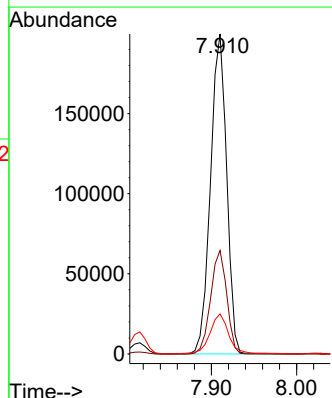
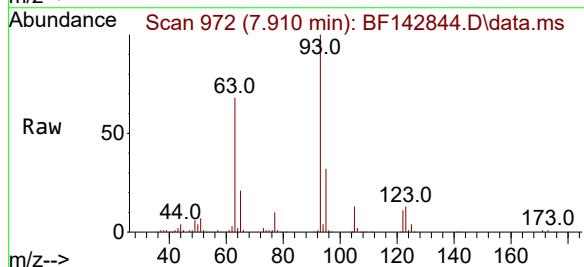
Tgt Ion: 93 Resp: 262521

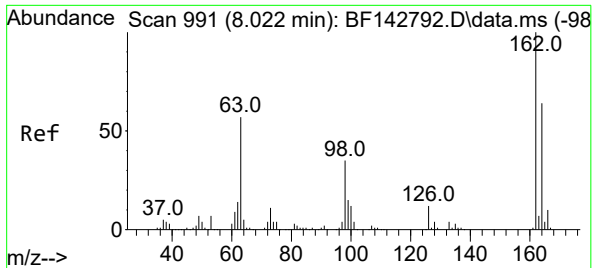
Ion Ratio Lower Upper

93 100

95 32.4 26.2 39.2

123 12.5 9.9 14.9





#29

2,4-Dichlorophenol

Concen: 42.886 ng

RT: 8.022 min Scan# 991

Delta R.T. 0.000 min

Lab File: BF142844.D

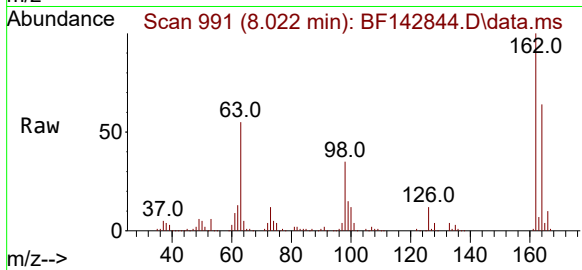
Acq: 25 Jun 2025 18:35

Instrument :

BNA_F

ClientSampleId :

MH-K/LMSD



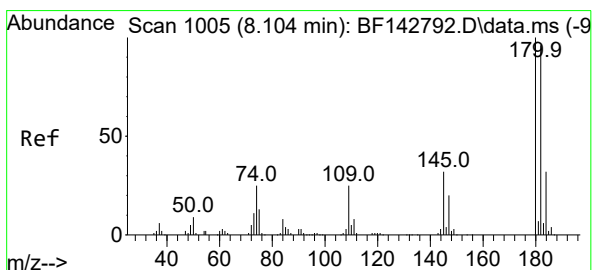
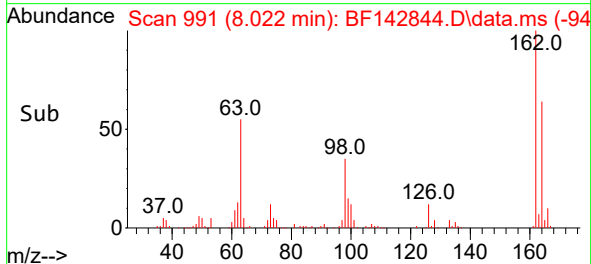
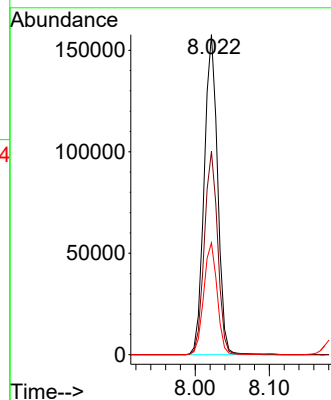
Tgt Ion:162 Resp: 198199

Ion Ratio Lower Upper

162 100

164 63.5 44.0 84.0

98 35.0 15.4 55.4



#30

1,2,4-Trichlorobenzene

Concen: 42.738 ng

RT: 8.104 min Scan# 1005

Delta R.T. 0.000 min

Lab File: BF142844.D

Acq: 25 Jun 2025 18:35

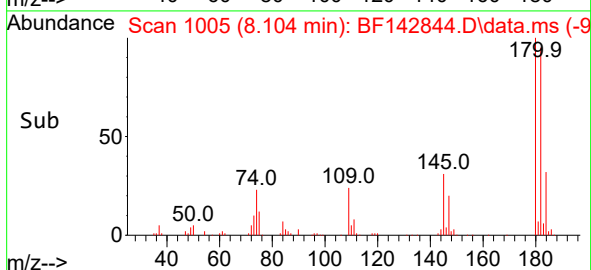
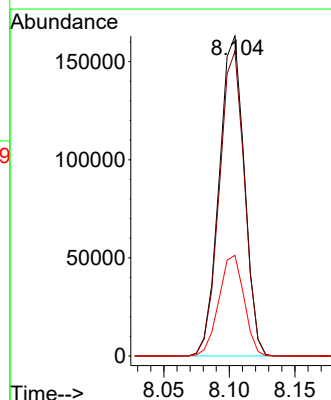
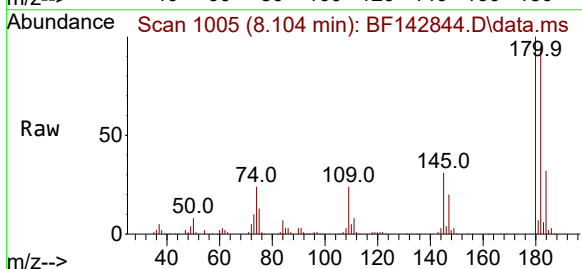
Tgt Ion:180 Resp: 217187

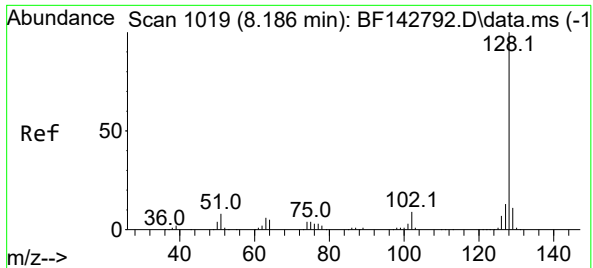
Ion Ratio Lower Upper

180 100

182 95.2 76.4 114.6

145 31.4 25.8 38.8





#31

Naphthalene

Concen: 42.229 ng

RT: 8.187 min Scan# 1019

Delta R.T. 0.000 min

Lab File: BF142844.D

Acq: 25 Jun 2025 18:35

Instrument :

BNA_F

ClientSampleId :

MH-K/LMSD

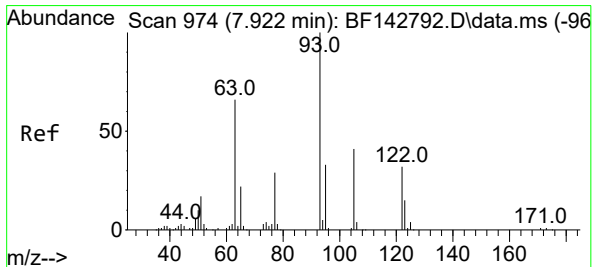
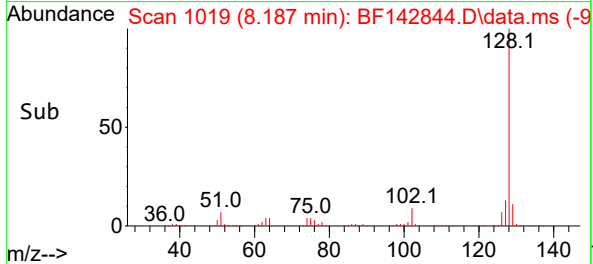
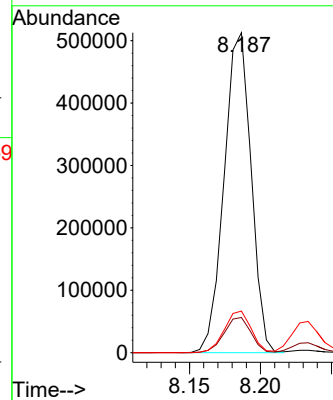
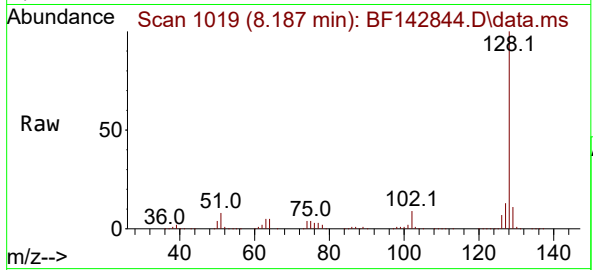
Tgt Ion:128 Resp: 676656

Ion Ratio Lower Upper

128 100

129 11.0 8.9 13.3

127 13.0 10.4 15.6



#32

Benzoic acid

Concen: 38.327 ng

RT: 7.928 min Scan# 975

Delta R.T. 0.006 min

Lab File: BF142844.D

Acq: 25 Jun 2025 18:35

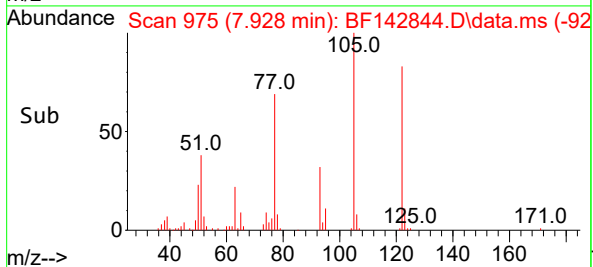
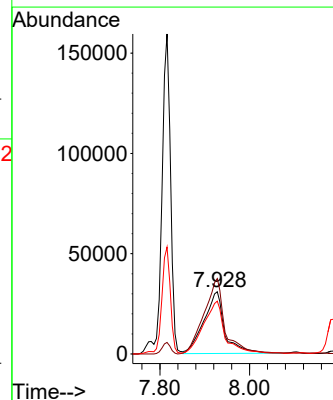
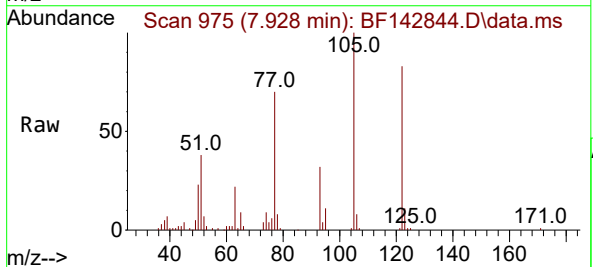
Tgt Ion:122 Resp: 99567

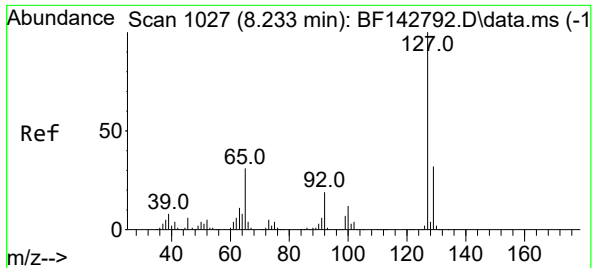
Ion Ratio Lower Upper

122 100

105 121.0 104.7 144.7

77 84.8 70.2 110.2





#33

4-Chloroaniline

Concen: 11.735 ng

RT: 8.234 min Scan# 1027

Delta R.T. 0.000 min

Lab File: BF142844.D

Acq: 25 Jun 2025 18:35

Instrument :

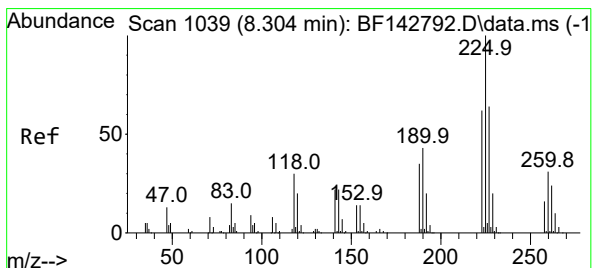
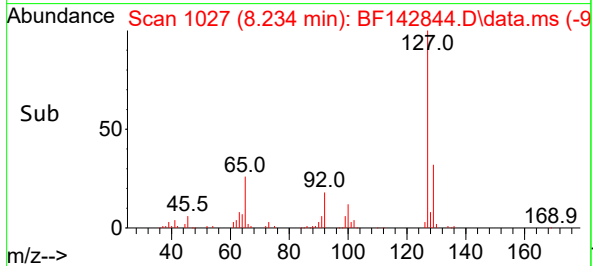
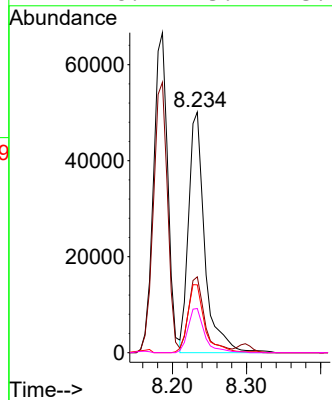
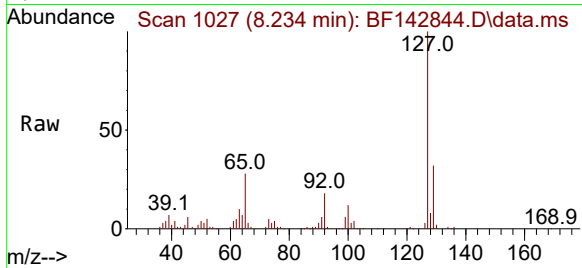
BNA_F

ClientSampleId :

MH-K/LMSD

Tgt Ion:127 Resp: 76461

Ion	Ratio	Lower	Upper
127	100		
129	31.5	25.9	38.9
65	28.2	24.6	36.8
92	18.4	15.4	23.0



#34

Hexachlorobutadiene

Concen: 42.757 ng

RT: 8.298 min Scan# 1038

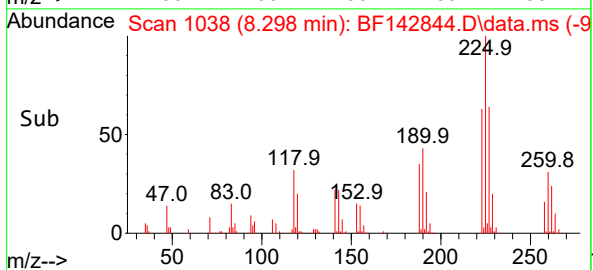
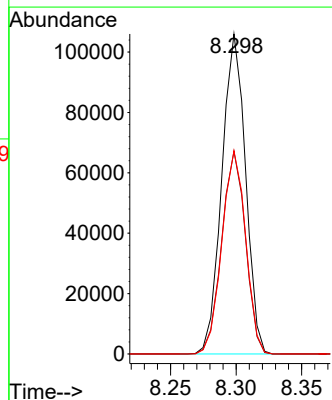
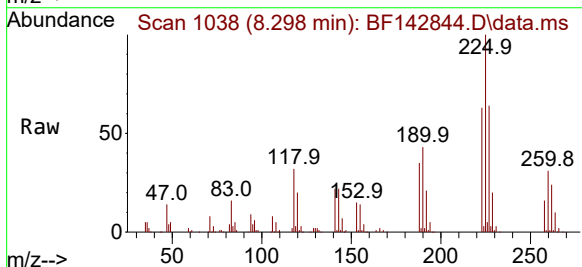
Delta R.T. -0.006 min

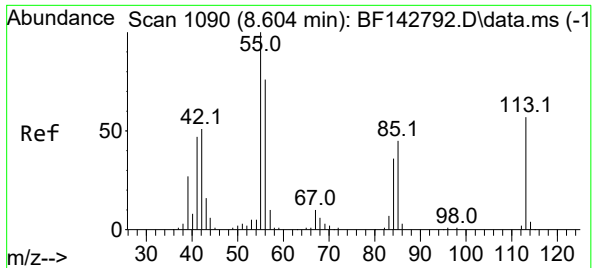
Lab File: BF142844.D

Acq: 25 Jun 2025 18:35

Tgt Ion:225 Resp: 132910

Ion	Ratio	Lower	Upper
225	100		
223	63.3	49.9	74.9
227	63.5	51.4	77.0





#35

Caprolactam

Concen: 42.938 ng

RT: 8.610 min Scan# 1091

Delta R.T. 0.006 min

Lab File: BF142844.D

Acq: 25 Jun 2025 18:35

Instrument :

BNA_F

ClientSampleId :

MH-K/LMSD

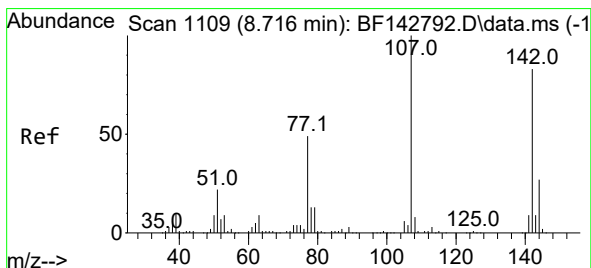
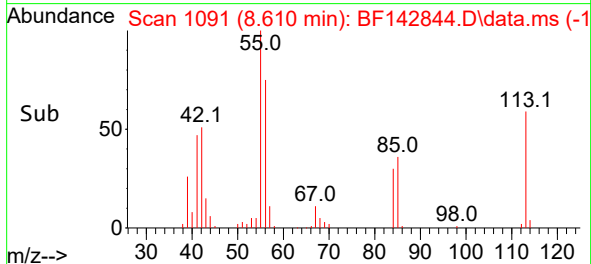
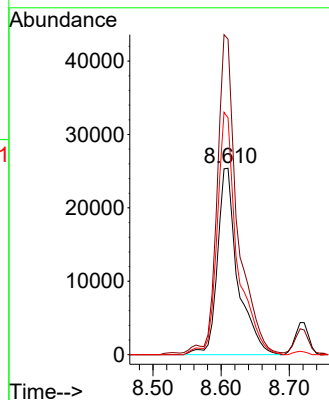
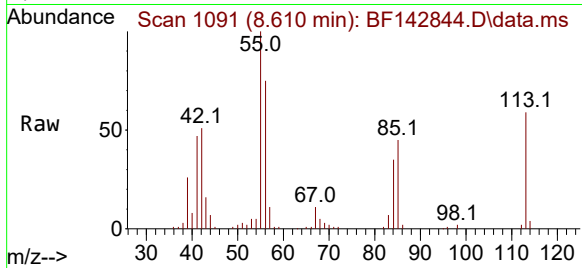
Tgt Ion:113 Resp: 52363

Ion Ratio Lower Upper

113 100

55 169.2 154.4 194.4

56 127.0 112.1 152.1



#36

4-Chloro-3-methylphenol

Concen: 41.966 ng

RT: 8.716 min Scan# 1109

Delta R.T. 0.000 min

Lab File: BF142844.D

Acq: 25 Jun 2025 18:35

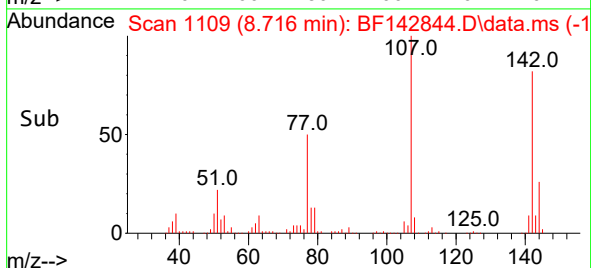
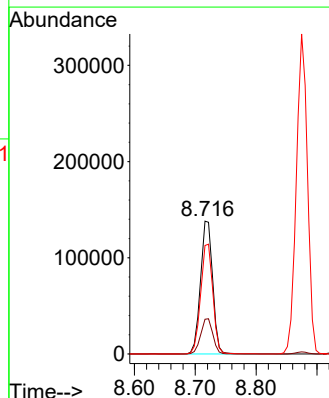
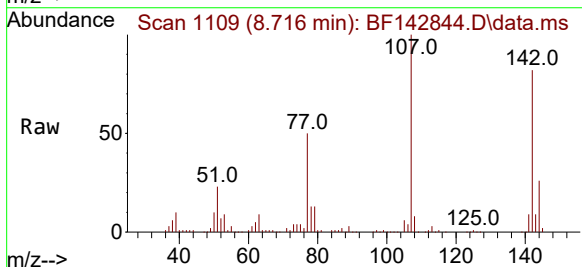
Tgt Ion:107 Resp: 192750

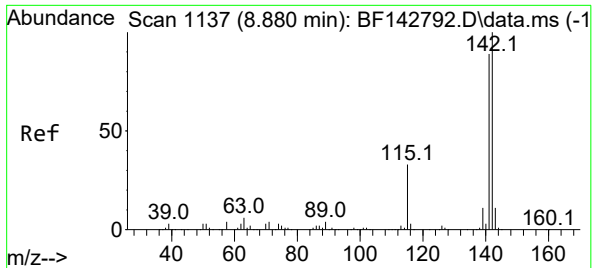
Ion Ratio Lower Upper

107 100

144 26.2 21.3 31.9

142 81.7 66.6 100.0

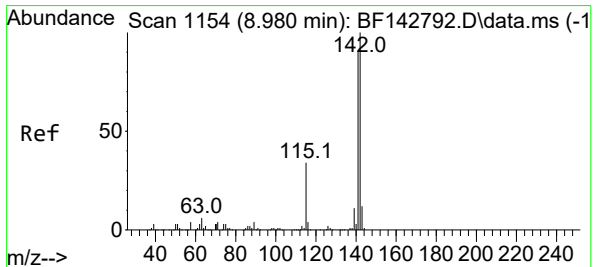
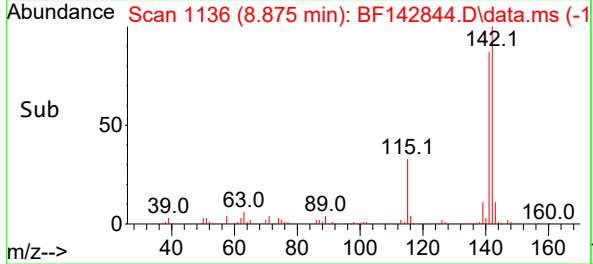
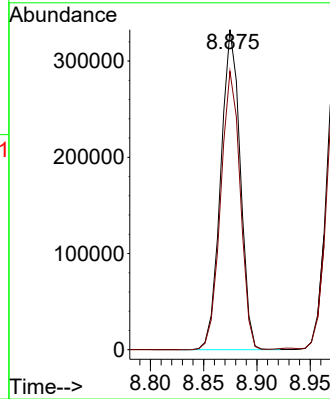
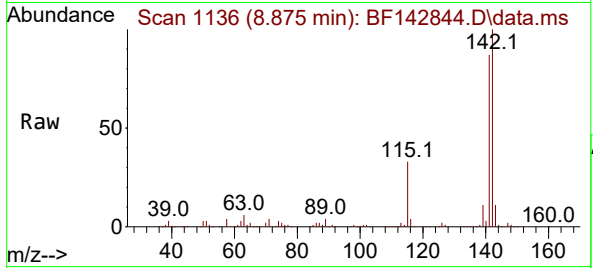




#37
2-Methylnaphthalene
Concen: 42.581 ng
RT: 8.875 min Scan# 1136
Delta R.T. -0.006 min
Lab File: BF142844.D
Acq: 25 Jun 2025 18:35

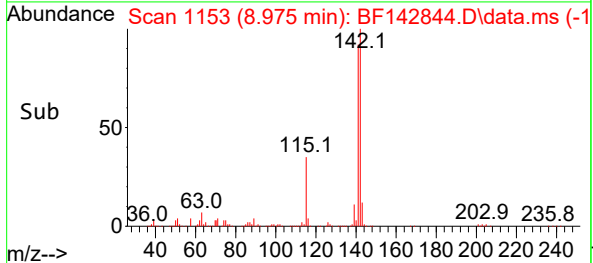
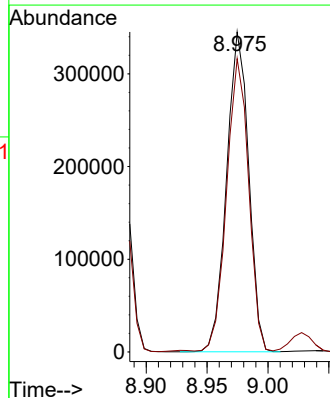
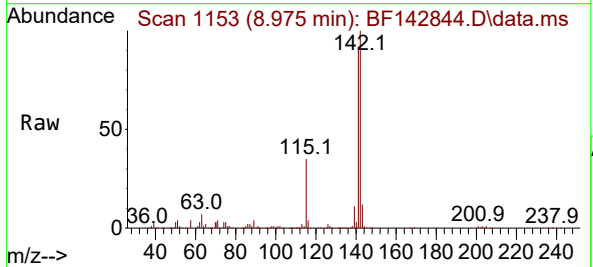
Instrument :
BNA_F
ClientSampleId :
MH-K/LMSD

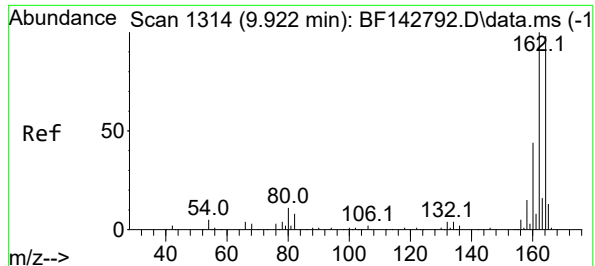
Tgt Ion:142 Resp: 422995
Ion Ratio Lower Upper
142 100
141 87.0 70.9 106.3



#38
1-Methylnaphthalene
Concen: 42.256 ng
RT: 8.975 min Scan# 1153
Delta R.T. -0.006 min
Lab File: BF142844.D
Acq: 25 Jun 2025 18:35

Tgt Ion:142 Resp: 434533
Ion Ratio Lower Upper
142 100
141 91.6 73.0 109.4





#39

Acenaphthene-d10

Concen: 20.000 ng

RT: 9.922 min Scan# 111

Delta R.T. 0.000 min

Lab File: BF142844.D

Acq: 25 Jun 2025 18:35

Instrument :

BNA_F

ClientSampleId :

MH-K/LMSD

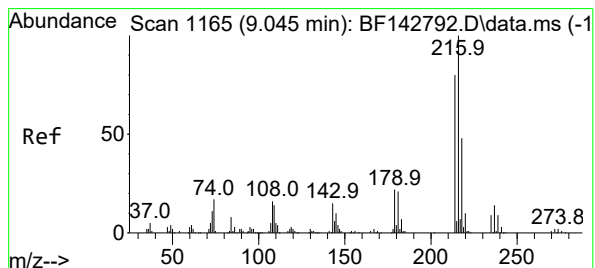
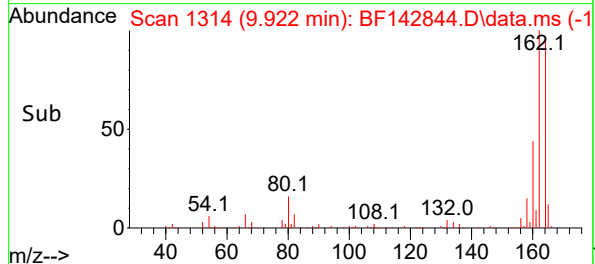
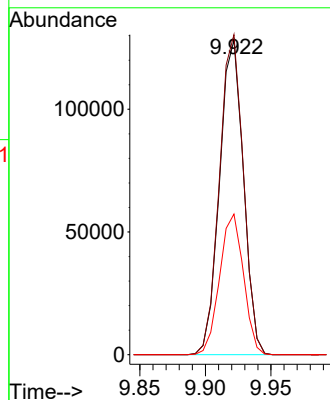
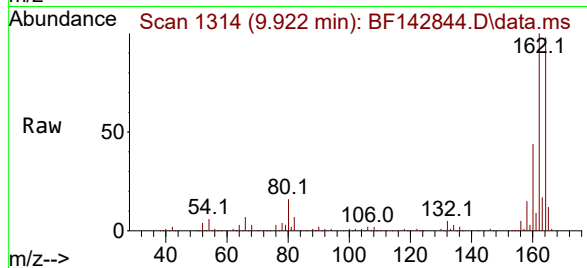
Tgt Ion:164 Resp: 161732

Ion Ratio Lower Upper

164 100

162 101.7 81.8 122.8

160 44.7 36.0 54.0



#40

1,2,4,5-Tetrachlorobenzene

Concen: 45.080 ng

RT: 9.045 min Scan# 1165

Delta R.T. 0.000 min

Lab File: BF142844.D

Acq: 25 Jun 2025 18:35

Tgt Ion:216 Resp: 215130

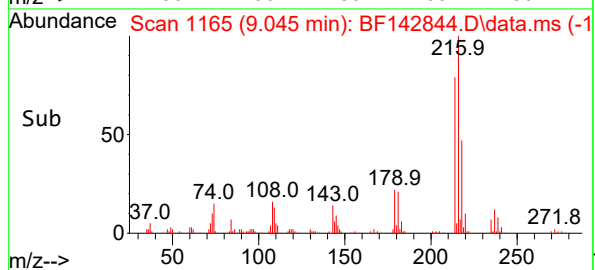
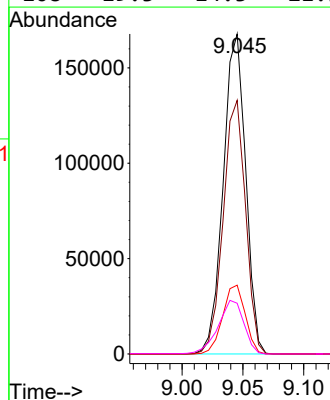
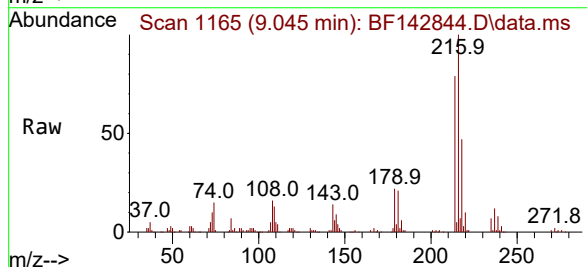
Ion Ratio Lower Upper

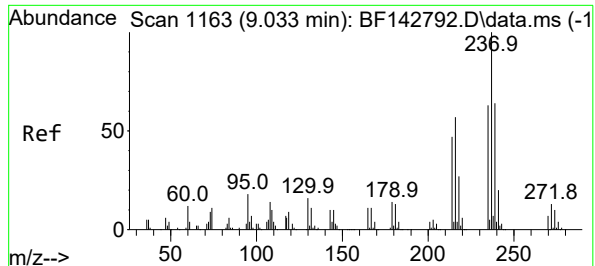
216 100

214 78.9 63.7 95.5

179 21.7 17.6 26.4

108 19.3 14.3 21.5





#41

Hexachlorocyclopentadiene

Concen: 82.757 ng

RT: 9.028 min Scan# 1163

Delta R.T. -0.006 min

Lab File: BF142844.D

Acq: 25 Jun 2025 18:35

Instrument :

BNA_F

ClientSampleId :

MH-K/LMSD

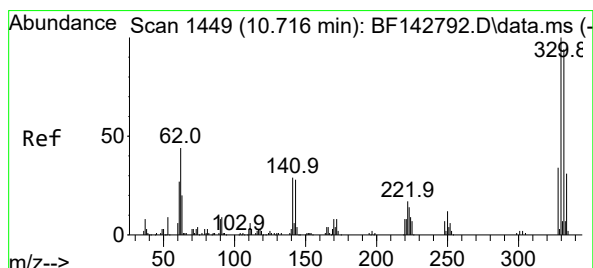
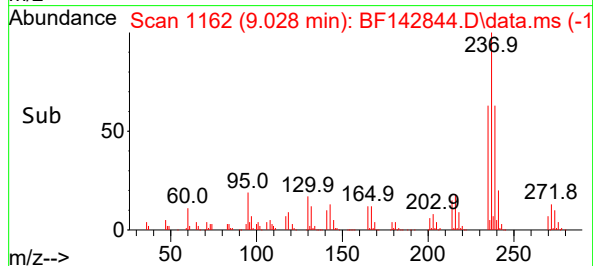
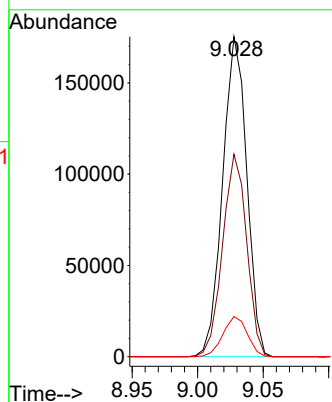
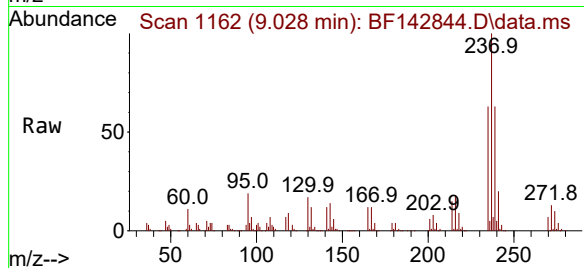
Tgt Ion:237 Resp: 224115

Ion Ratio Lower Upper

237 100

235 63.3 43.4 83.4

272 12.6 0.0 32.7



#42

2,4,6-Tribromophenol

Concen: 91.833 ng

RT: 10.710 min Scan# 1448

Delta R.T. -0.006 min

Lab File: BF142844.D

Acq: 25 Jun 2025 18:35

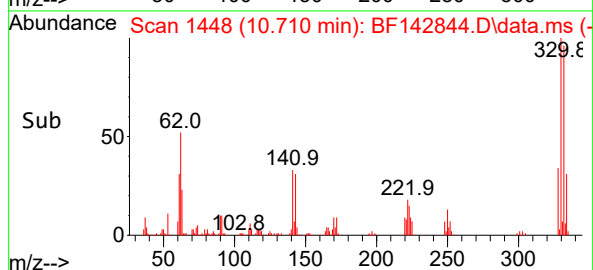
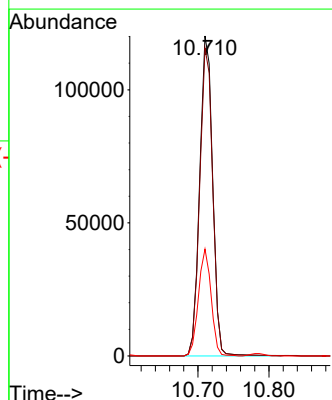
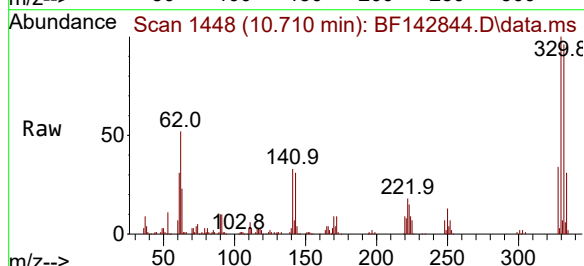
Tgt Ion:330 Resp: 152841

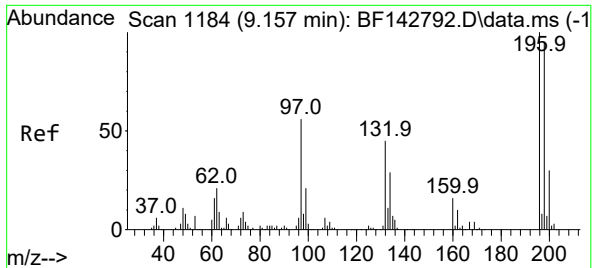
Ion Ratio Lower Upper

330 100

332 96.8 75.0 112.6

141 32.7 25.3 37.9





#43

2,4,6-Trichlorophenol

Concen: 44.112 ng

RT: 9.157 min Scan# 1184

Delta R.T. 0.000 min

Lab File: BF142844.D

Acq: 25 Jun 2025 18:35

Instrument :

BNA_F

ClientSampleId :

MH-K/LMSD

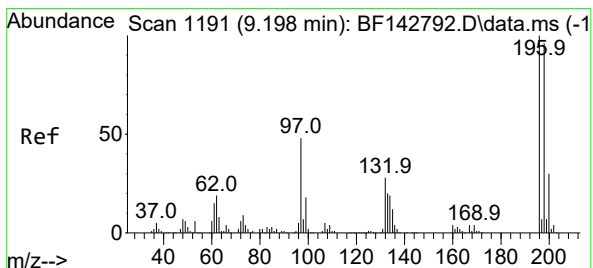
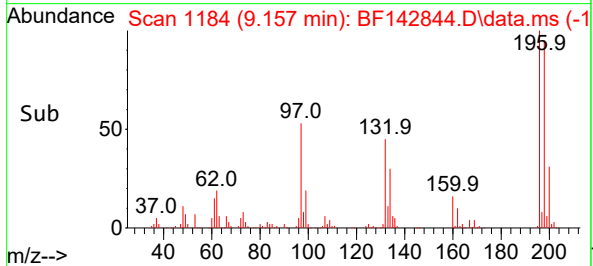
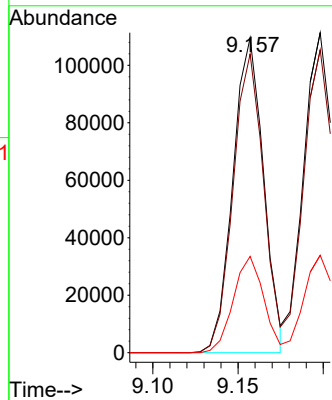
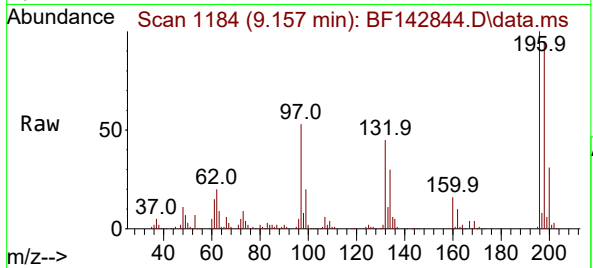
Tgt Ion:196 Resp: 137174

Ion Ratio Lower Upper

196 100

198 94.8 76.2 114.2

200 30.6 24.1 36.1



#44

2,4,5-Trichlorophenol

Concen: 42.953 ng

RT: 9.198 min Scan# 1191

Delta R.T. 0.000 min

Lab File: BF142844.D

Acq: 25 Jun 2025 18:35

Tgt Ion:196 Resp: 140604

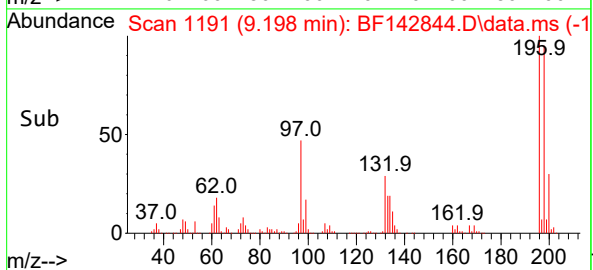
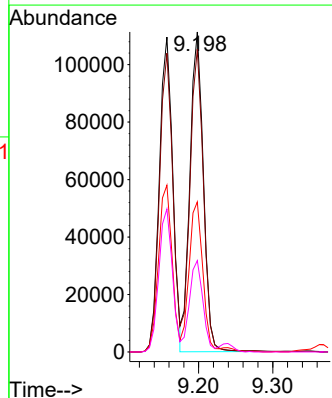
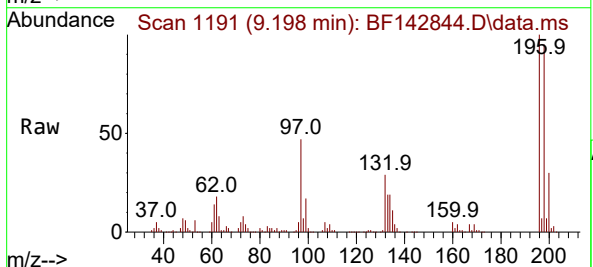
Ion Ratio Lower Upper

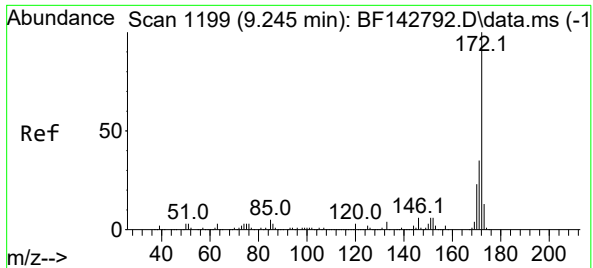
196 100

198 94.7 76.6 115.0

97 46.9 38.2 57.2

132 28.6 23.4 35.0





#45

2-Fluorobiphenyl

Concen: 63.101 ng

RT: 9.239 min Scan# 1199

Delta R.T. -0.006 min

Lab File: BF142844.D

Acq: 25 Jun 2025 18:35

Instrument :

BNA_F

ClientSampleId :

MH-K/LMSD

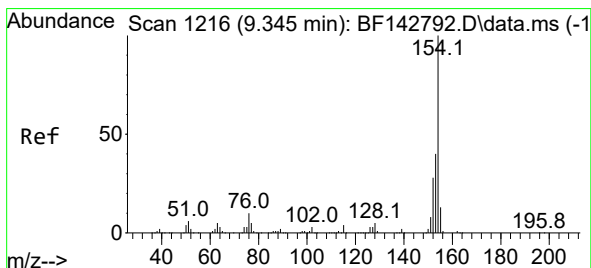
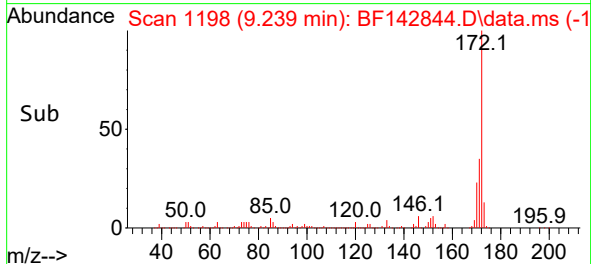
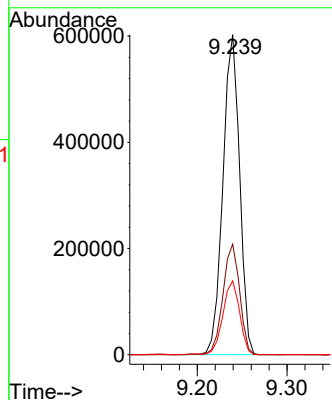
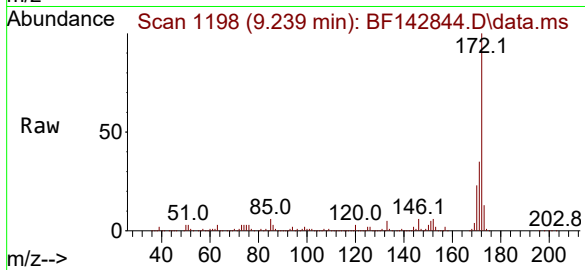
Tgt Ion:172 Resp: 776863

Ion Ratio Lower Upper

172 100

171 34.6 28.2 42.4

170 23.0 18.5 27.7



#46

1,1'-Biphenyl

Concen: 44.557 ng

RT: 9.339 min Scan# 1215

Delta R.T. -0.006 min

Lab File: BF142844.D

Acq: 25 Jun 2025 18:35

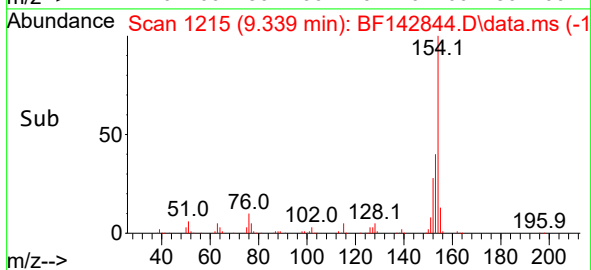
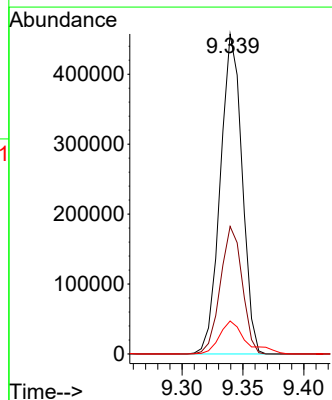
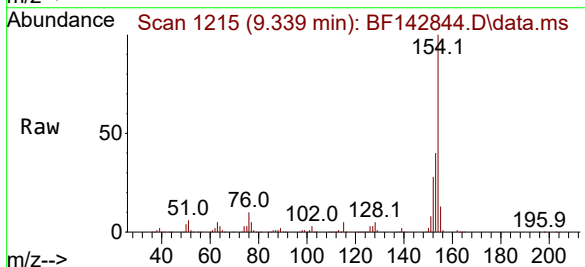
Tgt Ion:154 Resp: 569253

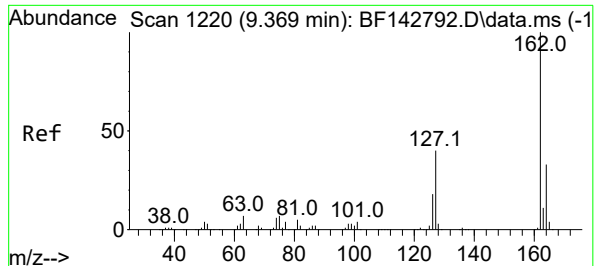
Ion Ratio Lower Upper

154 100

153 39.9 20.3 60.3

76 10.3 0.0 30.3





#47

2-Chloronaphthalene

Concen: 43.481 ng

RT: 9.369 min Scan# 1220

Delta R.T. 0.000 min

Lab File: BF142844.D

Acq: 25 Jun 2025 18:35

Instrument :

BNA_F

ClientSampleId :

MH-K/LMSD

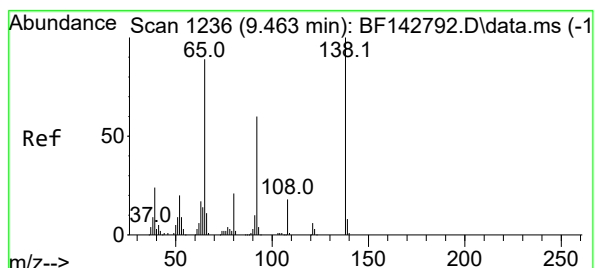
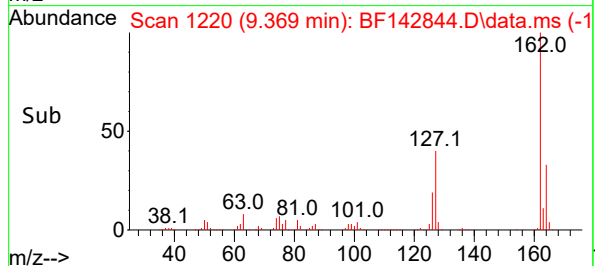
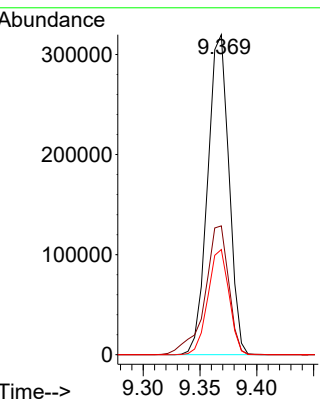
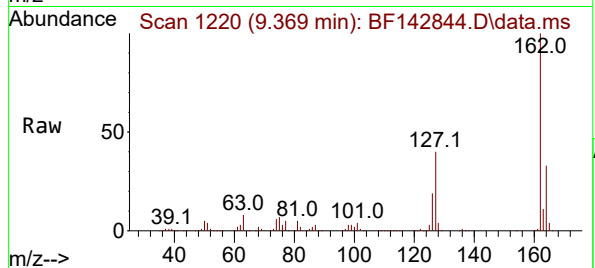
Tgt Ion:162 Resp: 416871

Ion Ratio Lower Upper

162 100

127 40.3 32.2 48.2

164 32.9 26.1 39.1



#48

2-Nitroaniline

Concen: 42.709 ng

RT: 9.463 min Scan# 1236

Delta R.T. 0.000 min

Lab File: BF142844.D

Acq: 25 Jun 2025 18:35

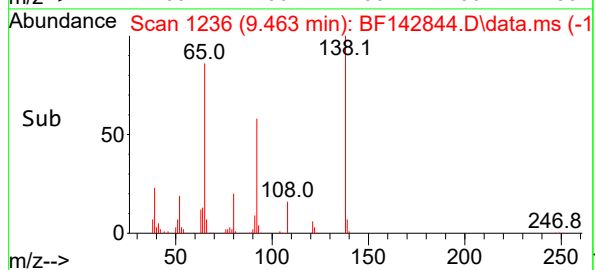
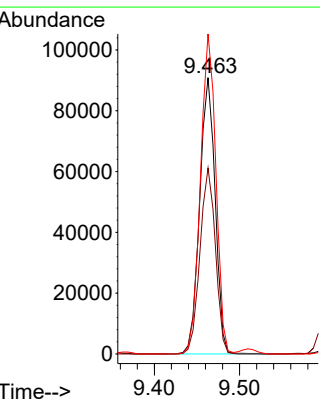
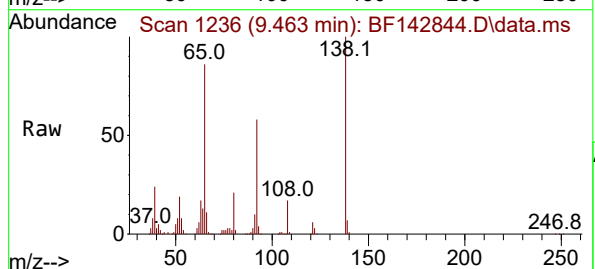
Tgt Ion: 65 Resp: 114797

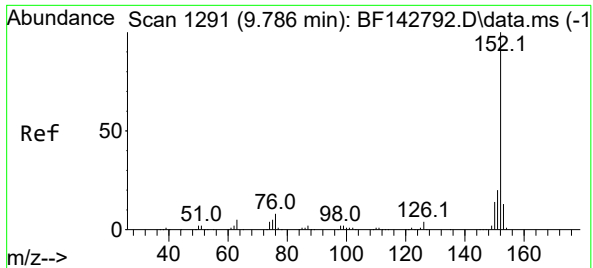
Ion Ratio Lower Upper

65 100

92 67.3 53.8 80.6

138 115.8 89.6 134.4





#49

Acenaphthylene

Concen: 42.918 ng

RT: 9.781 min Scan# 1291

Delta R.T. -0.006 min

Lab File: BF142844.D

Acq: 25 Jun 2025 18:35

Instrument :

BNA_F

ClientSampleId :

MH-K/LMSD

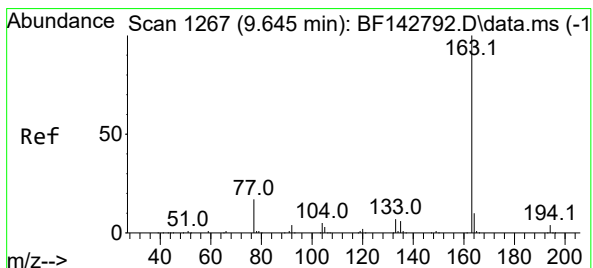
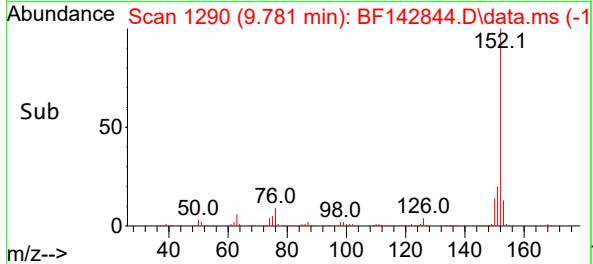
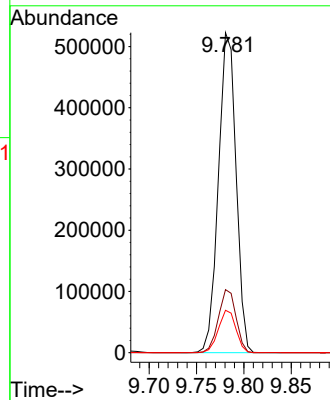
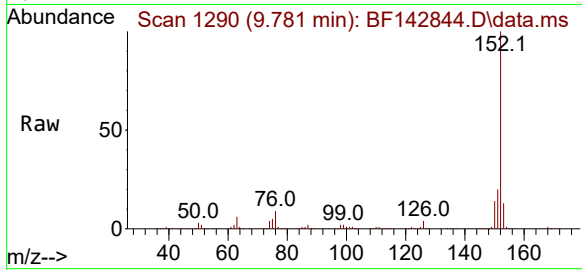
Tgt Ion:152 Resp: 677374

Ion Ratio Lower Upper

152 100

151 19.7 16.1 24.1

153 13.3 10.4 15.6



#50

Dimethylphthalate

Concen: 44.548 ng

RT: 9.639 min Scan# 1266

Delta R.T. -0.006 min

Lab File: BF142844.D

Acq: 25 Jun 2025 18:35

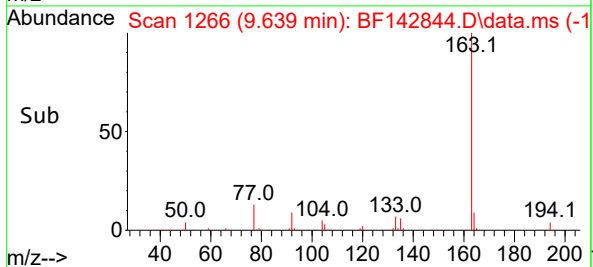
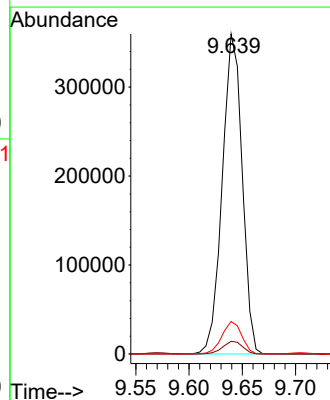
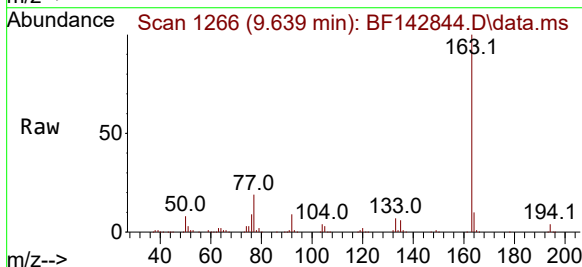
Tgt Ion:163 Resp: 466375

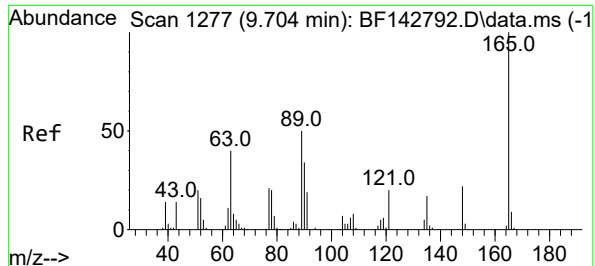
Ion Ratio Lower Upper

163 100

194 4.0 3.3 4.9

164 10.1 8.0 12.0





#51

2,6-Dinitrotoluene

Concen: 43.733 ng

RT: 9.704 min Scan# 1277

Delta R.T. 0.000 min

Lab File: BF142844.D

Acq: 25 Jun 2025 18:35

Instrument :

BNA_F

ClientSampleId :

MH-K/LMSD

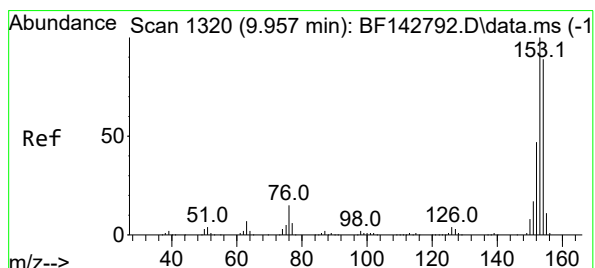
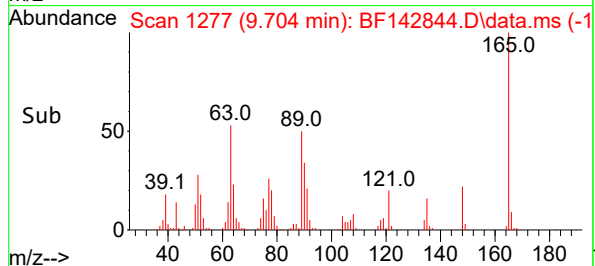
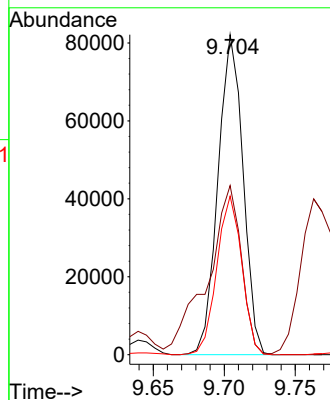
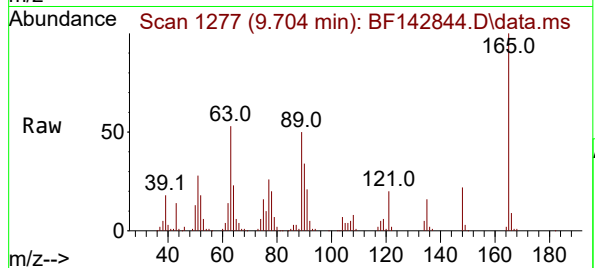
Tgt Ion:165 Resp: 100547

Ion Ratio Lower Upper

165 100

63 52.8 44.2 66.4

89 49.5 39.8 59.8



#52

Acenaphthene

Concen: 45.027 ng

RT: 9.957 min Scan# 1320

Delta R.T. 0.000 min

Lab File: BF142844.D

Acq: 25 Jun 2025 18:35

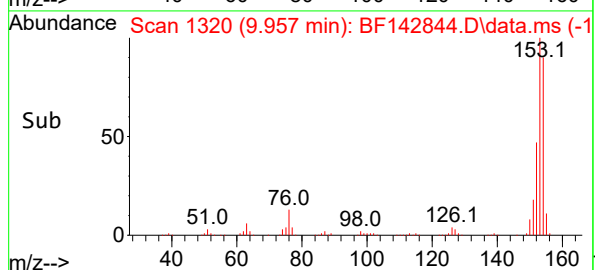
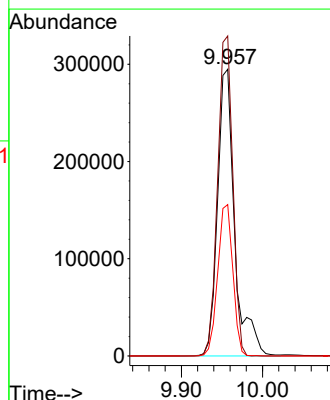
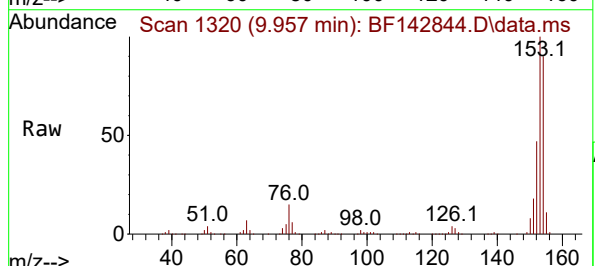
Tgt Ion:154 Resp: 433591

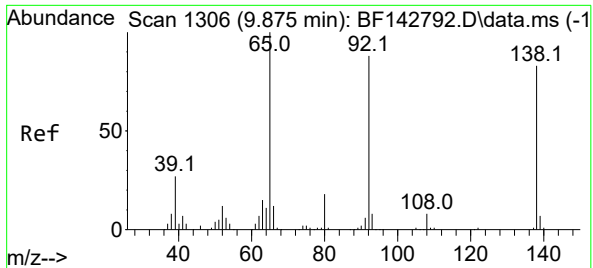
Ion Ratio Lower Upper

154 100

153 111.6 90.0 135.0

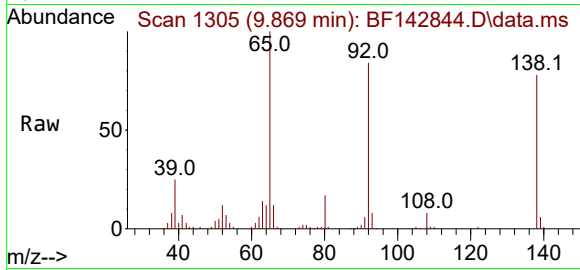
152 52.8 41.9 62.9



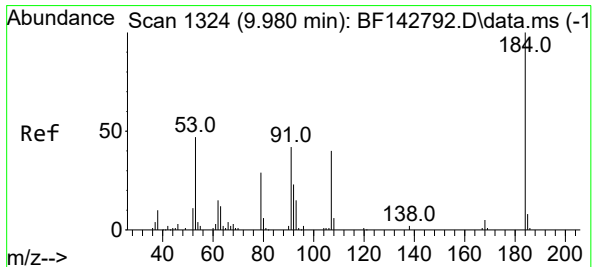
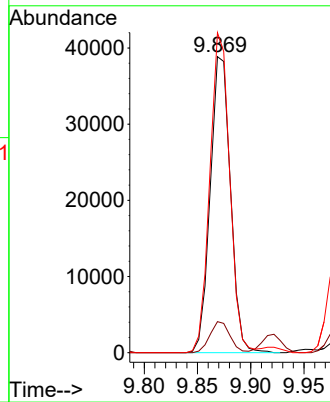
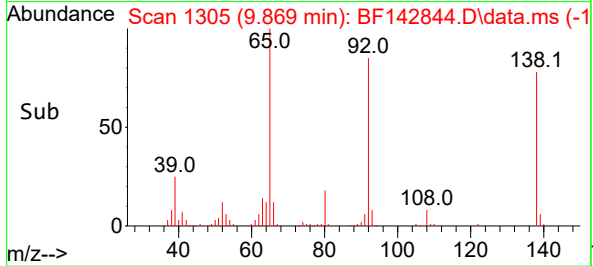


#53
3-Nitroaniline
Concen: 20.274 ng
RT: 9.869 min Scan# 11
Delta R.T. -0.006 min
Lab File: BF142844.D
Acq: 25 Jun 2025 18:35

Instrument :
BNA_F
ClientSampleId :
MH-K/LMSD

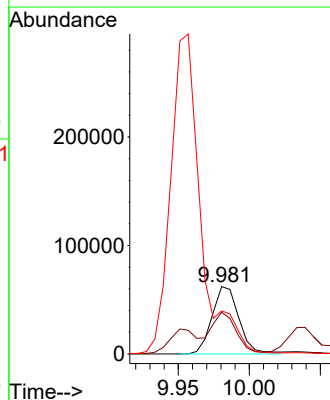
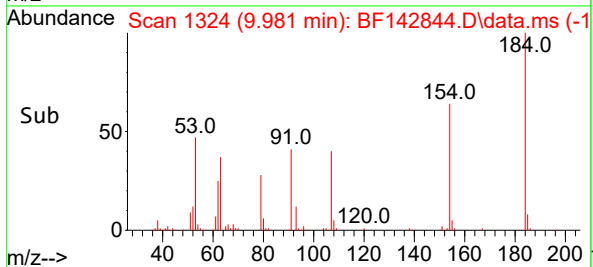
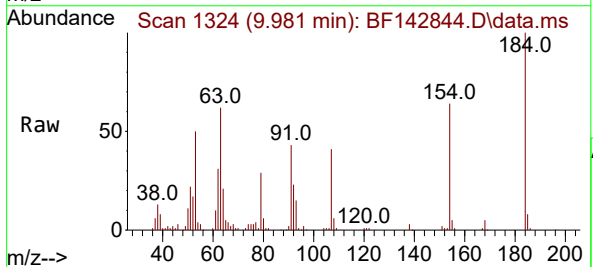


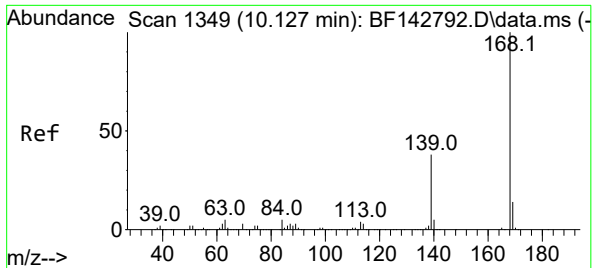
Tgt Ion:138 Resp: 51321
Ion Ratio Lower Upper
138 100
108 10.5 8.1 12.1
92 108.1 85.1 127.7



#54
2,4-Dinitrophenol
Concen: 71.158 ng
RT: 9.981 min Scan# 1324
Delta R.T. 0.000 min
Lab File: BF142844.D
Acq: 25 Jun 2025 18:35

Tgt Ion:184 Resp: 81917
Ion Ratio Lower Upper
184 100
63 62.1 50.6 75.8
154 63.9 51.8 77.8





#55

Dibenzofuran

Concen: 41.931 ng

RT: 10.128 min Scan# 1

Delta R.T. 0.000 min

Lab File: BF142844.D

Acq: 25 Jun 2025 18:35

Instrument :

BNA_F

ClientSampleId :

MH-K/LMSD

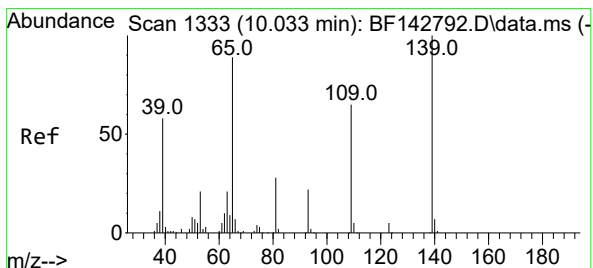
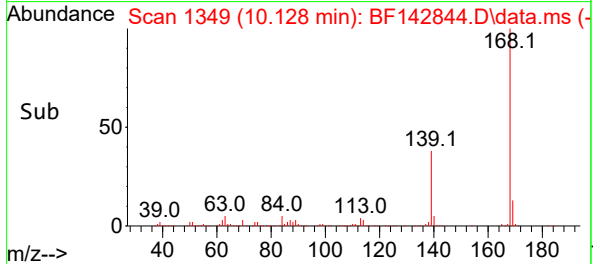
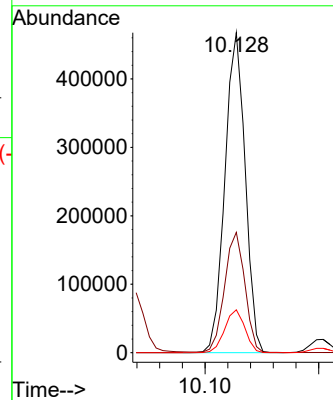
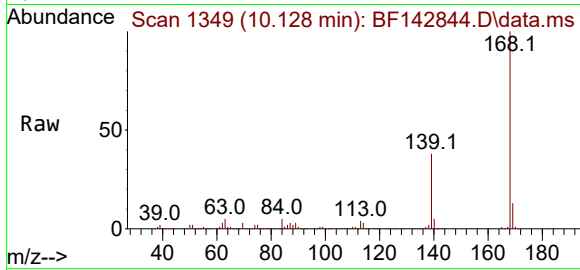
Tgt Ion:168 Resp: 578999

Ion Ratio Lower Upper

168 100

139 37.6 30.2 45.4

169 13.4 10.8 16.2



#56

4-Nitrophenol

Concen: 68.321 ng

RT: 10.039 min Scan# 1334

Delta R.T. 0.006 min

Lab File: BF142844.D

Acq: 25 Jun 2025 18:35

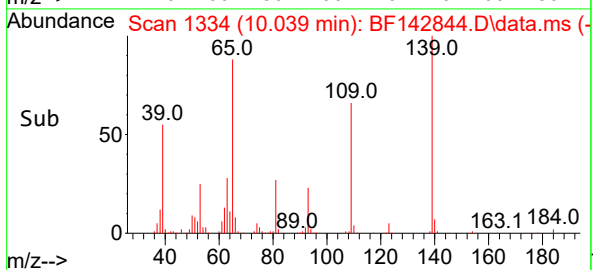
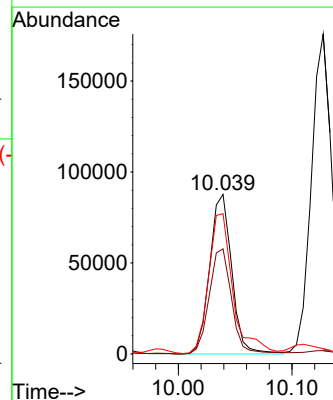
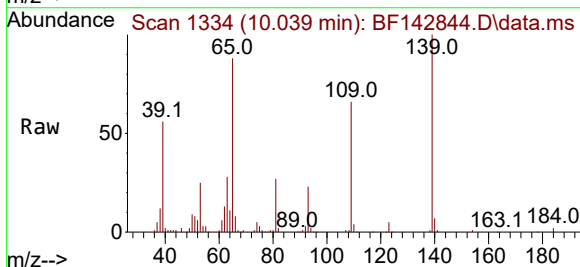
Tgt Ion:139 Resp: 118397

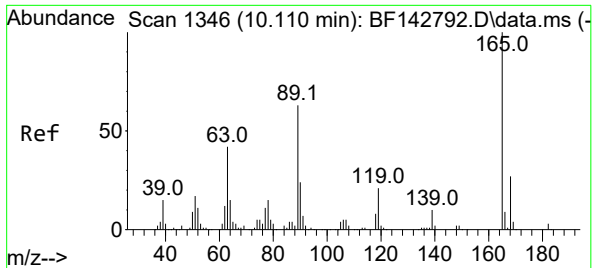
Ion Ratio Lower Upper

139 100

109 65.9 44.7 84.7

65 88.0 69.8 109.8

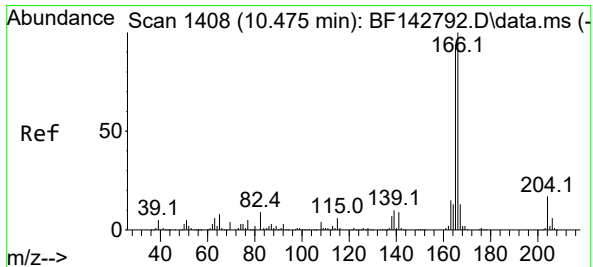
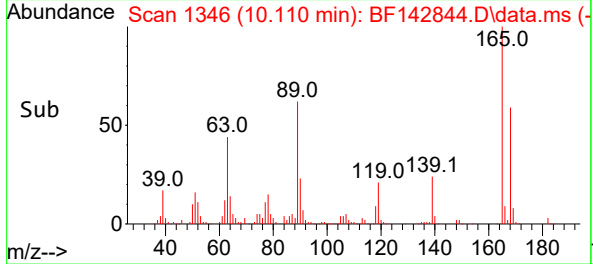
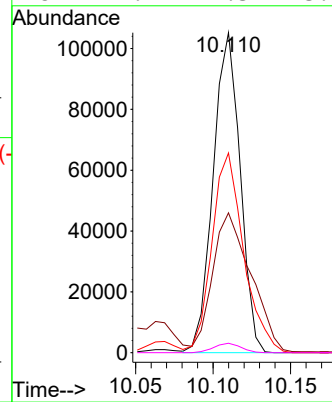
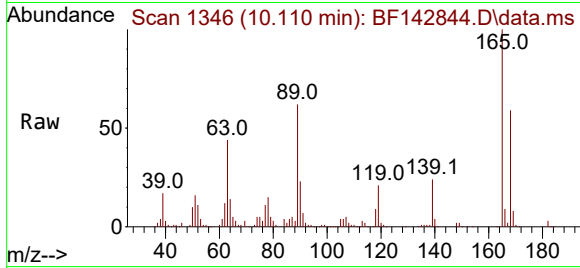




#57
2,4-Dinitrotoluene
Concen: 41.679 ng
RT: 10.110 min Scan# 11
Delta R.T. 0.000 min
Lab File: BF142844.D
Acq: 25 Jun 2025 18:35

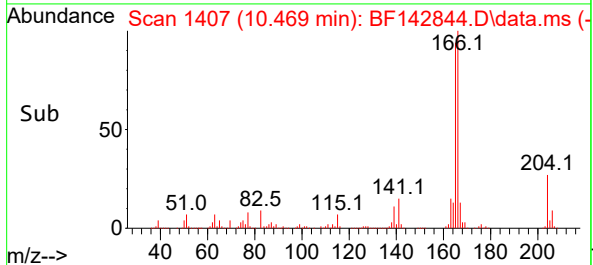
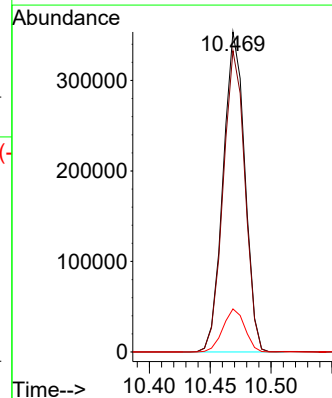
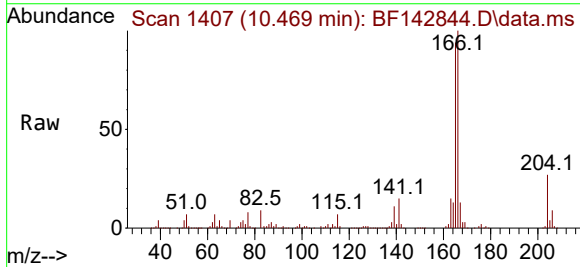
Instrument :
BNA_F
ClientSampleId :
MH-K/LMSD

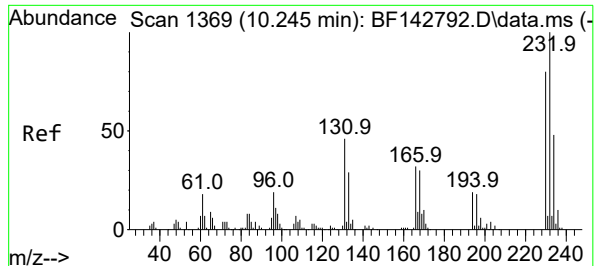
Tgt Ion:165 Resp: 127282
Ion Ratio Lower Upper
165 100
63 43.7 33.9 50.9
89 62.4 50.6 75.8
182 2.9 2.3 3.5



#58
Fluorene
Concen: 40.624 ng
RT: 10.469 min Scan# 1407
Delta R.T. -0.006 min
Lab File: BF142844.D
Acq: 25 Jun 2025 18:35

Tgt Ion:166 Resp: 438096
Ion Ratio Lower Upper
166 100
165 94.2 75.2 112.8
167 13.5 10.6 15.8

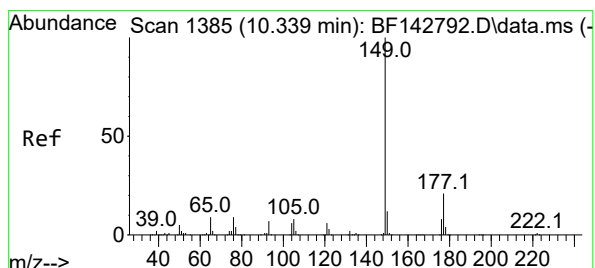
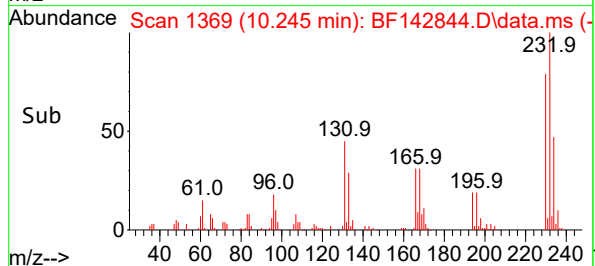
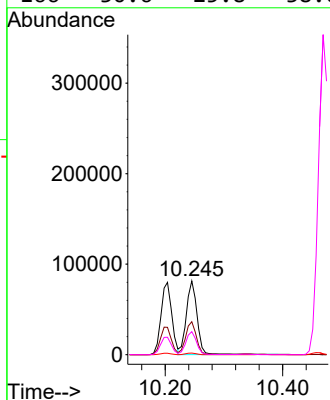
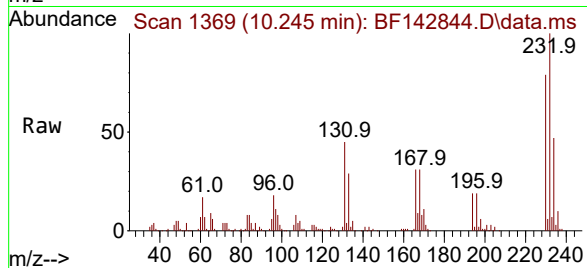




#59
2,3,4,6-Tetrachlorophenol
Concen: 39.105 ng
RT: 10.245 min Scan# 1369
Delta R.T. 0.000 min
Lab File: BF142844.D
Acq: 25 Jun 2025 18:35

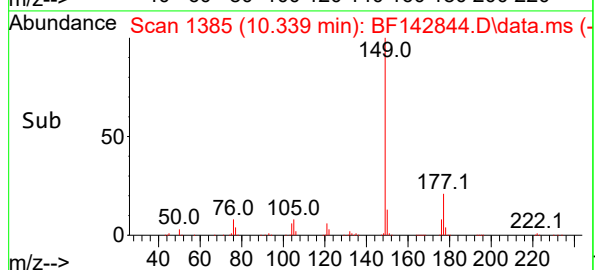
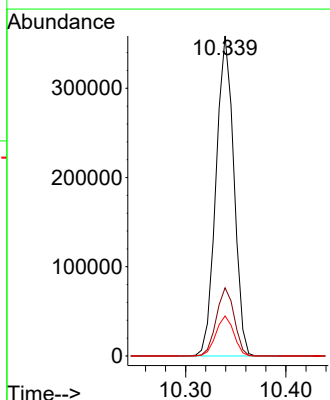
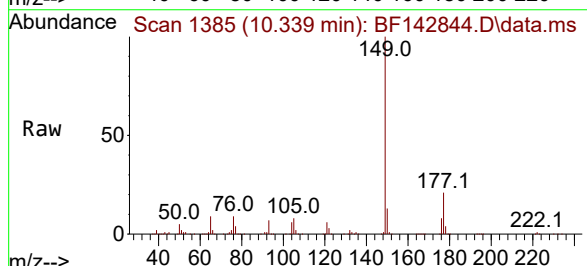
Instrument :
BNA_F
ClientSampleId :
MH-K/LMSD

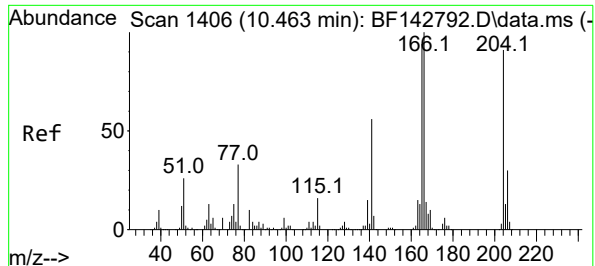
Tgt Ion:232 Resp: 103184
Ion Ratio Lower Upper
232 100
131 45.1 37.6 56.4
130 2.1 1.7 2.5
166 30.6 25.8 38.6



#60
Diethylphthalate
Concen: 43.110 ng
RT: 10.339 min Scan# 1385
Delta R.T. 0.000 min
Lab File: BF142844.D
Acq: 25 Jun 2025 18:35

Tgt Ion:149 Resp: 442512
Ion Ratio Lower Upper
149 100
177 21.3 17.0 25.6
150 12.5 9.8 14.6

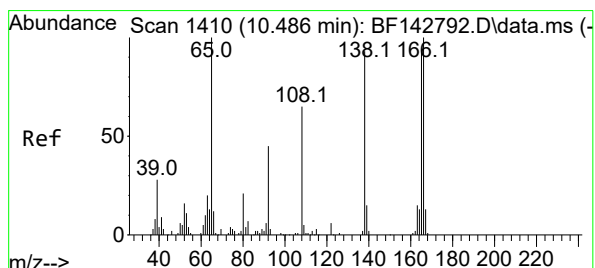
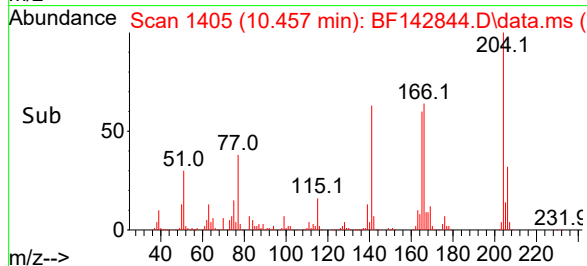
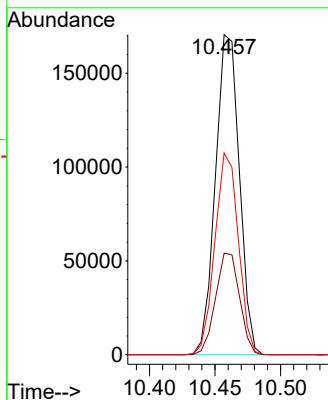
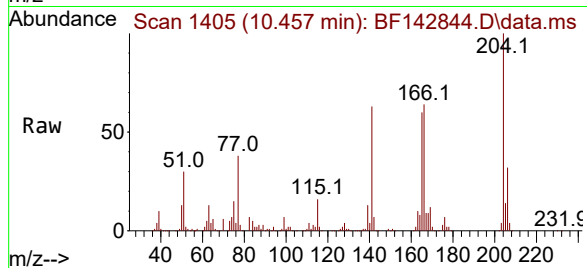




#61
4-Chlorophenyl-phenylether
Concen: 42.059 ng
RT: 10.457 min Scan# 1405
Delta R.T. -0.006 min
Lab File: BF142844.D
Acq: 25 Jun 2025 18:35

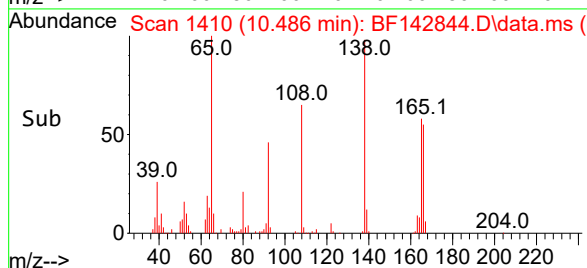
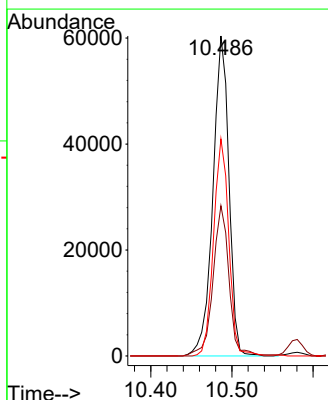
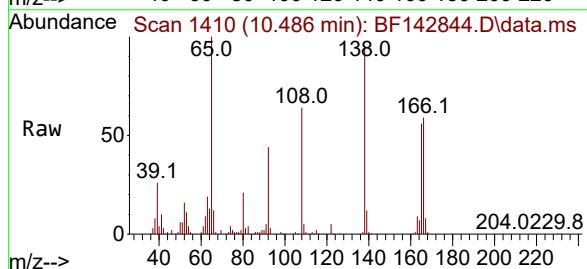
Instrument :
BNA_F
ClientSampleId :
MH-K/LMSD

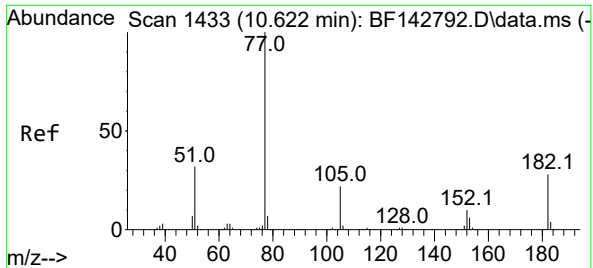
Tgt Ion:204 Resp: 216441
Ion Ratio Lower Upper
204 100
206 31.7 26.3 39.5
141 63.1 49.1 73.7



#62
4-Nitroaniline
Concen: 35.904 ng
RT: 10.486 min Scan# 1410
Delta R.T. 0.000 min
Lab File: BF142844.D
Acq: 25 Jun 2025 18:35

Tgt Ion:138 Resp: 83121
Ion Ratio Lower Upper
138 100
92 46.9 28.4 68.4
108 67.8 50.2 90.2

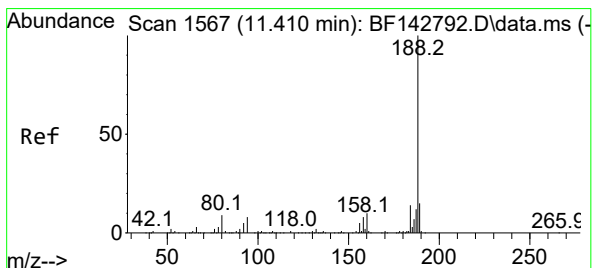
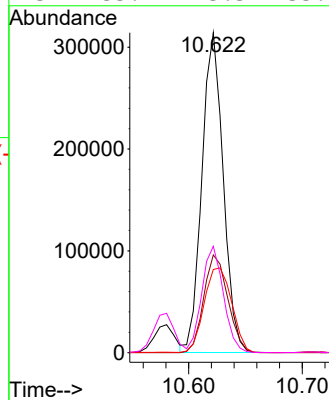
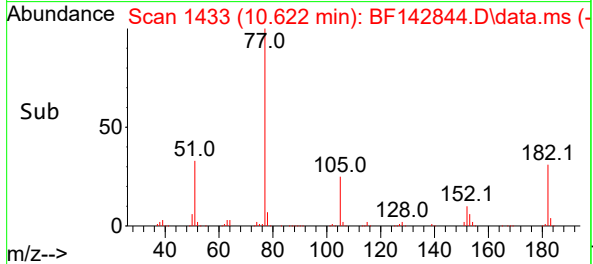
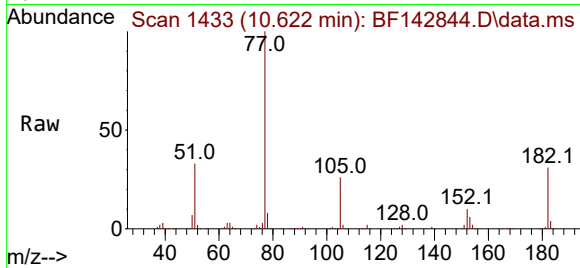




#63
Azobenzene
Concen: 44.673 ng
RT: 10.622 min Scan# 1433
Delta R.T. 0.000 min
Lab File: BF142844.D
Acq: 25 Jun 2025 18:35

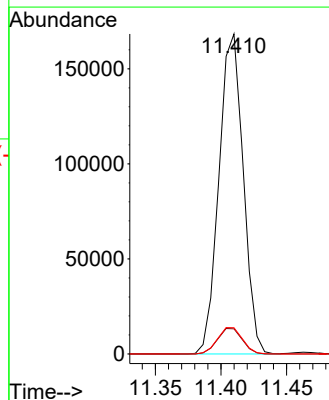
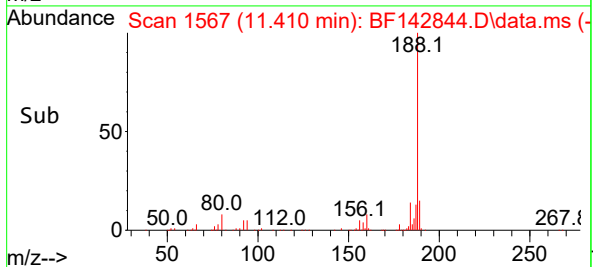
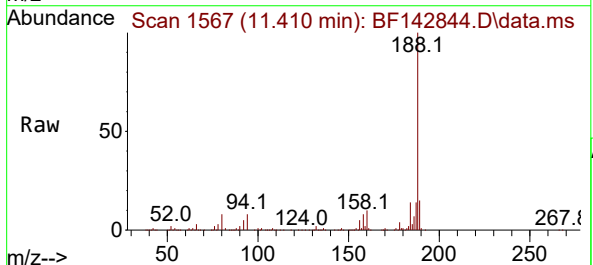
Instrument :
BNA_F
ClientSampleId :
MH-K/LMSD

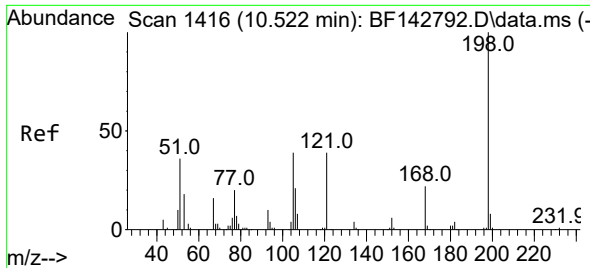
Tgt Ion: 77 Resp: 409836
Ion Ratio Lower Upper
77 100
182 30.6 7.7 47.7
105 26.0 1.9 41.9
51 33.2 13.3 53.3



#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.410 min Scan# 1567
Delta R.T. 0.000 min
Lab File: BF142844.D
Acq: 25 Jun 2025 18:35

Tgt Ion: 188 Resp: 216826
Ion Ratio Lower Upper
188 100
94 7.8 6.7 10.1
80 8.2 6.9 10.3

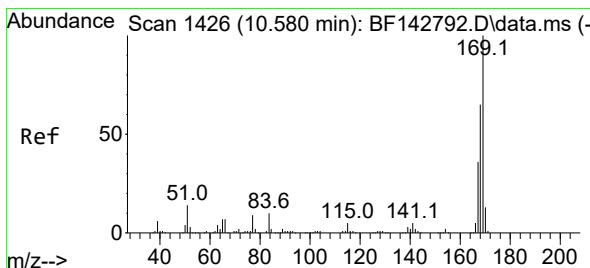
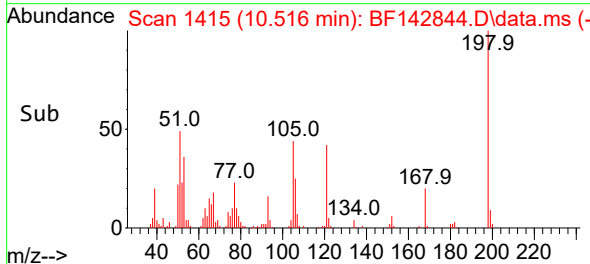
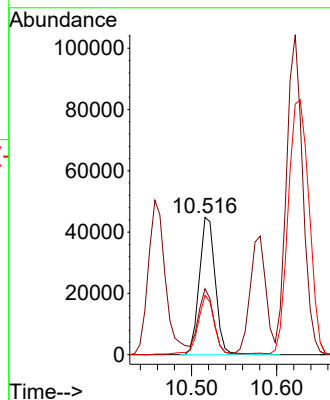
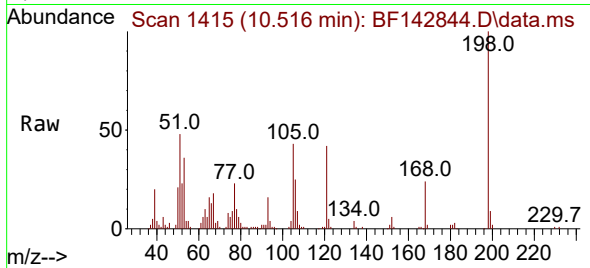




#65
4,6-Dinitro-2-methylphenol
Concen: 44.616 ng
RT: 10.516 min Scan# 1416
Delta R.T. -0.006 min
Lab File: BF142844.D
Acq: 25 Jun 2025 18:35

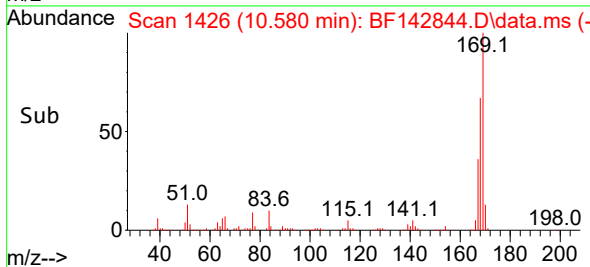
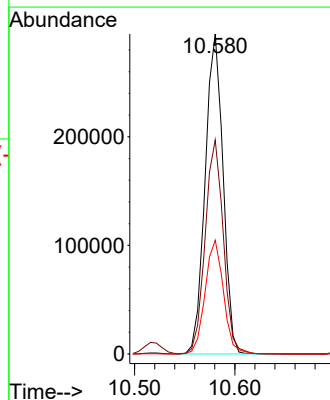
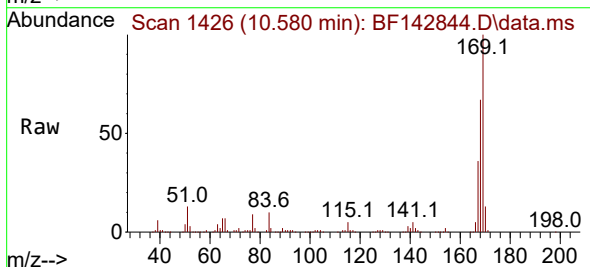
Instrument :
BNA_F
ClientSampleId :
MH-K/LMSD

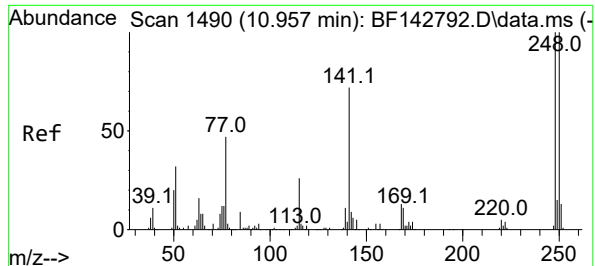
Tgt Ion	Ratio	Lower	Upper
198	100		
51	48.1	25.4	65.4
105	43.2	20.4	60.4



#66
n-Nitrosodiphenylamine
Concen: 48.728 ng
RT: 10.580 min Scan# 1426
Delta R.T. 0.000 min
Lab File: BF142844.D
Acq: 25 Jun 2025 18:35

Tgt Ion	Ratio	Lower	Upper
169	100		
168	66.9	51.9	77.9
167	35.6	28.5	42.7

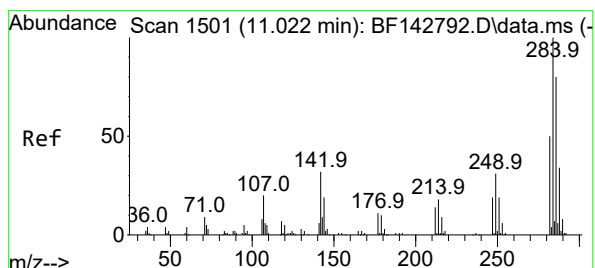
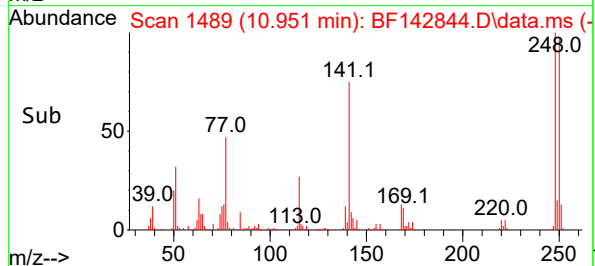
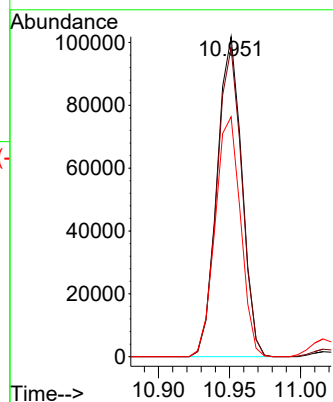
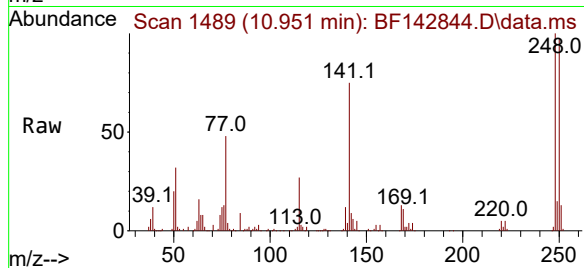




#67
4-Bromophenyl-phenylether
Concen: 50.155 ng
RT: 10.951 min Scan# 1490
Delta R.T. -0.006 min
Lab File: BF142844.D
Acq: 25 Jun 2025 18:35

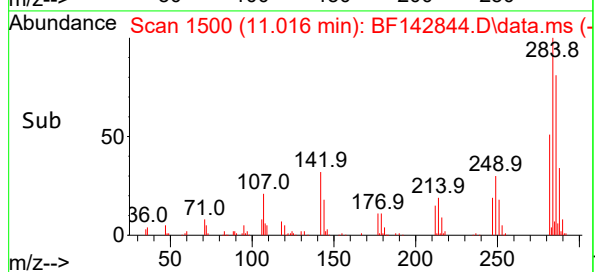
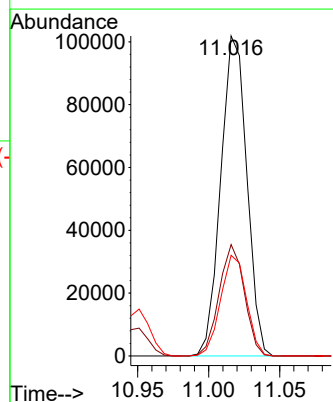
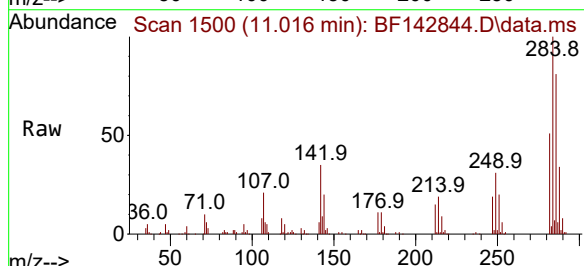
Instrument :
BNA_F
ClientSampleId :
MH-K/LMSD

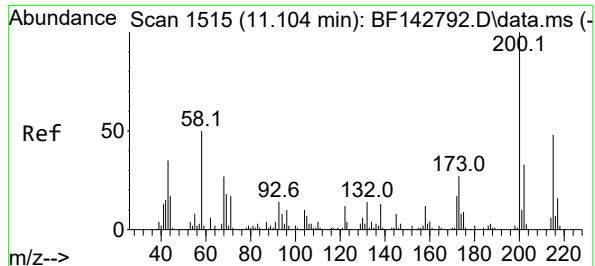
Tgt Ion:248 Resp: 123766
Ion Ratio Lower Upper
248 100
250 96.6 79.8 119.8
141 75.0 57.8 86.6



#68
Hexachlorobenzene
Concen: 47.338 ng
RT: 11.016 min Scan# 1500
Delta R.T. -0.006 min
Lab File: BF142844.D
Acq: 25 Jun 2025 18:35

Tgt Ion:284 Resp: 129801
Ion Ratio Lower Upper
284 100
142 34.8 25.5 38.3
249 31.5 24.9 37.3





#69

Atrazine

Concen: 49.045 ng

RT: 11.104 min Scan# 1515

Delta R.T. 0.000 min

Lab File: BF142844.D

Acq: 25 Jun 2025 18:35

Instrument :

BNA_F

ClientSampleId :

MH-K/LMSD

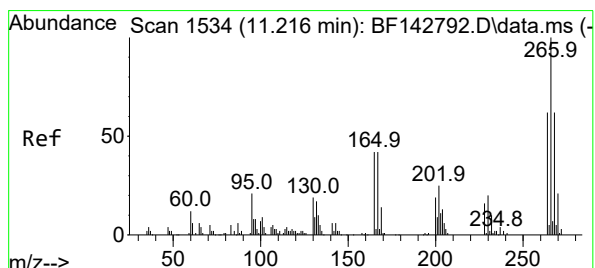
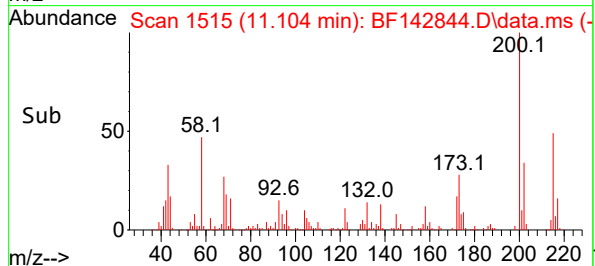
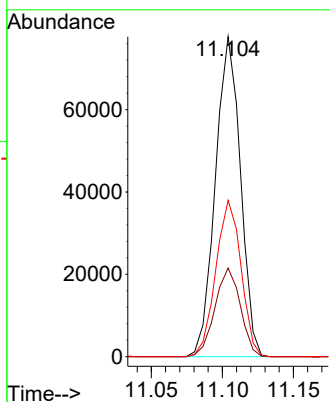
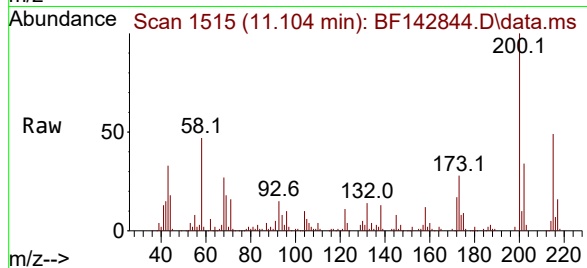
Tgt Ion:200 Resp: 95172

Ion Ratio Lower Upper

200 100

173 27.7 7.4 47.4

215 48.8 28.4 68.4



#70

Pentachlorophenol

Concen: 78.649 ng

RT: 11.216 min Scan# 1534

Delta R.T. 0.000 min

Lab File: BF142844.D

Acq: 25 Jun 2025 18:35

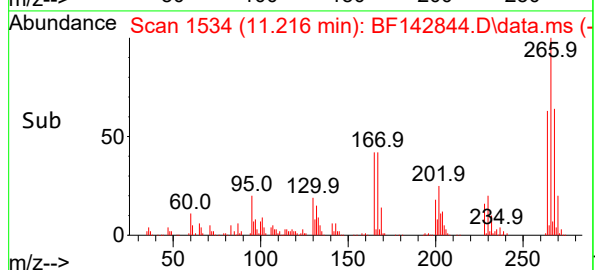
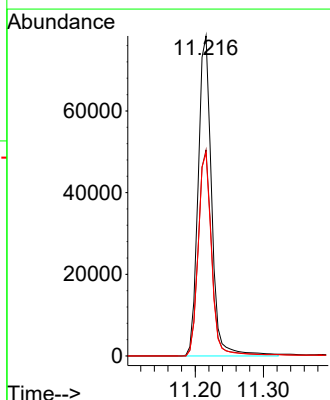
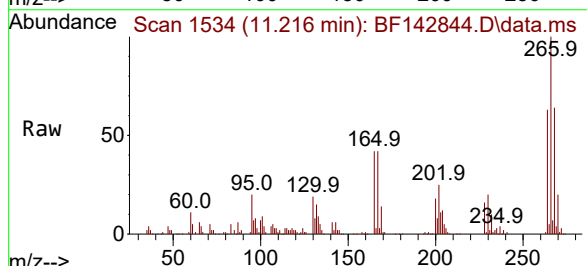
Tgt Ion:266 Resp: 107461

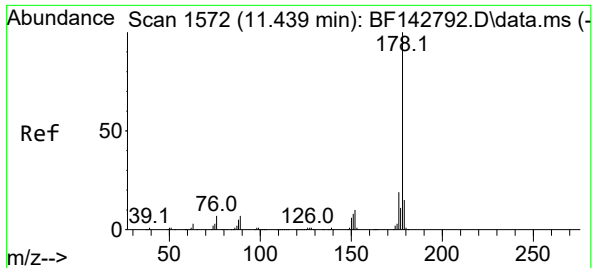
Ion Ratio Lower Upper

266 100

268 64.4 49.8 74.8

264 63.4 49.9 74.9

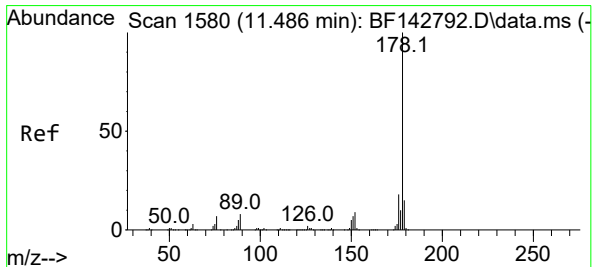
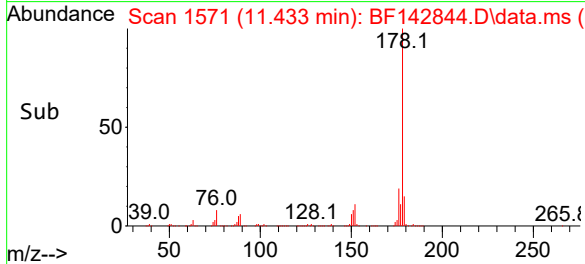
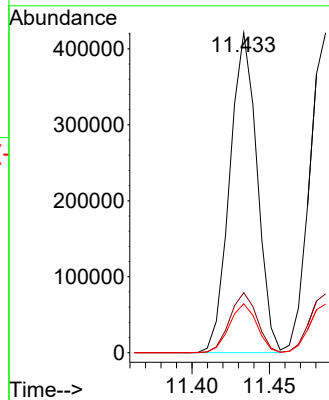
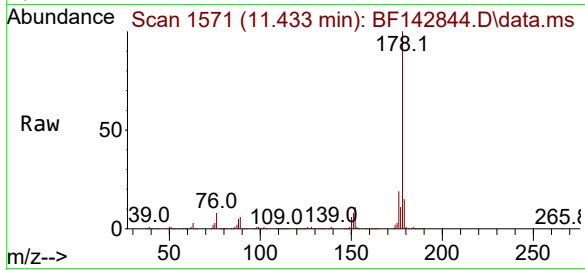




#71
Phenanthrene
Concen: 43.915 ng
RT: 11.433 min Scan# 1572
Delta R.T. -0.006 min
Lab File: BF142844.D
Acq: 25 Jun 2025 18:35

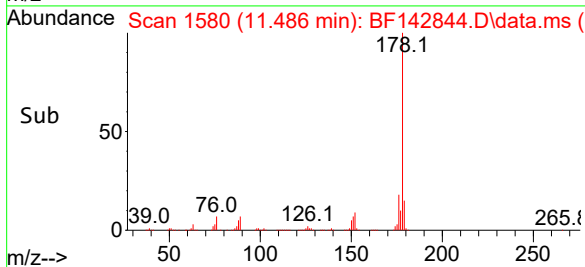
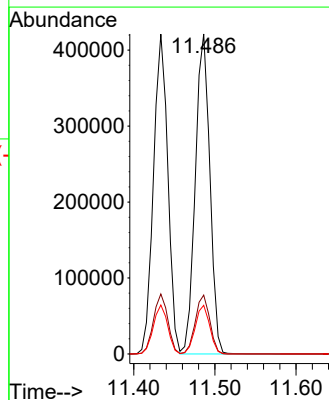
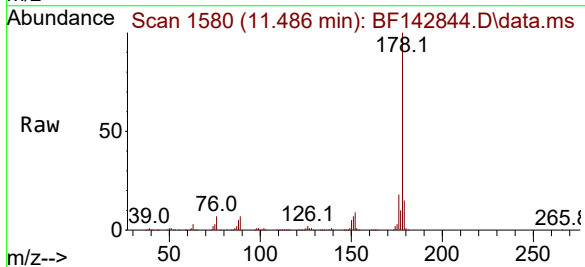
Instrument :
BNA_F
ClientSampleId :
MH-K/LMSD

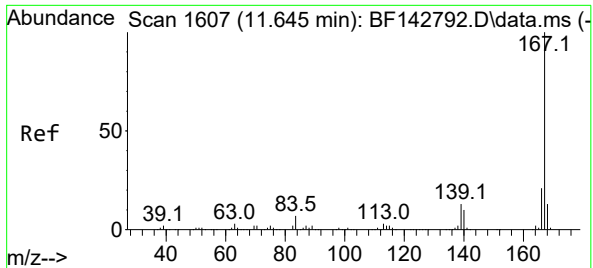
Tgt Ion:178 Resp: 515807
Ion Ratio Lower Upper
178 100
176 18.7 15.1 22.7
179 15.3 12.0 18.0



#72
Anthracene
Concen: 43.570 ng
RT: 11.486 min Scan# 1580
Delta R.T. 0.000 min
Lab File: BF142844.D
Acq: 25 Jun 2025 18:35

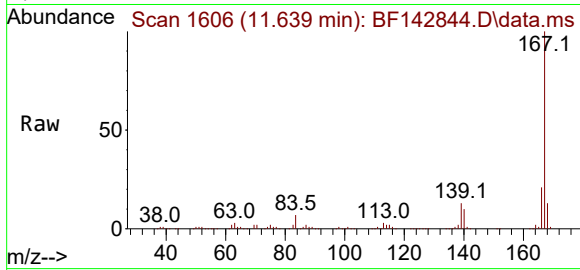
Tgt Ion:178 Resp: 524846
Ion Ratio Lower Upper
178 100
176 18.4 14.6 21.8
179 15.2 12.4 18.6



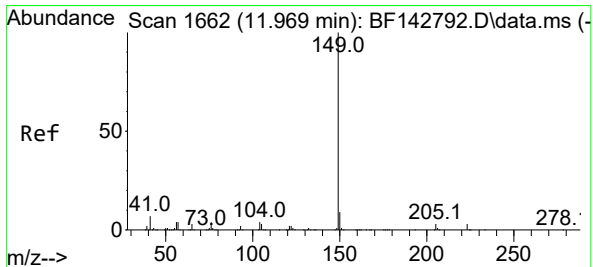
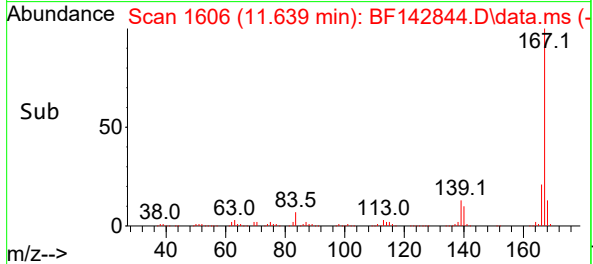
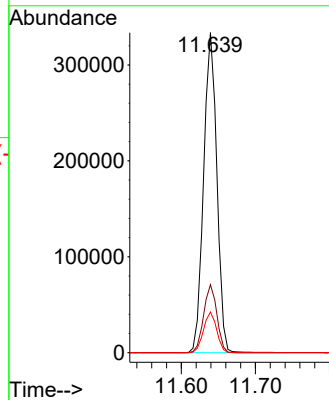


#73
Carbazole
Concen: 39.785 ng
RT: 11.639 min Scan# 1606
Delta R.T. -0.006 min
Lab File: BF142844.D
Acq: 25 Jun 2025 18:35

Instrument :
BNA_F
ClientSampleId :
MH-K/LMSD

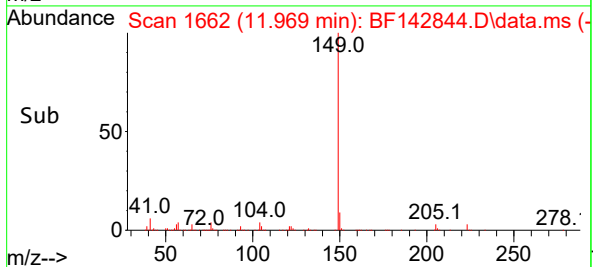
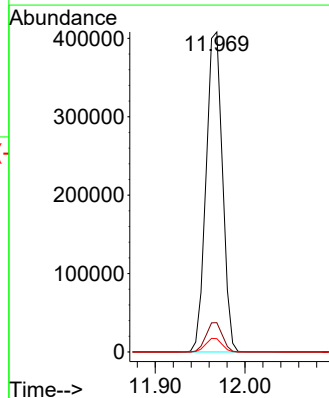
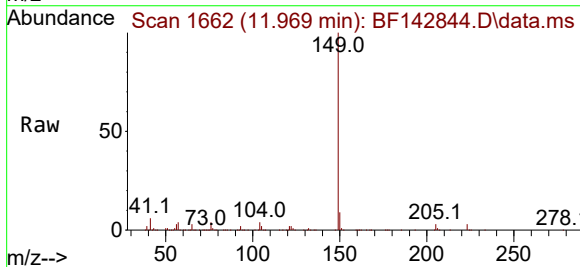


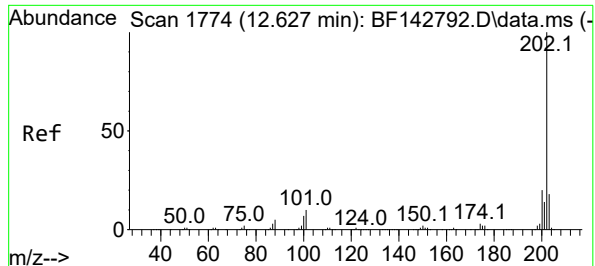
Tgt Ion:167 Resp: 413578
Ion Ratio Lower Upper
167 100
166 21.2 17.0 25.4
139 12.7 10.2 15.2



#74
Di-n-butylphthalate
Concen: 47.783 ng
RT: 11.969 min Scan# 1662
Delta R.T. 0.000 min
Lab File: BF142844.D
Acq: 25 Jun 2025 18:35

Tgt Ion:149 Resp: 517455
Ion Ratio Lower Upper
149 100
150 9.1 7.4 11.0
104 4.2 3.5 5.3





#75

Fluoranthene

Concen: 38.426 ng

RT: 12.622 min Scan# 1

Delta R.T. -0.006 min

Lab File: BF142844.D

Acq: 25 Jun 2025 18:35

Instrument :

BNA_F

ClientSampleId :

MH-K/LMSD

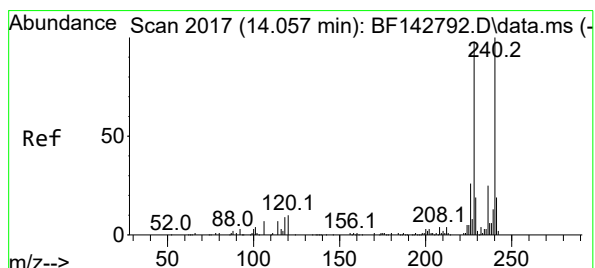
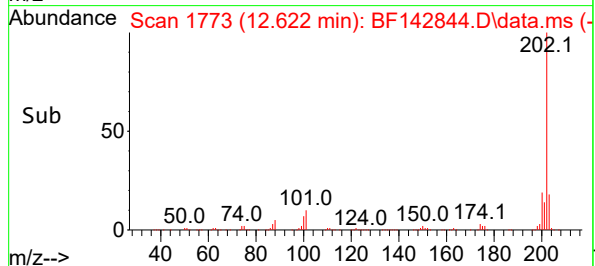
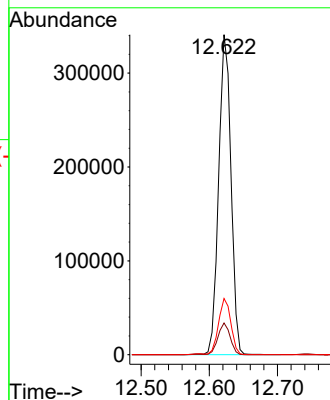
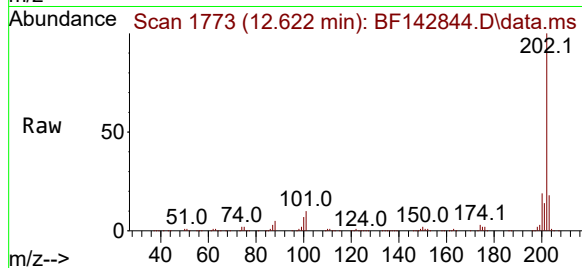
Tgt Ion:202 Resp: 428340

Ion Ratio Lower Upper

202 100

101 9.9 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: BF142844.D

Acq: 25 Jun 2025 18:35

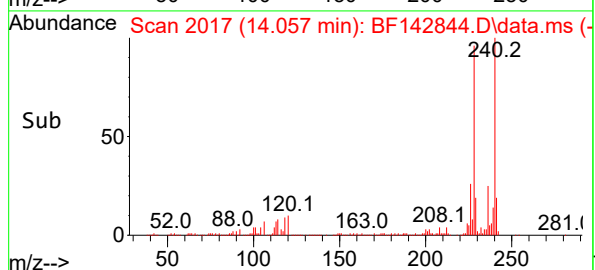
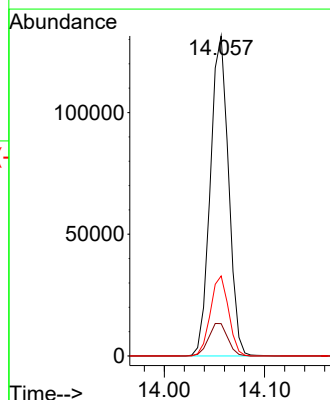
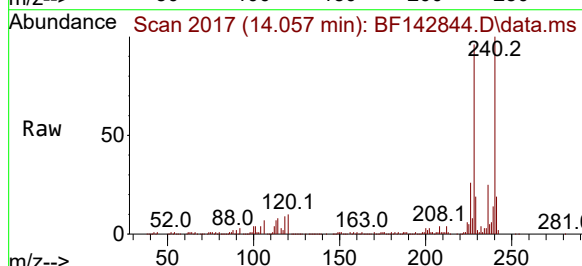
Tgt Ion:240 Resp: 166084

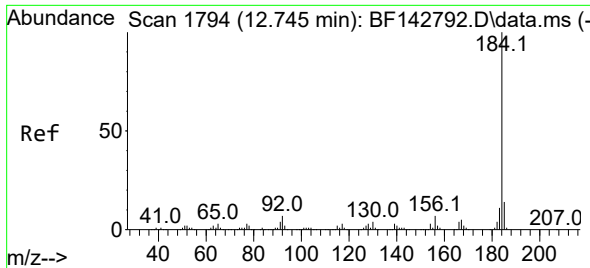
Ion Ratio Lower Upper

240 100

120 10.1 8.2 12.2

236 25.0 19.8 29.8





#77

Benzidine

Concen: 27.695 ng

RT: 12.745 min Scan# 11

Delta R.T. 0.000 min

Lab File: BF142844.D

Acq: 25 Jun 2025 18:35

Instrument :

BNA_F

ClientSampleId :

MH-K/LMSD

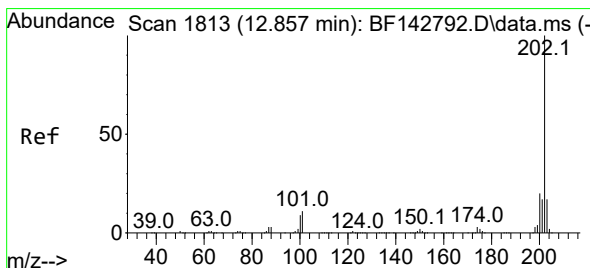
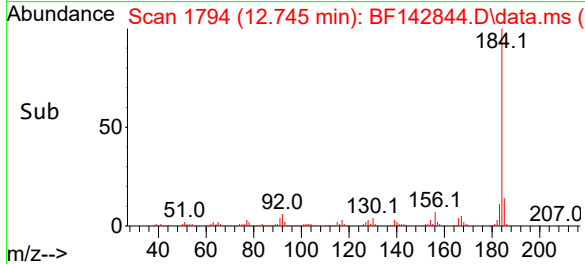
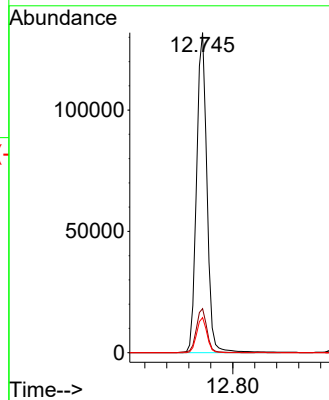
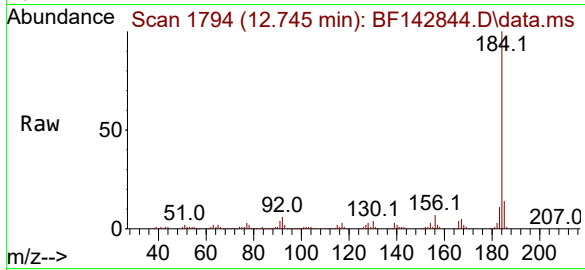
Tgt Ion:184 Resp: 172817

Ion Ratio Lower Upper

184 100

185 13.8 11.5 17.3

183 10.9 9.0 13.4



#78

Pyrene

Concen: 28.137 ng

RT: 12.851 min Scan# 1812

Delta R.T. -0.006 min

Lab File: BF142844.D

Acq: 25 Jun 2025 18:35

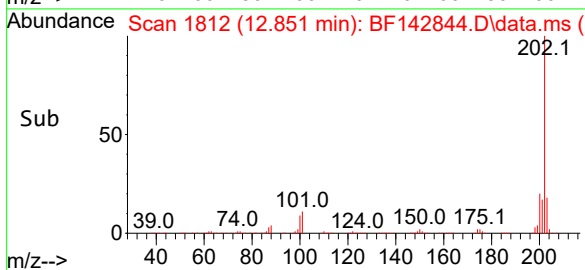
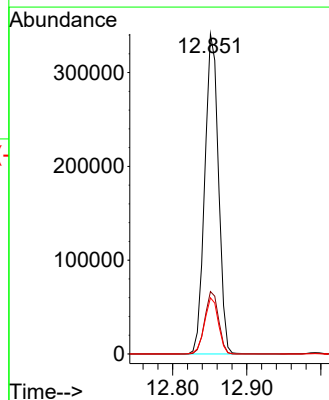
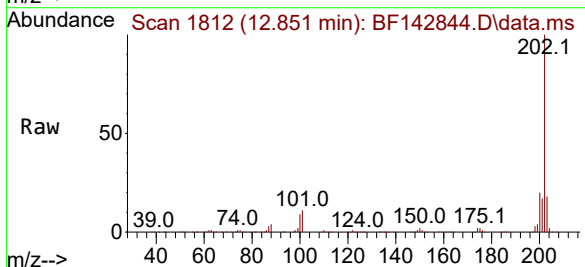
Tgt Ion:202 Resp: 438025

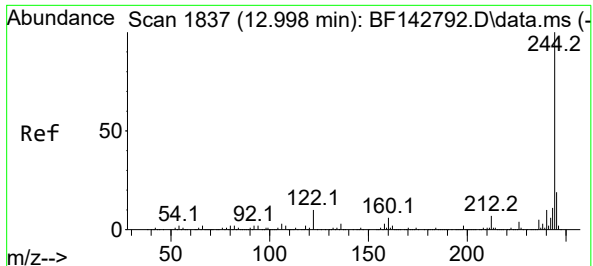
Ion Ratio Lower Upper

202 100

200 19.5 15.7 23.5

203 17.5 13.8 20.6





#79

Terphenyl-d14

Concen: 39.857 ng

RT: 12.992 min Scan# 1836

Delta R.T. -0.006 min

Lab File: BF142844.D

Acq: 25 Jun 2025 18:35

Instrument :

BNA_F

ClientSampleId :

MH-K/LMSD

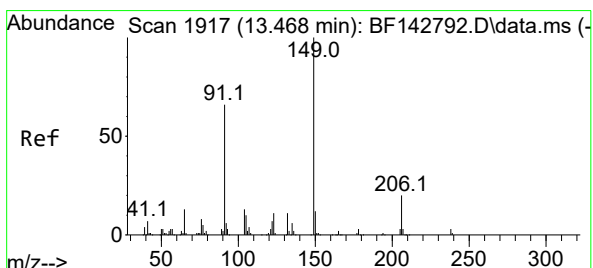
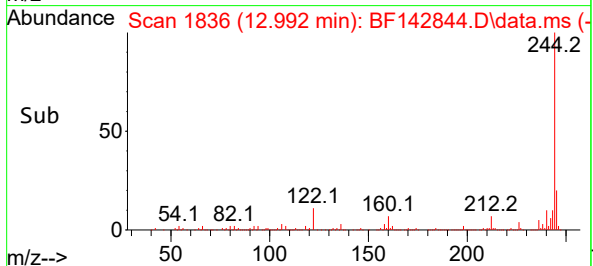
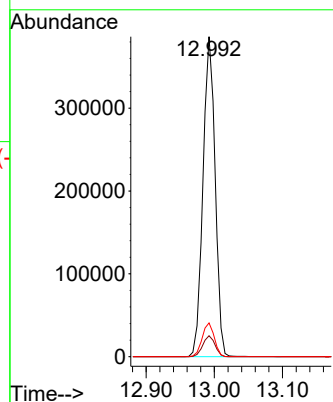
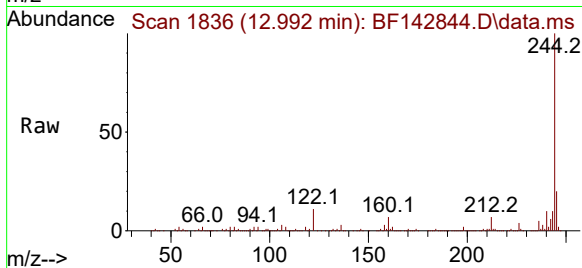
Tgt Ion:244 Resp: 479096

Ion Ratio Lower Upper

244 100

212 6.6 5.4 8.0

122 10.5 8.2 12.2



#80

Butylbenzylphthalate

Concen: 42.349 ng

RT: 13.469 min Scan# 1917

Delta R.T. 0.000 min

Lab File: BF142844.D

Acq: 25 Jun 2025 18:35

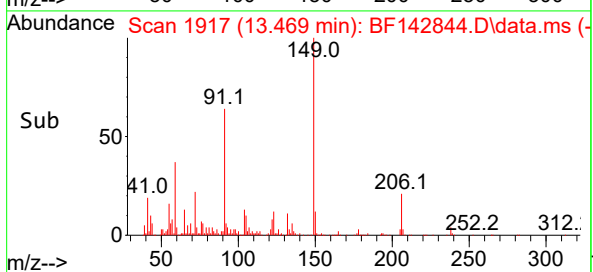
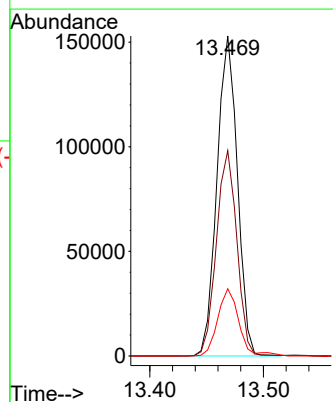
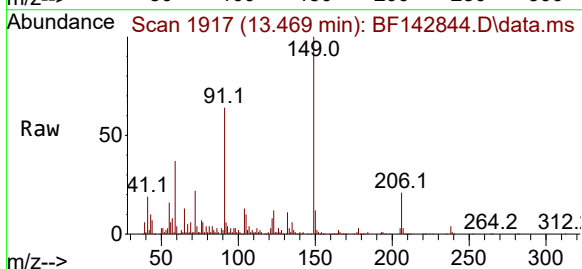
Tgt Ion:149 Resp: 191237

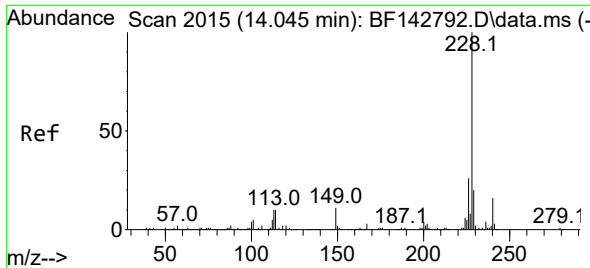
Ion Ratio Lower Upper

149 100

91 64.1 52.9 79.3

206 21.0 16.3 24.5

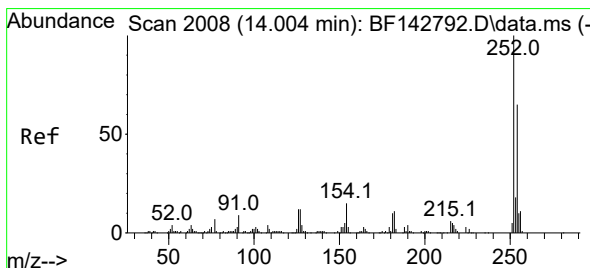
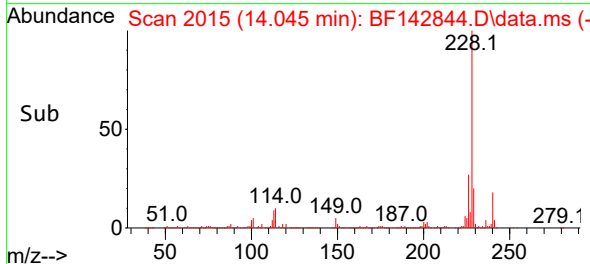
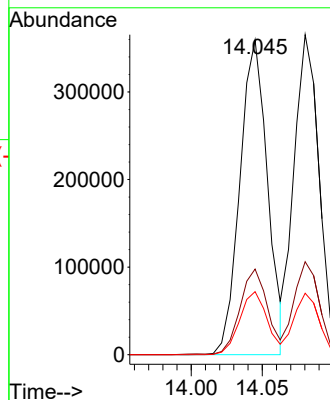
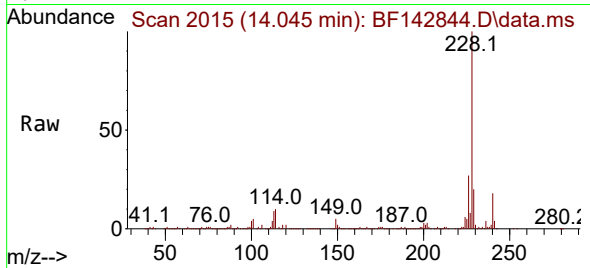




#81
Benzo(a)anthracene
Concen: 43.382 ng
RT: 14.045 min Scan# 2015
Delta R.T. 0.000 min
Lab File: BF142844.D
Acq: 25 Jun 2025 18:35

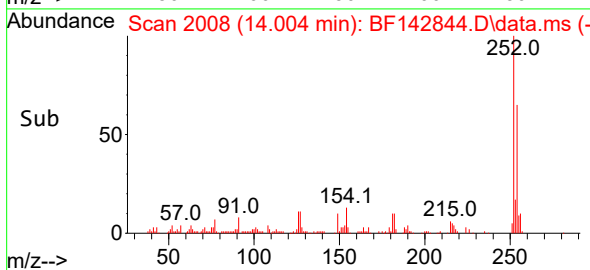
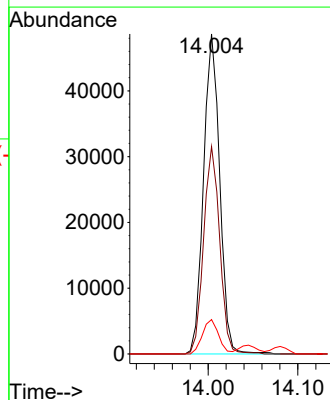
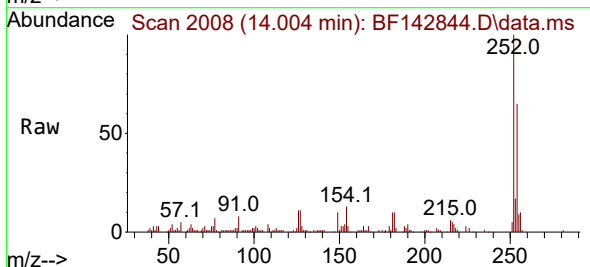
Instrument :
BNA_F
ClientSampleId :
MH-K/LMSD

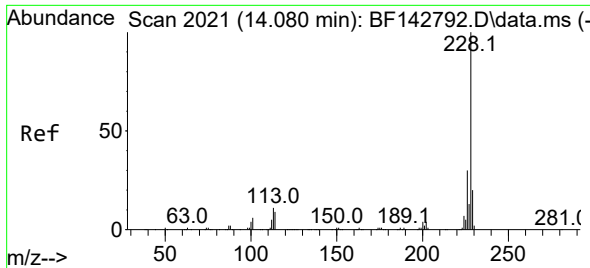
Tgt Ion:228 Resp: 486056
Ion Ratio Lower Upper
228 100
226 27.2 21.2 31.8
229 20.0 15.6 23.4



#82
3,3'-Dichlorobenzidine
Concen: 16.737 ng
RT: 14.004 min Scan# 2008
Delta R.T. 0.000 min
Lab File: BF142844.D
Acq: 25 Jun 2025 18:35

Tgt Ion:252 Resp: 60826
Ion Ratio Lower Upper
252 100
254 64.8 51.7 77.5
126 10.7 9.4 14.2

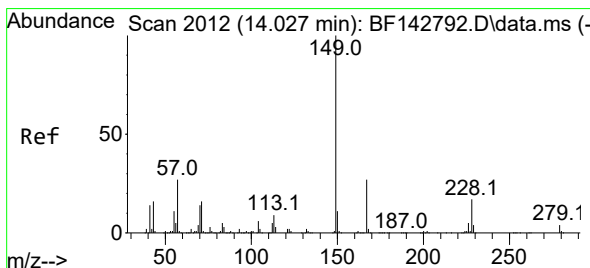
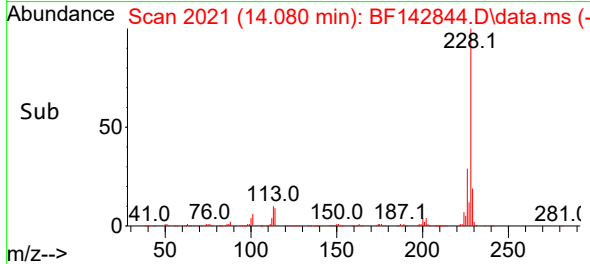
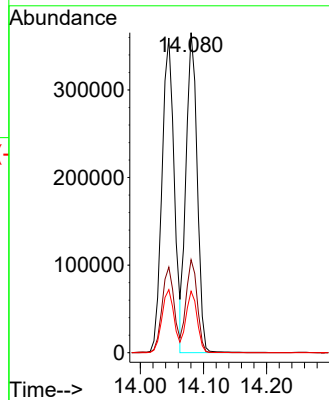
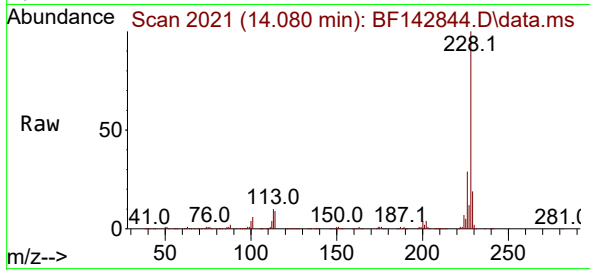




#83
Chrysene
Concen: 44.850 ng
RT: 14.080 min Scan# 2021
Delta R.T. 0.000 min
Lab File: BF142844.D
Acq: 25 Jun 2025 18:35

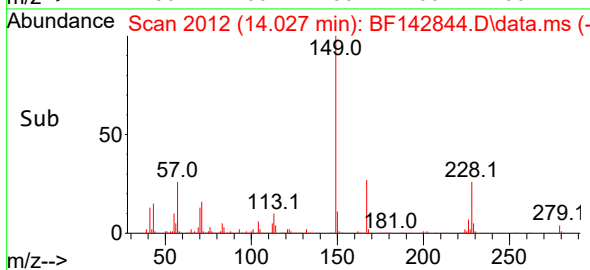
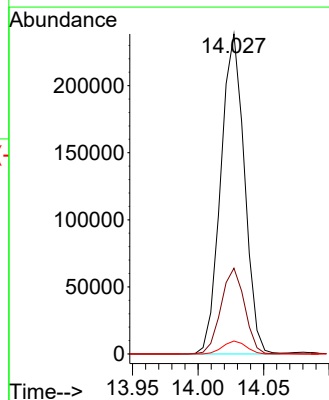
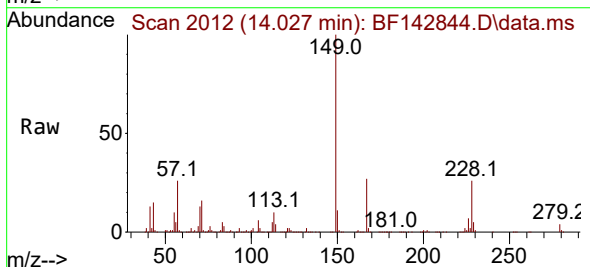
Instrument :
BNA_F
ClientSampleId :
MH-K/LMSD

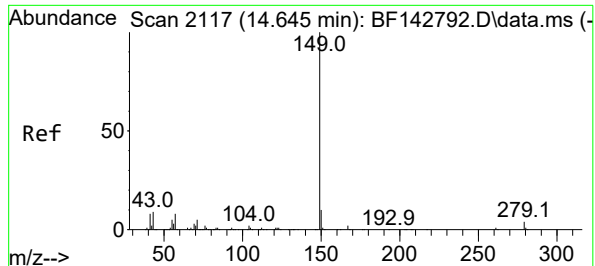
Tgt Ion:228 Resp: 448397
Ion Ratio Lower Upper
228 100
226 29.1 23.7 35.5
229 19.2 15.7 23.5



#84
Bis(2-ethylhexyl)phthalate
Concen: 46.105 ng
RT: 14.027 min Scan# 2012
Delta R.T. 0.000 min
Lab File: BF142844.D
Acq: 25 Jun 2025 18:35

Tgt Ion:149 Resp: 299554
Ion Ratio Lower Upper
149 100
167 26.8 21.4 32.0
279 4.1 3.0 4.6





#85

Di-n-octyl phthalate

Concen: 46.568 ng

RT: 14.645 min Scan# 2117

Delta R.T. 0.000 min

Lab File: BF142844.D

Acq: 25 Jun 2025 18:35

Instrument :

BNA_F

ClientSampleId :

MH-K/LMSD

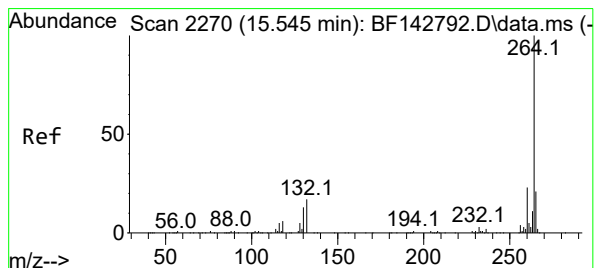
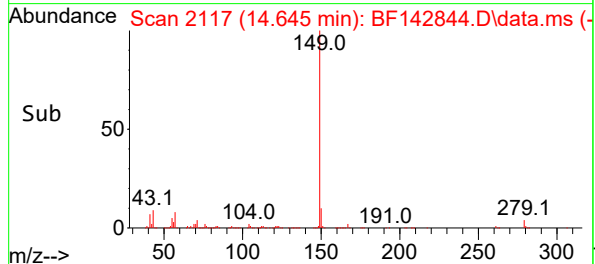
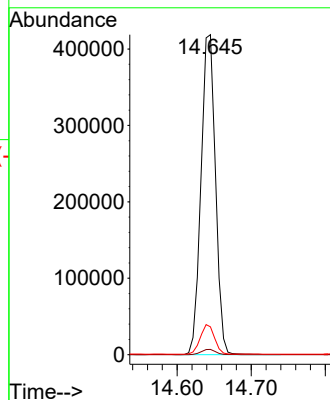
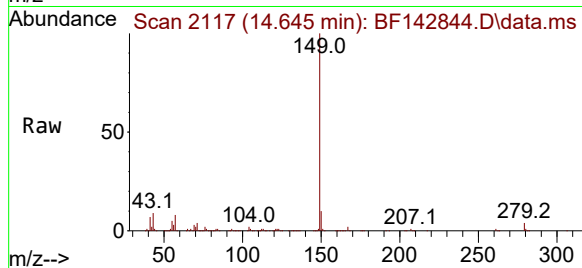
Tgt Ion:149 Resp: 570522

Ion Ratio Lower Upper

149 100

167 1.7 1.3 1.9

43 9.0 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: BF142844.D

Acq: 25 Jun 2025 18:35

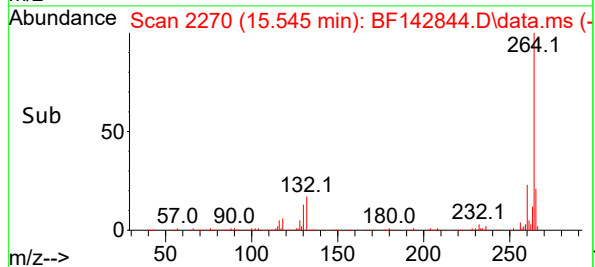
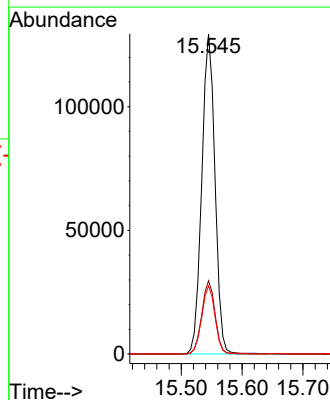
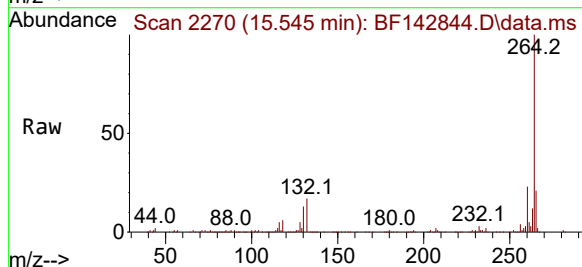
Tgt Ion:264 Resp: 195276

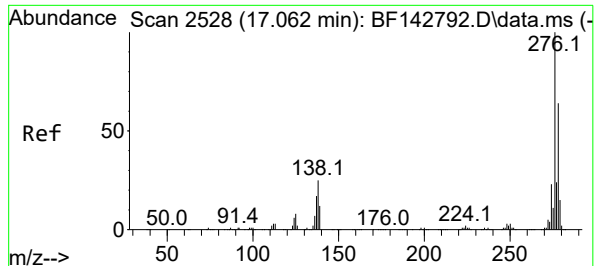
Ion Ratio Lower Upper

264 100

260 22.9 18.1 27.1

265 21.2 16.6 25.0





#87

Indeno(1,2,3-cd)pyrene

Concen: 24.875 ng

RT: 17.057 min Scan# 2196

Delta R.T. -0.006 min

Lab File: BF142844.D

Acq: 25 Jun 2025 18:35

Instrument :

BNA_F

ClientSampleId :

MH-K/LMSD

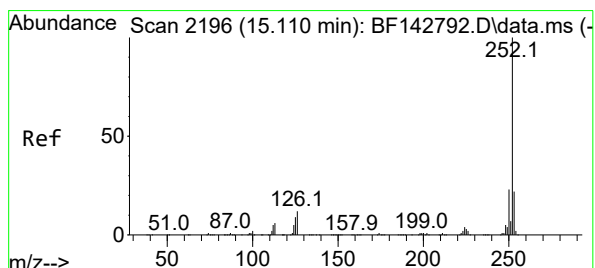
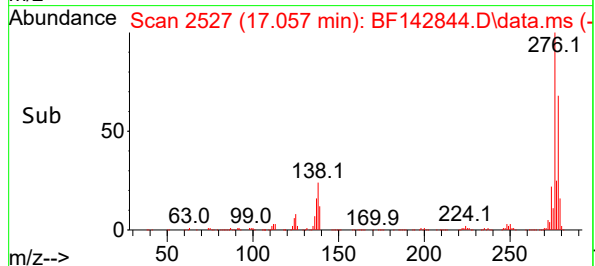
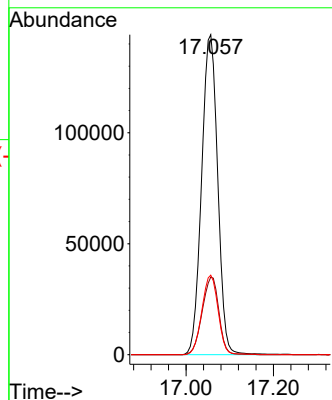
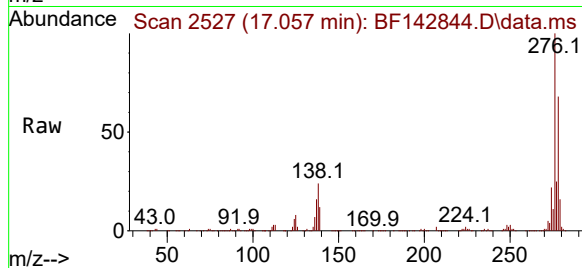
Tgt Ion:276 Resp: 369992

Ion Ratio Lower Upper

276 100

138 25.1 20.2 30.4

277 25.1 19.8 29.6



#88

Benzo(b)fluoranthene

Concen: 47.074 ng

RT: 15.110 min Scan# 2196

Delta R.T. 0.000 min

Lab File: BF142844.D

Acq: 25 Jun 2025 18:35

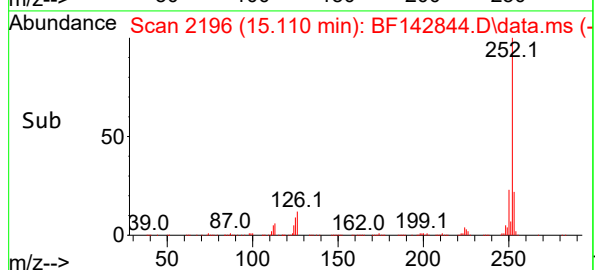
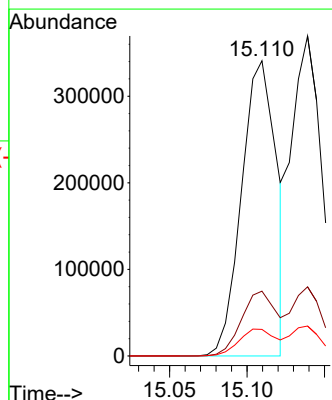
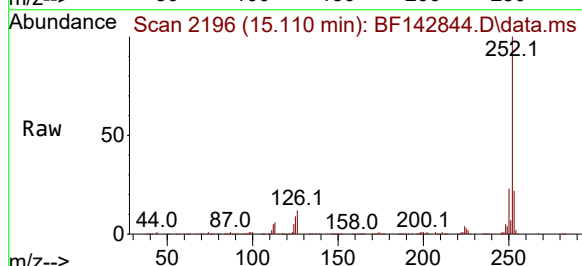
Tgt Ion:252 Resp: 531909

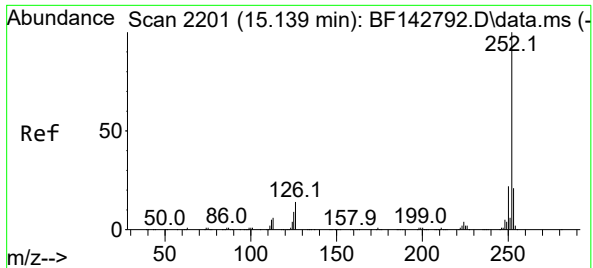
Ion Ratio Lower Upper

252 100

253 21.9 17.5 26.3

125 9.0 7.4 11.0





#89

Benzo(k)fluoranthene

Concen: 47.917 ng

RT: 15.139 min Scan# 21

Delta R.T. 0.000 min

Lab File: BF142844.D

Acq: 25 Jun 2025 18:35

Instrument :

BNA_F

ClientSampleId :

MH-K/LMSD

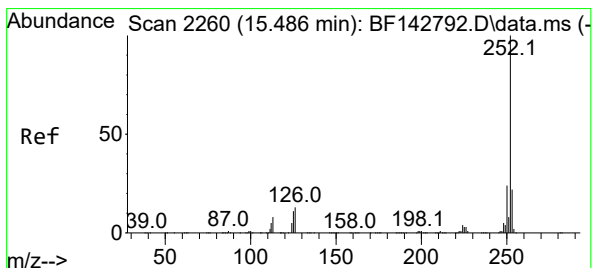
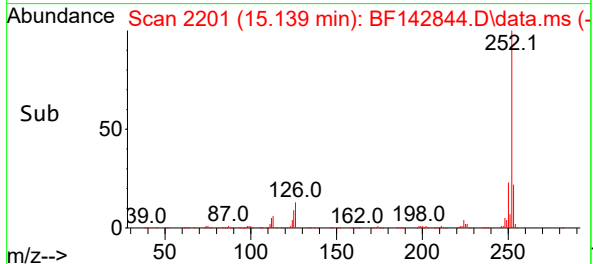
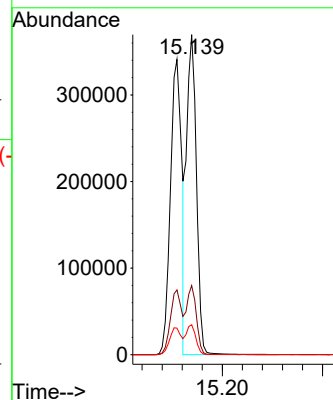
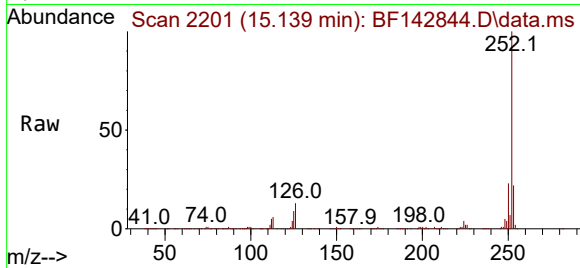
Tgt Ion:252 Resp: 506561

Ion Ratio Lower Upper

252 100

253 21.6 17.2 25.8

125 9.4 7.4 11.2



#90

Benzo(a)pyrene

Concen: 44.854 ng

RT: 15.486 min Scan# 2260

Delta R.T. 0.000 min

Lab File: BF142844.D

Acq: 25 Jun 2025 18:35

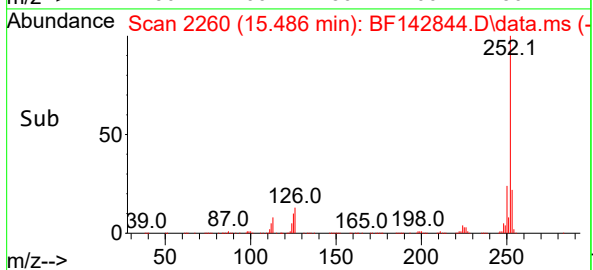
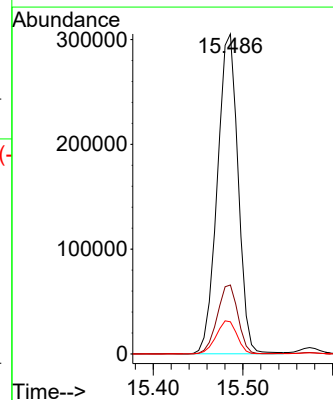
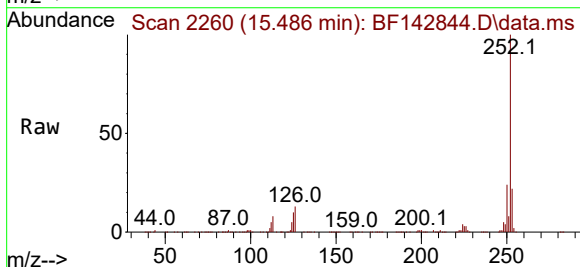
Tgt Ion:252 Resp: 489635

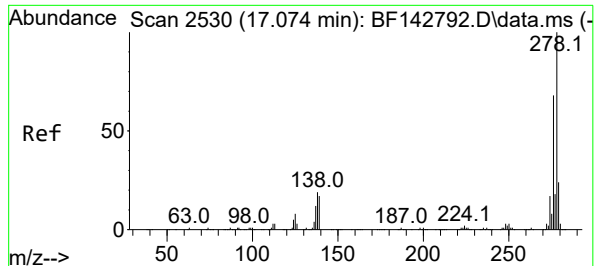
Ion Ratio Lower Upper

252 100

253 21.5 17.5 26.3

125 10.0 8.6 12.8





#91

Dibenzo(a,h)anthracene

Concen: 24.970 ng

RT: 17.068 min Scan# 21

Delta R.T. -0.006 min

Lab File: BF142844.D

Acq: 25 Jun 2025 18:35

Instrument :

BNA_F

ClientSampleId :

MH-K/LMSD

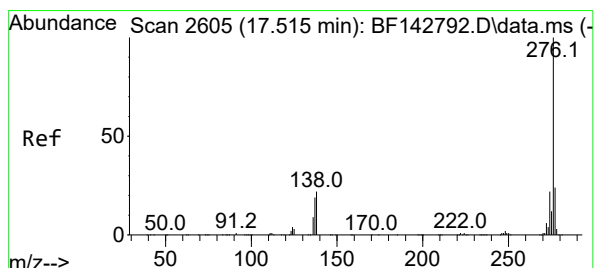
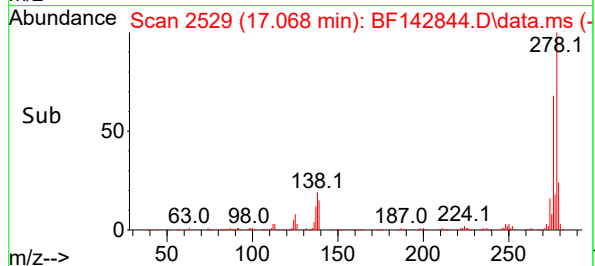
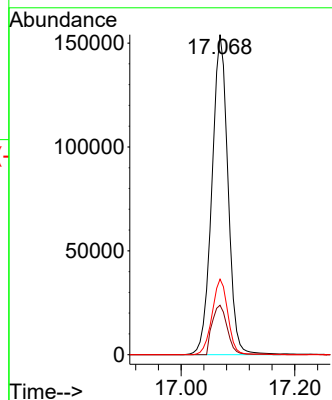
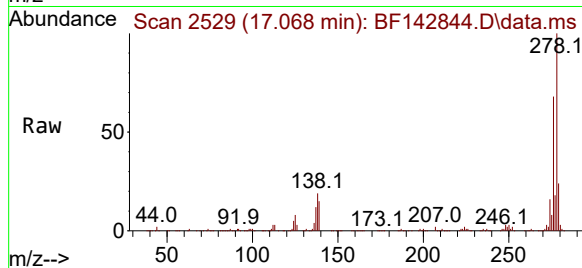
Tgt Ion:278 Resp: 301769

Ion Ratio Lower Upper

278 100

139 15.4 13.5 20.3

279 23.6 18.8 28.2



#92

Benzo(g,h,i)perylene

Concen: 21.566 ng

RT: 17.509 min Scan# 2604

Delta R.T. -0.006 min

Lab File: BF142844.D

Acq: 25 Jun 2025 18:35

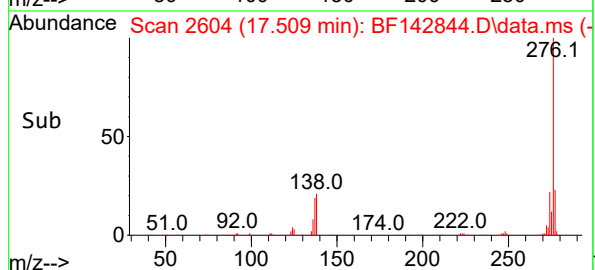
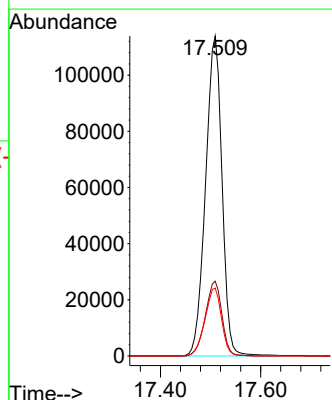
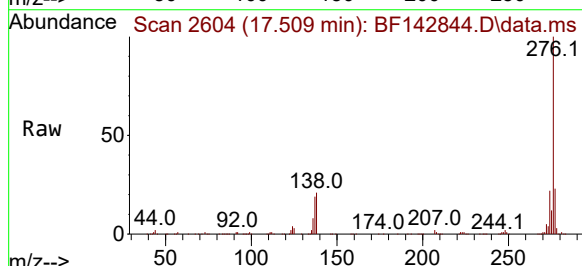
Tgt Ion:276 Resp: 259891

Ion Ratio Lower Upper

276 100

277 23.4 18.8 28.2

138 21.2 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

Manual Integration Report

Sequence:

bf062425

Instrument

BNA_f

Sample ID	File ID	Parameter	Review By	Review On	Supervised By	Supervised On	Reason
Q2393-05	BF142824.D	Benzo(b)fluoranthene	Rahul	6/25/2025 8:47:04 AM	Jagrut	6/25/2025 11:18:44 AM	Peak Integrated by Software
Q2393-07	BF142825.D	Benzo(b)fluoranthene	Rahul	6/25/2025 8:47:07 AM	Jagrut	6/25/2025 11:18:47 AM	Peak Integrated by Software
Q2393-07	BF142825.D	Benzo(k)fluoranthene	Rahul	6/25/2025 8:47:07 AM	Jagrut	6/25/2025 11:18:47 AM	Peak Integrated by Software
Q2393-09	BF142826.D	Benzo(b)fluoranthene	Rahul	6/25/2025 8:47:11 AM	Jagrut	6/25/2025 11:18:50 AM	Peak Integrated by Software



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Manual Integration Report

Sequence:	BF062525	Instrument	BNA_f

Sample ID	File ID	Parameter	Review By	Review On	Supervised By	Supervised On	Reason
SSTDCCC040	BF142834.D	2,4-Dimethylphenol	Rahul	6/26/2025 9:13:56 AM	Jagrut	6/26/2025 10:47:47 AM	Peak Integrated by Software

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	SSTDICC040	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 # BF062425

Review By	Rahul	Review On	6/25/2025 10:47:43 AM
Supervise By	Jagrut	Supervise On	6/25/2025 11:19:22 AM
SubDirectory	BF062425	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	S12671,10ul/1000ul sample		
ICV/I.BLK	SP6770		
Surrogate Standard			
MS/MSD Standard			
LCS Standard			

Sr#	SampleId	Data File Name	Date-Time	Operator	Status
1	DFTPP	BF142810.D	24 Jun 2025 09:46	RC/JU	Ok
2	SSTDCCC040	BF142811.D	24 Jun 2025 10:16	RC/JU	Ok
3	PB168582BL	BF142812.D	24 Jun 2025 10:46	RC/JU	Ok
4	PB168582BS	BF142813.D	24 Jun 2025 11:17	RC/JU	Ok,M
5	Q2388-01	BF142814.D	24 Jun 2025 11:51	RC/JU	Ok
6	Q2380-01	BF142815.D	24 Jun 2025 12:22	RC/JU	Ok,M
7	Q2380-03	BF142816.D	24 Jun 2025 12:53	RC/JU	Ok,M
8	Q2381-01	BF142817.D	24 Jun 2025 13:24	RC/JU	Ok,M
9	Q2381-05	BF142818.D	24 Jun 2025 13:54	RC/JU	Ok,M
10	Q2385-01	BF142819.D	24 Jun 2025 14:57	RC/JU	Ok
11	Q2372-01	BF142820.D	24 Jun 2025 15:28	RC/JU	Ok
12	Q2386-01	BF142821.D	24 Jun 2025 15:59	RC/JU	Dilution
13	Q2392-01	BF142822.D	24 Jun 2025 16:30	RC/JU	Ok
14	Q2393-11	BF142823.D	24 Jun 2025 17:01	RC/JU	Ok
15	Q2393-05	BF142824.D	24 Jun 2025 17:33	RC/JU	Ok,M
16	Q2393-07	BF142825.D	24 Jun 2025 18:03	RC/JU	Ok,M
17	Q2393-09	BF142826.D	24 Jun 2025 18:34	RC/JU	Ok,M
18	Q2398-06	BF142827.D	24 Jun 2025 19:05	RC/JU	Ok,M
19	Q2398-03	BF142828.D	24 Jun 2025 19:36	RC/JU	Ok,M
20	Q2381-03	BF142829.D	24 Jun 2025 20:07	RC/JU	Ok,M
21	Q2380-05	BF142830.D	24 Jun 2025 20:38	RC/JU	Ok,M

Instrument ID: **BNA_F**

Daily Analysis Runlog For Sequence/QC Batch ID # BF062425

Review By	Rahul	Review On	6/25/2025 10:47:43 AM		
Supervise By	Jagrut	Supervise On	6/25/2025 11:19:22 AM		
SubDirectory	BF062425	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		S12671,10ul/1000ul sample			
ICV/I.BLK		SP6770			
Surrogate Standard					
MS/MSD Standard					
LCS Standard					

22	Q2384-01	BF142831.D	24 Jun 2025 21:08	RC/JU	Ok,M
23	Q2383-01	BF142832.D	24 Jun 2025 21:38	RC/JU	Ok

M : Manual Integration

Instrument ID: **BNA_F**

Daily Analysis Runlog For Sequence/QC Batch ID # BF062525

Review By	Rahul	Review On	6/26/2025 9:14:40 AM
Supervise By	Jagrut	Supervise On	6/26/2025 10:48:09 AM
SubDirectory	BF062525	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	S12671,10ul/1000ul sample		
ICV/I.BLK	SP6770		
Surrogate Standard			
MS/MSD Standard			
LCS Standard			

Sr#	SampleId	Data File Name	Date-Time	Operator	Status
1	DFTPP	BF142833.D	25 Jun 2025 12:17	RC/JU	Ok
2	SSTDCCC040	BF142834.D	25 Jun 2025 13:25	RC/JU	Ok,M
3	PB168592BL	BF142835.D	25 Jun 2025 13:55	RC/JU	Ok
4	PB168592BS	BF142836.D	25 Jun 2025 14:25	RC/JU	Ok,M
5	PB168592BSD	BF142837.D	25 Jun 2025 14:55	RC/JU	Ok,M
6	PB168601BL	BF142838.D	25 Jun 2025 15:26	RC/JU	Ok
7	PB168601BS	BF142839.D	25 Jun 2025 15:57	RC/JU	Ok
8	Q2393-01	BF142840.D	25 Jun 2025 16:32	RC/JU	Ok
9	Q2393-03	BF142841.D	25 Jun 2025 17:02	RC/JU	Ok
10	Q2394-01	BF142842.D	25 Jun 2025 17:33	RC/JU	Ok
11	Q2394-01MS	BF142843.D	25 Jun 2025 18:04	RC/JU	Ok
12	Q2394-01MSD	BF142844.D	25 Jun 2025 18:35	RC/JU	Ok
13	Q2386-02	BF142845.D	25 Jun 2025 19:06	RC/JU	Ok
14	Q2386-02MS	BF142846.D	25 Jun 2025 19:37	RC/JU	Ok
15	Q2386-02MSD	BF142847.D	25 Jun 2025 20:07	RC/JU	Ok
16	Q2388-04	BF142848.D	25 Jun 2025 20:38	RC/JU	Ok
17	Q2389-04	BF142849.D	25 Jun 2025 21:09	RC/JU	Ok
18	Q2399-01	BF142850.D	25 Jun 2025 21:40	RC/JU	Ok
19	Q2399-05	BF142851.D	25 Jun 2025 22:10	RC/JU	Ok
20	Q2386-01DL	BF142852.D	25 Jun 2025 22:41	RC/JU	Dilution
21	Q2386-01DL2	BF142853.D	25 Jun 2025 23:11	RC/JU	Ok,M

Instrument ID: **BNA_F**

Daily Analysis Runlog For Sequence/QC Batch ID # BF062525

Review By	Rahul	Review On	6/26/2025 9:14:40 AM		
Supervise By	Jagrut	Supervise On	6/26/2025 10:48:09 AM		
SubDirectory	BF062525	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		S12671,10ul/1000ul sample			
ICV/I.BLK		SP6770			
Surrogate Standard					
MS/MSD Standard					
LCS Standard					

22	Q2412-01	BF142854.D	25 Jun 2025 23:41	RC/JU	Ok,M
23	Q2403-03	BF142855.D	26 Jun 2025 00:12	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	SSTDICC040	SSTDICC040	BF142792.D	19 Jun 2025 19:09	Calibration is Good for 8270 E, 8270 DOD and 625.1 methods.	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 # BF062425

Review By	Rahul	Review On	6/25/2025 10:47:43 AM
Supervise By	Jagrut	Supervise On	6/25/2025 11:19:22 AM
SubDirectory	BF062425	HP Acquire Method	BNA_F
		HP Processing Method	bf061925

STD. NAME	STD REF.#
Tune/Reschk Initial Calibration Stds	SP6757 SP6833,SP6834,SP6835,SP6836,SP6837,SP6838,SP6839,SP6840
CCC Internal Standard/PEM ICV/I.BLK Surrogate Standard MS/MSD Standard LCS Standard	SP6836 S12671,10ul/1000ul sample SP6770

Sr#	SampleID	ClientID	Data File Name	Date-Time	Comment	Operator	Status
1	DFTPP	DFTPP	BF142810.D	24 Jun 2025 09:46		RC/JU	Ok
2	SSTDCCC040	SSTDCCC040	BF142811.D	24 Jun 2025 10:16		RC/JU	Ok
3	PB168582BL	PB168582BL	BF142812.D	24 Jun 2025 10:46		RC/JU	Ok
4	PB168582BS	PB168582BS	BF142813.D	24 Jun 2025 11:17		RC/JU	Ok,M
5	Q2388-01	TP-12	BF142814.D	24 Jun 2025 11:51		RC/JU	Ok
6	Q2380-01	72-11948	BF142815.D	24 Jun 2025 12:22	Internal Standard Fail	RC/JU	Ok,M
7	Q2380-03	VNJ-211	BF142816.D	24 Jun 2025 12:53		RC/JU	Ok,M
8	Q2381-01	291431	BF142817.D	24 Jun 2025 13:24		RC/JU	Ok,M
9	Q2381-05	72-11929	BF142818.D	24 Jun 2025 13:54	Internal Standard Fail	RC/JU	Ok,M
10	Q2385-01	A5311	BF142819.D	24 Jun 2025 14:57		RC/JU	Ok
11	Q2372-01	GAV1W	BF142820.D	24 Jun 2025 15:28		RC/JU	Ok
12	Q2386-01	SU-1-062025	BF142821.D	24 Jun 2025 15:59	Internal Standard Fail, Run 10X Dilution and then decide further dilution	RC/JU	Dilution
13	Q2392-01	S-1	BF142822.D	24 Jun 2025 16:30		RC/JU	Ok
14	Q2393-11	PARK AVE -6	BF142823.D	24 Jun 2025 17:01		RC/JU	Ok
15	Q2393-05	PARK AVE -3	BF142824.D	24 Jun 2025 17:33		RC/JU	Ok,M
16	Q2393-07	PARK AVE -4	BF142825.D	24 Jun 2025 18:03		RC/JU	Ok,M
17	Q2393-09	PARK AVE -5	BF142826.D	24 Jun 2025 18:34		RC/JU	Ok,M

Instrument ID: BNA_F

Daily Analysis Runlog For Sequence/QC Batch ID # BF062425

Review By	Rahul	Review On	6/25/2025 10:47:43 AM		
Supervise By	Jagrut	Supervise On	6/25/2025 11:19:22 AM		
SubDirectory	BF062425	HP Acquire Method	BNA_F	HP Processing Method	bf061925

STD. NAME	STD REF.#
Tune/Reschk Initial Calibration Stds	SP6757 SP6833,SP6834,SP6835,SP6836,SP6837,SP6838,SP6839,SP6840
CCC Internal Standard/PEM ICV/I.BLK Surrogate Standard MS/MSD Standard LCS Standard	SP6836 S12671,10ul/1000ul sample SP6770

18	Q2398-06	ARS20-0036	BF142827.D	24 Jun 2025 19:05	Internal Standard Fail	RC/JU	Ok,M
19	Q2398-03	M00-25-0179	BF142828.D	24 Jun 2025 19:36	Internal Standard Fail	RC/JU	Ok,M
20	Q2381-03	VNJ-207	BF142829.D	24 Jun 2025 20:07		RC/JU	Ok,M
21	Q2380-05	RBR-200059	BF142830.D	24 Jun 2025 20:38		RC/JU	Ok,M
22	Q2384-01	OK-01-6202025	BF142831.D	24 Jun 2025 21:08		RC/JU	Ok,M
23	Q2383-01	RT-5376	BF142832.D	24 Jun 2025 21:38	Internal Standard Fail	RC/JU	Ok

M : Manual Integration

Instrument ID: BNA_F

Daily Analysis Runlog For Sequence/QC Batch ID # BF062525

Review By	Rahul	Review On	6/26/2025 9:14:40 AM
Supervise By	Jagrut	Supervise On	6/26/2025 10:48:09 AM
SubDirectory	BF062525	HP Acquire Method	BNA_F
		HP Processing Method	bf061925

STD. NAME	STD REF.#
Tune/Reschk Initial Calibration Stds	SP6757 SP6833,SP6834,SP6835,SP6836,SP6837,SP6838,SP6839,SP6840
CCC Internal Standard/PEM ICV/I.BLK Surrogate Standard MS/MSD Standard LCS Standard	SP6836 S12671,10ul/1000ul sample SP6770

Sr#	SampleID	ClientID	Data File Name	Date-Time	Comment	Operator	Status
1	DFTPP	DFTPP	BF142833.D	25 Jun 2025 12:17		RC/JU	Ok
2	SSTDCCC040	SSTDCCC040	BF142834.D	25 Jun 2025 13:25		RC/JU	Ok,M
3	PB168592BL	PB168592BL	BF142835.D	25 Jun 2025 13:55		RC/JU	Ok
4	PB168592BS	PB168592BS	BF142836.D	25 Jun 2025 14:25		RC/JU	Ok,M
5	PB168592BSD	PB168592BSD	BF142837.D	25 Jun 2025 14:55		RC/JU	Ok,M
6	PB168601BL	PB168601BL	BF142838.D	25 Jun 2025 15:26		RC/JU	Ok
7	PB168601BS	PB168601BS	BF142839.D	25 Jun 2025 15:57		RC/JU	Ok
8	Q2393-01	PARK AVE -1	BF142840.D	25 Jun 2025 16:32		RC/JU	Ok
9	Q2393-03	PARK AVE -2	BF142841.D	25 Jun 2025 17:02		RC/JU	Ok
10	Q2394-01	MH-K/L	BF142842.D	25 Jun 2025 17:33		RC/JU	Ok
11	Q2394-01MS	MH-K/LMS	BF142843.D	25 Jun 2025 18:04		RC/JU	Ok
12	Q2394-01MSD	MH-K/LMSD	BF142844.D	25 Jun 2025 18:35		RC/JU	Ok
13	Q2386-02	SU-1-062025	BF142845.D	25 Jun 2025 19:06		RC/JU	Ok
14	Q2386-02MS	SU-1-062025MS	BF142846.D	25 Jun 2025 19:37		RC/JU	Ok
15	Q2386-02MSD	SU-1-062025MSD	BF142847.D	25 Jun 2025 20:07		RC/JU	Ok
16	Q2388-04	TP-12	BF142848.D	25 Jun 2025 20:38		RC/JU	Ok
17	Q2389-04	MH-J-I	BF142849.D	25 Jun 2025 21:09		RC/JU	Ok
18	Q2399-01	TP-13	BF142850.D	25 Jun 2025 21:40		RC/JU	Ok

Instrument ID: BNA_F

Daily Analysis Runlog For Sequence/QC Batch ID # BF062525

Review By	Rahul	Review On	6/26/2025 9:14:40 AM		
Supervise By	Jagrut	Supervise On	6/26/2025 10:48:09 AM		
SubDirectory	BF062525	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		S12671,10ul/1000ul sample			
ICV/I.BLK		SP6770			
Surrogate Standard					
MS/MSD Standard					
LCS Standard					

19	Q2399-05	EP-7	BF142851.D	25 Jun 2025 22:10		RC/JU	Ok
20	Q2386-01DL	SU-1-062025DL	BF142852.D	25 Jun 2025 22:41	Need Further 5X Dilution	RC/JU	Dilution
21	Q2386-01DL2	SU-1-062025DL2	BF142853.D	25 Jun 2025 23:11		RC/JU	Ok,M
22	Q2412-01	TR-05-062425	BF142854.D	25 Jun 2025 23:41		RC/JU	Ok,M
23	Q2403-03	LAW-25-0093	BF142855.D	26 Jun 2025 00:12	Surrogate Failed.	RC/JU	Ok

M : Manual Integration



PERCENT SOLID

Supervisor: Iwona
Analyst: jignesh
Date: 6/25/2025

OVENTEMP IN Celsius(°C): 108
Time IN: 17:10
In Date: 06/24/2025
Weight Check 1.0g: 1.00
Weight Check 10g: 10.00
OvenID: M OVEN#1

OVENTEMP OUT Celsius(°C): 103
Time OUT: 08:15
Out Date: 06/25/2025
Weight Check 1.0g: 1.00
Weight Check 10g: 10.00
BalanceID: M SC-4
Thermometer ID: % SOLID- OVEN

QC:LB136243

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
Q2392-01	S-1	1	1.15	10.05	11.2	10.42	92.2	
Q2392-02	S-1A	2	1.18	10.49	11.67	10.97	93.3	
Q2393-01	PARK AVE -1	3	1.17	10.34	11.51	9.78	83.3	
Q2393-02	PARK AVE -1	4	1.15	10.07	11.22	9.4	81.9	
Q2393-03	PARK AVE -2	5	1.13	10.85	11.98	10.19	83.5	
Q2393-04	PARK AVE -2	6	1.19	10.26	11.45	9.55	81.5	
Q2393-05	PARK AVE -3	7	1.12	10.25	11.37	10.00	86.6	
Q2393-06	PARK AVE -3	8	1.15	10.84	11.99	10.5	86.3	
Q2393-07	PARK AVE -4	9	1.16	10.70	11.86	10.54	87.7	
Q2393-08	PARK AVE -4	10	1.19	9.86	11.05	9.84	87.7	
Q2393-09	PARK AVE -5	11	1.15	10.84	11.99	11.05	91.3	
Q2393-10	PARK AVE -5	12	1.15	9.95	11.1	9.95	88.4	
Q2393-11	PARK AVE -6	13	1.19	10.23	11.42	10.07	86.8	
Q2393-12	PARK AVE -6	14	1.17	10.52	11.69	10.4	87.7	
Q2394-01	MH-K/L	15	1.18	10.49	11.67	10.23	86.3	
Q2394-02	MH-K/L EPH	16	1.19	9.97	11.16	9.58	84.2	
Q2394-03	MH-K/L VOC	17	1.13	10.86	11.99	10.66	87.8	
Q2394-04	MH-K/L	18	1.18	10.49	11.67	10.23	86.3	
Q2396-01	245F53-1-1	19	1.00	1.00	2.00	2.00	100.0	oilc
Q2396-02	245F53-1-2	20	1.00	1.00	2.00	2.00	100.0	oilc
Q2396-03	LAW-25-1A	21	1.00	1.00	2.00	2.00	100.0	oilc
Q2396-04	LAW-25-1B	22	1.00	1.00	2.00	2.00	100.0	oilc
Q2396-05	LAW-25-2A	23	1.00	1.00	2.00	2.00	100.0	oilc
Q2396-06	LAW-25-2B	24	1.00	1.00	2.00	2.00	100.0	oilc
Q2396-07	LAW-25-3A	25	1.00	1.00	2.00	2.00	100.0	oilc
Q2396-08	LAW-25-3B	26	1.00	1.00	2.00	2.00	100.0	oilc
Q2398-01	M00-25-0169	27	1.00	1.00	2.00	2.00	100.0	oil sample
Q2398-03	M00-25-0179	28	1.19	10.07	11.26	7.63	64.0	

PERCENT SOLID

Supervisor: Iwona
Analyst: jignesh
Date: 6/25/2025

OVENTEMP IN Celsius(°C): 108
Time IN: 17:10
In Date: 06/24/2025
Weight Check 1.0g: 1.00
Weight Check 10g: 10.00
OvenID: M OVEN#1

OVENTEMP OUT Celsius(°C): 103
Time OUT: 08:15
Out Date: 06/25/2025
Weight Check 1.0g: 1.00
Weight Check 10g: 10.00
BalanceID: M SC-4
Thermometer ID: % SOLID- OVEN

QC:LB136243

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
Q2398-04	M00-25-0179-E2	29	1.19	10.25	11.44	7.68	63.3	
Q2398-06	ARS20-0036	30	1.19	10.53	11.72	10.47	88.1	
Q2398-07	ARS20-0036-E2	31	1.12	10.77	11.89	10.9	90.8	
Q2399-01	TP-13	32	1.13	10.84	11.97	10.27	84.3	
Q2399-02	TP-13-EPH	33	1.19	10.36	11.55	9.96	84.7	
Q2399-03	TP-13-VOC	34	1.15	10.84	11.99	10.36	85.0	
Q2399-04	TP-13	35	1.13	10.84	11.97	10.27	84.3	
Q2399-05	EP-7	36	1.19	10.47	11.66	10.37	87.7	
Q2399-06	EP-7-EPH	37	1.19	10.47	11.66	10.33	87.3	
Q2399-07	EP-7-VOC	38	1.16	10.57	11.73	10.38	87.2	
Q2399-08	EP-13	39	1.19	10.47	11.66	10.37	87.7	
Q2400-01	B-156-SB01	40	1.17	10.58	11.75	10.11	84.5	
Q2400-02	B-134-SB01	41	1.19	10.00	11.19	9.49	83.0	
Q2403-03	LAW-25-0093	42	1.18	10.24	11.42	10.54	91.4	
Q2403-04	LAW-25-0093-E2	43	1.18	10.14	11.32	10.42	91.1	
Q2403-05	Concrete-062325	44	1.15	10.84	11.99	11.71	97.4	
Q2403-07	ARS 20-006	45	1.19	10.44	11.63	11.13	95.2	
Q2403-08	ARS020-0006-E2	46	1.18	10.64	11.82	11.09	93.1	
Q2405-01	MH-M/H	47	1.19	10.11	11.3	10.37	90.8	
Q2405-02	MH-M/N-EPH	48	1.19	10.01	11.2	10.15	89.5	
Q2405-03	MH-M/N-VOC	49	1.11	10.71	11.82	10.9	91.4	
Q2406-01	PUMPING-PLANT	50	1.00	1.00	2.00	2.00	100.0	oil sample
Q2409-02	COP-SOIL-PILE	51	1.18	10.58	11.76	11.38	96.4	
Q2410-01	TRE-25-0021	52	1.00	1.00	2.00	2.00	100.0	debris
Q2411-01	TRE-2002	53	1.00	1.00	2.00	2.00	100.0	wipe sample
Q2412-01	TR-05-062425	54	1.18	10.08	11.26	10.94	96.8	
Q2412-02	TR-05-062425-E2	55	1.16	10.28	11.44	11.23	98.0	

$$\% \text{ Solid} = \frac{(C-A) * 100}{(B-A)}$$

WORKLIST(Hardcopy Internal Chain)

136243

WorkList Name : %1-062425

WorkList ID : 190342

Department : Wet-Chemistry

Date : 06-24-2025 08:17:18

Sample	Customer Sample	Matrix	Test	Preservative	Customer	Raw Sample Storage Location	Collect Date	Method
Q2392-01	S-1	Solid	Percent Solids	Cool 4 deg C	EARTH03	A41	06/23/2025	Chemtech -SO
Q2392-02	S-1A	Solid	Percent Solids	Cool 4 deg C	EARTH03	A41	06/23/2025	Chemtech -SO
Q2393-01	PARK AVE -1	Solid	Percent Solids	Cool 4 deg C	UNIO02	A22	06/23/2025	Chemtech -SO
Q2393-02	PARK AVE -1	Solid	Percent Solids	Cool 4 deg C	UNIO02	A22	06/23/2025	Chemtech -SO
Q2393-03	PARK AVE -2	Solid	Percent Solids	Cool 4 deg C	UNIO02	A22	06/23/2025	Chemtech -SO
Q2393-04	PARK AVE -2	Solid	Percent Solids	Cool 4 deg C	UNIO02	A22	06/23/2025	Chemtech -SO
Q2393-05	PARK AVE -3	Solid	Percent Solids	Cool 4 deg C	UNIO02	A22	06/23/2025	Chemtech -SO
Q2393-06	PARK AVE -3	Solid	Percent Solids	Cool 4 deg C	UNIO02	A22	06/23/2025	Chemtech -SO
Q2393-07	PARK AVE -4	Solid	Percent Solids	Cool 4 deg C	UNIO02	A22	06/23/2025	Chemtech -SO
Q2393-08	PARK AVE -4	Solid	Percent Solids	Cool 4 deg C	UNIO02	A22	06/23/2025	Chemtech -SO
Q2393-09	PARK AVE -5	Solid	Percent Solids	Cool 4 deg C	UNIO02	A22	06/23/2025	Chemtech -SO
Q2393-10	PARK AVE -5	Solid	Percent Solids	Cool 4 deg C	UNIO02	A22	06/23/2025	Chemtech -SO
Q2393-11	PARK AVE -6	Solid	Percent Solids	Cool 4 deg C	UNIO02	A22	06/23/2025	Chemtech -SO
Q2393-12	PARK AVE -6	Solid	Percent Solids	Cool 4 deg C	UNIO02	A22	06/23/2025	Chemtech -SO
Q2394-01	MH-K/L	Solid	Percent Solids	Cool 4 deg C	PSEG03	A21	06/23/2025	Chemtech -SO
Q2394-02	MH-K/L EPH	Solid	Percent Solids	Cool 4 deg C	PSEG03	A21	06/23/2025	Chemtech -SO
Q2394-03	MH-K/L VOC	Solid	Percent Solids	Cool 4 deg C	PSEG03	A21	06/23/2025	Chemtech -SO
Q2394-04	MH-K/L	Solid	Percent Solids	Cool 4 deg C	PSEG03	A21	06/23/2025	Chemtech -SO
Q2396-01	245F53-1-1	Solid	Percent Solids	Cool 4 deg C	PSEG03	A11	06/23/2025	Chemtech -SO
Q2396-02	245F53-1-2	Solid	Percent Solids	Cool 4 deg C	PSEG03	A11	06/23/2025	Chemtech -SO
Q2396-03	LAW-25-1A	Solid	Percent Solids	Cool 4 deg C	PSEG03	A11	06/23/2025	Chemtech -SO

Date/Time 06/24/25 15:10

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)

136243

WorkList Name : %1-062425

WorkList ID : 190342

Department : Wet-Chemistry

Date : 06-24-2025 08:17:18

Sample	Customer Sample	Matrix	Test	Preservative	Customer	Raw Sample Storage Location	Collect Date	Method
Q2396-04	LAW-25-1B	Solid	Percent Solids	Cool 4 deg C	PSEG03	A11	06/23/2025	Chemtech -SO
Q2396-05	LAW-25-2A	Solid	Percent Solids	Cool 4 deg C	PSEG03	A11	06/23/2025	Chemtech -SO
Q2396-06	LAW-25-2B	Solid	Percent Solids	Cool 4 deg C	PSEG03	A11	06/23/2025	Chemtech -SO
Q2396-07	LAW-25-3A	Solid	Percent Solids	Cool 4 deg C	PSEG03	A11	06/23/2025	Chemtech -SO
Q2396-08	LAW-25-3B	Solid	Percent Solids	Cool 4 deg C	PSEG03	A11	06/23/2025	Chemtech -SO
Q2398-01	M00-25-0169	Solid	Percent Solids	Cool 4 deg C	PSEG03	A33	06/23/2025	Chemtech -SO
Q2398-03	M00-25-0179	Solid	Percent Solids	Cool 4 deg C	PSEG03	A33	06/23/2025	Chemtech -SO
Q2398-04	M00-25-0179-E2	Solid	Percent Solids	Cool 4 deg C	PSEG03	A33	06/23/2025	Chemtech -SO
Q2398-06	ARS20-0036	Solid	Percent Solids	Cool 4 deg C	PSEG03	A33	06/23/2025	Chemtech -SO
Q2398-07	ARS20-0036-E2	Solid	Percent Solids	Cool 4 deg C	PSEG03	A33	06/23/2025	Chemtech -SO
Q2399-01	TP-13	Solid	Percent Solids	Cool 4 deg C	PSEG03	A41	06/23/2025	Chemtech -SO
Q2399-02	TP-13-EPH	Solid	Percent Solids	Cool 4 deg C	PSEG03	A41	06/23/2025	Chemtech -SO
Q2399-03	TP-13-VOC	Solid	Percent Solids	Cool 4 deg C	PSEG03	A41	06/23/2025	Chemtech -SO
Q2399-04	TP-13	Solid	Percent Solids	Cool 4 deg C	PSEG03	A41	06/23/2025	Chemtech -SO
Q2399-05	EP-7	Solid	Percent Solids	Cool 4 deg C	PSEG03	A41	06/23/2025	Chemtech -SO
Q2399-06	EP-7-EPH	Solid	Percent Solids	Cool 4 deg C	PSEG03	A41	06/23/2025	Chemtech -SO
Q2399-07	EP-7-VOC	Solid	Percent Solids	Cool 4 deg C	PSEG03	A41	06/23/2025	Chemtech -SO
Q2399-08	EP-13	Solid	Percent Solids	Cool 4 deg C	PSEG03	A41	06/23/2025	Chemtech -SO
Q2400-01	B-156-SB01	Solid	Percent Solids	Cool 4 deg C	PORT06	A42	06/23/2025	Chemtech -SO
Q2400-02	B-134-SB01	Solid	Percent Solids	Cool 4 deg C	PORT06	A42	06/23/2025	Chemtech -SO
Q2403-03	LAW-25-0093	Solid	Percent Solids	Cool 4 deg C	PSEG03	A32	06/23/2025	Chemtech -SO

Date/Time

Raw Sample Received by:

Raw Sample Relinquished by:

Date/Time

Raw Sample Received by:

Raw Sample Relinquished by:

WORKLIST(Hardcopy Internal Chain)

136243

WorkList Name : %1-062425

WorkList ID : 190342

Department : Wet-Chemistry

Date : 06-24-2025 08:17:18

Sample	Customer Sample	Matrix	Test	Preservative	Customer	Raw Sample Storage Location	Collect Date	Method
Q2403-04	LAW-25-0093-E2	Solid	Percent Solids	Cool 4 deg C	PSEG03	A32	06/23/2025	Chemtech -SO
Q2403-05	Concrete-062325	Solid	Percent Solids	Cool 4 deg C	PSEG03	A32	06/23/2025	Chemtech -SO
Q2403-07	ARS 20-006	Solid	Percent Solids	Cool 4 deg C	PSEG03	A32	06/23/2025	Chemtech -SO
Q2403-08	ARS020-0006-E2	Solid	Percent Solids	Cool 4 deg C	PSEG03	A32	06/23/2025	Chemtech -SO
Q2405-01	MH-M/H	Solid	Percent Solids	Cool 4 deg C	PSEG03	D41	06/24/2025	Chemtech -SO
Q2405-02	MH-M/N-EPH	Solid	Percent Solids	Cool 4 deg C	PSEG03	D41	06/24/2025	Chemtech -SO
Q2405-03	MH-M/N-VOC	Solid	Percent Solids	Cool 4 deg C	PSEG03	D41	06/24/2025	Chemtech -SO
Q2406-01	PUMPING-PLANT	Solid	Percent Solids	Cool 4 deg C	PSEG03	D41	06/23/2025	Chemtech -SO
Q2409-02	COP-SOIL-PILE	Solid	Percent Solids	Cool 4 deg C	COPP02	D51	06/24/2025	Chemtech -SO
Q2410-01	TRE-25-0021	Solid	Percent Solids	Cool 4 deg C	PSEG03	D41	06/24/2025	Chemtech -SO
Q2411-01	TRE-2002	Solid	Percent Solids	Cool 4 deg C	PSEG03	D41	06/24/2025	Chemtech -SO
Q2412-01	TR-05-062425	Solid	Percent Solids	Cool 4 deg C	PSEG05	D41	06/24/2025	Chemtech -SO
Q2412-02	TR-05-062425-E2	Solid	Percent Solids	Cool 4 deg C	PSEG05	D41	06/24/2025	Chemtech -SO

Date/Time 06/24/25 15:10
 Raw Sample Received by: [Signature]
 Raw Sample Relinquished by: [Signature]

Date/Time 06/24/25 17:20
 Raw Sample Received by: [Signature]
 Raw Sample Relinquished by: [Signature]

SOP ID: M3541-ASE Extraction-14

Clean Up SOP #: N/A

Matrix : Solid

Welgh 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 ☐ Continious Liquid/Liquid ☐ Sonication ☐ Waste Dilution ☒ Soxhlet

Extraction Start Date : 06/24/2025

Extraction Start Time : 13:00

Extraction End Date : 06/24/2025

Extraction End Time : 16:00

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	EP2622
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
6/24/25	RS (Ext-Lab)	Rel/SVOC
16:05	Preparation Group	Analysis Group

Analytical Method: M3541-ASE Extraction-14

Concentration Date: 06/24/2025

Sample ID	Client Sample ID	Test	g mL	PH	Surr/Spike By:		Final Vol. (mL)	JarID	Comments	Prep Pos
					AddedBy	VerifiedBy				
PB168601BL	SBLK601	SVOC-TCL BNA -20	30.01	N/A	ritesh	Evelyn	1			U1-1
PB168601BS	SLCS601	SVOC-TCL BNA -20	30.03	N/A	ritesh	Evelyn	1			2
Q2392-01	S-1	SVOC-TCL BNA -20	30.05	N/A	ritesh	Evelyn	1	D		3
Q2393-01	PARK AVE -1	SVOC-TCL BNA -20	30.09	N/A	ritesh	Evelyn	1	D		4
Q2393-03	PARK AVE -2	SVOC-TCL BNA -20	30.01	N/A	ritesh	Evelyn	1	D		5
Q2393-05	PARK AVE -3	SVOC-TCL BNA -20	30.03	N/A	ritesh	Evelyn	1	D		6
Q2393-07	PARK AVE -4	SVOC-TCL BNA -20	30.08	N/A	ritesh	Evelyn	1	D		U2-1
Q2393-09	PARK AVE -5	SVOC-TCL BNA -20	30.06	N/A	ritesh	Evelyn	1	D		2
Q2393-11	PARK AVE -6	SVOC-TCL BNA -20	30.04	N/A	ritesh	Evelyn	1	D		3
Q2394-01	MH-K/L	SVOC-TCL BNA -20	50.02	N/A	ritesh	Evelyn	1	D		4
Q2394-01MS	MH-K/LMS	SVOC-TCL BNA -20	50.05	N/A	ritesh	Evelyn	1	D		5
Q2394-01MS D	MH-K/LMSD	SVOC-TCL BNA -20	50.07	N/A	ritesh	Evelyn	1	D		6
Q2398-03	M00-25-0179	SVOC-TCL BNA -20	30.02	N/A	ritesh	Evelyn	1	D	Small Partical	U3-1
Q2398-06	ARS20-0036	SVOC-TCL BNA -20	50.06	N/A	ritesh	Evelyn	1	D		2
Q2399-01	TP-13	SVOC-TCL BNA -20	50.04	N/A	ritesh	Evelyn	1	D		3
Q2399-05	EP-7	SVOC-TCL BNA -20	50.08	N/A	ritesh	Evelyn	1	D		4

R
6/24

15:02
16896

WORKLIST(Hardcopy Internal Chain)

WorkList Name : Q2398

WorkList ID : 190360

Department : Extraction

Date : 06-24-2025 12:52:50

Sample	Customer Sample	Matrix	Test	Preservative	Customer	Raw Sample Storage Location	Collect Date	Method
Q2392-01	S-1	Solid	SVOC-TCL BNA -20	Cool 4 deg C	EARTH03	A41	06/23/2025	8270E
Q2393-01	PARK AVE -1	Solid	SVOC-TCL BNA -20	Cool 4 deg C	UNIO02	A22	06/23/2025	8270E
Q2393-03	PARK AVE -2	Solid	SVOC-TCL BNA -20	Cool 4 deg C	UNIO02	A22	06/23/2025	8270E
Q2393-05	PARK AVE -3	Solid	SVOC-TCL BNA -20	Cool 4 deg C	UNIO02	A22	06/23/2025	8270E
Q2393-07	PARK AVE -4	Solid	SVOC-TCL BNA -20	Cool 4 deg C	UNIO02	A22	06/23/2025	8270E
Q2393-09	PARK AVE -5	Solid	SVOC-TCL BNA -20	Cool 4 deg C	UNIO02	A22	06/23/2025	8270E
Q2393-11	PARK AVE -6	Solid	SVOC-TCL BNA -20	Cool 4 deg C	UNIO02	A22	06/23/2025	8270E
Q2394-01	MH-K/L	Solid	SVOC-TCL BNA -20	Cool 4 deg C	UNIO02	A22	06/23/2025	8270E
Q2398-03	M00-25-0179	Solid	SVOC-TCL BNA -20	Cool 4 deg C	PSEG03	A21	06/23/2025	8270E
Q2398-06	ARS20-0036	Solid	SVOC-TCL BNA -20	Cool 4 deg C	PSEG03	A33	06/23/2025	8270E
Q2399-01	TP-13	Solid	SVOC-TCL BNA -20	Cool 4 deg C	PSEG03	A33	06/23/2025	8270E
Q2399-05	EP-7	Solid	SVOC-TCL BNA -20	Cool 4 deg C	PSEG03	A41	06/23/2025	8270E

Date/Time

6/24/25 12:55

Raw Sample Received by:

RJ (EXT-106)

Raw Sample Relinquished by:

RJ (EXT-106)

Date/Time

6/24/25 13:20

Raw Sample Received by:

RJ (EXT-106)

Raw Sample Relinquished by:

RJ (EXT-106)



SHIPPING DOCUMENTS

CLIENT INFORMATION

REPORT TO BE SENT TO:

COMPANY: Union Paving & Construction
ADDRESS: 190 PARK AVE
CITY HANOVER TWP STATE: NJ ZIP:
ATTENTION: GERARD BUSACCO
PHONE: (201) 315-5055 FAX:

CLIENT PROJECT INFORMATION

PROJECT NAME: 190 PARK AVE HANOVER TWP NJ-PO 3551
PROJECT NO.: LOCATION:
PROJECT MANAGER:
e-mail:
PHONE: FAX:

CLIENT BILLING INFORMATION

BILL TO: PO#:
ADDRESS:
CITY STATE: ZIP:
ATTENTION: PHONE:

ANALYSIS

DATA TURNAROUND INFORMATION

FAX (RUSH) DAYS*
HARDCOPY (DATA PACKAGE): DAYS*
EDD: DAYS*
*TO BE APPROVED BY CHEMTECH
STANDARD HARDCOPY TURNAROUND TIME IS 10 BUSINESS

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

VOCs
GWP, Met, Alkanes
PCB, Pest, PH
SVOCs

PRESERVATIVES

COMMENTS

ALLIANCE SAMPLE ID	PROJECT SAMPLE IDENTIFICATION	SAMPLE MATRIX	SAMPLE TYPE		SAMPLE COLLECTION		# OF BOTTLES	PRESERVATIVES									COMMENTS
			COMP	GRAB	DATE	TIME		E/F	E	E	E						
1.	PARK AVE-1	5.	X		6-23	0820	4		X	X	X						
2.	PARK AVE-1			X		0822	4	X									PPM-0.0
3.	PARK AVE-2		X			0828	4		X	X	X						
4.	PARK AVE-2			X		0830	4	X									PPM-0.0
5.	PARK AVE-3		X			0832	4		X	X	X						
6.	PARK AVE-3			X		0834	4	X									PPM-0.0
7.	PARK AVE-4		X			0837	4		X	X	X						
8.	PARK AVE-4			X		0839	4	X									PPM-0.0
9.	PARK AVE-5		X			0843	4		X	X	X						
10.	PARK AVE-5			X		0845	4	X									PPM-0.0

SAMPLE CUSTODY MUST BE DOCUMENTED BELOW EACH TIME SAMPLES CHANGE POSSESSION INCLUDING COURIER DELIVERY

RELINQUISHED BY SAMPLER: 1. <u>[Signature]</u>	DATE/TIME: <u>1015</u> <u>6-23-25</u>	RECEIVED BY: 1. <u>[Signature]</u>	Conditions of bottles or coolers at receipt: ☐ COMPLIANT ☐ NON COMPLIANT ☐ COOLER TEMP _____ °C Comments:
RELINQUISHED BY SAMPLER: 2. <u>[Signature]</u>	DATE/TIME:	RECEIVED BY: 2.	
RELINQUISHED BY SAMPLER: 3. <u>[Signature]</u>	DATE/TIME: <u>1100</u> <u>6-23-25</u>	RECEIVED BY: 3.	

Page 1 of 2 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 : Q2393	UNIO02	Order Date : 6/23/2025 11:43:58 AM	Project Mgr :
Client Name : Union Paving & Constructi		Project Name : 190 Park Ave Hanover Twp	Report Type : Level 3
Client Contact : Gerard Busacco		Receive DateTime : 6/23/2025 2:00:00 PM	EDD Type : Excel NJ
Invoice Name : Union Paving & Constructi		Purchase Order :	Hard Copy Date :
Invoice Contact : Gerard Busacco			Date Signoff :

LAB ID	CLIENT ID	MATRIX	SAMPLE DATE	SAMPLE TIME	TEST	TEST GROUP	METHOD	FAX DATE	DUE DATES
Q2393-02	PARK AVE -1	Solid	06/23/2025	08:22					
					VOC-TCLVOA-10		8260C		10 Bus. Days
Q2393-04	PARK AVE -2	Solid	06/23/2025	08:30					
					VOC-TCLVOA-10		8260C		10 Bus. Days
Q2393-06	PARK AVE -3	Solid	06/23/2025	08:34					
					VOC-TCLVOA-10		8260C		10 Bus. Days
Q2393-08	PARK AVE -4	Solid	06/23/2025	08:39					
					VOC-TCLVOA-10		8260C		10 Bus. Days
Q2393-10	PARK AVE -5	Solid	06/23/2025	08:45					
					VOC-TCLVOA-10		8260C		10 Bus. Days
Q2393-12	PARK AVE -6	Solid	06/23/2025	08:54					
					VOC-TCLVOA-10		8260C		10 Bus. Days

LOGIN REPORT/SAMPLE TRANSFER

Order ID : Q2393	UNIO02	Order Date : 6/23/2025 11:43:58 AM	Project Mgr :
Client Name : Union Paving & Constructi		Project Name : 190 Park Ave Hanover Twp	Report Type : Level 3
Client Contact : Gerard Busacco		Receive DateTime : 6/23/2025 2:00:00 PM	EDD Type : Excel NJ
Invoice Name : Union Paving & Constructi		Purchase Order :	Hard Copy Date :
Invoice Contact : Gerard Busacco			Date Signoff :

LAB ID	CLIENT ID	MATRIX	SAMPLE DATE	SAMPLE TIME	TEST	TEST GROUP	METHOD	FAX DATE	DUE DATES

Relinquished By :

Date / Time : 6/23/25 1330

Received By :

Date / Time : 06/23/25

Storage Area : VOA Refridgerator Room

13:30 Reg # 6
F22