

Cover Page

Order ID : Q2484

Project ID : South River WM Replacement

Client : CDM Smith

Lab Sample Number

Q2484-01
Q2484-02
Q2484-03
Q2484-04
Q2484-05
Q2484-06

Client Sample Number

TP-58
TP-57
TP-64
TP-107
TP-106
TP-104

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

Signature : _____

Date: 7/10/2025

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 #: Q2484

Completed

For thorough review, the report must have the following:

GENERAL:

Are all original paperwork present (chain of custody, record of communication,airbill, sample management lab chronicle, login page)

✓

Check chain-of-custody for proper relinquish/return of samples

✓

Is the chain of custody signed and complete

✓

Check internal chain-of-custody for proper relinquish/return of samples /sample extracts

✓

Collect information for each project id from server. Were all requirements followed

✓

COVER PAGE:

Do numbers of samples correspond to the number of samples in the Chain of Custody on login page

✓

Do lab numbers and client Ids on cover page agree with the Chain of Custody

✓

CHAIN OF CUSTODY:

Do requested analyses on Chain of Custody agree with form I results

✓

Do requested analyses on Chain of Custody agree with the log-in page

✓

Were the correct method log-in for analysis according to the Analytical Request and Chain of Custody

✓

Were the samples received within hold time

✓

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

✓

ANALYTICAL:

Was method requirement followed?

✓

Was client requirement followed?

✓

Does the case narrative summarize all QC failure?

✓

All runlogs and manual integration are reviewed for requirements

✓

All manual calculations and /or hand notations verified

✓

QA Review Signature: PRADIP PRAJAPATI

Date: 07/10/2025

LAB CHRONICLE

OrderID:	Q2484	OrderDate:	7/2/2025 9:23:00 AM
Client:	CDM Smith	Project:	South River WM Replacement
Contact:	Marcie Ann Encinas	Location:	--Select--,A12,VOA Lab

LabID	ClientID	Matrix	Test	Method	Sample Date	Prep Date	Anal Date	Received
Q2484-01	TP-58	SOIL	SVOC-TCL BNA -20	8270E	07/01/25	07/02/25	07/07/25	07/01/25
Q2484-01DL	TP-58DL	SOIL	SVOC-TCL BNA -20	8270E	07/01/25	07/02/25	07/08/25	07/01/25
Q2484-02	TP-57	SOIL	SVOC-TCL BNA -20	8270E	07/01/25	07/02/25	07/03/25	07/01/25
Q2484-03	TP-64	SOIL	SVOC-TCL BNA -20	8270E	07/01/25	07/02/25	07/07/25	07/01/25
Q2484-04	TP-107	SOIL	SVOC-TCL BNA -20	8270E	07/01/25	07/02/25	07/03/25	07/01/25
Q2484-05	TP-106	SOIL	SVOC-TCL BNA -20	8270E	07/01/25	07/02/25	07/03/25	07/01/25
Q2484-06	TP-104	SOIL	SVOC-TCL BNA -20	8270E	07/01/25	07/02/25	07/03/25	07/01/25

Hit Summary Sheet SW-846

SDG No.: Q2484
Client: CDM Smith

Sample ID	Client ID	Matrix	Parameter	Concentration	C	MDL	RDL	Units
Client ID : TP-58								
Q2484-01	TP-58	SOIL	Naphthalene	140.000	J	26.3	200	ug/Kg
Q2484-01	TP-58	SOIL	2-Methylnaphthalene	170.000	J	29.7	200	ug/Kg
Q2484-01	TP-58	SOIL	1,1-Biphenyl	130.000	J	25.3	200	ug/Kg
Q2484-01	TP-58	SOIL	Acenaphthylene	230.000		33.5	200	ug/Kg
Q2484-01	TP-58	SOIL	Acenaphthene	510.000		24.7	200	ug/Kg
Q2484-01	TP-58	SOIL	Dibenzofuran	1,200.000		26.3	200	ug/Kg
Q2484-01	TP-58	SOIL	Fluorene	1,500.000		29.3	200	ug/Kg
Q2484-01	TP-58	SOIL	Phenanthrene	8,100.000	E	24.2	200	ug/Kg
Q2484-01	TP-58	SOIL	Anthracene	1,600.000		38.6	200	ug/Kg
Q2484-01	TP-58	SOIL	Carbazole	900.000		36.2	200	ug/Kg
Q2484-01	TP-58	SOIL	Fluoranthene	10,800.000	E	34.8	200	ug/Kg
Q2484-01	TP-58	SOIL	Pyrene	6,200.000	E	41.7	200	ug/Kg
Q2484-01	TP-58	SOIL	Benzo(a)anthracene	4,400.000	E	26.7	200	ug/Kg
Q2484-01	TP-58	SOIL	Chrysene	3,600.000	E	23.1	200	ug/Kg
Q2484-01	TP-58	SOIL	Benzo(b)fluoranthene	5,000.000	E	22	200	ug/Kg
Q2484-01	TP-58	SOIL	Benzo(k)fluoranthene	2,100.000		26	200	ug/Kg
Q2484-01	TP-58	SOIL	Benzo(a)pyrene	3,300.000	E	34.2	200	ug/Kg
Q2484-01	TP-58	SOIL	Indeno(1,2,3-cd)pyrene	1,500.000		33.7	200	ug/Kg
Q2484-01	TP-58	SOIL	Dibenzo(a,h)anthracene	450.000		31.8	200	ug/Kg
Q2484-01	TP-58	SOIL	Benzo(g,h,i)perylene	1,700.000		29.8	200	ug/Kg
Total Svoc :				53,530.00				
Q2484-01	TP-58	SOIL	1,1-Binaphthalene	*	590.000	J	0	ug/Kg
Q2484-01	TP-58	SOIL	11H-Benzo[a]fluoren-11-one	*	130.000	J	0	ug/Kg
Q2484-01	TP-58	SOIL	11H-Benzo[b]fluorene	*	150.000	J	0	ug/Kg
Q2484-01	TP-58	SOIL	2-Pentanone, 4-hydroxy-4-methyl	*	210.000	AB	0	ug/Kg
Q2484-01	TP-58	SOIL	4H-Cyclopenta[def]phenanthrene	*	160.000	J	0	ug/Kg
Q2484-01	TP-58	SOIL	7H-Benz[de]anthracen-7-one	*	130.000	J	0	ug/Kg
Q2484-01	TP-58	SOIL	Benzo[b]naphtho[2,1-d]thiophene	*	150.000	J	0	ug/Kg
Q2484-01	TP-58	SOIL	Benzo[e]pyrene	*	610.000	J	0	ug/Kg
Q2484-01	TP-58	SOIL	Benzophenone	*	610.000	J	0	ug/Kg
Q2484-01	TP-58	SOIL	Cyclopenta[cd]pyrene	*	130.000	J	0	ug/Kg
Q2484-01	TP-58	SOIL	Naphthalene, 1,4-dimethyl-	*	150.000	J	0	ug/Kg
Q2484-01	TP-58	SOIL	Naphthalene, 1,5-dimethyl-	*	230.000	J	0	ug/Kg
Q2484-01	TP-58	SOIL	Naphthalene, 1,6,7-trimethyl-	*	220.000	J	0	ug/Kg
Q2484-01	TP-58	SOIL	Naphthalene, 2,3,6-trimethyl-	*	120.000	J	0	ug/Kg
Q2484-01	TP-58	SOIL	Naphthalene, 2,3-dimethyl-	*	270.000	J	0	ug/Kg
Q2484-01	TP-58	SOIL	Naphthalene, 2,7-dimethyl-	*	110.000	J	0	ug/Kg

Hit Summary Sheet SW-846

SDG No.: Q2484
Client: CDM Smith

Sample ID	Client ID	Matrix	Parameter	Concentration	C	MDL	RDL	Units
Q2484-01	TP-58	SOIL	Phenanthrene, 2-methyl-	*	97.000	J 0	0	ug/Kg
Q2484-01	TP-58	SOIL	Pyrene, 1-methyl-	*	150.000	J 0	0	ug/Kg
Q2484-01	TP-58	SOIL	Pyrene, 4-methyl-	*	120.000	J 0	0	ug/Kg
Q2484-01	TP-58	SOIL	Total PAH	*	51,100.000	J 480.4	3200	ug/Kg
Q2484-01	TP-58	SOIL	1-Methylnaphthalene	*	230.000	J 29.9	200	ug/Kg
Total Tics :				55,667.00				
Total Concentration:				109,197.00				
Client ID : TP-58DL								
Q2484-01DL	TP-58DL	SOIL	Acenaphthene		540.000	JD 120	990	ug/Kg
Q2484-01DL	TP-58DL	SOIL	Dibenzofuran		1,200.000	D 130	990	ug/Kg
Q2484-01DL	TP-58DL	SOIL	Fluorene		1,500.000	D 150	990	ug/Kg
Q2484-01DL	TP-58DL	SOIL	Phenanthrene		9,700.000	D 120	990	ug/Kg
Q2484-01DL	TP-58DL	SOIL	Anthracene		1,500.000	D 190	990	ug/Kg
Q2484-01DL	TP-58DL	SOIL	Carbazole		780.000	JD 180	990	ug/Kg
Q2484-01DL	TP-58DL	SOIL	Fluoranthene		10,900.000	D 170	990	ug/Kg
Q2484-01DL	TP-58DL	SOIL	Pyrene		5,900.000	D 210	990	ug/Kg
Q2484-01DL	TP-58DL	SOIL	Benzo(a)anthracene		4,700.000	D 130	990	ug/Kg
Q2484-01DL	TP-58DL	SOIL	Chrysene		3,900.000	D 120	990	ug/Kg
Q2484-01DL	TP-58DL	SOIL	Benzo(b)fluoranthene		5,300.000	D 110	990	ug/Kg
Q2484-01DL	TP-58DL	SOIL	Benzo(k)fluoranthene		1,800.000	D 130	990	ug/Kg
Q2484-01DL	TP-58DL	SOIL	Benzo(a)pyrene		3,500.000	D 170	990	ug/Kg
Q2484-01DL	TP-58DL	SOIL	Indeno(1,2,3-cd)pyrene		1,500.000	D 170	990	ug/Kg
Q2484-01DL	TP-58DL	SOIL	Dibenzo(a,h)anthracene		450.000	JD 160	990	ug/Kg
Q2484-01DL	TP-58DL	SOIL	Benzo(g,h,i)perylene		1,600.000	D 150	990	ug/Kg
Total Svoc :				54,770.00				
Total Concentration:				54,770.00				
Client ID : TP-57								
Q2484-02	TP-57	SOIL	Phenanthrene		170.000	J 24.3	200	ug/Kg
Q2484-02	TP-57	SOIL	Fluoranthene		280.000	34.8	200	ug/Kg
Q2484-02	TP-57	SOIL	Pyrene		240.000	41.8	200	ug/Kg
Q2484-02	TP-57	SOIL	Benzo(a)anthracene		130.000	J 26.7	200	ug/Kg
Q2484-02	TP-57	SOIL	Chrysene		120.000	J 23.1	200	ug/Kg
Q2484-02	TP-57	SOIL	Benzo(b)fluoranthene		140.000	J 22.1	200	ug/Kg
Q2484-02	TP-57	SOIL	Benzo(a)pyrene		130.000	J 34.3	200	ug/Kg
Total Svoc :				1,210.00				
Q2484-02	TP-57	SOIL	2-Pentanone, 4-hydroxy-4-methyl	*	180.000	AB 0	0	ug/Kg
Q2484-02	TP-57	SOIL	Benzo[e]pyrene	*	86.300	J 0	0	ug/Kg
Q2484-02	TP-57	SOIL	Benzophenone	*	320.000	J 0	0	ug/Kg
Q2484-02	TP-57	SOIL	n-Hexadecanoic acid	*	80.900	J 0	0	ug/Kg
Total Tics :				667.20				

Hit Summary Sheet SW-846

SDG No.: Q2484
Client: CDM Smith

Sample ID	Client ID	Matrix	Parameter	Concentration	C	MDL	RDL	Units
Total Concentration:				1,877.20				
Client ID :	TP-64							
Q2484-03	TP-64	SOIL	Fluoranthene	650.000	J	170	960	ug/Kg
Q2484-03	TP-64	SOIL	Pyrene	520.000	J	200	960	ug/Kg
Q2484-03	TP-64	SOIL	Benzo(b)fluoranthene	430.000	J	110	960	ug/Kg
Total Svoc :				1,600.00				
Total Concentration:				1,600.00				
Client ID :	TP-107							
Q2484-04	TP-107	SOIL	2-Pentanone, 4-hydroxy-4-methyl *	230.000	AB	0	0	ug/Kg
Q2484-04	TP-107	SOIL	Benzophenone *	360.000	J	0	0	ug/Kg
Q2484-04	TP-107	SOIL	Heptacosane *	110.000	J	0	0	ug/Kg
Q2484-04	TP-107	SOIL	n-Hexadecanoic acid *	110.000	J	0	0	ug/Kg
Q2484-04	TP-107	SOIL	Trifluoroacetoxy hexadecane *	170.000	J	0	0	ug/Kg
Total Tics :				980.00				
Total Concentration:				980.00				
Client ID :	TP-106							
Q2484-05	TP-106	SOIL	2-Pentanone, 4-hydroxy-4-methyl *	210.000	AB	0	0	ug/Kg
Q2484-05	TP-106	SOIL	Benzophenone *	360.000	J	0	0	ug/Kg
Q2484-05	TP-106	SOIL	Heptafluorobutyric acid, pentadec *	140.000	J	0	0	ug/Kg
Total Tics :				710.00				
Total Concentration:				710.00				
Client ID :	TP-104							
Q2484-06	TP-104	SOIL	2-Pentanone, 4-hydroxy-4-methyl *	220.000	AB	0	0	ug/Kg
Q2484-06	TP-104	SOIL	Behenic alcohol *	180.000	J	0	0	ug/Kg
Q2484-06	TP-104	SOIL	Benzophenone *	370.000	J	0	0	ug/Kg
Total Tics :				770.00				
Total Concentration:				770.00				



QC SUMMARY

Surrogate Summary

SW-846

SDG No.: Q2484

Client: CDM Smith

Analytical Method: 8270E

Lab Sample ID	Client ID	Parameter	Spike (PPM)	Result (PPM)	Recovery (%)	Qual	Limits (%)	
							Low	High
PB168694BL	PB168694BL	2-Fluorophenol	150	121	81		18	112
		Phenol-d6	150	119	80		15	107
		Nitrobenzene-d5	100	76.7	77		18	107
		2-Fluorobiphenyl	100	75.5	76		20	109
		2,4,6-Tribromophenol	150	124	82		10	116
		Terphenyl-d14	100	76.8	77		10	105
PB168694BS	PB168694BS	2-Fluorophenol	150	119	80		18	112
		Phenol-d6	150	117	78		15	107
		Nitrobenzene-d5	100	76.6	77		18	107
		2-Fluorobiphenyl	100	79.8	80		20	109
		2,4,6-Tribromophenol	150	122	81		10	116
		Terphenyl-d14	100	67.7	68		10	105
Q2475-01MS	SOIL-PILEMS	2-Fluorophenol	150	70.7	47		18	112
		Phenol-d6	150	74.0	49		15	107
		Nitrobenzene-d5	100	46.8	47		18	107
		2-Fluorobiphenyl	100	43.0	43		20	109
		2,4,6-Tribromophenol	150	67.8	45		10	116
		Terphenyl-d14	100	33.5	33		10	105
Q2475-01MSD	SOIL-PILEMSD	2-Fluorophenol	150	70.0	47		18	112
		Phenol-d6	150	73.3	49		15	107
		Nitrobenzene-d5	100	44.8	45		18	107
		2-Fluorobiphenyl	100	42.0	42		20	109
		2,4,6-Tribromophenol	150	61.7	41		10	116
		Terphenyl-d14	100	31.4	31		10	105
Q2484-01	TP-58	2-Fluorophenol	150	73.9	49		18	112
		Phenol-d6	150	71.1	47		15	107
		Nitrobenzene-d5	100	45.7	46		18	107
		2-Fluorobiphenyl	100	38.4	38		20	109
		2,4,6-Tribromophenol	150	75.7	50		10	116
		Terphenyl-d14	100	33.8	34		10	105
Q2484-01DL	TP-58DL	2-Fluorophenol	150	70.3	47		18	112
		Phenol-d6	150	75.6	50		15	107
		Nitrobenzene-d5	100	46.2	46		18	107
		2-Fluorobiphenyl	100	44.0	44		20	109
		2,4,6-Tribromophenol	150	36.6	24		10	116
		Terphenyl-d14	100	27.2	27		10	105
Q2484-02	TP-57	2-Fluorophenol	150	64.1	43		18	112
		Phenol-d6	150	64.3	43		15	107
		Nitrobenzene-d5	100	39.5	40		18	107
		2-Fluorobiphenyl	100	36.5	37		20	109
		2,4,6-Tribromophenol	150	63.6	42		10	116
		Terphenyl-d14	100	36.8	37		10	105
Q2484-03	TP-64	2-Fluorophenol	150	65.4	44		18	112
		Phenol-d6	150	61.8	41		15	107
		Nitrobenzene-d5	100	39.4	39		18	107
		2-Fluorobiphenyl	100	43.9	44		20	109
		2,4,6-Tribromophenol	150	63.6	42		10	116
		Terphenyl-d14	100	39.8	40		10	105
Q2484-04	TP-107	2-Fluorophenol	150	79.2	53		18	112
		Phenol-d6	150	81.0	54		15	107
		Nitrobenzene-d5	100	50.0	50		18	107

Surrogate Summary

SW-846

SDG No.: Q2484

Client: CDM Smith

Analytical Method: 8270E

Lab Sample ID	Client ID	Parameter	Spike (PPM)	Result (PPM)	Recovery (%)	Qual	Limits (%)	
							Low	High
Q2484-04	TP-107	2-Fluorobiphenyl	100	47.6	48		20	109
		2,4,6-Tribromophenol	150	74.5	50		10	116
		Terphenyl-d14	100	37.2	37		10	105
Q2484-05	TP-106	2-Fluorophenol	150	72.7	48		18	112
		Phenol-d6	150	74.9	50		15	107
		Nitrobenzene-d5	100	44.9	45		18	107
		2-Fluorobiphenyl	100	44.3	44		20	109
		2,4,6-Tribromophenol	150	70.5	47		10	116
		Terphenyl-d14	100	40.8	41		10	105
Q2484-06	TP-104	2-Fluorophenol	150	76.8	51		18	112
		Phenol-d6	150	77.6	52		15	107
		Nitrobenzene-d5	100	47.6	48		18	107
		2-Fluorobiphenyl	100	46.0	46		20	109
		2,4,6-Tribromophenol	150	76.4	51		10	116
		Terphenyl-d14	100	46.6	47		10	105

Matrix Spike/Matrix Spike Duplicate Summary

SW-846

SDG No.: Q2484

Analytical Method: SW8270E

Client: CDM Smith

DataFile: BF142982.D

Parameter	Spike	Sample Result	Result	Units	Rec	Rec Qual	RPD	RPD Qual	Low	Limits High	RPD
Lab Sample ID: Q2475-01MS		Client Sample ID: SOIL-PILEMS									
Benzaldehyde	1300	0	1300	ug/Kg	100				10	171	
Phenol	1300	0	1100	ug/Kg	85				51	122	
bis(2-Chloroethyl)ether	1300	0	1100	ug/Kg	85				54	125	
2-Chlorophenol	1300	0	1100	ug/Kg	85				51	121	
2-Methylphenol	1300	0	1200	ug/Kg	92				47	125	
2,2-oxybis(1-Chloropropane)	1300	0	1100	ug/Kg	85				46	119	
Acetophenone	1300	0	1200	ug/Kg	92				55	128	
3+4-Methylphenols	1300	0	1200	ug/Kg	92				49	125	
N-Nitroso-di-n-propylamine	1300	0	1100	ug/Kg	85				59	119	
Hexachloroethane	1300	0	1100	ug/Kg	85				51	116	
Nitrobenzene	1300	0	1100	ug/Kg	85				47	124	
Isophorone	1300	0	1200	ug/Kg	92				49	127	
2-Nitrophenol	1300	0	1200	ug/Kg	92				43	131	
2,4-Dimethylphenol	1300	0	1100	ug/Kg	85				63	151	
bis(2-Chloroethoxy)methane	1300	0	1200	ug/Kg	92				51	119	
2,4-Dichlorophenol	1300	0	1200	ug/Kg	92				50	122	
Naphthalene	1300	0	1200	ug/Kg	92				51	121	
4-Chloroaniline	1300	0	590	ug/Kg	45				10	100	
Hexachlorobutadiene	1300	0	1200	ug/Kg	92				44	126	
Caprolactam	1300	0	1400	ug/Kg	108				51	134	
4-Chloro-3-methylphenol	1300	0	1200	ug/Kg	92				57	132	
2-Methylnaphthalene	1300	0	1200	ug/Kg	92				59	123	
Hexachlorocyclopentadiene	2500	0	1600	ug/Kg	64				10	175	
2,4,6-Trichlorophenol	1300	0	1200	ug/Kg	92				33	141	
2,4,5-Trichlorophenol	1300	0	1200	ug/Kg	92				38	135	
1,1-Biphenyl	1300	0	1200	ug/Kg	92				55	131	
2-Chloronaphthalene	1300	0	1200	ug/Kg	92				48	124	
2-Nitroaniline	1300	0	1200	ug/Kg	92				47	134	
Dimethylphthalate	1300	0	1300	ug/Kg	100				54	120	
Acenaphthylene	1300	0	1200	ug/Kg	92				57	125	
2,6-Dinitrotoluene	1300	0	1200	ug/Kg	92				48	127	
3-Nitroaniline	1300	0	780	ug/Kg	60				10	112	
Acenaphthene	1300	0	1300	ug/Kg	100				70	121	
2,4-Dinitrophenol	2500	0	2200	ug/Kg	88				10	155	
4-Nitrophenol	2500	0	2100	ug/Kg	84				10	175	
Dibenzofuran	1300	0	1200	ug/Kg	92				52	114	
2,4-Dinitrotoluene	1300	0	1200	ug/Kg	92				41	140	
Diethylphthalate	1300	0	1300	ug/Kg	100				51	119	
4-Chlorophenyl-phenylether	1300	0	1200	ug/Kg	92				48	122	
Fluorene	1300	70.1	1200	ug/Kg	87				53	118	
4-Nitroaniline	1300	0	1200	ug/Kg	92				29	140	
4,6-Dinitro-2-methylphenol	1300	0	1200	ug/Kg	92				10	160	
N-Nitrosodiphenylamine	1300	0	1300	ug/Kg	100				73	118	
4-Bromophenyl-phenylether	1300	0	1300	ug/Kg	100				65	121	
Hexachlorobenzene	1300	0	1200	ug/Kg	92				67	118	
Atrazine	1300	0	1500	ug/Kg	115				45	175	

Matrix Spike/Matrix Spike Duplicate Summary

SW-846

SDG No.: Q2484

Analytical Method: SW8270E

Client: CDM Smith

DataFile: BF142982.D

Parameter	Spike	Sample Result	Result	Units	Rec	Rec Qual	RPD	RPD Qual	Low	Limits High	RPD
Pentachlorophenol	2500	0	2300	ug/Kg	92				13	153	
Phenanthrene	1300	420	1500	ug/Kg	83				52	128	
Anthracene	1300	64.9	1200	ug/Kg	87				62	124	
Carbazole	1300	56.1	1200	ug/Kg	88				59	119	
Di-n-butylphthalate	1300	0	1500	ug/Kg	115				55	125	
Fluoranthene	1300	1200	2100	ug/Kg	69				44	125	
Pyrene	1300	680	1400	ug/Kg	55				37	122	
Butylbenzylphthalate	1300	0	1300	ug/Kg	100				44	135	
3,3-Dichlorobenzidine	1300	0	740	ug/Kg	57				15	112	
Benzo(a)anthracene	1300	390	1500	ug/Kg	85				53	119	
Chrysene	1300	500	1600	ug/Kg	85				57	121	
bis(2-Ethylhexyl)phthalate	1300	0	1300	ug/Kg	100				42	169	
Di-n-octyl phthalate	1300	0	1100	ug/Kg	85				51	156	
Benzo(b)fluoranthene	1300	660	1800	ug/Kg	88				52	117	
Benzo(k)fluoranthene	1300	210	1600	ug/Kg	107				57	134	
Benzo(a)pyrene	1300	310	1500	ug/Kg	92				70	142	
Indeno(1,2,3-cd)pyrene	1300	100	890	ug/Kg	61				40	129	
Dibenz(a,h)anthracene	1300	0	840	ug/Kg	65				43	123	
Benzo(g,h,i)perylene	1300	120	850	ug/Kg	56				24	125	
1,2,4,5-Tetrachlorobenzene	1300	0	1200	ug/Kg	92				52	134	
1,4-Dioxane	1300	0	890	ug/Kg	68				46	112	
2,3,4,6-Tetrachlorophenol	1300	0	1100	ug/Kg	85				24	146	

Matrix Spike/Matrix Spike Duplicate Summary

SW-846

SDG No.: Q2484

Analytical Method: SW8270E

Client: CDM Smith

DataFile: BF142983.D

Parameter	Spike	Sample Result	Result	Units	Rec	Rec Qual	RPD	RPD Qual	Low	Limits High	RPD
Lab Sample ID:	Q2475-01MSD	Client Sample ID:	SOIL-PILEMSD								
Benzaldehyde	1300	0	1200	ug/Kg	92		8		10	171	20
Phenol	1300	0	1100	ug/Kg	85		0		51	122	20
bis(2-Chloroethyl)ether	1300	0	1100	ug/Kg	85		0		54	125	20
2-Chlorophenol	1300	0	1100	ug/Kg	85		0		51	121	20
2-Methylphenol	1300	0	1100	ug/Kg	85		8		47	125	20
2,2-oxybis(1-Chloropropane)	1300	0	1000	ug/Kg	77		10		46	119	20
Acetophenone	1300	0	1100	ug/Kg	85		8		55	128	20
3+4-Methylphenols	1300	0	1200	ug/Kg	92		0		49	125	20
N-Nitroso-di-n-propylamine	1300	0	1100	ug/Kg	85		0		59	119	20
Hexachloroethane	1300	0	1100	ug/Kg	85		0		51	116	20
Nitrobenzene	1300	0	1100	ug/Kg	85		0		47	124	20
Isophorone	1300	0	1100	ug/Kg	85		8		49	127	20
2-Nitrophenol	1300	0	1200	ug/Kg	92		0		43	131	20
2,4-Dimethylphenol	1300	0	1100	ug/Kg	85		0		63	151	20
bis(2-Chloroethoxy)methane	1300	0	1100	ug/Kg	85		8		51	119	20
2,4-Dichlorophenol	1300	0	1100	ug/Kg	85		8		50	122	20
Naphthalene	1300	0	1100	ug/Kg	85		8		51	121	20
4-Chloroaniline	1300	0	550	ug/Kg	42		7		10	100	20
Hexachlorobutadiene	1300	0	1100	ug/Kg	85		8		44	126	20
Caprolactam	1300	0	1300	ug/Kg	100		8		51	134	20
4-Chloro-3-methylphenol	1300	0	1100	ug/Kg	85		8		57	132	20
2-Methylnaphthalene	1300	0	1100	ug/Kg	85		8		59	123	20
Hexachlorocyclopentadiene	2500	0	1600	ug/Kg	64		0		10	175	20
2,4,6-Trichlorophenol	1300	0	1100	ug/Kg	85		8		33	141	20
2,4,5-Trichlorophenol	1300	0	1100	ug/Kg	85		8		38	135	20
1,1-Biphenyl	1300	0	1200	ug/Kg	92		0		55	131	20
2-Chloronaphthalene	1300	0	1100	ug/Kg	85		8		48	124	20
2-Nitroaniline	1300	0	1200	ug/Kg	92		0		47	134	20
Dimethylphthalate	1300	0	1200	ug/Kg	92		8		54	120	20
Acenaphthylene	1300	0	1100	ug/Kg	85		8		57	125	20
2,6-Dinitrotoluene	1300	0	1200	ug/Kg	92		0		48	127	20
3-Nitroaniline	1300	0	720	ug/Kg	55		9		10	112	20
Acenaphthene	1300	0	1200	ug/Kg	92		8		70	121	20
2,4-Dinitrophenol	2500	0	2100	ug/Kg	84		5		10	155	20
4-Nitrophenol	2500	0	1900	ug/Kg	76		10		10	175	20
Dibenzofuran	1300	0	1100	ug/Kg	85		8		52	114	20
2,4-Dinitrotoluene	1300	0	1100	ug/Kg	85		8		41	140	20
Diethylphthalate	1300	0	1200	ug/Kg	92		8		51	119	20
4-Chlorophenyl-phenylether	1300	0	1100	ug/Kg	85		8		48	122	20
Fluorene	1300	70.1	1100	ug/Kg	79		10		53	118	20
4-Nitroaniline	1300	0	1000	ug/Kg	77		18		29	140	20
4,6-Dinitro-2-methylphenol	1300	0	1100	ug/Kg	85		8		10	160	20
N-Nitrosodiphenylamine	1300	0	1300	ug/Kg	100		0		73	118	20
4-Bromophenyl-phenylether	1300	0	1300	ug/Kg	100		0		65	121	20
Hexachlorobenzene	1300	0	1200	ug/Kg	92		0		67	118	20
Atrazine	1300	0	1500	ug/Kg	115		0		45	175	20

Matrix Spike/Matrix Spike Duplicate Summary

SW-846

SDG No.: Q2484

Analytical Method: SW8270E

Client: CDM Smith

DataFile: BF142983.D

Parameter	Spike	Sample Result	Result	Units	Rec	Rec Qual	RPD	RPD Qual	Low	Limits High	RPD
Pentachlorophenol	2500	0	2300	ug/Kg	92		0		13	153	20
Phenanthrene	1300	420	1400	ug/Kg	75		10		52	128	20
Anthracene	1300	64.9	1200	ug/Kg	87		0		62	124	20
Carbazole	1300	56.1	1200	ug/Kg	88		0		59	119	20
Di-n-butylphthalate	1300	0	1400	ug/Kg	108		6		55	125	20
Fluoranthene	1300	1200	2000	ug/Kg	62		11		44	125	20
Pyrene	1300	680	1400	ug/Kg	55		0		37	122	20
Butylbenzylphthalate	1300	0	1200	ug/Kg	92		8		44	135	20
3,3-Dichlorobenzidine	1300	0	750	ug/Kg	58		2		15	112	20
Benzo(a)anthracene	1300	390	1500	ug/Kg	85		0		53	119	20
Chrysene	1300	500	1500	ug/Kg	77		10		57	121	20
bis(2-Ethylhexyl)phthalate	1300	0	1200	ug/Kg	92		8		42	169	20
Di-n-octyl phthalate	1300	0	1100	ug/Kg	85		0		51	156	20
Benzo(b)fluoranthene	1300	660	1800	ug/Kg	88		0		52	117	20
Benzo(k)fluoranthene	1300	210	1600	ug/Kg	107		0		57	134	20
Benzo(a)pyrene	1300	310	1400	ug/Kg	84		9		70	142	20
Indeno(1,2,3-cd)pyrene	1300	100	860	ug/Kg	58		5		40	129	20
Dibenz(a,h)anthracene	1300	0	800	ug/Kg	62		5		43	123	20
Benzo(g,h,i)perylene	1300	120	820	ug/Kg	54		4		24	125	20
1,2,4,5-Tetrachlorobenzene	1300	0	1200	ug/Kg	92		0		52	134	20
1,4-Dioxane	1300	0	900	ug/Kg	69		1		46	112	20
2,3,4,6-Tetrachlorophenol	1300	0	1000	ug/Kg	77		10		24	146	20

Laboratory Control Sample/Laboratory Control Sample Duplicate Summary

SW-846

SDG No.: Q2484

Analytical Method:

8270E

Client: CDM Smith

DataFile:

BF142989.D

Lab Sample ID	Parameter	Spike	Result	Unit	Rec	RPD	Qual	RPD		Limits	
								Qual	Low	High	RPD
PB168694BS	Benzaldehyde	1700	920	ug/Kg	54				10	133	
	Phenol	1700	1400	ug/Kg	82				62	112	
	bis(2-Chloroethyl)ether	1700	1400	ug/Kg	82				60	101	
	2-Chlorophenol	1700	1400	ug/Kg	82				65	112	
	2-Methylphenol	1700	1400	ug/Kg	82				61	108	
	2,2-oxybis(1-Chloropropane)	1700	1400	ug/Kg	82				51	100	
	Acetophenone	1700	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	1400	ug/Kg	82				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	1500	ug/Kg	88				62	107	
	Naphthalene	1700	1500	ug/Kg	88				62	100	
	4-Chloroaniline	1700	980	ug/Kg	58				16	100	
	Hexachlorobutadiene	1700	1500	ug/Kg	88				53	98	
	Caprolactam	1700	1500	ug/Kg	88				67	110	
	4-Chloro-3-methylphenol	1700	1400	ug/Kg	82				58	112	
	2-Methylnaphthalene	1700	1500	ug/Kg	88				60	104	
	Hexachlorocyclopentadiene	3300	2900	ug/Kg	88				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	1000	ug/Kg	59				28	100	
	Acenaphthene	1700	1600	ug/Kg	94				57	104	
	2,4-Dinitrophenol	3300	2800	ug/Kg	85				37	128	
	4-Nitrophenol	3300	2600	ug/Kg	79				48	119	
	Dibenzofuran	1700	1500	ug/Kg	88				63	99	
	2,4-Dinitrotoluene	1700	1500	ug/Kg	88				60	106	
	Diethylphthalate	1700	1500	ug/Kg	88				60	101	
	4-Chlorophenyl-phenylether	1700	1500	ug/Kg	88				58	98	
	Fluorene	1700	1500	ug/Kg	88				61	101	
	4-Nitroaniline	1700	1400	ug/Kg	82				64	103	
	4,6-Dinitro-2-methylphenol	1700	1500	ug/Kg	88				76	113	
	N-Nitrosodiphenylamine	1700	1600	ug/Kg	94				71	99	
	4-Bromophenyl-phenylether	1700	1600	ug/Kg	94				66	102	

Laboratory Control Sample/Laboratory Control Sample Duplicate Summary

SW-846

SDG No.: Q2484

Analytical Method: 8270E

Client: CDM Smith

DataFile: BF142989.D

Lab Sample ID	Parameter	Spike	Result	Unit	Rec	RPD	Qual	RPD		Limits	
								Qual	Low	High	RPD
PB168694BS	Hexachlorobenzene	1700	1600	ug/Kg	94				64	98	
	Atrazine	1700	1800	ug/Kg	106				47	152	
	Pentachlorophenol	3300	2900	ug/Kg	88				67	105	
	Phenanthrene	1700	1500	ug/Kg	88				59	103	
	Anthracene	1700	1500	ug/Kg	88				61	105	
	Carbazole	1700	1500	ug/Kg	88				61	99	
	Di-n-butylphthalate	1700	1700	ug/Kg	100				58	104	
	Fluoranthene	1700	1500	ug/Kg	88				57	107	
	Pyrene	1700	1200	ug/Kg	71				59	103	
	Butylbenzylphthalate	1700	1800	ug/Kg	106		*		55	103	
	3,3-Dichlorobenzidine	1700	1000	ug/Kg	59				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	1700	ug/Kg	100				52	137	
	Benzo(b)fluoranthene	1700	1700	ug/Kg	100				62	109	
	Benzo(k)fluoranthene	1700	1400	ug/Kg	82				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	1500	ug/Kg	88				53	101	
	1,4-Dioxane	1700	1100	ug/Kg	65				50	96	
	2,3,4,6-Tetrachlorophenol	1700	1400	ug/Kg	82				59	108	

4B

SEMIVOLATILE METHOD BLANK SUMMARY

Client ID

PB168694BL

Lab Name: Alliance

Contract: CAMP02

Lab Code: ACE

SDG NO.: Q2484

Lab File ID: BF142988.D

Lab Sample ID: PB168694BL

Instrument ID: BNA_F

Date Extracted: 07/02/2025

Matrix: (soil/water) SOIL

Date Analyzed: 07/03/2025

Level: (low/med) LOW

Time Analyzed: 10:26

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

EPA SAMPLE NO.	LAB SAMPLE ID	LAB FILE ID	DATE ANALYZED
PB168694BS	PB168694BS	BF142989.D	07/03/2025
TP-57	Q2484-02	BF142995.D	07/03/2025
TP-107	Q2484-04	BF143000.D	07/03/2025
TP-104	Q2484-06	BF142996.D	07/03/2025
TP-106	Q2484-05	BF142997.D	07/03/2025
TP-58	Q2484-01	BF143018.D	07/07/2025
TP-64	Q2484-03	BF143021.D	07/07/2025
SOIL-PILEMS	Q2475-01MS	BF142982.D	07/02/2025
SOIL-PILEMSD	Q2475-01MSD	BF142983.D	07/02/2025

COMMENTS: _____



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5B

SEMIVOLATILE ORGANIC INSTRUMENT PERFORMANCE CHECK
DECAFLUOROTRIPHENYLPHOSPHINE (DFTPP)

Lab Name: Alliance
Lab Code: ACE
Lab File ID: BF142787.D
Instrument ID: BNA_F

Contract: CAMP02
SDG NO.: Q2484
DFTPP Injection Date: 06/19/2025
DFTPP Injection Time: 16:37

m/e	ION ABUNDANCE CRITERIA	% RELATIVE ABUNDANCE
51	10.0 - 80.0% of mass 198	33.9
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
127	10.0 - 80.0% of mass 198	41.6
197	Less than 2.0% of mass 198	0.0
198	Base Peak, 100% relative abundance	100
199	5.0 to 9.0% of mass 198	5.8
275	10.0 - 60.0% of mass 198	24.9
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:

CLIENT ID	LAB SAMPLE ID	LAB FILE ID	DATE ANALYZED	TIME ANALYZED
SSTDICC2.5	SSTDICC2.5	BF142788.D	06/19/2025	17:07
SSTDICC005	SSTDICC005	BF142789.D	06/19/2025	17:38
SSTDICC010	SSTDICC010	BF142790.D	06/19/2025	18:08
SSTDICC020	SSTDICC020	BF142791.D	06/19/2025	18:39
SSTDICCC040	SSTDICCC040	BF142792.D	06/19/2025	19:09
SSTDICC050	SSTDICC050	BF142793.D	06/19/2025	19:40
SSTDICC060	SSTDICC060	BF142794.D	06/19/2025	20:10
SSTDICC080	SSTDICC080	BF142795.D	06/19/2025	20:40



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5B

SEMIVOLATILE ORGANIC INSTRUMENT PERFORMANCE CHECK
DECAFLUOROTRIPHENYLPHOSPHINE (DFTPP)

Lab Name: Alliance
Lab Code: ACE
Lab File ID: BF142963.D
Instrument ID: BNA_F

Contract: CAMP02
SDG NO.: Q2484
DFTPP Injection Date: 07/02/2025
DFTPP Injection Time: 11:11

m/e	ION ABUNDANCE CRITERIA	% RELATIVE ABUNDANCE
51	10.0 - 80.0% of mass 198	29.2
68	Less than 2.0% of mass 69	0.5 (1.9) 1
69	Mass 69 relative abundance	28.3
70	Less than 2.0% of mass 69	0.1 (0.4) 1
127	10.0 - 80.0% of mass 198	38.7
197	Less than 2.0% of mass 198	0.0
198	Base Peak, 100% relative abundance	100
199	5.0 to 9.0% of mass 198	5.6
275	10.0 - 60.0% of mass 198	24.9
365	Greater than 1% of mass 198	3.1
441	Present, but less than mass 443	15.3
442	Greater than 50% of mass 198	100
443	15.0 - 24.0% of mass 442	18.9 (18.9) 2

1-Value is % mass 69

2-Value is % mass 442

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

CLIENT ID	LAB SAMPLE ID	LAB FILE ID	DATE ANALYZED	TIME ANALYZED
SSTDCCC040	SSTDCCC040	BF142964.D	07/02/2025	11:41
SOIL-PILEMS	Q2475-01MS	BF142982.D	07/02/2025	20:52
SOIL-PILEMSD	Q2475-01MSD	BF142983.D	07/02/2025	21:22



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5B

SEMIVOLATILE ORGANIC INSTRUMENT PERFORMANCE CHECK
DECAFLUOROTRIPHENYLPHOSPHINE (DFTPP)

Lab Name: Alliance
Lab Code: ACE
Lab File ID: BF142986.D
Instrument ID: BNA_F

Contract: CAMP02
SDG NO.: Q2484
DFTPP Injection Date: 07/03/2025
DFTPP Injection Time: 09:25

m/e	ION ABUNDANCE CRITERIA	% RELATIVE ABUNDANCE
51	10.0 - 80.0% of mass 198	30.1
68	Less than 2.0% of mass 69	0.5 (1.8) 1
69	Mass 69 relative abundance	28.4
70	Less than 2.0% of mass 69	0.1 (0.3) 1
127	10.0 - 80.0% of mass 198	39
197	Less than 2.0% of mass 198	0.0
198	Base Peak, 100% relative abundance	100
199	5.0 to 9.0% of mass 198	5.4
275	10.0 - 60.0% of mass 198	24.2
365	Greater than 1% of mass 198	3.2
441	Present, but less than mass 443	15.2
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:

CLIENT ID	LAB SAMPLE ID	LAB FILE ID	DATE ANALYZED	TIME ANALYZED
SSTDCCC040	SSTDCCC040	BF142987.D	07/03/2025	09:55
PB168694BL	PB168694BL	BF142988.D	07/03/2025	10:26
PB168694BS	PB168694BS	BF142989.D	07/03/2025	10:55
TP-57	Q2484-02	BF142995.D	07/03/2025	14:25
TP-104	Q2484-06	BF142996.D	07/03/2025	14:56
TP-106	Q2484-05	BF142997.D	07/03/2025	15:27
TP-107	Q2484-04	BF143000.D	07/03/2025	16:59



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

5B

SEMIVOLATILE ORGANIC INSTRUMENT PERFORMANCE CHECK
DECAFLUOROTRIPHENYLPHOSPHINE (DFTPP)

Lab Name: Alliance
Lab Code: ACE
Lab File ID: BF143002.D
Instrument ID: BNA_F

Contract: CAMP02
SDG NO.: Q2484
DFTPP Injection Date: 07/07/2025
DFTPP Injection Time: 11:12

m/e	ION ABUNDANCE CRITERIA	% RELATIVE ABUNDANCE
51	10.0 - 80.0% of mass 198	32.2
68	Less than 2.0% of mass 69	0.0 (0.0) 1
69	Mass 69 relative abundance	29.4
70	Less than 2.0% of mass 69	0.0 (0.0) 1
127	10.0 - 80.0% of mass 198	42.4
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
275	10.0 - 60.0% of mass 198	25.1
365	Greater than 1% of mass 198	3.4
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 (19) 2

1-Value is % mass 69

2-Value is % mass 442

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

CLIENT ID	LAB SAMPLE ID	LAB FILE ID	DATE ANALYZED	TIME ANALYZED
SSTDCCC040	SSTDCCC040	BF143003.D	07/07/2025	12:12
TP-58	Q2484-01	BF143018.D	07/07/2025	19:51
TP-64	Q2484-03	BF143021.D	07/07/2025	21:22



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5B

SEMIVOLATILE ORGANIC INSTRUMENT PERFORMANCE CHECK
DECAFLUOROTRIPHENYLPHOSPHINE (DFTPP)

Lab Name: Alliance
Lab Code: ACE
Lab File ID: BF143024.D
Instrument ID: BNA_F

Contract: CAMP02
SDG NO.: Q2484
DFTPP Injection Date: 07/08/2025
DFTPP Injection Time: 10:24

m/e	ION ABUNDANCE CRITERIA	% RELATIVE ABUNDANCE
51	10.0 - 80.0% of mass 198	34.6
68	Less than 2.0% of mass 69	0.6 (2) 1
69	Mass 69 relative abundance	32.1
70	Less than 2.0% of mass 69	0.2 (0.5) 1
127	10.0 - 80.0% of mass 198	44.5
197	Less than 2.0% of mass 198	0.0
198	Base Peak, 100% relative abundance	100
199	5.0 to 9.0% of mass 198	6
275	10.0 - 60.0% of mass 198	25.6
365	Greater than 1% of mass 198	3.3
441	Present, but less than mass 443	15.7
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:

CLIENT ID	LAB SAMPLE ID	LAB FILE ID	DATE ANALYZED	TIME ANALYZED
SSTDCCC040	SSTDCCC040	BF143025.D	07/08/2025	10:54
TP-58DL	Q2484-01DL	BF143042.D	07/08/2025	19:41

8B

SEMIVOLATILE INTERNAL STANDARD AREA AND RT SUMMARY

Lab Name: Alliance

Lab Code: ACE

SDG NO.: Q2484

Client ID : SSTDCCC040

Date Analyzed: 07/02/2025

Lab File ID: BF142964.D

Time Analyzed: 11:41

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	58835	6.875	223613	8.16	116653	9.92
UPPER LIMIT	117670	7.375	447226	8.657	233306	10.416
LOWER LIMIT	29417.5	6.375	111807	7.657	58326.5	9.416
EPA SAMPLE NO.						
01 SOIL-PILEMS	59177	6.88	222831	8.16	115354	9.92
02 SOIL-PILEMSD	59335	6.88	228314	8.16	114108	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: Alliance

Lab Code: ACE

SDG NO.: Q2484

Client ID: SSTDCCC040

Date Analyzed: 07/02/2025

Lab File ID: BF142964.D

Time Analyzed: 11:41

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	194796	11.404	118183	14.051	123997	15.545
UPPER LIMIT	389592	11.904	236366	14.551	247994	16.045
LOWER LIMIT	97398	10.904	59091.5	13.551	61998.5	15.045
EPA SAMPLE NO.						
01 SOIL-PILEMS	168872	11.40	125535	14.06	103117	15.55
02 SOIL-PILEMSD	156089	11.40	121729	14.05	97715	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: Alliance

Lab Code: ACE

SDG NO.: Q2484

Client ID : SSTDCCC040

Date Analyzed: 07/03/2025

Lab File ID: BF142987.D

Time Analyzed: 09:55

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	62161	6.875	229765	8.16	116751	9.92
UPPER LIMIT	124322	7.375	459530	8.657	233502	10.416
LOWER LIMIT	31080.5	6.375	114883	7.657	58375.5	9.416
EPA SAMPLE NO.						
01 TP-107	72090	6.88	273008	8.16	142530	9.91
02 TP-106	73257	6.88	282718	8.16	149800	9.91
03 TP-104	71564	6.88	274705	8.16	149203	9.91
04 PB168694BL	74523	6.88	286767	8.16	155660	9.92
05 PB168694BS	59015	6.88	219896	8.16	110519	9.92
06 TP-57	70834	6.88	271831	8.16	145167	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: Alliance

Lab Code: ACE

SDG NO.: Q2484

Client ID: SSTDCCC040

Date Analyzed: 07/03/2025

Lab File ID: BF142987.D

Time Analyzed: 09:55

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	185461	11.404	107728	14.051	131364	15.545
UPPER LIMIT	370922	11.904	215456	14.551	262728	16.045
LOWER LIMIT	92730.5	10.904	53864	13.551	65682	15.045
EPA SAMPLE NO.						
01 TP-107	220931	11.40	143481	14.05	173151	15.54
02 TP-106	249447	11.40	144108	14.05	179957	15.54
03 TP-104	257344	11.40	143815	14.05	171301	15.54
04 PB168694BL	262266	11.40	143100	14.05	155357	15.55
05 PB168694BS	169244	11.41	114618	14.06	135774	15.55
06 TP-57	247026	11.40	137001	14.05	171675	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: Alliance

Lab Code: ACE

SDG NO.: Q2484

Client ID : SSTDCCC040

Date Analyzed: 07/07/2025

Lab File ID: BF143003.D

Time Analyzed: 12:12

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	66299	6.875	250576	8.16	128386	9.92
UPPER LIMIT	132598	7.375	501152	8.663	256772	10.422
LOWER LIMIT	33149.5	6.375	125288	7.663	64193	9.422
EPA SAMPLE NO.						
01 TP-58	47809	6.88	165637	8.16	87479	9.92
02 TP-64	45344	6.88	158652	8.16	77572	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: Alliance

Lab Code: ACE

SDG NO.: Q2484

Client ID: SSTDCCC040

Date Analyzed: 07/07/2025

Lab File ID: BF143003.D

Time Analyzed: 12:12

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	196682	11.41	115356	14.057	146144	15.551
UPPER LIMIT	393364	11.91	230712	14.557	292288	16.051
LOWER LIMIT	98341	10.91	57678	13.557	73072	15.051
EPA SAMPLE NO.						
01 TP-58	153411	11.41	121305	14.07	91137	15.56
02 TP-64	140588	11.40	110239	14.06	80889	15.56

IS4 (PHN) = Phenanthrene-d10

IS5 (CRY) = Chrysene-d12

IS6 (PRY) = Perylene-d12

AREA UPPER LIMIT = +100% of internal standard area

AREA LOWER LIMIT = -50% of internal standard area

RT UPPER LIMIT = +0.50 minutes of internal standard RT

RT UPPER LIMIT = -0.50 minutes of internal standard RT

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

* Values outside of QC limits.

8B

SEMIVOLATILE INTERNAL STANDARD AREA AND RT SUMMARY

Lab Name: Alliance

Lab Code: ACE

SDG NO.: Q2484

Client ID : SSTDCCC040

Date Analyzed: 07/08/2025

Lab File ID: BF143025.D

Time Analyzed: 10:54

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	66813	6.875	257725	8.16	136330	9.92
UPPER LIMIT	133626	7.375	515450	8.663	272660	10.422
LOWER LIMIT	33406.5	6.375	128863	7.663	68165	9.422
EPA SAMPLE NO.						
01 TP-58DL	55124	6.87	205762	8.16	101508	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: Alliance

Lab Code: ACE

SDG NO.: Q2484

Client ID: SSTDCCC040

Date Analyzed: 07/08/2025

Lab File ID: BF143025.D

Time Analyzed: 10:54

Instrument ID: BNA_F

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

01

	IS4 (PHN) AREA #	RT #	IS5 (CRY) AREA #	RT #	IS6 (PRY) AREA #	RT #
12 HOUR STD	218169	11.41	109391	14.063	135350	15.557
UPPER LIMIT	436338	11.91	218782	14.563	270700	16.057
LOWER LIMIT	109085	10.91	54695.5	13.563	67675	15.057
EPA SAMPLE NO.						
TP-58DL	147948	11.40	119601	14.05	141551	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:	CDM Smith	Date Collected:	07/01/25
Project:	South River WM Replacement	Date Received:	07/01/25
Client Sample ID:	TP-58	SDG No.:	Q2484
Lab Sample ID:	Q2484-01	Matrix:	SOIL
Analytical Method:	8270E	% Solid:	86.2
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
BF143018.D	1	07/02/25 08:55	07/07/25 19:51	PB168694

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	25.6	U	25.6	200	ug/Kg
111-44-4	bis(2-Chloroethyl)ether	28.2	U	28.2	200	ug/Kg
95-57-8	2-Chlorophenol	28.3	U	28.3	200	ug/Kg
95-48-7	2-Methylphenol	34.7	U	34.7	200	ug/Kg
108-60-1	2,2-oxybis(1-Chloropropane)	43.5	U	43.5	200	ug/Kg
98-86-2	Acetophenone	34.2	U	34.2	200	ug/Kg
65794-96-9	3+4-Methylphenols	47.7	U	47.7	380	ug/Kg
621-64-7	n-Nitroso-di-n-propylamine	55.0	U	55.0	92.8	ug/Kg
67-72-1	Hexachloroethane	20.4	U	20.4	200	ug/Kg
98-95-3	Nitrobenzene	21.2	U	21.2	200	ug/Kg
78-59-1	Isophorone	38.0	U	38.0	200	ug/Kg
88-75-5	2-Nitrophenol	67.5	U	67.5	200	ug/Kg
105-67-9	2,4-Dimethylphenol	75.1	U	75.1	200	ug/Kg
111-91-1	bis(2-Chloroethoxy)methane	35.7	U	35.7	200	ug/Kg
120-83-2	2,4-Dichlorophenol	32.8	U	32.8	200	ug/Kg
91-20-3	Naphthalene	140	J	26.3	200	ug/Kg
106-47-8	4-Chloroaniline	41.1	U	41.1	200	ug/Kg
87-68-3	Hexachlorobutadiene	29.3	U	29.3	200	ug/Kg
105-60-2	Caprolactam	60.4	U	60.4	380	ug/Kg
59-50-7	4-Chloro-3-methylphenol	33.3	U	33.3	200	ug/Kg
91-57-6	2-Methylnaphthalene	170	J	29.7	200	ug/Kg
77-47-4	Hexachlorocyclopentadiene	130	U	130	380	ug/Kg
88-06-2	2,4,6-Trichlorophenol	23.0	U	23.0	200	ug/Kg
95-95-4	2,4,5-Trichlorophenol	33.7	U	33.7	200	ug/Kg
92-52-4	1,1-Biphenyl	130	J	25.3	200	ug/Kg
91-58-7	2-Chloronaphthalene	26.1	U	26.1	200	ug/Kg
88-74-4	2-Nitroaniline	55.8	U	55.8	200	ug/Kg
131-11-3	Dimethylphthalate	31.4	U	31.4	200	ug/Kg

Report of Analysis

Client:	CDM Smith	Date Collected:	07/01/25
Project:	South River WM Replacement	Date Received:	07/01/25
Client Sample ID:	TP-58	SDG No.:	Q2484
Lab Sample ID:	Q2484-01	Matrix:	SOIL
Analytical Method:	8270E	% Solid:	86.2
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
BF143018.D	1	07/02/25 08:55	07/07/25 19:51	PB168694

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units(Dry Weight)
208-96-8	Acenaphthylene	230		33.5	200	ug/Kg
606-20-2	2,6-Dinitrotoluene	39.0	U	39.0	200	ug/Kg
99-09-2	3-Nitroaniline	53.3	U	53.3	200	ug/Kg
83-32-9	Acenaphthene	510		24.7	200	ug/Kg
51-28-5	2,4-Dinitrophenol	270	U	270	380	ug/Kg
100-02-7	4-Nitrophenol	120	U	120	380	ug/Kg
132-64-9	Dibenzofuran	1200		26.3	200	ug/Kg
121-14-2	2,4-Dinitrotoluene	58.1	U	58.1	200	ug/Kg
84-66-2	Diethylphthalate	32.8	U	32.8	200	ug/Kg
7005-72-3	4-Chlorophenyl-phenylether	31.0	U	31.0	200	ug/Kg
86-73-7	Fluorene	1500		29.3	200	ug/Kg
100-01-6	4-Nitroaniline	74.5	U	74.5	200	ug/Kg
534-52-1	4,6-Dinitro-2-methylphenol	120	U	120	380	ug/Kg
86-30-6	n-Nitrosodiphenylamine	38.2	U	38.2	200	ug/Kg
101-55-3	4-Bromophenyl-phenylether	32.2	U	32.2	200	ug/Kg
118-74-1	Hexachlorobenzene	29.3	U	29.3	200	ug/Kg
1912-24-9	Atrazine	39.4	U	39.4	200	ug/Kg
87-86-5	Pentachlorophenol	59.5	U	59.5	380	ug/Kg
85-01-8	Phenanthrene	8100	E	24.2	200	ug/Kg
120-12-7	Anthracene	1600		38.6	200	ug/Kg
86-74-8	Carbazole	900		36.2	200	ug/Kg
84-74-2	Di-n-butylphthalate	55.5	U	55.5	200	ug/Kg
206-44-0	Fluoranthene	10800	E	34.8	200	ug/Kg
129-00-0	Pyrene	6200	E	41.7	200	ug/Kg
85-68-7	Butylbenzylphthalate	82.8	UQ	82.8	200	ug/Kg
91-94-1	3,3-Dichlorobenzidine	42.6	U	42.6	380	ug/Kg
56-55-3	Benzo(a)anthracene	4400	E	26.7	200	ug/Kg
218-01-9	Chrysene	3600	E	23.1	200	ug/Kg
117-81-7	Bis(2-ethylhexyl)phthalate	68.7	U	68.7	200	ug/Kg
117-84-0	Di-n-octyl phthalate	100	U	100	380	ug/Kg
205-99-2	Benzo(b)fluoranthene	5000	E	22.0	200	ug/Kg

Report of Analysis

Client:	CDM Smith	Date Collected:	07/01/25
Project:	South River WM Replacement	Date Received:	07/01/25
Client Sample ID:	TP-58	SDG No.:	Q2484
Lab Sample ID:	Q2484-01	Matrix:	SOIL
Analytical Method:	8270E	% Solid:	86.2
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
BF143018.D	1	07/02/25 08:55	07/07/25 19:51	PB168694

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units(Dry Weight)
207-08-9	Benzo(k)fluoranthene	2100		26.0	200	ug/Kg
50-32-8	Benzo(a)pyrene	3300	E	34.2	200	ug/Kg
193-39-5	Indeno(1,2,3-cd)pyrene	1500		33.7	200	ug/Kg
53-70-3	Dibenzo(a,h)anthracene	450		31.8	200	ug/Kg
191-24-2	Benzo(g,h,i)perylene	1700		29.8	200	ug/Kg
95-94-3	1,2,4,5-Tetrachlorobenzene	29.7	U	29.7	200	ug/Kg
123-91-1	1,4-Dioxane	52.4	U	52.4	200	ug/Kg
58-90-2	2,3,4,6-Tetrachlorophenol	31.8	U	31.8	200	ug/Kg
SURROGATES						
367-12-4	2-Fluorophenol	73.9		18 - 112	49%	SPK: 150
13127-88-3	Phenol-d6	71.1		15 - 107	47%	SPK: 150
4165-60-0	Nitrobenzene-d5	45.7		18 - 107	46%	SPK: 100
321-60-8	2-Fluorobiphenyl	38.4		20 - 109	38%	SPK: 100
118-79-6	2,4,6-Tribromophenol	75.7		10 - 116	50%	SPK: 150
1718-51-0	Terphenyl-d14	33.8		10 - 105	34%	SPK: 100
INTERNAL STANDARDS						
3855-82-1	1,4-Dichlorobenzene-d4	47800	6.875			
1146-65-2	Naphthalene-d8	166000	8.157			
15067-26-2	Acenaphthene-d10	87500	9.916			
1517-22-2	Phenanthrene-d10	153000	11.41			
1719-03-5	Chrysene-d12	121000	14.068			
1520-96-3	Perylene-d12	91100	15.562			
TENTATIVE IDENTIFIED COMPOUNDS						
000123-42-2	2-Pentanone, 4-hydroxy-4-methyl-	210	AB		5.09	ug/Kg
90-12-0	1-Methylnaphthalene	230	J		8.97	ug/Kg
000571-61-9	Naphthalene, 1,5-dimethyl-	230	J		9.50	ug/Kg
000581-40-8	Naphthalene, 2,3-dimethyl-	270	J		9.57	ug/Kg
000582-16-1	Naphthalene, 2,7-dimethyl-	110	J		9.60	ug/Kg
000571-58-4	Naphthalene, 1,4-dimethyl-	150	J		9.69	ug/Kg
Total PAH	Total PAH	51100	J		9.95	ug/Kg

Report of Analysis

Client:	CDM Smith	Date Collected:	07/01/25
Project:	South River WM Replacement	Date Received:	07/01/25
Client Sample ID:	TP-58	SDG No.:	Q2484
Lab Sample ID:	Q2484-01	Matrix:	SOIL
Analytical Method:	8270E	% Solid:	86.2
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
BF143018.D	1	07/02/25 08:55	07/07/25 19:51	PB168694

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units(Dry Weight)
000829-26-5	Naphthalene, 2,3,6-trimethyl-	120	J		10.2	ug/Kg
002245-38-7	Naphthalene, 1,6,7-trimethyl-	220	J		10.3	ug/Kg
000119-61-9	Benzophenone	610	J		10.6	ug/Kg
002531-84-2	Phenanthrene, 2-methyl-	97.0	J		11.9	ug/Kg
000203-64-5	4H-Cyclopenta[def]phenanthrene	160	J		12.0	ug/Kg
002381-21-7	Pyrene, 1-methyl-	150	J		13.1	ug/Kg
000243-17-4	11H-Benzo[b]fluorene	150	J		13.2	ug/Kg
003353-12-6	Pyrene, 4-methyl-	120	J		13.3	ug/Kg
000479-79-8	11H-Benzo[a]fluoren-11-one	130	J		13.7	ug/Kg
000239-35-0	Benzo[b]naphtho[2,1-d]thiophene	150	J		13.8	ug/Kg
027208-37-3	Cyclopenta[cd]pyrene	130	J		13.9	ug/Kg
000082-05-3	7H-Benz[de]anthracen-7-one	130	J		13.9	ug/Kg
000604-53-5	1,1-Binaphthalene	590	J		15.0	ug/Kg
000192-97-2	Benzo[e]pyrene	610	J		15.2	ug/Kg

U = Not Detected

LOQ = Limit of Quantitation

MDL = Method Detection Limit

LOD = Limit of Detection

E = Value Exceeds Calibration Range

Q = indicates LCS control criteria did not meet requirements

M = MS/MSD acceptance criteria did not meet requirements

J = Estimated Value

B = Analyte Found in Associated Method Blank

N = Presumptive Evidence of a Compound

* = Values outside of QC limits

D = Dilution

() = Laboratory InHouse Limit

A = Aldol-Condensation Reaction Products

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF070725\
 Data File : BF143018.D
 Acq On : 07 Jul 2025 19:51
 Operator : RC/JU
 Sample : Q2484-01
 Misc :
 ALS Vial : 17 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 TP-58

Quant Time: Jul 08 00:58:43 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

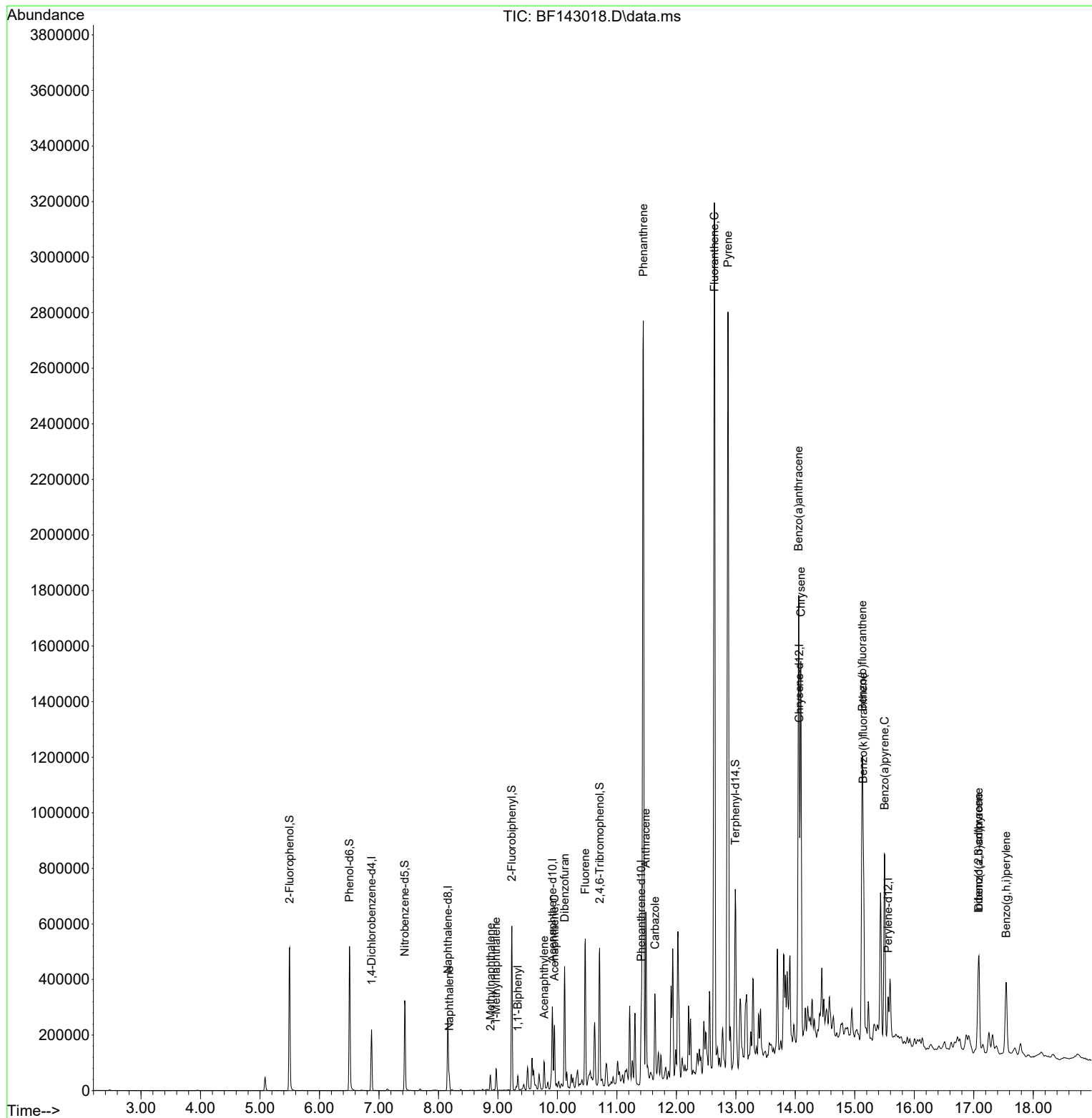
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) 1,4-Dichlorobenzene-d4	6.875	152	47809	20.000	ng	0.00
21) Naphthalene-d8	8.157	136	165637	20.000	ng	-0.01
39) Acenaphthene-d10	9.916	164	87479	20.000	ng	0.00
64) Phenanthrene-d10	11.410	188	153411	20.000	ng	0.00
76) Chrysene-d12	14.068	240	121305	20.000	ng	0.01
86) Perylene-d12	15.562	264	91137	20.000	ng	0.02
System Monitoring Compounds						
5) 2-Fluorophenol	5.498	112	212095	73.861	ng	0.00
7) Phenol-d6	6.504	99	240873	71.099	ng	0.00
23) Nitrobenzene-d5	7.434	82	138045	45.714	ng	-0.01
42) 2,4,6-Tribromophenol	10.710	330	68149	75.703	ng	0.00
45) 2-Fluorobiphenyl	9.233	172	255874	38.425	ng	-0.01
79) Terphenyl-d14	12.992	244	296623	33.786	ng	0.00
Target Compounds						
						Qvalue
31) Naphthalene	8.181	128	30340	3.742	ng	99
37) 2-Methylnaphthalene	8.875	142	22330	4.442	ng	98
38) 1-Methylnaphthalene	8.969	142	30703	5.901	ng	98
46) 1,1'-Biphenyl	9.333	154	22726	3.289	ng	99
49) Acenaphthylene	9.780	152	50466	5.912	ng	98
52) Acenaphthene	9.951	154	69279	13.301	ng	97
55) Dibenzofuran	10.122	168	223776	29.961	ng	99
58) Fluorene	10.469	166	219122	37.565	ng	100
71) Phenanthrene	11.445	178	1749875	210.568	ng	99
72) Anthracene	11.486	178	345091	40.490	ng	99
73) Carbazole	11.639	167	170886	23.234	ng	99
75) Fluoranthene	12.639	202	2194081	278.194	ng	97
78) Pyrene	12.868	202	1818518	159.934	ng	97
81) Benzo(a)anthracene	14.057	228	926736	113.247	ng	97
83) Chrysene	14.092	228	688349	94.267	ng	98
87) Indeno(1,2,3-cd)pyrene	17.080	276	264615	38.119	ng	94
88) Benzo(b)fluoranthene	15.127	252	683187m	129.549	ng	
89) Benzo(k)fluoranthene	15.139	252	273984m	55.532	ng	
90) Benzo(a)pyrene	15.504	252	434413	85.268	ng	99
91) Dibenzo(a,h)anthracene	17.086	278	65799m	11.666	ng	
92) Benzo(g,h,i)perylene	17.545	276	242264	43.074	ng	98

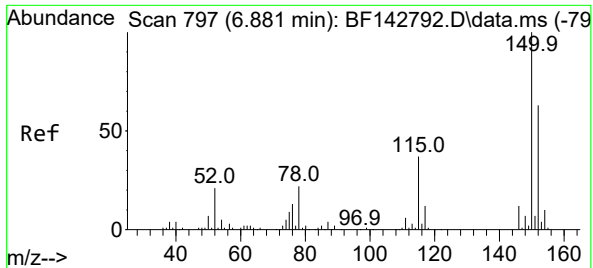
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF070725\
Data File : BF143018.D
Acq On : 07 Jul 2025 19:51
Operator : RC/JU
Sample : Q2484-01
Misc :
ALS Vial : 17 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
TP-58

Quant Time: Jul 08 00:58:43 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

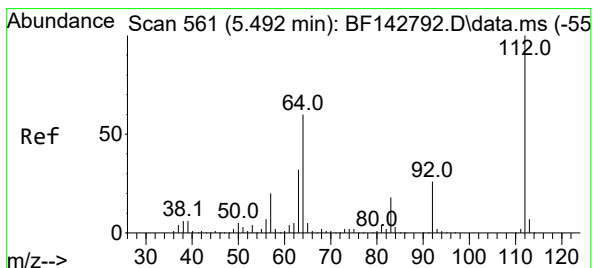
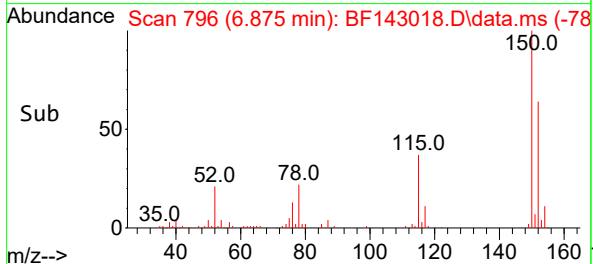
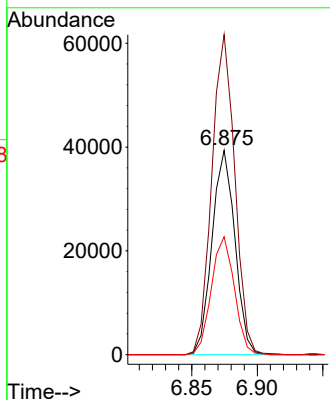
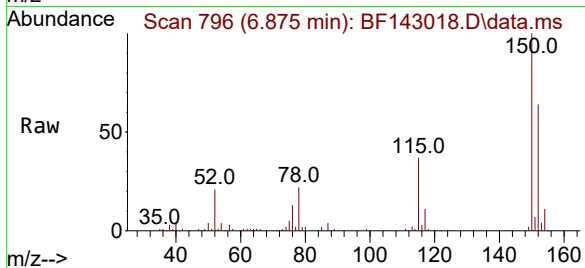




#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.875 min Scan# 79
Delta R.T. -0.006 min
Lab File: BF143018.D
Acq: 07 Jul 2025 19:51

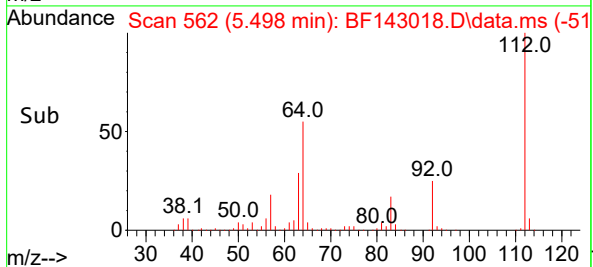
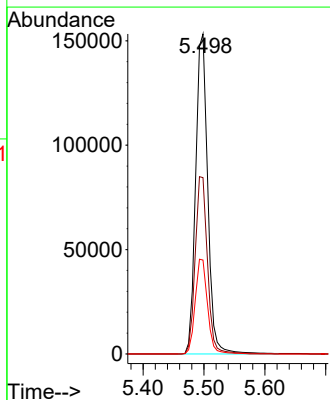
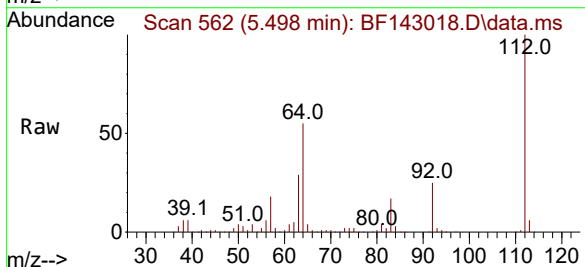
Instrument :
BNA_F
ClientSampleId :
TP-58

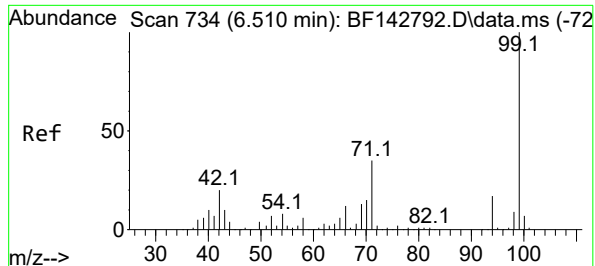
Tgt Ion:152 Resp: 47809
Ion Ratio Lower Upper
152 100
150 156.6 127.2 190.8
115 57.7 46.6 69.8



#5
2-Fluorophenol
Concen: 73.861 ng
RT: 5.498 min Scan# 562
Delta R.T. 0.006 min
Lab File: BF143018.D
Acq: 07 Jul 2025 19:51

Tgt Ion:112 Resp: 212095
Ion Ratio Lower Upper
112 100
64 55.1 48.2 72.2
63 29.3 25.7 38.5

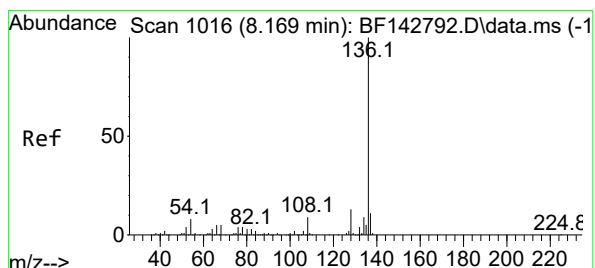
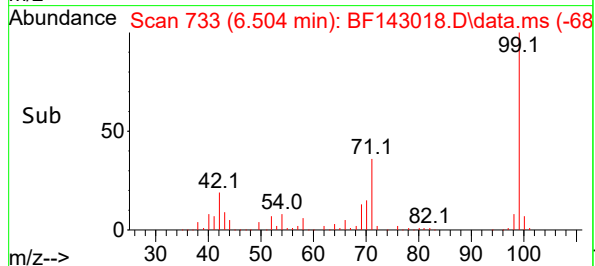
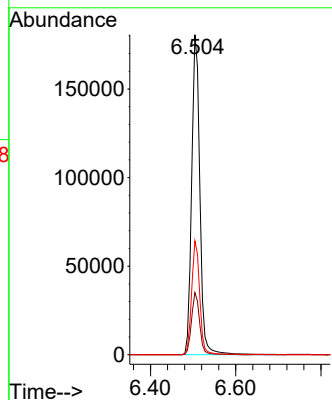
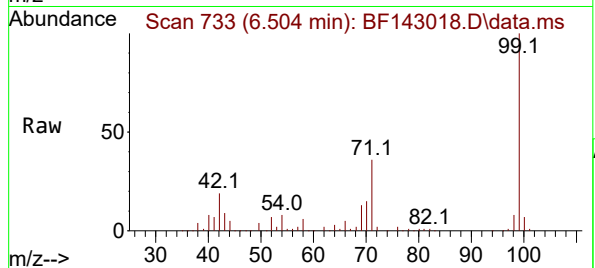




#7
Phenol-d6
Concen: 71.099 ng
RT: 6.504 min Scan# 71
Delta R.T. -0.006 min
Lab File: BF143018.D
Acq: 07 Jul 2025 19:51

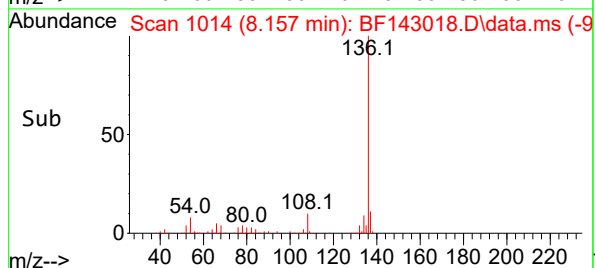
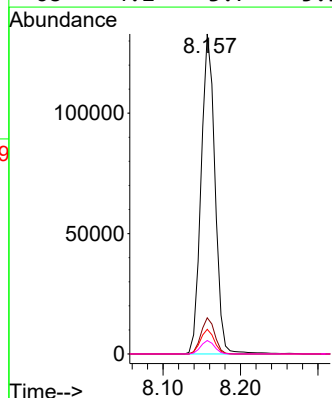
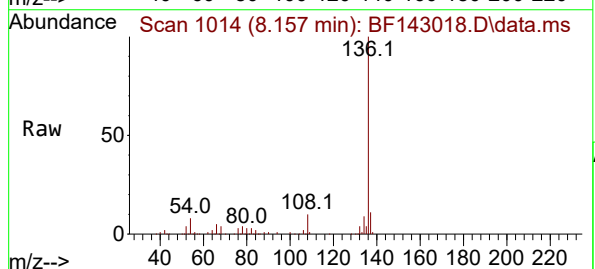
Instrument :
BNA_F
ClientSampleId :
TP-58

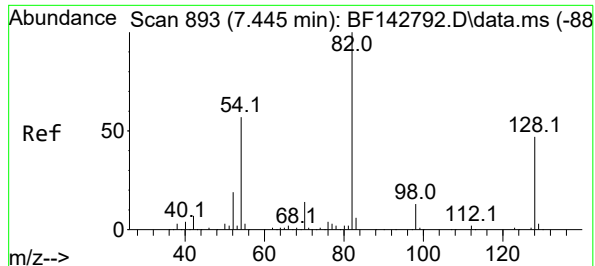
Tgt Ion: 99 Resp: 240873
Ion Ratio Lower Upper
99 100
42 19.4 15.9 23.9
71 35.5 27.8 41.8



#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.157 min Scan# 1014
Delta R.T. -0.012 min
Lab File: BF143018.D
Acq: 07 Jul 2025 19:51

Tgt Ion: 136 Resp: 165637
Ion Ratio Lower Upper
136 100
137 11.3 8.4 12.6
54 7.7 6.3 9.5
68 4.2 3.7 5.5





#23

Nitrobenzene-d5

Concen: 45.714 ng

RT: 7.434 min Scan# 89

Delta R.T. -0.011 min

Lab File: BF143018.D

Acq: 07 Jul 2025 19:51

Instrument :

BNA_F

ClientSampleId :

TP-58

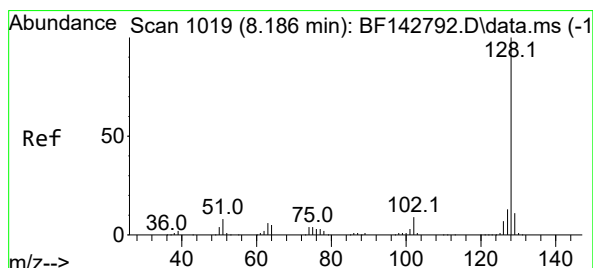
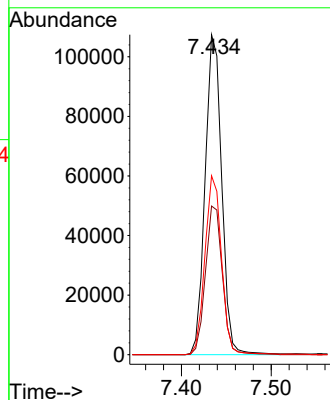
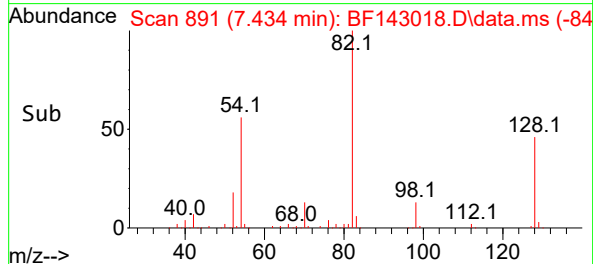
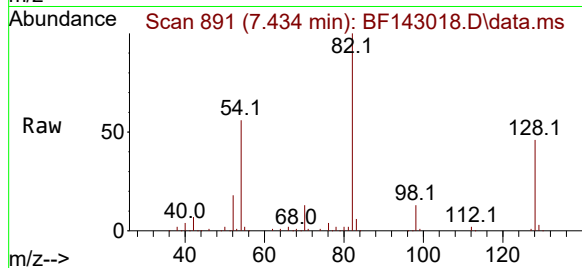
Tgt Ion: 82 Resp: 138045

Ion Ratio Lower Upper

82 100

128 46.5 37.7 56.5

54 55.9 45.7 68.5



#31

Naphthalene

Concen: 3.742 ng

RT: 8.181 min Scan# 1018

Delta R.T. -0.006 min

Lab File: BF143018.D

Acq: 07 Jul 2025 19:51

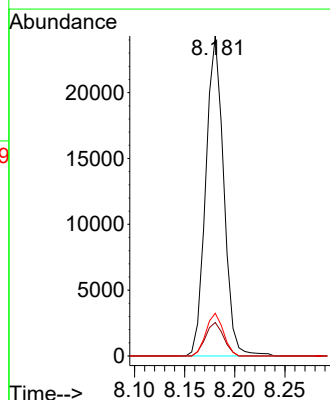
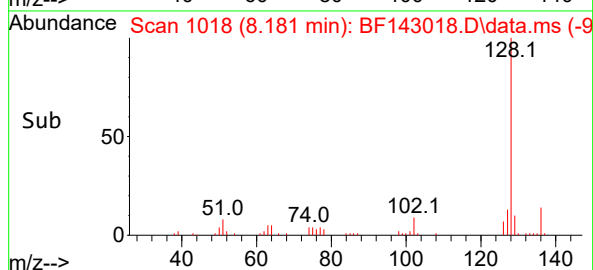
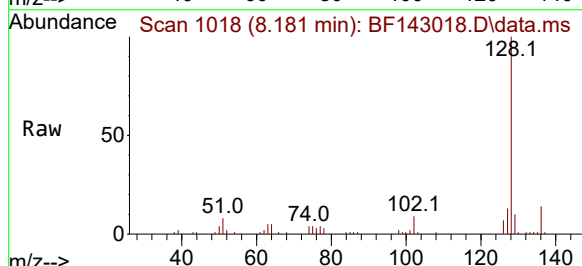
Tgt Ion: 128 Resp: 30340

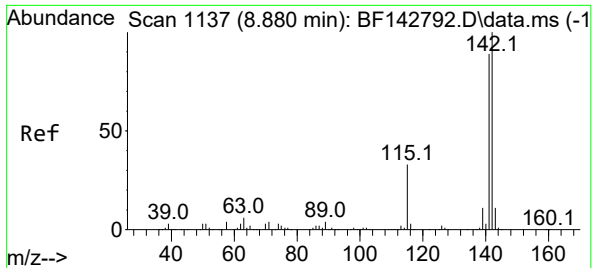
Ion Ratio Lower Upper

128 100

129 10.5 8.9 13.3

127 13.3 10.4 15.6

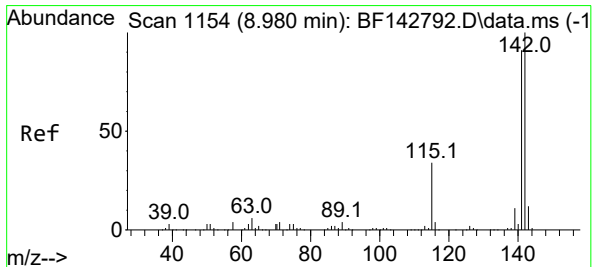
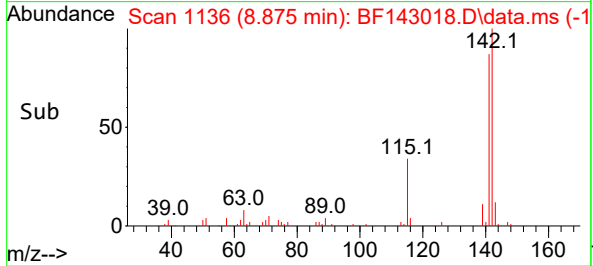
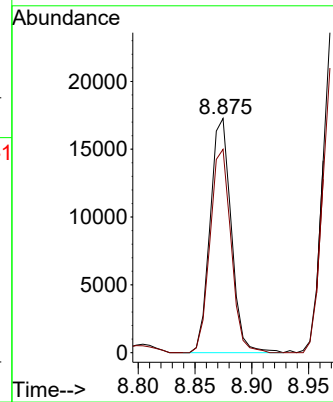
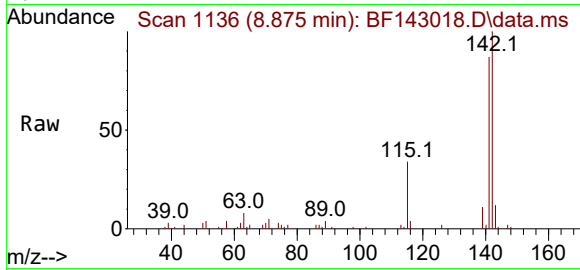




#37
2-Methylnaphthalene
Concen: 4.442 ng
RT: 8.875 min Scan# 1136
Delta R.T. -0.006 min
Lab File: BF143018.D
Acq: 07 Jul 2025 19:51

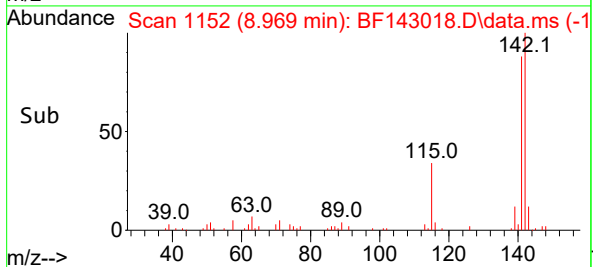
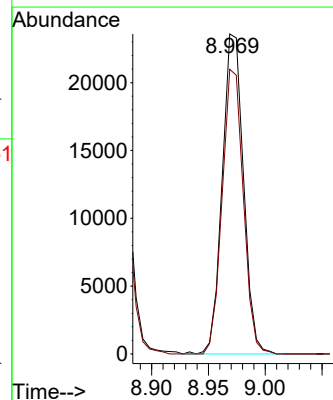
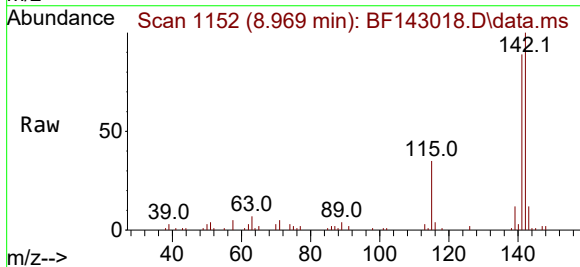
Instrument :
BNA_F
ClientSampleId :
TP-58

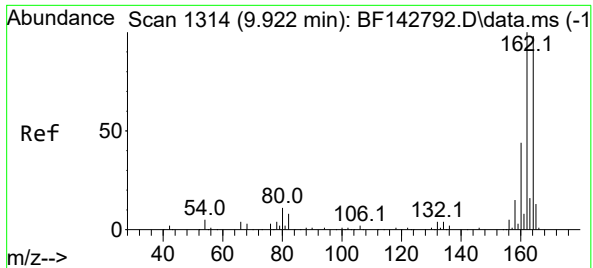
Tgt Ion:142 Resp: 22330
Ion Ratio Lower Upper
142 100
141 86.9 70.9 106.3



#38
1-Methylnaphthalene
Concen: 5.901 ng
RT: 8.969 min Scan# 1152
Delta R.T. -0.012 min
Lab File: BF143018.D
Acq: 07 Jul 2025 19:51

Tgt Ion:142 Resp: 30703
Ion Ratio Lower Upper
142 100
141 88.9 73.0 109.4





#39

Acenaphthene-d10

Concen: 20.000 ng

RT: 9.916 min Scan# 11

Delta R.T. -0.006 min

Lab File: BF143018.D

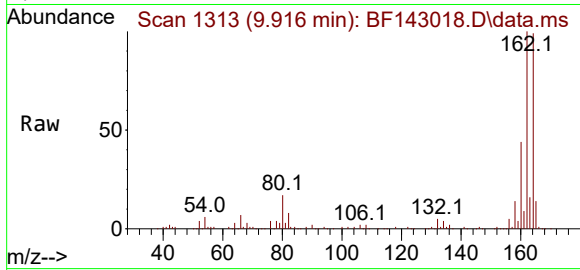
Acq: 07 Jul 2025 19:51

Instrument :

BNA_F

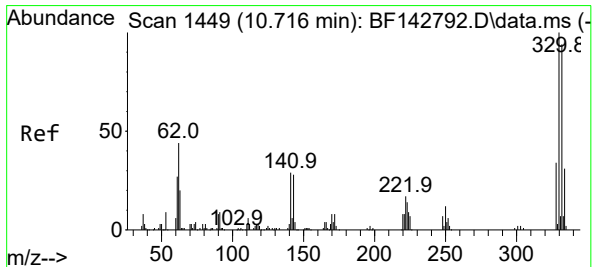
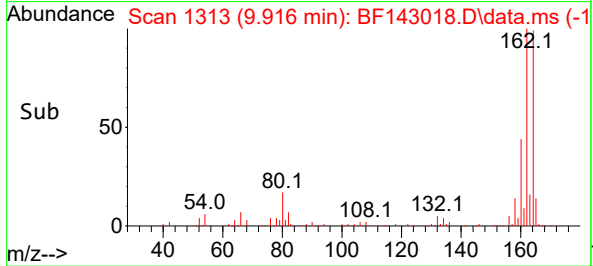
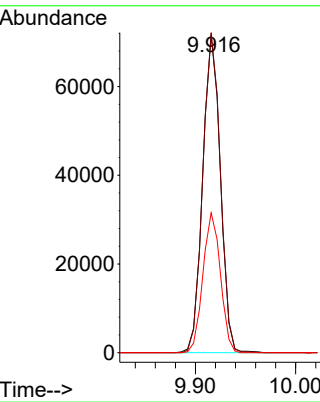
ClientSampleId :

TP-58



Tgt Ion:164 Resp: 87479

Ion	Ratio	Lower	Upper
164	100		
162	100.7	81.8	122.8
160	44.0	36.0	54.0



#42

2,4,6-Tribromophenol

Concen: 75.703 ng

RT: 10.710 min Scan# 1448

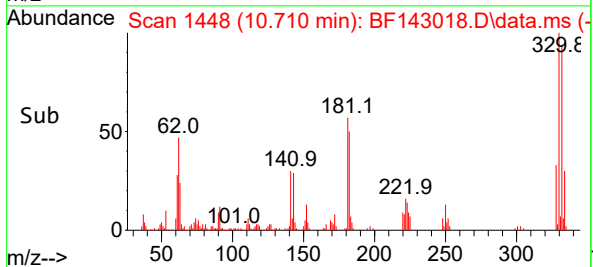
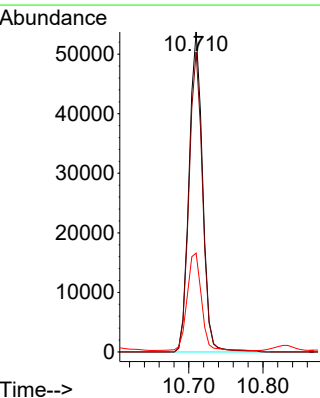
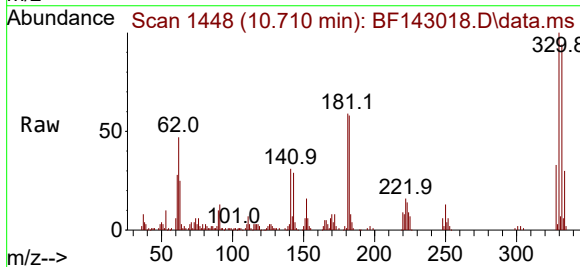
Delta R.T. -0.006 min

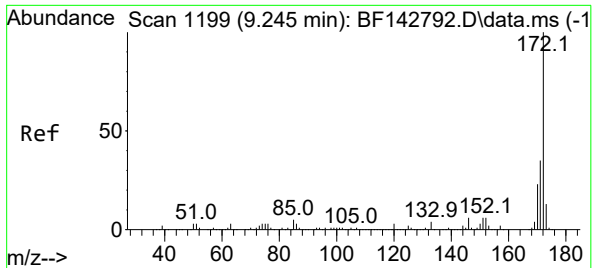
Lab File: BF143018.D

Acq: 07 Jul 2025 19:51

Tgt Ion:330 Resp: 68149

Ion	Ratio	Lower	Upper
330	100		
332	93.8	75.0	112.6
141	32.2	25.3	37.9





#45

2-Fluorobiphenyl

Concen: 38.425 ng

RT: 9.233 min Scan# 1197

Delta R.T. -0.012 min

Lab File: BF143018.D

Acq: 07 Jul 2025 19:51

Instrument :

BNA_F

ClientSampleId :

TP-58

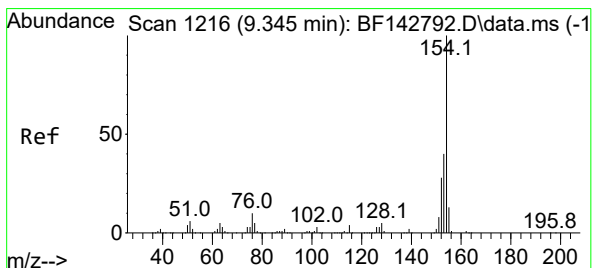
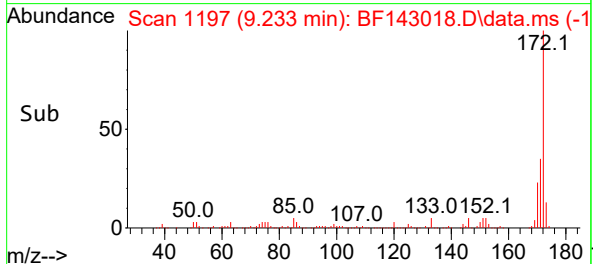
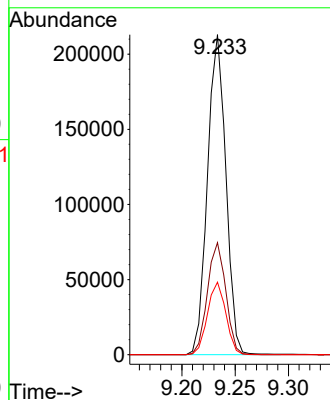
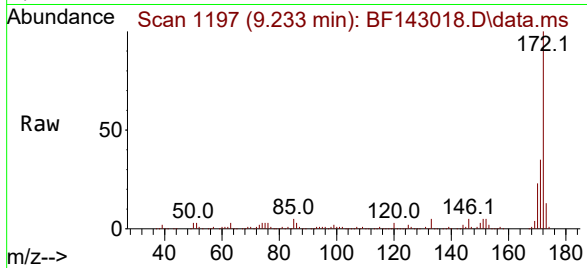
Tgt Ion:172 Resp: 255874

Ion Ratio Lower Upper

172 100

171 35.0 28.2 42.4

170 22.7 18.5 27.7



#46

1,1'-Biphenyl

Concen: 3.289 ng

RT: 9.333 min Scan# 1214

Delta R.T. -0.012 min

Lab File: BF143018.D

Acq: 07 Jul 2025 19:51

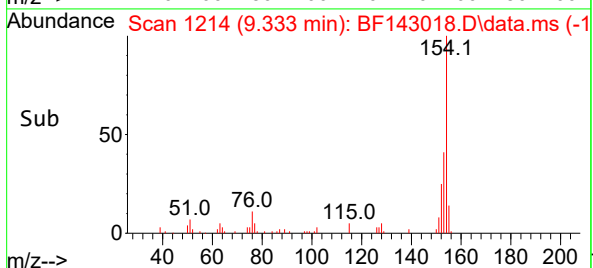
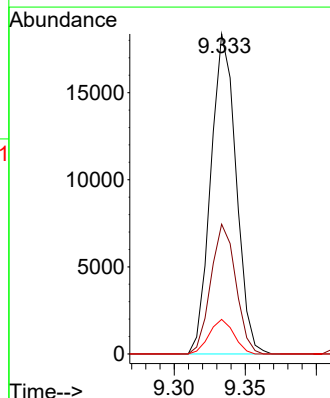
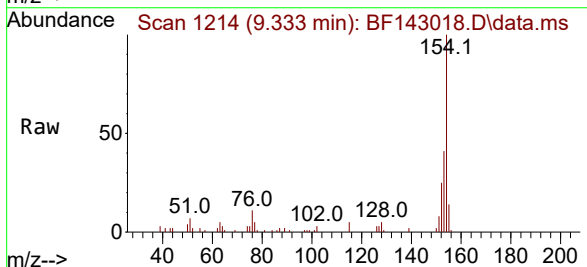
Tgt Ion:154 Resp: 22726

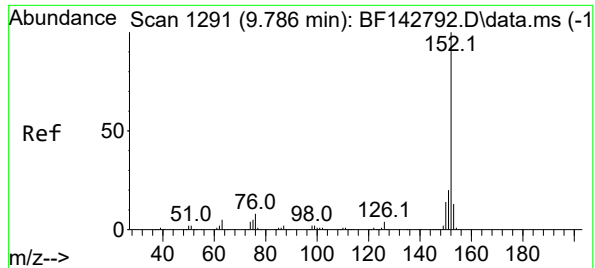
Ion Ratio Lower Upper

154 100

153 40.6 20.3 60.3

76 10.8 0.0 30.3





#49

Acenaphthylene

Concen: 5.912 ng

RT: 9.780 min Scan# 1319

Delta R.T. -0.006 min

Lab File: BF143018.D

Acq: 07 Jul 2025 19:51

Instrument :

BNA_F

ClientSampleId :

TP-58

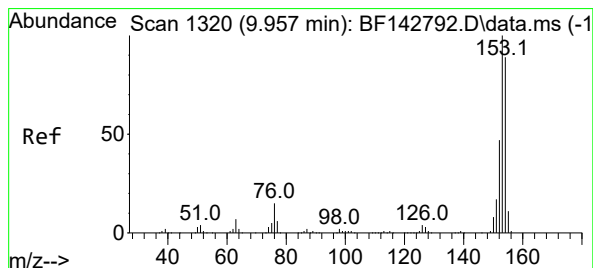
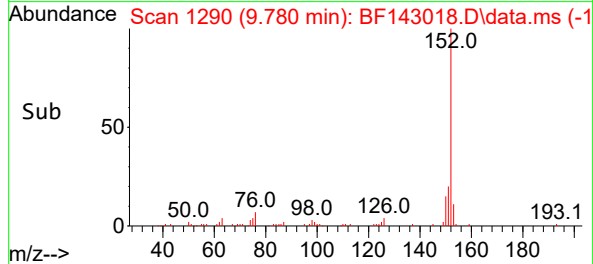
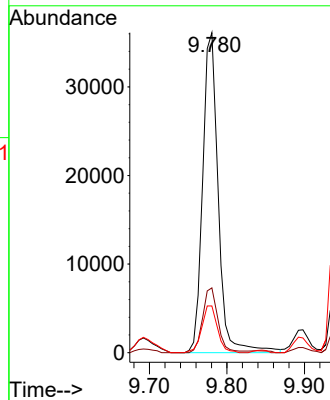
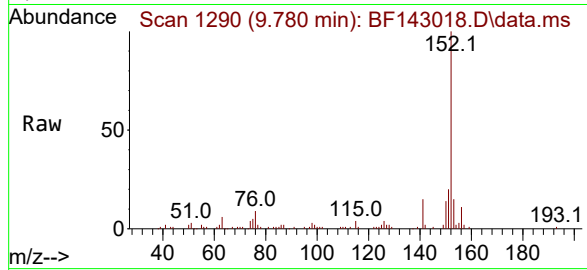
Tgt Ion:152 Resp: 50466

Ion Ratio Lower Upper

152 100

151 20.2 16.1 24.1

153 14.6 10.4 15.6



#52

Acenaphthene

Concen: 13.301 ng

RT: 9.951 min Scan# 1319

Delta R.T. -0.006 min

Lab File: BF143018.D

Acq: 07 Jul 2025 19:51

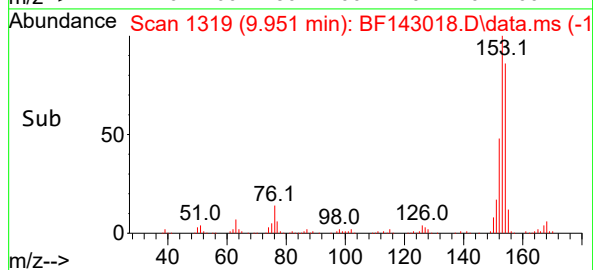
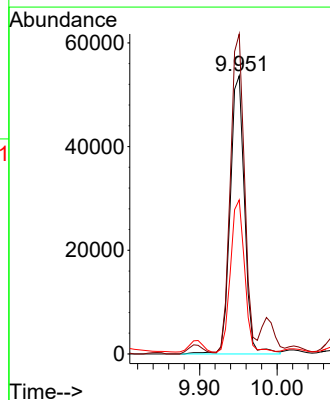
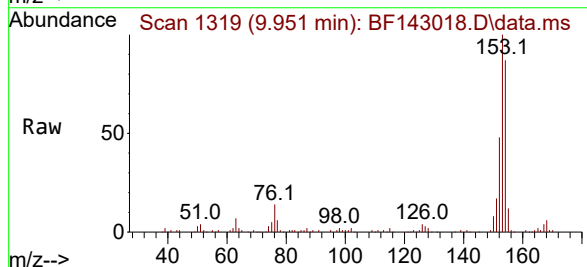
Tgt Ion:154 Resp: 69279

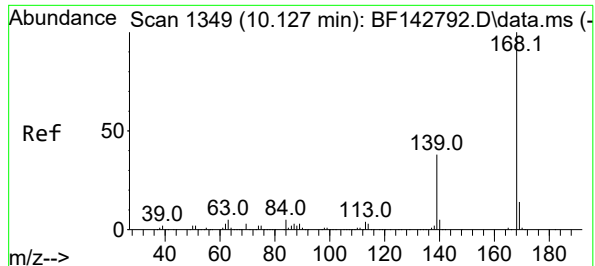
Ion Ratio Lower Upper

154 100

153 115.0 90.0 135.0

152 55.4 41.9 62.9





#55

Dibenzenofuran

Concen: 29.961 ng

RT: 10.122 min Scan# 11

Delta R.T. -0.006 min

Lab File: BF143018.D

Acq: 07 Jul 2025 19:51

Instrument :

BNA_F

ClientSampleId :

TP-58

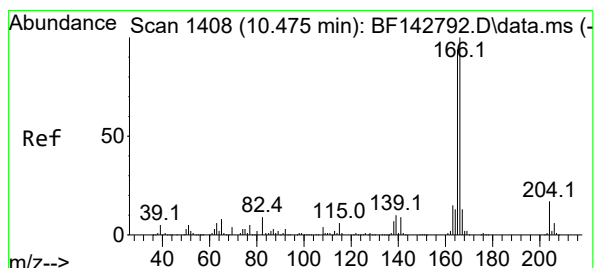
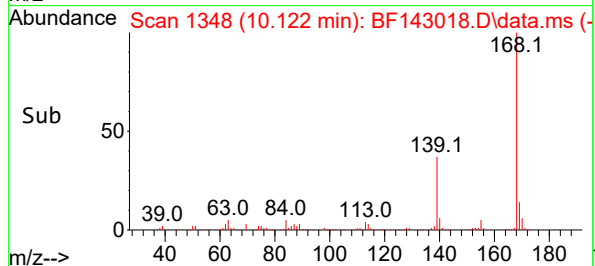
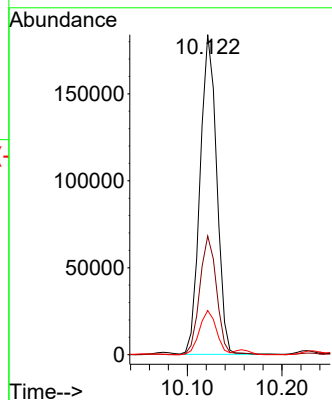
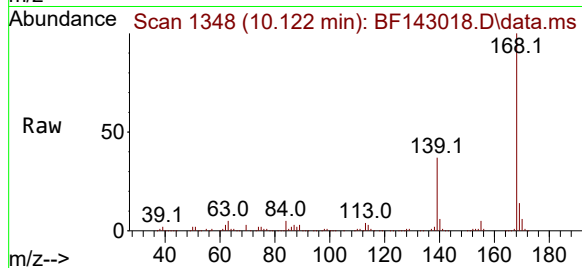
Tgt Ion:168 Resp: 223776

Ion Ratio Lower Upper

168 100

139 37.1 30.2 45.4

169 13.8 10.8 16.2



#58

Fluorene

Concen: 37.565 ng

RT: 10.469 min Scan# 1407

Delta R.T. -0.006 min

Lab File: BF143018.D

Acq: 07 Jul 2025 19:51

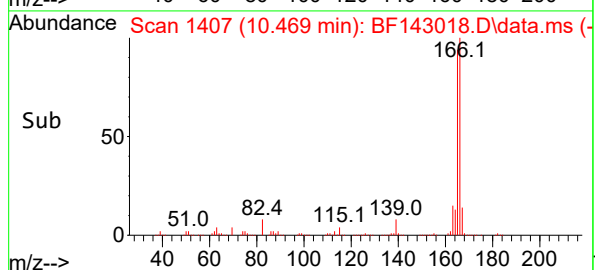
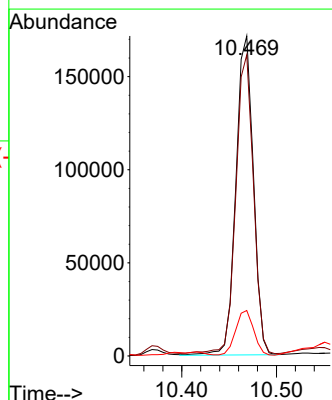
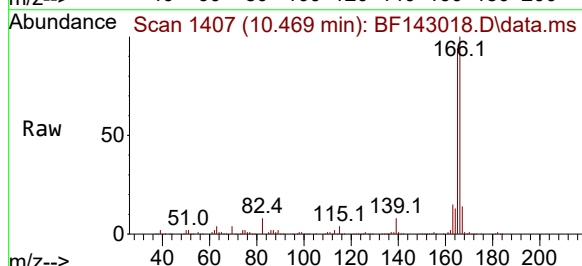
Tgt Ion:166 Resp: 219122

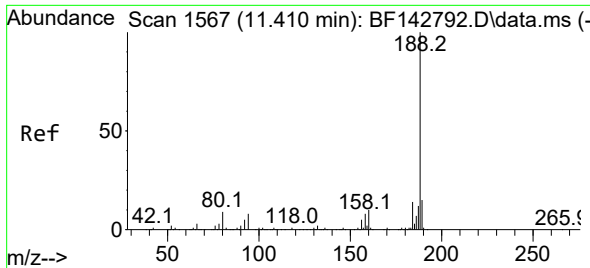
Ion Ratio Lower Upper

166 100

165 94.1 75.2 112.8

167 14.2 10.6 15.8

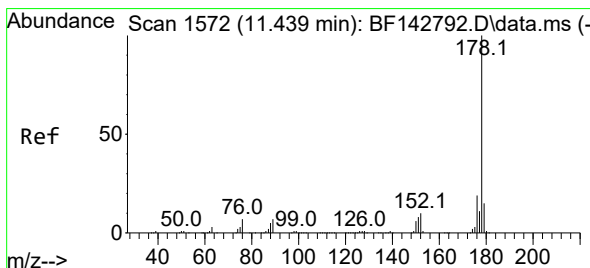
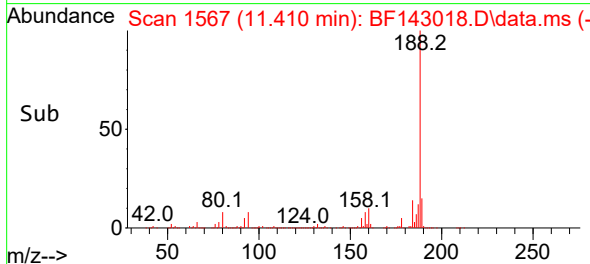
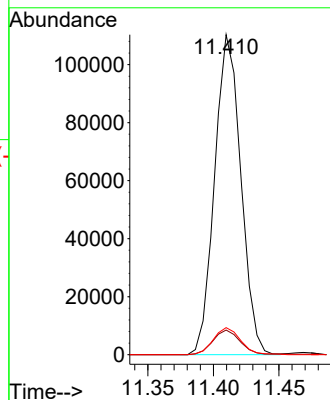
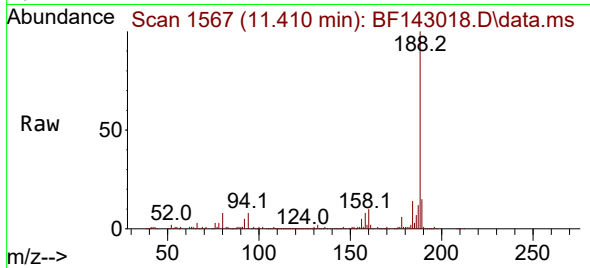




#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.410 min Scan# 1567
Delta R.T. 0.000 min
Lab File: BF143018.D
Acq: 07 Jul 2025 19:51

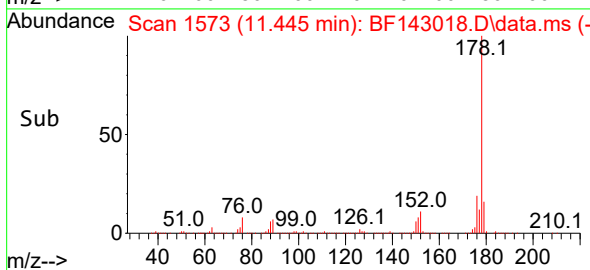
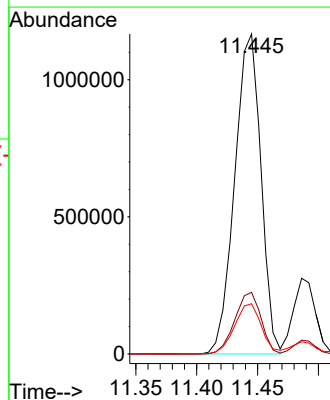
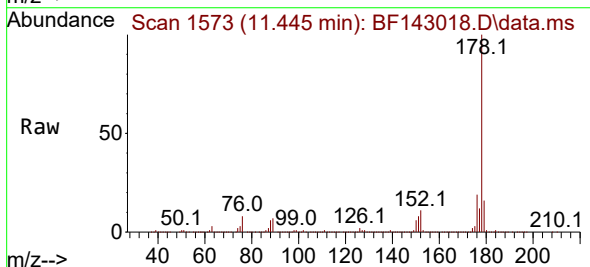
Instrument :
BNA_F
ClientSampleId :
TP-58

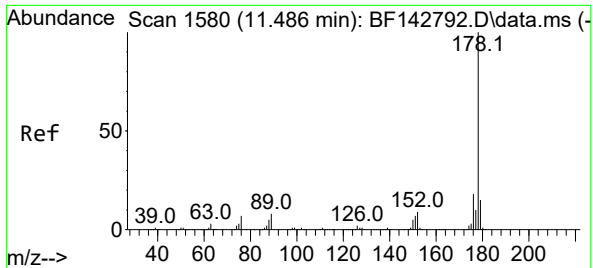
Tgt Ion	Ratio	Lower	Upper
188	100		
94	7.7	6.7	10.1
80	8.4	6.9	10.3



#71
Phenanthrene
Concen: 210.568 ng
RT: 11.445 min Scan# 1573
Delta R.T. 0.006 min
Lab File: BF143018.D
Acq: 07 Jul 2025 19:51

Tgt Ion	Ratio	Lower	Upper
178	100		
176	19.3	15.1	22.7
179	15.7	12.0	18.0

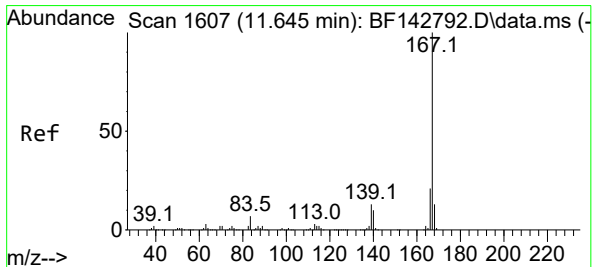
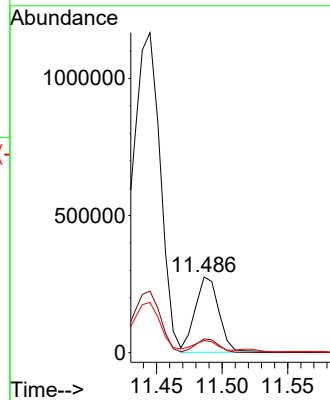
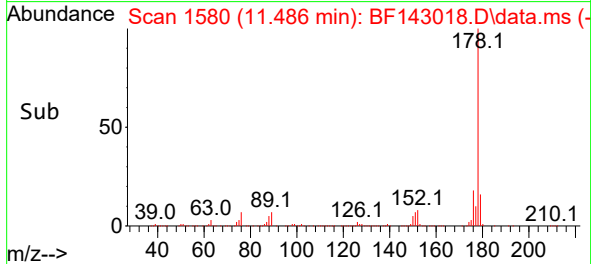
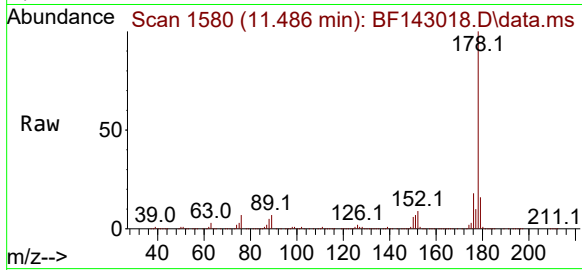




#72
Anthracene
Concen: 40.490 ng
RT: 11.486 min Scan# 1580
Delta R.T. 0.000 min
Lab File: BF143018.D
Acq: 07 Jul 2025 19:51

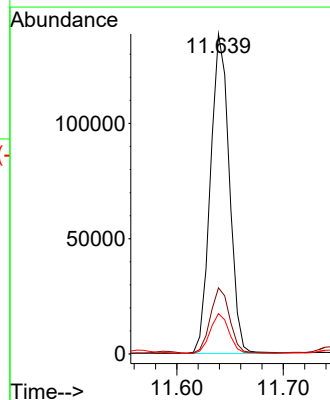
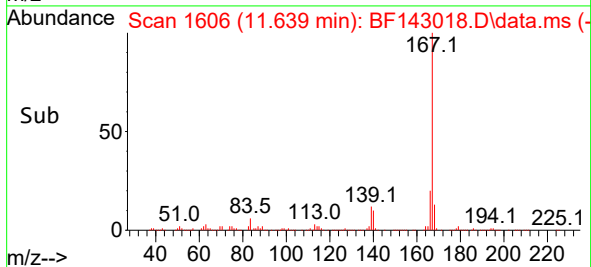
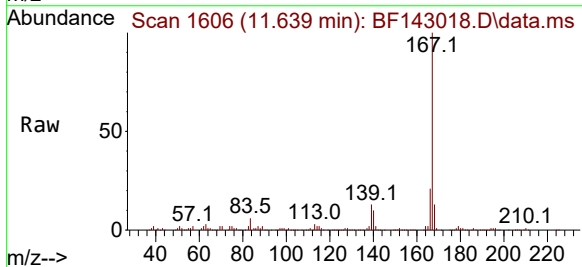
Instrument :
BNA_F
ClientSampleId :
TP-58

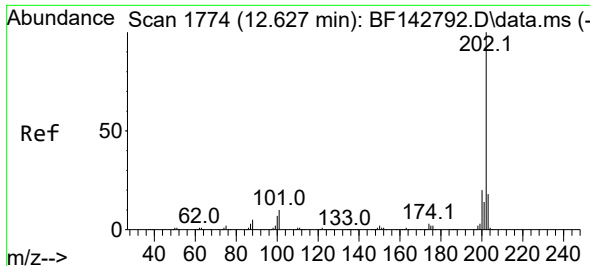
Tgt Ion:178 Resp: 345091
Ion Ratio Lower Upper
178 100
176 18.1 14.6 21.8
179 16.0 12.4 18.6



#73
Carbazole
Concen: 23.234 ng
RT: 11.639 min Scan# 1606
Delta R.T. -0.006 min
Lab File: BF143018.D
Acq: 07 Jul 2025 19:51

Tgt Ion:167 Resp: 170886
Ion Ratio Lower Upper
167 100
166 20.6 17.0 25.4
139 12.6 10.2 15.2

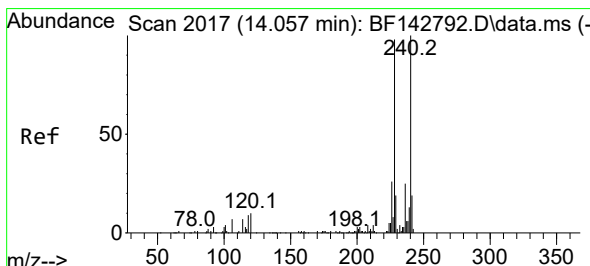
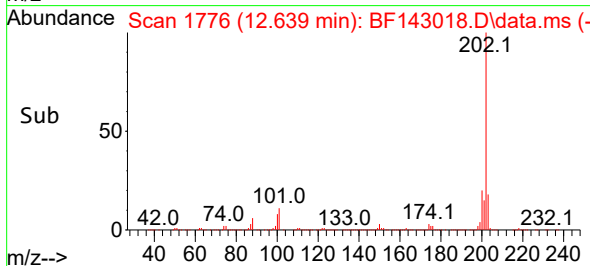
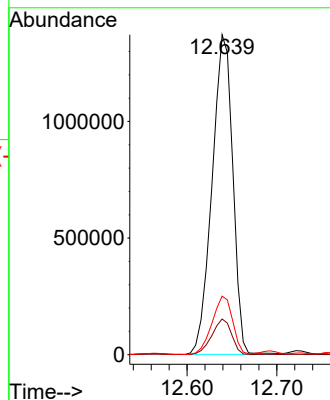
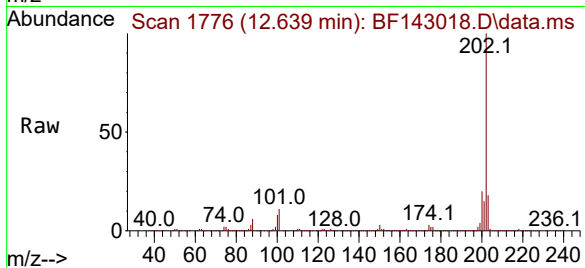




#75
Fluoranthene
Concen: 278.194 ng
RT: 12.639 min Scan# 11
Delta R.T. 0.012 min
Lab File: BF143018.D
Acq: 07 Jul 2025 19:51

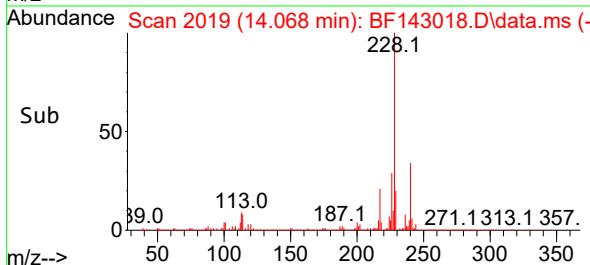
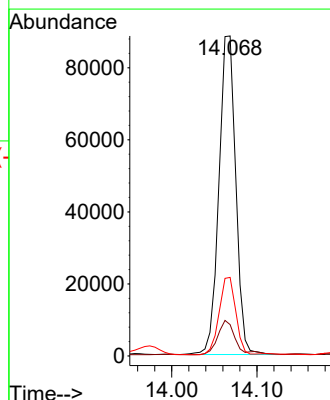
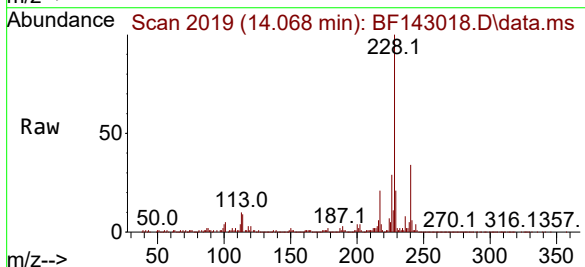
Instrument :
BNA_F
ClientSampleId :
TP-58

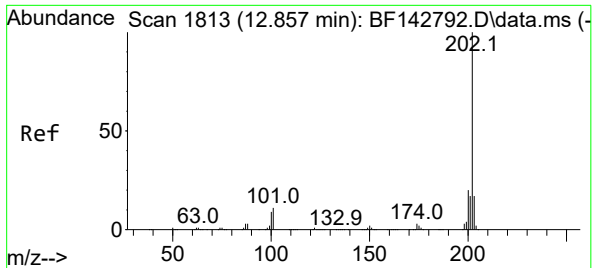
Tgt Ion:202 Resp: 2194081
Ion Ratio Lower Upper
202 100
101 11.2 0.0 29.7
203 18.3 0.0 37.5



#76
Chrysene-d12
Concen: 20.000 ng
RT: 14.068 min Scan# 2019
Delta R.T. 0.012 min
Lab File: BF143018.D
Acq: 07 Jul 2025 19:51

Tgt Ion:240 Resp: 121305
Ion Ratio Lower Upper
240 100
120 9.8 8.2 12.2
236 24.5 19.8 29.8

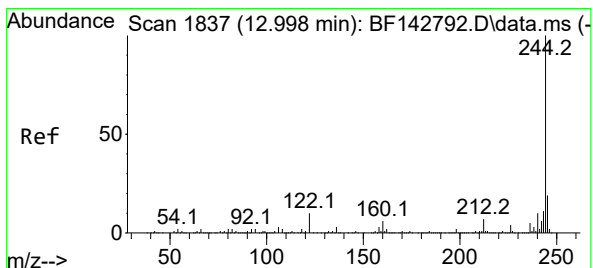
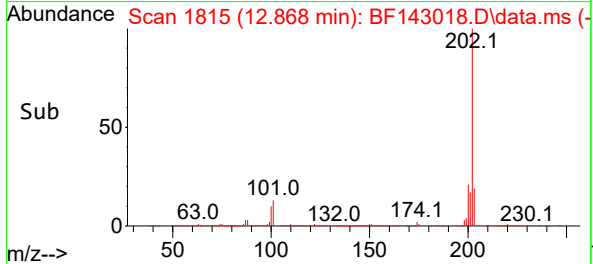
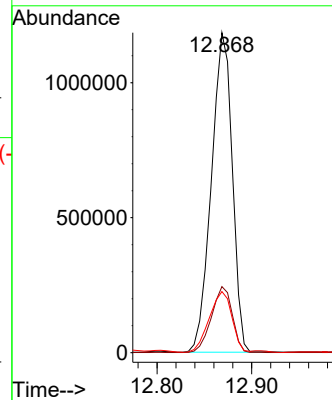
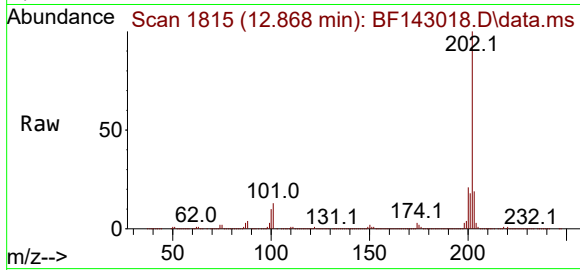




#78
Pyrene
Concen: 159.934 ng
RT: 12.868 min Scan# 1815
Delta R.T. 0.012 min
Lab File: BF143018.D
Acq: 07 Jul 2025 19:51

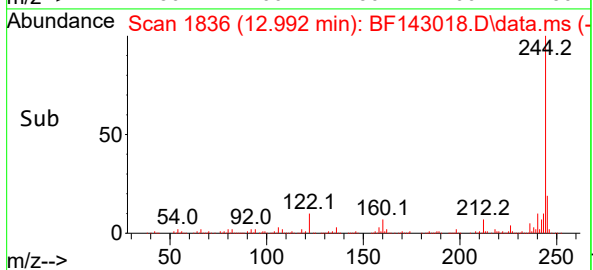
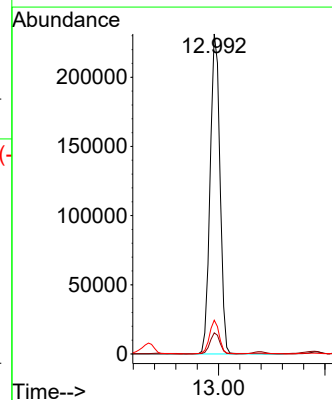
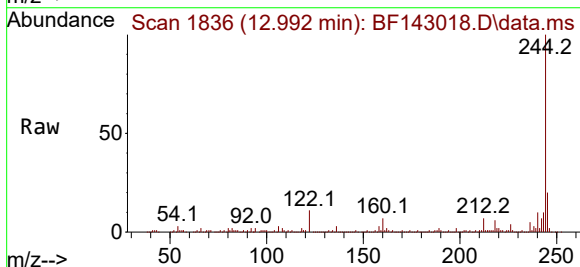
Instrument :
BNA_F
ClientSampleId :
TP-58

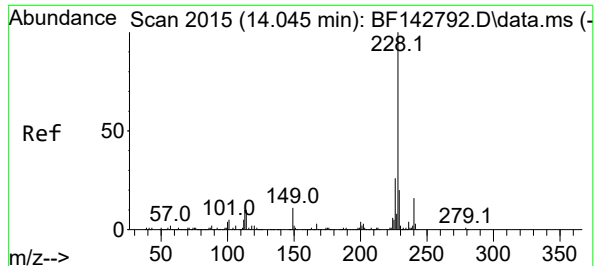
Tgt Ion:202 Resp: 1818518
Ion Ratio Lower Upper
202 100
200 20.7 15.7 23.5
203 19.1 13.8 20.6



#79
Terphenyl-d14
Concen: 33.786 ng
RT: 12.992 min Scan# 1836
Delta R.T. -0.006 min
Lab File: BF143018.D
Acq: 07 Jul 2025 19:51

Tgt Ion:244 Resp: 296623
Ion Ratio Lower Upper
244 100
212 6.6 5.4 8.0
122 10.5 8.2 12.2





#81

Benzo(a)anthracene

Concen: 113.247 ng

RT: 14.057 min Scan# 20

Delta R.T. 0.012 min

Lab File: BF143018.D

Acq: 07 Jul 2025 19:51

Instrument :

BNA_F

ClientSampleId :

TP-58

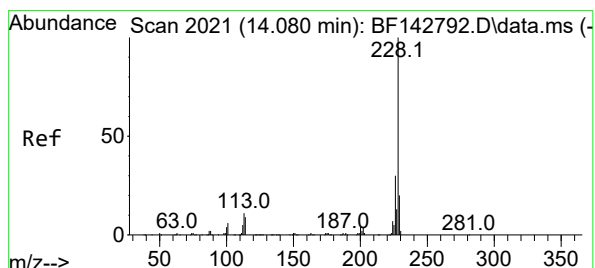
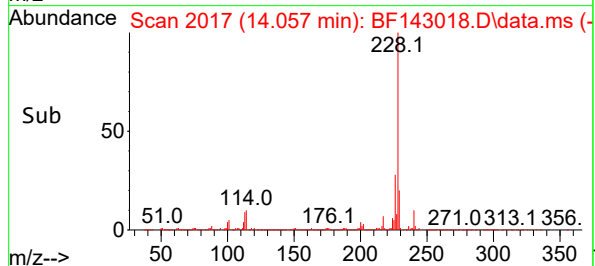
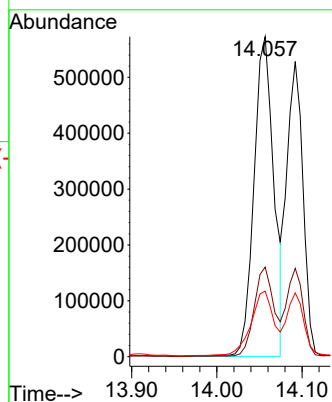
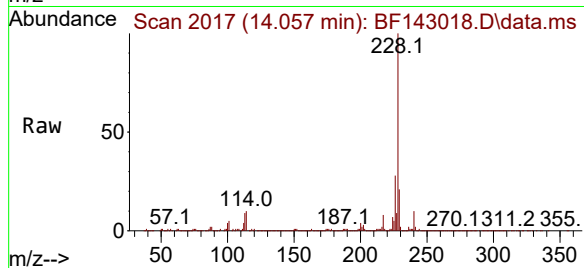
Tgt Ion:228 Resp: 926736

Ion Ratio Lower Upper

228 100

226 28.0 21.2 31.8

229 20.5 15.6 23.4



#83

Chrysene

Concen: 94.267 ng

RT: 14.092 min Scan# 2023

Delta R.T. 0.012 min

Lab File: BF143018.D

Acq: 07 Jul 2025 19:51

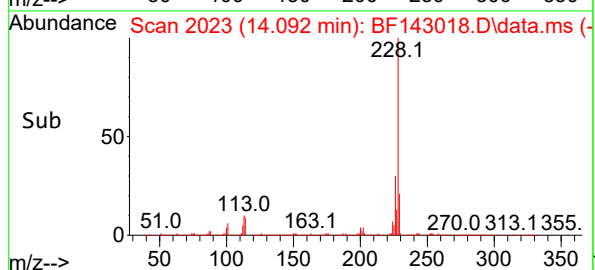
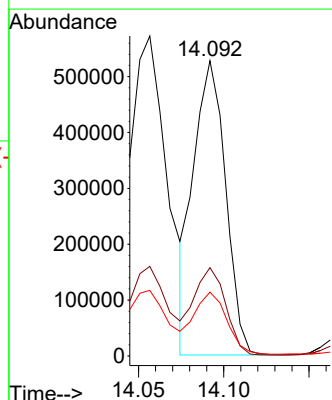
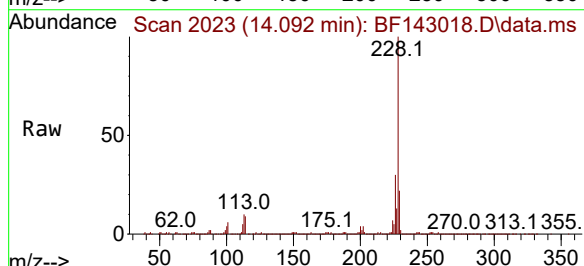
Tgt Ion:228 Resp: 688349

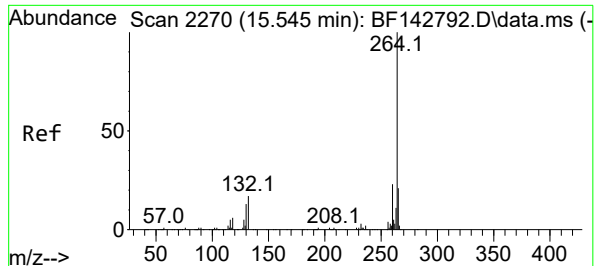
Ion Ratio Lower Upper

228 100

226 29.9 23.7 35.5

229 21.6 15.7 23.5





#86

Perylene-d12

Concen: 20.000 ng

RT: 15.562 min Scan# 21

Delta R.T. 0.018 min

Lab File: BF143018.D

Acq: 07 Jul 2025 19:51

Instrument :

BNA_F

ClientSampleId :

TP-58

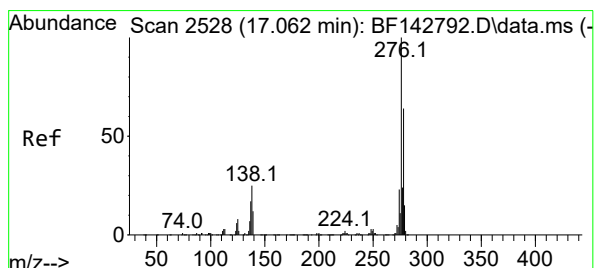
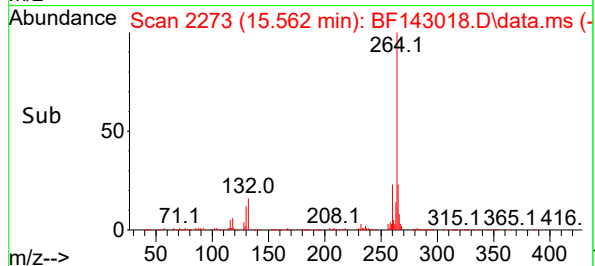
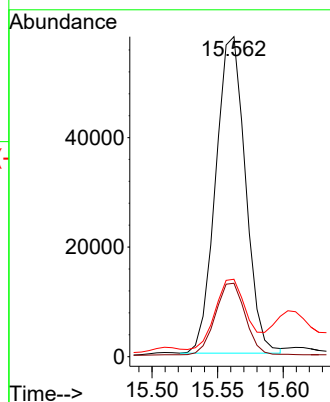
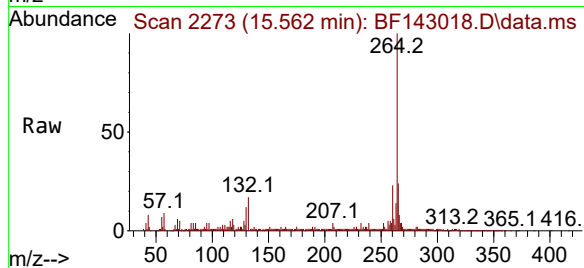
Tgt Ion:264 Resp: 91137

Ion Ratio Lower Upper

264 100

260 23.0 18.1 27.1

265 24.2 16.6 25.0



#87

Indeno(1,2,3-cd)pyrene

Concen: 38.119 ng

RT: 17.080 min Scan# 2531

Delta R.T. 0.018 min

Lab File: BF143018.D

Acq: 07 Jul 2025 19:51

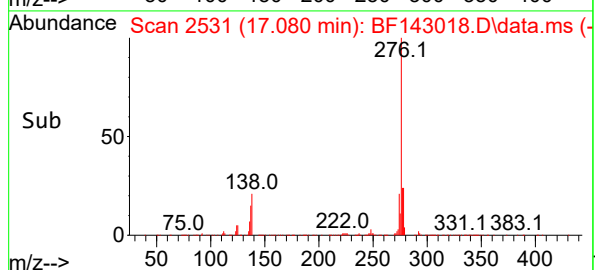
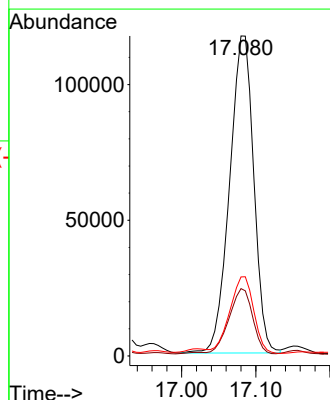
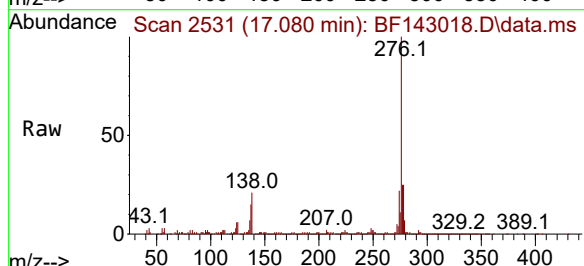
Tgt Ion:276 Resp: 264615

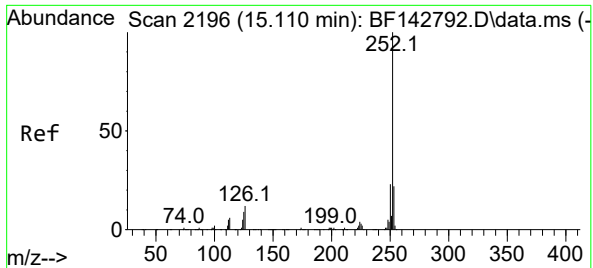
Ion Ratio Lower Upper

276 100

138 20.4 20.2 30.4

277 24.0 19.8 29.6





#88

Benzo(b)fluoranthene

Concen: 129.549 ng m

RT: 15.127 min Scan# 2196

Delta R.T. 0.018 min

Lab File: BF143018.D

Acq: 07 Jul 2025 19:51

Instrument :

BNA_F

ClientSampleId :

TP-58

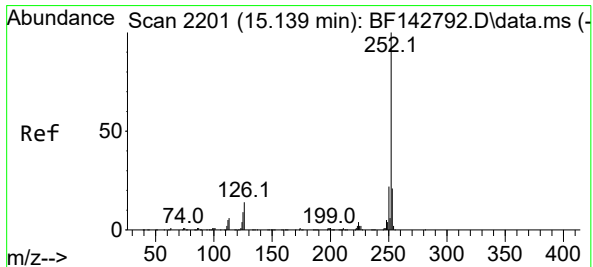
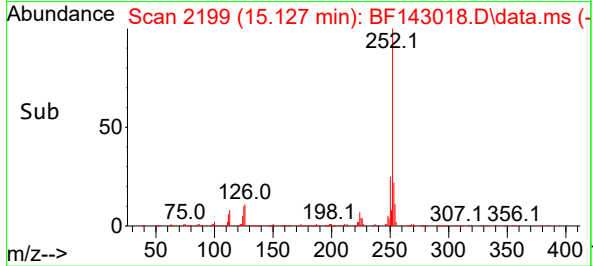
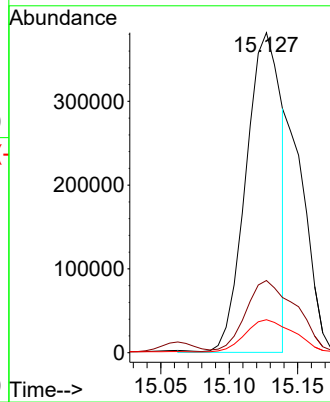
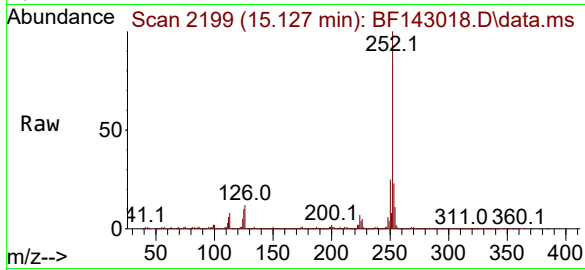
Tgt Ion:252 Resp: 683187

Ion Ratio Lower Upper

252 100

253 22.5 17.5 26.3

125 10.3 7.4 11.0



#89

Benzo(k)fluoranthene

Concen: 55.532 ng m

RT: 15.139 min Scan# 2201

Delta R.T. 0.000 min

Lab File: BF143018.D

Acq: 07 Jul 2025 19:51

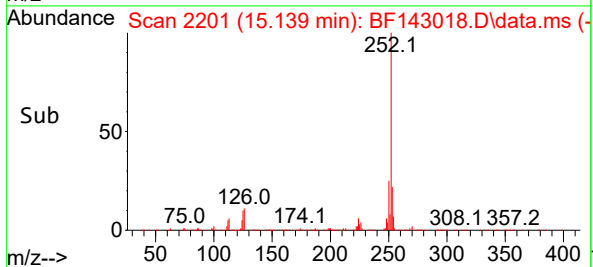
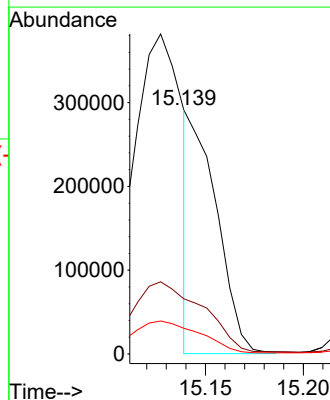
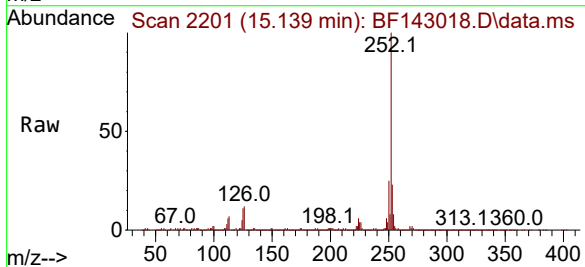
Tgt Ion:252 Resp: 273984

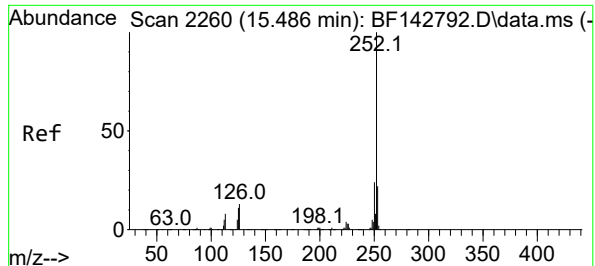
Ion Ratio Lower Upper

252 100

253 22.6 17.2 25.8

125 10.5 7.4 11.2





#90

Benzo(a)pyrene

Concen: 85.268 ng

RT: 15.504 min Scan# 21

Delta R.T. 0.018 min

Lab File: BF143018.D

Acq: 07 Jul 2025 19:51

Instrument :

BNA_F

ClientSampleId :

TP-58

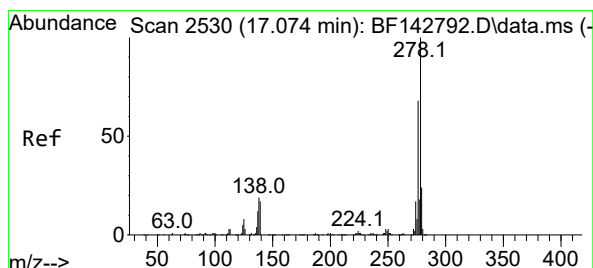
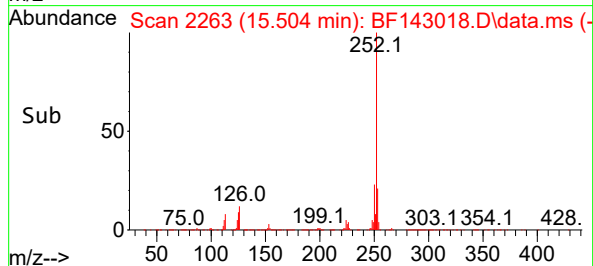
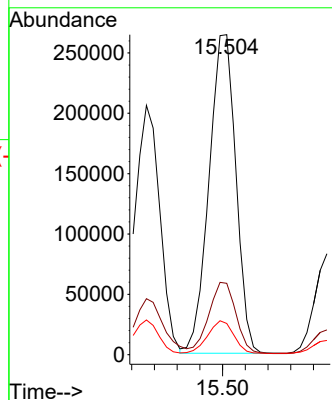
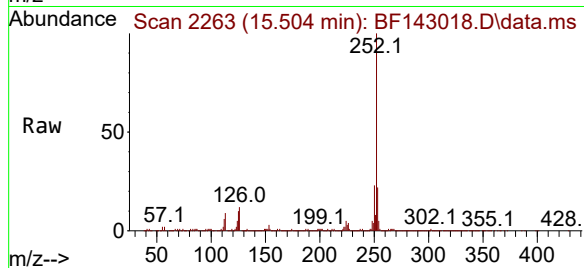
Tgt Ion:252 Resp: 434413

Ion Ratio Lower Upper

252 100

253 22.3 17.5 26.3

125 9.8 8.6 12.8



#91

Dibenzo(a,h)anthracene

Concen: 11.666 ng m

RT: 17.086 min Scan# 2532

Delta R.T. 0.012 min

Lab File: BF143018.D

Acq: 07 Jul 2025 19:51

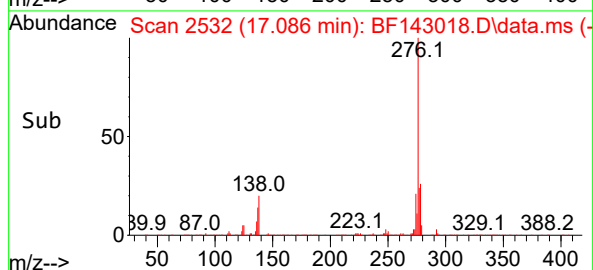
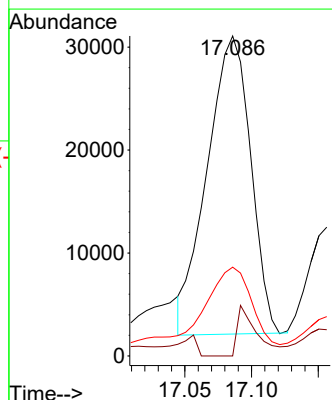
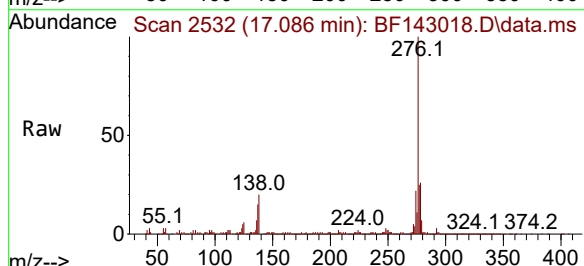
Tgt Ion:278 Resp: 65799

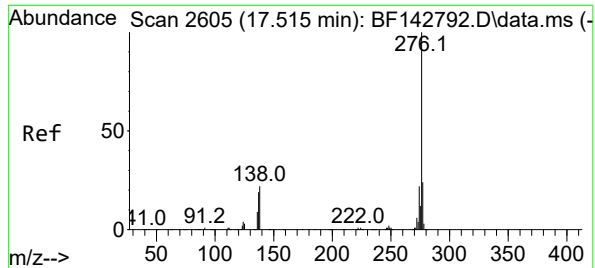
Ion Ratio Lower Upper

278 100

139 0.0 13.5 20.3#

279 27.8 18.8 28.2





#92

Benzo(g,h,i)perylene

Concen: 43.074 ng

RT: 17.545 min Scan# 20

Delta R.T. 0.029 min

Lab File: BF143018.D

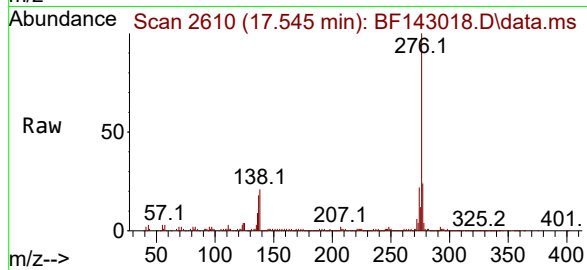
Acq: 07 Jul 2025 19:51

Instrument :

BNA_F

ClientSampleId :

TP-58



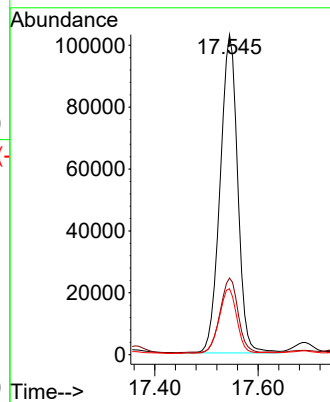
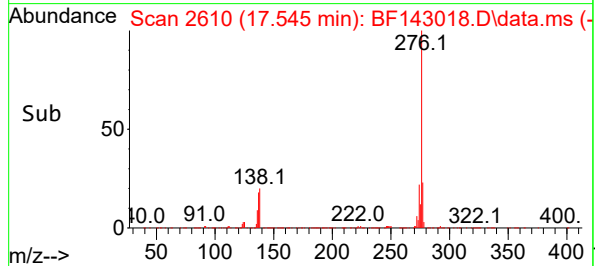
Tgt Ion:276 Resp: 242264

Ion Ratio Lower Upper

276 100

277 24.0 18.8 28.2

138 20.6 17.6 26.4



Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF070725\
 Data File : BF143018.D
 Acq On : 07 Jul 2025 19:51
 Operator : RC/JU
 Sample : Q2484-01
 Misc :
 ALS Vial : 17 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 TP-58

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: BF143018.D\data.ms

peak #	R.T. min	first scan	max scan	last scan	PK TY	peak height	corr. area	corr. % max.	% of total
1	5.087	486	492	501	rBV	47894	71551	1.45%	0.156%
2	5.498	556	562	578	rBV	514279	714389	14.52%	1.558%
3	6.504	728	733	752	rBV	519154	691070	14.04%	1.507%
4	6.875	791	796	803	rVB	218555	264465	5.37%	0.577%
5	7.434	886	891	905	rBV	323880	417076	8.47%	0.910%
6	8.157	1009	1014	1024	rBV2	258966	375233	7.62%	0.818%
7	8.875	1131	1136	1142	rVB	54449	66896	1.36%	0.146%
8	8.969	1147	1152	1159	rVB	77444	100996	2.05%	0.220%
9	9.233	1192	1197	1202	rBV	591119	711801	14.46%	1.552%
10	9.333	1211	1214	1219	rVB	49609	59933	1.22%	0.131%
11	9.498	1237	1242	1247	rBV	81545	124867	2.54%	0.272%
12	9.575	1250	1255	1257	rBV	110776	147235	2.99%	0.321%
13	9.598	1257	1259	1263	rVB	52695	58892	1.20%	0.128%
14	9.692	1271	1275	1282	rVB	52661	80176	1.63%	0.175%
15	9.775	1284	1289	1295	rBV	98819	132271	2.69%	0.288%
16	9.916	1304	1313	1316	rBV2	297378	425950	8.65%	0.929%
17	9.951	1316	1319	1323	rVV	227425	277858	5.65%	0.606%
18	10.122	1343	1348	1352	rBV	431397	540099	10.97%	1.178%
19	10.157	1352	1354	1359	rVB	56643	59850	1.22%	0.131%
20	10.233	1362	1367	1369	rBV2	48997	67083	1.36%	0.146%
21	10.339	1377	1385	1388	rBV2	61587	120918	2.46%	0.264%
22	10.469	1401	1407	1412	rVB	527189	684295	13.90%	1.492%
23	10.627	1428	1434	1441	rVB	225978	333844	6.78%	0.728%
24	10.710	1441	1448	1452	rVV	495566	686737	13.95%	1.498%
25	10.822	1461	1467	1474	rVB3	81725	156362	3.18%	0.341%
26	11.010	1493	1499	1503	rBV2	80844	144122	2.93%	0.314%
27	11.145	1517	1522	1523	rBV2	44629	65291	1.33%	0.142%
28	11.216	1530	1534	1538	rBV	265212	322425	6.55%	0.703%
29	11.263	1538	1542	1545	rVV2	74954	111067	2.26%	0.242%
30	11.304	1545	1549	1555	rVB	256277	349701	7.11%	0.763%
31	11.445	1562	1573	1577	rBV	2748959	4547781	92.41%	9.918%
32	11.486	1577	1580	1584	rVB	560986	677337	13.76%	1.477%
33	11.569	1590	1594	1601	rVB3	26972	56719	1.15%	0.124%
34	11.639	1601	1606	1611	rBV	310368	412853	8.39%	0.900%
35	11.698	1611	1616	1620	rVV2	90441	148655	3.02%	0.324%
36	11.739	1620	1623	1628	rVB3	84810	116948	2.38%	0.255%

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF070725\
 Data File : BF143018.D
 Acq On : 07 Jul 2025 19:51
 Operator : RC/JU
 Sample : Q2484-01
 Misc :
 ALS Vial : 17 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 TP-58

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	11.821	1631	1637	1641	rVB2	42403	74403	1.51%	0.162%
38	11.910	1648	1652	1654	rBV	327775	415900	8.45%	0.907%
39	11.939	1654	1657	1661	rVB	455975	571214	11.61%	1.246%
40	11.986	1661	1665	1668	rBV	93016	123137	2.50%	0.269%
41	12.027	1668	1672	1679	rVB2	524594	963047	19.57%	2.100%
42	12.098	1679	1684	1689	rBV3	67900	132199	2.69%	0.288%
43	12.204	1698	1702	1705	rBV	232748	295285	6.00%	0.644%
44	12.239	1705	1708	1712	rVB	199343	241540	4.91%	0.527%
45	12.351	1722	1727	1730	rBV2	73492	124632	2.53%	0.272%
46	12.386	1730	1733	1735	rVV	53949	58157	1.18%	0.127%
47	12.463	1741	1746	1749	rBV	187211	282970	5.75%	0.617%
48	12.492	1749	1751	1758	rVB3	129943	219156	4.45%	0.478%
49	12.557	1758	1762	1769	rVB	276409	378657	7.69%	0.826%
50	12.639	1769	1776	1781	rBV	3114830	4921481	100.00%	10.733%
51	12.780	1794	1800	1807	rVB2	138639	249487	5.07%	0.544%
52	12.868	1807	1815	1820	rBV	2717538	4693397	95.37%	10.236%
53	12.904	1820	1821	1826	rVB2	152273	157982	3.21%	0.345%
54	12.992	1829	1836	1844	rVB2	644114	1148489	23.34%	2.505%
55	13.074	1844	1850	1855	rBV3	249237	518280	10.53%	1.130%
56	13.180	1861	1868	1872	rVB3	230845	525170	10.67%	1.145%
57	13.251	1877	1880	1882	rVV2	86716	99579	2.02%	0.217%
58	13.286	1882	1886	1893	rVB2	271233	405440	8.24%	0.884%
59	13.380	1899	1902	1905	rBV	141753	188403	3.83%	0.411%
60	13.415	1905	1908	1916	rVB2	167574	239388	4.86%	0.522%
61	13.563	1930	1933	1936	rBV4	40884	68007	1.38%	0.148%
62	13.698	1952	1956	1961	rVB	362588	452360	9.19%	0.987%
63	13.804	1969	1974	1977	rBV	340326	528470	10.74%	1.153%
64	13.833	1977	1979	1981	rVV	255552	285548	5.80%	0.623%
65	13.863	1981	1984	1988	rVV2	262061	454397	9.23%	0.991%
66	13.910	1988	1992	1996	rVV	308603	447079	9.08%	0.975%
67	13.974	2000	2003	2009	rVB	63842	93579	1.90%	0.204%
68	14.057	2010	2017	2020	rBV2	1604738	2724972	55.37%	5.943%
69	14.092	2020	2023	2029	rVB	1347195	1828595	37.16%	3.988%
70	14.168	2033	2036	2039	rVB	83587	89475	1.82%	0.195%
71	14.210	2039	2043	2047	rBV3	89003	145339	2.95%	0.317%
72	14.280	2052	2055	2059	rVB2	103528	150158	3.05%	0.327%
73	14.410	2074	2077	2078	rBV2	55396	60697	1.23%	0.132%
74	14.445	2079	2083	2086	rVV	209714	295589	6.01%	0.645%
75	14.480	2086	2089	2092	rVB	87834	103546	2.10%	0.226%
76	14.574	2101	2105	2111	rVB3	113192	203163	4.13%	0.443%

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF070725\
Data File : BF143018.D
Acq On : 07 Jul 2025 19:51
Operator : RC/JU
Sample : Q2484-01
Misc :
ALS Vial : 17 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
TP-58

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

77	14.951	2165	2169	2177	rVB2	100547	173576	3.53%	0.379%
78	15.127	2192	2199	2208	rBV	1019698	2472653	50.24%	5.393%
79	15.227	2213	2216	2221	rVB	133263	180201	3.66%	0.393%
80	15.433	2246	2251	2257	rVB	511359	822992	16.72%	1.795%
81	15.498	2257	2262	2268	rVV	655024	1049339	21.32%	2.288%
82	15.562	2268	2273	2275	rVV	141158	229188	4.66%	0.500%
83	15.592	2275	2278	2287	rVB	209252	342038	6.95%	0.746%
84	17.086	2524	2532	2539	rBV	331583	724348	14.72%	1.580%
85	17.545	2603	2610	2619	rVB	252773	577648	11.74%	1.260%

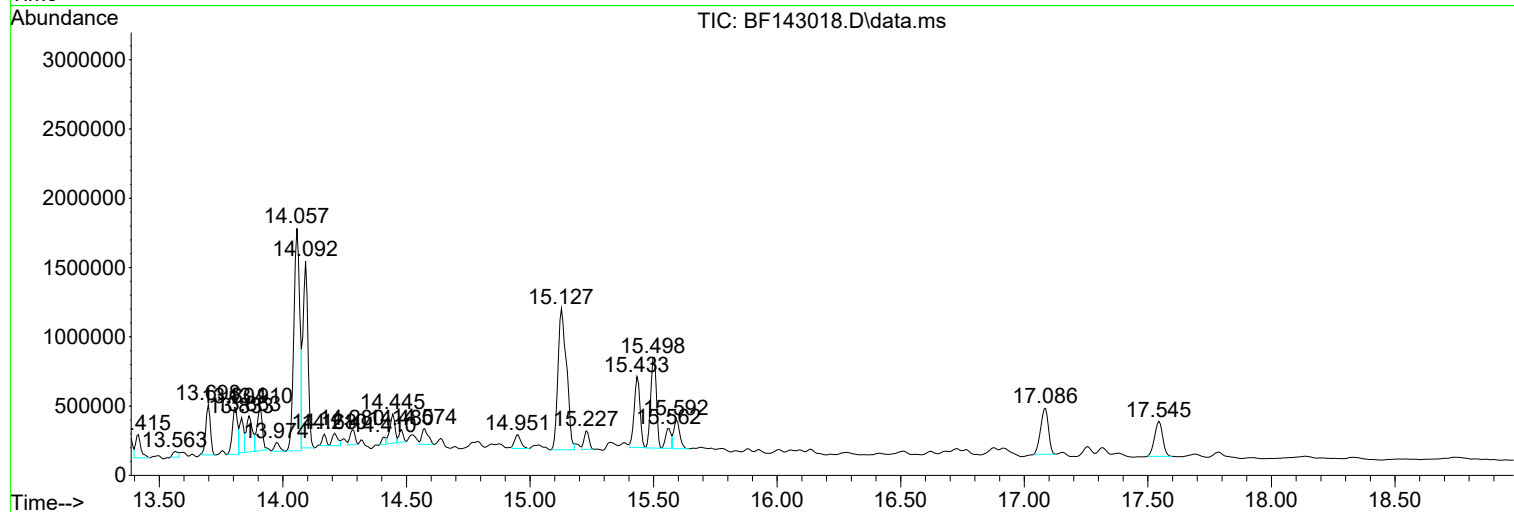
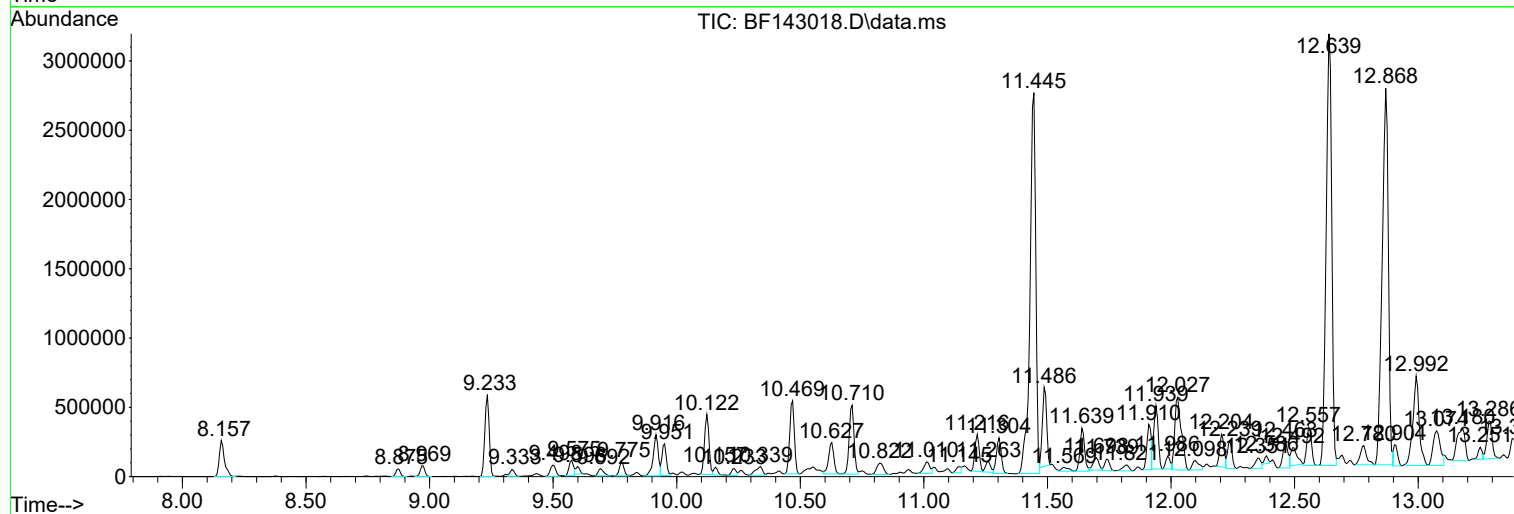
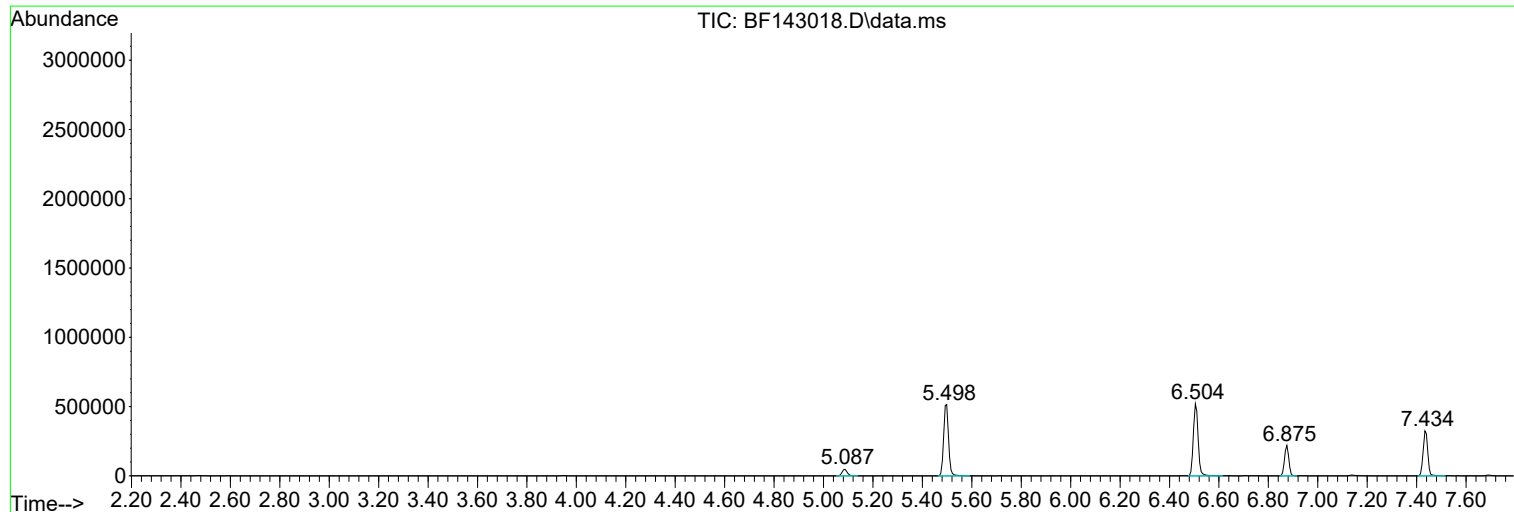
Sum of corrected areas: 45853096

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF070725\
Data File : BF143018.D
Acq On : 07 Jul 2025 19:51
Operator : RC/JU
Sample : Q2484-01
Misc :
ALS Vial : 17 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
TP-58

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\BF070725\
Data File : BF143018.D
Acq On : 07 Jul 2025 19:51
Operator : RC/JU
Sample : Q2484-01
Misc :
ALS Vial : 17 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
TP-58

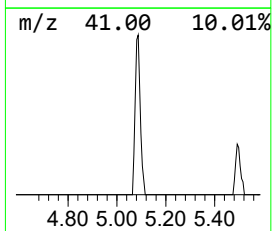
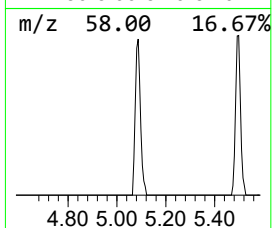
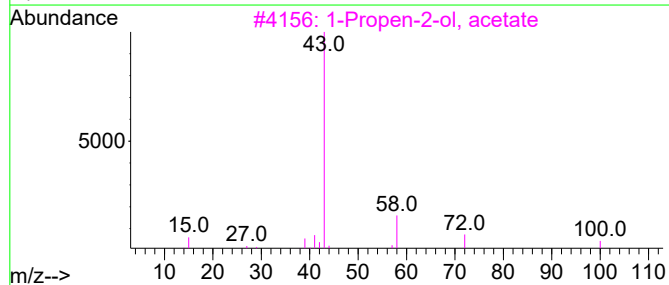
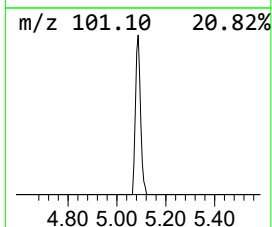
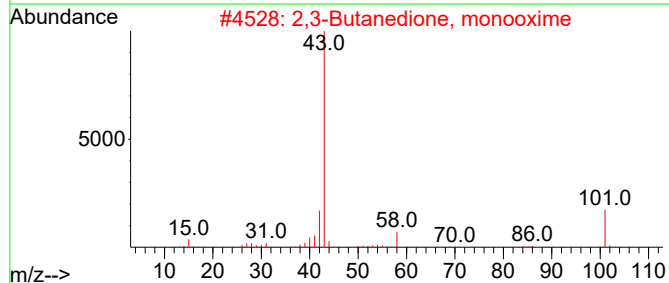
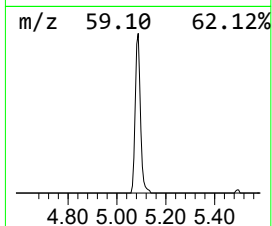
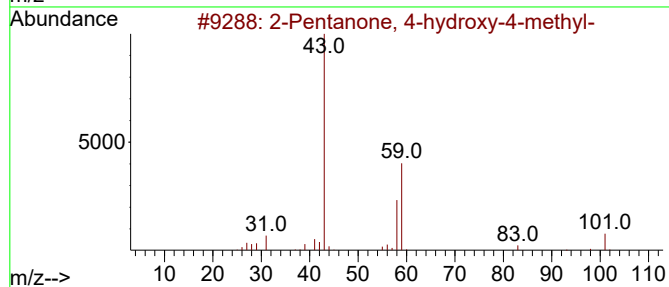
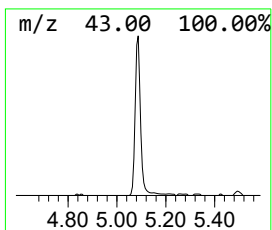
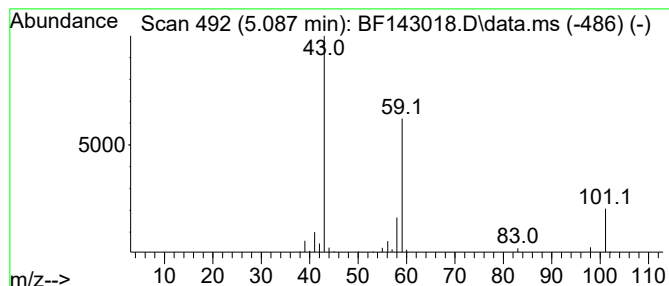
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF061925.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 1 2-Pentanone, 4-hydroxy-4-me... Concentration Rank 8

R.T.	EstConc	Area	Relative to ISTD	R.T.
5.087	5.41 ng	71551	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			2,3-Butanedione, monooxime	101	C4H7NO2	000057-71-6	25
3			1-Propen-2-ol, acetate	100	C5H8O2	000108-22-5	10
4			Acetamide, N-(cyanomethyl)-	98	C4H6N2O	004814-80-6	9
5			3-Hexanol, 4-ethyl-	130	C8H18O	019780-44-0	9



Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF070725\
Data File : BF143018.D
Acq On : 07 Jul 2025 19:51
Operator : RC/JU
Sample : Q2484-01
Misc :
ALS Vial : 17 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
TP-58

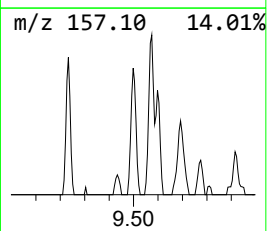
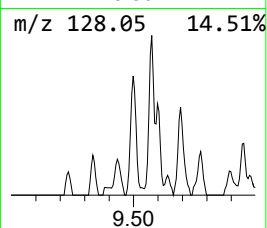
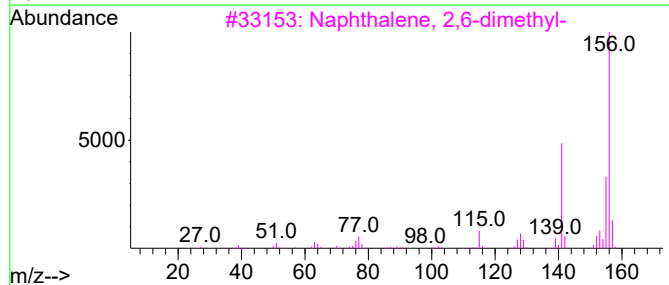
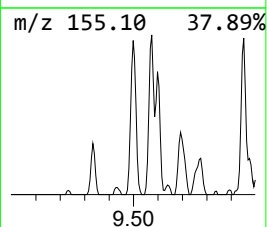
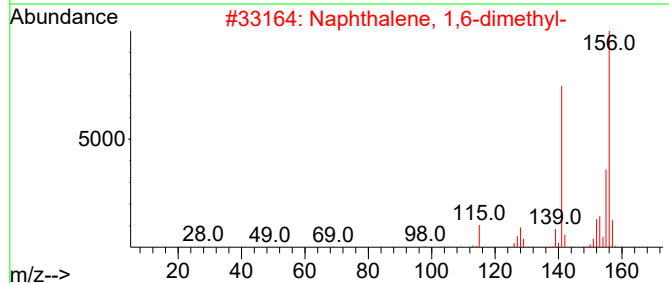
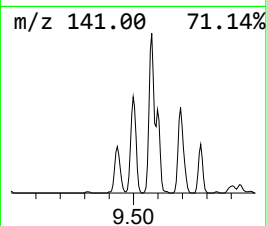
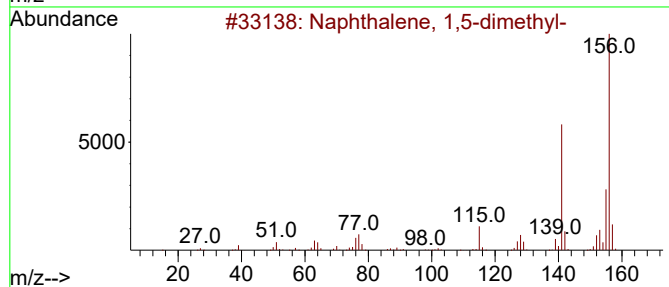
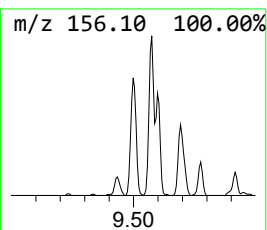
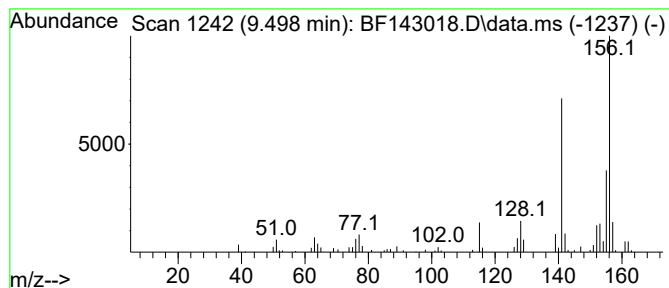
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF061925.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 2 Naphthalene, 1,5-dimethyl- Concentration Rank 6

R.T.	EstConc	Area	Relative to ISTD	R.T.
9.498	5.86 ng	124867	Acenaphthene-d10	9.916

Hit#	of	5	Tentative ID	MW	MolForm	CAS#	Qual
1			Naphthalene, 1,5-dimethyl-	156	C12H12	000571-61-9	97
2			Naphthalene, 1,6-dimethyl-	156	C12H12	000575-43-9	96
3			Naphthalene, 2,6-dimethyl-	156	C12H12	000581-42-0	96
4			Naphthalene, 1,4-dimethyl-	156	C12H12	000571-58-4	96
5			Naphthalene, 1,7-dimethyl-	156	C12H12	000575-37-1	96



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Data File : BF143018.D
Acq On : 07 Jul 2025 19:51
Operator : RC/JU
Sample : Q2484-01
Misc :
ALS Vial : 17 Sample Multiplier: 1

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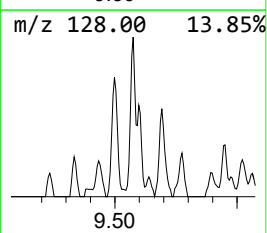
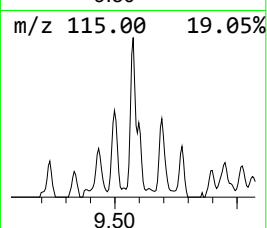
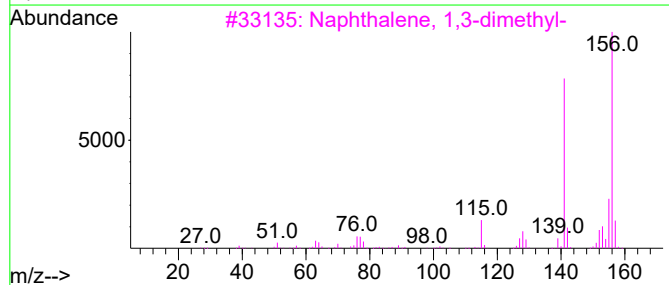
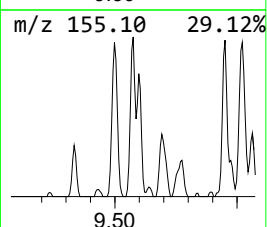
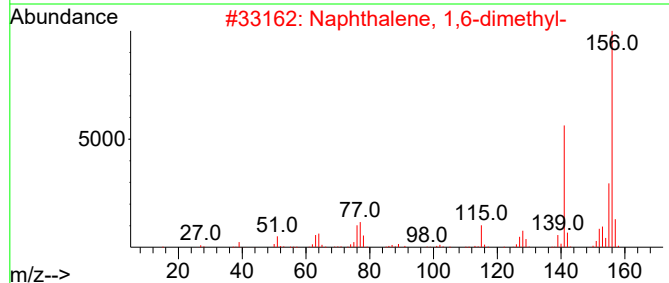
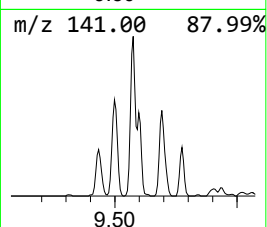
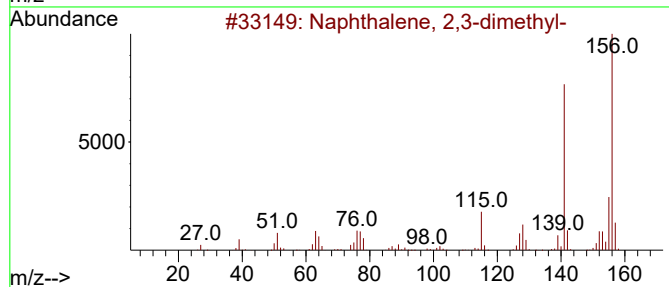
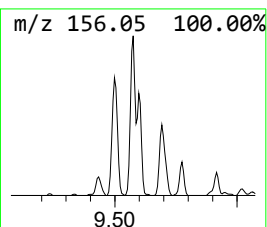
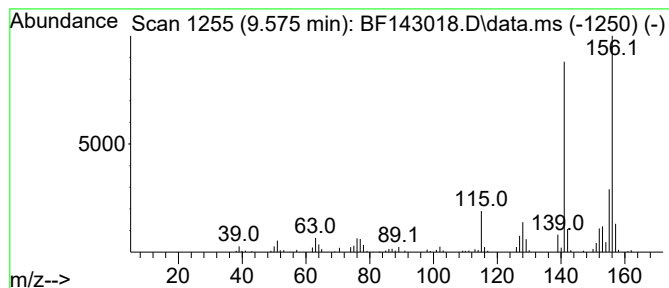
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 3 Naphthalene, 2,3-dimethyl- Concentration Rank 5

R.T.	EstConc	Area	Relative to ISTD	R.T.
9.575	6.91 ng	147235	Acenaphthene-d10	9.916

Hit#	of 5	Tentative ID	MW	MolForm	CAS#	Qual
1		Naphthalene, 2,3-dimethyl-	156	C12H12	000581-40-8	97
2		Naphthalene, 1,6-dimethyl-	156	C12H12	000575-43-9	97
3		Naphthalene, 1,3-dimethyl-	156	C12H12	000575-41-7	97
4		Naphthalene, 1,4-dimethyl-	156	C12H12	000571-58-4	97
5		Naphthalene, 2,6-dimethyl-	156	C12H12	000581-42-0	97



Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF070725\
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Sample : Q2484-01
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Instrument :
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ClientSampleId :
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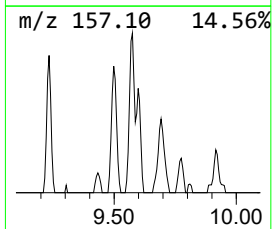
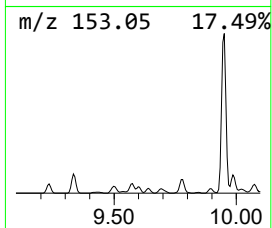
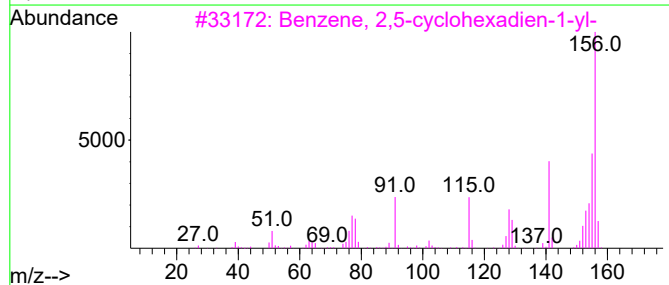
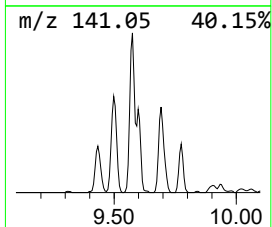
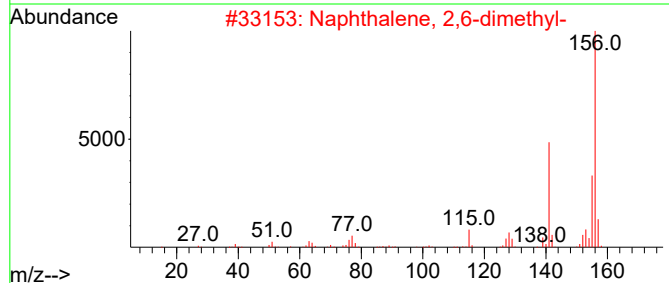
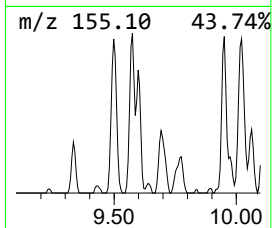
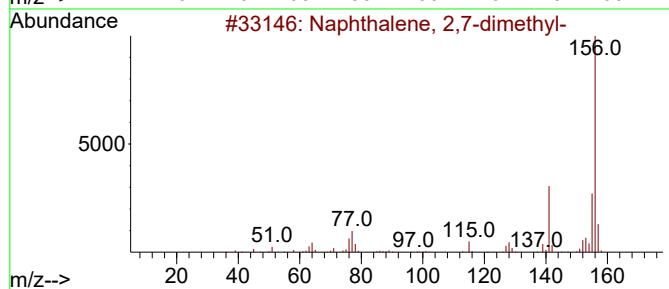
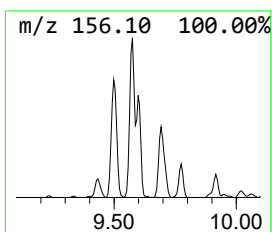
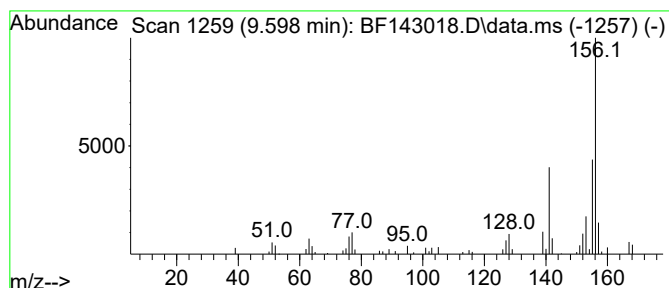
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 4 Naphthalene, 2,7-dimethyl- Concentration Rank 19

R.T.	EstConc	Area	Relative to ISTD	R.T.
9.598	2.77 ng	58892	Acenaphthene-d10	9.916

Hit#	of 5	Tentative ID	MW	MolForm	CAS#	Qual
1		Naphthalene, 2,7-dimethyl-	156	C12H12	000582-16-1	87
2		Naphthalene, 2,6-dimethyl-	156	C12H12	000581-42-0	87
3		Benzene, 2,5-cyclohexadien-1-yl-	156	C12H12	004794-05-2	68
4		Naphthalene, 1,6-dimethyl-	156	C12H12	000575-43-9	64
5		Naphthalene, 1,3-dimethyl-	156	C12H12	000575-41-7	59



Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF070725\
Data File : BF143018.D
Acq On : 07 Jul 2025 19:51
Operator : RC/JU
Sample : Q2484-01
Misc :
ALS Vial : 17 Sample Multiplier: 1

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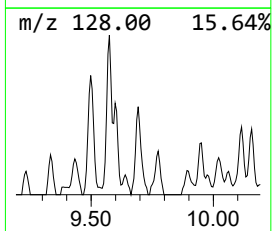
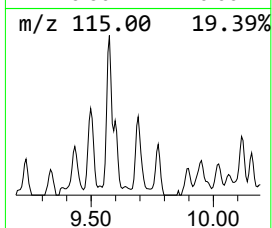
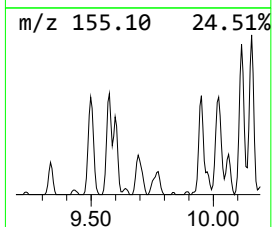
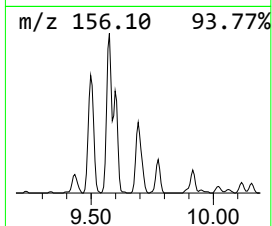
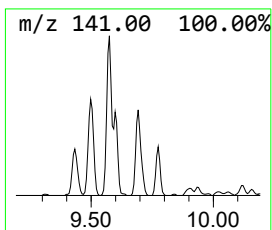
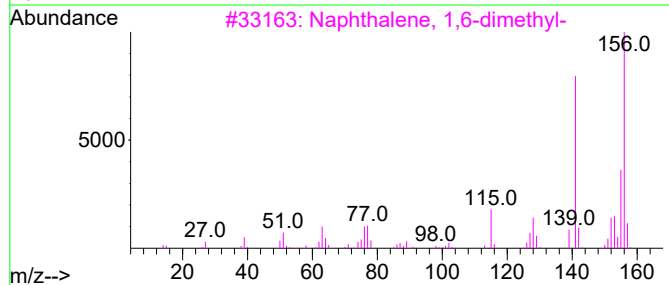
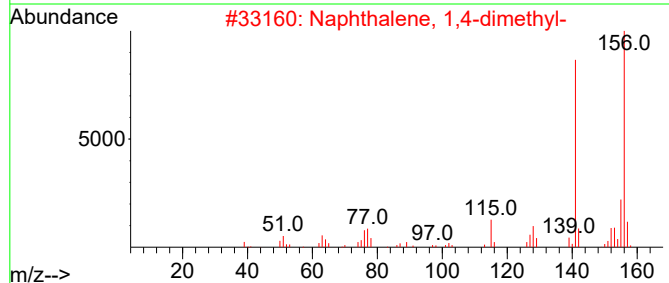
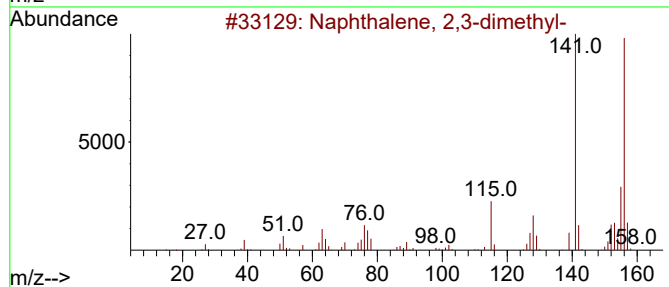
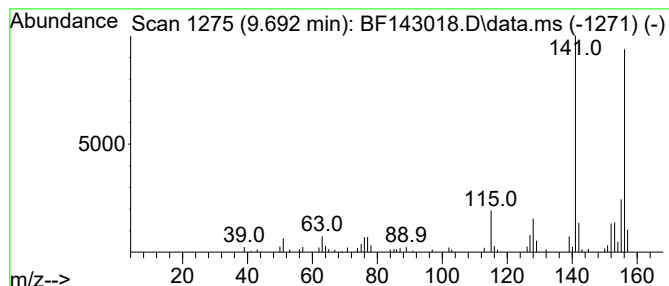
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 5 Naphthalene, 1,4-dimethyl- Concentration Rank 13

R.T.	EstConc	Area	Relative to ISTD	R.T.
9.692	3.76 ng	80176	Acenaphthene-d10	9.916

Hit#	of	5	Tentative ID	MW	MolForm	CAS#	Qual
1			Naphthalene, 2,3-dimethyl-	156	C12H12	000581-40-8	97
2			Naphthalene, 1,4-dimethyl-	156	C12H12	000571-58-4	96
3			Naphthalene, 1,6-dimethyl-	156	C12H12	000575-43-9	96
4			Naphthalene, 1,7-dimethyl-	156	C12H12	000575-37-1	95
5			Naphthalene, 1,3-dimethyl-	156	C12H12	000575-41-7	95



Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF070725\
Data File : BF143018.D
Acq On : 07 Jul 2025 19:51
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ClientSampleId :
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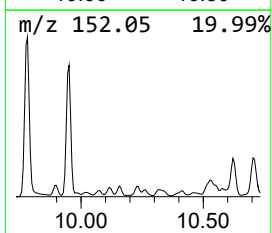
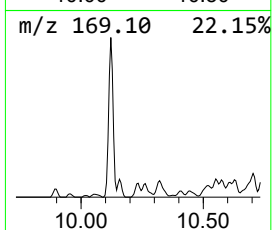
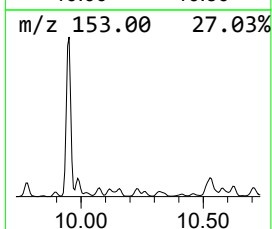
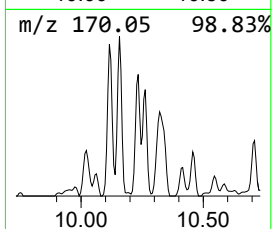
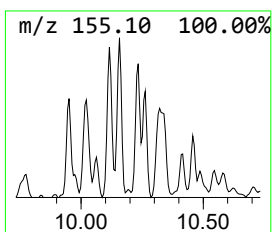
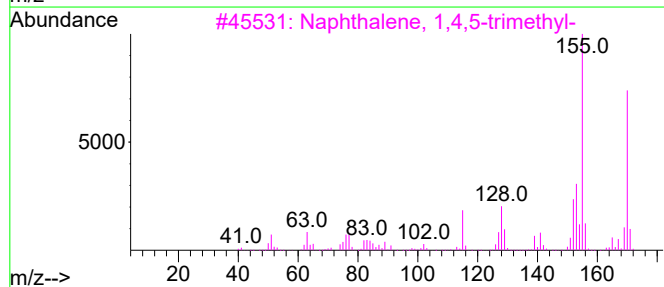
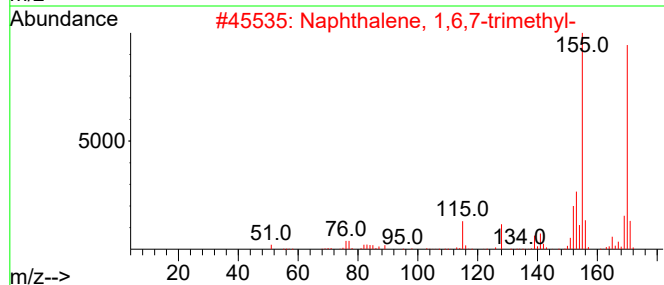
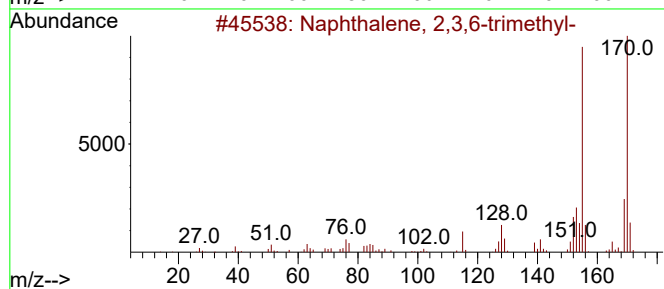
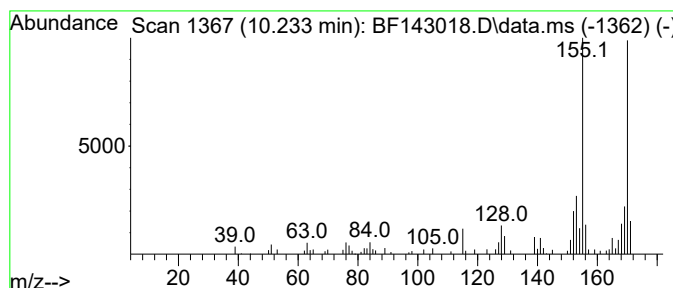
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 6 Naphthalene, 2,3,6-trimethyl- Concentration Rank 17

R.T.	EstConc	Area	Relative to ISTD	R.T.
10.233	3.15 ng	67083	Acenaphthene-d10	9.916

Hit#	of 5	Tentative ID	MW	MolForm	CAS#	Qual
1		Naphthalene, 2,3,6-trimethyl-	170	C13H14	000829-26-5	98
2		Naphthalene, 1,6,7-trimethyl-	170	C13H14	002245-38-7	98
3		Naphthalene, 1,4,5-trimethyl-	170	C13H14	002131-41-1	96
4		Naphthalene, 1,4,6-trimethyl-	170	C13H14	002131-42-2	96
5		1-(2,2-Dimethylcyclopropyl)-2-ph...	170	C13H14	1000294-91-1	91



Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF070725\
Data File : BF143018.D
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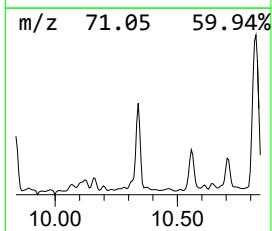
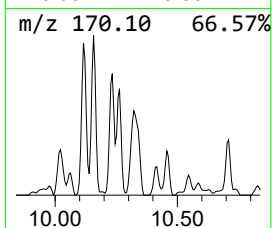
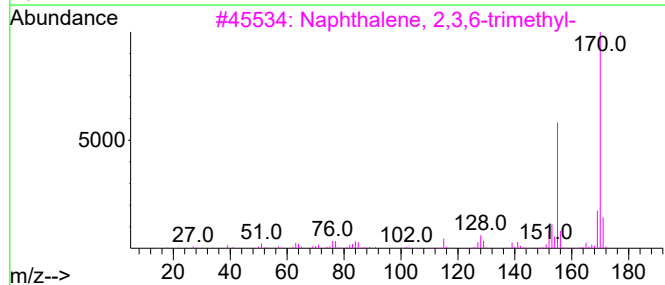
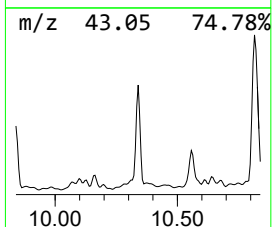
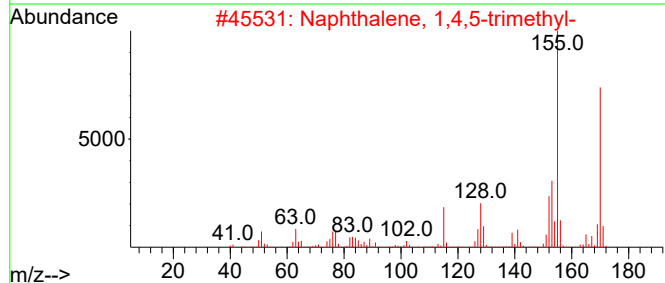
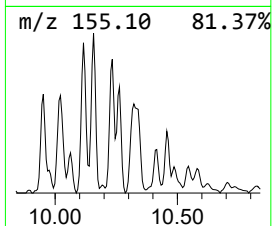
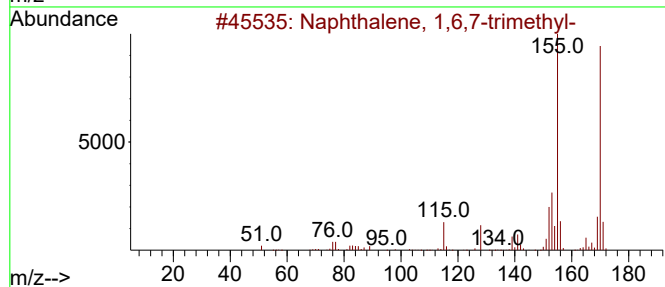
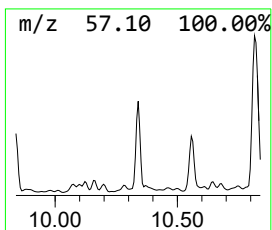
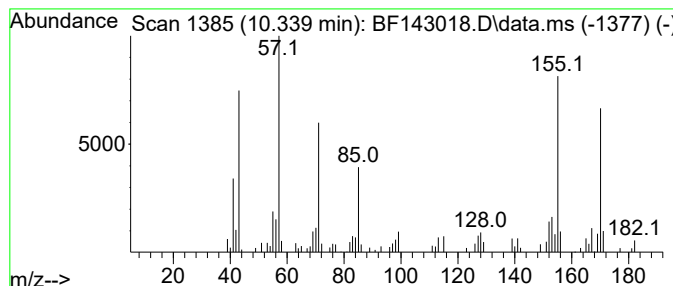
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 7 Naphthalene, 1,6,7-trimethyl- Concentration Rank 7

R.T.	EstConc	Area	Relative to ISTD	R.T.
10.339	5.68 ng	120918	Acenaphthene-d10	9.916

Hit#	of	5	Tentative ID	MW	MolForm	CAS#	Qual
1			Naphthalene, 1,6,7-trimethyl-	170	C13H14	002245-38-7	97
2			Naphthalene, 1,4,5-trimethyl-	170	C13H14	002131-41-1	90
3			Naphthalene, 2,3,6-trimethyl-	170	C13H14	000829-26-5	83
4			Naphthalene, 1,4,6-trimethyl-	170	C13H14	002131-42-2	60
5			4,6,8-Trimethylazulene	170	C13H14	000941-81-1	50



Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF070725\
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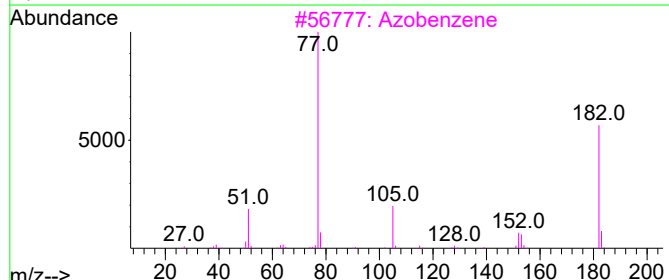
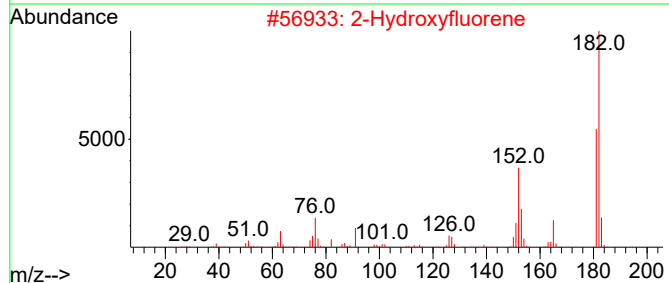
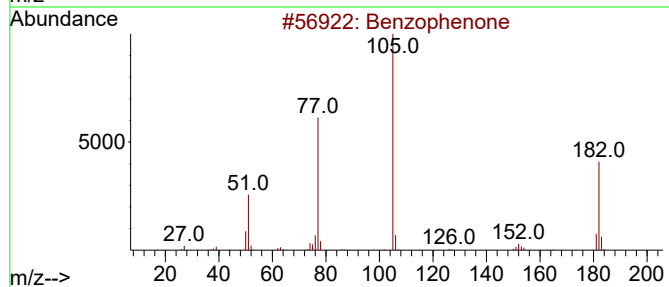
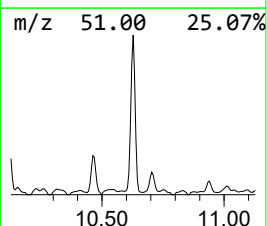
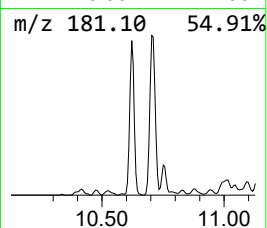
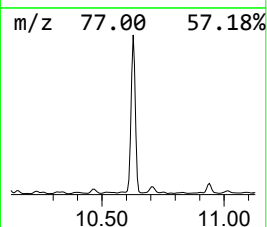
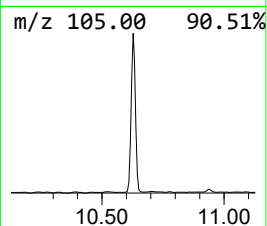
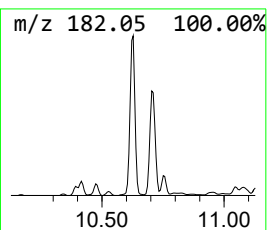
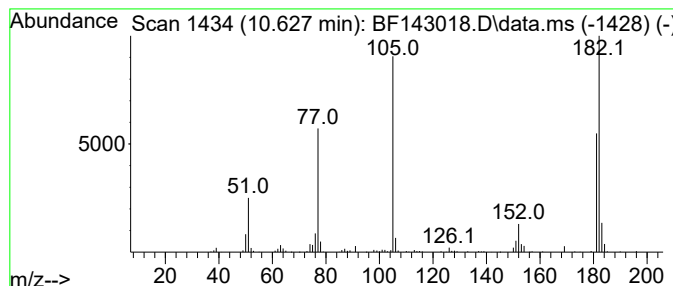
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TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

Peak Number 8 Benzophenone Concentration Rank 3

R.T.	EstConc	Area	Relative to ISTD	R.T.
10.627	15.68 ng	333844	Acenaphthene-d10	9.916

Hit#	of	5	Tentative ID	MW	MolForm	CAS#	Qual
1			Benzophenone	182	C13H10O	000119-61-9	81
2			2-Hydroxyfluorene	182	C13H10O	002443-58-5	49
3			Azobenzene	182	C12H10N2	000103-33-3	47
4			Benzenecarbothioic acid, S-methy...	152	C8H8OS	005925-68-8	38
5			Methanone, phenyl-2-pyridinyl-	183	C12H9NO	000091-02-1	38



Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF070725\
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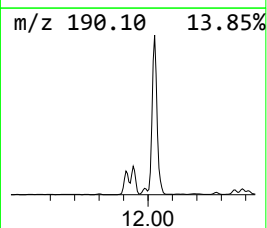
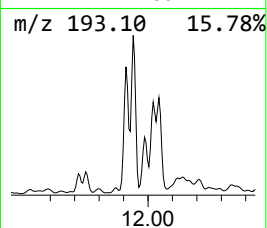
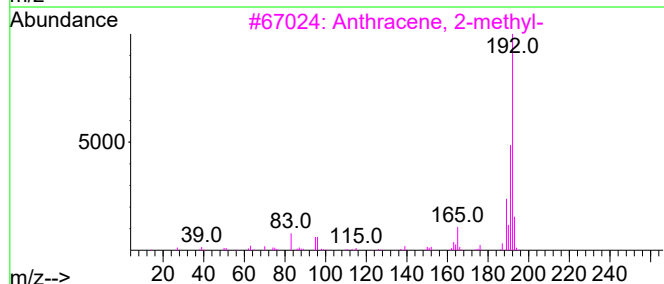
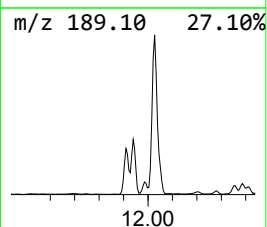
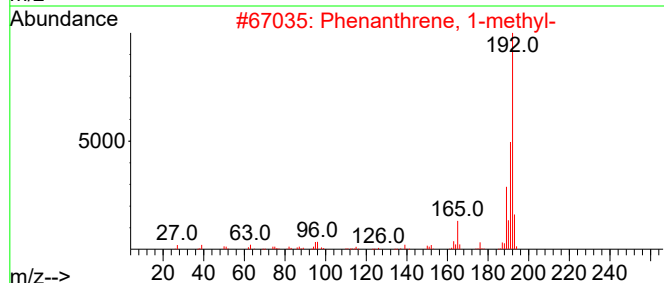
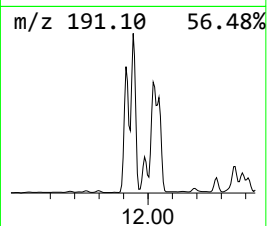
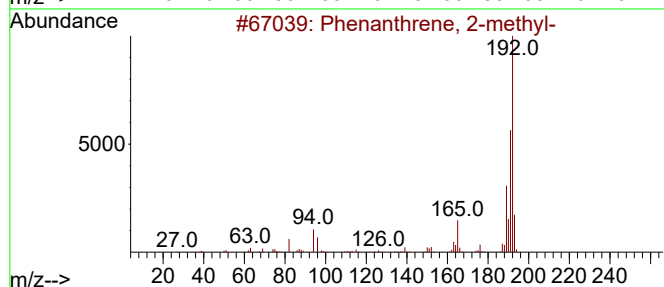
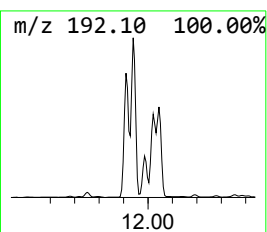
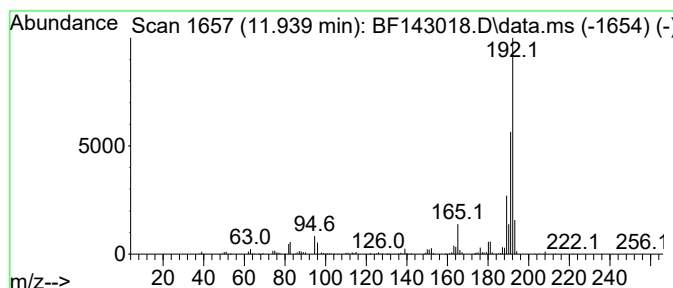
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Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF061925.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 9 Phenanthrene, 2-methyl- Concentration Rank 20

R.T.	EstConc	Area	Relative to ISTD		R.T.	
11.939	2.51 ng	571214	Phenanthrene-d10		11.410	
Hit# of 5	Tentative ID		MW	MolForm	CAS#	Qual
1	Phenanthrene, 2-methyl-		192	C15H12	002531-84-2	98
2	Phenanthrene, 1-methyl-		192	C15H12	000832-69-9	97
3	Anthracene, 2-methyl-		192	C15H12	000613-12-7	96
4	1H-Cyclopropa[1]phenanthrene,1a,...		192	C15H12	000949-41-7	96
5	Anthracene, 9-methyl-		192	C15H12	000779-02-2	94



Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF070725\
Data File : BF143018.D
Acq On : 07 Jul 2025 19:51
Operator : RC/JU
Sample : Q2484-01
Misc :
ALS Vial : 17 Sample Multiplier: 1

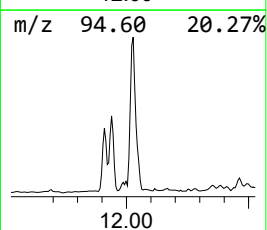
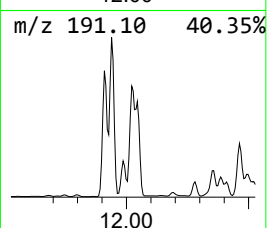
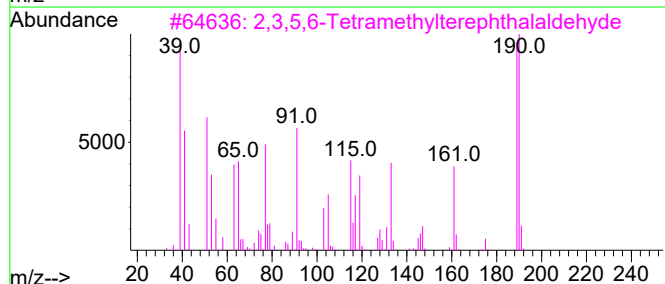
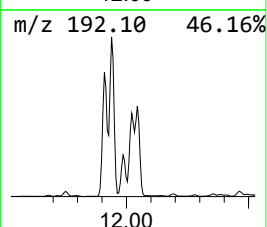
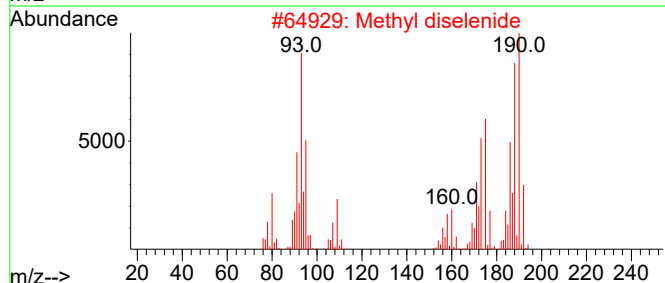
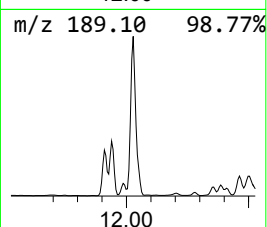
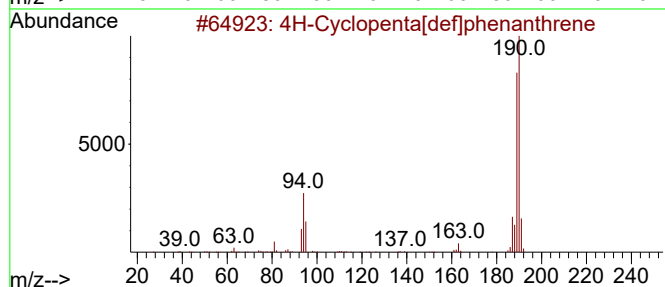
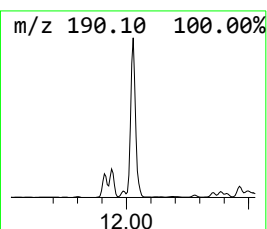
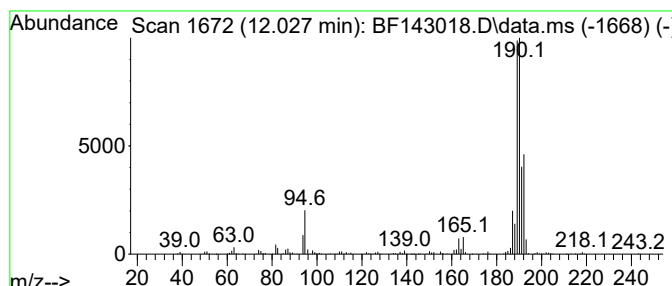
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 10 4H-Cyclopenta[def]phenanthrene Concentration Rank 9

R.T.	EstConc	Area	Relative to ISTD	R.T.	
12.027	4.24 ng	963047	Phenanthrene-d10	11.410	
Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	4H-Cyclopenta[def]phenanthrene	190	C15H10	000203-64-5	94
2	Methyl diselenide	190	C2H6Se2	007101-31-7	45
3	2,3,5,6-Tetramethylterephthalald...	190	C12H14O2	007072-01-7	43
4	6H-Cyclobuta[jk]phenanthrene	190	C15H10	083469-43-6	42
5	2,2'-Bis(4,5-dimethylimidazole)	190	C10H14N4	069286-06-2	40



Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF070725\
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Sample : Q2484-01
Misc :
ALS Vial : 17 Sample Multiplier: 1

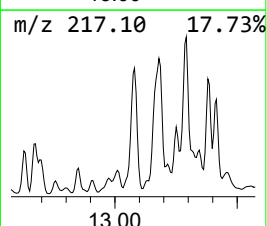
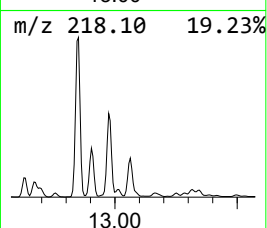
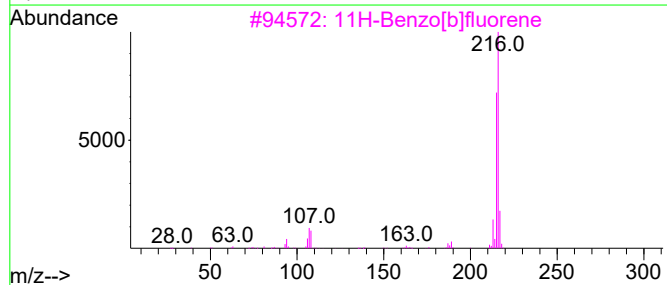
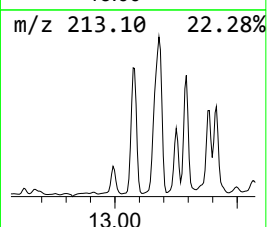
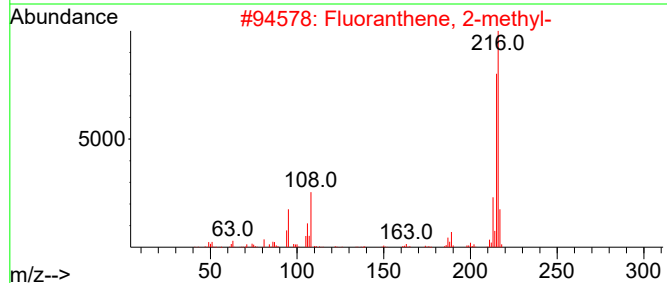
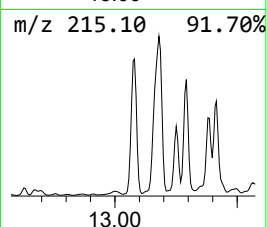
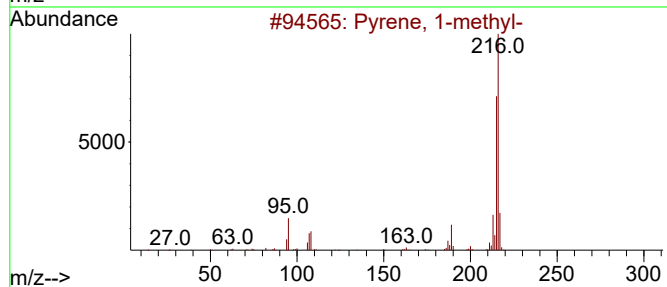
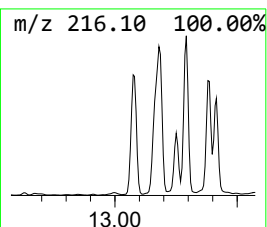
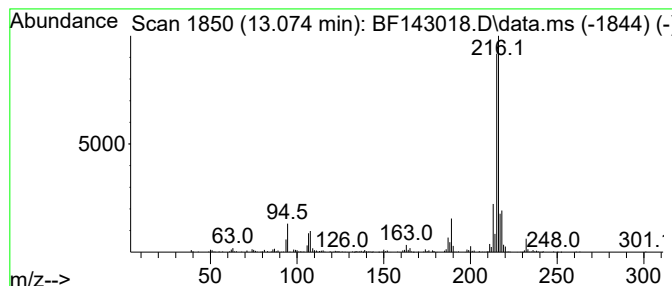
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 11 Pyrene, 1-methyl- Concentration Rank 12

R.T.	EstConc	Area	Relative to ISTD		R.T.	
13.074	3.80 ng	518280	Chrysene-d12		14.068	
Hit# of 5	Tentative ID		MW	MolForm	CAS#	Qual
1	Pyrene, 1-methyl-		216	C17H12	002381-21-7	96
2	Fluoranthene, 2-methyl-		216	C17H12	033543-31-6	94
3	11H-Benzo[b]fluorene		216	C17H12	000243-17-4	87
4	11H-Benzo[a]fluorene		216	C17H12	000238-84-6	81
5	Pyrene, 2-methyl-		216	C17H12	003442-78-2	64



Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF070725\
Data File : BF143018.D
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Sample : Q2484-01
Misc :
ALS Vial : 17 Sample Multiplier: 1

Instrument :
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ClientSampleId :
TP-58

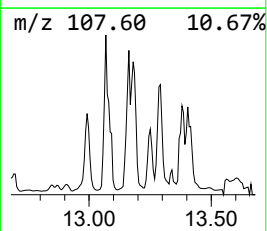
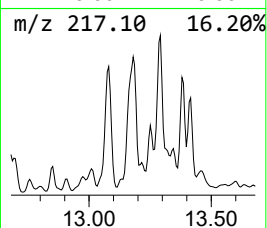
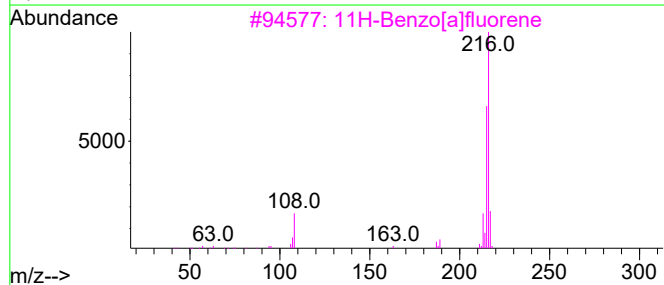
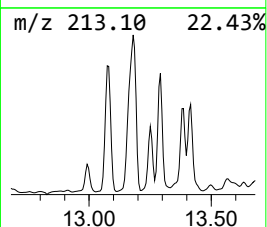
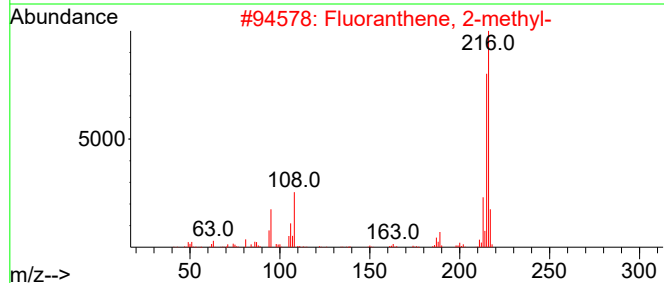
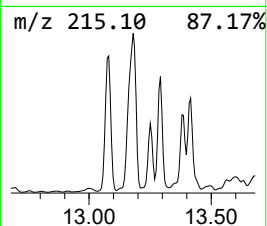
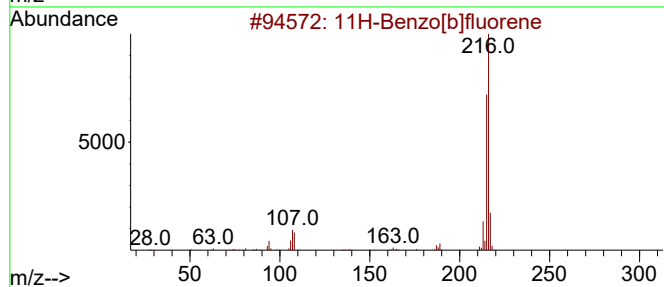
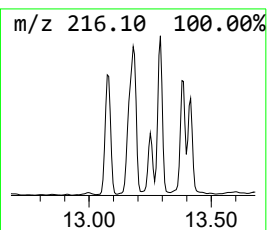
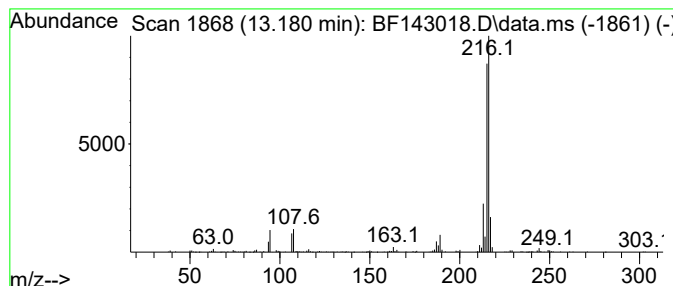
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 12 11H-Benzo[b]fluorene Concentration Rank 11

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.180	3.85 ng	525170	Chrysene-d12	14.068

Hit#	of	5	Tentative ID	MW	MolForm	CAS#	Qual
1			11H-Benzo[b]fluorene	216	C17H12	000243-17-4	95
2			Fluoranthene, 2-methyl-	216	C17H12	033543-31-6	95
3			11H-Benzo[a]fluorene	216	C17H12	000238-84-6	94
4			Pyrene, 1-methyl-	216	C17H12	002381-21-7	94
5			7H-Benzo[c]fluorene	216	C17H12	000205-12-9	74



Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF070725\
Data File : BF143018.D
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Sample : Q2484-01
Misc :
ALS Vial : 17 Sample Multiplier: 1

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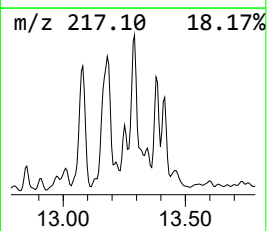
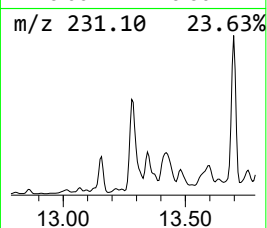
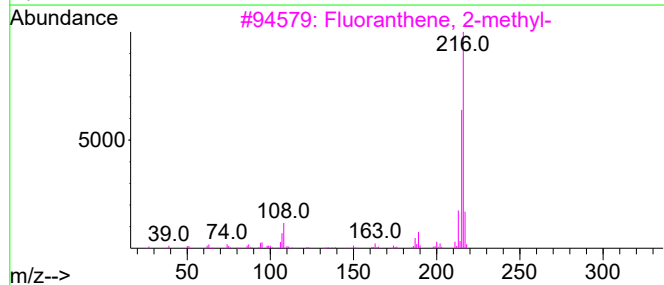
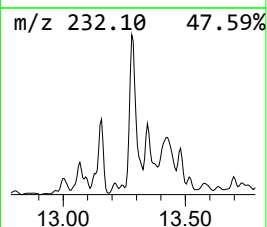
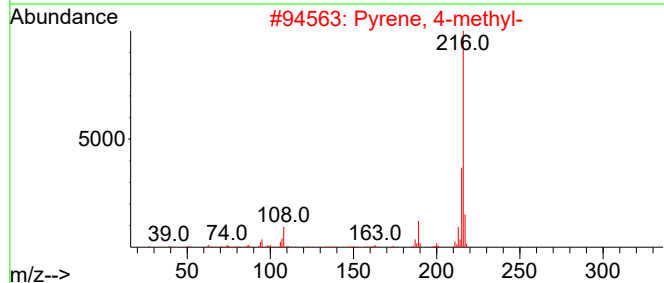
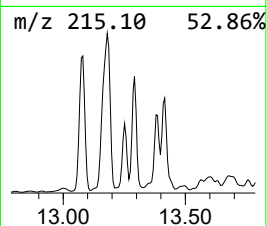
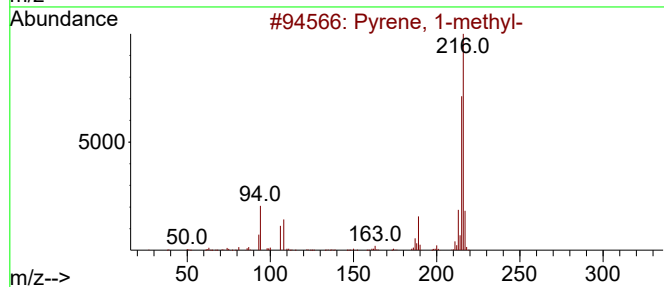
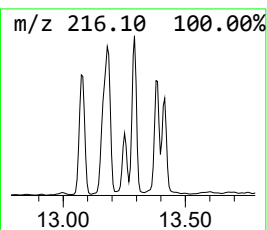
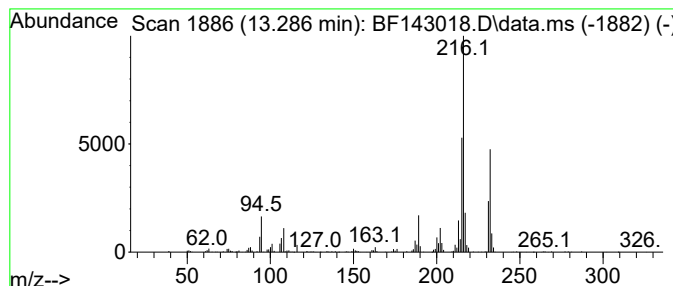
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 13 Pyrene, 4-methyl- Concentration Rank 18

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.286	2.98 ng	405440	Chrysene-d12	14.068

Hit#	of	5	Tentative ID	MW	MolForm	CAS#	Qual
1			Pyrene, 1-methyl-	216	C17H12	002381-21-7	96
2			Pyrene, 4-methyl-	216	C17H12	003353-12-6	93
3			Fluoranthene, 2-methyl-	216	C17H12	033543-31-6	91
4			Pyrene, 2-methyl-	216	C17H12	003442-78-2	83
5			11H-Benzo[a]fluorene	216	C17H12	000238-84-6	83



Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF070725\
Data File : BF143018.D
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Sample : Q2484-01
Misc :
ALS Vial : 17 Sample Multiplier: 1

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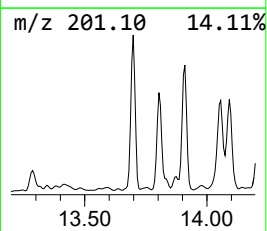
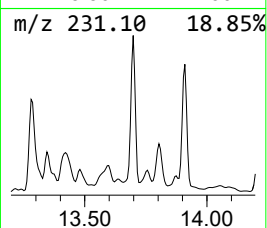
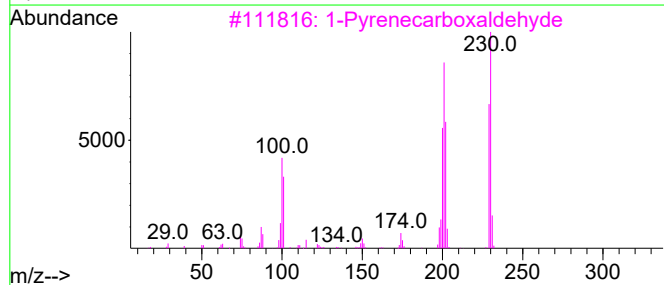
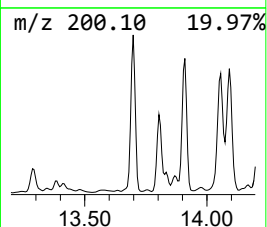
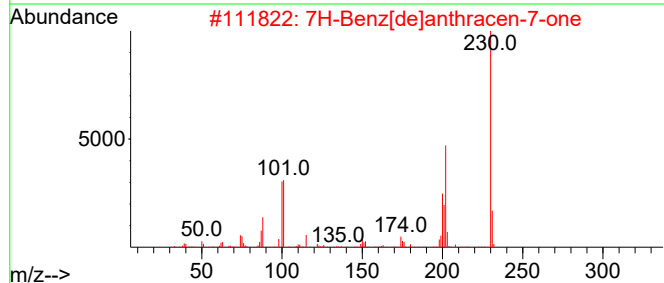
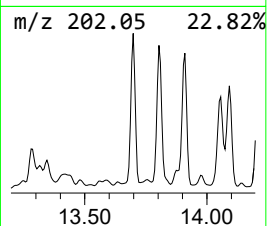
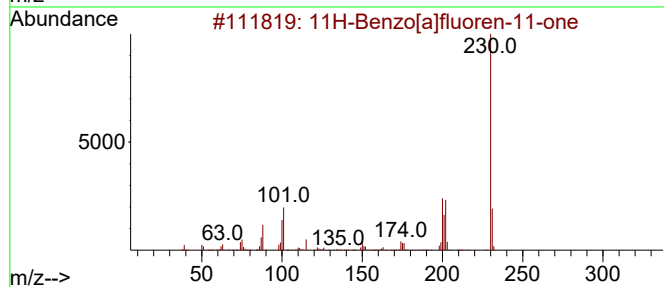
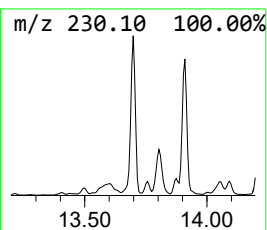
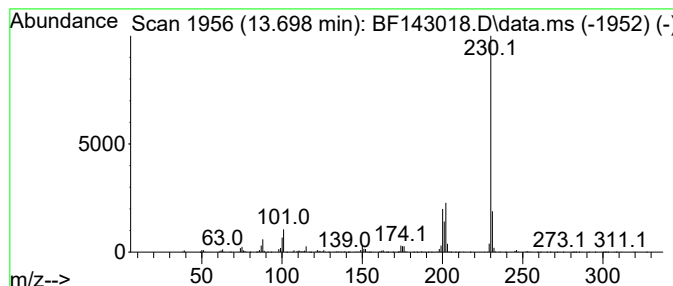
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 14 11H-Benzo[a]fluoren-11-one Concentration Rank 15

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.698	3.32 ng	452360	Chrysene-d12	14.068

Hit#	of	5	Tentative ID	MW	MolForm	CAS#	Qual
1			11H-Benzo[a]fluoren-11-one	230	C17H10O	000479-79-8	97
2			7H-Benz[de]anthracen-7-one	230	C17H10O	000082-05-3	90
3			1-Pyrenecarboxaldehyde	230	C17H10O	003029-19-4	78
4			o-Terphenyl	230	C18H14	000084-15-1	59
5			6H-Benz[de]anthracen-6-one	230	C17H10O	080252-14-8	59



Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF070725\
Data File : BF143018.D
Acq On : 07 Jul 2025 19:51
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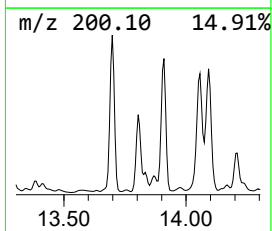
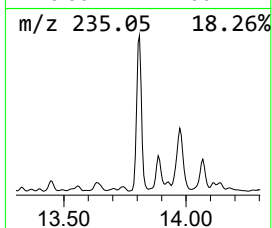
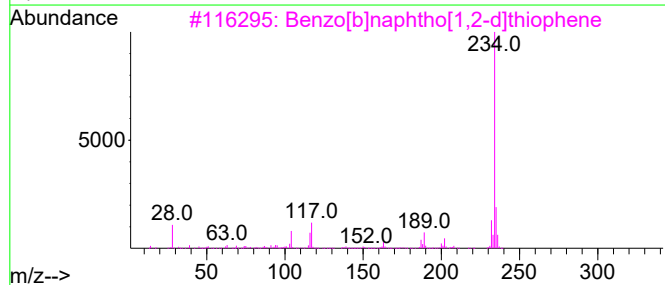
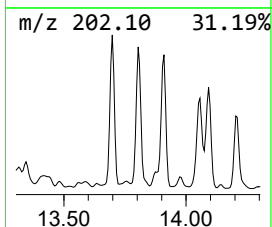
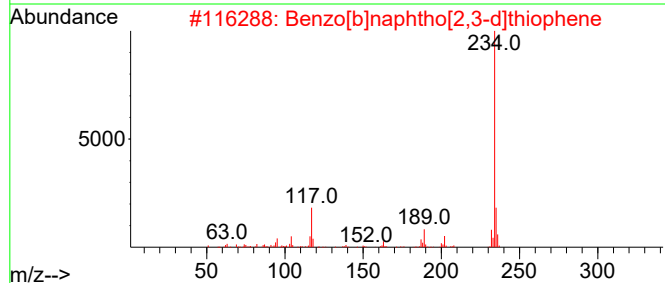
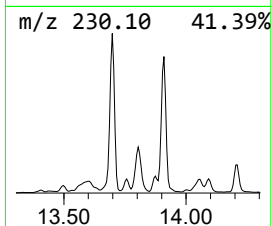
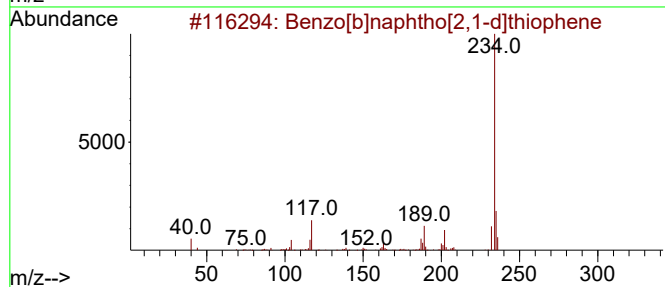
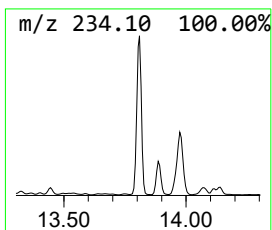
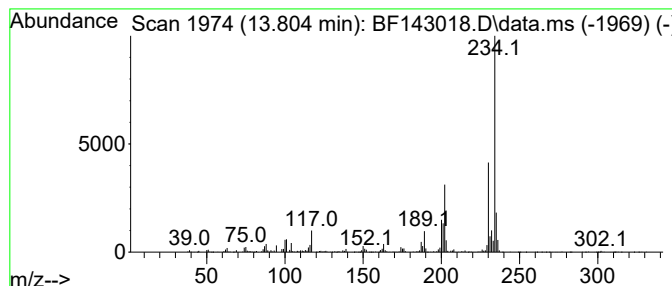
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 15 Benzo[b]naphtho[2,1-d]thiop... Concentration Rank 10

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.804	3.88 ng	528470	Chrysene-d12	14.068

Hit#	of 5	Tentative ID	MW	MolForm	CAS#	Qual
1		Benzo[b]naphtho[2,1-d]thiophene	234	C16H10S	000239-35-0	95
2		Benzo[b]naphtho[2,3-d]thiophene	234	C16H10S	000243-46-9	83
3		Benzo[b]naphtho[1,2-d]thiophene	234	C16H10S	000205-43-6	60
4		3-pyrazolidinone, 1-(3-ethoxyph...	234	C13H18N2O2	1000396-41-6	38
5		pyrido[1',2':1,2]imidazo[4,5-b]q...	234	C14H10N4	1000401-06-3	38



Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF070725\
Data File : BF143018.D
Acq On : 07 Jul 2025 19:51
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Misc :
ALS Vial : 17 Sample Multiplier: 1

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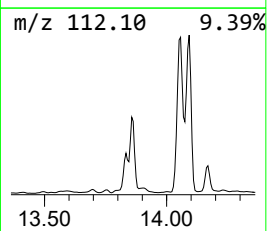
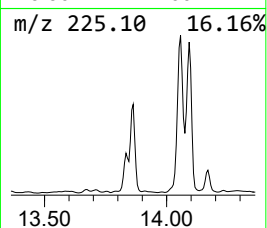
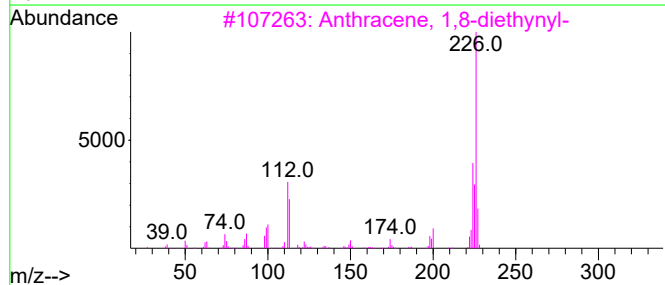
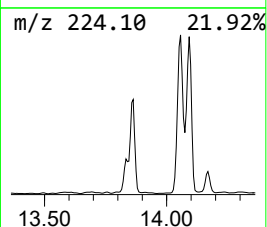
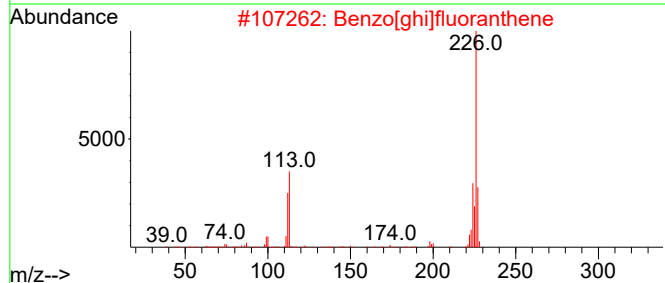
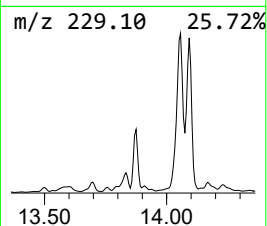
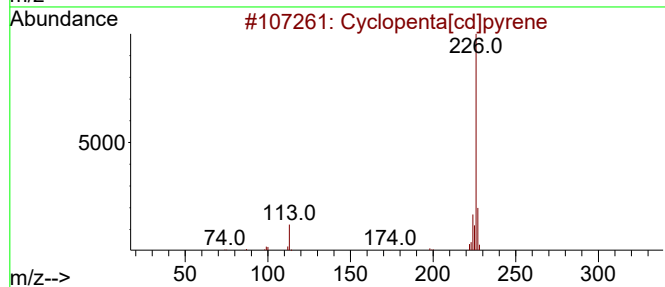
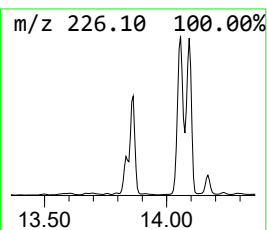
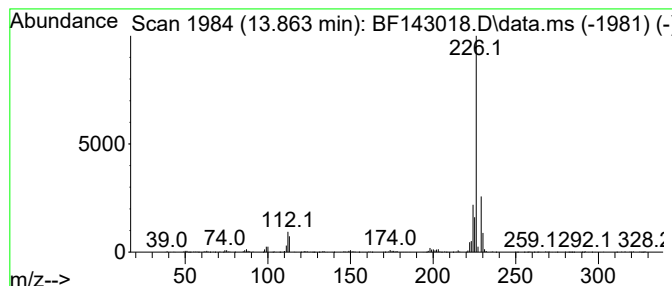
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 16 Cyclopenta[cd]pyrene Concentration Rank 14

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.863	3.34 ng	454397	Chrysene-d12	14.068

Hit#	of	5	Tentative ID	MW	MolForm	CAS#	Qual
1			Cyclopenta[cd]pyrene	226	C18H10	027208-37-3	64
2			Benzo[ghi]fluoranthene	226	C18H10	000203-12-3	35
3			Anthracene, 1,8-diethynyl-	226	C18H10	078053-58-4	10
4			1,3-Diamino-5,6-dihydro-7-methyl...	226	C13H14N4	037436-37-6	9
5			benzenamine, 4-(2-benzothiazolyl)-	226	C13H10N2S	1000400-93-4	9



Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF070725\
Data File : BF143018.D
Acq On : 07 Jul 2025 19:51
Operator : RC/JU
Sample : Q2484-01
Misc :
ALS Vial : 17 Sample Multiplier: 1

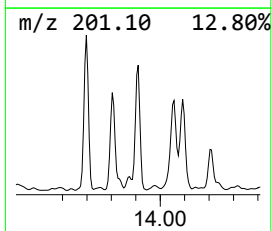
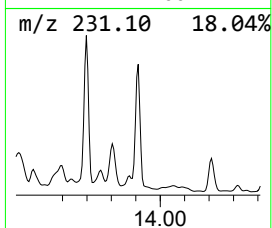
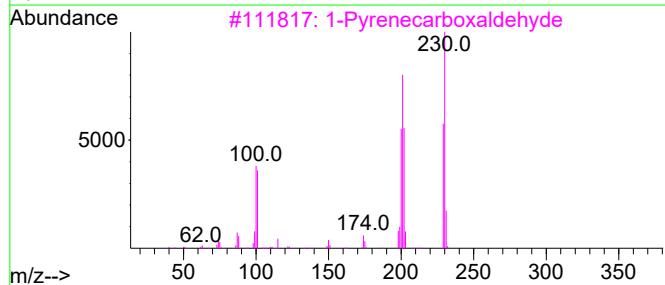
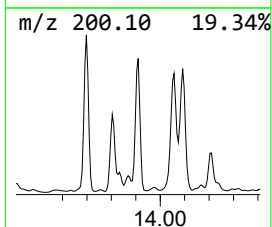
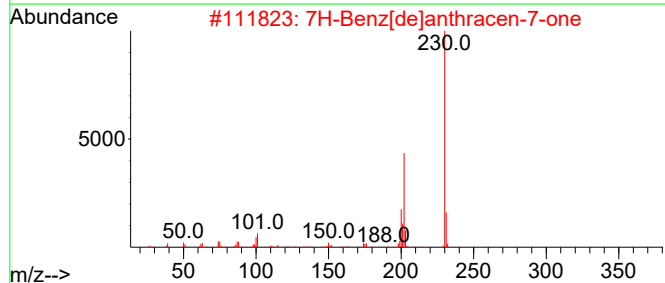
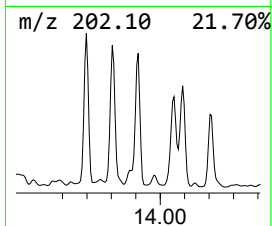
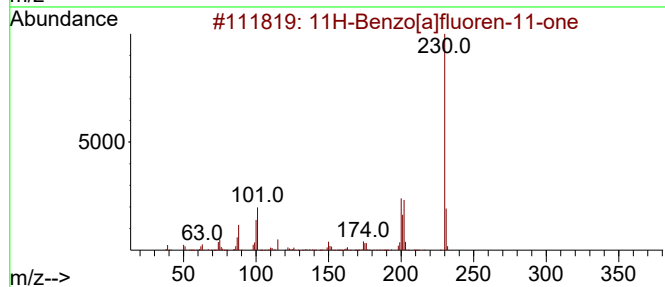
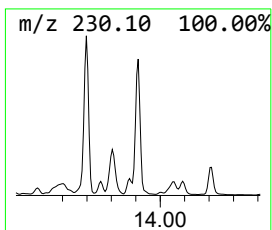
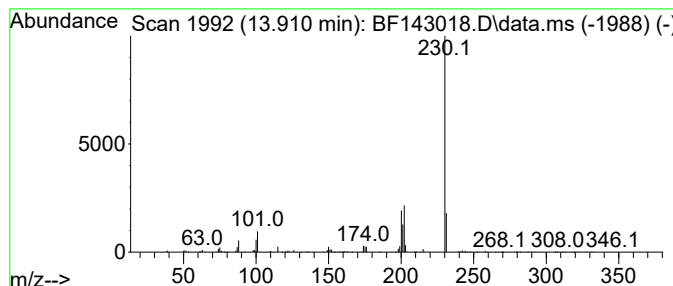
Instrument :
BNA_F
ClientSampleId :
TP-58

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 17 7H-Benz[de]anthracen-7-one Concentration Rank 16

R.T.	EstConc	Area	Relative to ISTD	R.T.	
13.910	3.28 ng	447079	Chrysene-d12	14.068	
Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	11H-Benzo[a]fluoren-11-one	230	C17H10O	000479-79-8	97
2	7H-Benz[de]anthracen-7-one	230	C17H10O	000082-05-3	91
3	1-Pyrenecarboxaldehyde	230	C17H10O	003029-19-4	72
4	4-Isothiazolocarboxitrile, 3,5-b...	230	C8H10N2S3	024135-13-5	59
5	o-Terphenyl	230	C18H14	000084-15-1	58



Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF070725\
Data File : BF143018.D
Acq On : 07 Jul 2025 19:51
Operator : RC/JU
Sample : Q2484-01
Misc :
ALS Vial : 17 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
TP-58

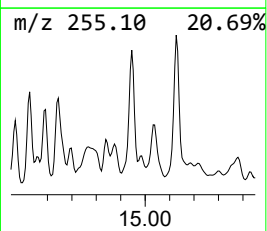
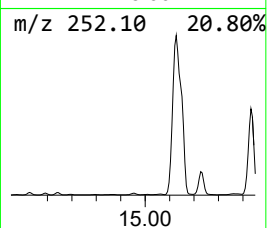
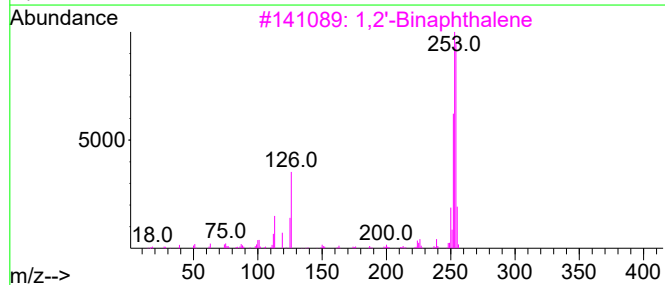
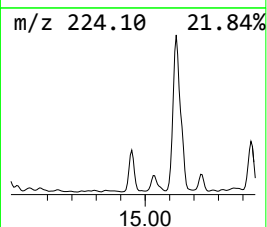
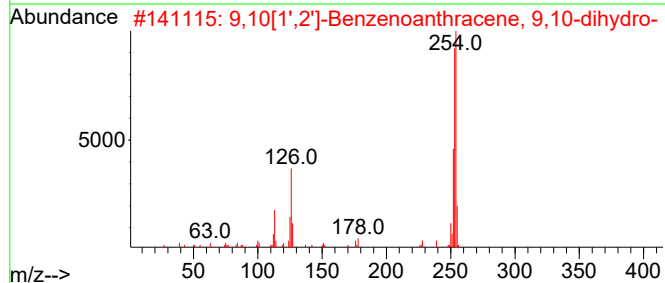
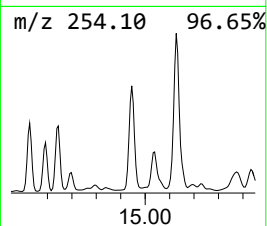
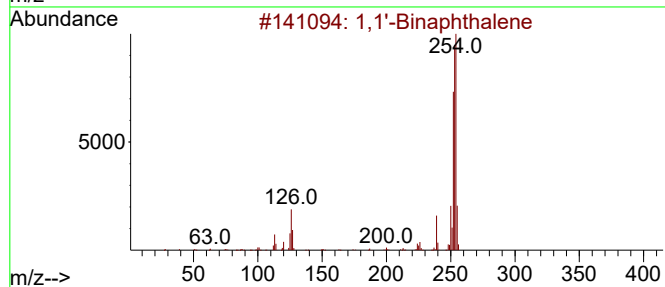
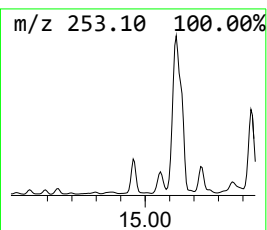
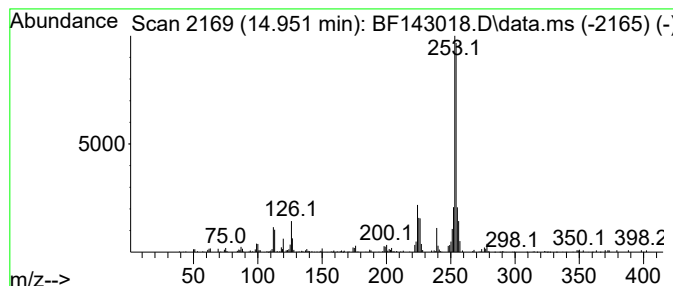
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 18 1,1'-Binaphthalene Concentration Rank 4

R.T.	EstConc	Area	Relative to ISTD	R.T.
14.951	15.15 ng	173576	Perylene-d12	15.562

Hit#	of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	1,1'	-Binaphthalene	254	C20H14	000604-53-5	78
2	9,10[1',2']	-Benzenoanthracene, 9...	254	C20H14	000477-75-8	76
3	1,2'	-Binaphthalene	254	C20H14	004325-74-0	68
4	9H-Fluorene, 9-(phenylmethylene)-		254	C20H14	001836-87-9	64
5	4,5-Dihydrobenzo[e]	pyrene	254	C20H14	095676-42-9	64



Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF070725\
Data File : BF143018.D
Acq On : 07 Jul 2025 19:51
Operator : RC/JU
Sample : Q2484-01
Misc :
ALS Vial : 17 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
TP-58

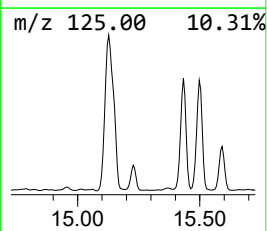
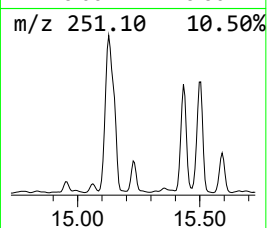
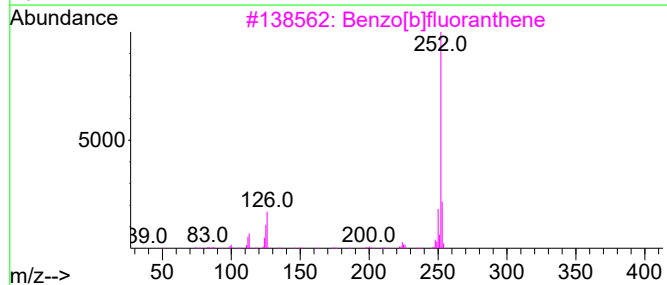
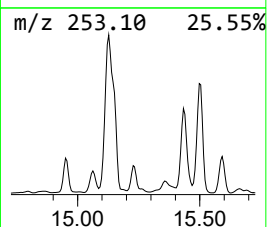
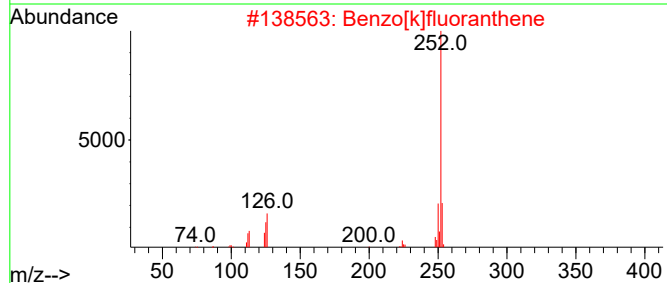
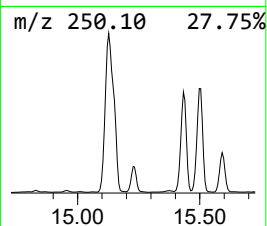
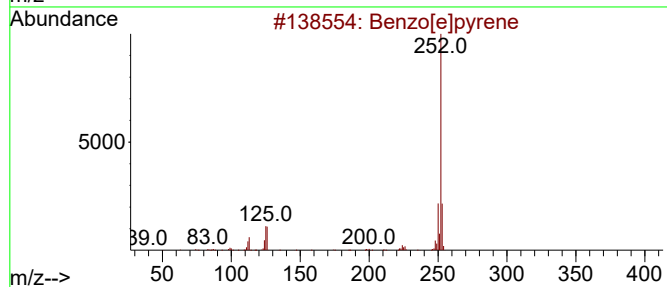
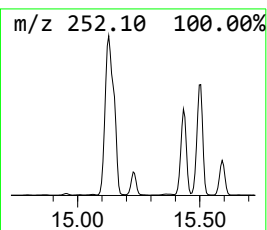
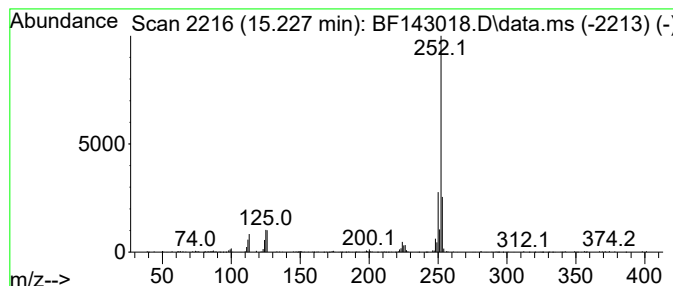
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF061925.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 19 Benzo[e]pyrene Concentration Rank 2

R.T.	EstConc	Area	Relative to ISTD	R.T.
15.227	15.73 ng	180201	Perylene-d12	15.562

Hit#	of 5	Tentative ID	MW	MolForm	CAS#	Qual
1		Benzo[e]pyrene	252	C20H12	000192-97-2	98
2		Benzo[k]fluoranthene	252	C20H12	000207-08-9	95
3		Benzo[b]fluoranthene	252	C20H12	000205-99-2	94
4		Benzo[a]pyrene	252	C20H12	000050-32-8	93
5		Benzo[j]fluoranthene	252	C20H12	000205-82-3	86



Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF070725\
Data File : BF143018.D
Acq On : 07 Jul 2025 19:51
Operator : RC/JU
Sample : Q2484-01
Misc :
ALS Vial : 17 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
TP-58

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	5.4	ng	71551	1	6.875	264465	20.0
Naphthalene, 1,...	9.498	5.9	ng	124867	3	9.916	425950	20.0
Naphthalene, 2,...	9.575	6.9	ng	147235	3	9.916	425950	20.0
Naphthalene, 2,...	9.598	2.8	ng	58892	3	9.916	425950	20.0
Naphthalene, 1,...	9.692	3.8	ng	80176	3	9.916	425950	20.0
Naphthalene, 2,...	10.233	3.1	ng	67083	3	9.916	425950	20.0
Naphthalene, 1,...	10.339	5.7	ng	120918	3	9.916	425950	20.0
Benzophenone	10.627	15.7	ng	333844	3	9.916	425950	20.0
Phenanthrene, 2...	11.939	2.5	ng	571214	4	11.410	4547780	20.0
4H-Cyclopenta[d]...	12.027	4.2	ng	963047	4	11.410	4547780	20.0
Pyrene, 1-methyl-	13.074	3.8	ng	518280	5	14.068	2724970	20.0
11H-Benzo[b]flu...	13.180	3.9	ng	525170	5	14.068	2724970	20.0
Pyrene, 4-methyl-	13.286	3.0	ng	405440	5	14.068	2724970	20.0
11H-Benzo[a]flu...	13.698	3.3	ng	452360	5	14.068	2724970	20.0
Benzo[b]naphtho...	13.804	3.9	ng	528470	5	14.068	2724970	20.0
Cyclopenta[cd]p...	13.863	3.3	ng	454397	5	14.068	2724970	20.0
7H-Benz[de]anth...	13.910	3.3	ng	447079	5	14.068	2724970	20.0
1,1'-Binaphthalene	14.951	15.2	ng	173576	6	15.562	229188	20.0
Benzo[e]pyrene	15.227	15.7	ng	180201	6	15.562	229188	20.0

Report of Analysis

Client:	CDM Smith	Date Collected:	07/01/25
Project:	South River WM Replacement	Date Received:	07/01/25
Client Sample ID:	TP-58DL	SDG No.:	Q2484
Lab Sample ID:	Q2484-01DL	Matrix:	SOIL
Analytical Method:	8270E	% Solid:	86.2
Sample Wt/Vol:	30.01	Units:	g
Soil Aliquot Vol:			uL
Extraction Type :		Decanted :	N
Injection Volume :		GPC Factor :	1.0
Prep Method :	SW3541	Level :	LOW
		Final Vol:	1000 uL
		Test:	SVOC-TCL BNA -20
		GPC Cleanup :	N
		PH :	

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
BF143042.D	5	07/02/25 08:55	07/08/25 19:41	PB168694

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units(Dry Weight)
TARGETS						
100-52-7	Benzaldehyde	900	UD	900	1900	ug/Kg
108-95-2	Phenol	130	UD	130	990	ug/Kg
111-44-4	bis(2-Chloroethyl)ether	140	UD	140	990	ug/Kg
95-57-8	2-Chlorophenol	140	UD	140	990	ug/Kg
95-48-7	2-Methylphenol	170	UD	170	990	ug/Kg
108-60-1	2,2-oxybis(1-Chloropropane)	220	UD	220	990	ug/Kg
98-86-2	Acetophenone	170	UD	170	990	ug/Kg
65794-96-9	3+4-Methylphenols	240	UD	240	1900	ug/Kg
621-64-7	n-Nitroso-di-n-propylamine	270	UD	270	460	ug/Kg
67-72-1	Hexachloroethane	100	UD	100	990	ug/Kg
98-95-3	Nitrobenzene	110	UD	110	990	ug/Kg
78-59-1	Isophorone	190	UD	190	990	ug/Kg
88-75-5	2-Nitrophenol	340	UD	340	990	ug/Kg
105-67-9	2,4-Dimethylphenol	380	UD	380	990	ug/Kg
111-91-1	bis(2-Chloroethoxy)methane	180	UD	180	990	ug/Kg
120-83-2	2,4-Dichlorophenol	160	UD	160	990	ug/Kg
91-20-3	Naphthalene	130	UD	130	990	ug/Kg
106-47-8	4-Chloroaniline	210	UD	210	990	ug/Kg
87-68-3	Hexachlorobutadiene	150	UD	150	990	ug/Kg
105-60-2	Caprolactam	300	UD	300	1900	ug/Kg
59-50-7	4-Chloro-3-methylphenol	170	UD	170	990	ug/Kg
91-57-6	2-Methylnaphthalene	150	UD	150	990	ug/Kg
77-47-4	Hexachlorocyclopentadiene	670	UD	670	1900	ug/Kg
88-06-2	2,4,6-Trichlorophenol	110	UD	110	990	ug/Kg
95-95-4	2,4,5-Trichlorophenol	170	UD	170	990	ug/Kg
92-52-4	1,1-Biphenyl	130	UD	130	990	ug/Kg
91-58-7	2-Chloronaphthalene	130	UD	130	990	ug/Kg
88-74-4	2-Nitroaniline	280	UD	280	990	ug/Kg
131-11-3	Dimethylphthalate	160	UD	160	990	ug/Kg

Report of Analysis

Client:	CDM Smith	Date Collected:	07/01/25
Project:	South River WM Replacement	Date Received:	07/01/25
Client Sample ID:	TP-58DL	SDG No.:	Q2484
Lab Sample ID:	Q2484-01DL	Matrix:	SOIL
Analytical Method:	8270E	% Solid:	86.2
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
BF143042.D	5	07/02/25 08:55	07/08/25 19:41	PB168694

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units(Dry Weight)
208-96-8	Acenaphthylene	170	UD	170	990	ug/Kg
606-20-2	2,6-Dinitrotoluene	190	UD	190	990	ug/Kg
99-09-2	3-Nitroaniline	270	UD	270	990	ug/Kg
83-32-9	Acenaphthene	540	JD	120	990	ug/Kg
51-28-5	2,4-Dinitrophenol	1300	UD	1300	1900	ug/Kg
100-02-7	4-Nitrophenol	620	UD	620	1900	ug/Kg
132-64-9	Dibenzofuran	1200	D	130	990	ug/Kg
121-14-2	2,4-Dinitrotoluene	290	UD	290	990	ug/Kg
84-66-2	Diethylphthalate	160	UD	160	990	ug/Kg
7005-72-3	4-Chlorophenyl-phenylether	150	UD	150	990	ug/Kg
86-73-7	Fluorene	1500	D	150	990	ug/Kg
100-01-6	4-Nitroaniline	370	UD	370	990	ug/Kg
534-52-1	4,6-Dinitro-2-methylphenol	600	UD	600	1900	ug/Kg
86-30-6	n-Nitrosodiphenylamine	190	UD	190	990	ug/Kg
101-55-3	4-Bromophenyl-phenylether	160	UD	160	990	ug/Kg
118-74-1	Hexachlorobenzene	150	UD	150	990	ug/Kg
1912-24-9	Atrazine	200	UD	200	990	ug/Kg
87-86-5	Pentachlorophenol	300	UD	300	1900	ug/Kg
85-01-8	Phenanthrene	9700	D	120	990	ug/Kg
120-12-7	Anthracene	1500	D	190	990	ug/Kg
86-74-8	Carbazole	780	JD	180	990	ug/Kg
84-74-2	Di-n-butylphthalate	280	UD	280	990	ug/Kg
206-44-0	Fluoranthene	10900	D	170	990	ug/Kg
129-00-0	Pyrene	5900	D	210	990	ug/Kg
85-68-7	Butylbenzylphthalate	410	UDQ	410	990	ug/Kg
91-94-1	3,3-Dichlorobenzidine	210	UD	210	1900	ug/Kg
56-55-3	Benzo(a)anthracene	4700	D	130	990	ug/Kg
218-01-9	Chrysene	3900	D	120	990	ug/Kg
117-81-7	Bis(2-ethylhexyl)phthalate	340	UD	340	990	ug/Kg
117-84-0	Di-n-octyl phthalate	500	UD	500	1900	ug/Kg
205-99-2	Benzo(b)fluoranthene	5300	D	110	990	ug/Kg

Report of Analysis

Client:	CDM Smith	Date Collected:	07/01/25
Project:	South River WM Replacement	Date Received:	07/01/25
Client Sample ID:	TP-58DL	SDG No.:	Q2484
Lab Sample ID:	Q2484-01DL	Matrix:	SOIL
Analytical Method:	8270E	% Solid:	86.2
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
BF143042.D	5	07/02/25 08:55	07/08/25 19:41	PB168694

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units(Dry Weight)
207-08-9	Benzo(k)fluoranthene	1800	D	130	990	ug/Kg
50-32-8	Benzo(a)pyrene	3500	D	170	990	ug/Kg
193-39-5	Indeno(1,2,3-cd)pyrene	1500	D	170	990	ug/Kg
53-70-3	Dibenzo(a,h)anthracene	450	JD	160	990	ug/Kg
191-24-2	Benzo(g,h,i)perylene	1600	D	150	990	ug/Kg
95-94-3	1,2,4,5-Tetrachlorobenzene	150	UD	150	990	ug/Kg
123-91-1	1,4-Dioxane	260	UD	260	990	ug/Kg
58-90-2	2,3,4,6-Tetrachlorophenol	160	UD	160	990	ug/Kg
SURROGATES						
367-12-4	2-Fluorophenol	70.3		18 - 112	47%	SPK: 150
13127-88-3	Phenol-d6	75.6		15 - 107	50%	SPK: 150
4165-60-0	Nitrobenzene-d5	46.2		18 - 107	46%	SPK: 100
321-60-8	2-Fluorobiphenyl	44.0		20 - 109	44%	SPK: 100
118-79-6	2,4,6-Tribromophenol	36.6		10 - 116	24%	SPK: 150
1718-51-0	Terphenyl-d14	27.2		10 - 105	27%	SPK: 100
INTERNAL STANDARDS						
3855-82-1	1,4-Dichlorobenzene-d4	55100	6.869			
1146-65-2	Naphthalene-d8	206000	8.157			
15067-26-2	Acenaphthene-d10	102000	9.916			
1517-22-2	Phenanthrene-d10	148000	11.404			
1719-03-5	Chrysene-d12	120000	14.051			
1520-96-3	Perylene-d12	142000	15.551			

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\BF070825\
 Data File : BF143042.D
 Acq On : 08 Jul 2025 19:41
 Operator : RC/JU
 Sample : Q2484-01DL 5X
 Misc :
 ALS Vial : 19 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 TP-58DL

Quant Time: Jul 09 01:41:33 2025
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF061925.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Tue Jun 24 05:28:21 2025
 Response via : Initial Calibration

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

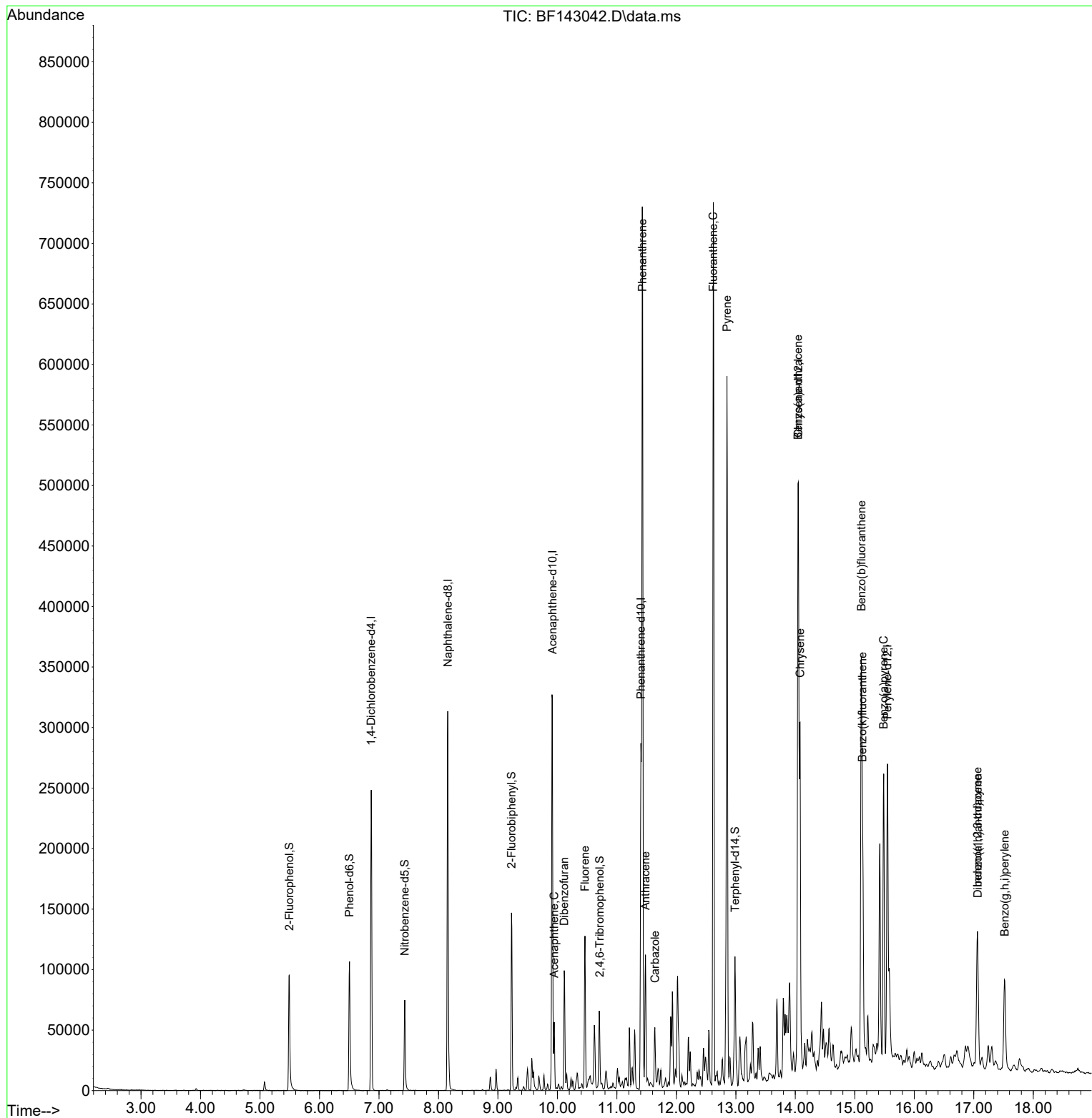
Internal Standards						
1) 1,4-Dichlorobenzene-d4	6.869	152	55124	20.000	ng	-0.01
21) Naphthalene-d8	8.157	136	205762	20.000	ng	-0.01
39) Acenaphthene-d10	9.916	164	101508	20.000	ng	0.00
64) Phenanthrene-d10	11.404	188	147948	20.000	ng	0.00
76) Chrysene-d12	14.051	240	119601	20.000	ng	0.00
86) Perylene-d12	15.551	264	141551	20.000	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.493	112	46567	14.065	ng	0.00
7) Phenol-d6	6.504	99	59033	15.113	ng	0.00
23) Nitrobenzene-d5	7.434	82	34671	9.242	ng	-0.01
42) 2,4,6-Tribromophenol	10.710	330	7643	7.317	ng	0.00
45) 2-Fluorobiphenyl	9.228	172	67977	8.797	ng	-0.02
79) Terphenyl-d14	12.986	244	47071	5.438	ng	-0.01
Target Compounds						Qvalue
52) Acenaphthene	9.945	154	16736	2.769	ng	99
55) Dibenzofuran	10.116	168	53957	6.226	ng	97
58) Fluorene	10.463	166	52087	7.695	ng	100
71) Phenanthrene	11.428	178	402101	50.173	ng	99
72) Anthracene	11.480	178	64102	7.799	ng	99
73) Carbazole	11.639	167	28748	4.053	ng	99
75) Fluoranthene	12.622	202	429657	56.489	ng	100
78) Pyrene	12.851	202	341329	30.447	ng	99
81) Benzo(a)anthracene	14.045	228	194490	24.105	ng	98
83) Chrysene	14.080	228	143686	19.958	ng	98
87) Indeno(1,2,3-cd)pyrene	17.062	276	81300	7.540	ng	96
88) Benzo(b)fluoranthene	15.110	252	222779m	27.199	ng	
89) Benzo(k)fluoranthene	15.127	252	71168m	9.287	ng	
90) Benzo(a)pyrene	15.486	252	143707	18.161	ng	99
91) Dibenzo(a,h)anthracene	17.068	278	20551m	2.346	ng	
92) Benzo(g,h,i)perylene	17.521	276	70121	8.027	ng	99

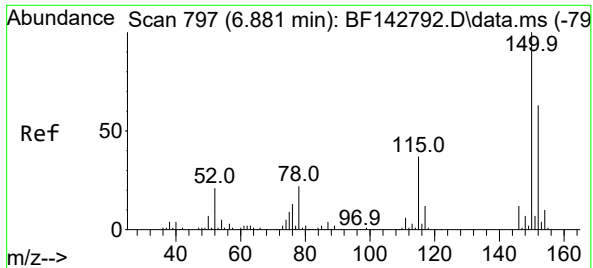
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF070825\
Data File : BF143042.D
Acq On : 08 Jul 2025 19:41
Operator : RC/JU
Sample : Q2484-01DL 5X
Misc :
ALS Vial : 19 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
TP-58DL

Quant Time: Jul 09 01:41:33 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF061925.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Tue Jun 24 05:28:21 2025
Response via : Initial Calibration

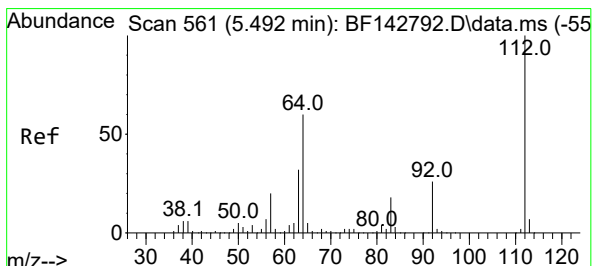
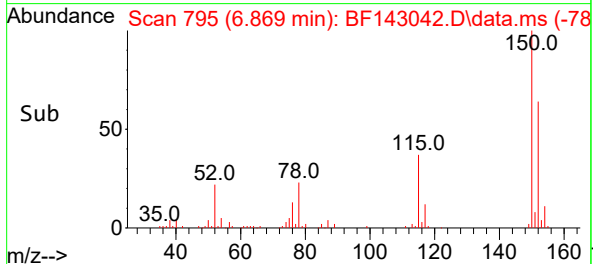
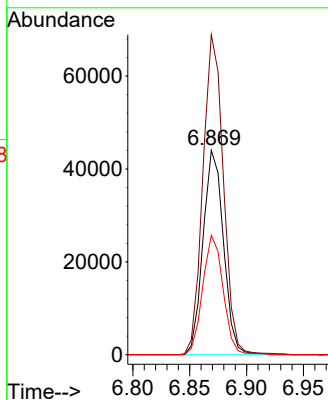
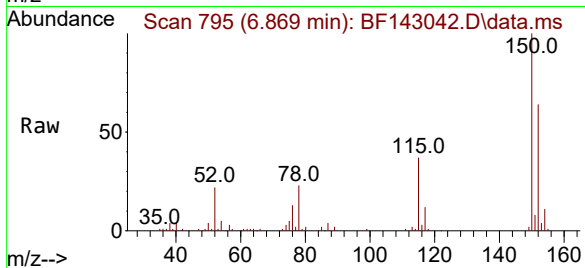




#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.869 min Scan# 797
Delta R.T. -0.012 min
Lab File: BF143042.D
Acq: 08 Jul 2025 19:41

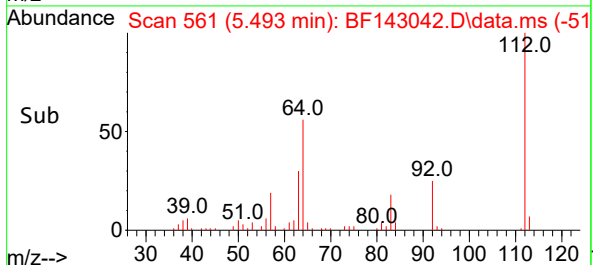
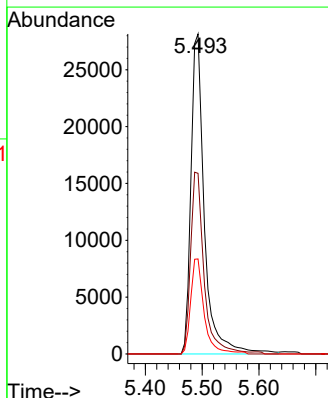
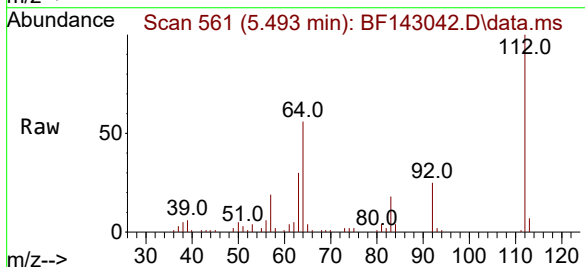
Instrument :
BNA_F
ClientSampleId :
TP-58DL

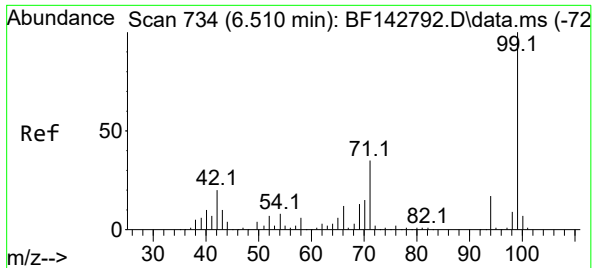
Tgt Ion:152 Resp: 55124
Ion Ratio Lower Upper
152 100
150 156.6 127.2 190.8
115 58.4 46.6 69.8



#5
2-Fluorophenol
Concen: 14.065 ng
RT: 5.493 min Scan# 561
Delta R.T. 0.001 min
Lab File: BF143042.D
Acq: 08 Jul 2025 19:41

Tgt Ion:112 Resp: 46567
Ion Ratio Lower Upper
112 100
64 56.4 48.2 72.2
63 29.7 25.7 38.5

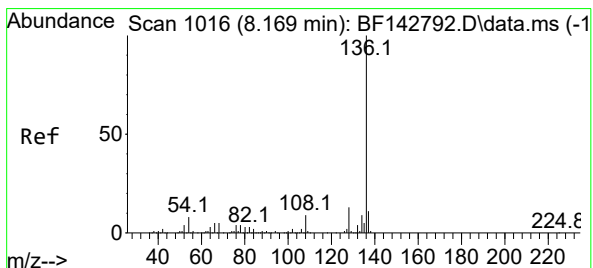
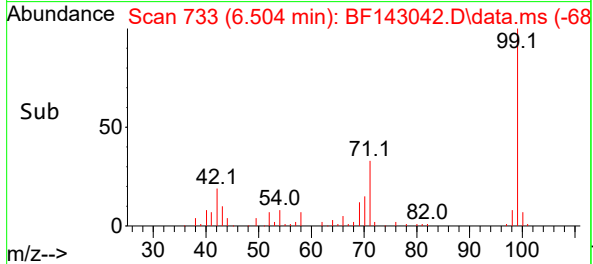
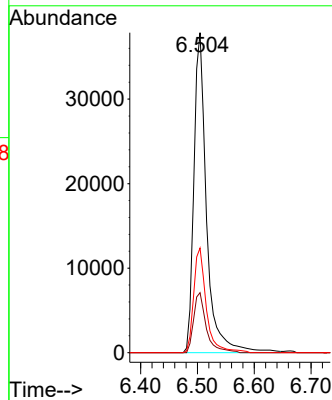
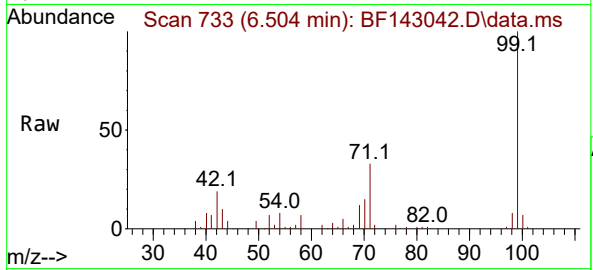




#7
Phenol-d6
Concen: 15.113 ng
RT: 6.504 min Scan# 71
Delta R.T. -0.006 min
Lab File: BF143042.D
Acq: 08 Jul 2025 19:41

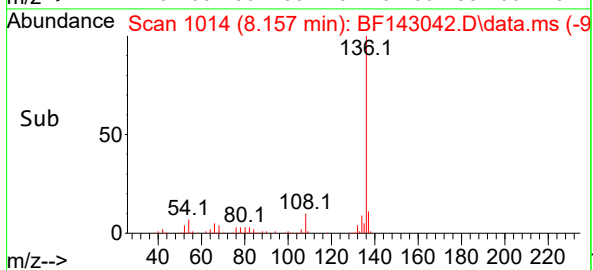
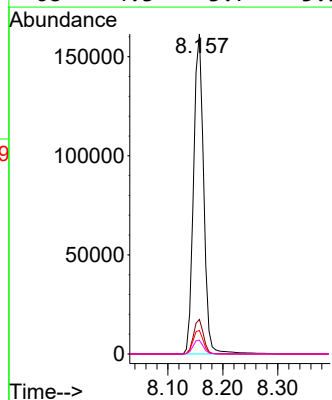
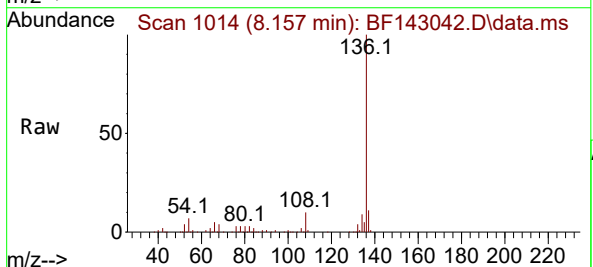
Instrument :
BNA_F
ClientSampleId :
TP-58DL

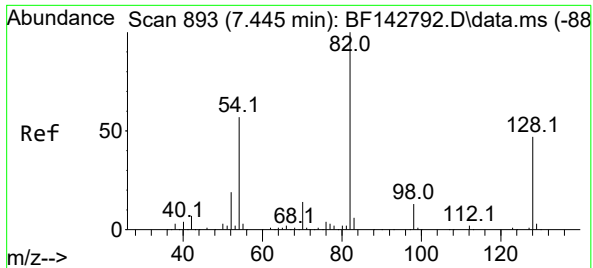
Tgt Ion: 99 Resp: 59033
Ion Ratio Lower Upper
99 100
42 18.7 15.9 23.9
71 32.7 27.8 41.8



#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.157 min Scan# 1014
Delta R.T. -0.012 min
Lab File: BF143042.D
Acq: 08 Jul 2025 19:41

Tgt Ion: 136 Resp: 205762
Ion Ratio Lower Upper
136 100
137 10.8 8.4 12.6
54 7.3 6.3 9.5
68 4.3 3.7 5.5





#23

Nitrobenzene-d5

Concen: 9.242 ng

RT: 7.434 min Scan# 89

Delta R.T. -0.011 min

Lab File: BF143042.D

Acq: 08 Jul 2025 19:41

Instrument :

BNA_F

ClientSampleId :

TP-58DL

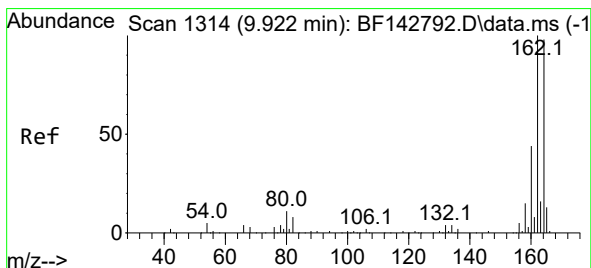
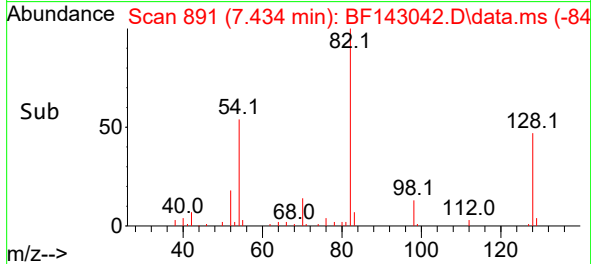
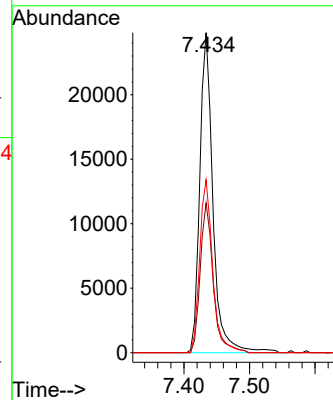
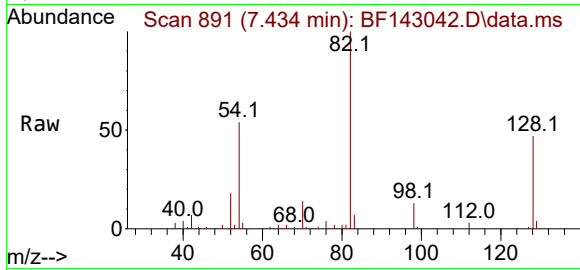
Tgt Ion: 82 Resp: 34671

Ion Ratio Lower Upper

82 100

128 46.8 37.7 56.5

54 54.0 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: BF143042.D

Acq: 08 Jul 2025 19:41

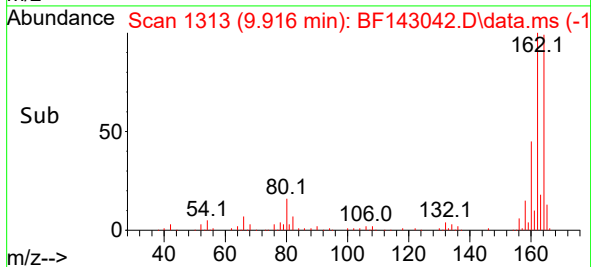
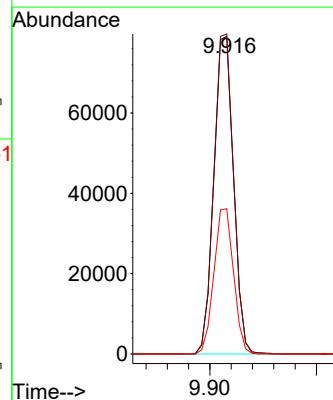
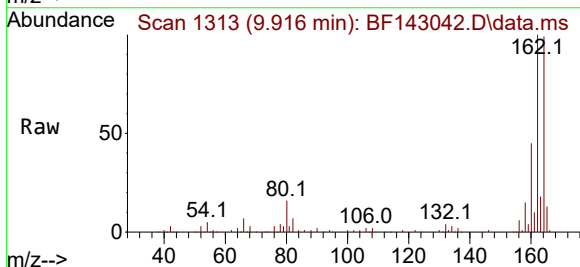
Tgt Ion:164 Resp: 101508

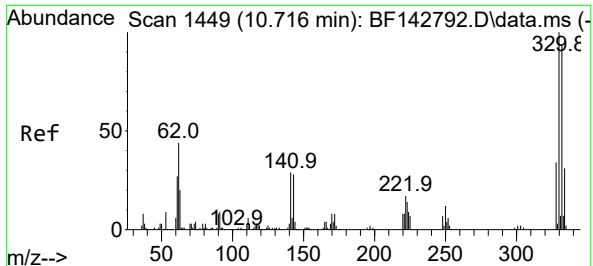
Ion Ratio Lower Upper

164 100

162 100.8 81.8 122.8

160 45.8 36.0 54.0

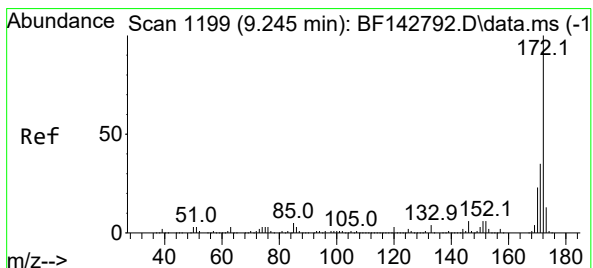
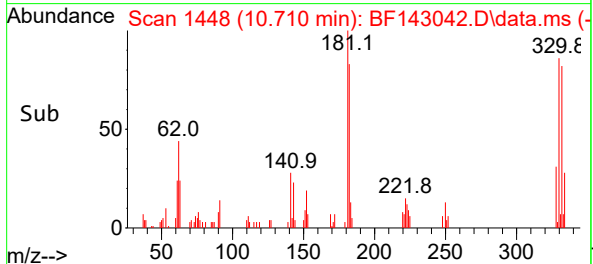
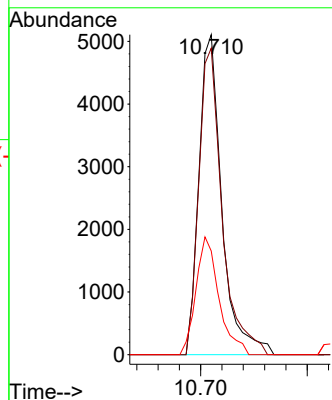
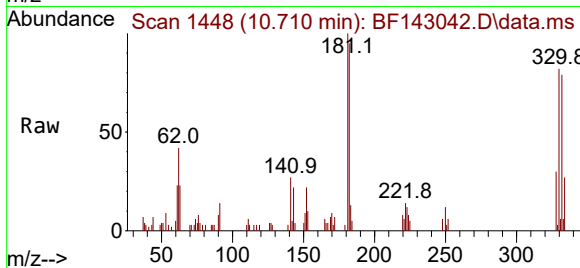




#42
2,4,6-Tribromophenol
Concen: 7.317 ng
RT: 10.710 min Scan# 1449
Delta R.T. -0.006 min
Lab File: BF143042.D
Acq: 08 Jul 2025 19:41

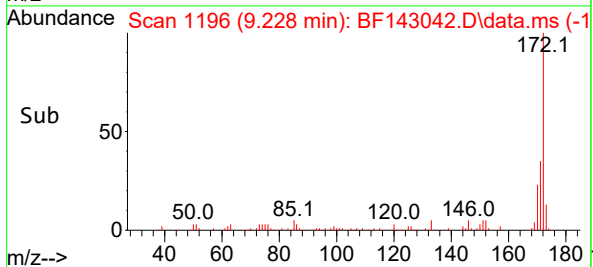
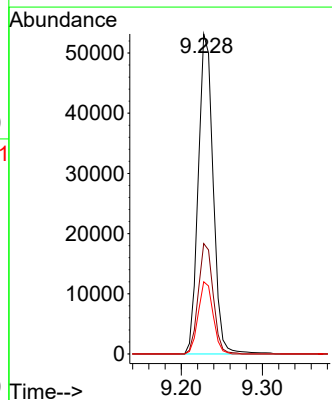
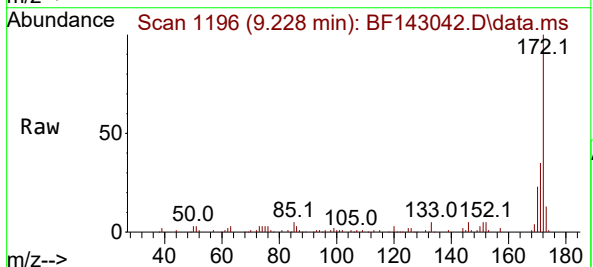
Instrument :
BNA_F
ClientSampleId :
TP-58DL

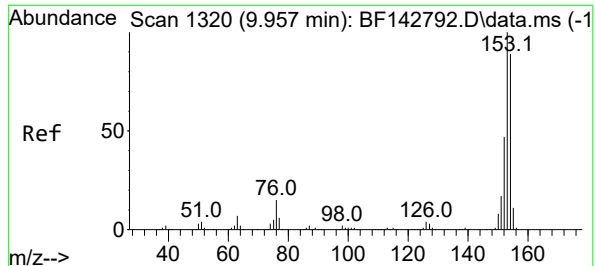
Tgt Ion	330	Resp	7643
Ion Ratio	Lower	Upper	
330	100		
332	97.1	75.0	112.6
141	37.0	25.3	37.9



#45
2-Fluorobiphenyl
Concen: 8.797 ng
RT: 9.228 min Scan# 1196
Delta R.T. -0.017 min
Lab File: BF143042.D
Acq: 08 Jul 2025 19:41

Tgt Ion	172	Resp	67977
Ion Ratio	Lower	Upper	
172	100		
171	34.5	28.2	42.4
170	22.6	18.5	27.7





#52

Acenaphthene

Concen: 2.769 ng

RT: 9.945 min Scan# 1318

Delta R.T. -0.012 min

Lab File: BF143042.D

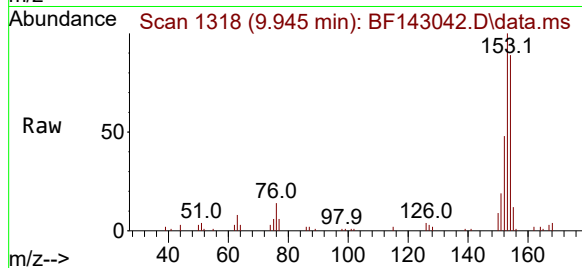
Acq: 08 Jul 2025 19:41

Instrument :

BNA_F

ClientSampleId :

TP-58DL



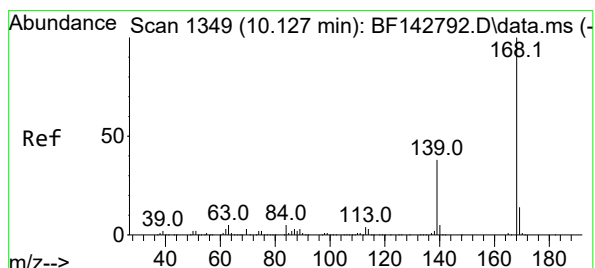
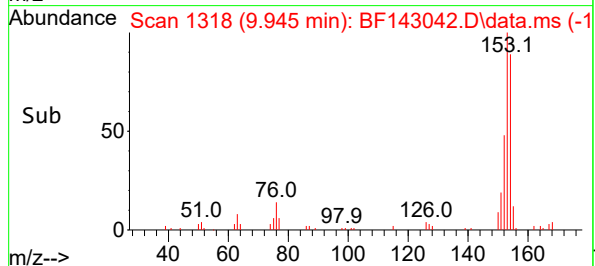
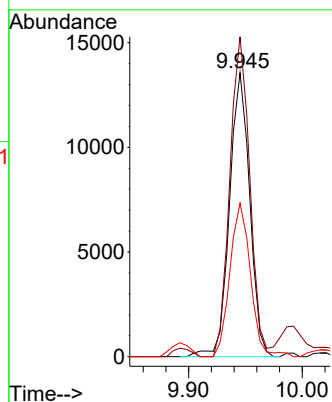
Tgt Ion:154 Resp: 16736

Ion Ratio Lower Upper

154 100

153 112.6 90.0 135.0

152 54.0 41.9 62.9



#55

Dibenzofuran

Concen: 6.226 ng

RT: 10.116 min Scan# 1347

Delta R.T. -0.012 min

Lab File: BF143042.D

Acq: 08 Jul 2025 19:41

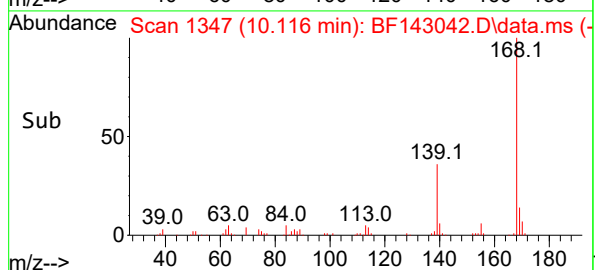
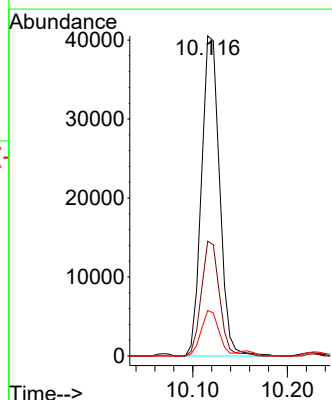
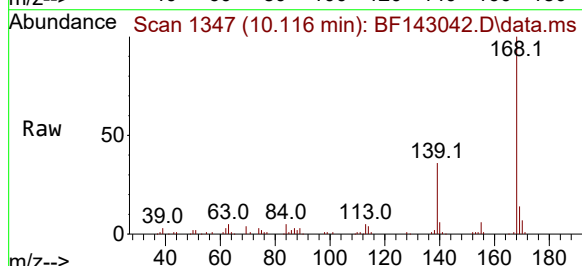
Tgt Ion:168 Resp: 53957

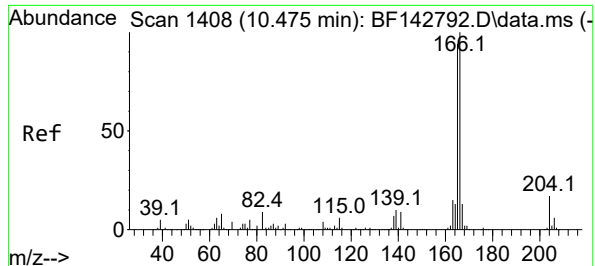
Ion Ratio Lower Upper

168 100

139 35.9 30.2 45.4

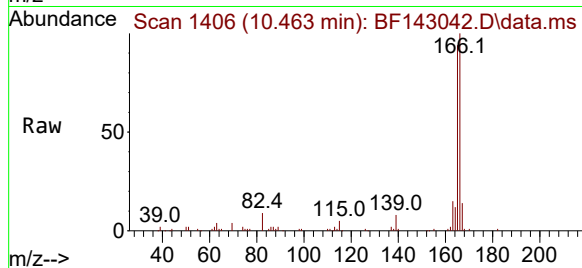
169 14.2 10.8 16.2



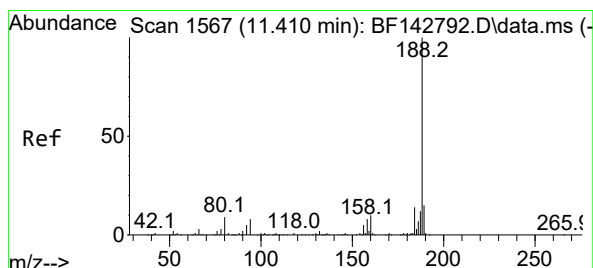
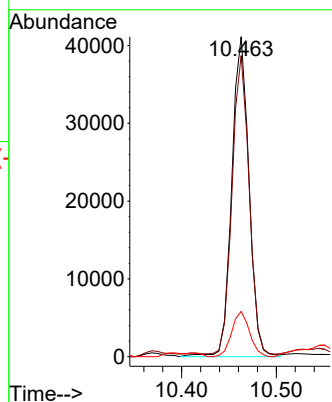
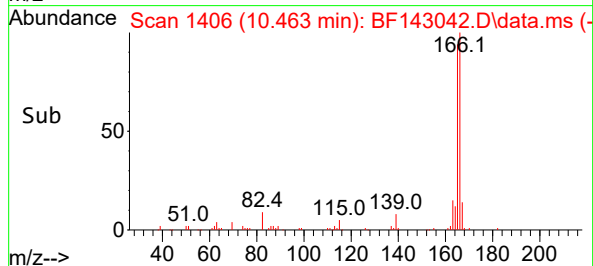


#58
Fluorene
Concen: 7.695 ng
RT: 10.463 min Scan# 1406
Delta R.T. -0.012 min
Lab File: BF143042.D
Acq: 08 Jul 2025 19:41

Instrument :
BNA_F
ClientSampleId :
TP-58DL

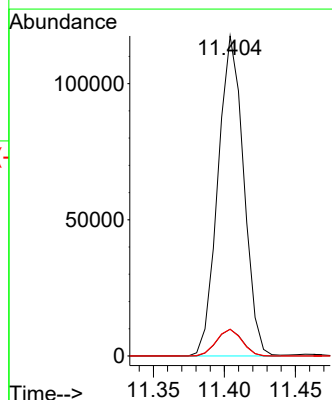
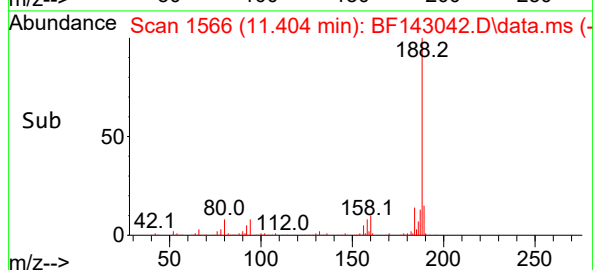
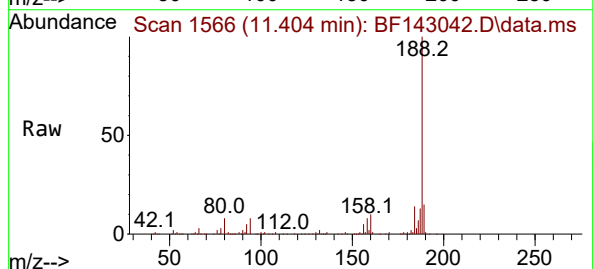


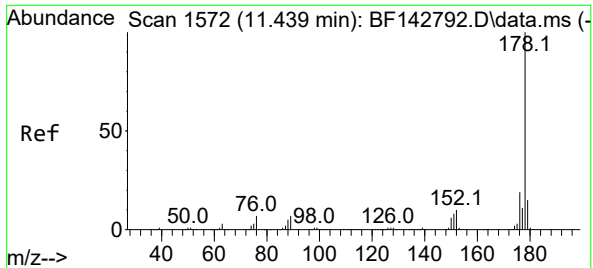
Tgt Ion:166 Resp: 52087
Ion Ratio Lower Upper
166 100
165 94.1 75.2 112.8
167 14.2 10.6 15.8



#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.404 min Scan# 1566
Delta R.T. -0.006 min
Lab File: BF143042.D
Acq: 08 Jul 2025 19:41

Tgt Ion:188 Resp: 147948
Ion Ratio Lower Upper
188 100
94 8.4 6.7 10.1
80 8.4 6.9 10.3

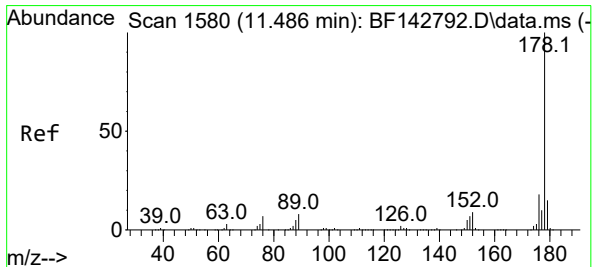
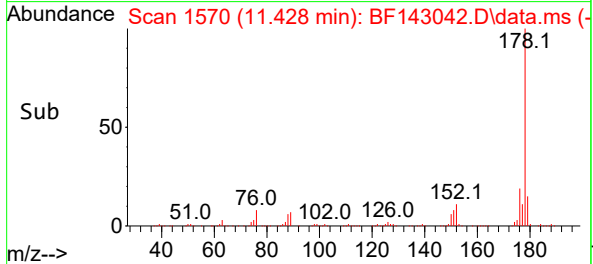
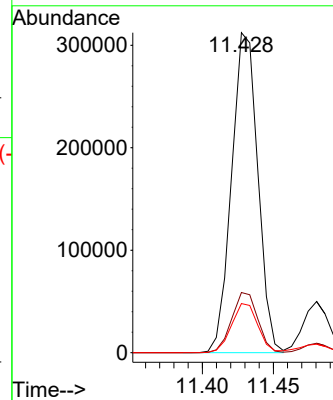
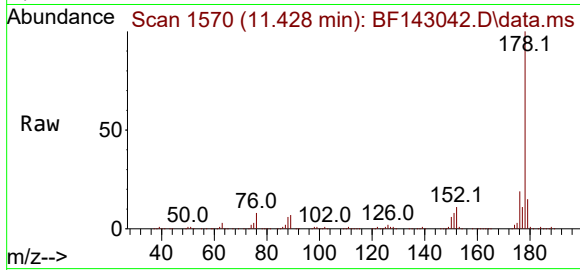




#71
Phenanthrene
Concen: 50.173 ng
RT: 11.428 min Scan# 1570
Delta R.T. -0.012 min
Lab File: BF143042.D
Acq: 08 Jul 2025 19:41

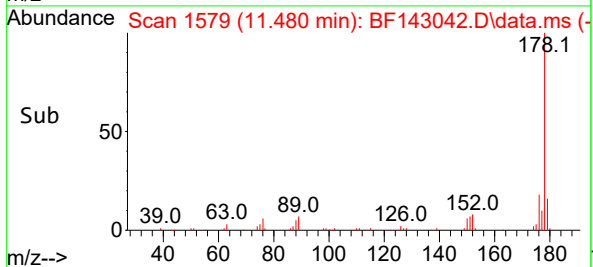
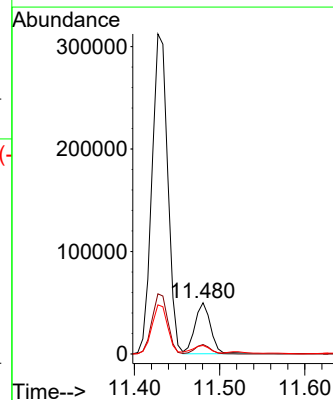
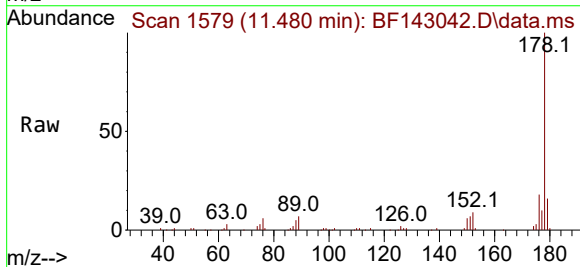
Instrument :
BNA_F
ClientSampleId :
TP-58DL

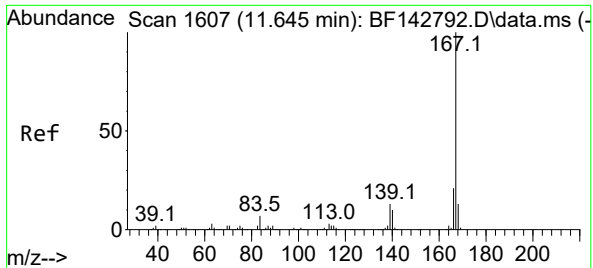
Tgt Ion:178 Resp: 402101
Ion Ratio Lower Upper
178 100
176 18.8 15.1 22.7
179 15.4 12.0 18.0



#72
Anthracene
Concen: 7.799 ng
RT: 11.480 min Scan# 1579
Delta R.T. -0.006 min
Lab File: BF143042.D
Acq: 08 Jul 2025 19:41

Tgt Ion:178 Resp: 64102
Ion Ratio Lower Upper
178 100
176 18.5 14.6 21.8
179 16.5 12.4 18.6

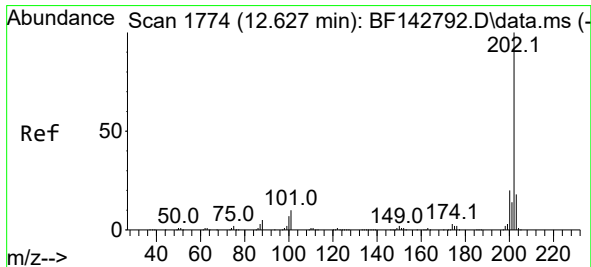
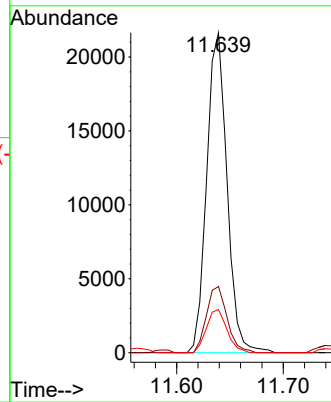
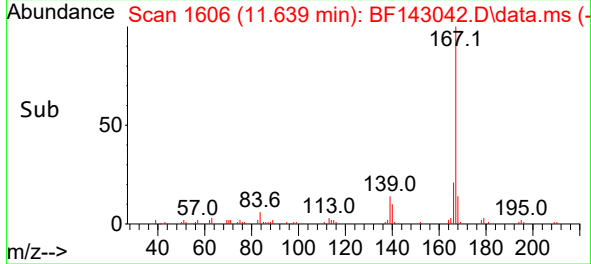
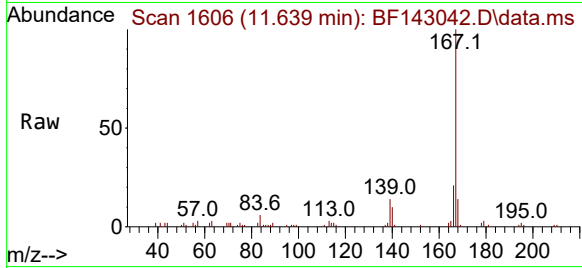




#73
Carbazole
Concen: 4.053 ng
RT: 11.639 min Scan# 1606
Delta R.T. -0.006 min
Lab File: BF143042.D
Acq: 08 Jul 2025 19:41

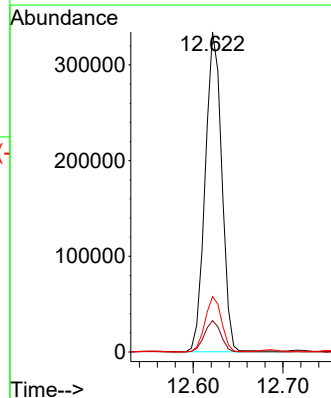
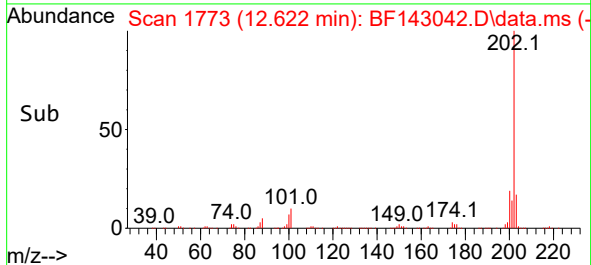
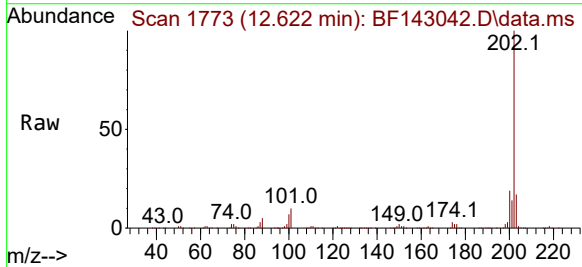
Instrument :
BNA_F
ClientSampleId :
TP-58DL

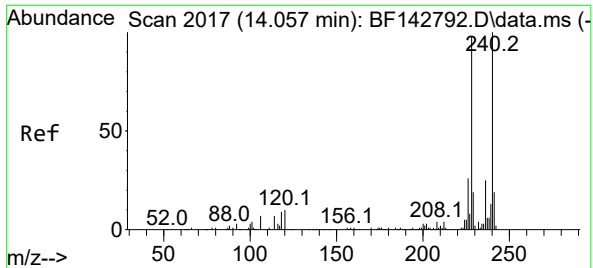
Tgt Ion:167 Resp: 28748
Ion Ratio Lower Upper
167 100
166 20.7 17.0 25.4
139 13.5 10.2 15.2



#75
Fluoranthene
Concen: 56.489 ng
RT: 12.622 min Scan# 1773
Delta R.T. -0.006 min
Lab File: BF143042.D
Acq: 08 Jul 2025 19:41

Tgt Ion:202 Resp: 429657
Ion Ratio Lower Upper
202 100
101 9.8 0.0 29.7
203 17.3 0.0 37.5

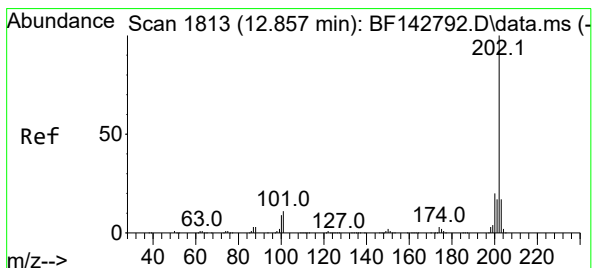
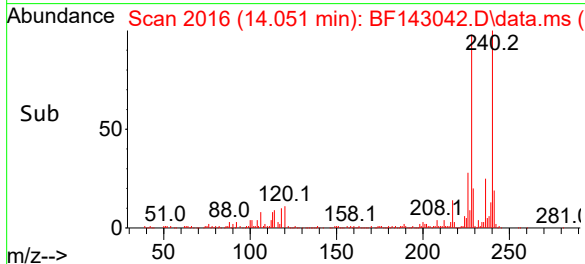
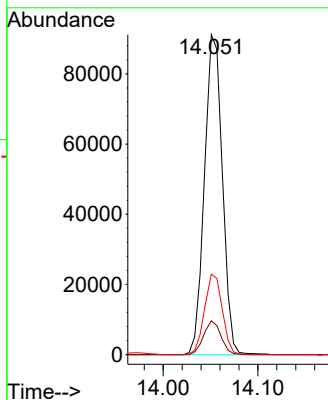
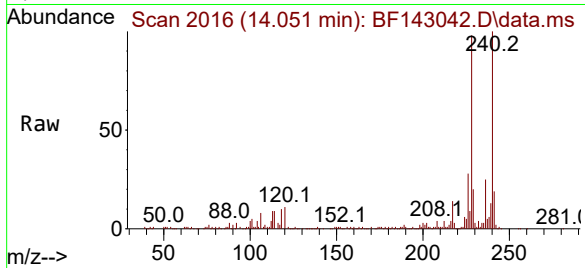




#76
Chrysene-d12
Concen: 20.000 ng
RT: 14.051 min Scan# 20
Delta R.T. -0.006 min
Lab File: BF143042.D
Acq: 08 Jul 2025 19:41

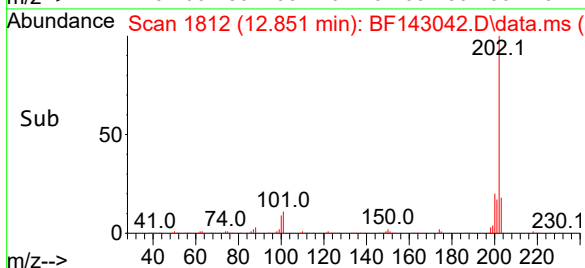
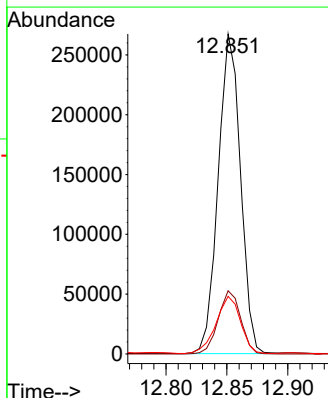
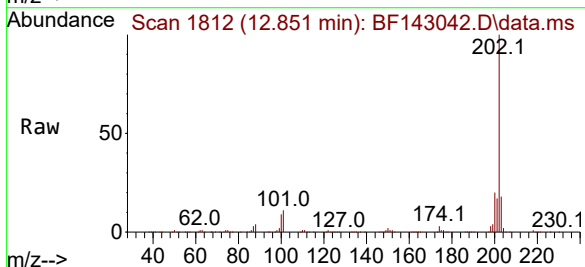
Instrument :
BNA_F
ClientSampleId :
TP-58DL

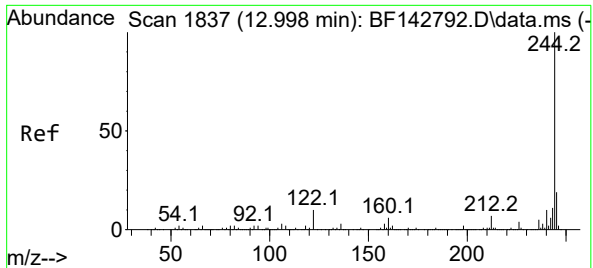
Tgt Ion:240 Resp: 119601
Ion Ratio Lower Upper
240 100
120 10.6 8.2 12.2
236 25.2 19.8 29.8



#78
Pyrene
Concen: 30.447 ng
RT: 12.851 min Scan# 1812
Delta R.T. -0.006 min
Lab File: BF143042.D
Acq: 08 Jul 2025 19:41

Tgt Ion:202 Resp: 341329
Ion Ratio Lower Upper
202 100
200 19.8 15.7 23.5
203 18.0 13.8 20.6





#79

Terphenyl-d14

Concen: 5.438 ng

RT: 12.986 min Scan# 1835

Delta R.T. -0.012 min

Lab File: BF143042.D

Acq: 08 Jul 2025 19:41

Instrument :

BNA_F

ClientSampleId :

TP-58DL

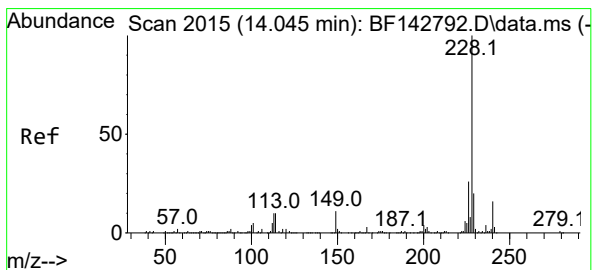
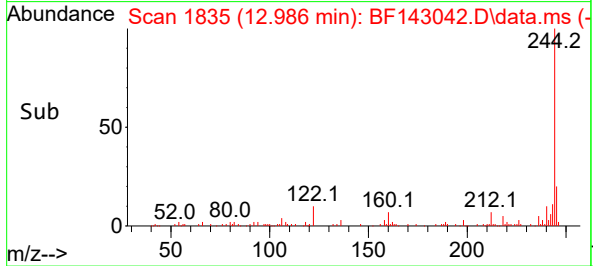
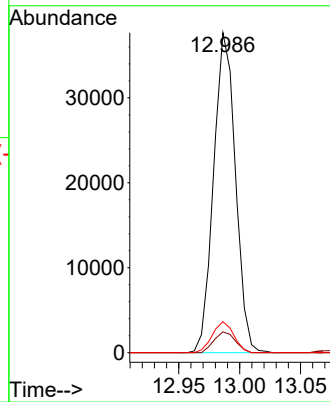
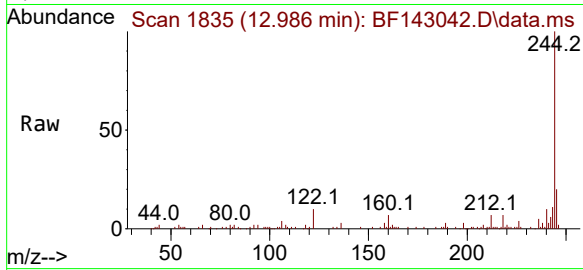
Tgt Ion:244 Resp: 47071

Ion Ratio Lower Upper

244 100

212 6.5 5.4 8.0

122 9.7 8.2 12.2



#81

Benzo(a)anthracene

Concen: 24.105 ng

RT: 14.045 min Scan# 2015

Delta R.T. 0.000 min

Lab File: BF143042.D

Acq: 08 Jul 2025 19:41

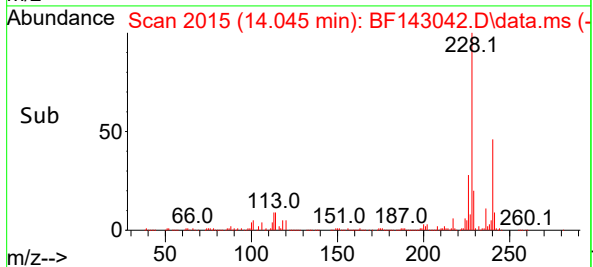
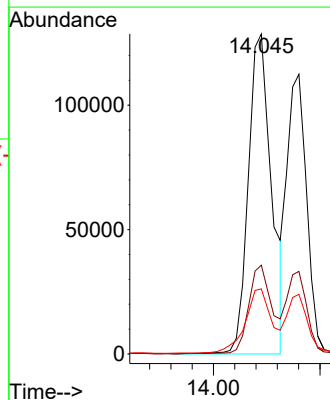
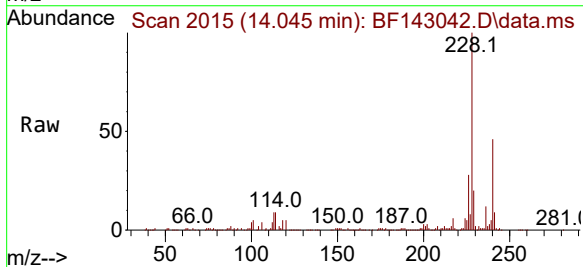
Tgt Ion:228 Resp: 194490

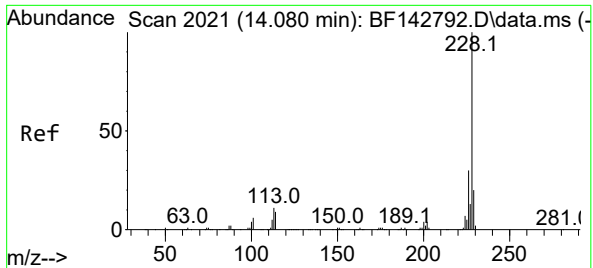
Ion Ratio Lower Upper

228 100

226 27.8 21.2 31.8

229 20.4 15.6 23.4

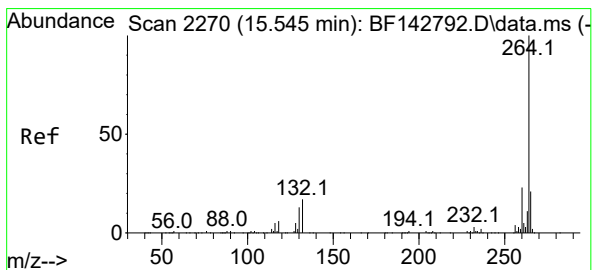
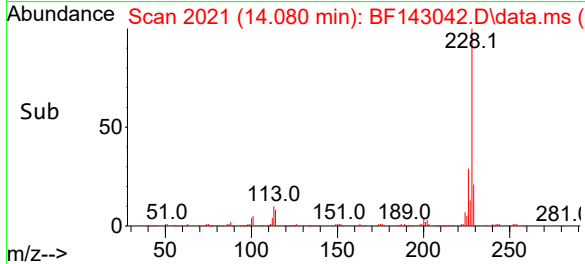
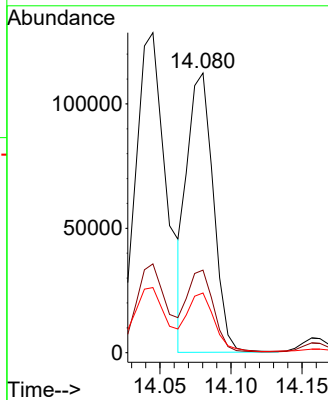
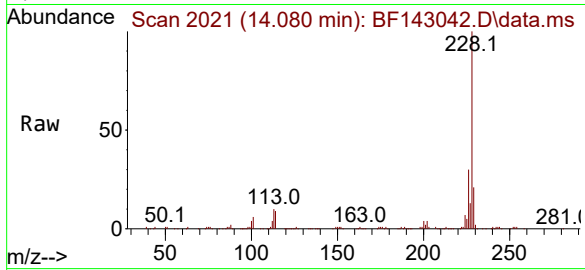




#83
Chrysene
Concen: 19.958 ng
RT: 14.080 min Scan# 2021
Delta R.T. 0.000 min
Lab File: BF143042.D
Acq: 08 Jul 2025 19:41

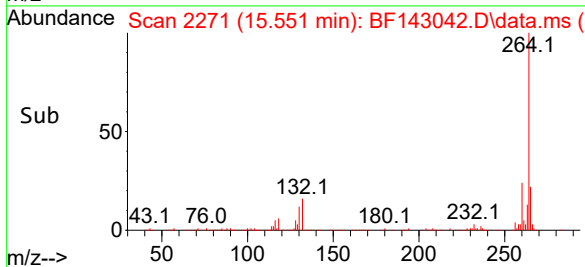
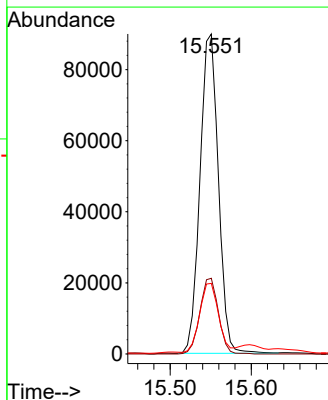
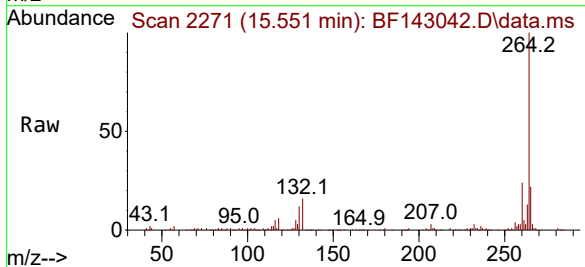
Instrument :
BNA_F
ClientSampleId :
TP-58DL

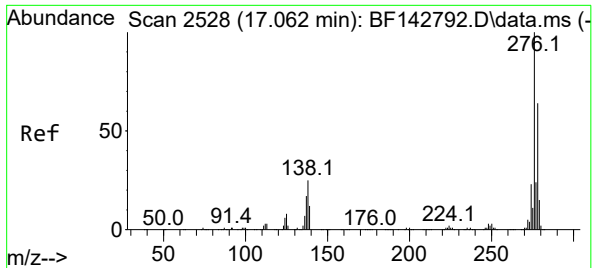
Tgt Ion:228 Resp: 143686
Ion Ratio Lower Upper
228 100
226 29.5 23.7 35.5
229 21.3 15.7 23.5



#86
Perylene-d12
Concen: 20.000 ng
RT: 15.551 min Scan# 2271
Delta R.T. 0.006 min
Lab File: BF143042.D
Acq: 08 Jul 2025 19:41

Tgt Ion:264 Resp: 141551
Ion Ratio Lower Upper
264 100
260 23.6 18.1 27.1
265 22.1 16.6 25.0

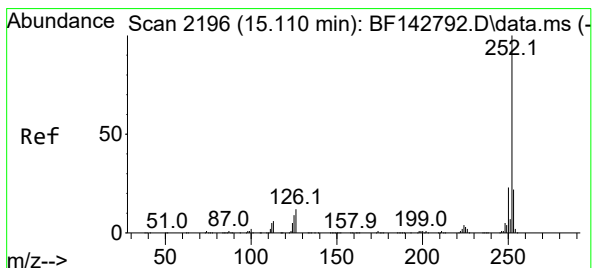
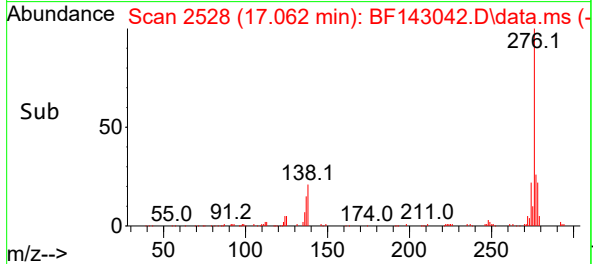
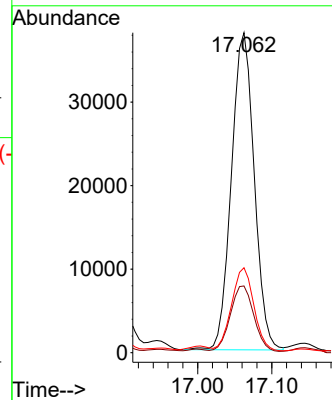
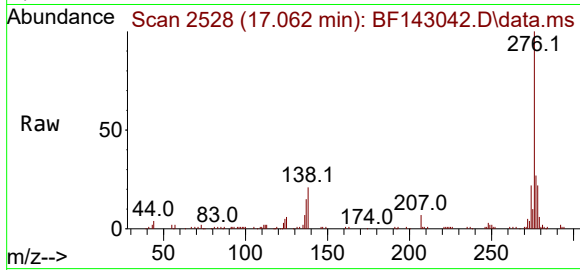




#87
Indeno(1,2,3-cd)pyrene
Concen: 7.540 ng
RT: 17.062 min Scan# 21
Delta R.T. 0.000 min
Lab File: BF143042.D
Acq: 08 Jul 2025 19:41

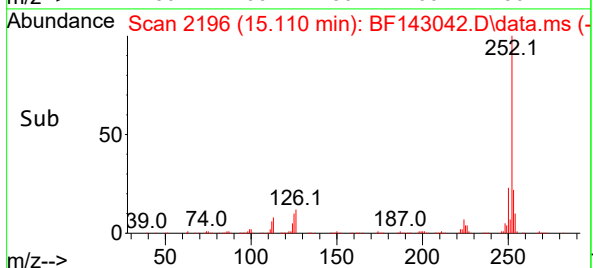
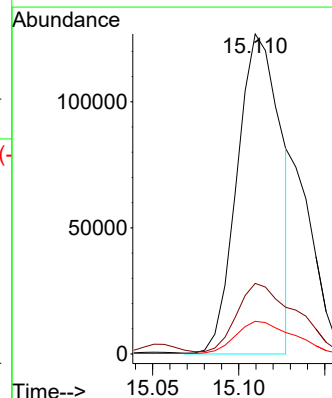
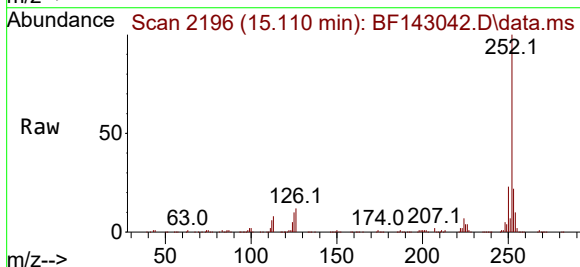
Instrument :
BNA_F
ClientSampleId :
TP-58DL

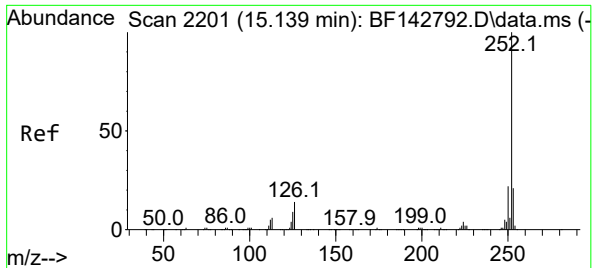
Tgt Ion:276 Resp: 81300
Ion Ratio Lower Upper
276 100
138 21.7 20.2 30.4
277 25.5 19.8 29.6



#88
Benzo(b)fluoranthene
Concen: 27.199 ng m
RT: 15.110 min Scan# 2196
Delta R.T. 0.000 min
Lab File: BF143042.D
Acq: 08 Jul 2025 19:41

Tgt Ion:252 Resp: 222779
Ion Ratio Lower Upper
252 100
253 22.1 17.5 26.3
125 10.2 7.4 11.0





#89

Benzo(k)fluoranthene

Concen: 9.287 ng m

RT: 15.127 min Scan# 21

Delta R.T. -0.012 min

Lab File: BF143042.D

Acq: 08 Jul 2025 19:41

Instrument :

BNA_F

ClientSampleId :

TP-58DL

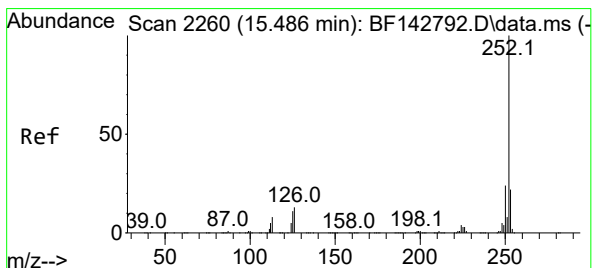
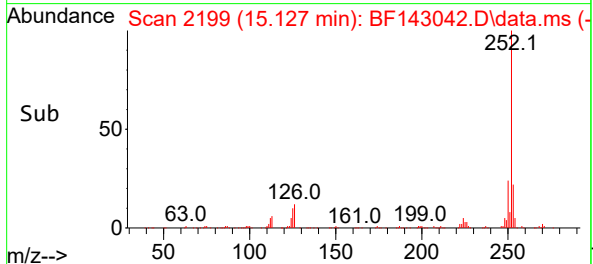
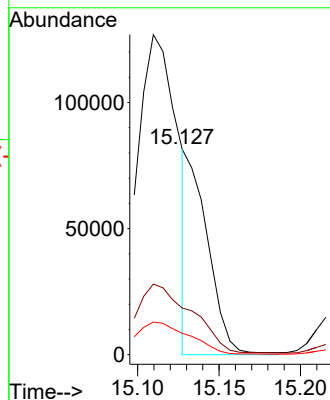
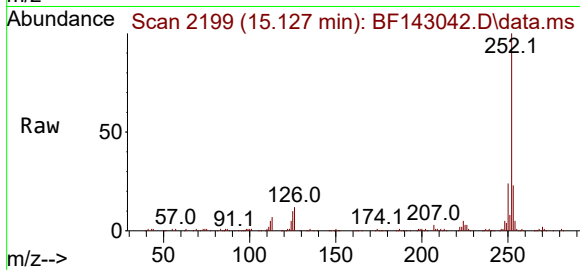
Tgt Ion:252 Resp: 71168

Ion Ratio Lower Upper

252 100

253 22.7 17.2 25.8

125 10.5 7.4 11.2



#90

Benzo(a)pyrene

Concen: 18.161 ng

RT: 15.486 min Scan# 2260

Delta R.T. 0.000 min

Lab File: BF143042.D

Acq: 08 Jul 2025 19:41

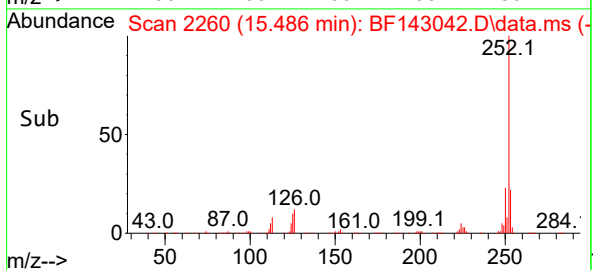
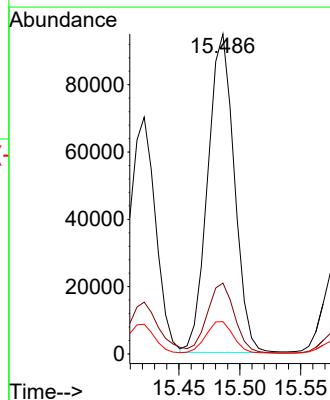
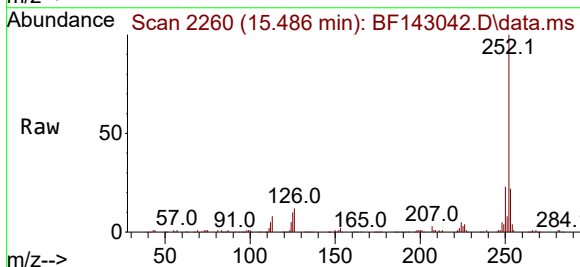
Tgt Ion:252 Resp: 143707

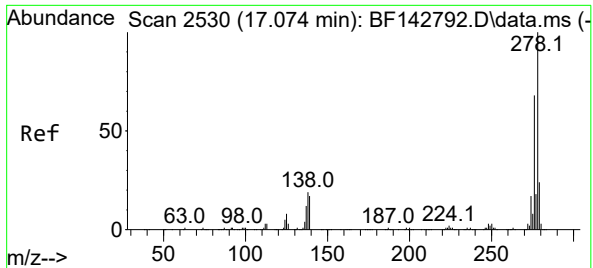
Ion Ratio Lower Upper

252 100

253 22.2 17.5 26.3

125 10.1 8.6 12.8

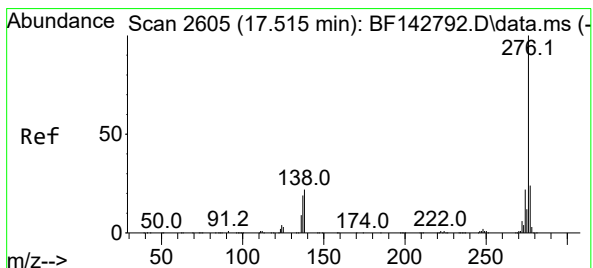
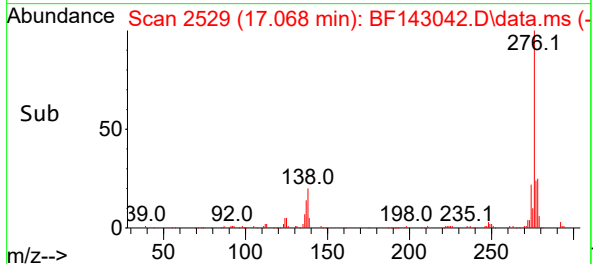
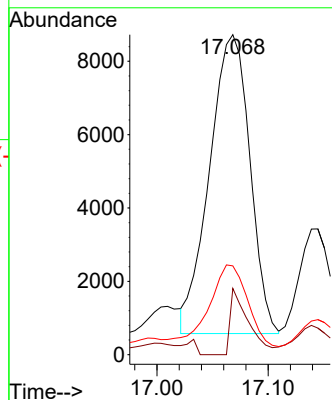
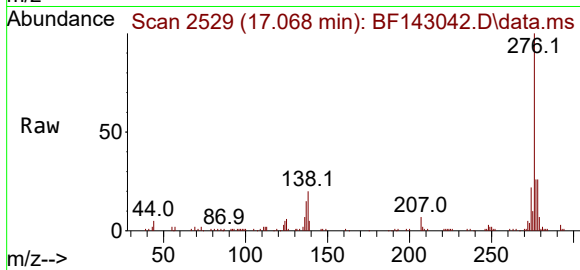




#91
Dibenzo(a,h)anthracene
Concen: 2.346 ng m
RT: 17.068 min Scan# 21
Delta R.T. -0.006 min
Lab File: BF143042.D
Acq: 08 Jul 2025 19:41

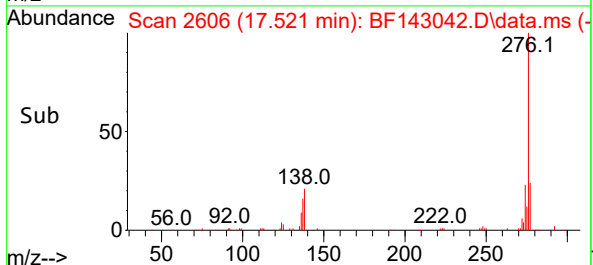
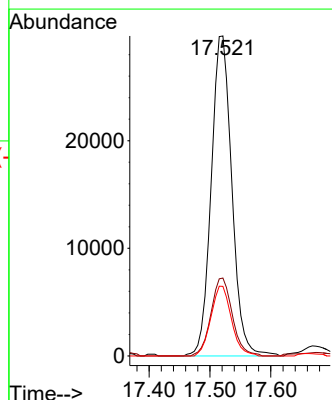
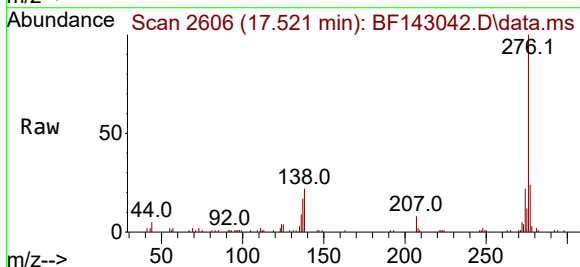
Instrument :
BNA_F
ClientSampleId :
TP-58DL

Tgt Ion:278 Resp: 20551
Ion Ratio Lower Upper
278 100
139 20.7 13.5 20.3#
279 27.8 18.8 28.2



#92
Benzo(g,h,i)perylene
Concen: 8.027 ng
RT: 17.521 min Scan# 2606
Delta R.T. 0.006 min
Lab File: BF143042.D
Acq: 08 Jul 2025 19:41

Tgt Ion:276 Resp: 70121
Ion Ratio Lower Upper
276 100
277 24.3 18.8 28.2
138 21.8 17.6 26.4



Report of Analysis

Client:	CDM Smith	Date Collected:	07/01/25
Project:	South River WM Replacement	Date Received:	07/01/25
Client Sample ID:	TP-57	SDG No.:	Q2484
Lab Sample ID:	Q2484-02	Matrix:	SOIL
Analytical Method:	8270E	% Solid:	86
Sample Wt/Vol:	30.04	Units:	g
Soil Aliquot Vol:			uL
Extraction Type :		Decanted :	N
Injection Volume :		GPC Factor :	1.0
Prep Method :	SW3541	Level :	LOW
		Test:	SVOC-TCL BNA -20
		Final Vol:	1000 uL
		GPC Cleanup :	N
		PH :	

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
BF142995.D	1	07/02/25 08:55	07/03/25 14:25	PB168694

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	25.7	U	25.7	200	ug/Kg
111-44-4	bis(2-Chloroethyl)ether	28.2	U	28.2	200	ug/Kg
95-57-8	2-Chlorophenol	28.3	U	28.3	200	ug/Kg
95-48-7	2-Methylphenol	34.7	U	34.7	200	ug/Kg
108-60-1	2,2-oxybis(1-Chloropropane)	43.5	U	43.5	200	ug/Kg
98-86-2	Acetophenone	34.3	U	34.3	200	ug/Kg
65794-96-9	3+4-Methylphenols	47.7	U	47.7	380	ug/Kg
621-64-7	n-Nitroso-di-n-propylamine	55.0	U	55.0	92.9	ug/Kg
67-72-1	Hexachloroethane	20.4	U	20.4	200	ug/Kg
98-95-3	Nitrobenzene	21.3	U	21.3	200	ug/Kg
78-59-1	Isophorone	38.1	U	38.1	200	ug/Kg
88-75-5	2-Nitrophenol	67.6	U	67.6	200	ug/Kg
105-67-9	2,4-Dimethylphenol	75.2	U	75.2	200	ug/Kg
111-91-1	bis(2-Chloroethoxy)methane	35.8	U	35.8	200	ug/Kg
120-83-2	2,4-Dichlorophenol	32.9	U	32.9	200	ug/Kg
91-20-3	Naphthalene	26.4	U	26.4	200	ug/Kg
106-47-8	4-Chloroaniline	41.1	U	41.1	200	ug/Kg
87-68-3	Hexachlorobutadiene	29.4	U	29.4	200	ug/Kg
105-60-2	Caprolactam	60.5	U	60.5	380	ug/Kg
59-50-7	4-Chloro-3-methylphenol	33.3	U	33.3	200	ug/Kg
91-57-6	2-Methylnaphthalene	29.7	U	29.7	200	ug/Kg
77-47-4	Hexachlorocyclopentadiene	130	U	130	380	ug/Kg
88-06-2	2,4,6-Trichlorophenol	23.0	U	23.0	200	ug/Kg
95-95-4	2,4,5-Trichlorophenol	33.8	U	33.8	200	ug/Kg
92-52-4	1,1-Biphenyl	25.3	U	25.3	200	ug/Kg
91-58-7	2-Chloronaphthalene	26.1	U	26.1	200	ug/Kg
88-74-4	2-Nitroaniline	55.9	U	55.9	200	ug/Kg
131-11-3	Dimethylphthalate	31.5	U	31.5	200	ug/Kg

Report of Analysis

Client:	CDM Smith	Date Collected:	07/01/25
Project:	South River WM Replacement	Date Received:	07/01/25
Client Sample ID:	TP-57	SDG No.:	Q2484
Lab Sample ID:	Q2484-02	Matrix:	SOIL
Analytical Method:	8270E	% Solid:	86
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
BF142995.D	1	07/02/25 08:55	07/03/25 14:25	PB168694

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units(Dry Weight)
208-96-8	Acenaphthylene	33.6	U	33.6	200	ug/Kg
606-20-2	2,6-Dinitrotoluene	39.0	U	39.0	200	ug/Kg
99-09-2	3-Nitroaniline	53.4	U	53.4	200	ug/Kg
83-32-9	Acenaphthene	24.7	U	24.7	200	ug/Kg
51-28-5	2,4-Dinitrophenol	270	U	270	380	ug/Kg
100-02-7	4-Nitrophenol	120	U	120	380	ug/Kg
132-64-9	Dibenzofuran	26.4	U	26.4	200	ug/Kg
121-14-2	2,4-Dinitrotoluene	58.2	U	58.2	200	ug/Kg
84-66-2	Diethylphthalate	32.9	U	32.9	200	ug/Kg
7005-72-3	4-Chlorophenyl-phenylether	31.0	U	31.0	200	ug/Kg
86-73-7	Fluorene	29.4	U	29.4	200	ug/Kg
100-01-6	4-Nitroaniline	74.6	U	74.6	200	ug/Kg
534-52-1	4,6-Dinitro-2-methylphenol	120	U	120	380	ug/Kg
86-30-6	n-Nitrosodiphenylamine	38.2	U	38.2	200	ug/Kg
101-55-3	4-Bromophenyl-phenylether	32.3	U	32.3	200	ug/Kg
118-74-1	Hexachlorobenzene	29.4	U	29.4	200	ug/Kg
1912-24-9	Atrazine	39.5	U	39.5	200	ug/Kg
87-86-5	Pentachlorophenol	59.6	U	59.6	380	ug/Kg
85-01-8	Phenanthrene	170	J	24.3	200	ug/Kg
120-12-7	Anthracene	38.7	U	38.7	200	ug/Kg
86-74-8	Carbazole	36.2	U	36.2	200	ug/Kg
84-74-2	Di-n-butylphthalate	55.6	U	55.6	200	ug/Kg
206-44-0	Fluoranthene	280		34.8	200	ug/Kg
129-00-0	Pyrene	240		41.8	200	ug/Kg
85-68-7	Butylbenzylphthalate	82.9	UQ	82.9	200	ug/Kg
91-94-1	3,3-Dichlorobenzidine	42.6	U	42.6	380	ug/Kg
56-55-3	Benzo(a)anthracene	130	J	26.7	200	ug/Kg
218-01-9	Chrysene	120	J	23.1	200	ug/Kg
117-81-7	Bis(2-ethylhexyl)phthalate	68.7	U	68.7	200	ug/Kg
117-84-0	Di-n-octyl phthalate	100	U	100	380	ug/Kg
205-99-2	Benzo(b)fluoranthene	140	J	22.1	200	ug/Kg

Report of Analysis

Client:	CDM Smith	Date Collected:	07/01/25
Project:	South River WM Replacement	Date Received:	07/01/25
Client Sample ID:	TP-57	SDG No.:	Q2484
Lab Sample ID:	Q2484-02	Matrix:	SOIL
Analytical Method:	8270E	% Solid:	86
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
BF142995.D	1	07/02/25 08:55	07/03/25 14:25	PB168694

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units(Dry Weight)
207-08-9	Benzo(k)fluoranthene	26.0	U	26.0	200	ug/Kg
50-32-8	Benzo(a)pyrene	130	J	34.3	200	ug/Kg
193-39-5	Indeno(1,2,3-cd)pyrene	33.8	U	33.8	200	ug/Kg
53-70-3	Dibenzo(a,h)anthracene	31.8	U	31.8	200	ug/Kg
191-24-2	Benzo(g,h,i)perylene	29.8	U	29.8	200	ug/Kg
95-94-3	1,2,4,5-Tetrachlorobenzene	29.7	U	29.7	200	ug/Kg
123-91-1	1,4-Dioxane	52.5	U	52.5	200	ug/Kg
58-90-2	2,3,4,6-Tetrachlorophenol	31.8	U	31.8	200	ug/Kg
SURROGATES						
367-12-4	2-Fluorophenol	64.1		18 - 112	43%	SPK: 150
13127-88-3	Phenol-d6	64.3		15 - 107	43%	SPK: 150
4165-60-0	Nitrobenzene-d5	39.5		18 - 107	40%	SPK: 100
321-60-8	2-Fluorobiphenyl	36.5		20 - 109	37%	SPK: 100
118-79-6	2,4,6-Tribromophenol	63.6		10 - 116	42%	SPK: 150
1718-51-0	Terphenyl-d14	36.8		10 - 105	37%	SPK: 100
INTERNAL STANDARDS						
3855-82-1	1,4-Dichlorobenzene-d4	70800	6.875			
1146-65-2	Naphthalene-d8	272000	8.157			
15067-26-2	Acenaphthene-d10	145000	9.916			
1517-22-2	Phenanthrene-d10	247000	11.404			
1719-03-5	Chrysene-d12	137000	14.051			
1520-96-3	Perylene-d12	172000	15.545			
TENTATIVE IDENTIFIED COMPOUNDS						
000123-42-2	2-Pentanone, 4-hydroxy-4-methyl-	180	AB		5.09	ug/Kg
000119-61-9	Benzophenone	320	J		10.6	ug/Kg
000057-10-3	n-Hexadecanoic acid	80.9	J		11.9	ug/Kg
000192-97-2	Benzo[e]pyrene	86.3	J		15.4	ug/Kg

Report of Analysis

Client:	CDM Smith	Date Collected:	07/01/25
Project:	South River WM Replacement	Date Received:	07/01/25
Client Sample ID:	TP-57	SDG No.:	Q2484
Lab Sample ID:	Q2484-02	Matrix:	SOIL
Analytical Method:	8270E	% Solid:	86
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
BF142995.D	1	07/02/25 08:55	07/03/25 14:25	PB168694

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\BF070325\
 Data File : BF142995.D
 Acq On : 03 Jul 2025 14:25
 Operator : RC/JU
 Sample : Q2484-02
 Misc :
 ALS Vial : 10 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 TP-57

Quant Time: Jul 03 15:46:35 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)

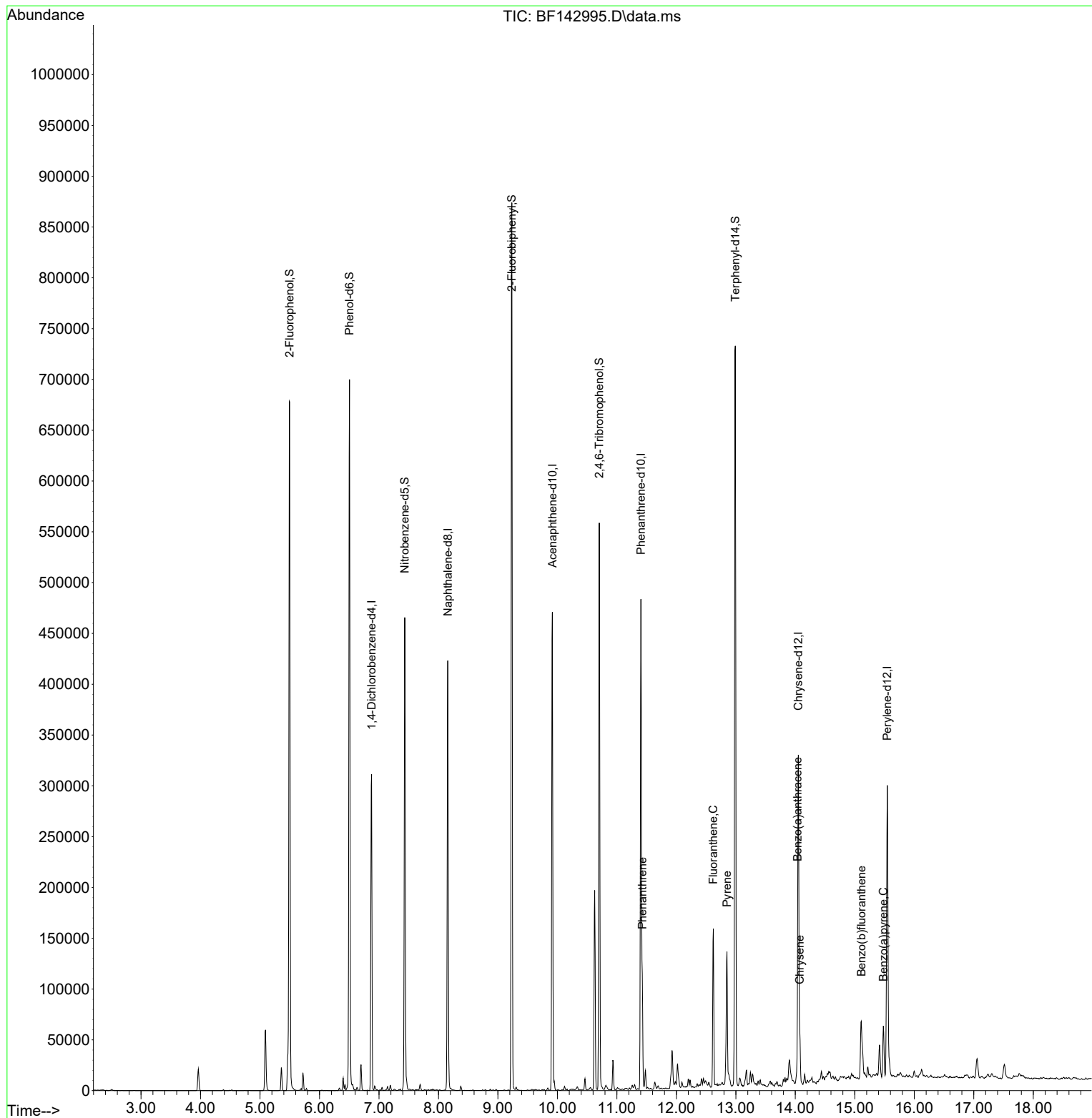
Internal Standards						
1) 1,4-Dichlorobenzene-d4	6.875	152	70834	20.000	ng	0.00
21) Naphthalene-d8	8.157	136	271831	20.000	ng	-0.01
39) Acenaphthene-d10	9.916	164	145167	20.000	ng	0.00
64) Phenanthrene-d10	11.404	188	247026	20.000	ng	0.00
76) Chrysene-d12	14.051	240	137001	20.000	ng	0.00
86) Perylene-d12	15.545	264	171675	20.000	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.498	112	272889	64.141	ng	0.00
7) Phenol-d6	6.504	99	322581	64.266	ng	0.00
23) Nitrobenzene-d5	7.434	82	195766	39.502	ng	-0.01
42) 2,4,6-Tribromophenol	10.704	330	94986	63.584	ng	-0.01
45) 2-Fluorobiphenyl	9.233	172	403602	36.524	ng	-0.01
79) Terphenyl-d14	12.992	244	364408	36.752	ng	0.00
Target Compounds						Qvalue
71) Phenanthrene	11.427	178	58243	4.353	ng	99
75) Fluoranthene	12.621	202	91019	7.167	ng	100
78) Pyrene	12.851	202	80260	6.250	ng	99
81) Benzo(a)anthracene	14.039	228	30605	3.311	ng	96
83) Chrysene	14.074	228	26530	3.217	ng	96
88) Benzo(b)fluoranthene	15.110	252	36645m	3.689	ng	
90) Benzo(a)pyrene	15.480	252	31121	3.243	ng	97

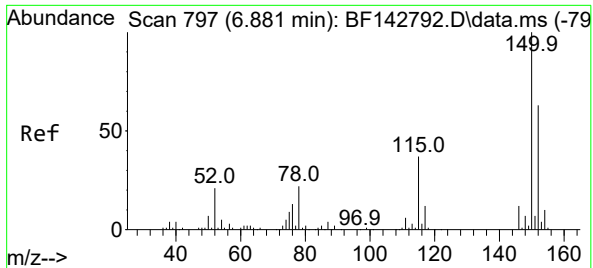
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF070325\
Data File : BF142995.D
Acq On : 03 Jul 2025 14:25
Operator : RC/JU
Sample : Q2484-02
Misc :
ALS Vial : 10 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
TP-57

Quant Time: Jul 03 15:46:35 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

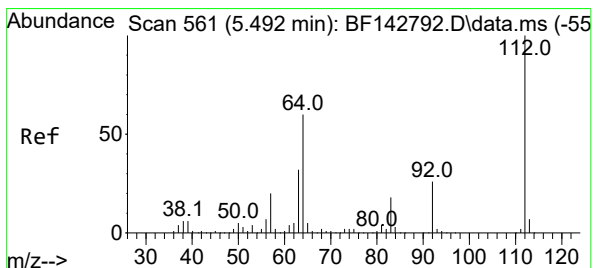
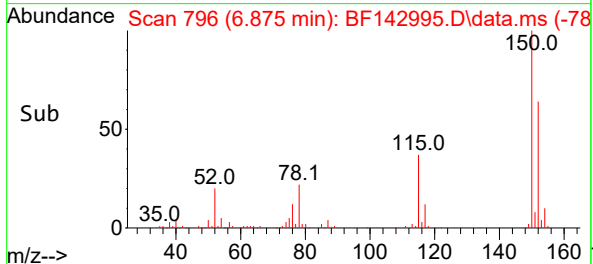
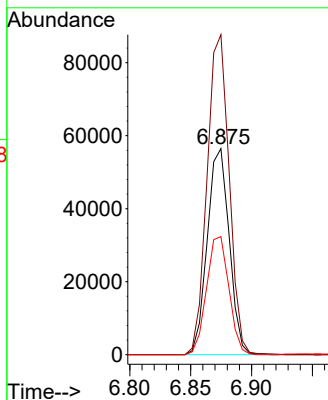
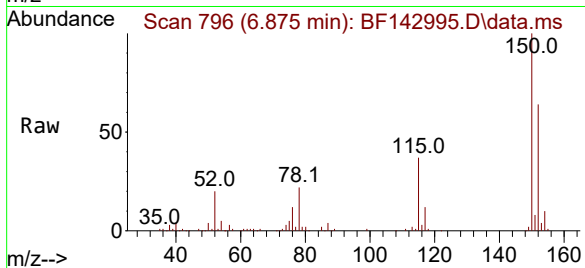




#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.875 min Scan# 79
Delta R.T. -0.006 min
Lab File: BF142995.D
Acq: 03 Jul 2025 14:25

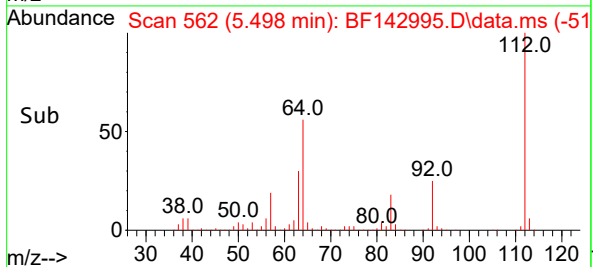
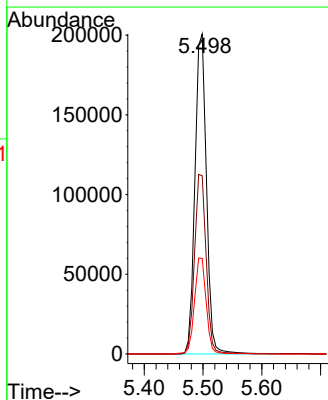
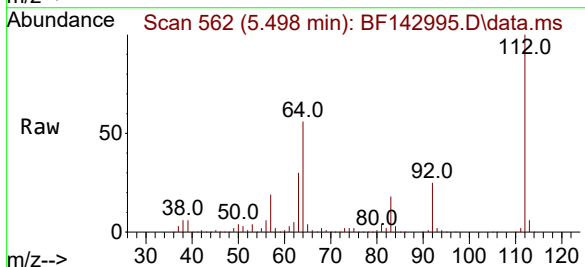
Instrument :
BNA_F
ClientSampleId :
TP-57

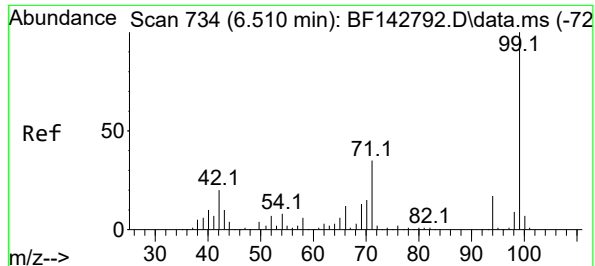
Tgt Ion:152 Resp: 70834
Ion Ratio Lower Upper
152 100
150 155.3 127.2 190.8
115 57.3 46.6 69.8



#5
2-Fluorophenol
Concen: 64.141 ng
RT: 5.498 min Scan# 562
Delta R.T. 0.006 min
Lab File: BF142995.D
Acq: 03 Jul 2025 14:25

Tgt Ion:112 Resp: 272889
Ion Ratio Lower Upper
112 100
64 55.7 48.2 72.2
63 29.9 25.7 38.5

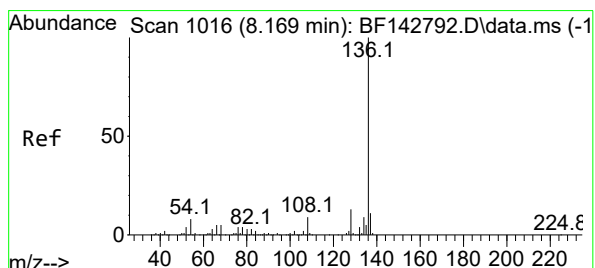
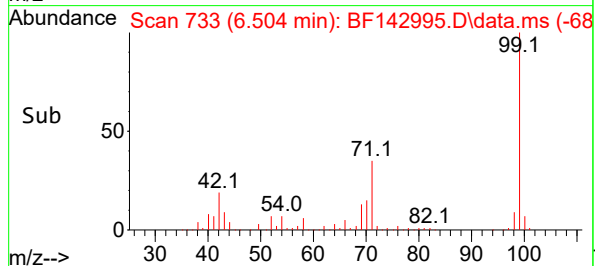
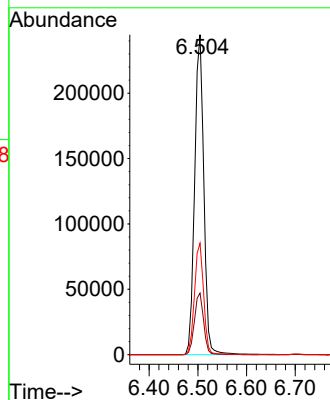
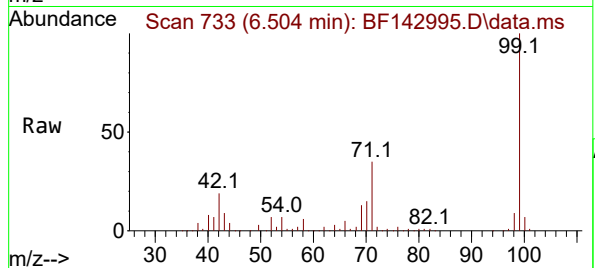




#7
Phenol-d6
Concen: 64.266 ng
RT: 6.504 min Scan# 71
Delta R.T. -0.006 min
Lab File: BF142995.D
Acq: 03 Jul 2025 14:25

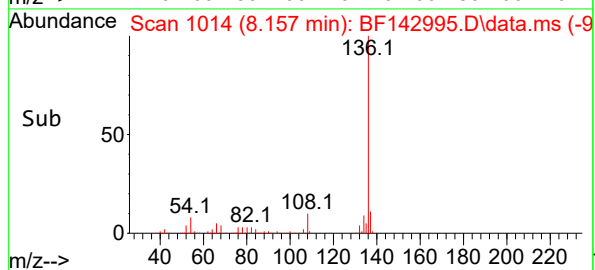
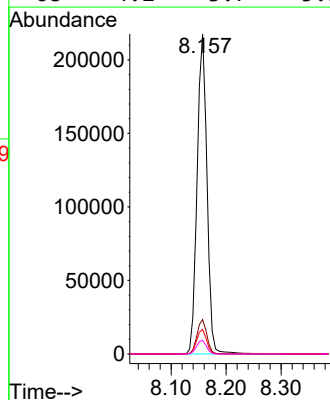
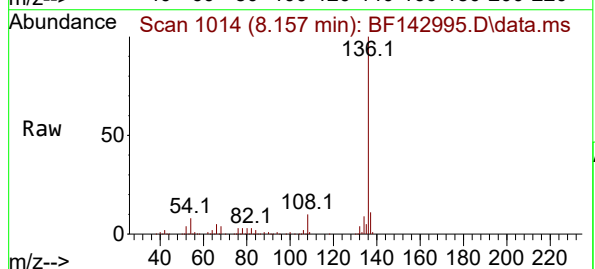
Instrument :
BNA_F
ClientSampleId :
TP-57

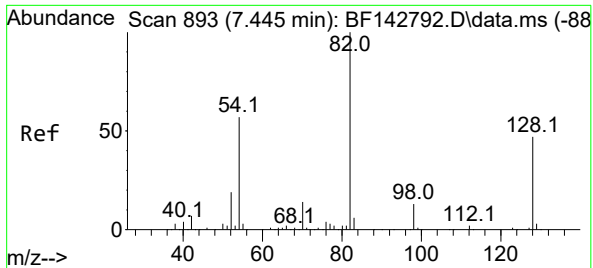
Tgt Ion: 99 Resp: 322581
Ion Ratio Lower Upper
99 100
42 19.3 15.9 23.9
71 34.8 27.8 41.8



#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.157 min Scan# 1014
Delta R.T. -0.012 min
Lab File: BF142995.D
Acq: 03 Jul 2025 14:25

Tgt Ion: 136 Resp: 271831
Ion Ratio Lower Upper
136 100
137 10.8 8.4 12.6
54 7.6 6.3 9.5
68 4.2 3.7 5.5





#23

Nitrobenzene-d5

Concen: 39.502 ng

RT: 7.434 min Scan# 89

Delta R.T. -0.011 min

Lab File: BF142995.D

Acq: 03 Jul 2025 14:25

Instrument :

BNA_F

ClientSampleId :

TP-57

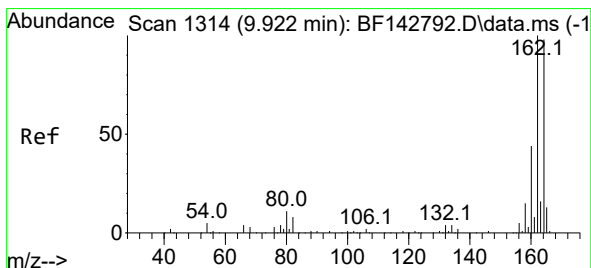
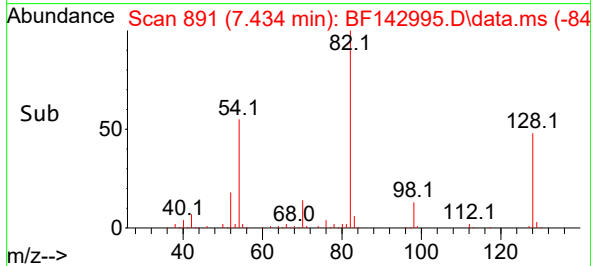
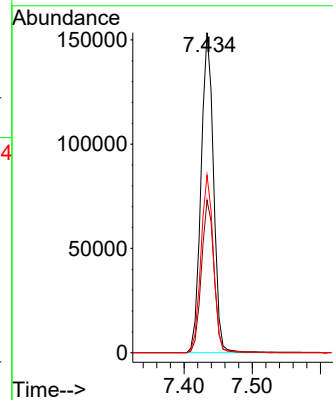
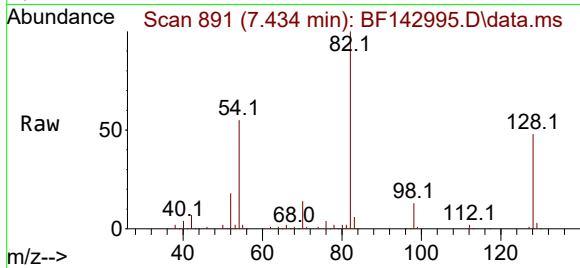
Tgt Ion: 82 Resp: 195766

Ion Ratio Lower Upper

82 100

128 47.6 37.7 56.5

54 55.4 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: BF142995.D

Acq: 03 Jul 2025 14:25

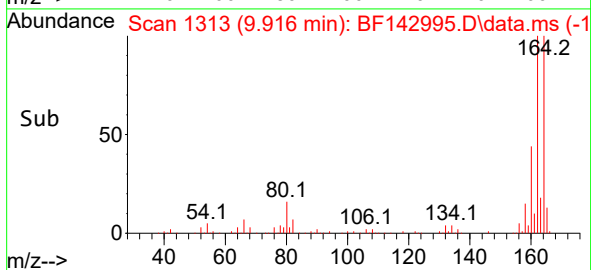
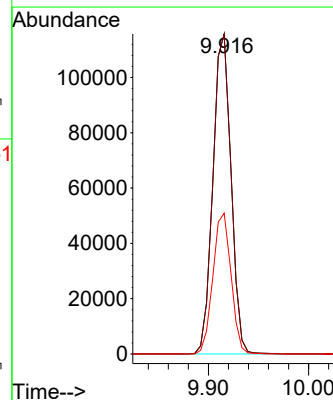
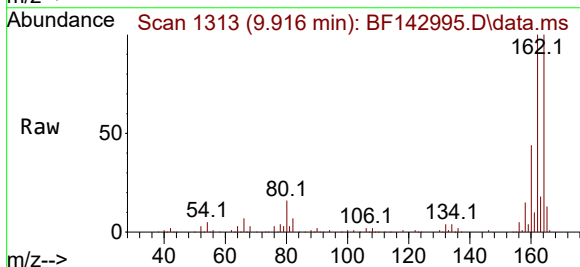
Tgt Ion:164 Resp: 145167

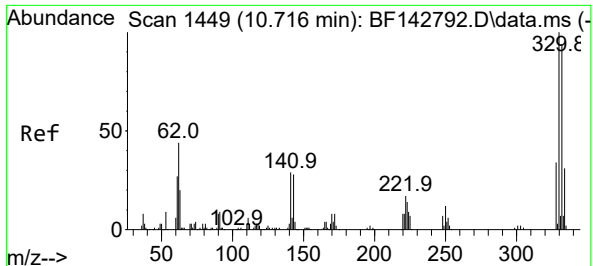
Ion Ratio Lower Upper

164 100

162 99.8 81.8 122.8

160 44.0 36.0 54.0





#42

2,4,6-Tribromophenol

Concen: 63.584 ng

RT: 10.704 min Scan# 1447

Delta R.T. -0.012 min

Lab File: BF142995.D

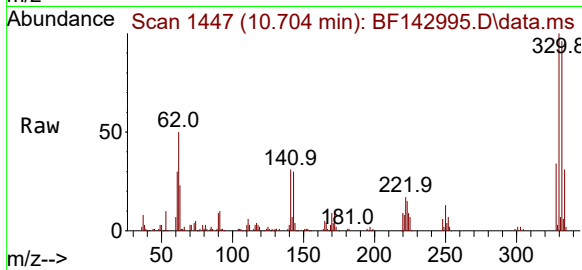
Acq: 03 Jul 2025 14:25

Instrument :

BNA_F

ClientSampleId :

TP-57



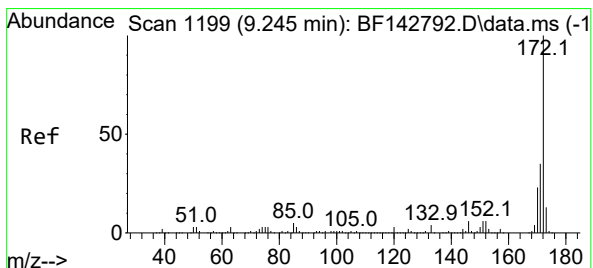
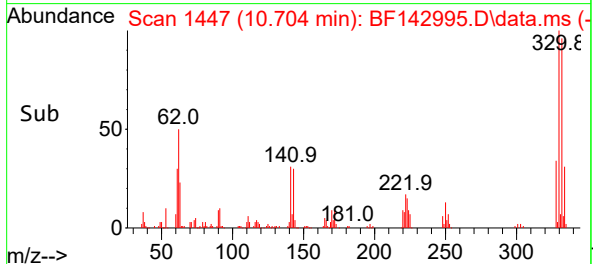
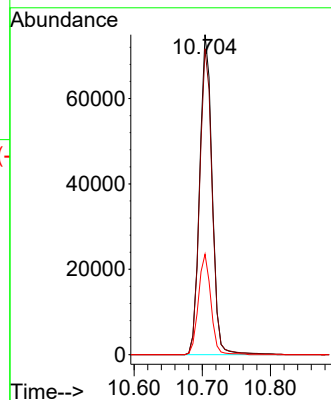
Tgt Ion:330 Resp: 94986

Ion Ratio Lower Upper

330 100

332 96.4 75.0 112.6

141 31.3 25.3 37.9



#45

2-Fluorobiphenyl

Concen: 36.524 ng

RT: 9.233 min Scan# 1197

Delta R.T. -0.012 min

Lab File: BF142995.D

Acq: 03 Jul 2025 14:25

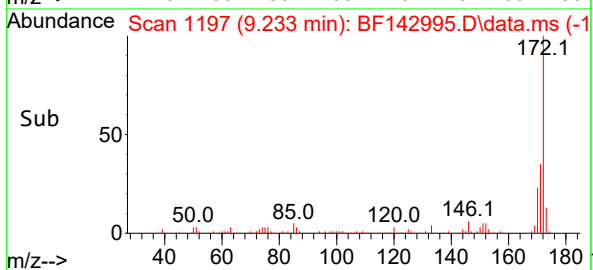
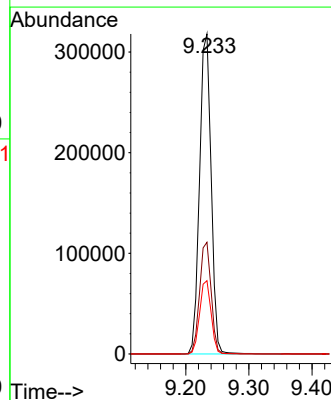
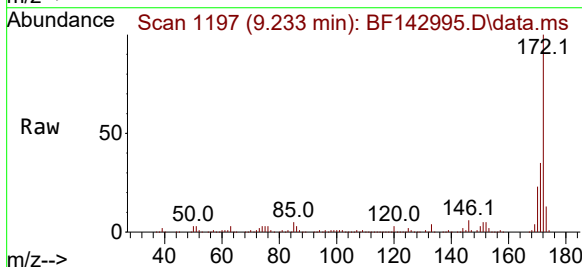
Tgt Ion:172 Resp: 403602

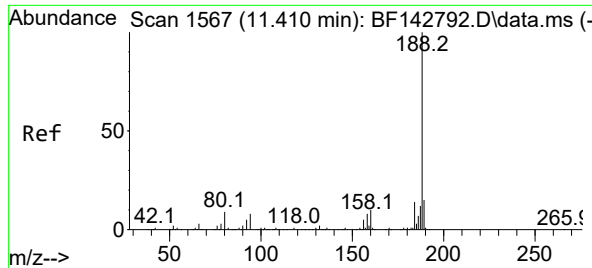
Ion Ratio Lower Upper

172 100

171 34.9 28.2 42.4

170 22.9 18.5 27.7





#64

Phenanthrene-d10

Concen: 20.000 ng

RT: 11.404 min Scan# 11

Delta R.T. -0.006 min

Lab File: BF142995.D

Acq: 03 Jul 2025 14:25

Instrument :

BNA_F

ClientSampleId :

TP-57

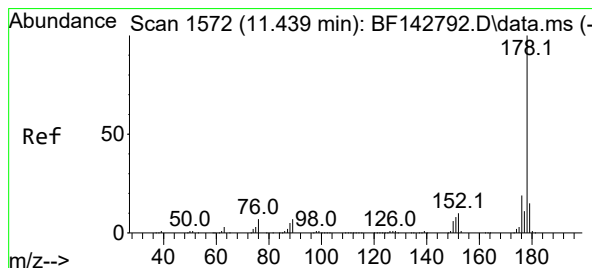
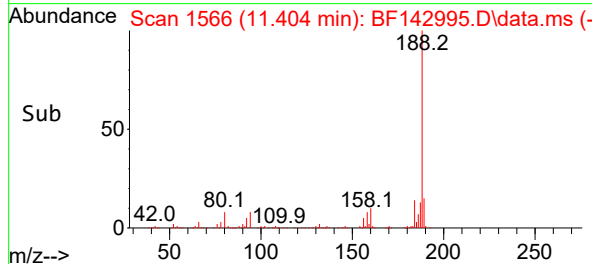
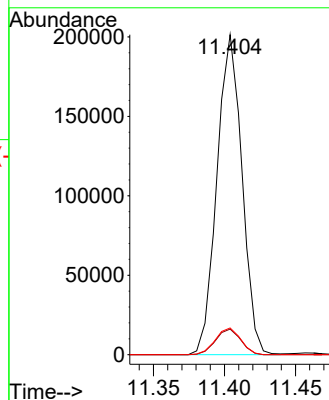
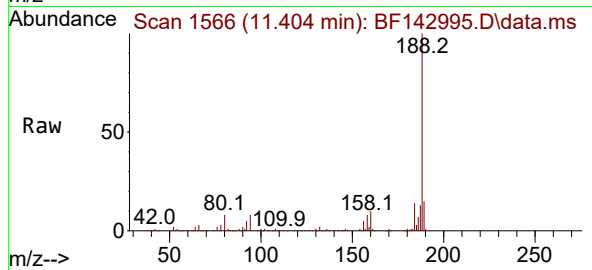
Tgt Ion:188 Resp: 247026

Ion Ratio Lower Upper

188 100

94 8.0 6.7 10.1

80 8.4 6.9 10.3



#71

Phenanthrene

Concen: 4.353 ng

RT: 11.427 min Scan# 1570

Delta R.T. -0.012 min

Lab File: BF142995.D

Acq: 03 Jul 2025 14:25

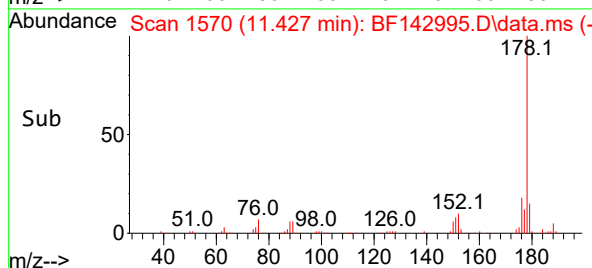
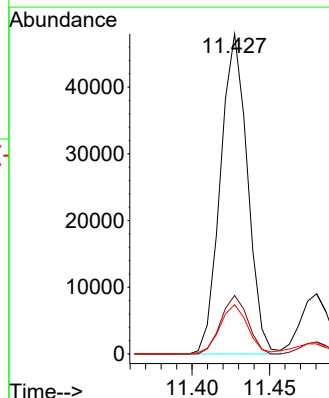
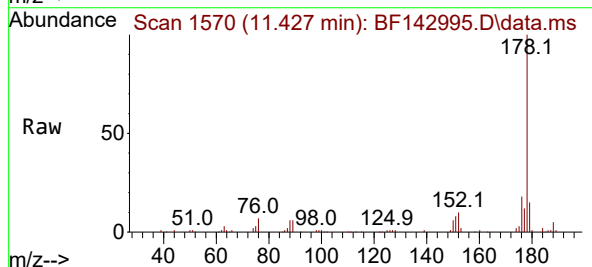
Tgt Ion:178 Resp: 58243

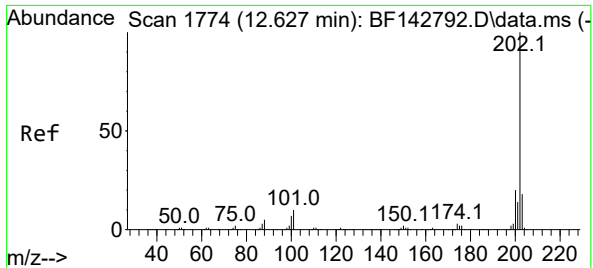
Ion Ratio Lower Upper

178 100

176 18.3 15.1 22.7

179 15.4 12.0 18.0





#75

Fluoranthene

Concen: 7.167 ng

RT: 12.621 min Scan# 1

Delta R.T. -0.006 min

Lab File: BF142995.D

Acq: 03 Jul 2025 14:25

Instrument :

BNA_F

ClientSampleId :

TP-57

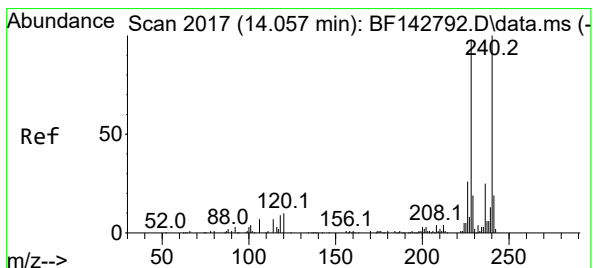
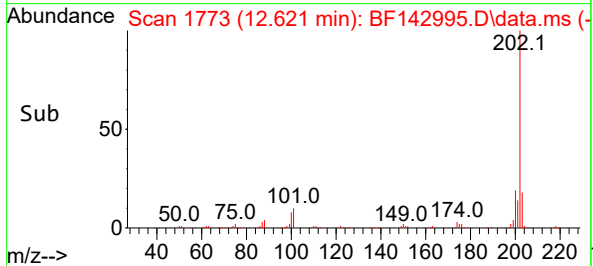
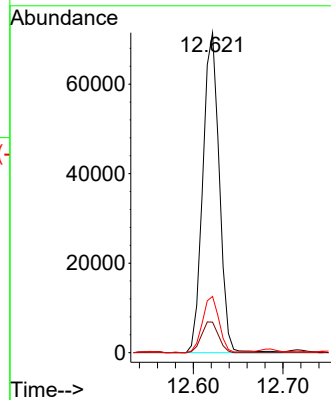
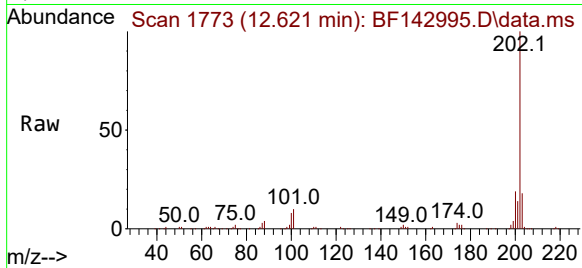
Tgt Ion:202 Resp: 91019

Ion Ratio Lower Upper

202 100

101 9.6 0.0 29.7

203 17.6 0.0 37.5



#76

Chrysene-d12

Concen: 20.000 ng

RT: 14.051 min Scan# 2016

Delta R.T. -0.006 min

Lab File: BF142995.D

Acq: 03 Jul 2025 14:25

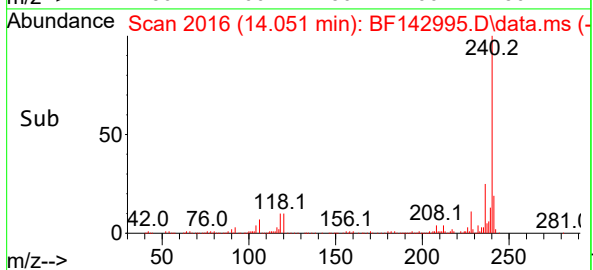
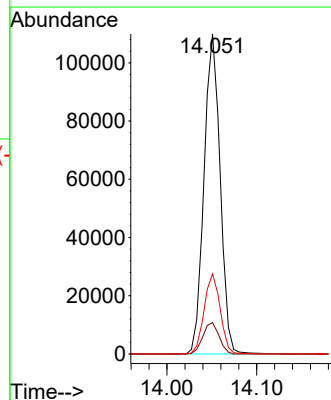
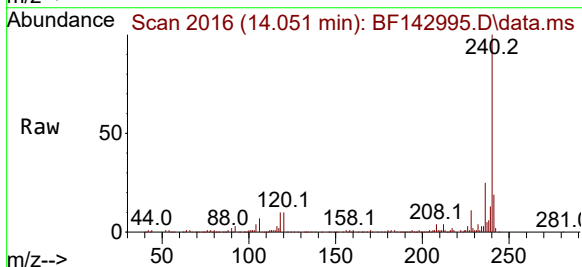
Tgt Ion:240 Resp: 137001

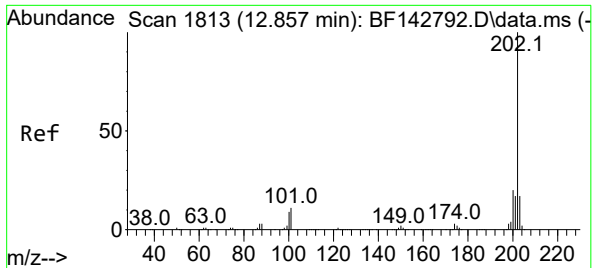
Ion Ratio Lower Upper

240 100

120 9.8 8.2 12.2

236 25.0 19.8 29.8





#78

Pyrene

Concen: 6.250 ng

RT: 12.851 min Scan# 1812

Delta R.T. -0.006 min

Lab File: BF142995.D

Acq: 03 Jul 2025 14:25

Instrument :

BNA_F

ClientSampleId :

TP-57

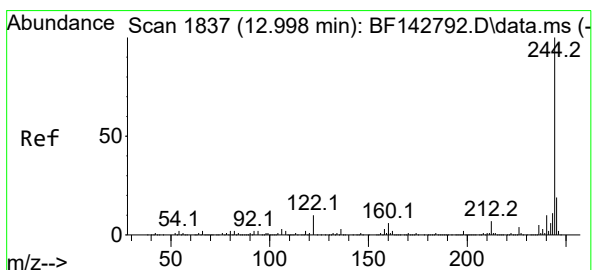
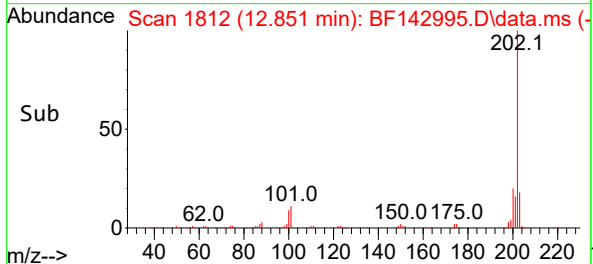
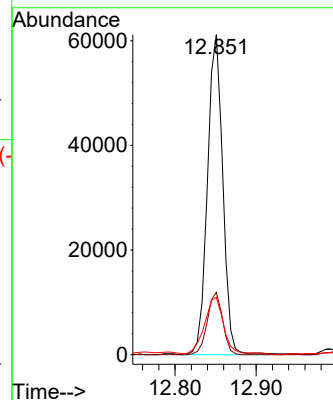
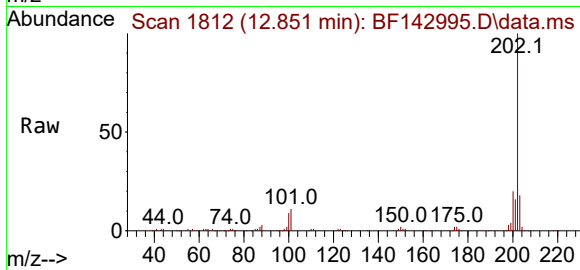
Tgt Ion:202 Resp: 80260

Ion Ratio Lower Upper

202 100

200 19.5 15.7 23.5

203 17.9 13.8 20.6



#79

Terphenyl-d14

Concen: 36.752 ng

RT: 12.992 min Scan# 1836

Delta R.T. -0.006 min

Lab File: BF142995.D

Acq: 03 Jul 2025 14:25

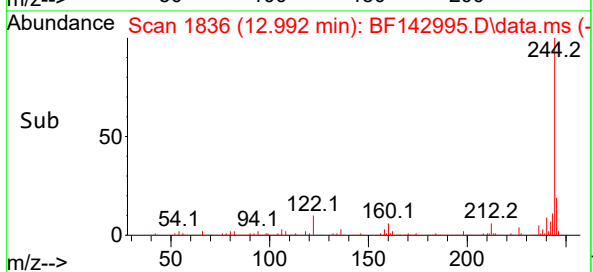
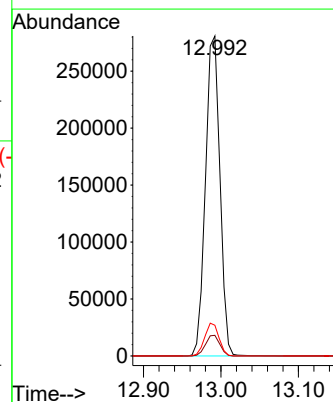
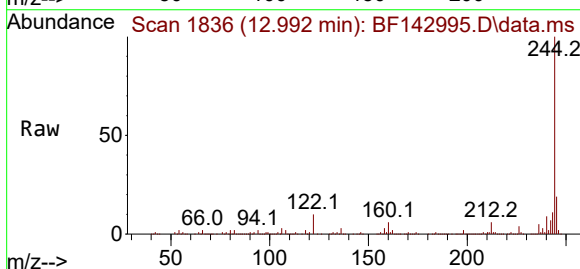
Tgt Ion:244 Resp: 364408

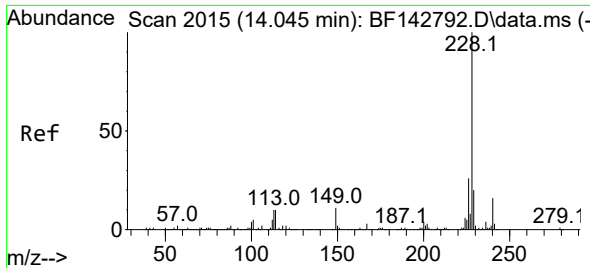
Ion Ratio Lower Upper

244 100

212 6.5 5.4 8.0

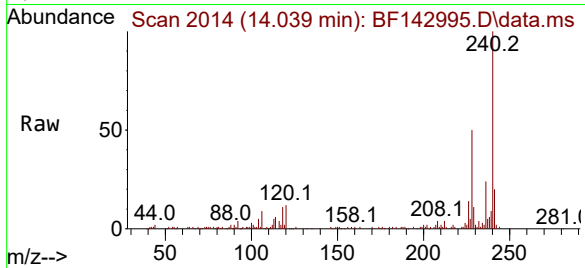
122 9.6 8.2 12.2



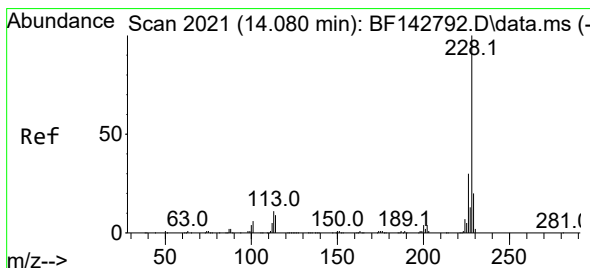
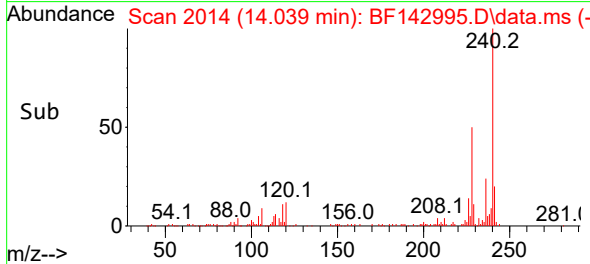
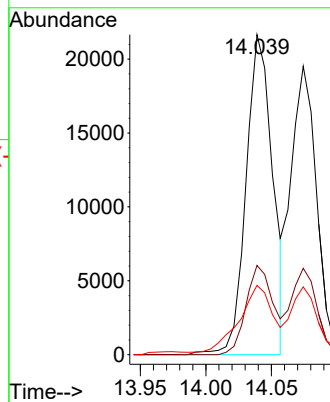


#81
Benzo(a)anthracene
Concen: 3.311 ng
RT: 14.039 min Scan# 2014
Delta R.T. -0.006 min
Lab File: BF142995.D
Acq: 03 Jul 2025 14:25

Instrument :
BNA_F
ClientSampleId :
TP-57

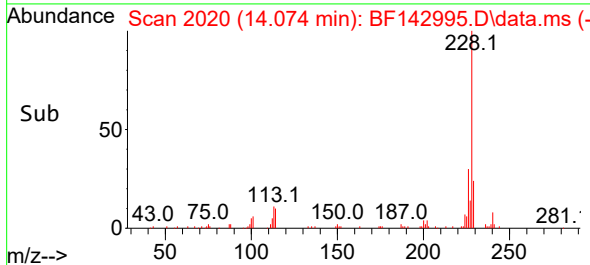
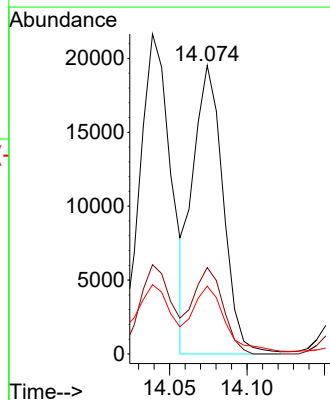
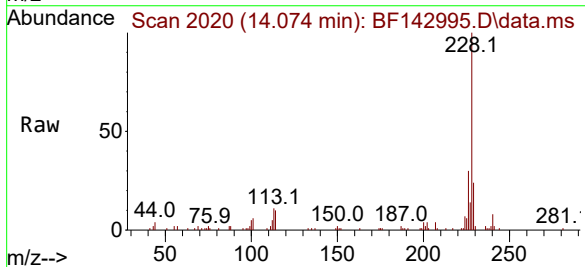


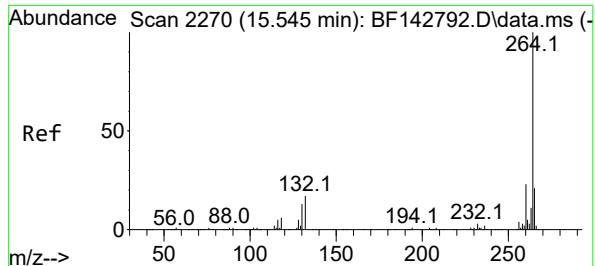
Tgt Ion:228 Resp: 30605
Ion Ratio Lower Upper
228 100
226 27.9 21.2 31.8
229 21.7 15.6 23.4



#83
Chrysene
Concen: 3.217 ng
RT: 14.074 min Scan# 2020
Delta R.T. -0.006 min
Lab File: BF142995.D
Acq: 03 Jul 2025 14:25

Tgt Ion:228 Resp: 26530
Ion Ratio Lower Upper
228 100
226 30.0 23.7 35.5
229 23.5 15.7 23.5





#86

Perylene-d12

Concen: 20.000 ng

RT: 15.545 min Scan# 21

Delta R.T. 0.000 min

Lab File: BF142995.D

Acq: 03 Jul 2025 14:25

Instrument :

BNA_F

ClientSampleId :

TP-57

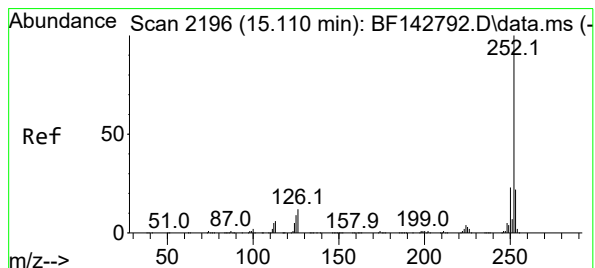
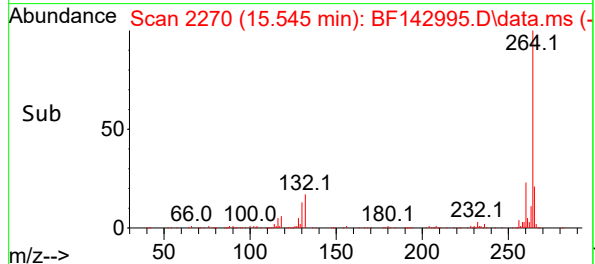
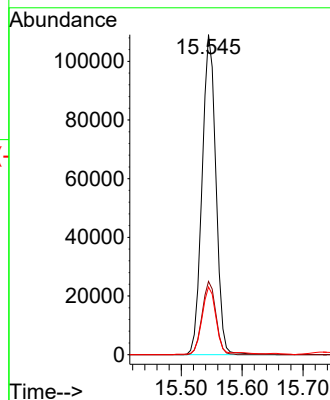
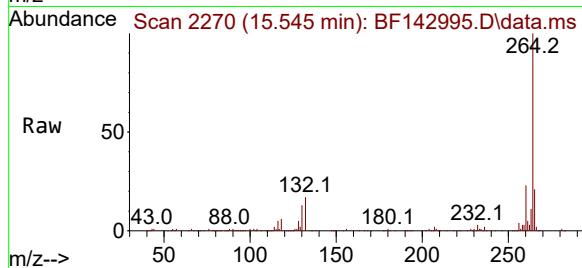
Tgt Ion:264 Resp: 171675

Ion Ratio Lower Upper

264 100

260 22.9 18.1 27.1

265 21.1 16.6 25.0



#88

Benzo(b)fluoranthene

Concen: 3.689 ng m

RT: 15.110 min Scan# 2196

Delta R.T. 0.000 min

Lab File: BF142995.D

Acq: 03 Jul 2025 14:25

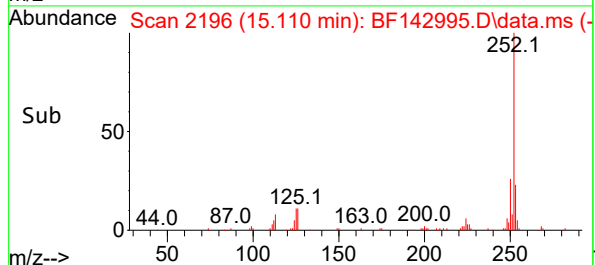
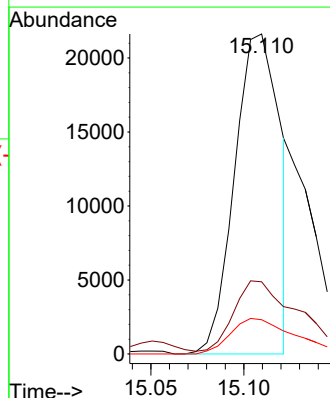
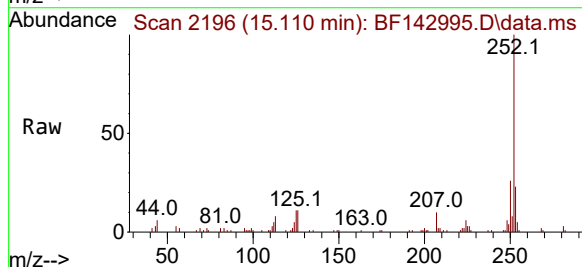
Tgt Ion:252 Resp: 36645

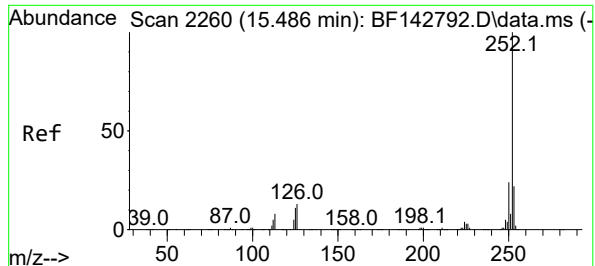
Ion Ratio Lower Upper

252 100

253 22.5 17.5 26.3

125 10.7 7.4 11.0





#90

Benzo(a)pyrene

Concen: 3.243 ng

RT: 15.480 min Scan# 21

Delta R.T. -0.006 min

Lab File: BF142995.D

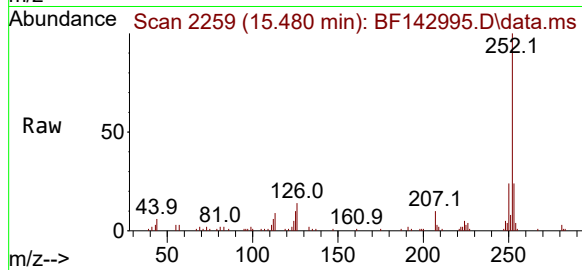
Acq: 03 Jul 2025 14:25

Instrument :

BNA_F

ClientSampleId :

TP-57



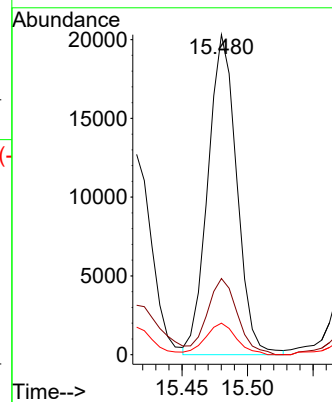
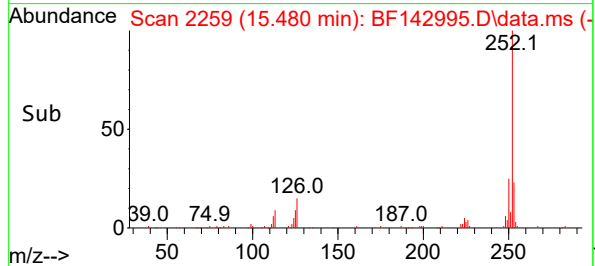
Tgt Ion:252 Resp: 31121

Ion Ratio Lower Upper

252 100

253 23.8 17.5 26.3

125 9.8 8.6 12.8



Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF070325\
 Data File : BF142995.D
 Acq On : 03 Jul 2025 14:25
 Operator : RC/JU
 Sample : Q2484-02
 Misc :
 ALS Vial : 10 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 TP-57

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: BF142995.D\data.ms

peak #	R.T. min	first scan	max scan	last scan	PK TY	peak height	corr. area	corr. % max.	% of total
1	3.963	294	301	308	rBB	21278	32599	2.94%	0.324%
2	5.093	486	493	506	rBV	59777	91673	8.27%	0.912%
3	5.357	534	538	545	rVB	22654	29227	2.64%	0.291%
4	5.493	552	561	583	rBV	678666	985377	88.92%	9.807%
5	5.722	597	600	605	rVB	17426	20178	1.82%	0.201%
6	6.398	711	715	718	rBV	11972	13831	1.25%	0.138%
7	6.504	723	733	740	rBV	699281	923144	83.30%	9.188%
8	6.698	761	766	771	rBV2	25281	32219	2.91%	0.321%
9	6.875	791	796	802	rBV	311399	393856	35.54%	3.920%
10	7.434	883	891	896	rBV	465734	597290	53.90%	5.945%
11	8.157	1006	1014	1022	rBV	422942	529252	47.76%	5.267%
12	9.233	1191	1197	1202	rBV	873756	1108171	100.00%	11.029%
13	9.916	1307	1313	1317	rBV	470430	593928	53.60%	5.911%
14	10.463	1401	1406	1413	rVB	11097	13481	1.22%	0.134%
15	10.627	1429	1434	1439	rBV	195993	242917	21.92%	2.418%
16	10.704	1442	1447	1459	rVV	557762	697028	62.90%	6.937%
17	10.933	1482	1486	1493	rBV	29169	36672	3.31%	0.365%
18	11.404	1561	1566	1575	rBV2	482553	724285	65.36%	7.209%
19	11.480	1575	1579	1583	rVB	17820	21925	1.98%	0.218%
20	11.639	1599	1606	1611	rBV2	7175	12453	1.12%	0.124%
21	11.927	1647	1655	1661	rBV2	37416	75689	6.83%	0.753%
22	12.022	1667	1671	1679	rVB	22978	41409	3.74%	0.412%
23	12.621	1768	1773	1778	rBV	155515	196583	17.74%	1.957%
24	12.851	1804	1812	1816	rBV	130368	195584	17.65%	1.947%
25	12.992	1828	1836	1844	rVB	728181	965138	87.09%	9.606%
26	13.069	1844	1849	1854	rBV3	7604	13285	1.20%	0.132%
27	13.180	1859	1868	1871	rBV	15447	27986	2.53%	0.279%
28	13.245	1875	1879	1882	rVV	12067	15796	1.43%	0.157%
29	13.280	1882	1885	1893	rVB3	9972	15544	1.40%	0.155%
30	13.898	1985	1990	1999	rVB3	20312	41999	3.79%	0.418%
31	14.051	2007	2016	2029	rVB2	324490	524487	47.33%	5.220%
32	14.157	2029	2034	2038	rBV2	9884	14569	1.31%	0.145%
33	15.110	2190	2196	2204	rBV	56392	128060	11.56%	1.275%
34	15.221	2211	2215	2218	rBV	9834	14551	1.31%	0.145%
35	15.415	2243	2248	2254	rVB	31659	52586	4.75%	0.523%
36	15.480	2254	2259	2264	rBV	50285	76952	6.94%	0.766%

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF070325\
Data File : BF142995.D
Acq On : 03 Jul 2025 14:25
Operator : RC/JU
Sample : Q2484-02
Misc :
ALS Vial : 10 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
TP-57

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	15.545	2264	2270	2284	rVB	286357	471964	42.59%	4.697%
38	17.056	2521	2527	2536	rVB2	19008	41492	3.74%	0.413%
39	17.515	2598	2605	2615	rBV	13831	34459	3.11%	0.343%

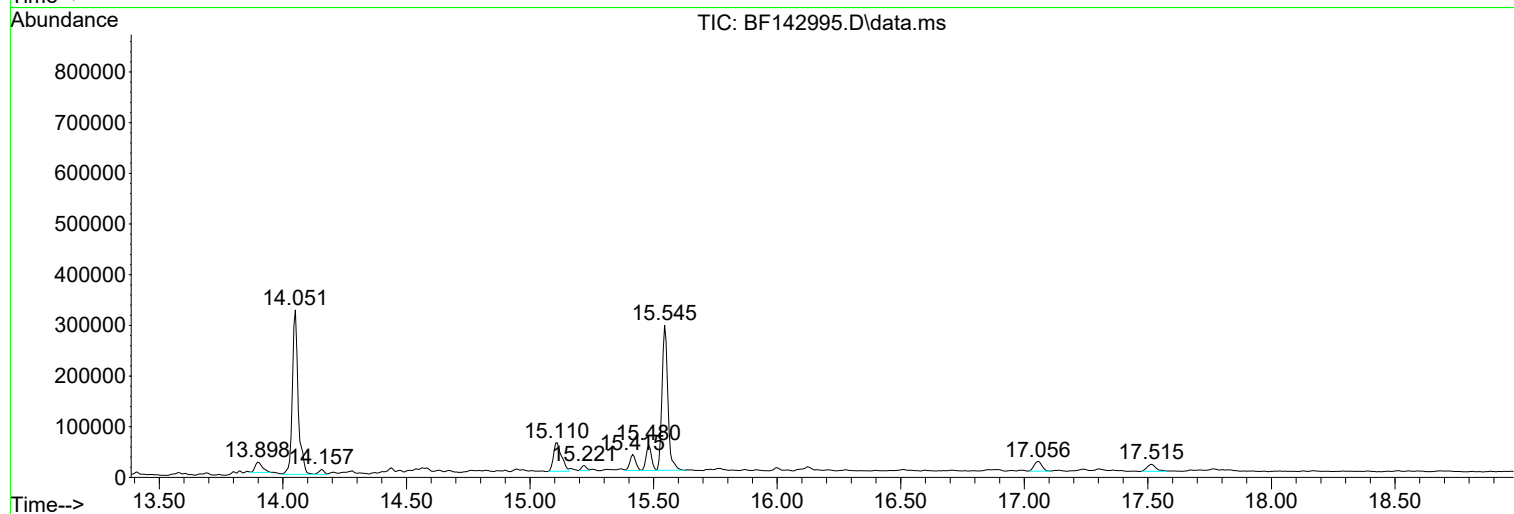
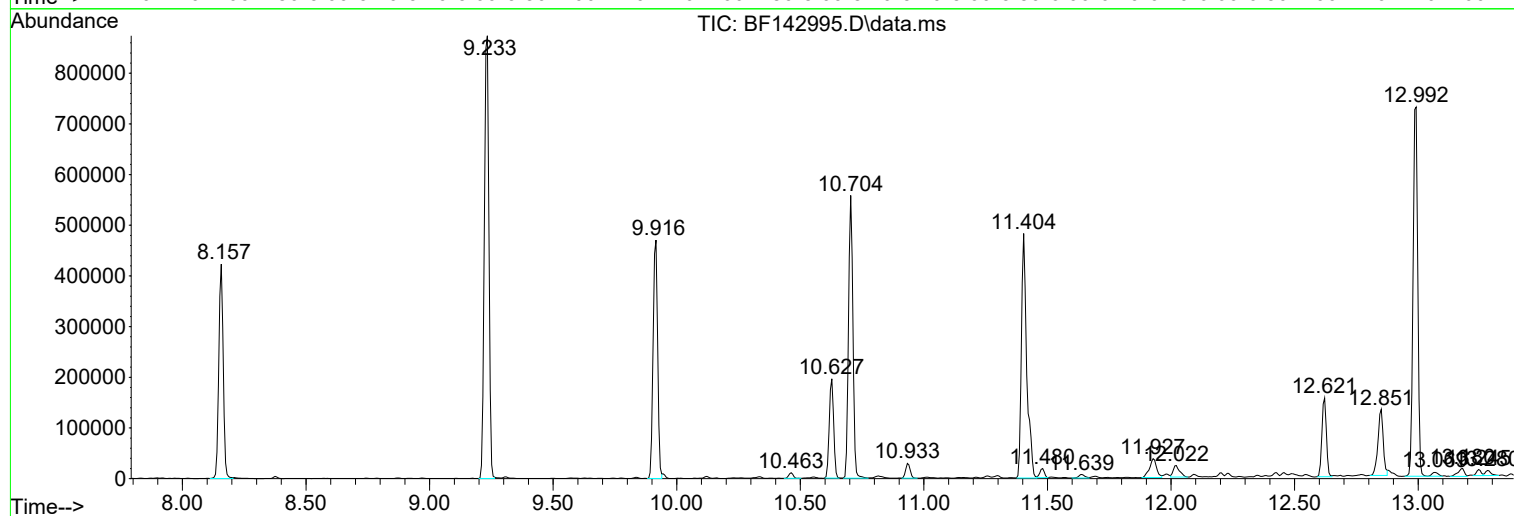
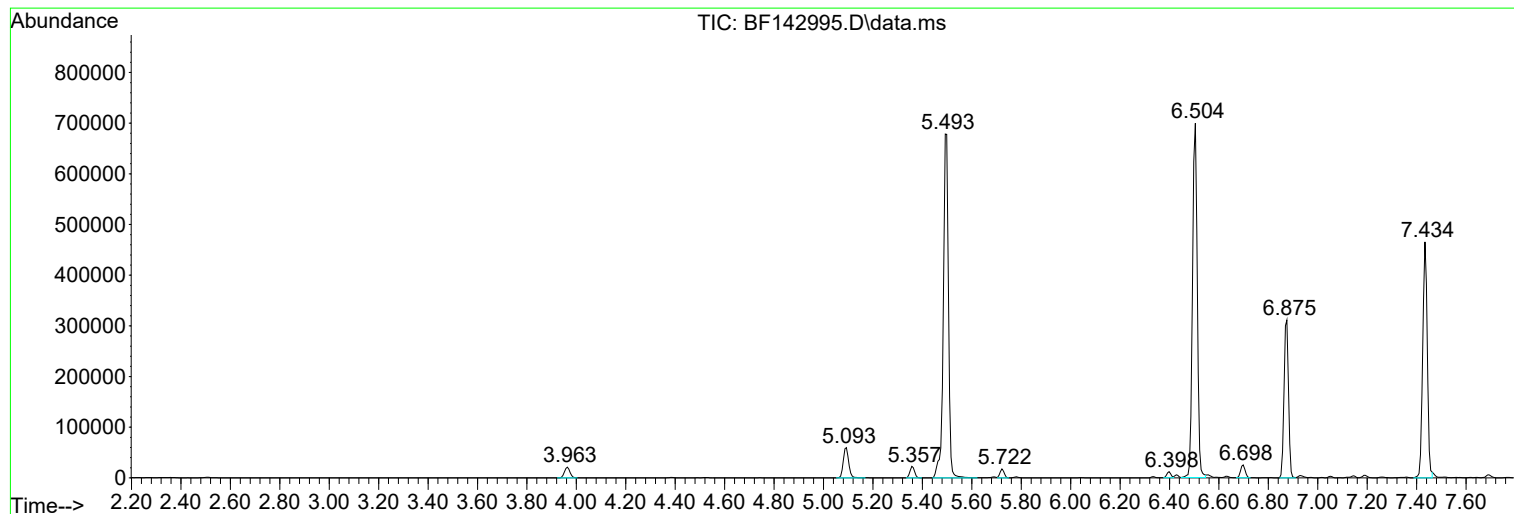
Sum of corrected areas: 10047639

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF070325\
Data File : BF142995.D
Acq On : 03 Jul 2025 14:25
Operator : RC/JU
Sample : Q2484-02
Misc :
ALS Vial : 10 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
TP-57

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\BF070325\
Data File : BF142995.D
Acq On : 03 Jul 2025 14:25
Operator : RC/JU
Sample : Q2484-02
Misc :
ALS Vial : 10 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
TP-57

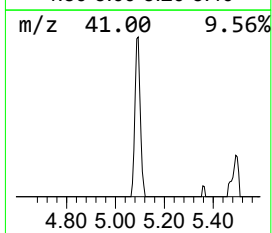
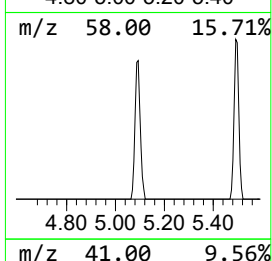
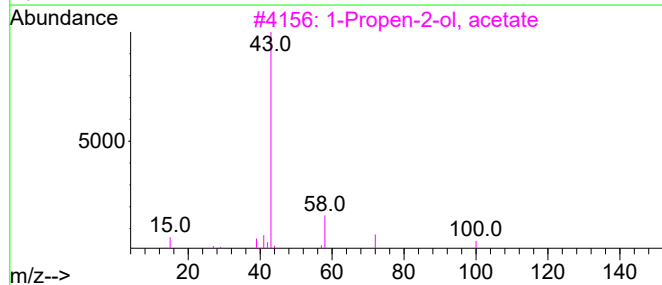
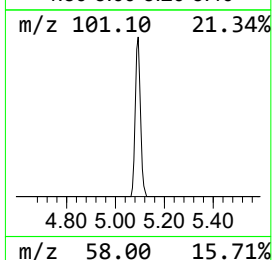
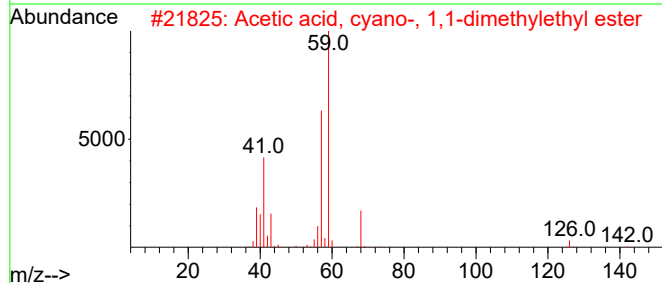
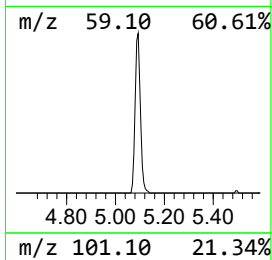
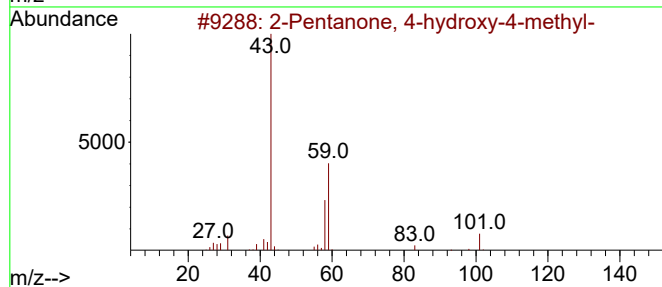
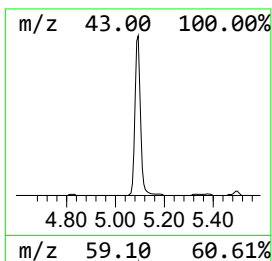
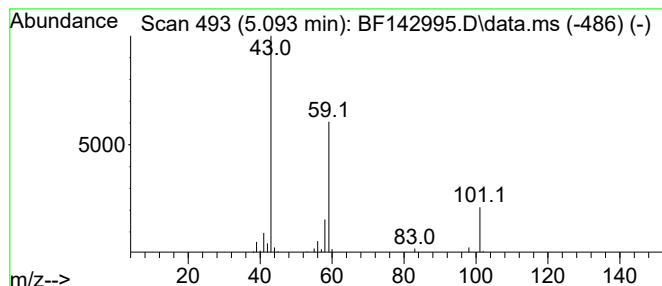
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF061925.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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.
5.093	4.66 ng	91673	1,4-Dichlorobenzene-d4	6.875

Hit#	of	5	Tentative ID	MW	MolForm	CAS#	Qual
1			2-Pentanone, 4-hydroxy-4-methyl-	116	C6H12O2	000123-42-2	56
2			Acetic acid, cyano-, 1,1-dimethy...	141	C7H11NO2	001116-98-9	17
3			1-Propen-2-ol, acetate	100	C5H8O2	000108-22-5	10
4			Morpholine, 4-methyl-	101	C5H11NO	000109-02-4	9
5			2,3-Butanedione, monooxime	101	C4H7NO2	000057-71-6	9



Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF070325\
Data File : BF142995.D
Acq On : 03 Jul 2025 14:25
Operator : RC/JU
Sample : Q2484-02
Misc :
ALS Vial : 10 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
TP-57

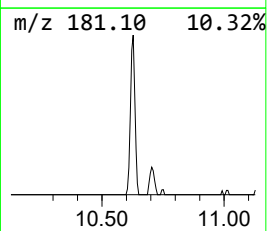
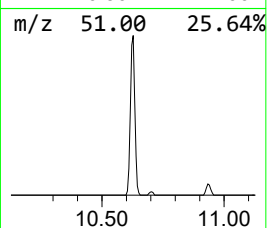
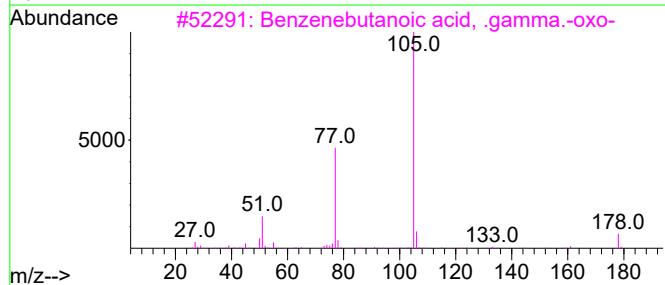
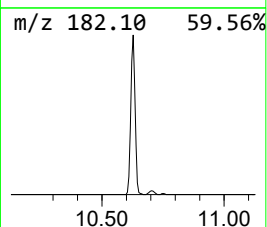
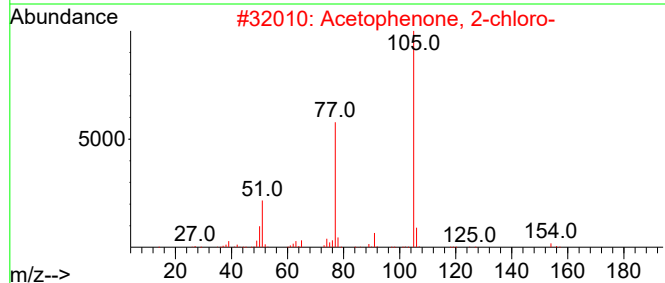
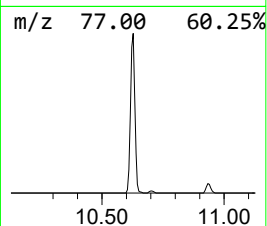
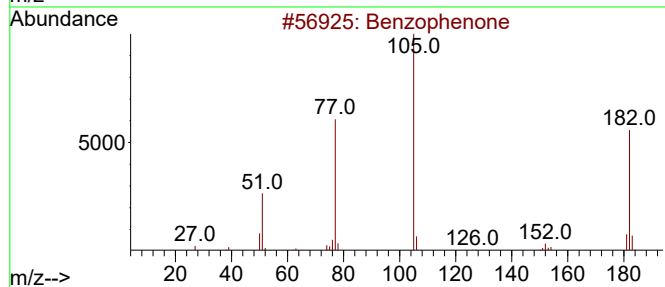
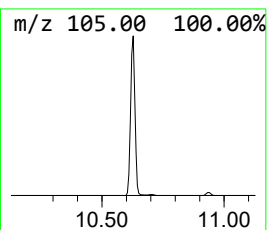
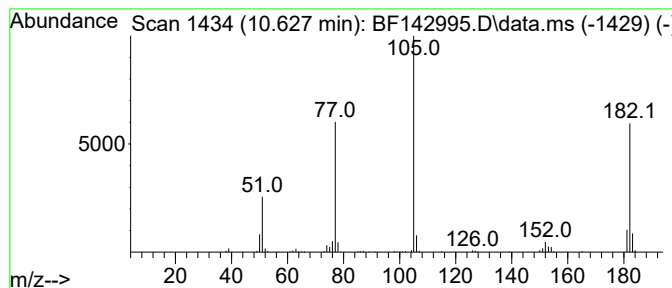
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 2 Benzophenone Concentration Rank 1

R.T.	EstConc	Area	Relative to ISTD	R.T.
10.628	8.18 ng	242917	Acenaphthene-d10	9.916

Hit#	of	5	Tentative ID	MW	MolForm	CAS#	Qual
1			Benzophenone	182	C13H10O	000119-61-9	96
2			Acetophenone, 2-chloro-	154	C8H7ClO	000532-27-4	49
3			Benzenebutanoic acid, .gamma.-oxo-	178	C10H10O3	002051-95-8	47
4			N-Methoxy-N-methylbenzamide	165	C9H11NO2	006919-61-5	47
5			Pentafluoroethyl phenyl ketone	224	C9H5F5O	000394-52-5	47



Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF070325\
Data File : BF142995.D
Acq On : 03 Jul 2025 14:25
Operator : RC/JU
Sample : Q2484-02
Misc :
ALS Vial : 10 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
TP-57

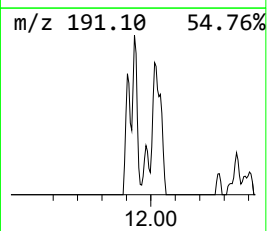
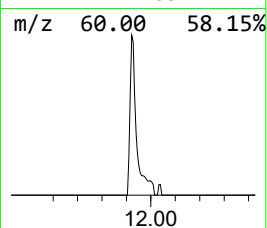
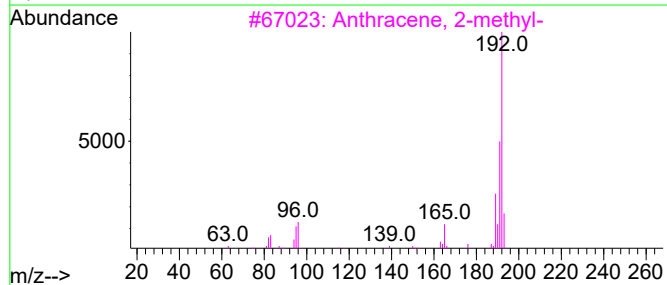
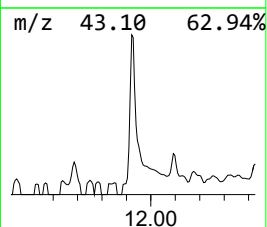
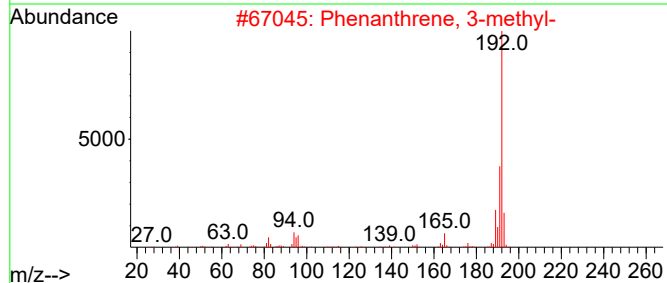
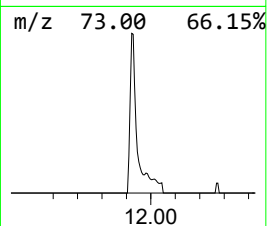
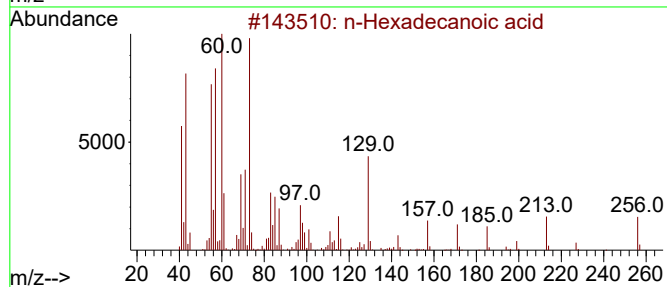
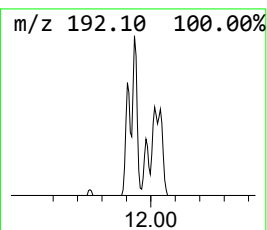
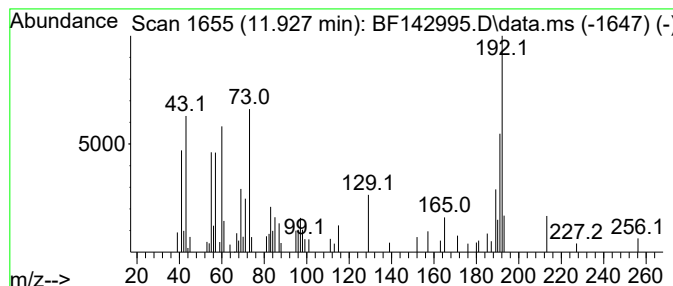
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 3 n-Hexadecanoic acid Concentration Rank 4

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.927	2.09 ng	75689	Phenanthrene-d10	11.404

Hit#	of	5	Tentative ID	MW	MolForm	CAS#	Qual
1			n-Hexadecanoic acid	256	C16H32O2	000057-10-3	91
2			Phenanthrene, 3-methyl-	192	C15H12	000832-71-3	90
3			Anthracene, 2-methyl-	192	C15H12	000613-12-7	70
4			Phenanthrene, 2-methyl-	192	C15H12	002531-84-2	60
5			Anthracene, 9-methyl-	192	C15H12	000779-02-2	60



Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF070325\
Data File : BF142995.D
Acq On : 03 Jul 2025 14:25
Operator : RC/JU
Sample : Q2484-02
Misc :
ALS Vial : 10 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
TP-57

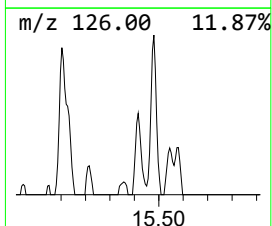
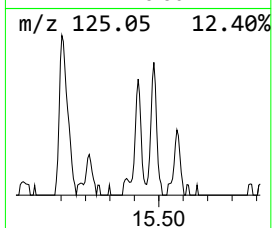
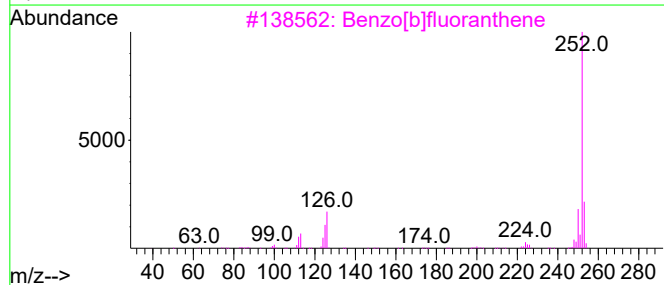
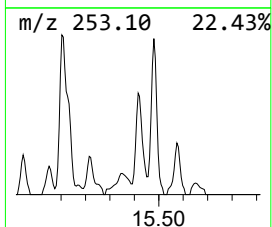
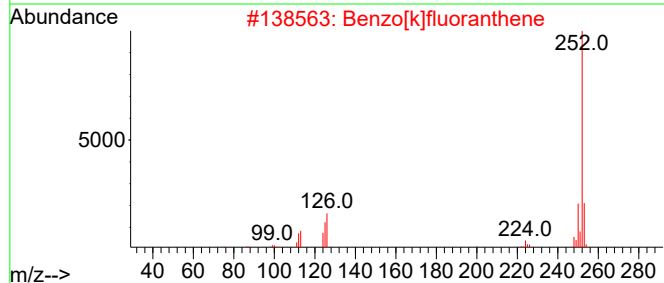
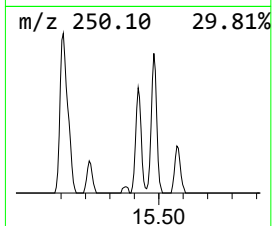
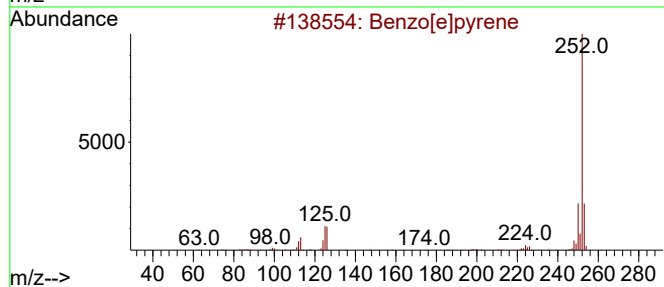
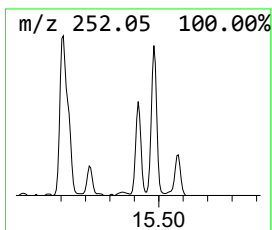
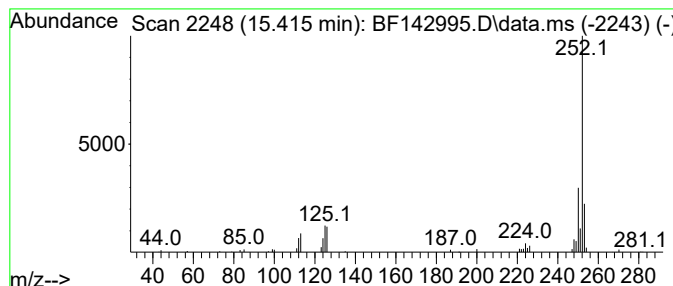
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF061925.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 4 Benzo[e]pyrene Concentration Rank 3

R.T.	EstConc	Area	Relative to ISTD	R.T.
15.415	2.23 ng	52586	Perylene-d12	15.545

Hit#	of	5	Tentative ID	MW	MolForm	CAS#	Qual
1			Benzo[e]pyrene	252	C20H12	000192-97-2	98
2			Benzo[k]fluoranthene	252	C20H12	000207-08-9	96
3			Benzo[b]fluoranthene	252	C20H12	000205-99-2	95
4			Benzo[a]pyrene	252	C20H12	000050-32-8	94
5			Perylene	252	C20H12	000198-55-0	93



Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF070325\
Data File : BF142995.D
Acq On : 03 Jul 2025 14:25
Operator : RC/JU
Sample : Q2484-02
Misc :
ALS Vial : 10 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
TP-57

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

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

TIC Top Hit name	RT	EstConc	Units	Response	--Internal Standard--			
					#	RT	Resp	Conc
2-Pentanone, 4-...	5.093	4.7	ng	91673	1	6.875	393856	20.0
Benzophenone	10.628	8.2	ng	242917	3	9.916	593928	20.0
n-Hexadecanoic ...	11.927	2.1	ng	75689	4	11.404	724285	20.0
Benzo[e]pyrene	15.415	2.2	ng	52586	6	15.545	471964	20.0

Report of Analysis

Client:	CDM Smith	Date Collected:	07/01/25
Project:	South River WM Replacement	Date Received:	07/01/25
Client Sample ID:	TP-64	SDG No.:	Q2484
Lab Sample ID:	Q2484-03	Matrix:	SOIL
Analytical Method:	8270E	% Solid:	88.4
Sample Wt/Vol:	30.07	Units:	g
Soil Aliquot Vol:			uL
Extraction Type :		Decanted :	N
Injection Volume :		GPC Factor :	1.0
Prep Method :	SW3541	Level :	LOW
		Test:	SVOC-TCL BNA -20
		Final Vol:	1000
		PH :	
		GPC Cleanup :	N

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
BF143021.D	5	07/02/25 08:55	07/07/25 21:22	PB168694

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units(Dry Weight)
TARGETS						
100-52-7	Benzaldehyde	880	U	880	1900	ug/Kg
108-95-2	Phenol	120	U	120	960	ug/Kg
111-44-4	bis(2-Chloroethyl)ether	140	U	140	960	ug/Kg
95-57-8	2-Chlorophenol	140	U	140	960	ug/Kg
95-48-7	2-Methylphenol	170	U	170	960	ug/Kg
108-60-1	2,2-oxybis(1-Chloropropane)	210	U	210	960	ug/Kg
98-86-2	Acetophenone	170	U	170	960	ug/Kg
65794-96-9	3+4-Methylphenols	230	U	230	1900	ug/Kg
621-64-7	n-Nitroso-di-n-propylamine	270	U	270	450	ug/Kg
67-72-1	Hexachloroethane	99.3	U	99.3	960	ug/Kg
98-95-3	Nitrobenzene	100	U	100	960	ug/Kg
78-59-1	Isophorone	190	U	190	960	ug/Kg
88-75-5	2-Nitrophenol	330	U	330	960	ug/Kg
105-67-9	2,4-Dimethylphenol	370	U	370	960	ug/Kg
111-91-1	bis(2-Chloroethoxy)methane	170	U	170	960	ug/Kg
120-83-2	2,4-Dichlorophenol	160	U	160	960	ug/Kg
91-20-3	Naphthalene	130	U	130	960	ug/Kg
106-47-8	4-Chloroaniline	200	U	200	960	ug/Kg
87-68-3	Hexachlorobutadiene	140	U	140	960	ug/Kg
105-60-2	Caprolactam	290	U	290	1900	ug/Kg
59-50-7	4-Chloro-3-methylphenol	160	U	160	960	ug/Kg
91-57-6	2-Methylnaphthalene	140	U	140	960	ug/Kg
77-47-4	Hexachlorocyclopentadiene	650	U	650	1900	ug/Kg
88-06-2	2,4,6-Trichlorophenol	110	U	110	960	ug/Kg
95-95-4	2,4,5-Trichlorophenol	160	U	160	960	ug/Kg
92-52-4	1,1-Biphenyl	120	U	120	960	ug/Kg
91-58-7	2-Chloronaphthalene	130	U	130	960	ug/Kg
88-74-4	2-Nitroaniline	270	U	270	960	ug/Kg
131-11-3	Dimethylphthalate	150	U	150	960	ug/Kg

Report of Analysis

Client:	CDM Smith	Date Collected:	07/01/25
Project:	South River WM Replacement	Date Received:	07/01/25
Client Sample ID:	TP-64	SDG No.:	Q2484
Lab Sample ID:	Q2484-03	Matrix:	SOIL
Analytical Method:	8270E	% Solid:	88.4
Sample Wt/Vol:	30.07 Units: g	Final Vol:	1000 uL
Soil Aliquot Vol:	uL	Test:	SVOC-TCL BNA -20
Extraction Type :	Decanted : N	Level :	LOW
Injection Volume :	GPC Factor : 1.0	GPC Cleanup :	N PH :
Prep Method :	SW3541		

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
BF143021.D	5	07/02/25 08:55	07/07/25 21:22	PB168694

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units(Dry Weight)
208-96-8	Acenaphthylene	160	U	160	960	ug/Kg
606-20-2	2,6-Dinitrotoluene	190	U	190	960	ug/Kg
99-09-2	3-Nitroaniline	260	U	260	960	ug/Kg
83-32-9	Acenaphthene	120	U	120	960	ug/Kg
51-28-5	2,4-Dinitrophenol	1300	U	1300	1900	ug/Kg
100-02-7	4-Nitrophenol	600	U	600	1900	ug/Kg
132-64-9	Dibenzofuran	130	U	130	960	ug/Kg
121-14-2	2,4-Dinitrotoluene	280	U	280	960	ug/Kg
84-66-2	Diethylphthalate	160	U	160	960	ug/Kg
7005-72-3	4-Chlorophenyl-phenylether	150	U	150	960	ug/Kg
86-73-7	Fluorene	140	U	140	960	ug/Kg
100-01-6	4-Nitroaniline	360	U	360	960	ug/Kg
534-52-1	4,6-Dinitro-2-methylphenol	580	U	580	1900	ug/Kg
86-30-6	n-Nitrosodiphenylamine	190	U	190	960	ug/Kg
101-55-3	4-Bromophenyl-phenylether	160	U	160	960	ug/Kg
118-74-1	Hexachlorobenzene	140	U	140	960	ug/Kg
1912-24-9	Atrazine	190	U	190	960	ug/Kg
87-86-5	Pentachlorophenol	290	U	290	1900	ug/Kg
85-01-8	Phenanthrene	120	U	120	960	ug/Kg
120-12-7	Anthracene	190	U	190	960	ug/Kg
86-74-8	Carbazole	180	U	180	960	ug/Kg
84-74-2	Di-n-butylphthalate	270	U	270	960	ug/Kg
206-44-0	Fluoranthene	650	J	170	960	ug/Kg
129-00-0	Pyrene	520	J	200	960	ug/Kg
85-68-7	Butylbenzylphthalate	400	UQ	400	960	ug/Kg
91-94-1	3,3-Dichlorobenzidine	210	U	210	1900	ug/Kg
56-55-3	Benzo(a)anthracene	130	U	130	960	ug/Kg
218-01-9	Chrysene	110	U	110	960	ug/Kg
117-81-7	Bis(2-ethylhexyl)phthalate	330	U	330	960	ug/Kg
117-84-0	Di-n-octyl phthalate	490	U	490	1900	ug/Kg
205-99-2	Benzo(b)fluoranthene	430	J	110	960	ug/Kg

Report of Analysis

Client:	CDM Smith	Date Collected:	07/01/25
Project:	South River WM Replacement	Date Received:	07/01/25
Client Sample ID:	TP-64	SDG No.:	Q2484
Lab Sample ID:	Q2484-03	Matrix:	SOIL
Analytical Method:	8270E	% Solid:	88.4
Sample Wt/Vol:	30.07 Units: g	Final Vol:	1000 uL
Soil Aliquot Vol:	uL	Test:	SVOC-TCL BNA -20
Extraction Type :	Decanted : N	Level :	LOW
Injection Volume :	GPC Factor : 1.0	GPC Cleanup :	N PH :
Prep Method :	SW3541		

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
BF143021.D	5	07/02/25 08:55	07/07/25 21:22	PB168694

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units(Dry Weight)
207-08-9	Benzo(k)fluoranthene	130	U	130	960	ug/Kg
50-32-8	Benzo(a)pyrene	170	U	170	960	ug/Kg
193-39-5	Indeno(1,2,3-cd)pyrene	160	U	160	960	ug/Kg
53-70-3	Dibenzo(a,h)anthracene	150	U	150	960	ug/Kg
191-24-2	Benzo(g,h,i)perylene	150	U	150	960	ug/Kg
95-94-3	1,2,4,5-Tetrachlorobenzene	140	U	140	960	ug/Kg
123-91-1	1,4-Dioxane	260	U	260	960	ug/Kg
58-90-2	2,3,4,6-Tetrachlorophenol	150	U	150	960	ug/Kg
SURROGATES						
367-12-4	2-Fluorophenol	65.4		18 - 112	44%	SPK: 150
13127-88-3	Phenol-d6	61.8		15 - 107	41%	SPK: 150
4165-60-0	Nitrobenzene-d5	39.4		18 - 107	39%	SPK: 100
321-60-8	2-Fluorobiphenyl	43.9		20 - 109	44%	SPK: 100
118-79-6	2,4,6-Tribromophenol	63.6		10 - 116	42%	SPK: 150
1718-51-0	Terphenyl-d14	39.8		10 - 105	40%	SPK: 100
INTERNAL STANDARDS						
3855-82-1	1,4-Dichlorobenzene-d4	45300	6.875			
1146-65-2	Naphthalene-d8	159000	8.157			
15067-26-2	Acenaphthene-d10	77600	9.916			
1517-22-2	Phenanthrene-d10	141000	11.404			
1719-03-5	Chrysene-d12	110000	14.057			
1520-96-3	Perylene-d12	80900	15.557			

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\BF070725\
Data File : BF143021.D
Acq On : 07 Jul 2025 21:22
Operator : RC/JU
Sample : Q2484-03 5X
Misc :
ALS Vial : 20 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
TP-64

Quant Time: Jul 08 00:59:47 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

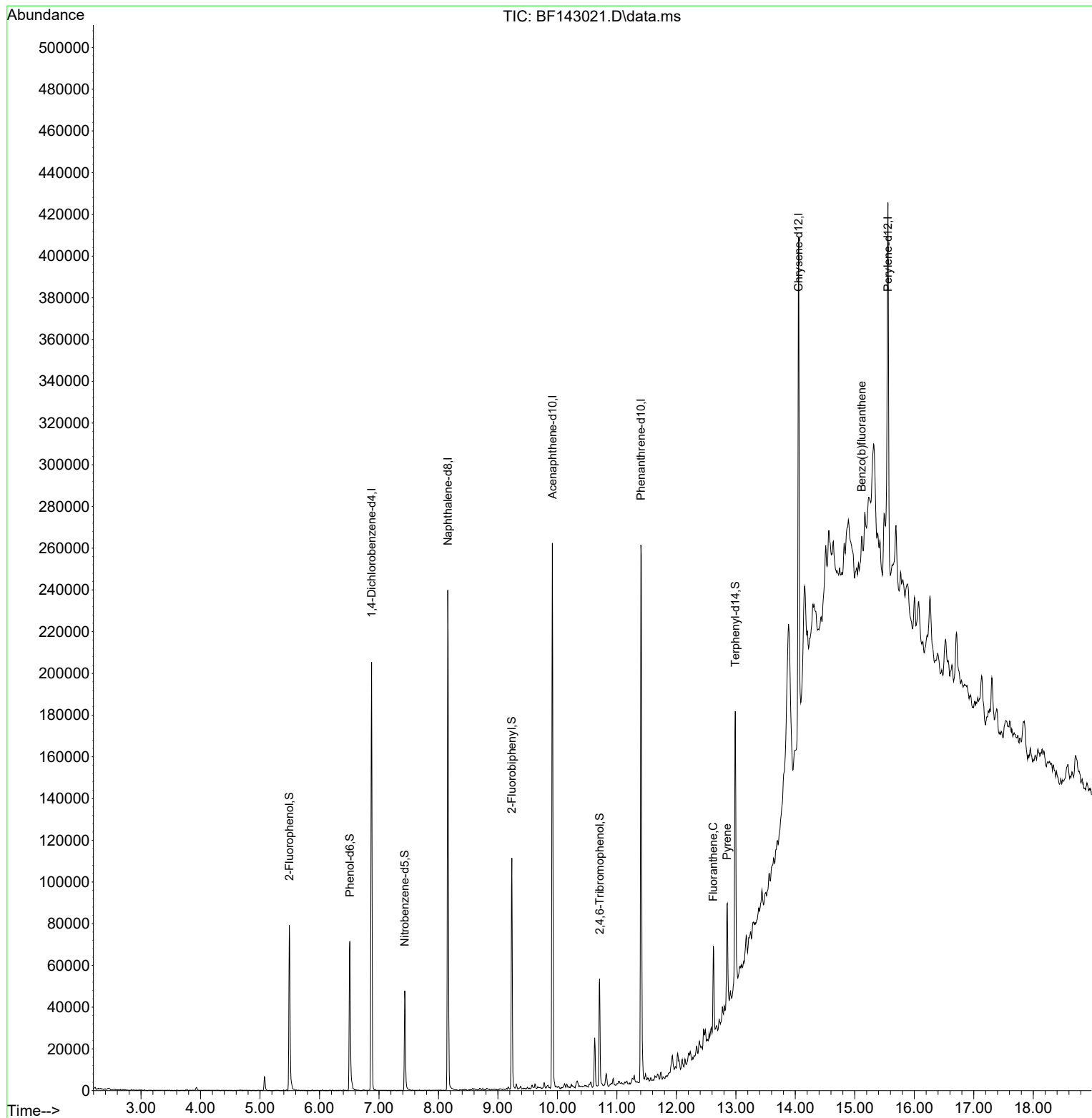
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) 1,4-Dichlorobenzene-d4	6.875	152	45344	20.000	ng	0.00
21) Naphthalene-d8	8.157	136	158652	20.000	ng	-0.01
39) Acenaphthene-d10	9.916	164	77572	20.000	ng	0.00
64) Phenanthrene-d10	11.404	188	140588	20.000	ng	0.00
76) Chrysene-d12	14.057	240	110239	20.000	ng	0.00
86) Perylene-d12	15.557	264	80889	20.000	ng	0.01
System Monitoring Compounds						
5) 2-Fluorophenol	5.493	112	35598	13.071	ng	0.00
7) Phenol-d6	6.510	99	39694	12.353	ng	0.00
23) Nitrobenzene-d5	7.434	82	22766	7.871	ng	-0.01
42) 2,4,6-Tribromophenol	10.710	330	10161	12.729	ng	0.00
45) 2-Fluorobiphenyl	9.234	172	51804	8.773	ng	-0.01
79) Terphenyl-d14	12.992	244	63543	7.964	ng	0.00
Target Compounds						Qvalue
75) Fluoranthene	12.622	202	25110	3.474	ng	98
78) Pyrene	12.851	202	28418	2.750	ng	98
88) Benzo(b)fluoranthene	15.116	252	10802m	2.308	ng	

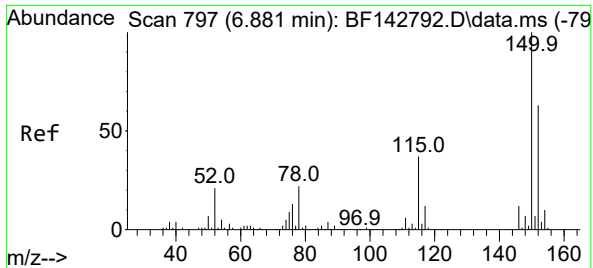
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF070725\
Data File : BF143021.D
Acq On : 07 Jul 2025 21:22
Operator : RC/JU
Sample : Q2484-03 5X
Misc :
ALS Vial : 20 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
TP-64

Quant Time: Jul 08 00:59:47 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

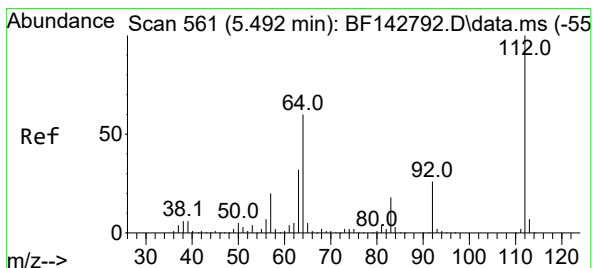
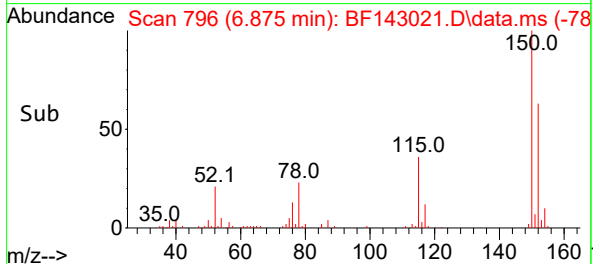
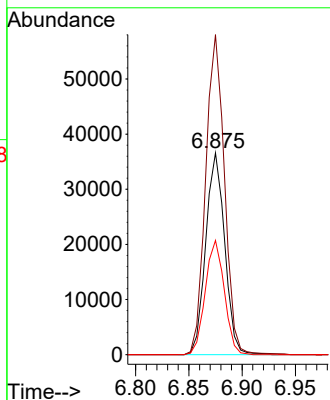
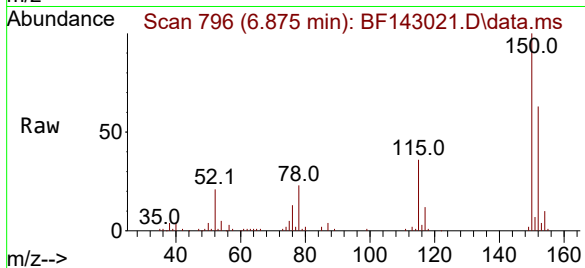




#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.875 min Scan# 797
Delta R.T. -0.006 min
Lab File: BF143021.D
Acq: 07 Jul 2025 21:22

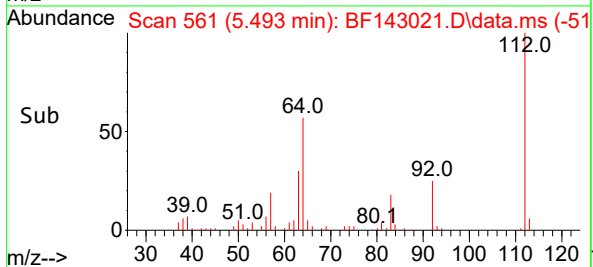
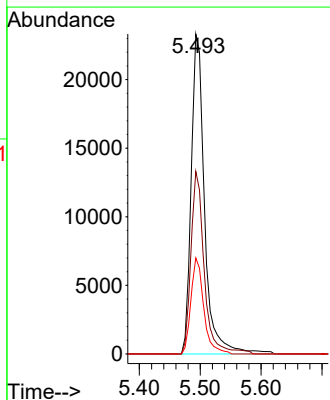
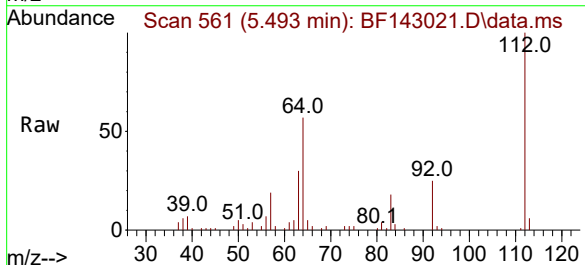
Instrument :
BNA_F
ClientSampleId :
TP-64

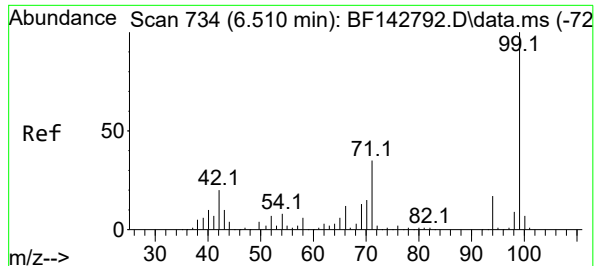
Tgt Ion:152 Resp: 45344
Ion Ratio Lower Upper
152 100
150 158.6 127.2 190.8
115 56.6 46.6 69.8



#5
2-Fluorophenol
Concen: 13.071 ng
RT: 5.493 min Scan# 561
Delta R.T. 0.001 min
Lab File: BF143021.D
Acq: 07 Jul 2025 21:22

Tgt Ion:112 Resp: 35598
Ion Ratio Lower Upper
112 100
64 57.1 48.2 72.2
63 30.0 25.7 38.5

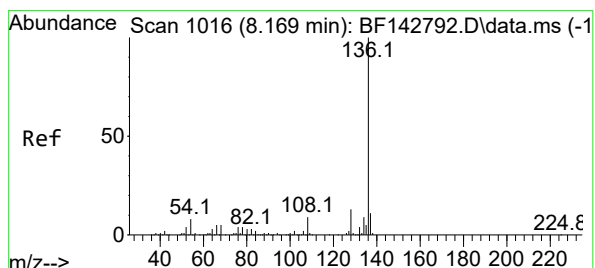
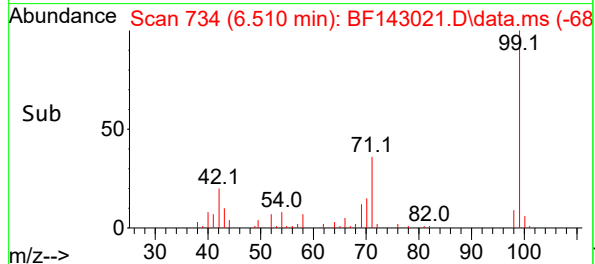
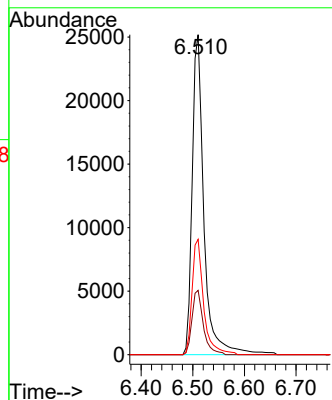
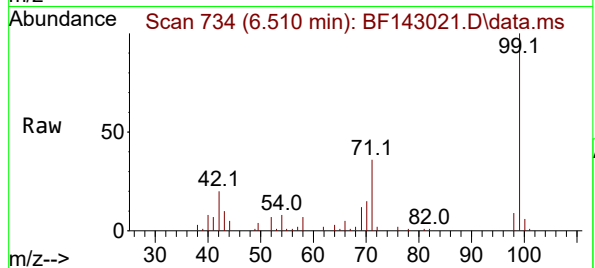




#7
Phenol-d6
Concen: 12.353 ng
RT: 6.510 min Scan# 71
Delta R.T. 0.000 min
Lab File: BF143021.D
Acq: 07 Jul 2025 21:22

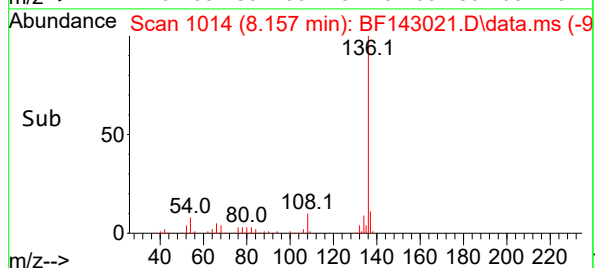
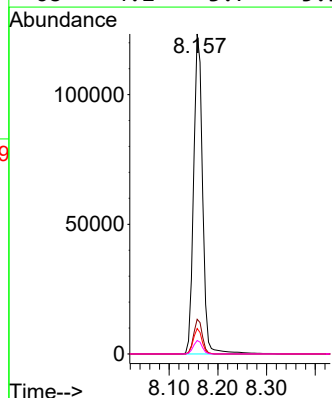
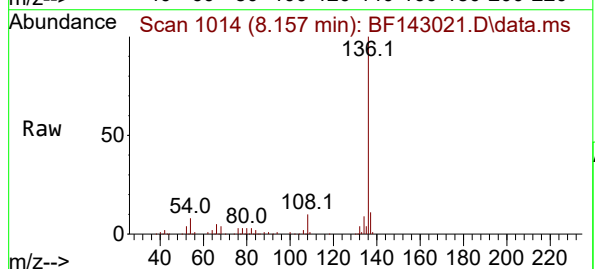
Instrument :
BNA_F
ClientSampleId :
TP-64

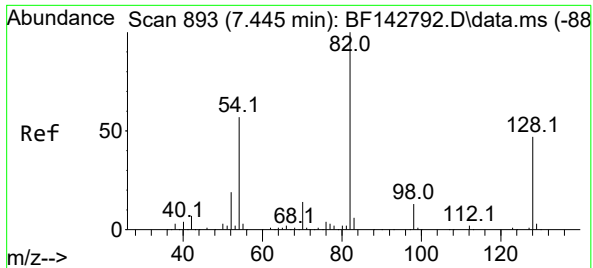
Tgt Ion: 99 Resp: 39694
Ion Ratio Lower Upper
99 100
42 20.1 15.9 23.9
71 36.0 27.8 41.8



#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.157 min Scan# 1014
Delta R.T. -0.012 min
Lab File: BF143021.D
Acq: 07 Jul 2025 21:22

Tgt Ion: 136 Resp: 158652
Ion Ratio Lower Upper
136 100
137 10.9 8.4 12.6
54 8.0 6.3 9.5
68 4.2 3.7 5.5





#23

Nitrobenzene-d5

Concen: 7.871 ng

RT: 7.434 min Scan# 891

Delta R.T. -0.011 min

Lab File: BF143021.D

Acq: 07 Jul 2025 21:22

Instrument :

BNA_F

ClientSampleId :

TP-64

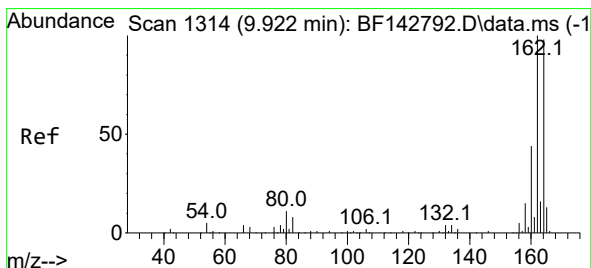
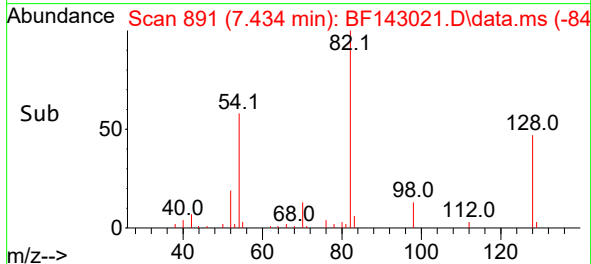
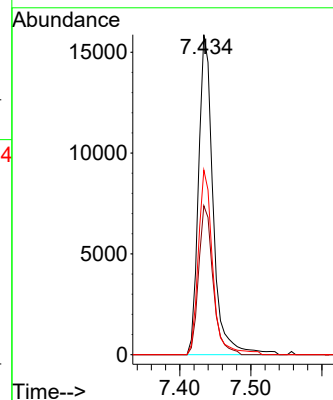
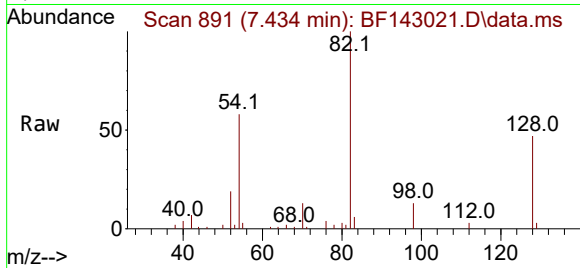
Tgt Ion: 82 Resp: 22766

Ion Ratio Lower Upper

82 100

128 46.6 37.7 56.5

54 57.7 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: BF143021.D

Acq: 07 Jul 2025 21:22

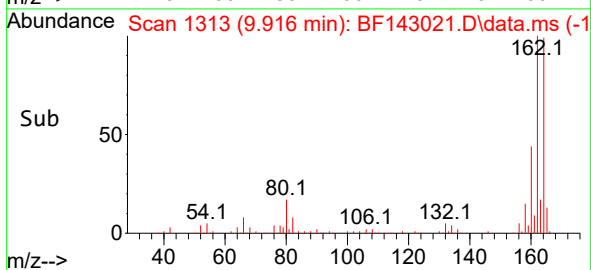
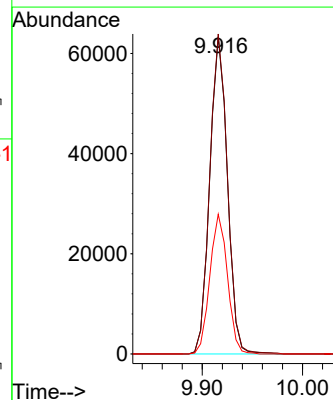
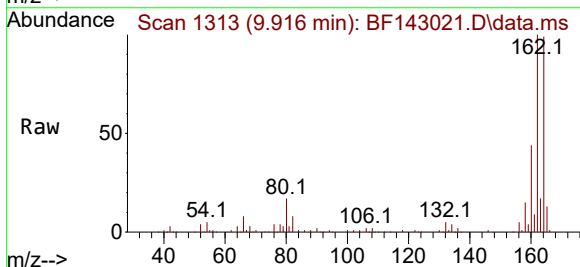
Tgt Ion:164 Resp: 77572

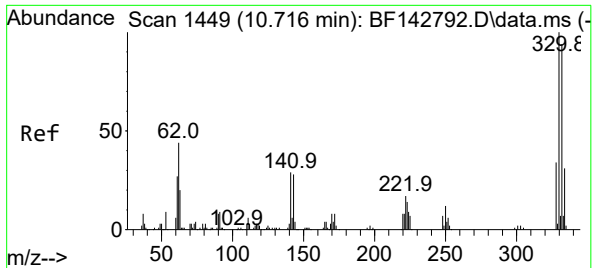
Ion Ratio Lower Upper

164 100

162 100.9 81.8 122.8

160 44.0 36.0 54.0





#42

2,4,6-Tribromophenol

Concen: 12.729 ng

RT: 10.710 min Scan# 1449

Delta R.T. -0.006 min

Lab File: BF143021.D

Acq: 07 Jul 2025 21:22

Instrument :

BNA_F

ClientSampleId :

TP-64

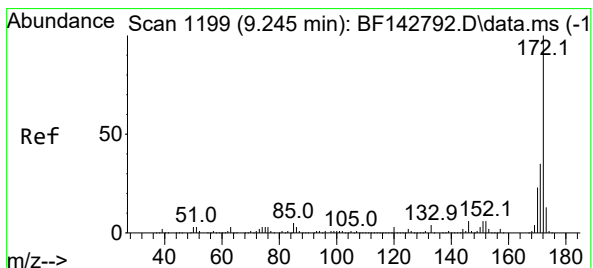
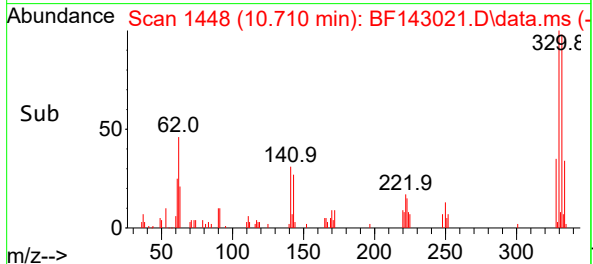
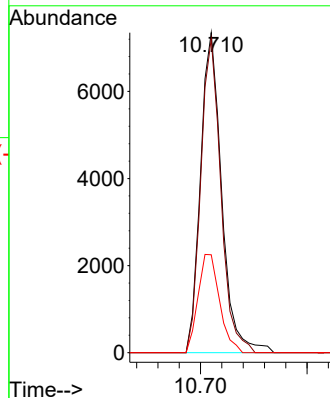
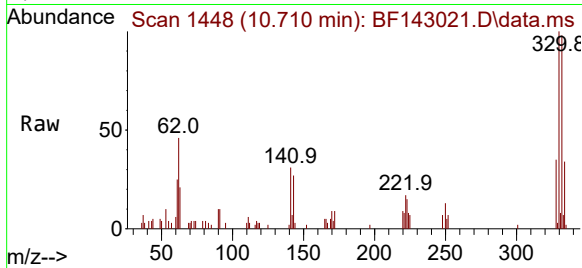
Tgt Ion:330 Resp: 10161

Ion Ratio Lower Upper

330 100

332 93.2 75.0 112.6

141 31.3 25.3 37.9



#45

2-Fluorobiphenyl

Concen: 8.773 ng

RT: 9.234 min Scan# 1197

Delta R.T. -0.011 min

Lab File: BF143021.D

Acq: 07 Jul 2025 21:22

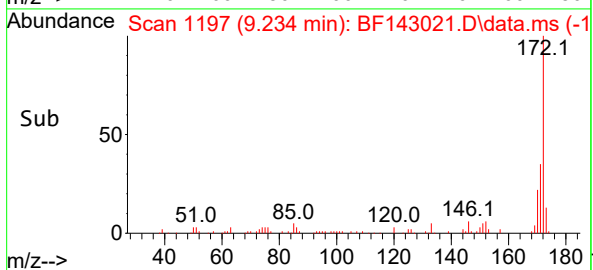
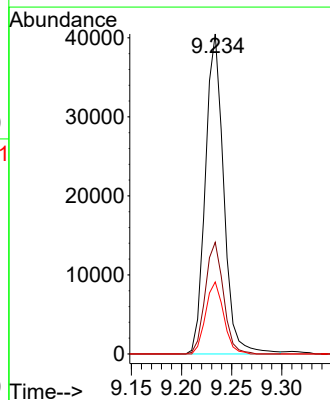
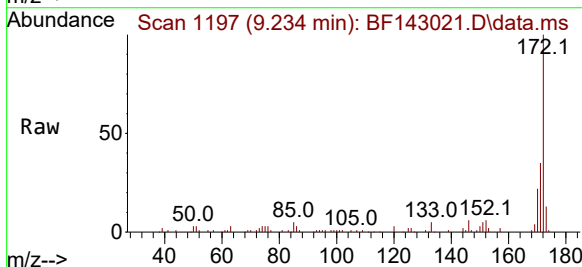
Tgt Ion:172 Resp: 51804

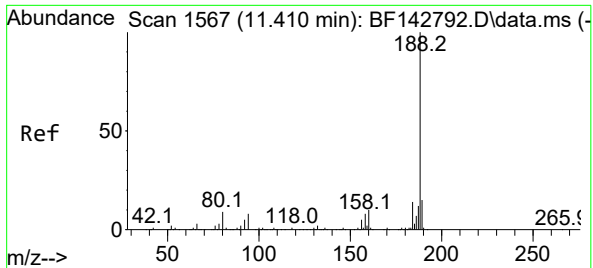
Ion Ratio Lower Upper

172 100

171 34.9 28.2 42.4

170 22.5 18.5 27.7

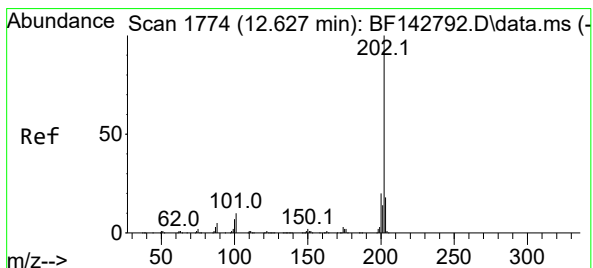
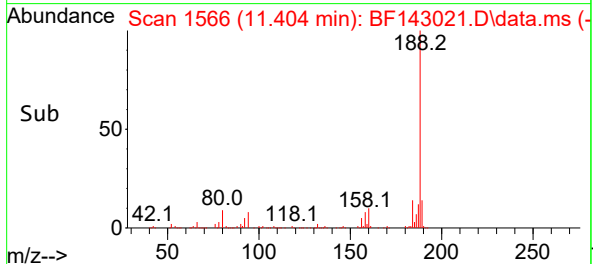
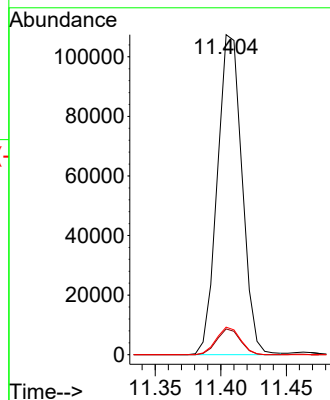
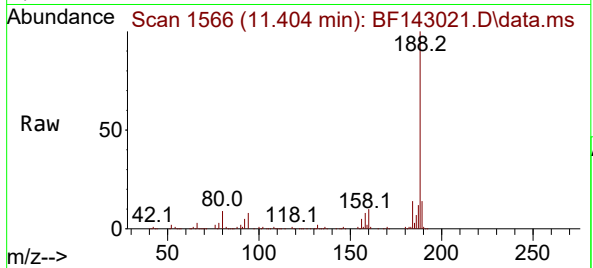




#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.404 min Scan# 1
Delta R.T. -0.006 min
Lab File: BF143021.D
Acq: 07 Jul 2025 21:22

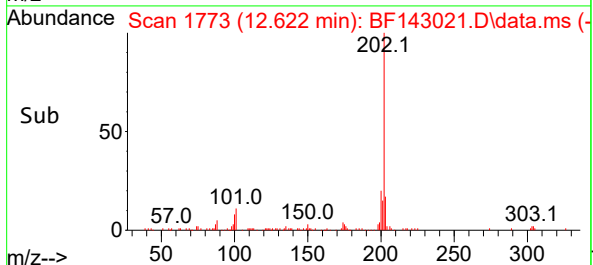
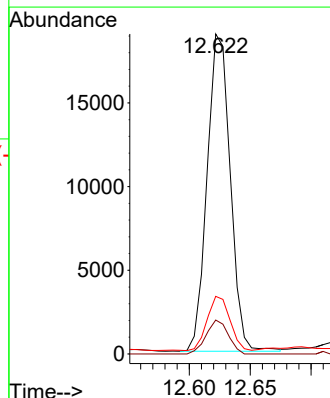
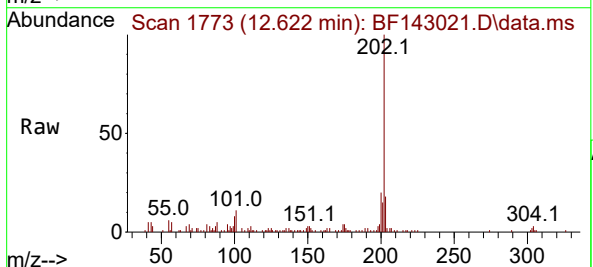
Instrument :
BNA_F
ClientSampleId :
TP-64

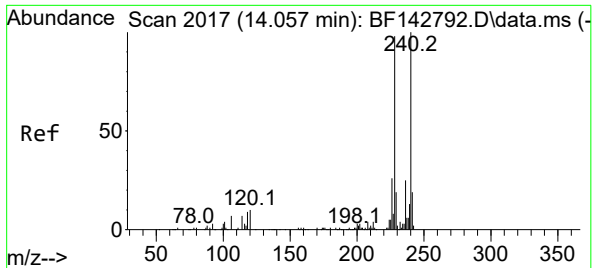
Tgt Ion:188 Resp: 140588
Ion Ratio Lower Upper
188 100
94 8.0 6.7 10.1
80 8.6 6.9 10.3



#75
Fluoranthene
Concen: 3.474 ng
RT: 12.622 min Scan# 1773
Delta R.T. -0.006 min
Lab File: BF143021.D
Acq: 07 Jul 2025 21:22

Tgt Ion:202 Resp: 25110
Ion Ratio Lower Upper
202 100
101 10.6 0.0 29.7
203 18.0 0.0 37.5





#76

Chrysene-d12

Concen: 20.000 ng

RT: 14.057 min Scan# 20

Delta R.T. 0.000 min

Lab File: BF143021.D

Acq: 07 Jul 2025 21:22

Instrument :

BNA_F

ClientSampleId :

TP-64

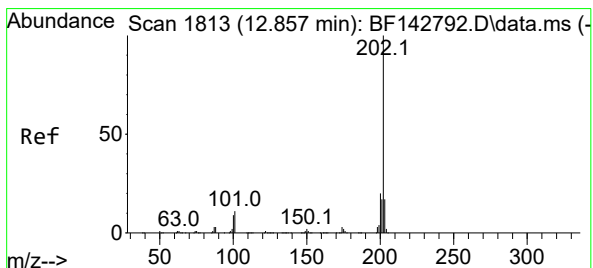
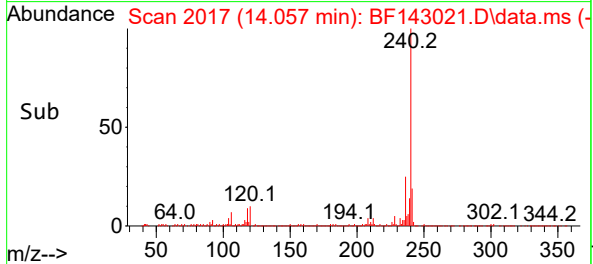
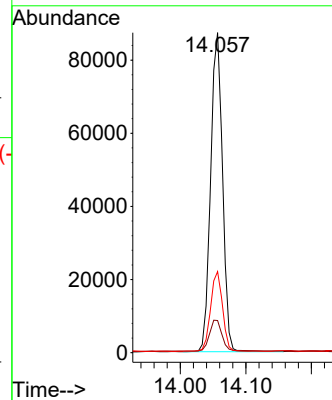
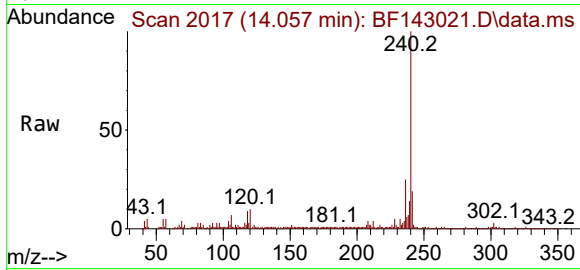
Tgt Ion:240 Resp: 110239

Ion Ratio Lower Upper

240 100

120 10.1 8.2 12.2

236 25.3 19.8 29.8



#78

Pyrene

Concen: 2.750 ng

RT: 12.851 min Scan# 1812

Delta R.T. -0.006 min

Lab File: BF143021.D

Acq: 07 Jul 2025 21:22

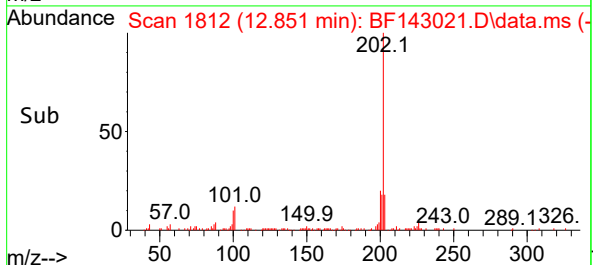
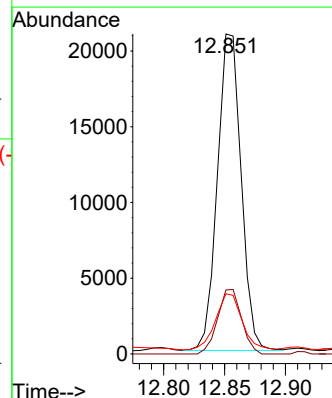
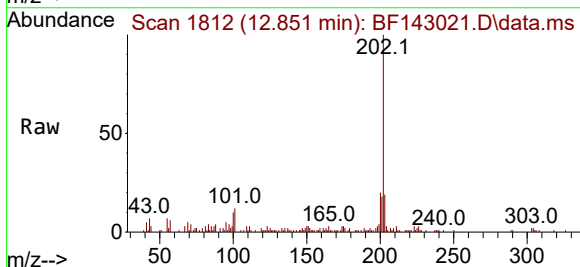
Tgt Ion:202 Resp: 28418

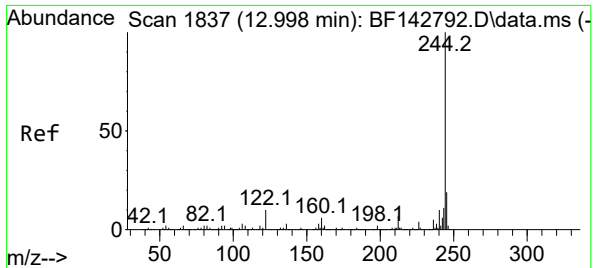
Ion Ratio Lower Upper

202 100

200 20.0 15.7 23.5

203 18.8 13.8 20.6





#79

Terphenyl-d14

Concen: 7.964 ng

RT: 12.992 min Scan# 1836

Delta R.T. -0.006 min

Lab File: BF143021.D

Acq: 07 Jul 2025 21:22

Instrument :

BNA_F

ClientSampleId :

TP-64

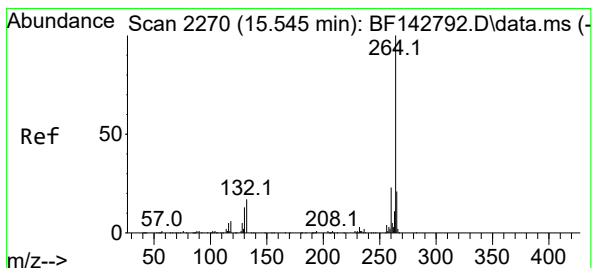
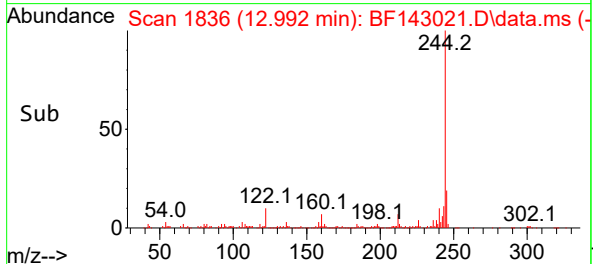
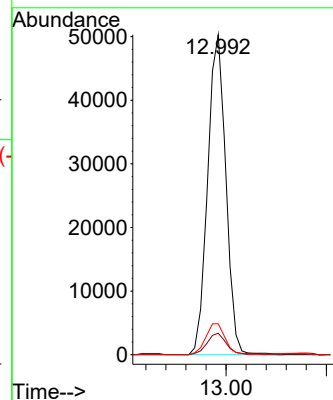
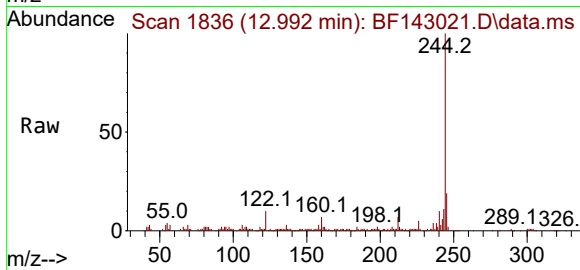
Tgt Ion:244 Resp: 63543

Ion Ratio Lower Upper

244 100

212 6.7 5.4 8.0

122 9.7 8.2 12.2



#86

Perylene-d12

Concen: 20.000 ng

RT: 15.557 min Scan# 2272

Delta R.T. 0.012 min

Lab File: BF143021.D

Acq: 07 Jul 2025 21:22

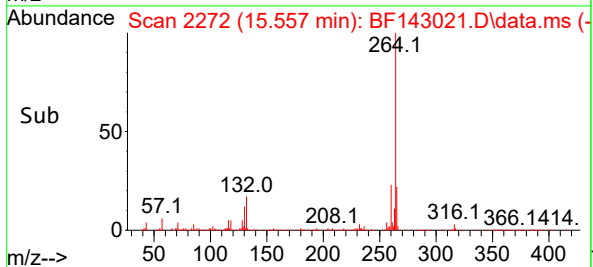
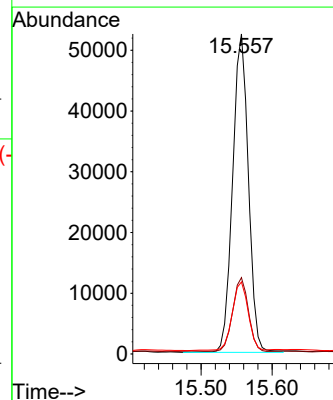
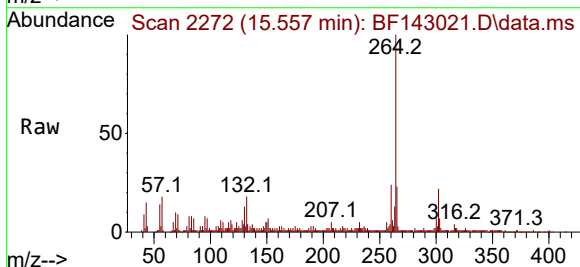
Tgt Ion:264 Resp: 80889

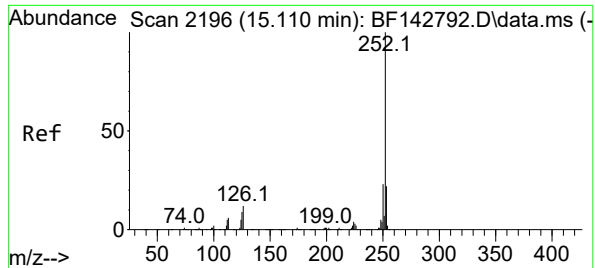
Ion Ratio Lower Upper

264 100

260 23.8 18.1 27.1

265 22.5 16.6 25.0





#88

Benzo(b)fluoranthene

Concen: 2.308 ng m

RT: 15.116 min Scan# 21

Delta R.T. 0.006 min

Lab File: BF143021.D

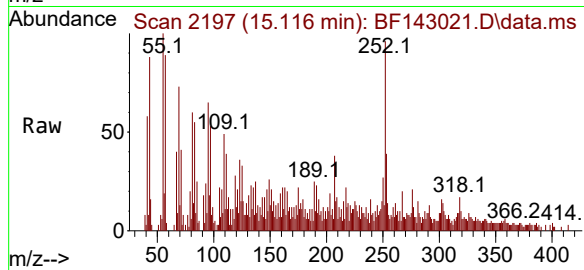
Acq: 07 Jul 2025 21:22

Instrument :

BNA_F

ClientSampleId :

TP-64



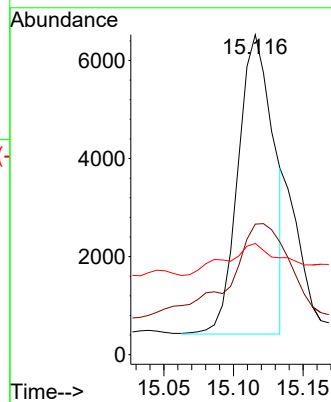
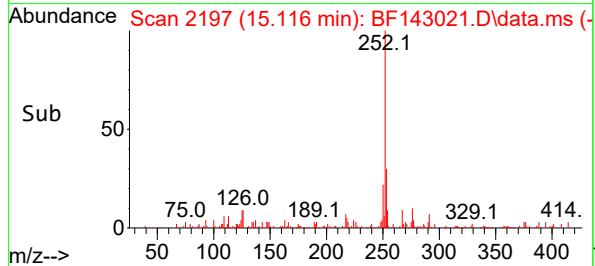
Tgt Ion:252 Resp: 10802

Ion Ratio Lower Upper

252 100

253 40.8 17.5 26.3#

125 34.8 7.4 11.0#



Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF070725\
 Data File : BF143021.D
 Acq On : 07 Jul 2025 21:22
 Operator : RC/JU
 Sample : Q2484-03 5X
 Misc :
 ALS Vial : 20 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 TP-64

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: BF143021.D\data.ms

peak #	R.T. min	first scan	max scan	last scan	PK TY	peak height	corr. area	corr. % max.	% of total
1	5.075	485	490	501	rBB	6610	10122	2.87%	0.360%
2	5.493	557	561	573	rBV	79274	113866	32.26%	4.048%
3	6.510	729	734	744	rBV	71625	107363	30.41%	3.817%
4	6.875	791	796	805	rBV	205254	250366	70.92%	8.901%
5	7.434	887	891	905	rBV	47928	66204	18.75%	2.354%
6	8.157	1009	1014	1043	rVB	239786	302544	85.70%	10.756%
7	9.234	1192	1197	1207	rBV	110809	137768	39.03%	4.898%
8	9.916	1308	1313	1318	rBV	260951	318103	90.11%	11.309%
9	10.334	1378	1384	1389	rBV6	3248	7215	2.04%	0.256%
10	10.563	1419	1423	1427	rVB4	2568	4397	1.25%	0.156%
11	10.628	1427	1434	1439	rBV	23800	31164	8.83%	1.108%
12	10.710	1443	1448	1458	rVV	51774	71408	20.23%	2.539%
13	10.822	1462	1467	1473	rVB4	6079	10593	3.00%	0.377%
14	11.257	1537	1541	1544	rBV3	2471	4160	1.18%	0.148%
15	11.404	1561	1566	1576	rBV	257926	353015	100.00%	12.550%
16	11.739	1619	1623	1627	rVB4	3320	4559	1.29%	0.162%
17	11.933	1649	1656	1661	rBV5	8219	18359	5.20%	0.653%
18	12.022	1667	1671	1679	rVB5	7814	16600	4.70%	0.590%
19	12.098	1680	1684	1689	rBV6	4421	7022	1.99%	0.250%
20	12.145	1689	1692	1696	rBV5	3931	5452	1.54%	0.194%
21	12.386	1730	1733	1737	rBV6	5115	8184	2.32%	0.291%
22	12.457	1742	1745	1747	rBV	9456	11659	3.30%	0.414%
23	12.622	1769	1773	1778	rBV	42013	54961	15.57%	1.954%
24	12.857	1808	1813	1818	rBV	50358	78581	22.26%	2.794%
25	12.992	1831	1836	1843	rBV	130445	178243	50.49%	6.337%
26	14.057	2012	2017	2023	rBV	241209	351703	99.63%	12.503%
27	15.557	2268	2272	2279	rVB	178622	289281	81.95%	10.284%

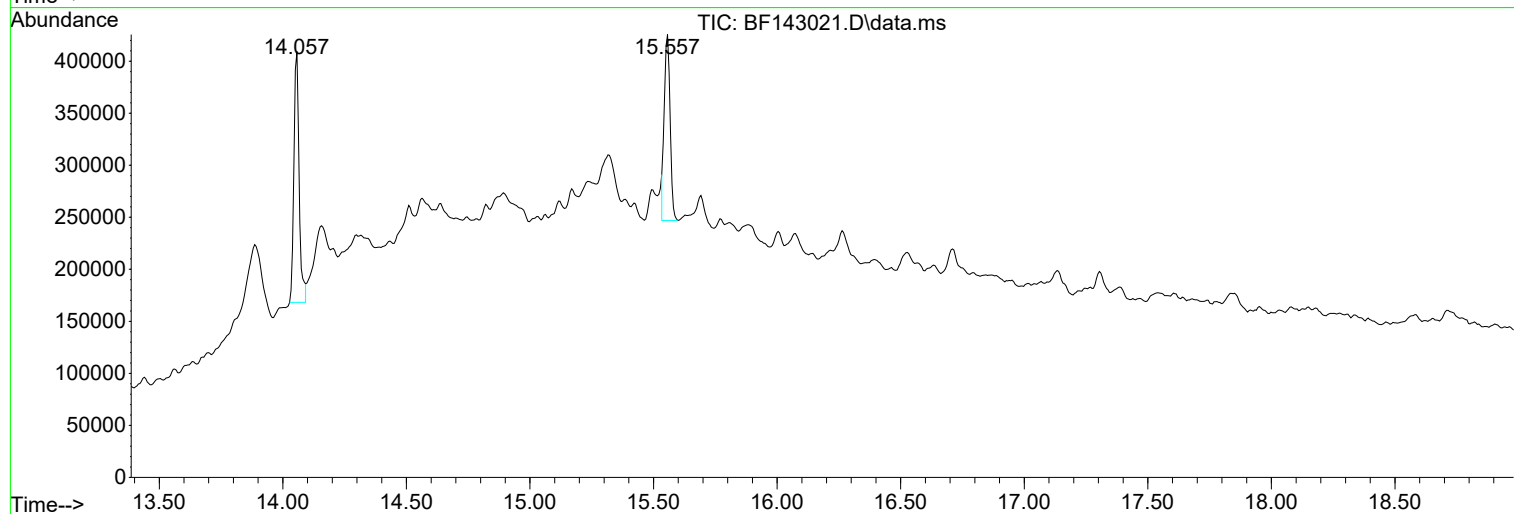
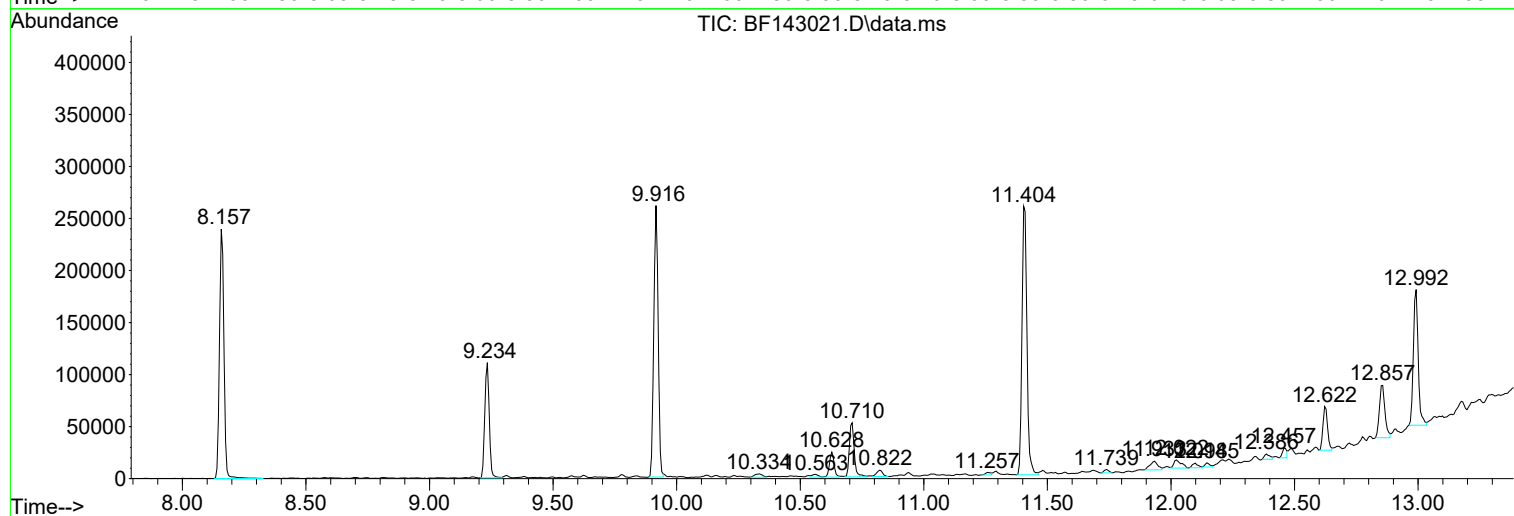
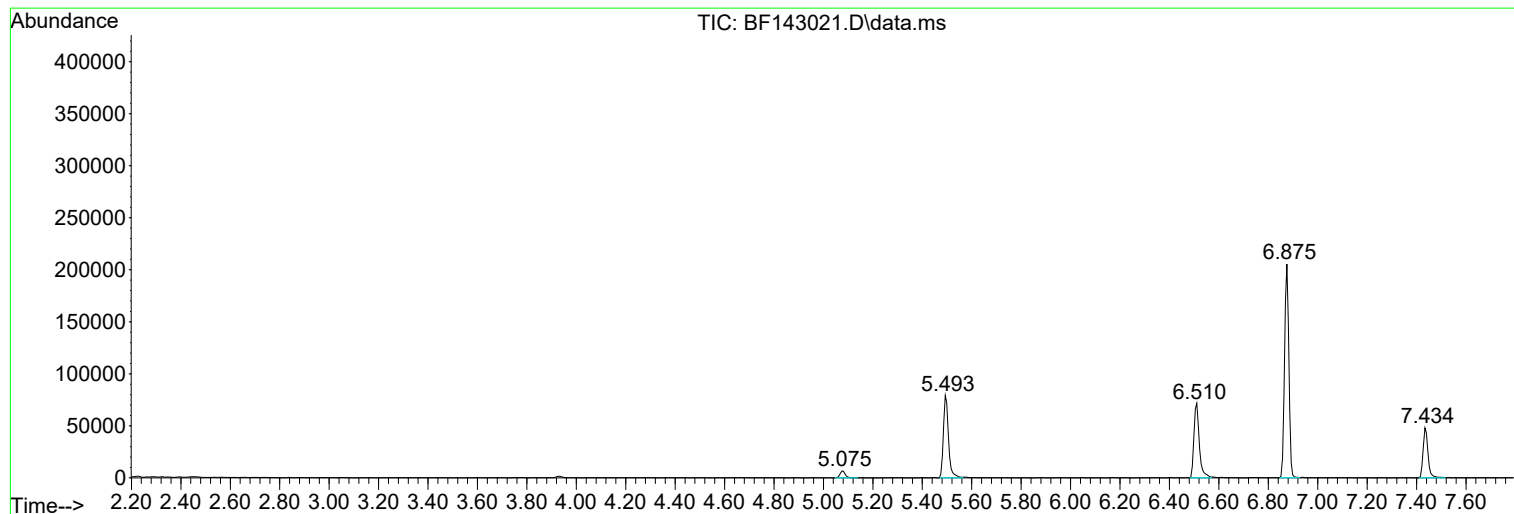
Sum of corrected areas: 2812892

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF070725\
Data File : BF143021.D
Acq On : 07 Jul 2025 21:22
Operator : RC/JU
Sample : Q2484-03 5X
Misc :
ALS Vial : 20 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
TP-64

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\BF070725\
Data File : BF143021.D
Acq On : 07 Jul 2025 21:22
Operator : RC/JU
Sample : Q2484-03 5X
Misc :
ALS Vial : 20 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
TP-64

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

No Library Search Compounds Detected

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF070725\
Data File : BF143021.D
Acq On : 07 Jul 2025 21:22
Operator : RC/JU
Sample : Q2484-03 5X
Misc :
ALS Vial : 20 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
TP-64

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	#	RT	Resp	Conc

Report of Analysis

Client:	CDM Smith	Date Collected:	07/01/25
Project:	South River WM Replacement	Date Received:	07/01/25
Client Sample ID:	TP-107	SDG No.:	Q2484
Lab Sample ID:	Q2484-04	Matrix:	SOIL
Analytical Method:	8270E	% Solid:	83.8
Sample Wt/Vol:	30.03	Units:	g
Soil Aliquot Vol:			uL
Extraction Type :		Decanted :	N
Injection Volume :		GPC Factor :	1.0
Prep Method :	SW3541	Level :	LOW
		Final Vol:	1000 uL
		Test:	SVOC-TCL BNA -20
		GPC Cleanup :	N
		PH :	

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
BF143000.D	1	07/02/25 08:55	07/03/25 16:59	PB168694

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	26.3	U	26.3	200	ug/Kg
111-44-4	bis(2-Chloroethyl)ether	29.0	U	29.0	200	ug/Kg
95-57-8	2-Chlorophenol	29.1	U	29.1	200	ug/Kg
95-48-7	2-Methylphenol	35.6	U	35.6	200	ug/Kg
108-60-1	2,2-oxybis(1-Chloropropane)	44.7	U	44.7	200	ug/Kg
98-86-2	Acetophenone	35.2	U	35.2	200	ug/Kg
65794-96-9	3+4-Methylphenols	49.0	U	49.0	390	ug/Kg
621-64-7	n-Nitroso-di-n-propylamine	56.5	U	56.5	95.4	ug/Kg
67-72-1	Hexachloroethane	21.0	U	21.0	200	ug/Kg
98-95-3	Nitrobenzene	21.8	U	21.8	200	ug/Kg
78-59-1	Isophorone	39.1	U	39.1	200	ug/Kg
88-75-5	2-Nitrophenol	69.4	U	69.4	200	ug/Kg
105-67-9	2,4-Dimethylphenol	77.2	U	77.2	200	ug/Kg
111-91-1	bis(2-Chloroethoxy)methane	36.7	U	36.7	200	ug/Kg
120-83-2	2,4-Dichlorophenol	33.7	U	33.7	200	ug/Kg
91-20-3	Naphthalene	27.1	U	27.1	200	ug/Kg
106-47-8	4-Chloroaniline	42.2	U	42.2	200	ug/Kg
87-68-3	Hexachlorobutadiene	30.2	U	30.2	200	ug/Kg
105-60-2	Caprolactam	62.1	U	62.1	390	ug/Kg
59-50-7	4-Chloro-3-methylphenol	34.2	U	34.2	200	ug/Kg
91-57-6	2-Methylnaphthalene	30.5	U	30.5	200	ug/Kg
77-47-4	Hexachlorocyclopentadiene	140	U	140	390	ug/Kg
88-06-2	2,4,6-Trichlorophenol	23.6	U	23.6	200	ug/Kg
95-95-4	2,4,5-Trichlorophenol	34.7	U	34.7	200	ug/Kg
92-52-4	1,1-Biphenyl	26.0	U	26.0	200	ug/Kg
91-58-7	2-Chloronaphthalene	26.8	U	26.8	200	ug/Kg
88-74-4	2-Nitroaniline	57.3	U	57.3	200	ug/Kg
131-11-3	Dimethylphthalate	32.3	U	32.3	200	ug/Kg

Report of Analysis

Client:	CDM Smith	Date Collected:	07/01/25
Project:	South River WM Replacement	Date Received:	07/01/25
Client Sample ID:	TP-107	SDG No.:	Q2484
Lab Sample ID:	Q2484-04	Matrix:	SOIL
Analytical Method:	8270E	% Solid:	83.8
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
BF143000.D	1	07/02/25 08:55	07/03/25 16:59	PB168694

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units(Dry Weight)
208-96-8	Acenaphthylene	34.5	U	34.5	200	ug/Kg
606-20-2	2,6-Dinitrotoluene	40.1	U	40.1	200	ug/Kg
99-09-2	3-Nitroaniline	54.8	U	54.8	200	ug/Kg
83-32-9	Acenaphthene	25.4	U	25.4	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	27.1	U	27.1	200	ug/Kg
121-14-2	2,4-Dinitrotoluene	59.7	U	59.7	200	ug/Kg
84-66-2	Diethylphthalate	33.7	U	33.7	200	ug/Kg
7005-72-3	4-Chlorophenyl-phenylether	31.8	U	31.8	200	ug/Kg
86-73-7	Fluorene	30.2	U	30.2	200	ug/Kg
100-01-6	4-Nitroaniline	76.5	U	76.5	200	ug/Kg
534-52-1	4,6-Dinitro-2-methylphenol	120	U	120	390	ug/Kg
86-30-6	n-Nitrosodiphenylamine	39.2	U	39.2	200	ug/Kg
101-55-3	4-Bromophenyl-phenylether	33.1	U	33.1	200	ug/Kg
118-74-1	Hexachlorobenzene	30.2	U	30.2	200	ug/Kg
1912-24-9	Atrazine	40.5	U	40.5	200	ug/Kg
87-86-5	Pentachlorophenol	61.2	U	61.2	390	ug/Kg
85-01-8	Phenanthrene	24.9	U	24.9	200	ug/Kg
120-12-7	Anthracene	39.7	U	39.7	200	ug/Kg
86-74-8	Carbazole	37.2	U	37.2	200	ug/Kg
84-74-2	Di-n-butylphthalate	57.1	U	57.1	200	ug/Kg
206-44-0	Fluoranthene	35.8	U	35.8	200	ug/Kg
129-00-0	Pyrene	42.9	U	42.9	200	ug/Kg
85-68-7	Butylbenzylphthalate	85.1	UQ	85.1	200	ug/Kg
91-94-1	3,3-Dichlorobenzidine	43.8	U	43.8	390	ug/Kg
56-55-3	Benzo(a)anthracene	27.4	U	27.4	200	ug/Kg
218-01-9	Chrysene	23.7	U	23.7	200	ug/Kg
117-81-7	Bis(2-ethylhexyl)phthalate	70.6	U	70.6	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:	CDM Smith	Date Collected:	07/01/25
Project:	South River WM Replacement	Date Received:	07/01/25
Client Sample ID:	TP-107	SDG No.:	Q2484
Lab Sample ID:	Q2484-04	Matrix:	SOIL
Analytical Method:	8270E	% Solid:	83.8
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
BF143000.D	1	07/02/25 08:55	07/03/25 16:59	PB168694

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units(Dry Weight)
207-08-9	Benzo(k)fluoranthene	26.7	U	26.7	200	ug/Kg
50-32-8	Benzo(a)pyrene	35.2	U	35.2	200	ug/Kg
193-39-5	Indeno(1,2,3-cd)pyrene	34.7	U	34.7	200	ug/Kg
53-70-3	Dibenzo(a,h)anthracene	32.7	U	32.7	200	ug/Kg
191-24-2	Benzo(g,h,i)perylene	30.6	U	30.6	200	ug/Kg
95-94-3	1,2,4,5-Tetrachlorobenzene	30.5	U	30.5	200	ug/Kg
123-91-1	1,4-Dioxane	53.9	U	53.9	200	ug/Kg
58-90-2	2,3,4,6-Tetrachlorophenol	32.7	U	32.7	200	ug/Kg

SURROGATES

367-12-4	2-Fluorophenol	79.2		18 - 112	53%	SPK: 150
13127-88-3	Phenol-d6	81.0		15 - 107	54%	SPK: 150
4165-60-0	Nitrobenzene-d5	50.0		18 - 107	50%	SPK: 100
321-60-8	2-Fluorobiphenyl	47.6		20 - 109	48%	SPK: 100
118-79-6	2,4,6-Tribromophenol	74.5		10 - 116	50%	SPK: 150
1718-51-0	Terphenyl-d14	37.2		10 - 105	37%	SPK: 100

INTERNAL STANDARDS

3855-82-1	1,4-Dichlorobenzene-d4	72100	6.875
1146-65-2	Naphthalene-d8	273000	8.157
15067-26-2	Acenaphthene-d10	143000	9.91
1517-22-2	Phenanthrene-d10	221000	11.404
1719-03-5	Chrysene-d12	143000	14.051
1520-96-3	Perylene-d12	173000	15.539

TENTATIVE IDENTIFIED COMPOUNDS

000123-42-2	2-Pentanone, 4-hydroxy-4-methyl-	230	AB	5.09	ug/Kg
000119-61-9	Benzophenone	360	J	10.6	ug/Kg
000593-49-7	Heptacosane	110	J	10.8	ug/Kg
000057-10-3	n-Hexadecanoic acid	110	J	11.9	ug/Kg
006222-03-3	Trifluoroacetoxy hexadecane	170	J	13.9	ug/Kg

Report of Analysis

Client:	CDM Smith	Date Collected:	07/01/25
Project:	South River WM Replacement	Date Received:	07/01/25
Client Sample ID:	TP-107	SDG No.:	Q2484
Lab Sample ID:	Q2484-04	Matrix:	SOIL
Analytical Method:	8270E	% Solid:	83.8
Sample Wt/Vol:	30.03	Units:	g
Soil Aliquot Vol:		Final Vol:	1000 uL
Extraction Type :		Test:	SVOC-TCL BNA -20
	Decanted :	Level :	LOW
Injection Volume :	GPC Factor :	1.0	GPC Cleanup : N PH :
Prep Method :	SW3541		

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
BF143000.D	1	07/02/25 08:55	07/03/25 16:59	PB168694

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\BF070325\
Data File : BF143000.D
Acq On : 03 Jul 2025 16:59
Operator : RC/JU
Sample : Q2484-04
Misc :
ALS Vial : 15 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
TP-107

Quant Time: Jul 03 17:27:58 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	72090	20.000	ng	0.00
21) Naphthalene-d8	8.157	136	273008	20.000	ng	-0.01
39) Acenaphthene-d10	9.910	164	142530	20.000	ng	-0.01
64) Phenanthrene-d10	11.404	188	220931	20.000	ng	0.00
76) Chrysene-d12	14.051	240	143481	20.000	ng	0.00
86) Perylene-d12	15.539	264	173151	20.000	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.498	112	342770	79.163	ng	0.00
7) Phenol-d6	6.504	99	413654	80.974	ng	0.00
23) Nitrobenzene-d5	7.433	82	248624	49.952	ng	-0.01
42) 2,4,6-Tribromophenol	10.704	330	109332	74.541	ng	-0.01
45) 2-Fluorobiphenyl	9.233	172	515974	47.556	ng	-0.01
79) Terphenyl-d14	12.986	244	385890	37.161	ng	-0.01

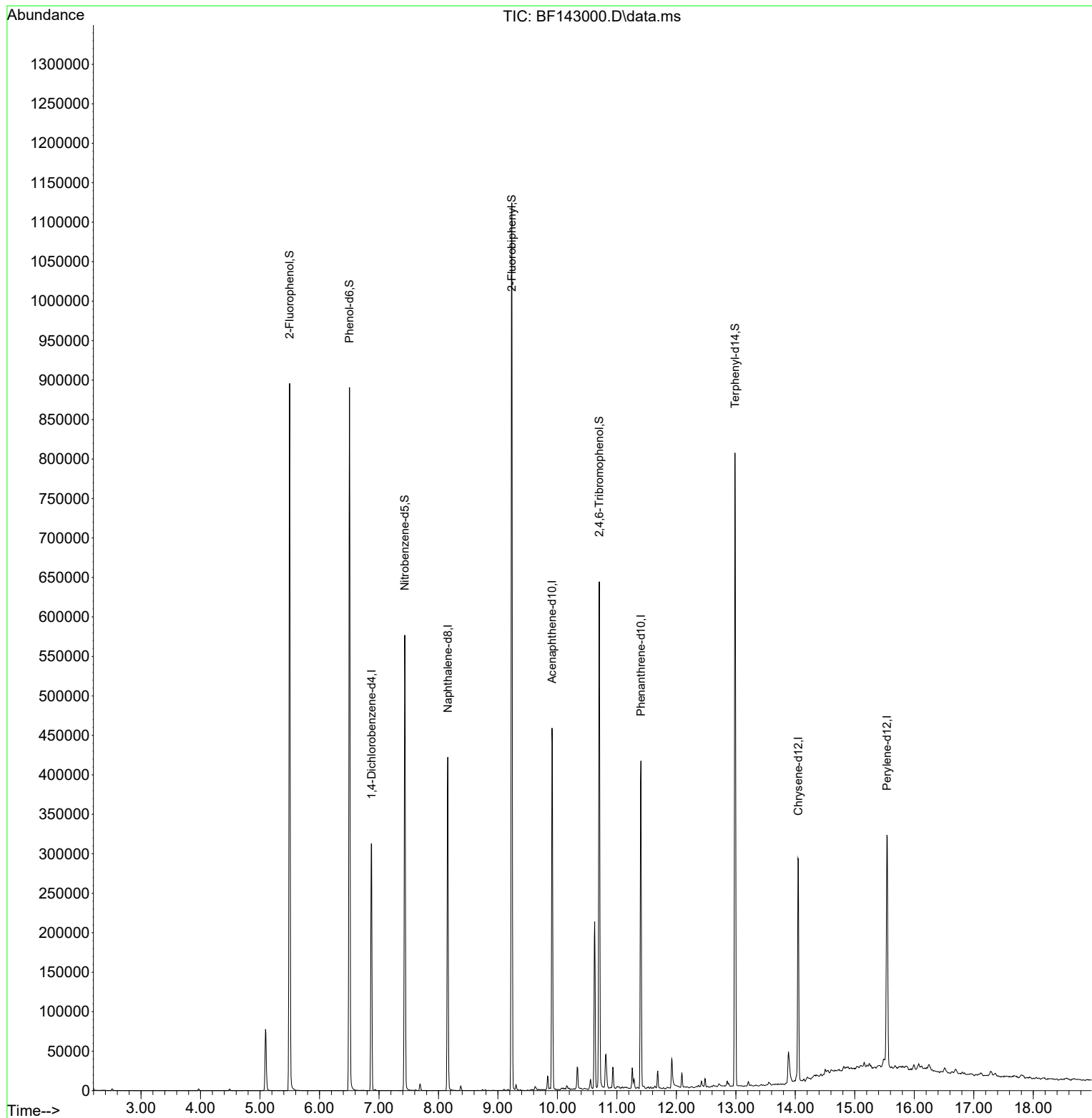
Target Compounds	Qvalue

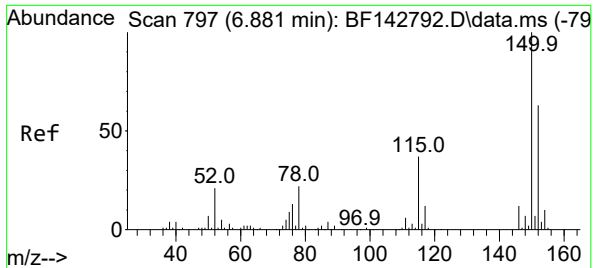
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF070325\
Data File : BF143000.D
Acq On : 03 Jul 2025 16:59
Operator : RC/JU
Sample : Q2484-04
Misc :
ALS Vial : 15 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
TP-107

Quant Time: Jul 03 17:27:58 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

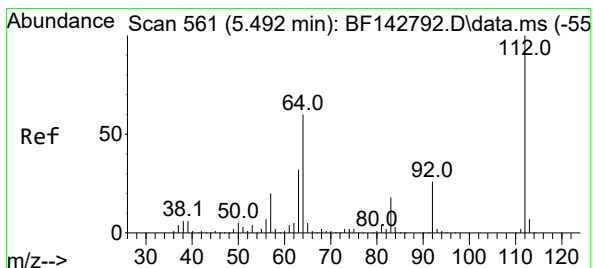
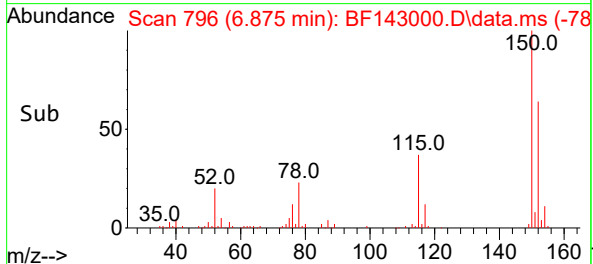
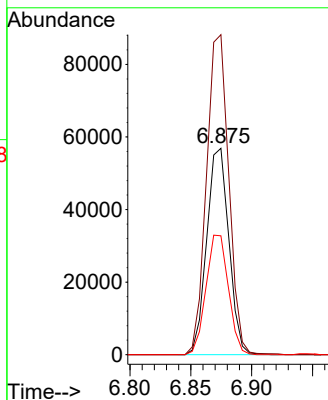
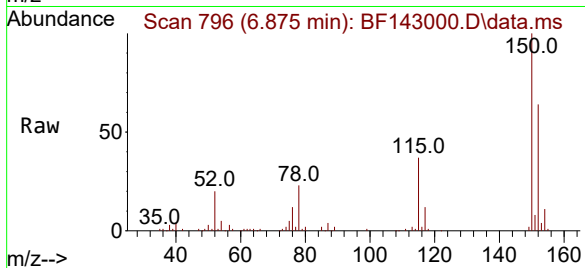




#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.875 min Scan# 797
Delta R.T. -0.006 min
Lab File: BF143000.D
Acq: 03 Jul 2025 16:59

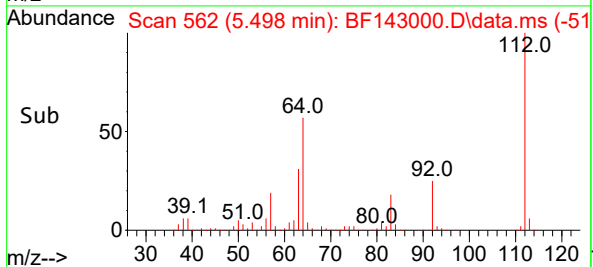
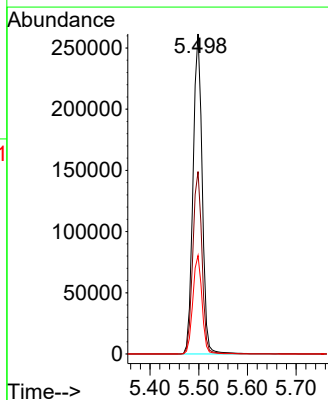
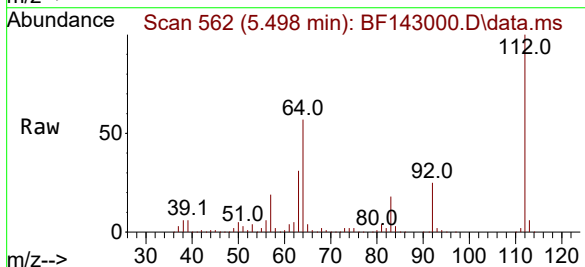
Instrument :
BNA_F
ClientSampleId :
TP-107

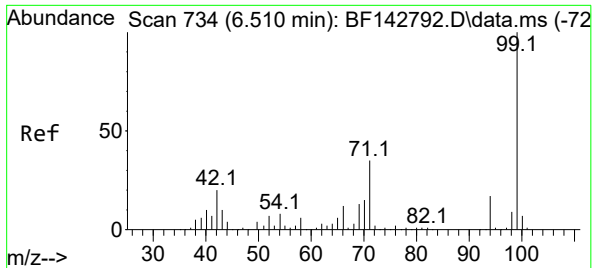
Tgt Ion:152 Resp: 72090
Ion Ratio Lower Upper
152 100
150 155.1 127.2 190.8
115 57.6 46.6 69.8



#5
2-Fluorophenol
Concen: 79.163 ng
RT: 5.498 min Scan# 562
Delta R.T. 0.006 min
Lab File: BF143000.D
Acq: 03 Jul 2025 16:59

Tgt Ion:112 Resp: 342770
Ion Ratio Lower Upper
112 100
64 57.0 48.2 72.2
63 30.7 25.7 38.5

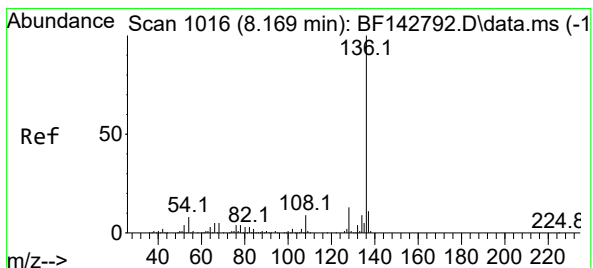
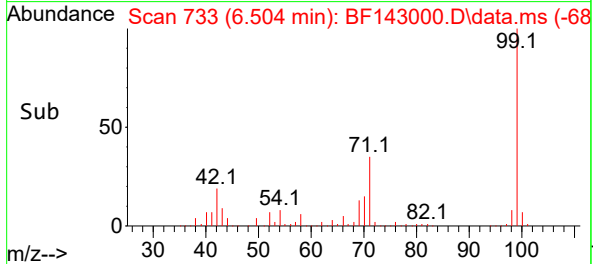
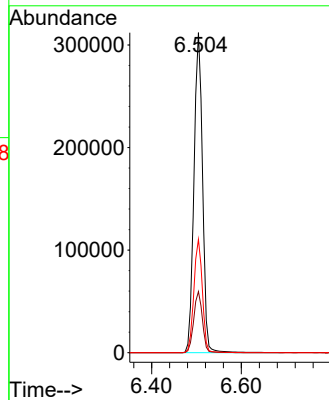
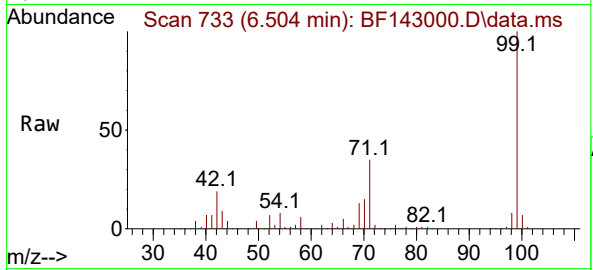




#7
Phenol-d6
Concen: 80.974 ng
RT: 6.504 min Scan# 71
Delta R.T. -0.006 min
Lab File: BF143000.D
Acq: 03 Jul 2025 16:59

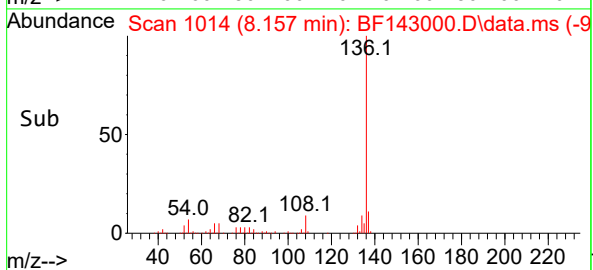
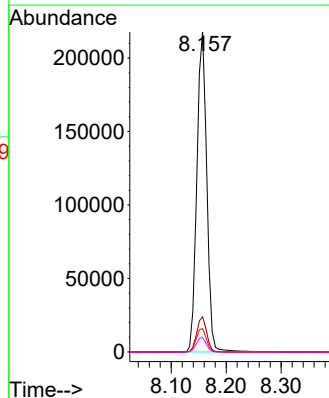
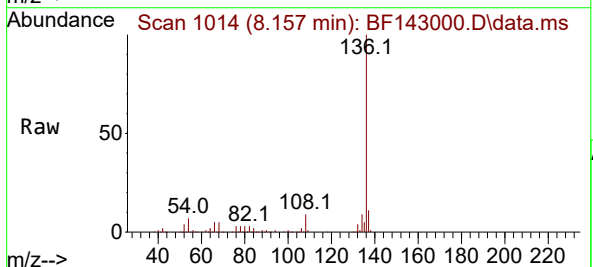
Instrument :
BNA_F
ClientSampleId :
TP-107

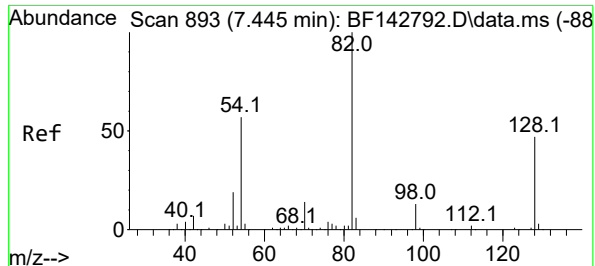
Tgt Ion: 99 Resp: 413654
Ion Ratio Lower Upper
99 100
42 19.1 15.9 23.9
71 35.4 27.8 41.8



#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.157 min Scan# 1014
Delta R.T. -0.012 min
Lab File: BF143000.D
Acq: 03 Jul 2025 16:59

Tgt Ion: 136 Resp: 273008
Ion Ratio Lower Upper
136 100
137 11.0 8.4 12.6
54 7.3 6.3 9.5
68 4.5 3.7 5.5





#23

Nitrobenzene-d5

Concen: 49.952 ng

RT: 7.433 min Scan# 891

Delta R.T. -0.012 min

Lab File: BF143000.D

Acq: 03 Jul 2025 16:59

Instrument :

BNA_F

ClientSampleId :

TP-107

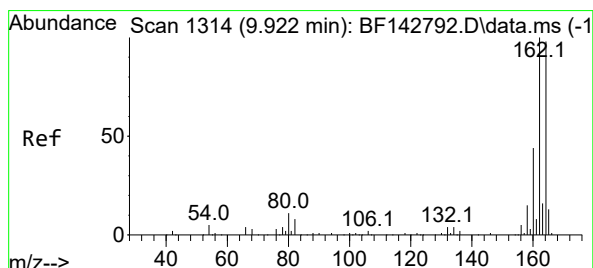
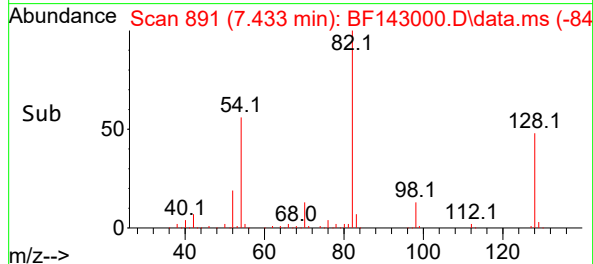
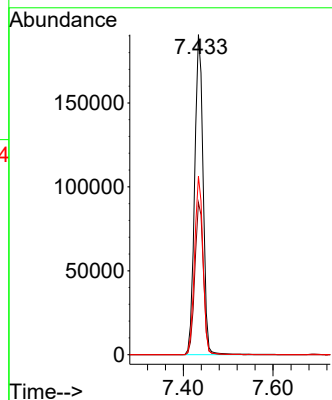
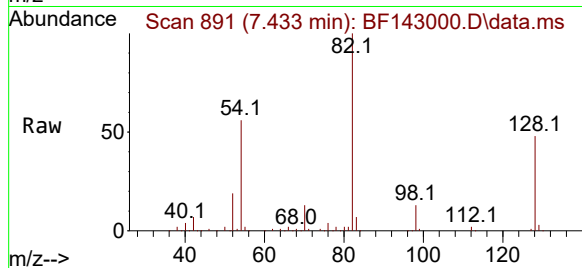
Tgt Ion: 82 Resp: 248624

Ion Ratio Lower Upper

82 100

128 47.5 37.7 56.5

54 55.7 45.7 68.5



#39

Acenaphthene-d10

Concen: 20.000 ng

RT: 9.910 min Scan# 1312

Delta R.T. -0.012 min

Lab File: BF143000.D

Acq: 03 Jul 2025 16:59

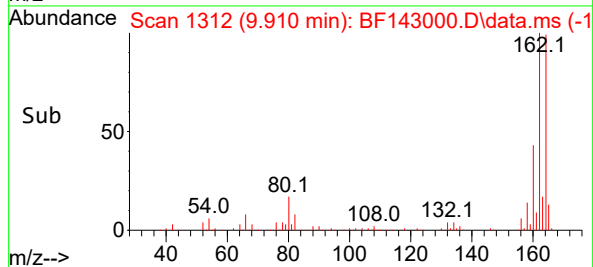
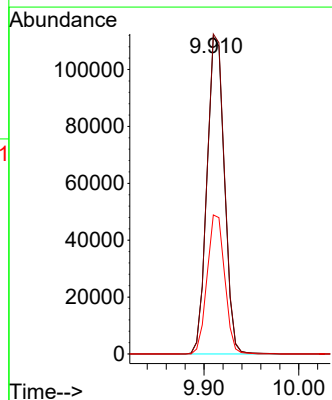
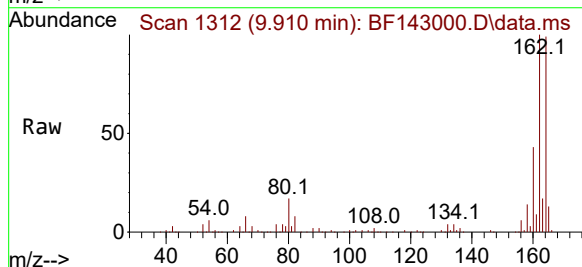
Tgt Ion: 164 Resp: 142530

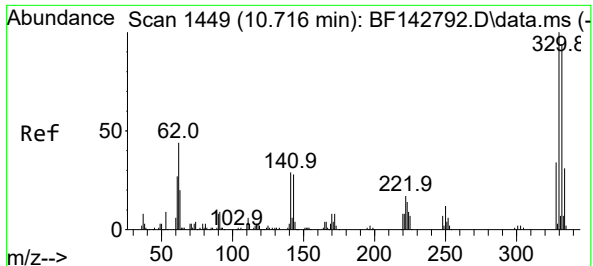
Ion Ratio Lower Upper

164 100

162 100.8 81.8 122.8

160 43.8 36.0 54.0





#42

2,4,6-Tribromophenol

Concen: 74.541 ng

RT: 10.704 min Scan# 1447

Delta R.T. -0.012 min

Lab File: BF143000.D

Acq: 03 Jul 2025 16:59

Instrument :

BNA_F

ClientSampleId :

TP-107

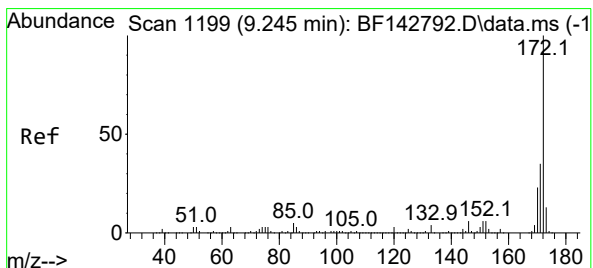
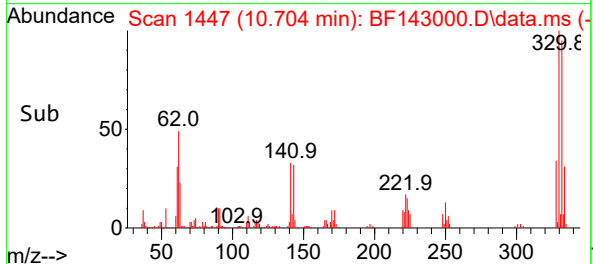
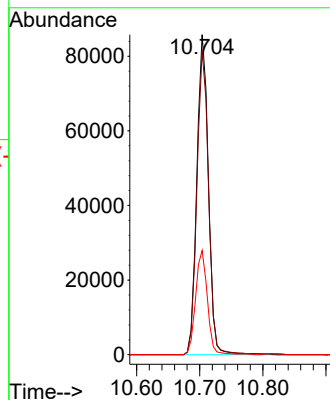
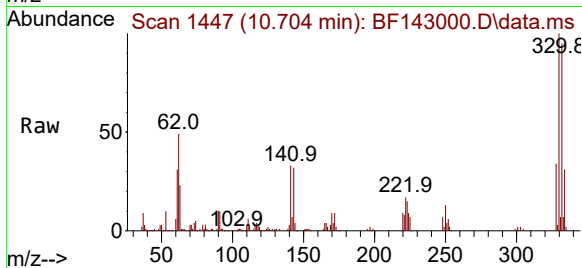
Tgt Ion:330 Resp: 109332

Ion Ratio Lower Upper

330 100

332 95.3 75.0 112.6

141 32.8 25.3 37.9



#45

2-Fluorobiphenyl

Concen: 47.556 ng

RT: 9.233 min Scan# 1197

Delta R.T. -0.012 min

Lab File: BF143000.D

Acq: 03 Jul 2025 16:59

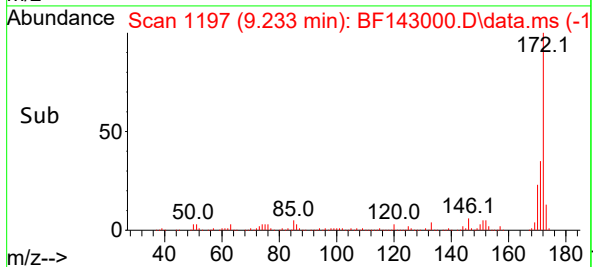
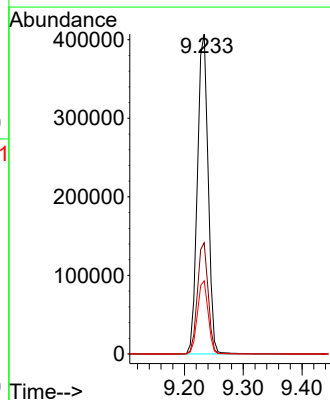
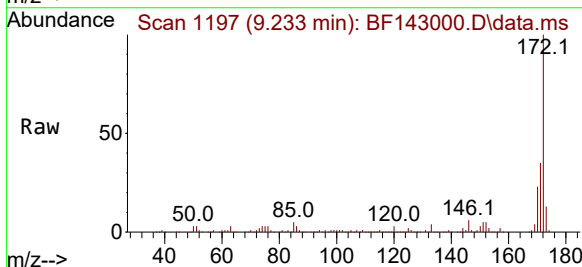
Tgt Ion:172 Resp: 515974

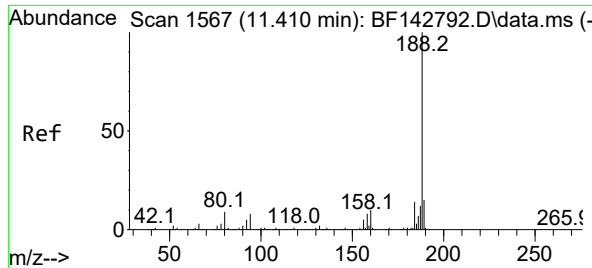
Ion Ratio Lower Upper

172 100

171 34.8 28.2 42.4

170 22.8 18.5 27.7

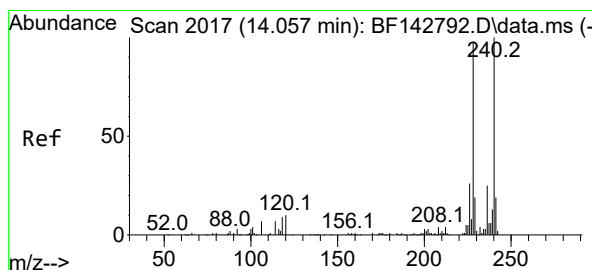
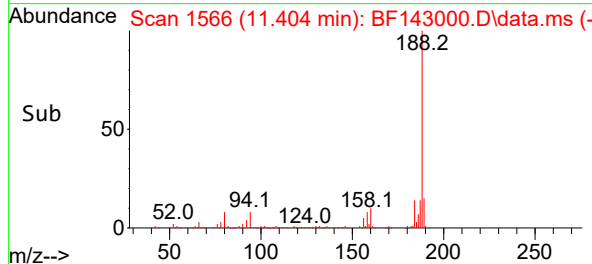
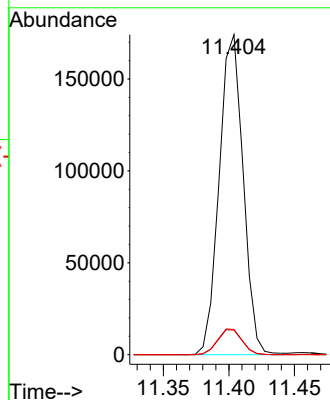
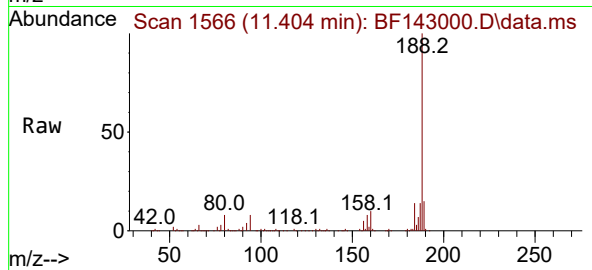




#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.404 min Scan# 11
Delta R.T. -0.006 min
Lab File: BF143000.D
Acq: 03 Jul 2025 16:59

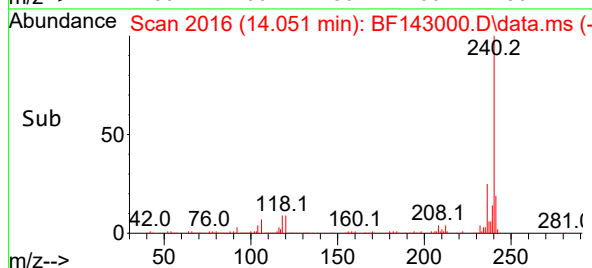
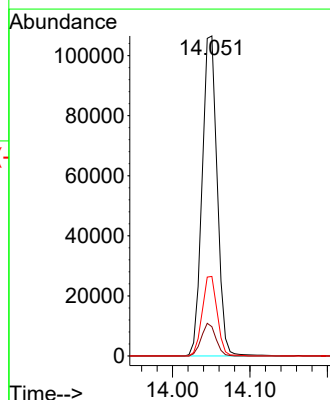
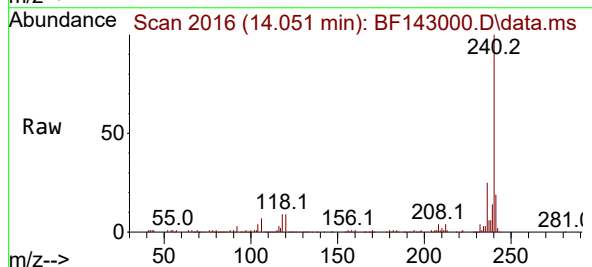
Instrument :
BNA_F
ClientSampleId :
TP-107

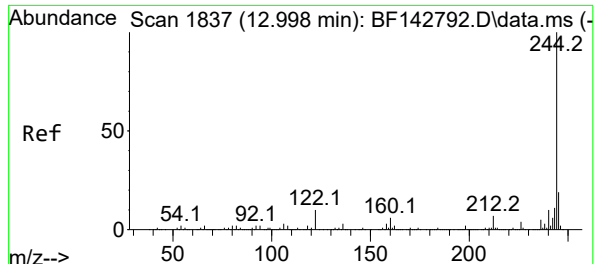
Tgt Ion:188 Resp: 220931
Ion Ratio Lower Upper
188 100
94 7.7 6.7 10.1
80 7.9 6.9 10.3



#76
Chrysene-d12
Concen: 20.000 ng
RT: 14.051 min Scan# 2016
Delta R.T. -0.006 min
Lab File: BF143000.D
Acq: 03 Jul 2025 16:59

Tgt Ion:240 Resp: 143481
Ion Ratio Lower Upper
240 100
120 9.2 8.2 12.2
236 24.9 19.8 29.8





#79

Terphenyl-d14

Concen: 37.161 ng

RT: 12.986 min Scan# 1835

Delta R.T. -0.012 min

Lab File: BF143000.D

Acq: 03 Jul 2025 16:59

Instrument :

BNA_F

ClientSampleId :

TP-107

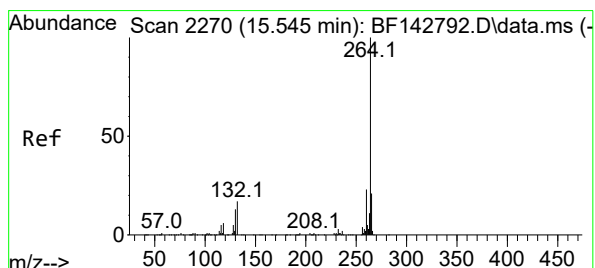
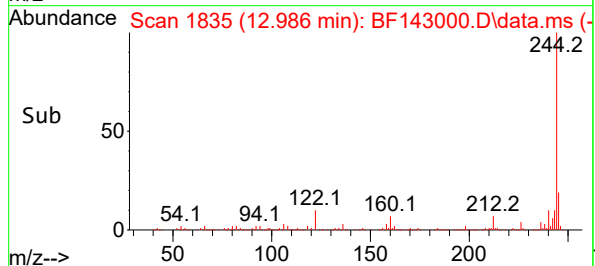
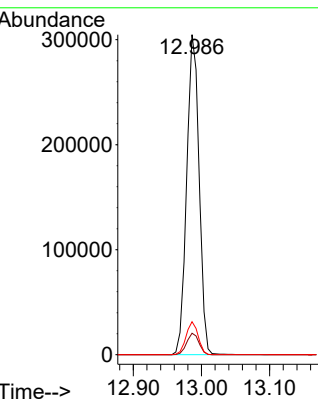
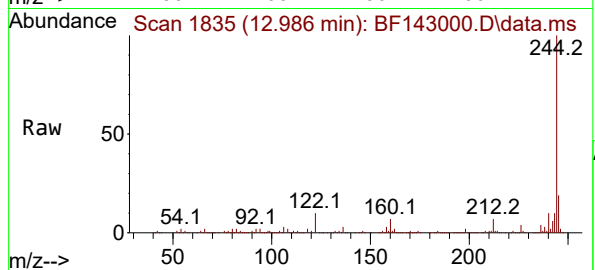
Tgt Ion:244 Resp: 385890

Ion Ratio Lower Upper

244 100

212 6.7 5.4 8.0

122 10.3 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: BF143000.D

Acq: 03 Jul 2025 16:59

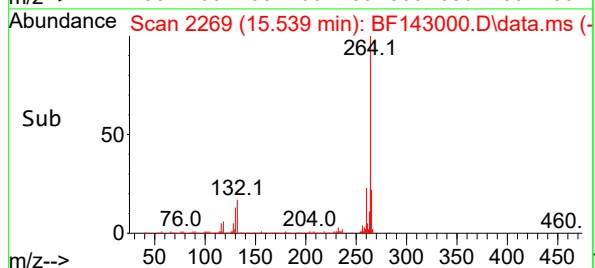
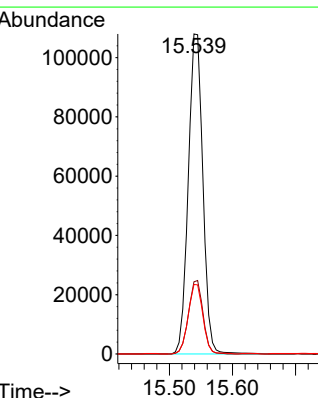
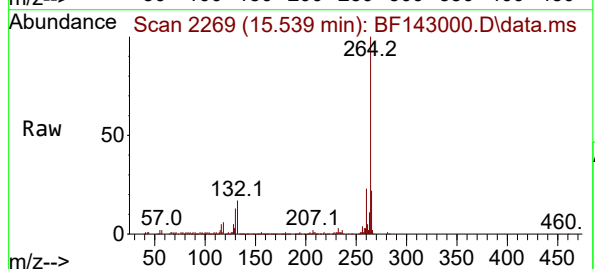
Tgt Ion:264 Resp: 173151

Ion Ratio Lower Upper

264 100

260 22.5 18.1 27.1

265 21.7 16.6 25.0



Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF070325\
Data File : BF143000.D
Acq On : 03 Jul 2025 16:59
Operator : RC/JU
Sample : Q2484-04
Misc :
ALS Vial : 15 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
TP-107

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: BF143000.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	488	493	506	rVB	77532	117315	8.23%	1.166%
2	5.498	556	562	581	rBV	895880	1169657	82.06%	11.622%
3	6.504	727	733	752	rBV	890538	1183670	83.05%	11.761%
4	6.875	791	796	801	rBV	312647	398972	27.99%	3.964%
5	7.433	885	891	896	rBV	576836	744160	52.21%	7.394%
6	8.157	1009	1014	1034	rVB	422024	524554	36.80%	5.212%
7	9.233	1191	1197	1202	rBV	1124630	1425320	100.00%	14.162%
8	9.833	1294	1299	1303	rBV	17135	21934	1.54%	0.218%
9	9.910	1308	1312	1321	rVB	457588	580919	40.76%	5.772%
10	10.333	1377	1384	1389	rBV	27999	38790	2.72%	0.385%
11	10.557	1416	1422	1428	rBV	12318	19655	1.38%	0.195%
12	10.627	1429	1434	1440	rVV	212110	266729	18.71%	2.650%
13	10.704	1442	1447	1460	rVV	642304	820887	57.59%	8.157%
14	10.816	1461	1466	1474	rVB2	42833	75896	5.32%	0.754%
15	10.933	1482	1486	1492	rVB	26893	33782	2.37%	0.336%
16	11.257	1537	1541	1544	rBV	25941	32021	2.25%	0.318%
17	11.404	1561	1566	1571	rBV	414878	528045	37.05%	5.247%
18	11.686	1610	1614	1620	rVB	21673	25663	1.80%	0.255%
19	11.921	1650	1654	1677	rBV	37056	76220	5.35%	0.757%
20	12.092	1679	1683	1688	rVV	18523	22196	1.56%	0.221%
21	12.986	1830	1835	1840	rBV	801754	1004698	70.49%	9.983%
22	13.886	1983	1988	1999	rBV	39028	84178	5.91%	0.836%
23	14.045	2007	2015	2023	rBV	282011	385415	27.04%	3.830%
24	15.539	2264	2269	2280	rVB	295024	483490	33.92%	4.804%

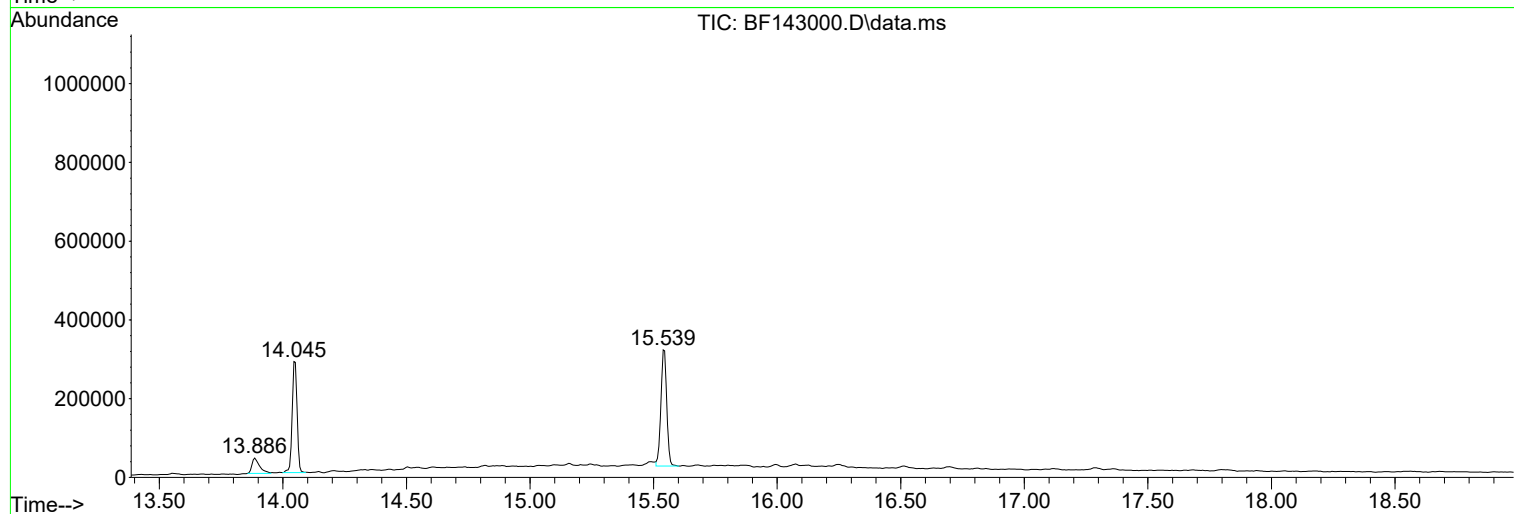
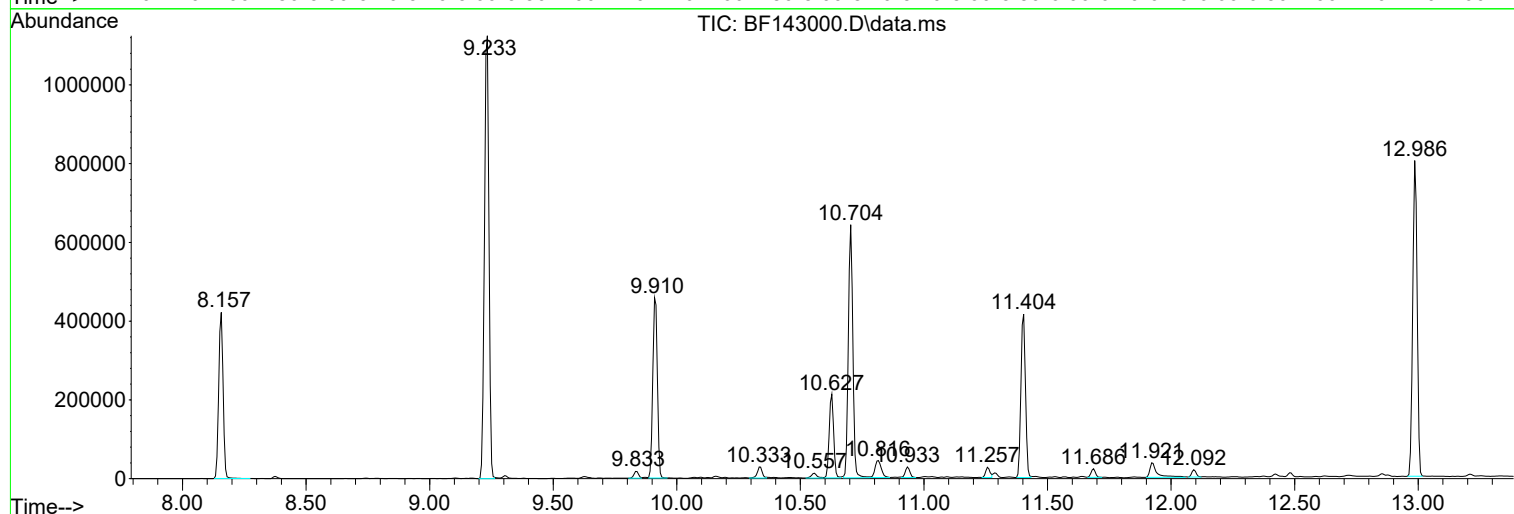
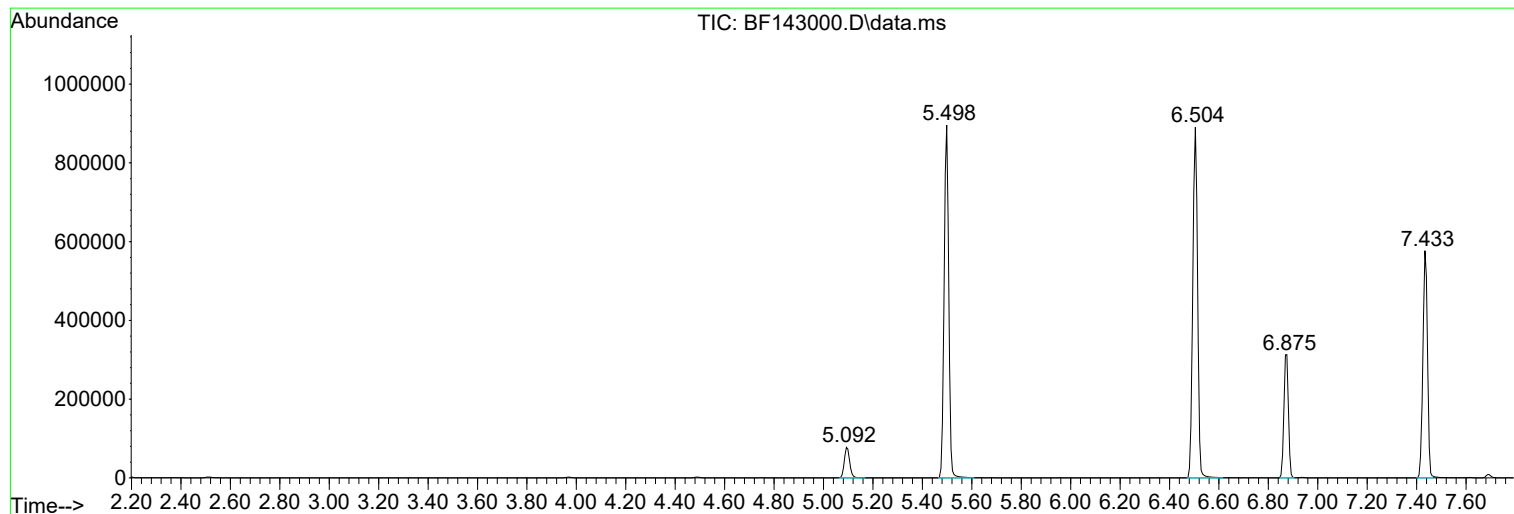
Sum of corrected areas: 10064166

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF070325\
Data File : BF143000.D
Acq On : 03 Jul 2025 16:59
Operator : RC/JU
Sample : Q2484-04
Misc :
ALS Vial : 15 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
TP-107

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\BF070325\
Data File : BF143000.D
Acq On : 03 Jul 2025 16:59
Operator : RC/JU
Sample : Q2484-04
Misc :
ALS Vial : 15 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
TP-107

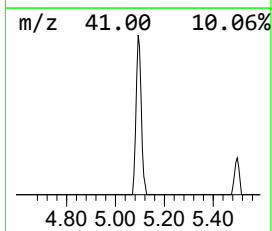
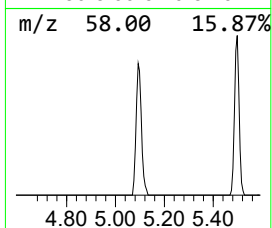
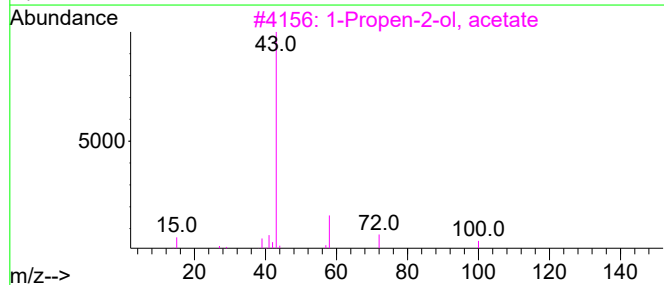
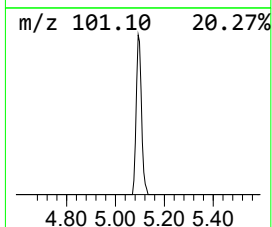
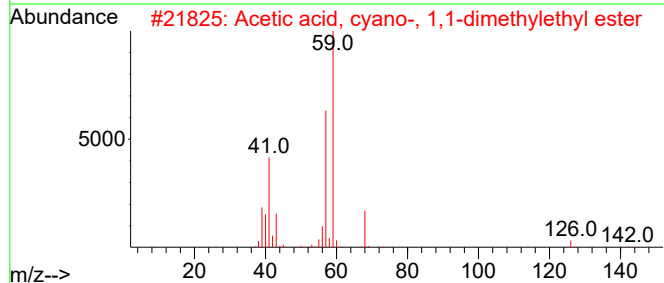
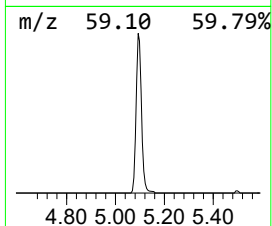
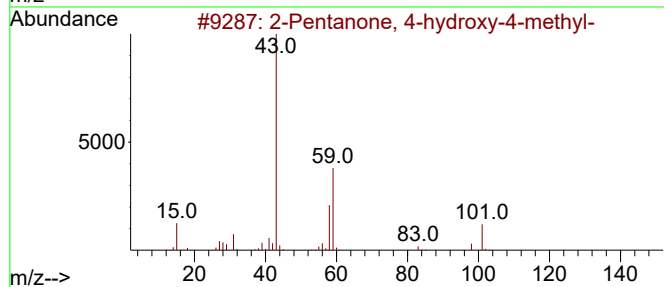
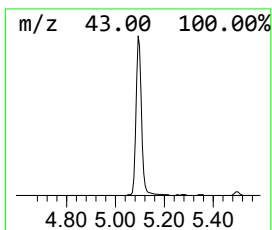
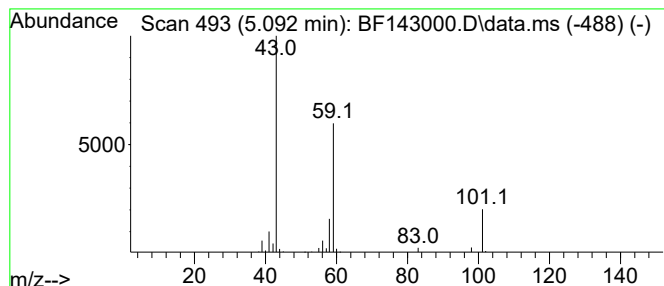
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF061925.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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	5.88 ng	117315	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	72		
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	3-Hexanol, 4-methyl-	116	C7H16O	000615-29-2	9		



Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF070325\
Data File : BF143000.D
Acq On : 03 Jul 2025 16:59
Operator : RC/JU
Sample : Q2484-04
Misc :
ALS Vial : 15 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
TP-107

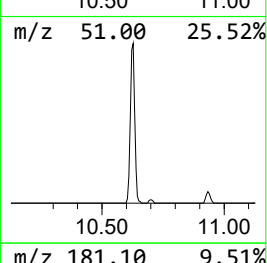
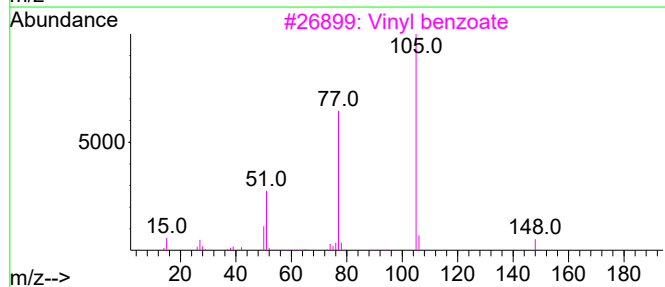
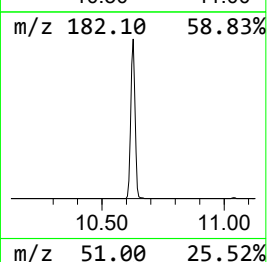
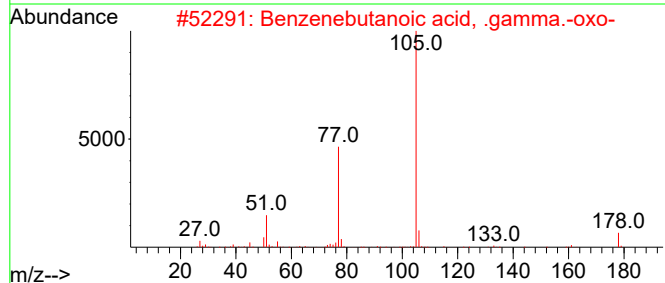
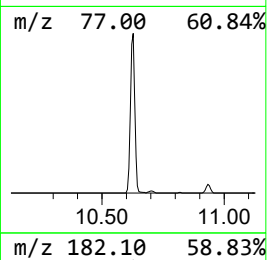
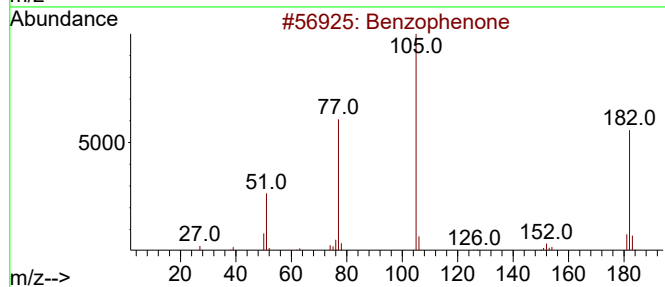
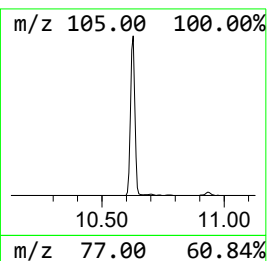
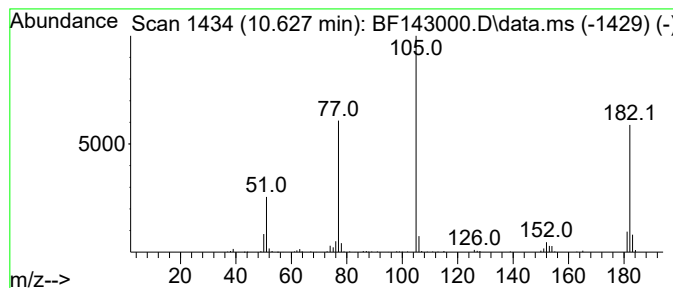
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF061925.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 2 Benzophenone Concentration Rank 1

R.T.	EstConc	Area	Relative to ISTD	R.T.
10.627	9.18 ng	266729	Acenaphthene-d10	9.910

Hit#	of	5	Tentative ID	MW	MolForm	CAS#	Qual
1			Benzophenone	182	C13H10O	000119-61-9	96
2			Benzenebutanoic acid, .gamma.-oxo-	178	C10H10O3	002051-95-8	47
3			Vinyl benzoate	148	C9H8O2	000769-78-8	47
4			N-Methylbenzamide, N-trifluoroac...	231	C10H8F3NO2	1000446-91-5	47
5			Pentafluoroethyl phenyl ketone	224	C9H5F5O	000394-52-5	47



Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF070325\
Data File : BF143000.D
Acq On : 03 Jul 2025 16:59
Operator : RC/JU
Sample : Q2484-04
Misc :
ALS Vial : 15 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
TP-107

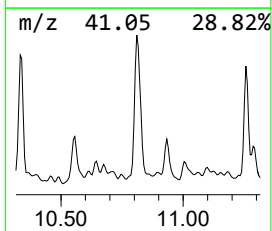
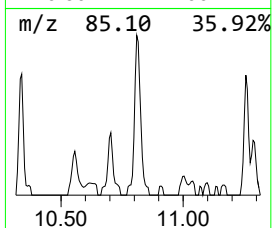
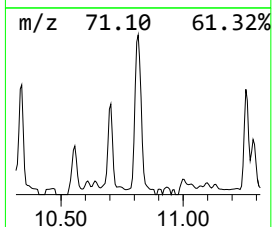
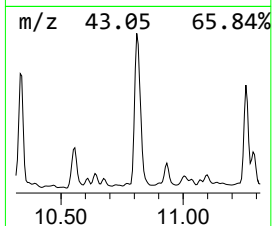
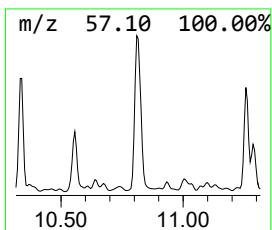
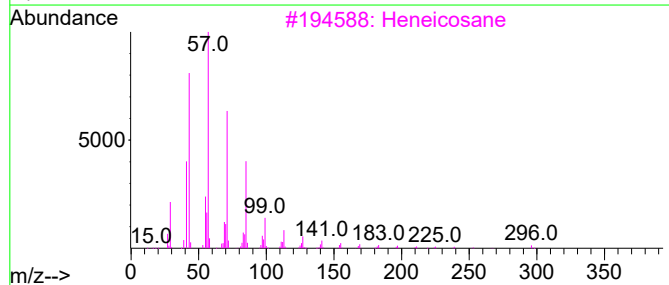
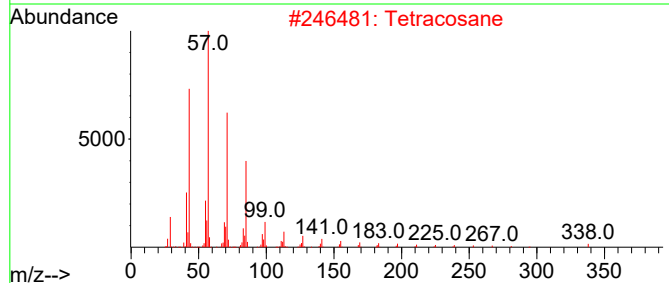
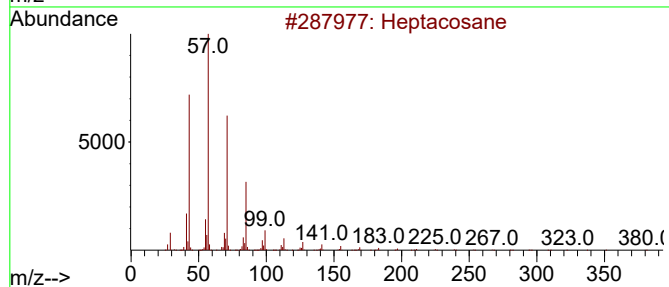
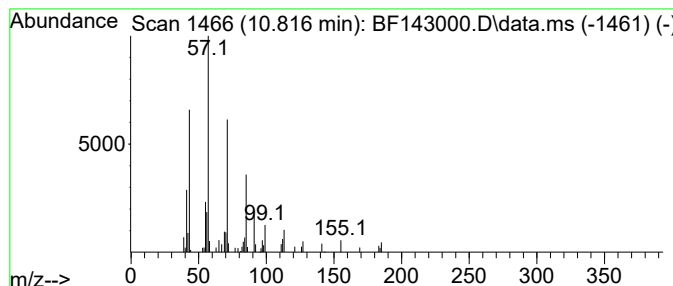
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF061925.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 3 Heptacosane Concentration Rank 5

R.T.	EstConc	Area	Relative to ISTD	R.T.
10.816	2.87 ng	75896	Phenanthrene-d10	11.404

Hit#	of	5	Tentative ID	MW	MolForm	CAS#	Qual
1			Heptacosane	380	C27H56	000593-49-7	87
2			Tetracosane	338	C24H50	000646-31-1	87
3			Heneicosane	296	C21H44	000629-94-7	87
4			Heptadecane, 2,6,10,15-tetramethyl-	296	C21H44	054833-48-6	87
5			Tridecane, 1-iodo-	310	C13H27I	035599-77-0	86



Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF070325\
Data File : BF143000.D
Acq On : 03 Jul 2025 16:59
Operator : RC/JU
Sample : Q2484-04
Misc :
ALS Vial : 15 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
TP-107

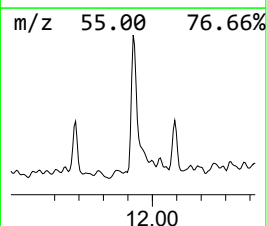
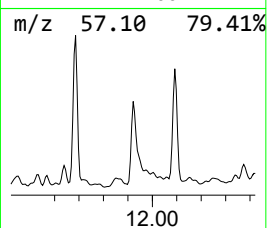
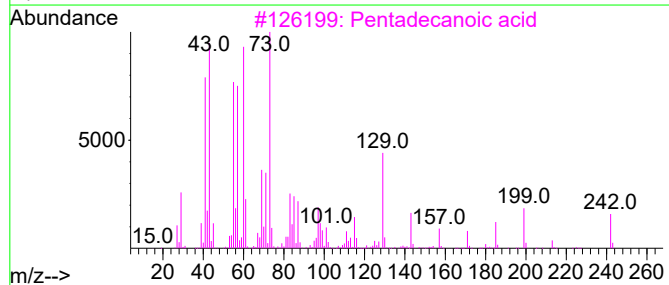
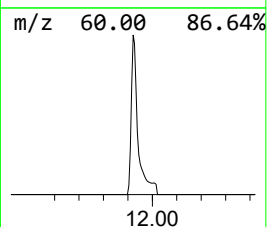
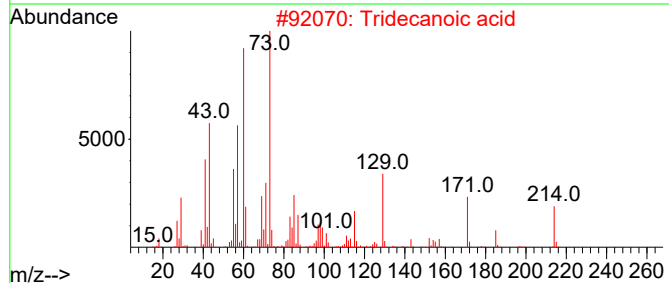
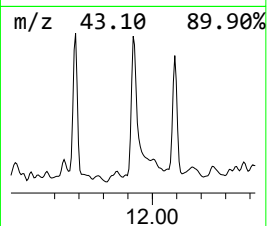
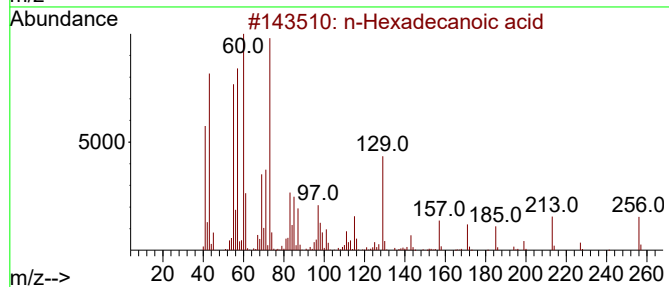
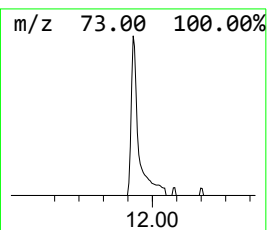
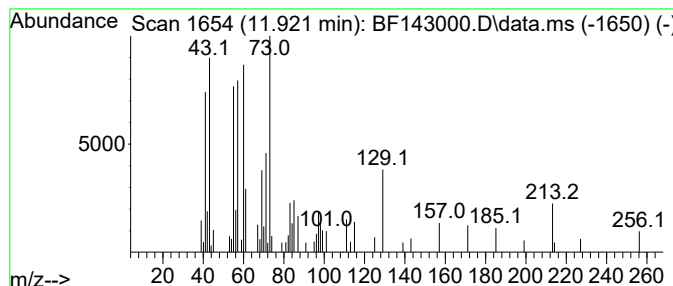
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF061925.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 4 n-Hexadecanoic acid Concentration Rank 4

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.921	2.89 ng	76220	Phenanthrene-d10	11.404

Hit#	of	5	Tentative ID	MW	MolForm	CAS#	Qual
1			n-Hexadecanoic acid	256	C16H32O2	000057-10-3	97
2			Tridecanoic acid	214	C13H26O2	000638-53-9	68
3			Pentadecanoic acid	242	C15H30O2	001002-84-2	68
4			Decanoic acid, silver(1+) salt	278	C10H19AgO2	013126-67-5	64
5			Tetradecanoic acid	228	C14H28O2	000544-63-8	58



Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF070325\
Data File : BF143000.D
Acq On : 03 Jul 2025 16:59
Operator : RC/JU
Sample : Q2484-04
Misc :
ALS Vial : 15 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
TP-107

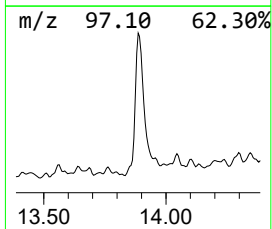
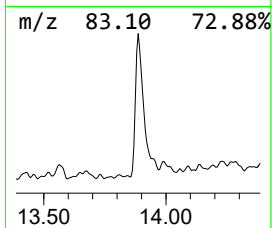
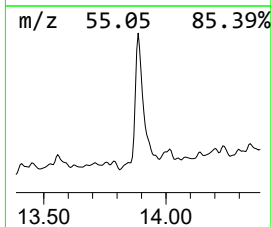
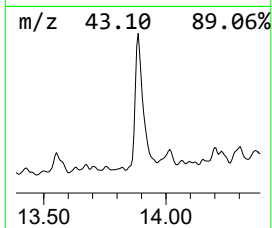
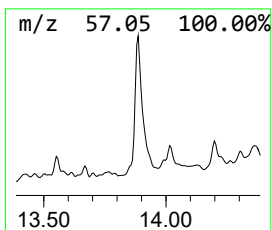
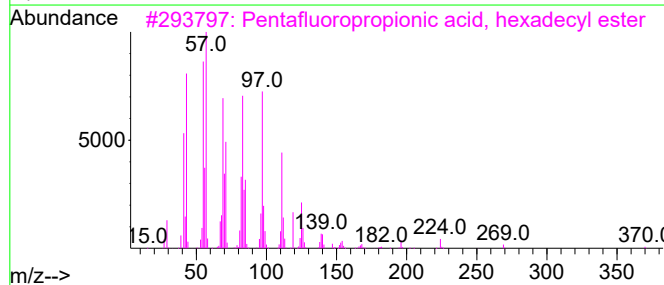
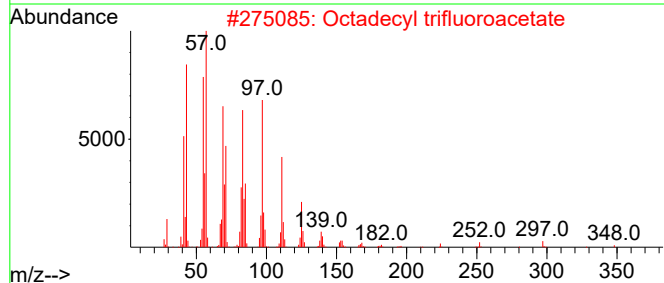
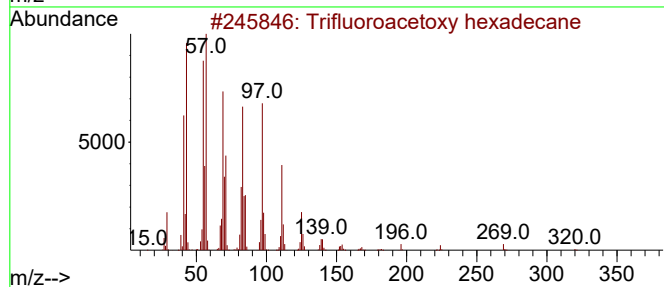
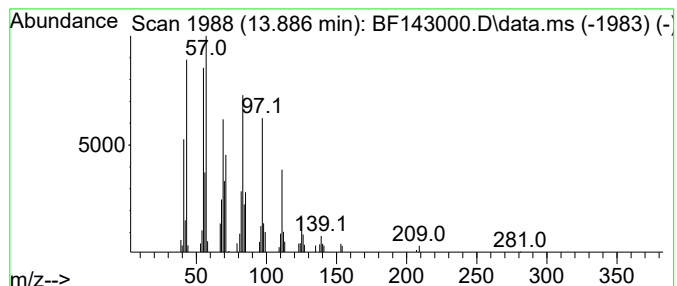
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF061925.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 5 Trifluoroacetoxy hexadecane Concentration Rank 3

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.886	4.37 ng	84178	Chrysene-d12	14.051

Hit#	of	5	Tentative ID	MW	MolForm	CAS#	Qual
1			Trifluoroacetoxy hexadecane	338	C18H33F3O2	006222-03-3	95
2			Octadecyl trifluoroacetate	366	C20H37F3O2	079392-43-1	95
3			Pentafluoropropionic acid, hexad...	388	C19H33F5O2	006222-07-7	95
4			Heptadecyl heptafluorobutyrate	452	C21H35F7O2	959085-66-6	95
5			Pentafluoropropionic acid, hepta...	402	C20H35F5O2	959218-78-1	95



Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF070325\
Data File : BF143000.D
Acq On : 03 Jul 2025 16:59
Operator : RC/JU
Sample : Q2484-04
Misc :
ALS Vial : 15 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
TP-107

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	5.9	ng	117315	1	6.875	398972	20.0
Benzophenone	10.627	9.2	ng	266729	3	9.910	580919	20.0
Heptacosane	10.816	2.9	ng	75896	4	11.404	528045	20.0
n-Hexadecanoic ...	11.921	2.9	ng	76220	4	11.404	528045	20.0
Trifluoroacetox...	13.886	4.4	ng	84178	5	14.051	385415	20.0

Report of Analysis

Client:	CDM Smith	Date Collected:	07/01/25
Project:	South River WM Replacement	Date Received:	07/01/25
Client Sample ID:	TP-106	SDG No.:	Q2484
Lab Sample ID:	Q2484-05	Matrix:	SOIL
Analytical Method:	8270E	% Solid:	87.9
Sample Wt/Vol:	30.06	Units:	g
Soil Aliquot Vol:			uL
Extraction Type :		Decanted :	N
Injection Volume :		GPC Factor :	1.0
Prep Method :	SW3541	Level :	LOW
		Test:	SVOC-TCL BNA -20
		Final Vol:	1000
		PH :	
		GPC Cleanup :	N

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
BF142997.D	1	07/02/25 08:55	07/03/25 15:27	PB168694

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units(Dry Weight)
TARGETS						
100-52-7	Benzaldehyde	180	U	180	370	ug/Kg
108-95-2	Phenol	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	33.9	U	33.9	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	370	ug/Kg
621-64-7	n-Nitroso-di-n-propylamine	53.8	U	53.8	90.8	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	37.2	U	37.2	190	ug/Kg
88-75-5	2-Nitrophenol	66.1	U	66.1	190	ug/Kg
105-67-9	2,4-Dimethylphenol	73.6	U	73.6	190	ug/Kg
111-91-1	bis(2-Chloroethoxy)methane	35.0	U	35.0	190	ug/Kg
120-83-2	2,4-Dichlorophenol	32.1	U	32.1	190	ug/Kg
91-20-3	Naphthalene	25.8	U	25.8	190	ug/Kg
106-47-8	4-Chloroaniline	40.2	U	40.2	190	ug/Kg
87-68-3	Hexachlorobutadiene	28.7	U	28.7	190	ug/Kg
105-60-2	Caprolactam	59.2	U	59.2	370	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	370	ug/Kg
88-06-2	2,4,6-Trichlorophenol	22.5	U	22.5	190	ug/Kg
95-95-4	2,4,5-Trichlorophenol	33.0	U	33.0	190	ug/Kg
92-52-4	1,1-Biphenyl	24.8	U	24.8	190	ug/Kg
91-58-7	2-Chloronaphthalene	25.5	U	25.5	190	ug/Kg
88-74-4	2-Nitroaniline	54.6	U	54.6	190	ug/Kg
131-11-3	Dimethylphthalate	30.8	U	30.8	190	ug/Kg

Report of Analysis

Client:	CDM Smith	Date Collected:	07/01/25
Project:	South River WM Replacement	Date Received:	07/01/25
Client Sample ID:	TP-106	SDG No.:	Q2484
Lab Sample ID:	Q2484-05	Matrix:	SOIL
Analytical Method:	8270E	% Solid:	87.9
Sample Wt/Vol:	30.06	Units:	g
Soil Aliquot Vol:			uL
Extraction Type :		Decanted :	N
Injection Volume :		GPC Factor :	1.0
Prep Method :	SW3541	Level :	LOW
		Final Vol:	1000
		Test:	SVOC-TCL BNA -20
		GPC Cleanup :	N
		PH :	

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
BF142997.D	1	07/02/25 08:55	07/03/25 15:27	PB168694

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units(Dry Weight)
208-96-8	Acenaphthylene	32.8	U	32.8	190	ug/Kg
606-20-2	2,6-Dinitrotoluene	38.1	U	38.1	190	ug/Kg
99-09-2	3-Nitroaniline	52.2	U	52.2	190	ug/Kg
83-32-9	Acenaphthene	24.2	U	24.2	190	ug/Kg
51-28-5	2,4-Dinitrophenol	260	U	260	370	ug/Kg
100-02-7	4-Nitrophenol	120	U	120	370	ug/Kg
132-64-9	Dibenzofuran	25.8	U	25.8	190	ug/Kg
121-14-2	2,4-Dinitrotoluene	56.9	U	56.9	190	ug/Kg
84-66-2	Diethylphthalate	32.1	U	32.1	190	ug/Kg
7005-72-3	4-Chlorophenyl-phenylether	30.3	U	30.3	190	ug/Kg
86-73-7	Fluorene	28.7	U	28.7	190	ug/Kg
100-01-6	4-Nitroaniline	72.9	U	72.9	190	ug/Kg
534-52-1	4,6-Dinitro-2-methylphenol	120	U	120	370	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	28.7	U	28.7	190	ug/Kg
1912-24-9	Atrazine	38.6	U	38.6	190	ug/Kg
87-86-5	Pentachlorophenol	58.2	U	58.2	370	ug/Kg
85-01-8	Phenanthrene	23.7	U	23.7	190	ug/Kg
120-12-7	Anthracene	37.8	U	37.8	190	ug/Kg
86-74-8	Carbazole	35.4	U	35.4	190	ug/Kg
84-74-2	Di-n-butylphthalate	54.4	U	54.4	190	ug/Kg
206-44-0	Fluoranthene	34.1	U	34.1	190	ug/Kg
129-00-0	Pyrene	40.9	U	40.9	190	ug/Kg
85-68-7	Butylbenzylphthalate	81.1	UQ	81.1	190	ug/Kg
91-94-1	3,3-Dichlorobenzidine	41.7	U	41.7	370	ug/Kg
56-55-3	Benzo(a)anthracene	26.1	U	26.1	190	ug/Kg
218-01-9	Chrysene	22.6	U	22.6	190	ug/Kg
117-81-7	Bis(2-ethylhexyl)phthalate	67.2	U	67.2	190	ug/Kg
117-84-0	Di-n-octyl phthalate	98.6	U	98.6	370	ug/Kg
205-99-2	Benzo(b)fluoranthene	21.6	U	21.6	190	ug/Kg

Report of Analysis

Client:	CDM Smith	Date Collected:	07/01/25
Project:	South River WM Replacement	Date Received:	07/01/25
Client Sample ID:	TP-106	SDG No.:	Q2484
Lab Sample ID:	Q2484-05	Matrix:	SOIL
Analytical Method:	8270E	% Solid:	87.9
Sample Wt/Vol:	30.06 Units: g	Final Vol:	1000 uL
Soil Aliquot Vol:	uL	Test:	SVOC-TCL BNA -20
Extraction Type :	Decanted : N	Level :	LOW
Injection Volume :	GPC Factor : 1.0	GPC Cleanup :	N PH :
Prep Method :	SW3541		

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
BF142997.D	1	07/02/25 08:55	07/03/25 15:27	PB168694

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units(Dry Weight)
207-08-9	Benzo(k)fluoranthene	25.4	U	25.4	190	ug/Kg
50-32-8	Benzo(a)pyrene	33.5	U	33.5	190	ug/Kg
193-39-5	Indeno(1,2,3-cd)pyrene	33.0	U	33.0	190	ug/Kg
53-70-3	Dibenzo(a,h)anthracene	31.1	U	31.1	190	ug/Kg
191-24-2	Benzo(g,h,i)perylene	29.2	U	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	51.3	U	51.3	190	ug/Kg
58-90-2	2,3,4,6-Tetrachlorophenol	31.1	U	31.1	190	ug/Kg

SURROGATES

367-12-4	2-Fluorophenol	72.7		18 - 112	48%	SPK: 150
13127-88-3	Phenol-d6	74.9		15 - 107	50%	SPK: 150
4165-60-0	Nitrobenzene-d5	44.9		18 - 107	45%	SPK: 100
321-60-8	2-Fluorobiphenyl	44.3		20 - 109	44%	SPK: 100
118-79-6	2,4,6-Tribromophenol	70.5		10 - 116	47%	SPK: 150
1718-51-0	Terphenyl-d14	40.8		10 - 105	41%	SPK: 100

INTERNAL STANDARDS

3855-82-1	1,4-Dichlorobenzene-d4	73300	6.875	
1146-65-2	Naphthalene-d8	283000	8.157	
15067-26-2	Acenaphthene-d10	150000	9.91	
1517-22-2	Phenanthrene-d10	249000	11.404	
1719-03-5	Chrysene-d12	144000	14.045	
1520-96-3	Perylene-d12	180000	15.539	

TENTATIVE IDENTIFIED COMPOUNDS

000123-42-2	2-Pentanone, 4-hydroxy-4-methyl-	210	AB	5.09	ug/Kg
000119-61-9	Benzophenone	360	J	10.6	ug/Kg
959261-23-5	Heptafluorobutyric acid, pentadecy	140	J	13.9	ug/Kg

Report of Analysis

Client:	CDM Smith	Date Collected:	07/01/25
Project:	South River WM Replacement	Date Received:	07/01/25
Client Sample ID:	TP-106	SDG No.:	Q2484
Lab Sample ID:	Q2484-05	Matrix:	SOIL
Analytical Method:	8270E	% Solid:	87.9
Sample Wt/Vol:	30.06	Units:	g
Soil Aliquot Vol:		Final Vol:	1000 uL
Extraction Type :		Test:	SVOC-TCL BNA -20
	Decanted :	Level :	LOW
Injection Volume :	GPC Factor :	1.0	GPC Cleanup : N PH :
Prep Method :	SW3541		

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
BF142997.D	1	07/02/25 08:55	07/03/25 15:27	PB168694

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\BF070325\
Data File : BF142997.D
Acq On : 03 Jul 2025 15:27
Operator : RC/JU
Sample : Q2484-05
Misc :
ALS Vial : 12 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
TP-1006

Quant Time: Jul 03 15:53:59 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF061925.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Tue Jun 24 05:28:21 2025
Response via : Initial Calibration

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

Internal Standards						
1) 1,4-Dichlorobenzene-d4	6.875	152	73257	20.000	ng	0.00
21) Naphthalene-d8	8.157	136	282718	20.000	ng	-0.01
39) Acenaphthene-d10	9.910	164	149800	20.000	ng	-0.01
64) Phenanthrene-d10	11.404	188	249447	20.000	ng	0.00
76) Chrysene-d12	14.045	240	144108	20.000	ng	-0.01
86) Perylene-d12	15.539	264	179957	20.000	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.499	112	319816	72.685	ng	0.00
7) Phenol-d6	6.504	99	388928	74.921	ng	0.00
23) Nitrobenzene-d5	7.434	82	231249	44.865	ng	-0.01
42) 2,4,6-Tribromophenol	10.704	330	108610	70.455	ng	-0.01
45) 2-Fluorobiphenyl	9.234	172	504594	44.250	ng	-0.01
79) Terphenyl-d14	12.986	244	425327	40.780	ng	-0.01

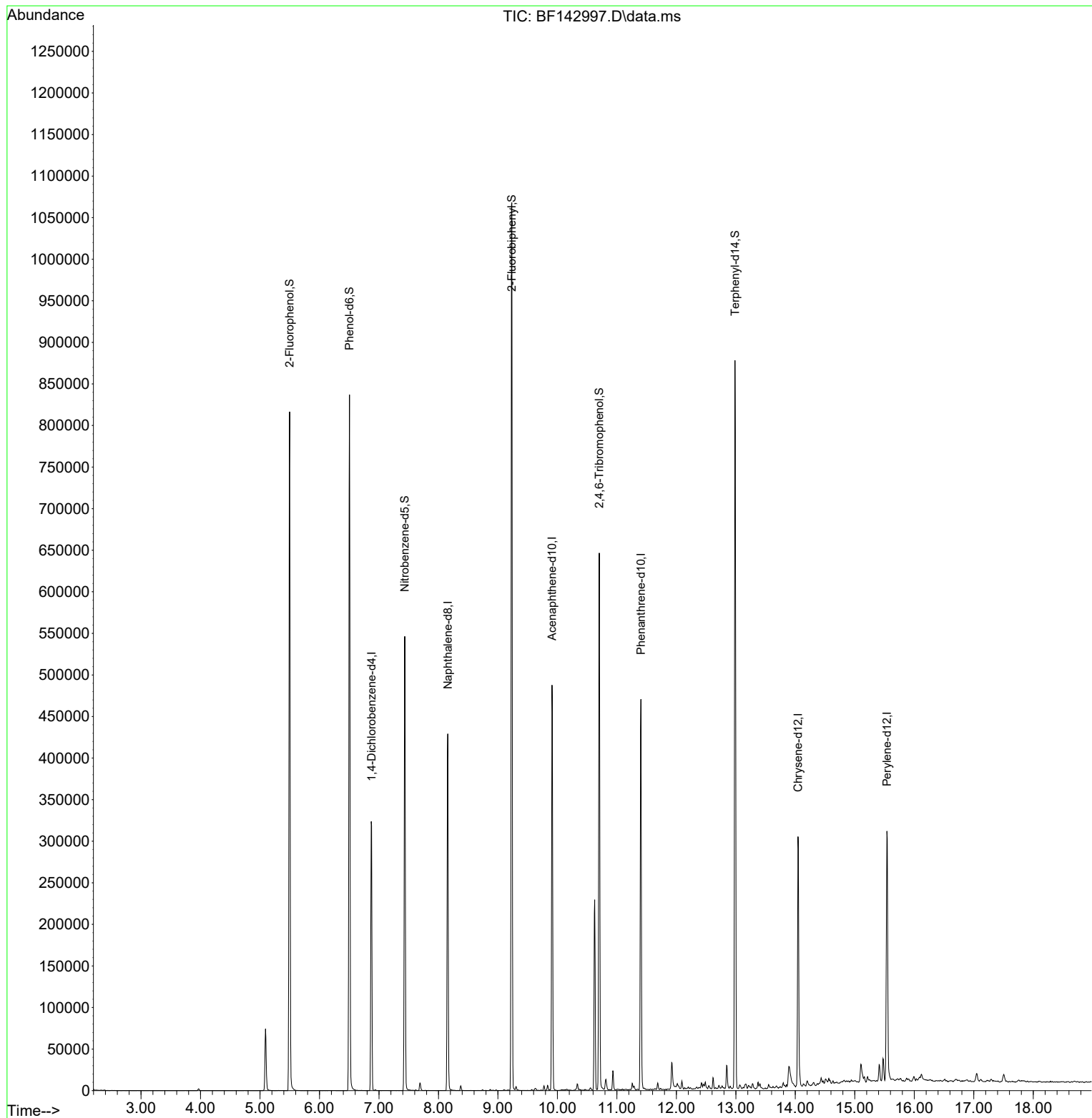
Target Compounds	Qvalue

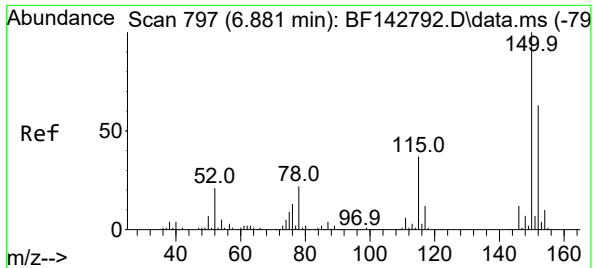
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF070325\
Data File : BF142997.D
Acq On : 03 Jul 2025 15:27
Operator : RC/JU
Sample : Q2484-05
Misc :
ALS Vial : 12 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
TP-1006

Quant Time: Jul 03 15:53:59 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF061925.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Tue Jun 24 05:28:21 2025
Response via : Initial Calibration

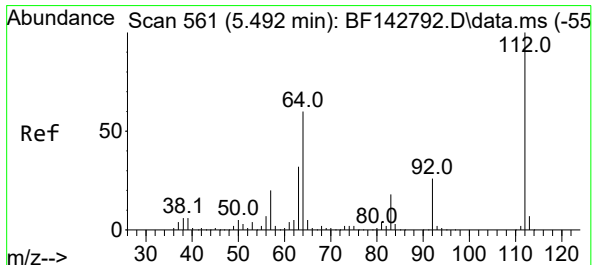
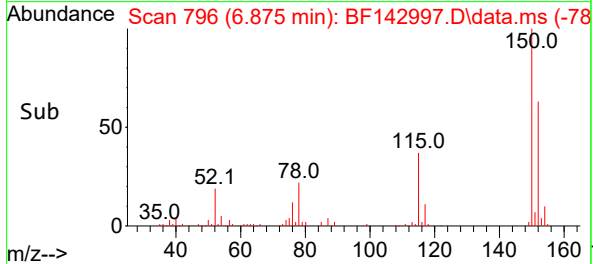
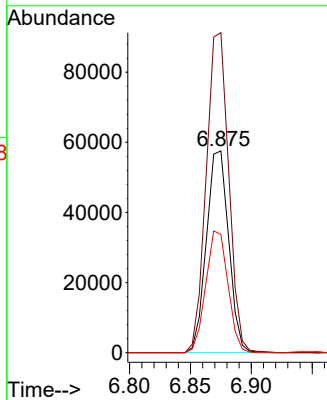
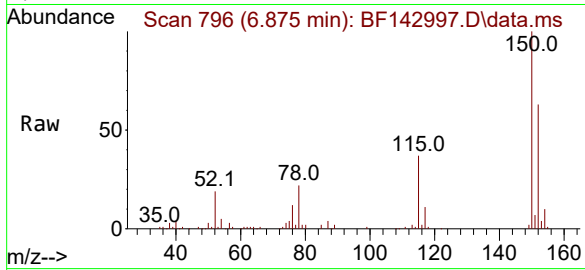




#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.875 min Scan# 79
Delta R.T. -0.006 min
Lab File: BF142997.D
Acq: 03 Jul 2025 15:27

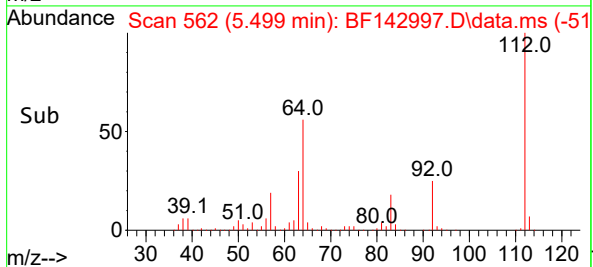
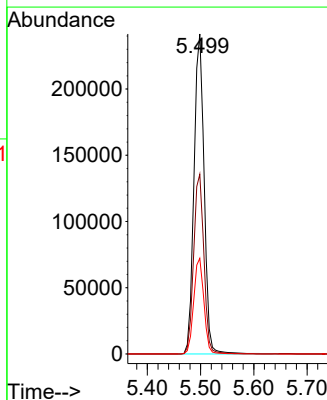
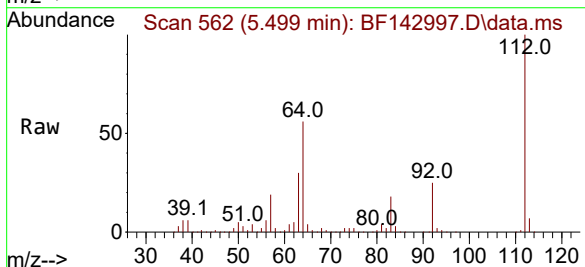
Instrument :
BNA_F
ClientSampleId :
TP-1006

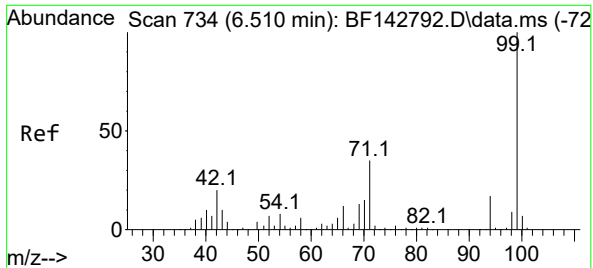
Tgt Ion:152 Resp: 73257
Ion Ratio Lower Upper
152 100
150 158.6 127.2 190.8
115 58.6 46.6 69.8



#5
2-Fluorophenol
Concen: 72.685 ng
RT: 5.499 min Scan# 562
Delta R.T. 0.007 min
Lab File: BF142997.D
Acq: 03 Jul 2025 15:27

Tgt Ion:112 Resp: 319816
Ion Ratio Lower Upper
112 100
64 56.2 48.2 72.2
63 29.9 25.7 38.5

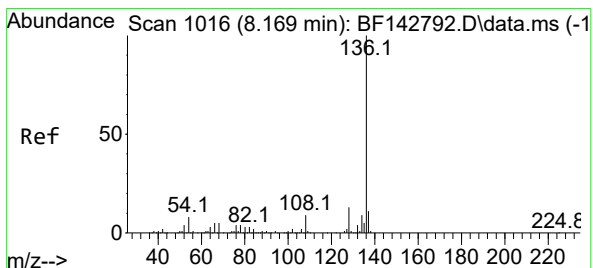
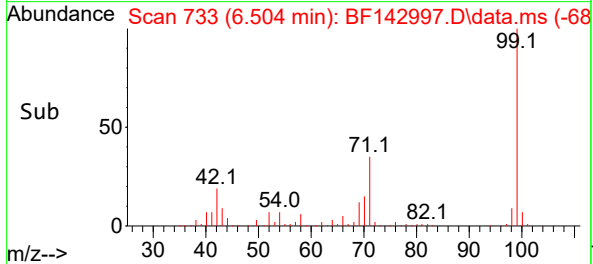
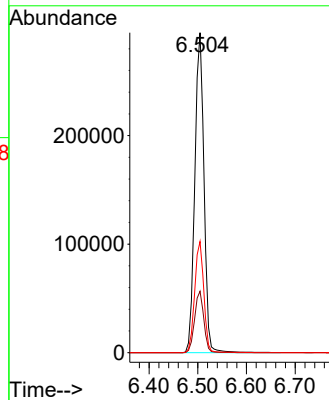
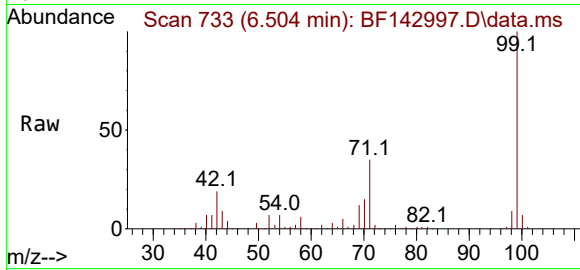




#7
Phenol-d6
Concen: 74.921 ng
RT: 6.504 min Scan# 71
Delta R.T. -0.006 min
Lab File: BF142997.D
Acq: 03 Jul 2025 15:27

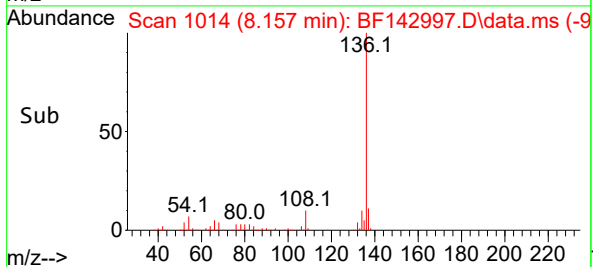
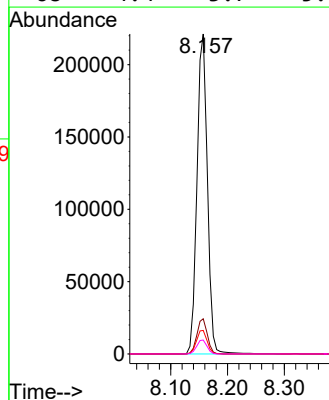
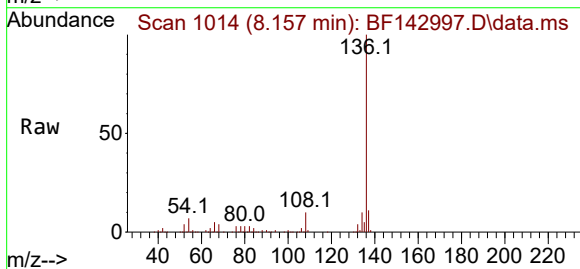
Instrument :
BNA_F
ClientSampleId :
TP-1006

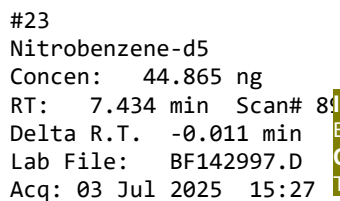
Tgt Ion: 99 Resp: 388928
Ion Ratio Lower Upper
99 100
42 19.2 15.9 23.9
71 34.8 27.8 41.8



#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.157 min Scan# 1014
Delta R.T. -0.012 min
Lab File: BF142997.D
Acq: 03 Jul 2025 15:27

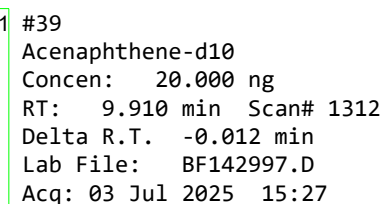
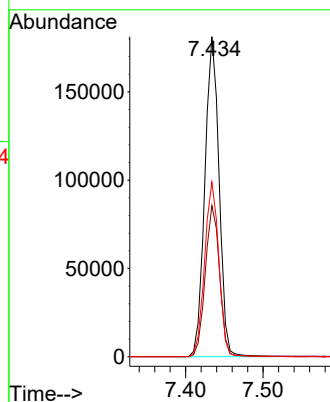
Tgt Ion: 136 Resp: 282718
Ion Ratio Lower Upper
136 100
137 11.0 8.4 12.6
54 7.4 6.3 9.5
68 4.4 3.7 5.5



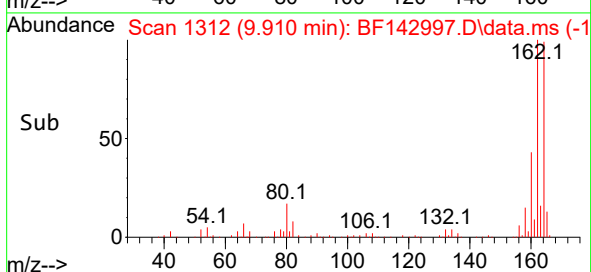
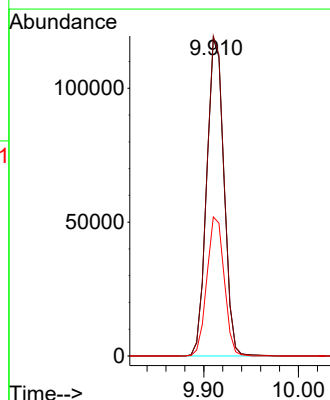


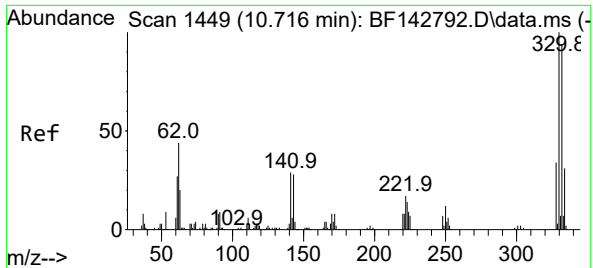
Instrument :
BNA_F
ClientSampleId :
TP-1006

Tgt Ion: 82	Resp: 231249
Ion Ratio	Lower Upper
82 100	
128 47.2	37.7 56.5
54 54.6	45.7 68.5



Tgt	Ion:164	Resp:	149800
Ion	Ratio	Lower	Upper
164	100		
162	100.8	81.8	122.8
160	43.8	36.0	54.0





#42

2,4,6-Tribromophenol

Concen: 70.455 ng

RT: 10.704 min Scan# 1447

Delta R.T. -0.012 min

Lab File: BF142997.D

Acq: 03 Jul 2025 15:27

Instrument :

BNA_F

ClientSampleId :

TP-1006

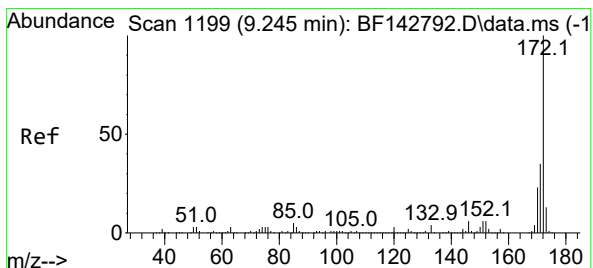
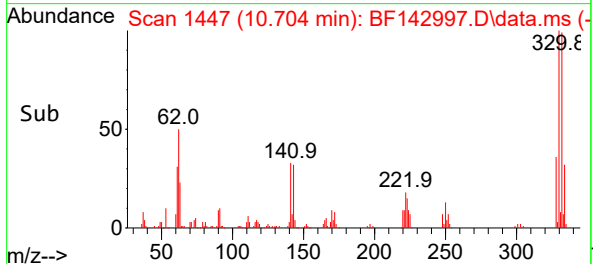
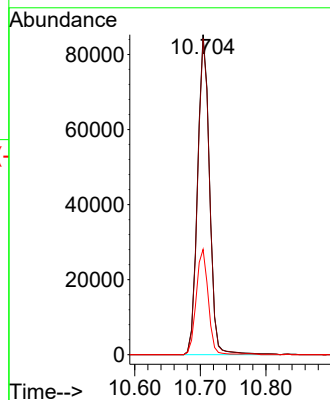
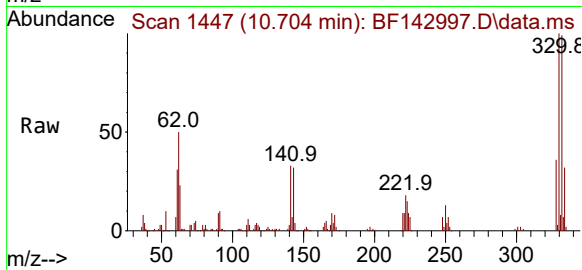
Tgt Ion:330 Resp: 108610

Ion Ratio Lower Upper

330 100

332 98.4 75.0 112.6

141 32.7 25.3 37.9



#45

2-Fluorobiphenyl

Concen: 44.250 ng

RT: 9.234 min Scan# 1197

Delta R.T. -0.011 min

Lab File: BF142997.D

Acq: 03 Jul 2025 15:27

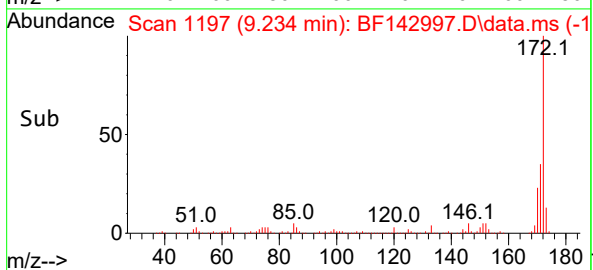
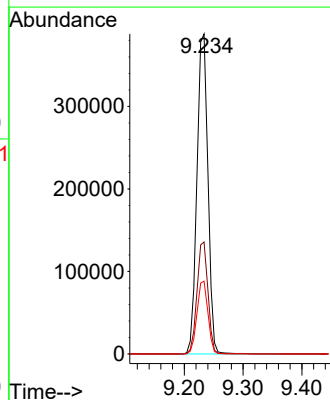
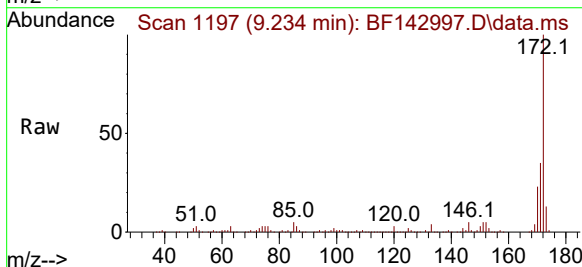
Tgt Ion:172 Resp: 504594

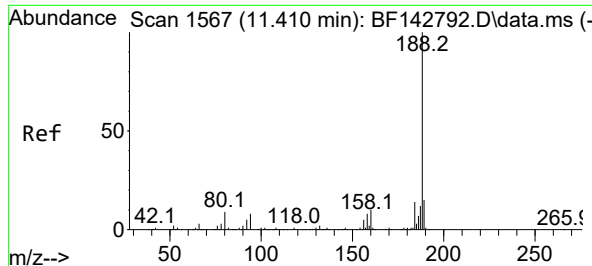
Ion Ratio Lower Upper

172 100

171 35.0 28.2 42.4

170 22.7 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: BF142997.D

Acq: 03 Jul 2025 15:27

Instrument :

BNA_F

ClientSampleId :

TP-1006

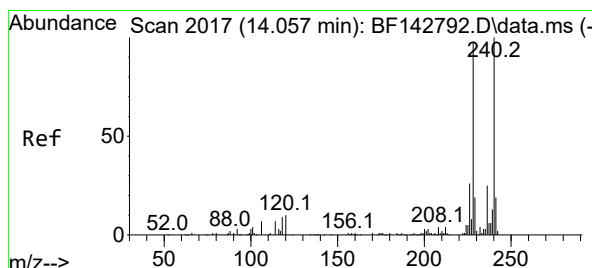
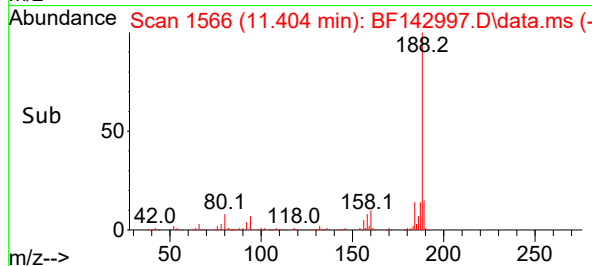
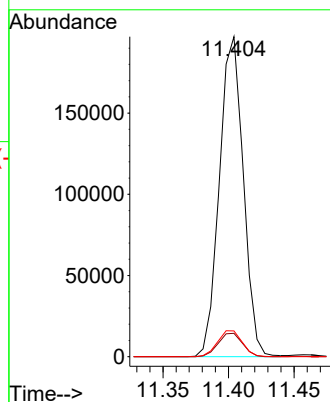
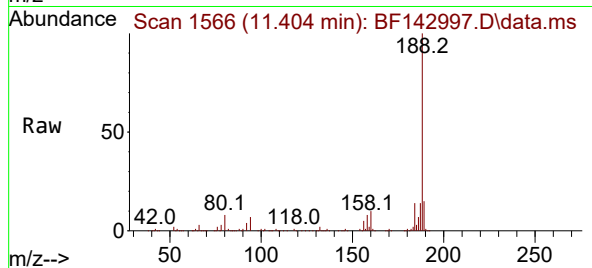
Tgt Ion:188 Resp: 249447

Ion Ratio Lower Upper

188 100

94 7.3 6.7 10.1

80 8.0 6.9 10.3



#76

Chrysene-d12

Concen: 20.000 ng

RT: 14.045 min Scan# 2015

Delta R.T. -0.012 min

Lab File: BF142997.D

Acq: 03 Jul 2025 15:27

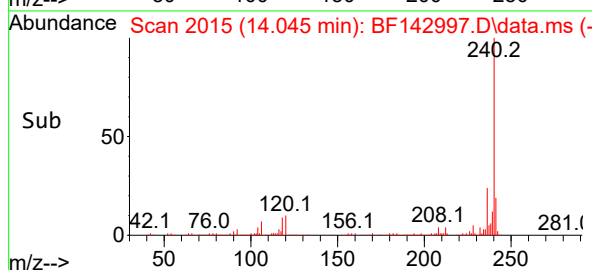
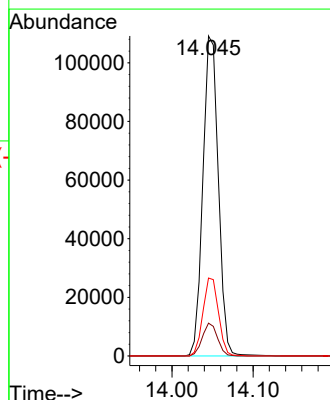
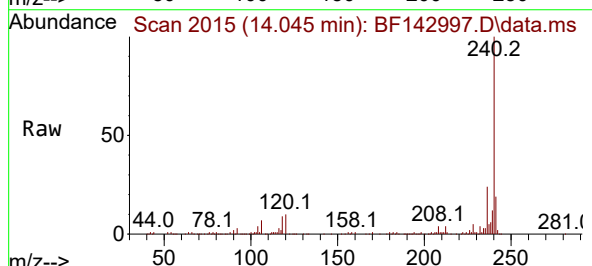
Tgt Ion:240 Resp: 144108

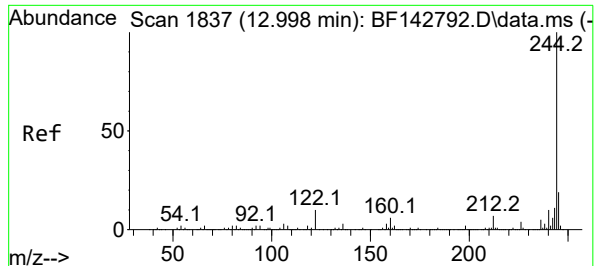
Ion Ratio Lower Upper

240 100

120 10.2 8.2 12.2

236 24.4 19.8 29.8





#79

Terphenyl-d14

Concen: 40.780 ng

RT: 12.986 min Scan# 11

Delta R.T. -0.012 min

Lab File: BF142997.D

Acq: 03 Jul 2025 15:27

Instrument :

BNA_F

ClientSampleId :

TP-1006

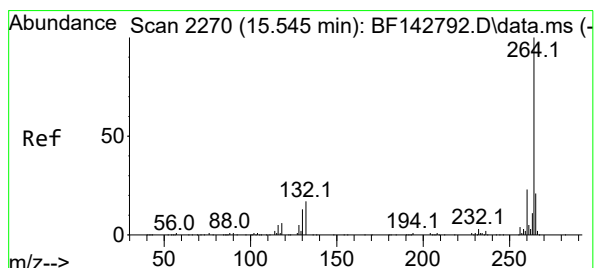
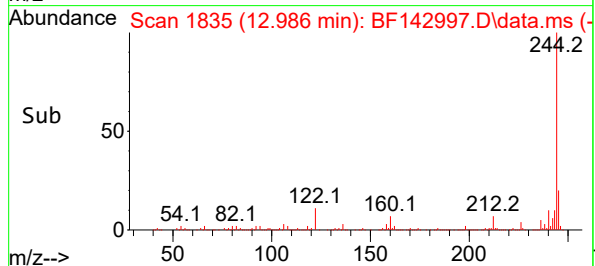
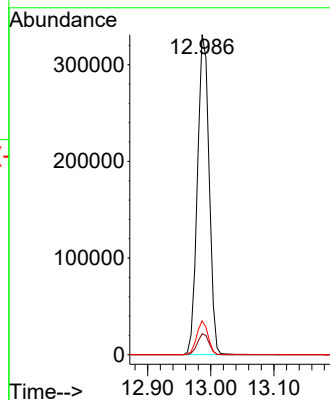
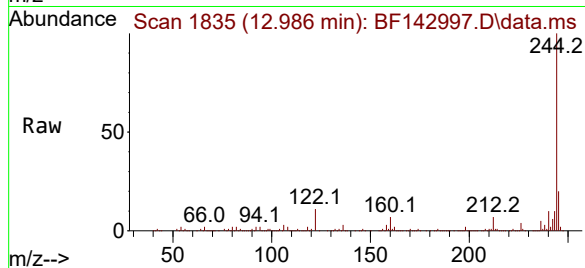
Tgt Ion:244 Resp: 425327

Ion Ratio Lower Upper

244 100

212 6.6 5.4 8.0

122 10.5 8.2 12.2



#86

Perylene-d12

Concen: 20.000 ng

RT: 15.539 min Scan# 2269

Delta R.T. -0.006 min

Lab File: BF142997.D

Acq: 03 Jul 2025 15:27

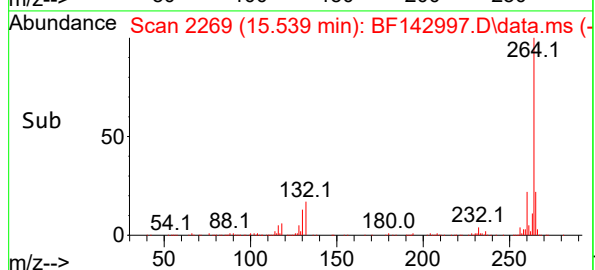
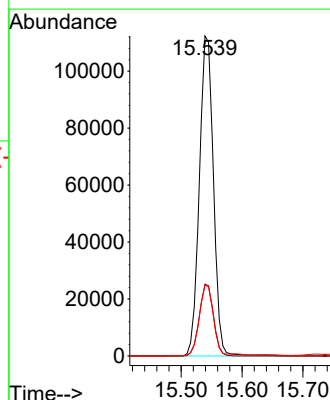
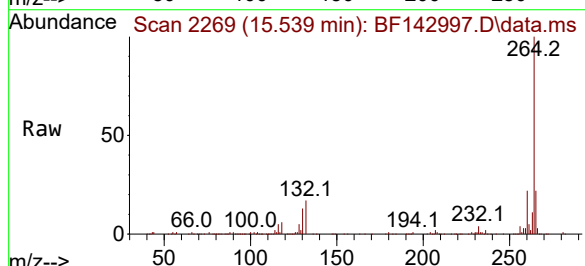
Tgt Ion:264 Resp: 179957

Ion Ratio Lower Upper

264 100

260 22.4 18.1 27.1

265 22.2 16.6 25.0



Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF070325\
 Data File : BF142997.D
 Acq On : 03 Jul 2025 15:27
 Operator : RC/JU
 Sample : Q2484-05
 Misc :
 ALS Vial : 12 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 TP-1006

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: BF142997.D\data.ms

peak #	R.T. min	first scan	max scan	last scan	PK TY	peak height	corr. area	corr. % max.	% of total
1	5.093	486	493	506	rBV	74251	112206	8.06%	1.113%
2	5.499	556	562	585	rBV	816528	1080949	77.63%	10.718%
3	6.504	727	733	752	rBV	836968	1105500	79.39%	10.962%
4	6.869	790	795	803	rBV	323564	410079	29.45%	4.066%
5	7.434	885	891	896	rBV	546277	690951	49.62%	6.851%
6	8.157	1008	1014	1022	rBV	429024	546152	39.22%	5.415%
7	9.234	1191	1197	1202	rBV	1067845	1392451	100.00%	13.807%
8	9.910	1307	1312	1321	rVB	487114	609651	43.78%	6.045%
9	10.628	1429	1434	1440	rBV	228876	287172	20.62%	2.847%
10	10.704	1442	1447	1459	rVV	645886	814720	58.51%	8.078%
11	10.816	1461	1466	1473	rVB2	12655	21592	1.55%	0.214%
12	10.934	1482	1486	1493	rVB	23302	29278	2.10%	0.290%
13	11.404	1560	1566	1573	rBV	469631	602041	43.24%	5.970%
14	11.922	1648	1654	1663	rBV3	32111	59170	4.25%	0.587%
15	12.016	1667	1670	1677	rVV3	6737	14026	1.01%	0.139%
16	12.616	1768	1772	1776	rBV	13224	16049	1.15%	0.159%
17	12.845	1806	1811	1818	rBV	27918	40635	2.92%	0.403%
18	12.986	1830	1835	1840	rBV	874709	1108948	79.64%	10.996%
19	13.892	1984	1989	2008	rVB4	24566	77600	5.57%	0.769%
20	14.045	2008	2015	2027	rBV	301014	425628	30.57%	4.220%
21	15.104	2190	2195	2202	rBV	21109	46480	3.34%	0.461%
22	15.410	2243	2247	2253	rVB	19700	30039	2.16%	0.298%
23	15.474	2253	2258	2263	rBV	26802	41165	2.96%	0.408%
24	15.539	2263	2269	2281	rBV	299754	487723	35.03%	4.836%
25	17.051	2521	2526	2533	rVB	9253	18374	1.32%	0.182%
26	17.504	2598	2603	2609	rVB	8342	16652	1.20%	0.165%

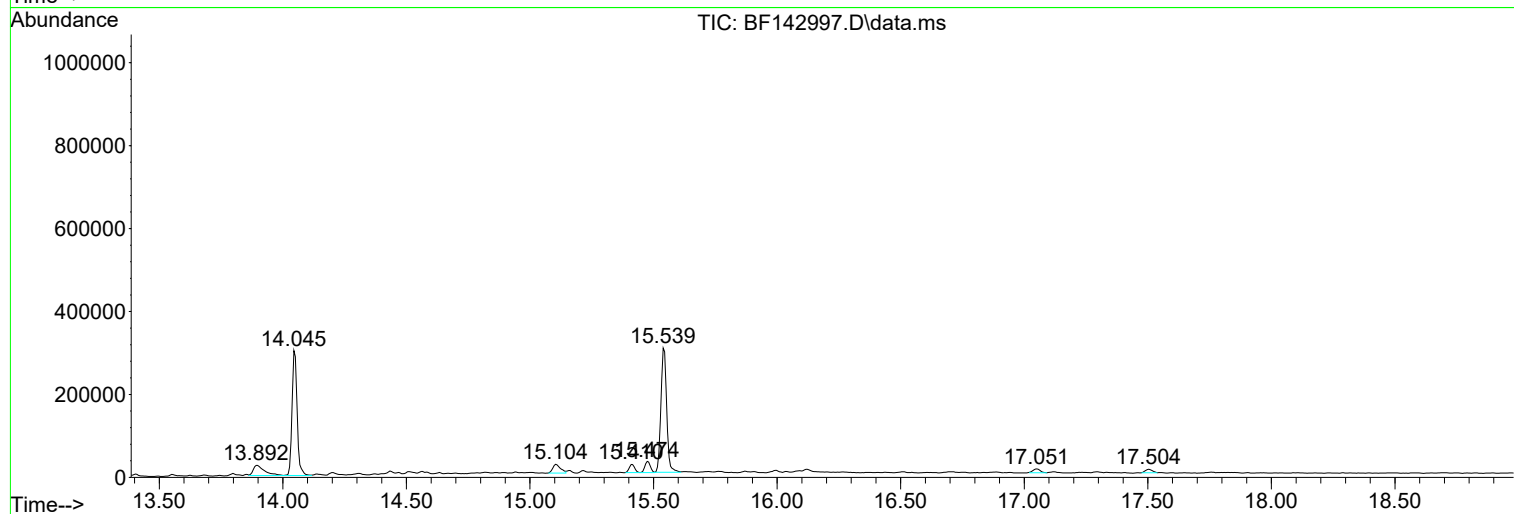
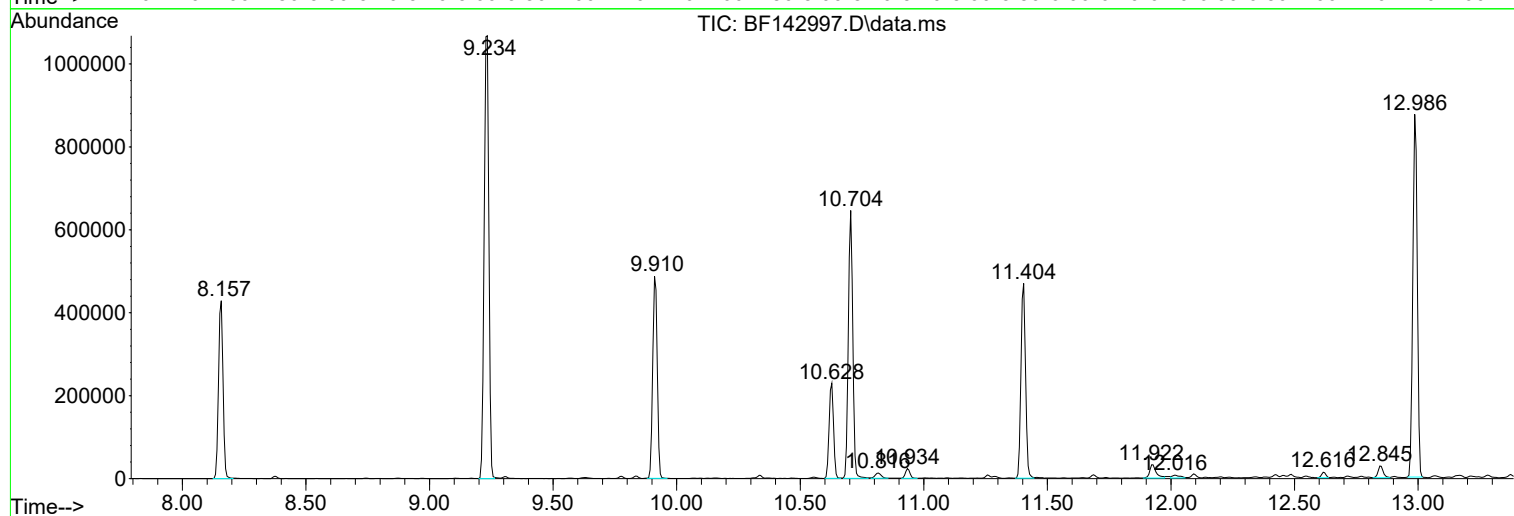
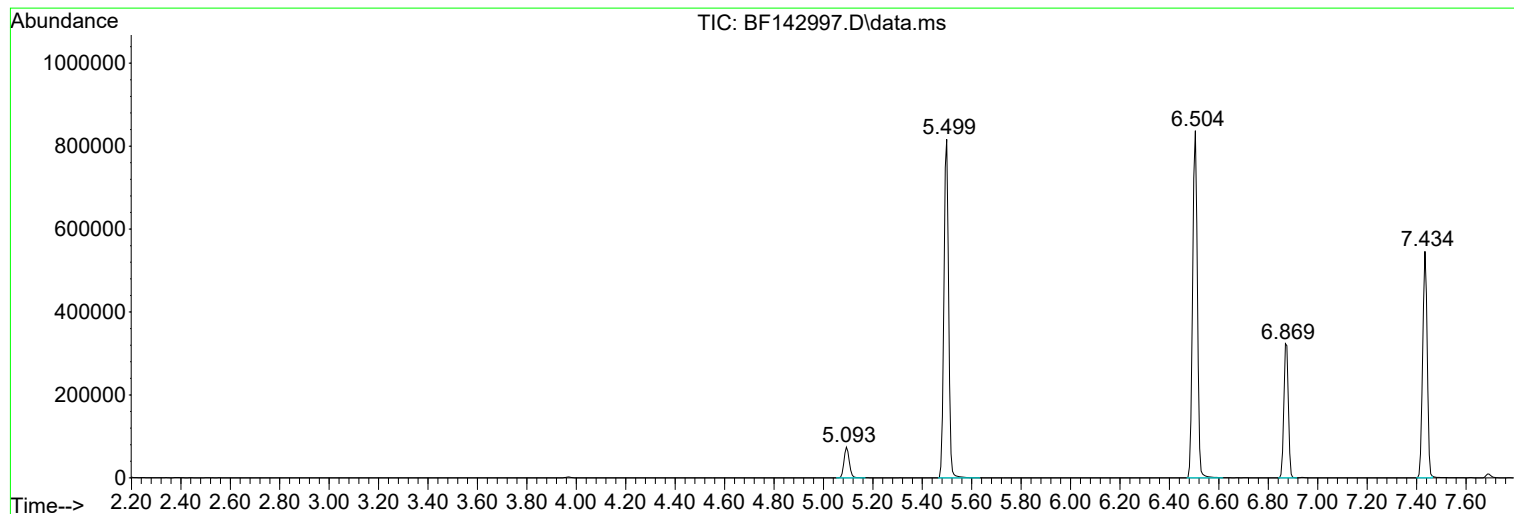
Sum of corrected areas: 10085231

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF070325\
Data File : BF142997.D
Acq On : 03 Jul 2025 15:27
Operator : RC/JU
Sample : Q2484-05
Misc :
ALS Vial : 12 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
TP-1006

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\BF070325\
Data File : BF142997.D
Acq On : 03 Jul 2025 15:27
Operator : RC/JU
Sample : Q2484-05
Misc :
ALS Vial : 12 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
TP-1006

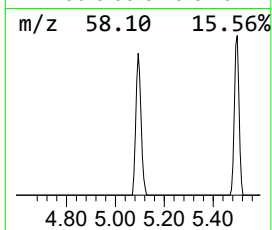
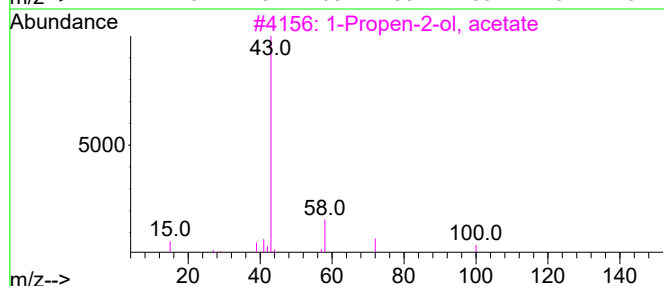
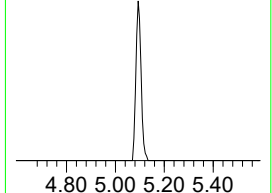
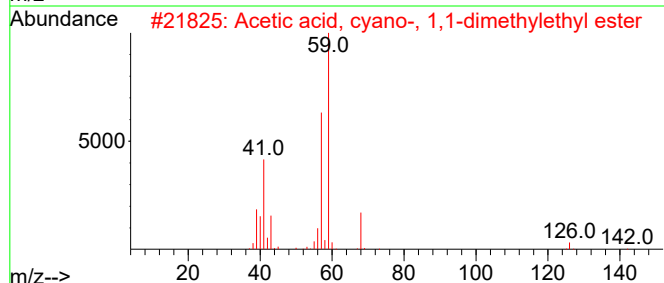
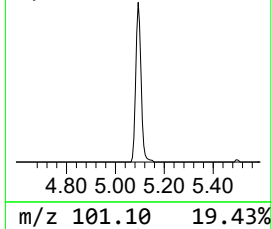
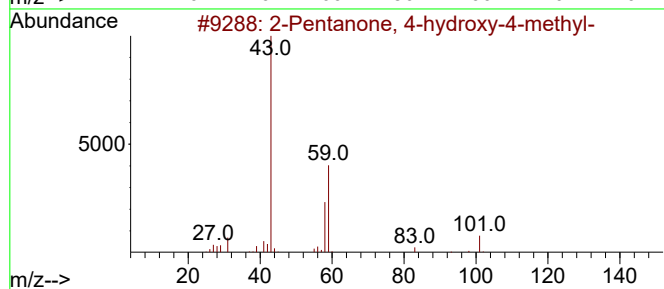
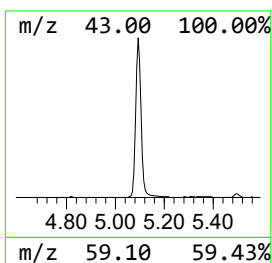
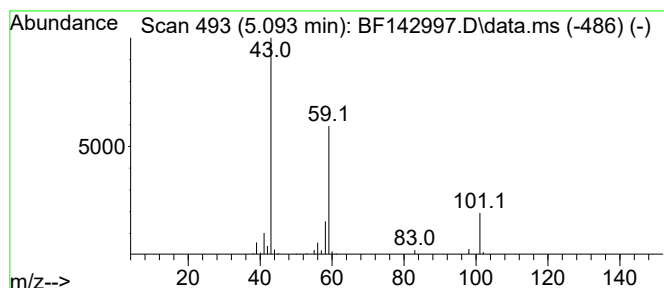
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF061925.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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.
5.093	5.47 ng	112206	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	25		
3	1-Propen-2-ol, acetate	100	C5H8O2	000108-22-5	10		
4	(+)-4-Amino-4,5-dihydro-2(3H)-f...	101	C4H7NO2	016504-58-8	9		
5	Butane, 1-ethoxy-	102	C6H14O	000628-81-9	9		



Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF070325\
Data File : BF142997.D
Acq On : 03 Jul 2025 15:27
Operator : RC/JU
Sample : Q2484-05
Misc :
ALS Vial : 12 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
TP-1006

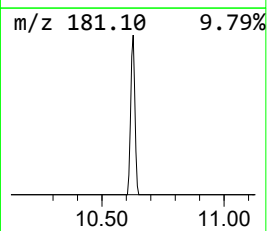
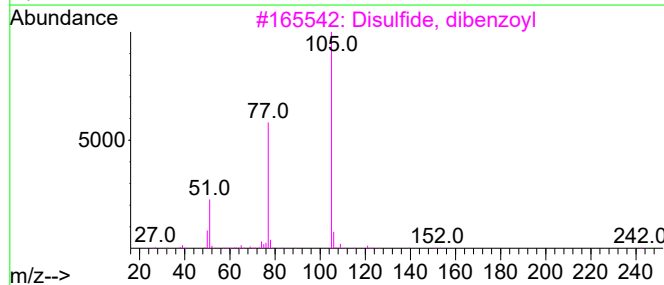
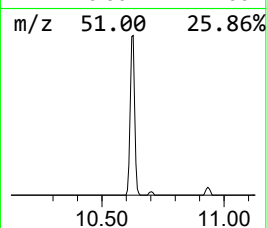
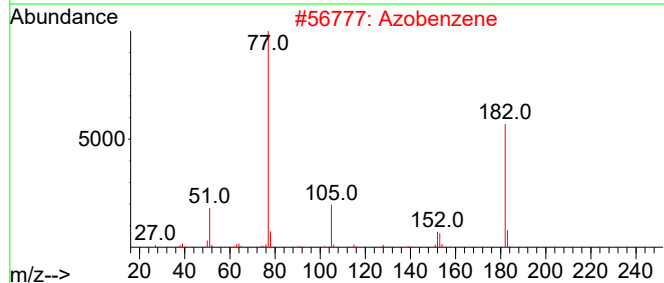
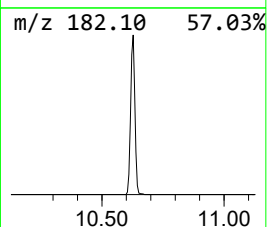
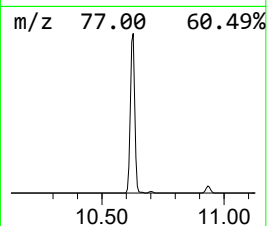
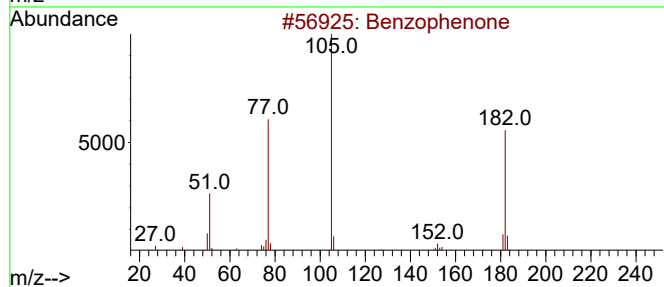
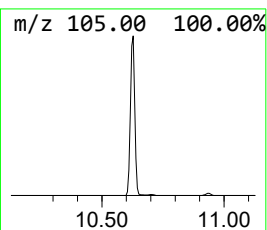
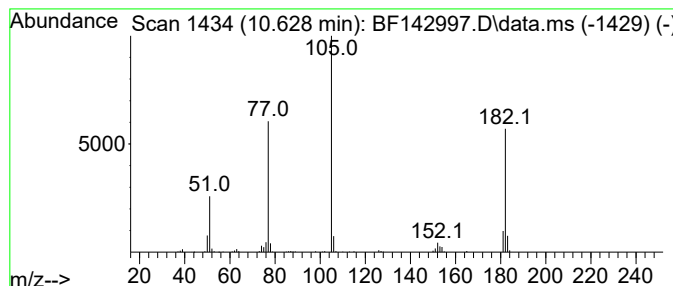
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF061925.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 2 Benzophenone Concentration Rank 1

R.T.	EstConc	Area	Relative to ISTD	R.T.
10.628	9.42 ng	287172	Acenaphthene-d10	9.910

Hit#	of	5	Tentative ID	MW	MolForm	CAS#	Qual
1			Benzophenone	182	C13H10O	000119-61-9	96
2			Azobenzene	182	C12H10N2	000103-33-3	64
3			Disulfide, dibenzoyl	274	C14H10O2S2	000644-32-6	49
4			N-cyanobenzamide	146	C8H6N2O	015150-25-1	47
5			Vinyl benzoate	148	C9H8O2	000769-78-8	47



Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF070325\
Data File : BF142997.D
Acq On : 03 Jul 2025 15:27
Operator : RC/JU
Sample : Q2484-05
Misc :
ALS Vial : 12 Sample Multiplier: 1

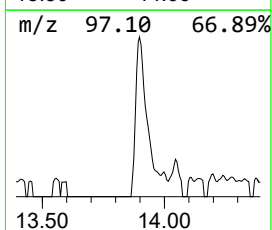
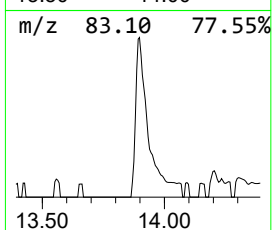
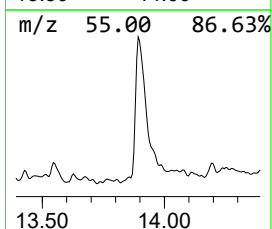
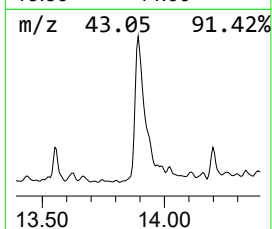
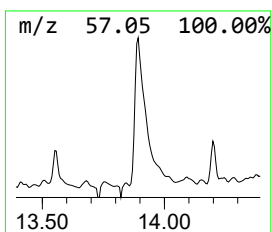
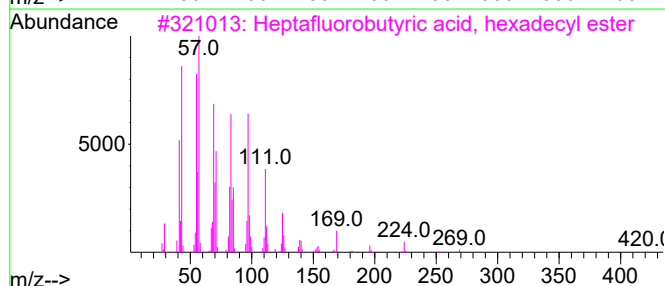
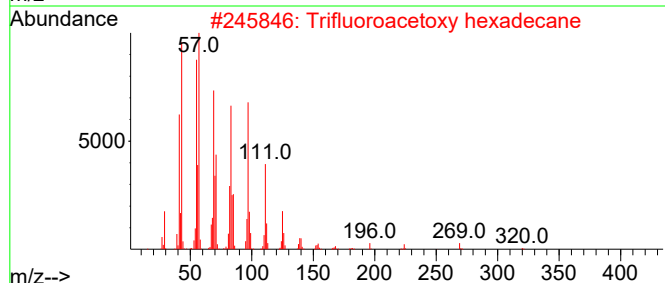
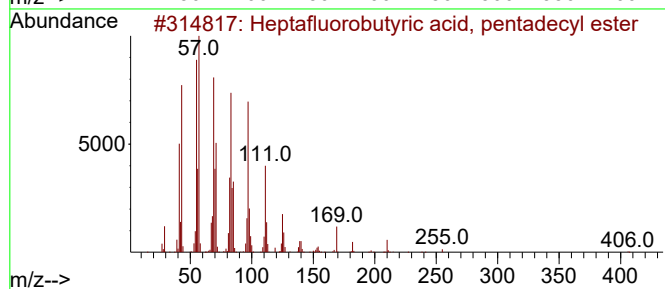
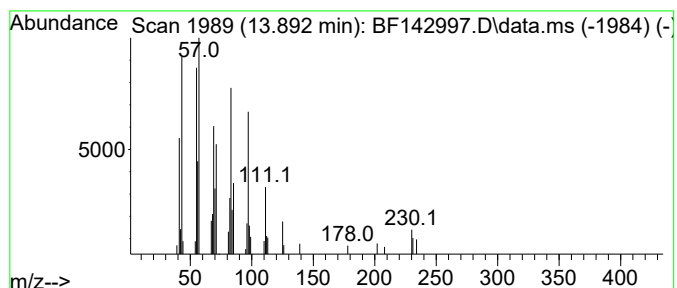
Instrument :
BNA_F
ClientSampleId :
TP-1006

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 Heptafluorobutyric acid, pe... Concentration Rank 3

R.T.	EstConc	Area	Relative to ISTD	R.T.	
13.892	3.65 ng	77600	Chrysene-d12	14.045	
Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Heptafluorobutyric acid, pentade...	424	C19H31F7O2	959261-23-5	93
2	Trifluoroacetoxy hexadecane	338	C18H33F3O2	006222-03-3	93
3	Heptafluorobutyric acid, hexadec...	438	C20H33F7O2	006385-15-5	90
4	Carbonic acid, isobutyl octadecy...	370	C23H46O3	1000314-61-5	90
5	2- Bromopropionic acid, pentadec...	362	C18H35BrO2	1000292-44-2	90



Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF070325\
Data File : BF142997.D
Acq On : 03 Jul 2025 15:27
Operator : RC/JU
Sample : Q2484-05
Misc :
ALS Vial : 12 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
TP-1006

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

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

TIC Top Hit name	RT	EstConc	Units	Response	--Internal Standard--			
					#	RT	Resp	Conc
2-Pentanone, 4-...	5.093	5.5	ng	112206	1	6.875	410079	20.0
Benzophenone	10.628	9.4	ng	287172	3	9.910	609651	20.0
Heptafluorobuty...	13.892	3.6	ng	77600	5	14.045	425628	20.0

Report of Analysis

Client:	CDM Smith	Date Collected:	07/01/25
Project:	South River WM Replacement	Date Received:	07/01/25
Client Sample ID:	TP-104	SDG No.:	Q2484
Lab Sample ID:	Q2484-06	Matrix:	SOIL
Analytical Method:	8270E	% Solid:	87.3
Sample Wt/Vol:	30.09	Units:	g
Soil Aliquot Vol:			uL
Extraction Type :		Decanted :	N
Injection Volume :		GPC Factor :	1.0
Prep Method :	SW3541	Level :	LOW
		GPC Cleanup :	N
		PH :	
		Test:	SVOC-TCL BNA -20
		Final Vol:	1000
			uL

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
BF142996.D	1	07/02/25 08:55	07/03/25 14:56	PB168694

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	25.2	U	25.2	190	ug/Kg
111-44-4	bis(2-Chloroethyl)ether	27.8	U	27.8	190	ug/Kg
95-57-8	2-Chlorophenol	27.9	U	27.9	190	ug/Kg
95-48-7	2-Methylphenol	34.1	U	34.1	190	ug/Kg
108-60-1	2,2-oxybis(1-Chloropropane)	42.8	U	42.8	190	ug/Kg
98-86-2	Acetophenone	33.7	U	33.7	190	ug/Kg
65794-96-9	3+4-Methylphenols	46.9	U	46.9	380	ug/Kg
621-64-7	n-Nitroso-di-n-propylamine	54.1	U	54.1	91.4	ug/Kg
67-72-1	Hexachloroethane	20.1	U	20.1	190	ug/Kg
98-95-3	Nitrobenzene	20.9	U	20.9	190	ug/Kg
78-59-1	Isophorone	37.5	U	37.5	190	ug/Kg
88-75-5	2-Nitrophenol	66.5	U	66.5	190	ug/Kg
105-67-9	2,4-Dimethylphenol	74.0	U	74.0	190	ug/Kg
111-91-1	bis(2-Chloroethoxy)methane	35.2	U	35.2	190	ug/Kg
120-83-2	2,4-Dichlorophenol	32.3	U	32.3	190	ug/Kg
91-20-3	Naphthalene	25.9	U	25.9	190	ug/Kg
106-47-8	4-Chloroaniline	40.4	U	40.4	190	ug/Kg
87-68-3	Hexachlorobutadiene	28.9	U	28.9	190	ug/Kg
105-60-2	Caprolactam	59.5	U	59.5	380	ug/Kg
59-50-7	4-Chloro-3-methylphenol	32.8	U	32.8	190	ug/Kg
91-57-6	2-Methylnaphthalene	29.2	U	29.2	190	ug/Kg
77-47-4	Hexachlorocyclopentadiene	130	U	130	380	ug/Kg
88-06-2	2,4,6-Trichlorophenol	22.6	U	22.6	190	ug/Kg
95-95-4	2,4,5-Trichlorophenol	33.2	U	33.2	190	ug/Kg
92-52-4	1,1-Biphenyl	24.9	U	24.9	190	ug/Kg
91-58-7	2-Chloronaphthalene	25.7	U	25.7	190	ug/Kg
88-74-4	2-Nitroaniline	54.9	U	54.9	190	ug/Kg
131-11-3	Dimethylphthalate	30.9	U	30.9	190	ug/Kg

Report of Analysis

Client:	CDM Smith	Date Collected:	07/01/25
Project:	South River WM Replacement	Date Received:	07/01/25
Client Sample ID:	TP-104	SDG No.:	Q2484
Lab Sample ID:	Q2484-06	Matrix:	SOIL
Analytical Method:	8270E	% Solid:	87.3
Sample Wt/Vol:	30.09	Units:	g
Soil Aliquot Vol:			uL
Extraction Type :		Decanted :	N
Injection Volume :		GPC Factor :	1.0
Prep Method :	SW3541	Level :	LOW
		Final Vol:	1000
		Test:	SVOC-TCL BNA -20
		GPC Cleanup :	N
		PH :	

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
BF142996.D	1	07/02/25 08:55	07/03/25 14:56	PB168694

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units(Dry Weight)
208-96-8	Acenaphthylene	33.0	U	33.0	190	ug/Kg
606-20-2	2,6-Dinitrotoluene	38.4	U	38.4	190	ug/Kg
99-09-2	3-Nitroaniline	52.5	U	52.5	190	ug/Kg
83-32-9	Acenaphthene	24.3	U	24.3	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	25.9	U	25.9	190	ug/Kg
121-14-2	2,4-Dinitrotoluene	57.2	U	57.2	190	ug/Kg
84-66-2	Diethylphthalate	32.3	U	32.3	190	ug/Kg
7005-72-3	4-Chlorophenyl-phenylether	30.5	U	30.5	190	ug/Kg
86-73-7	Fluorene	28.9	U	28.9	190	ug/Kg
100-01-6	4-Nitroaniline	73.3	U	73.3	190	ug/Kg
534-52-1	4,6-Dinitro-2-methylphenol	120	U	120	380	ug/Kg
86-30-6	n-Nitrosodiphenylamine	37.6	U	37.6	190	ug/Kg
101-55-3	4-Bromophenyl-phenylether	31.7	U	31.7	190	ug/Kg
118-74-1	Hexachlorobenzene	28.9	U	28.9	190	ug/Kg
1912-24-9	Atrazine	38.8	U	38.8	190	ug/Kg
87-86-5	Pentachlorophenol	58.6	U	58.6	380	ug/Kg
85-01-8	Phenanthrene	23.9	U	23.9	190	ug/Kg
120-12-7	Anthracene	38.0	U	38.0	190	ug/Kg
86-74-8	Carbazole	35.6	U	35.6	190	ug/Kg
84-74-2	Di-n-butylphthalate	54.7	U	54.7	190	ug/Kg
206-44-0	Fluoranthene	34.3	U	34.3	190	ug/Kg
129-00-0	Pyrene	41.1	U	41.1	190	ug/Kg
85-68-7	Butylbenzylphthalate	81.5	UQ	81.5	190	ug/Kg
91-94-1	3,3-Dichlorobenzidine	41.9	U	41.9	380	ug/Kg
56-55-3	Benzo(a)anthracene	26.3	U	26.3	190	ug/Kg
218-01-9	Chrysene	22.7	U	22.7	190	ug/Kg
117-81-7	Bis(2-ethylhexyl)phthalate	67.6	U	67.6	190	ug/Kg
117-84-0	Di-n-octyl phthalate	99.1	U	99.1	380	ug/Kg
205-99-2	Benzo(b)fluoranthene	21.7	U	21.7	190	ug/Kg

Report of Analysis

Client:	CDM Smith	Date Collected:	07/01/25
Project:	South River WM Replacement	Date Received:	07/01/25
Client Sample ID:	TP-104	SDG No.:	Q2484
Lab Sample ID:	Q2484-06	Matrix:	SOIL
Analytical Method:	8270E	% Solid:	87.3
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
BF142996.D	1	07/02/25 08:55	07/03/25 14:56	PB168694

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units(Dry Weight)
207-08-9	Benzo(k)fluoranthene	25.6	U	25.6	190	ug/Kg
50-32-8	Benzo(a)pyrene	33.7	U	33.7	190	ug/Kg
193-39-5	Indeno(1,2,3-cd)pyrene	33.2	U	33.2	190	ug/Kg
53-70-3	Dibenzo(a,h)anthracene	31.3	U	31.3	190	ug/Kg
191-24-2	Benzo(g,h,i)perylene	29.4	U	29.4	190	ug/Kg
95-94-3	1,2,4,5-Tetrachlorobenzene	29.2	U	29.2	190	ug/Kg
123-91-1	1,4-Dioxane	51.6	U	51.6	190	ug/Kg
58-90-2	2,3,4,6-Tetrachlorophenol	31.3	U	31.3	190	ug/Kg

SURROGATES

367-12-4	2-Fluorophenol	76.8		18 - 112	51%	SPK: 150
13127-88-3	Phenol-d6	77.6		15 - 107	52%	SPK: 150
4165-60-0	Nitrobenzene-d5	47.6		18 - 107	48%	SPK: 100
321-60-8	2-Fluorobiphenyl	46.0		20 - 109	46%	SPK: 100
118-79-6	2,4,6-Tribromophenol	76.4		10 - 116	51%	SPK: 150
1718-51-0	Terphenyl-d14	46.6		10 - 105	47%	SPK: 100

INTERNAL STANDARDS

3855-82-1	1,4-Dichlorobenzene-d4	71600	6.875
1146-65-2	Naphthalene-d8	275000	8.157
15067-26-2	Acenaphthene-d10	149000	9.91
1517-22-2	Phenanthrene-d10	257000	11.404
1719-03-5	Chrysene-d12	144000	14.051
1520-96-3	Perylene-d12	171000	15.539

TENTATIVE IDENTIFIED COMPOUNDS

000123-42-2	2-Pentanone, 4-hydroxy-4-methyl-	220	AB	5.09	ug/Kg
000119-61-9	Benzophenone	370	J	10.6	ug/Kg
000661-19-8	Behenic alcohol	180	J	13.9	ug/Kg

Report of Analysis

Client:	CDM Smith	Date Collected:	07/01/25
Project:	South River WM Replacement	Date Received:	07/01/25
Client Sample ID:	TP-104	SDG No.:	Q2484
Lab Sample ID:	Q2484-06	Matrix:	SOIL
Analytical Method:	8270E	% Solid:	87.3
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
BF142996.D	1	07/02/25 08:55	07/03/25 14:56	PB168694

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\BF070325\
Data File : BF142996.D
Acq On : 03 Jul 2025 14:56
Operator : RC/JU
Sample : Q2484-06
Misc :
ALS Vial : 11 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
TP-104

Quant Time: Jul 03 15:47:01 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	71564	20.000	ng	0.00
21) Naphthalene-d8	8.157	136	274705	20.000	ng	-0.01
39) Acenaphthene-d10	9.910	164	149203	20.000	ng	-0.01
64) Phenanthrene-d10	11.404	188	257344	20.000	ng	0.00
76) Chrysene-d12	14.051	240	143815	20.000	ng	0.00
86) Perylene-d12	15.539	264	171301	20.000	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.498	112	330035	76.782	ng	0.00
7) Phenol-d6	6.504	99	393410	77.577	ng	0.00
23) Nitrobenzene-d5	7.434	82	238311	47.584	ng	-0.01
42) 2,4,6-Tribromophenol	10.704	330	117304	76.400	ng	-0.01
45) 2-Fluorobiphenyl	9.233	172	522416	45.997	ng	-0.01
79) Terphenyl-d14	12.986	244	484616	46.559	ng	-0.01

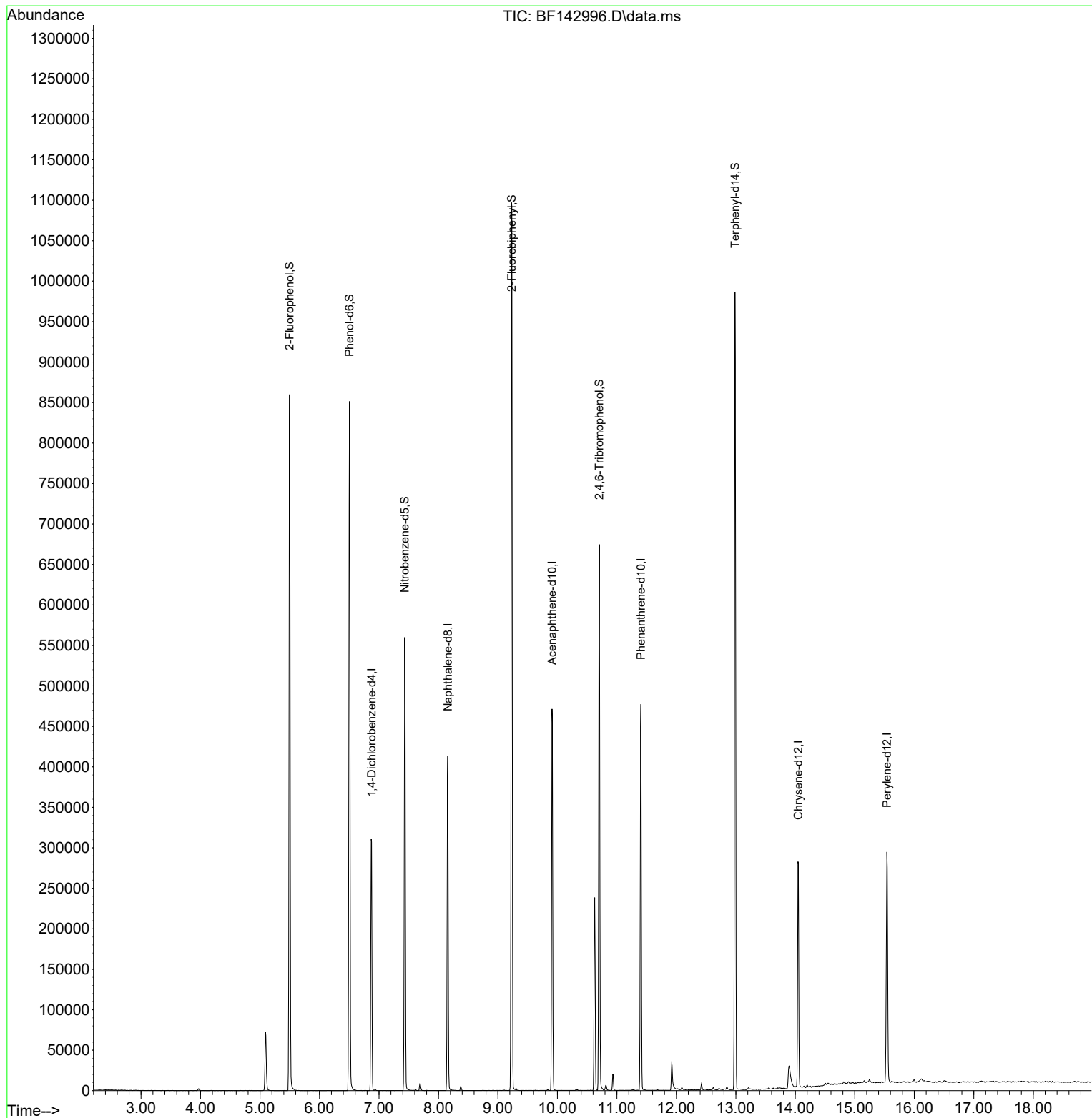
Target Compounds	Qvalue

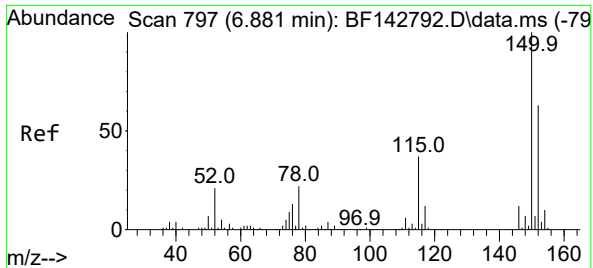
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF070325\
Data File : BF142996.D
Acq On : 03 Jul 2025 14:56
Operator : RC/JU
Sample : Q2484-06
Misc :
ALS Vial : 11 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
TP-104

Quant Time: Jul 03 15:47:01 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

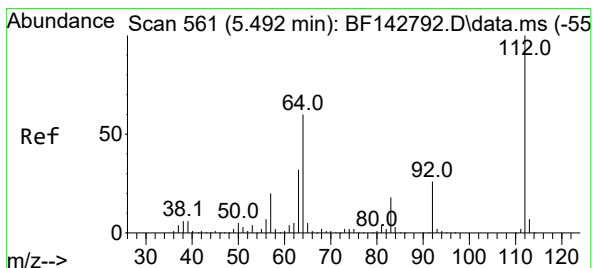
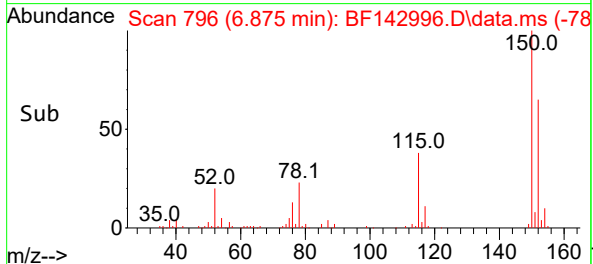
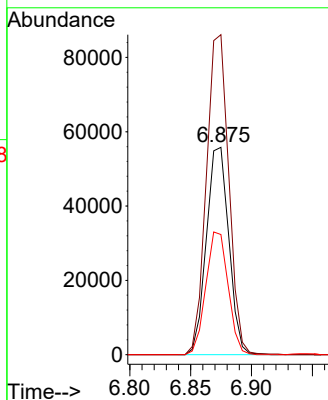
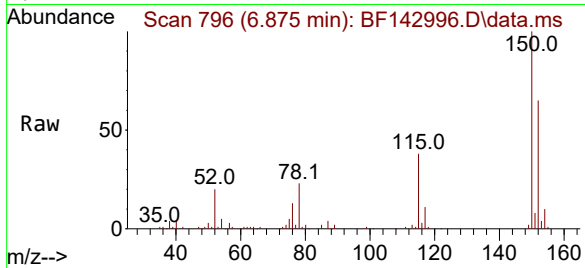




#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.875 min Scan# 797
Delta R.T. -0.006 min
Lab File: BF142996.D
Acq: 03 Jul 2025 14:56

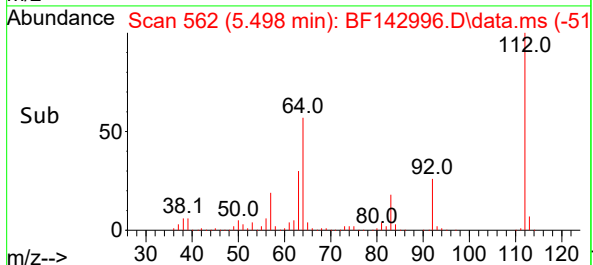
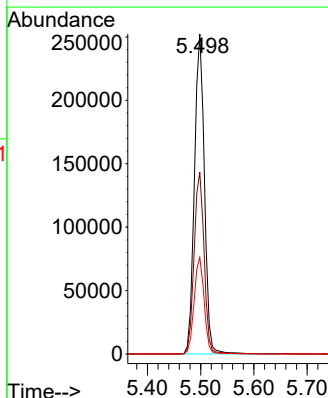
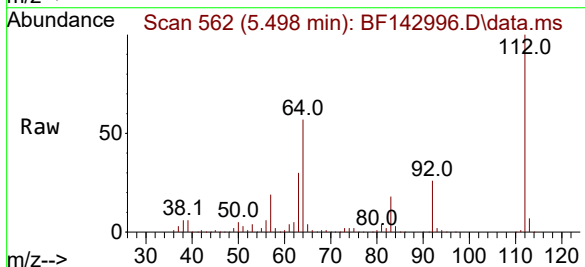
Instrument :
BNA_F
ClientSampleId :
TP-104

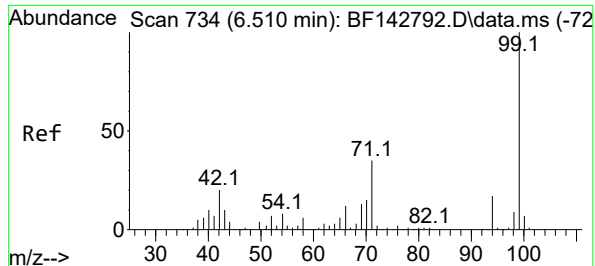
Tgt Ion:152 Resp: 71564
Ion Ratio Lower Upper
152 100
150 154.3 127.2 190.8
115 57.9 46.6 69.8



#5
2-Fluorophenol
Concen: 76.782 ng
RT: 5.498 min Scan# 562
Delta R.T. 0.006 min
Lab File: BF142996.D
Acq: 03 Jul 2025 14:56

Tgt Ion:112 Resp: 330035
Ion Ratio Lower Upper
112 100
64 56.8 48.2 72.2
63 30.2 25.7 38.5

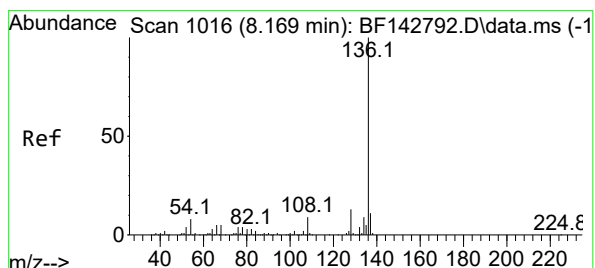
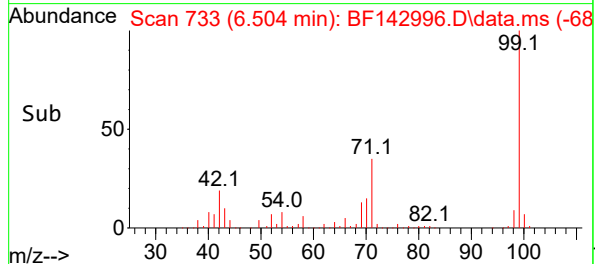
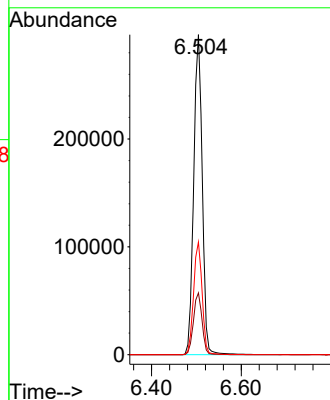
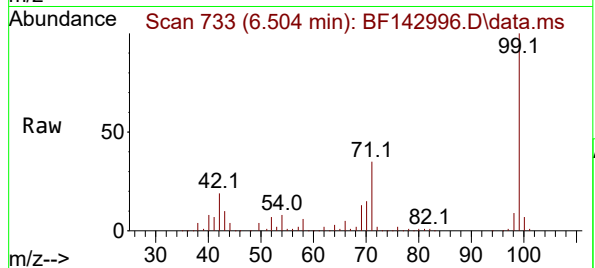




#7
Phenol-d6
Concen: 77.577 ng
RT: 6.504 min Scan# 71
Delta R.T. -0.006 min
Lab File: BF142996.D
Acq: 03 Jul 2025 14:56

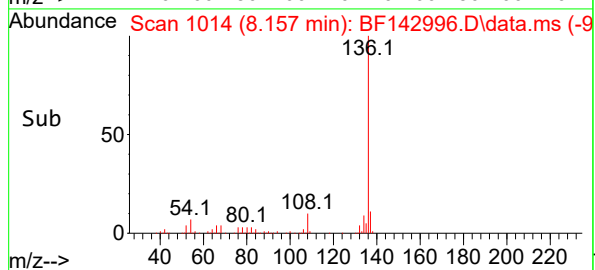
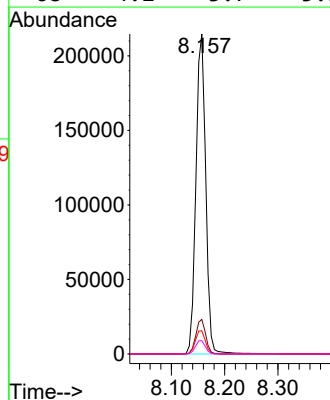
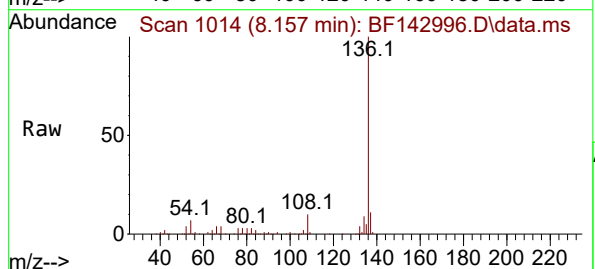
Instrument :
BNA_F
ClientSampleId :
TP-104

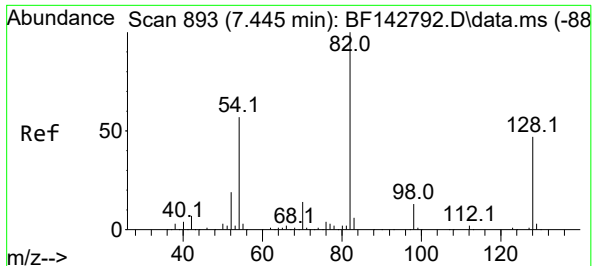
Tgt Ion: 99 Resp: 393410
Ion Ratio Lower Upper
99 100
42 19.3 15.9 23.9
71 35.2 27.8 41.8



#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.157 min Scan# 1014
Delta R.T. -0.012 min
Lab File: BF142996.D
Acq: 03 Jul 2025 14:56

Tgt Ion: 136 Resp: 274705
Ion Ratio Lower Upper
136 100
137 10.8 8.4 12.6
54 7.2 6.3 9.5
68 4.2 3.7 5.5





#23

Nitrobenzene-d5

Concen: 47.584 ng

RT: 7.434 min Scan# 89

Delta R.T. -0.011 min

Lab File: BF142996.D

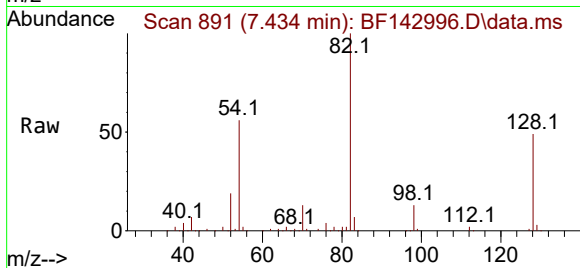
Acq: 03 Jul 2025 14:56

Instrument :

BNA_F

ClientSampleId :

TP-104



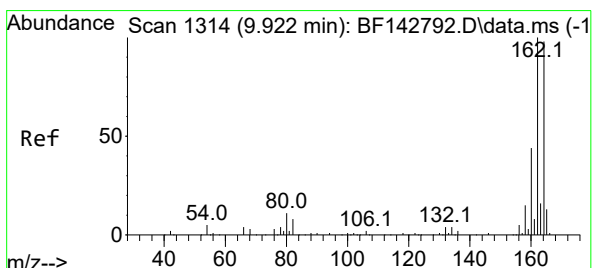
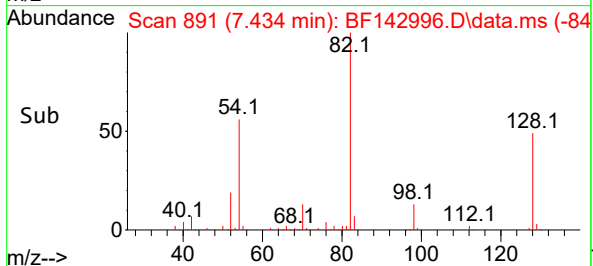
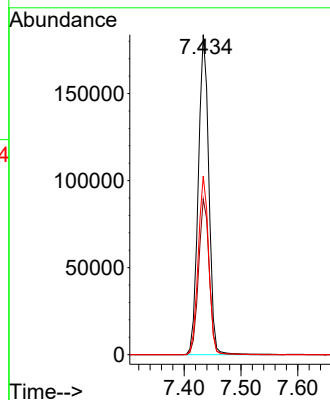
Tgt Ion: 82 Resp: 238311

Ion Ratio Lower Upper

82 100

128 48.6 37.7 56.5

54 55.8 45.7 68.5



#39

Acenaphthene-d10

Concen: 20.000 ng

RT: 9.910 min Scan# 1312

Delta R.T. -0.012 min

Lab File: BF142996.D

Acq: 03 Jul 2025 14:56

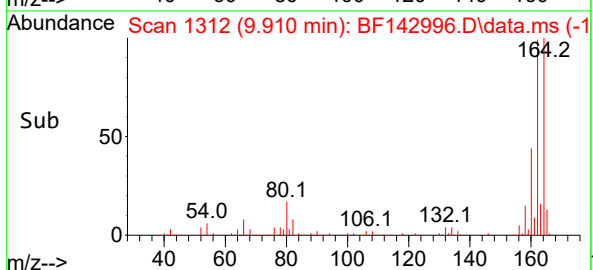
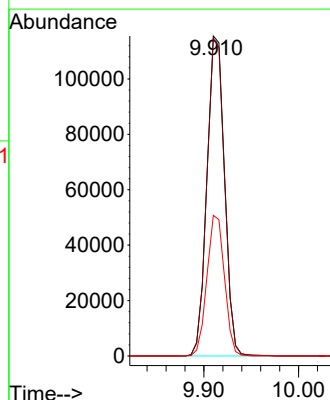
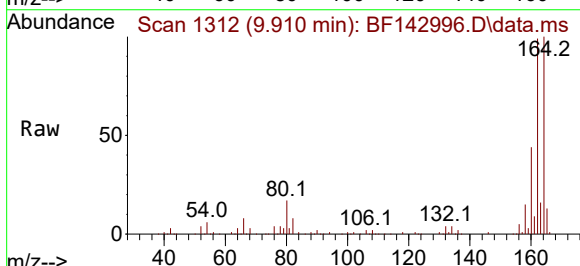
Tgt Ion: 164 Resp: 149203

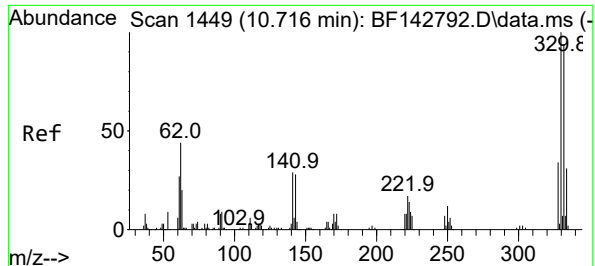
Ion Ratio Lower Upper

164 100

162 99.3 81.8 122.8

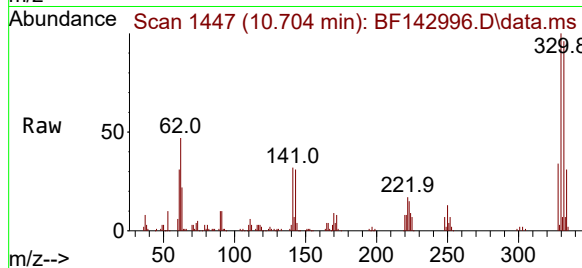
160 44.0 36.0 54.0



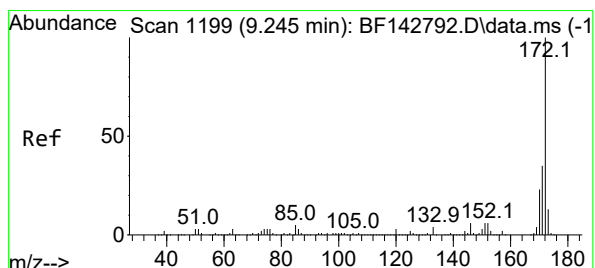
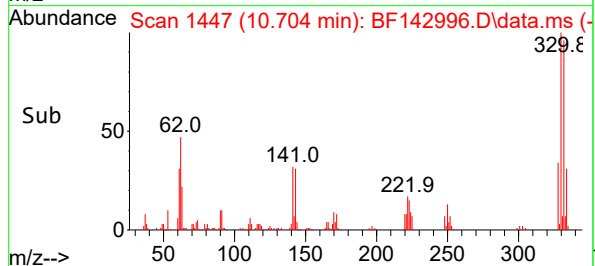
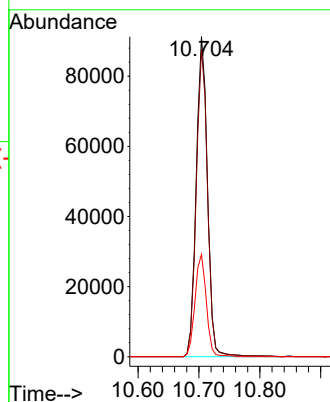


#42
2,4,6-Tribromophenol
Concen: 76.400 ng
RT: 10.704 min Scan# 1447
Delta R.T. -0.012 min
Lab File: BF142996.D
Acq: 03 Jul 2025 14:56

Instrument :
BNA_F
ClientSampleId :
TP-104

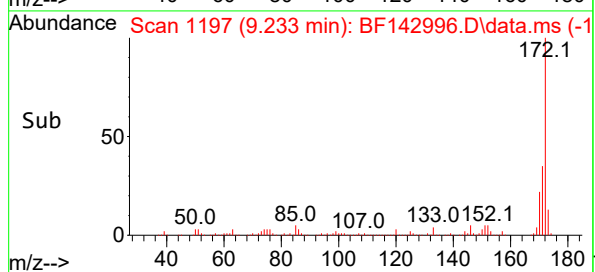
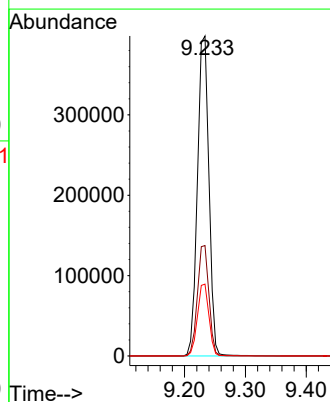
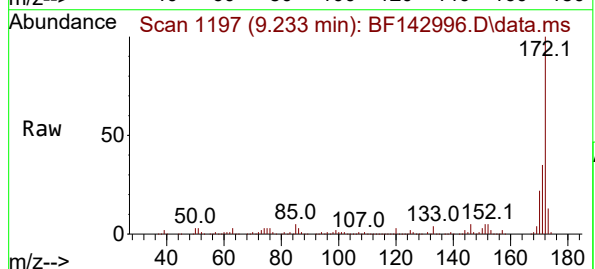


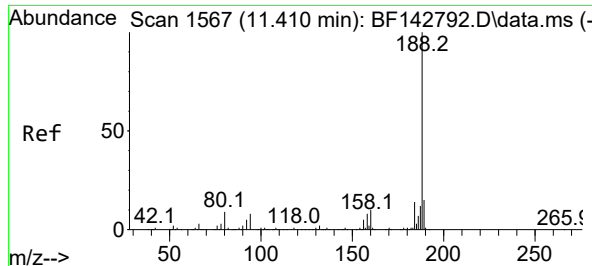
Tgt Ion:330 Resp: 117304
Ion Ratio Lower Upper
330 100
332 96.0 75.0 112.6
141 32.0 25.3 37.9



#45
2-Fluorobiphenyl
Concen: 45.997 ng
RT: 9.233 min Scan# 1197
Delta R.T. -0.012 min
Lab File: BF142996.D
Acq: 03 Jul 2025 14:56

Tgt Ion:172 Resp: 522416
Ion Ratio Lower Upper
172 100
171 34.5 28.2 42.4
170 22.5 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: BF142996.D

Acq: 03 Jul 2025 14:56

Instrument :

BNA_F

ClientSampleId :

TP-104

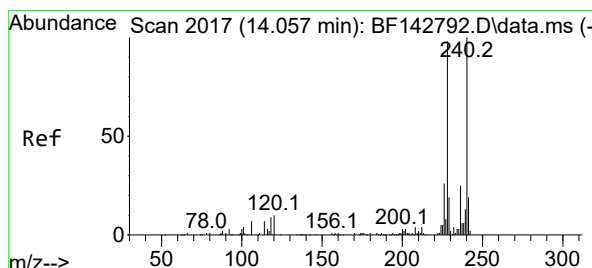
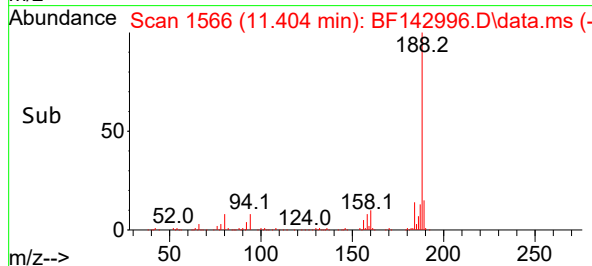
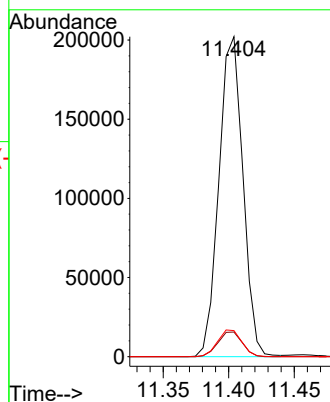
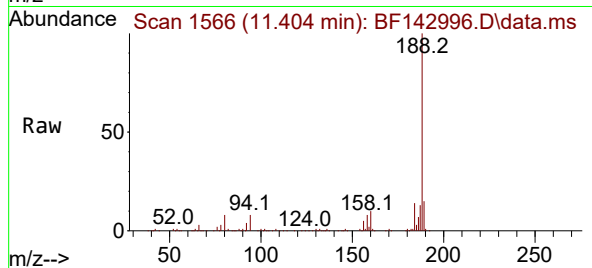
Tgt Ion:188 Resp: 257344

Ion Ratio Lower Upper

188 100

94 7.7 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: BF142996.D

Acq: 03 Jul 2025 14:56

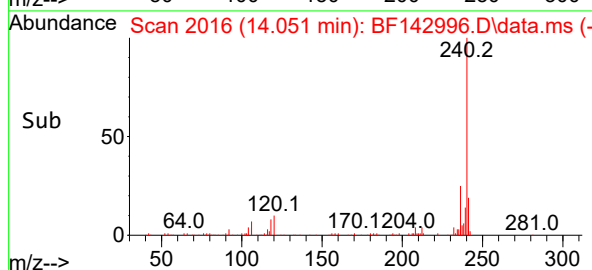
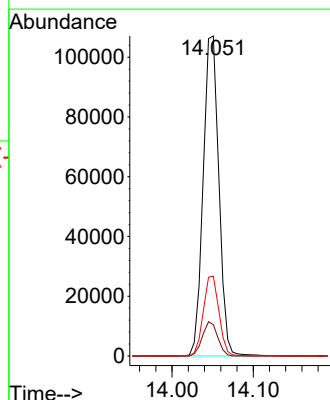
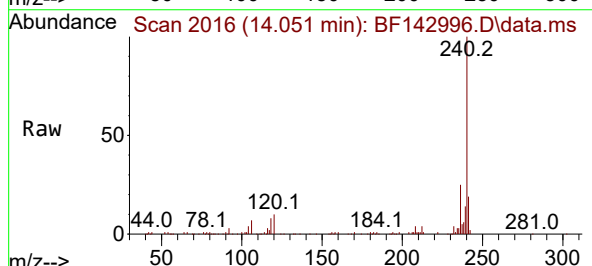
Tgt Ion:240 Resp: 143815

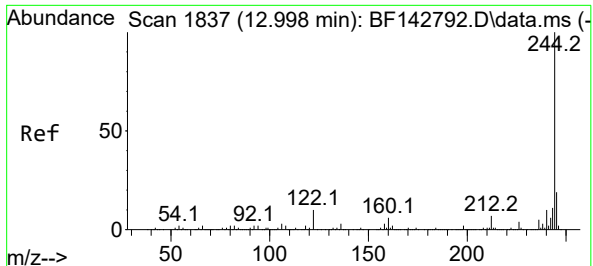
Ion Ratio Lower Upper

240 100

120 9.8 8.2 12.2

236 25.0 19.8 29.8





#79

Terphenyl-d14

Concen: 46.559 ng

RT: 12.986 min Scan# 1835

Delta R.T. -0.012 min

Lab File: BF142996.D

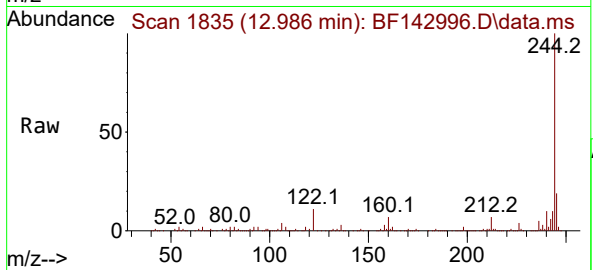
Acq: 03 Jul 2025 14:56

Instrument :

BNA_F

ClientSampleId :

TP-104



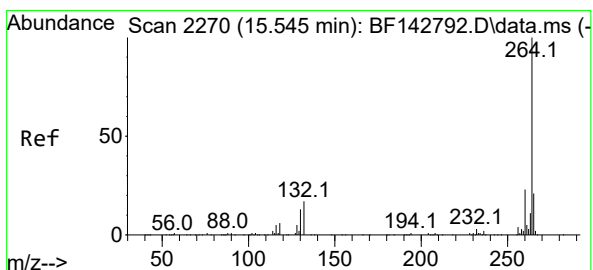
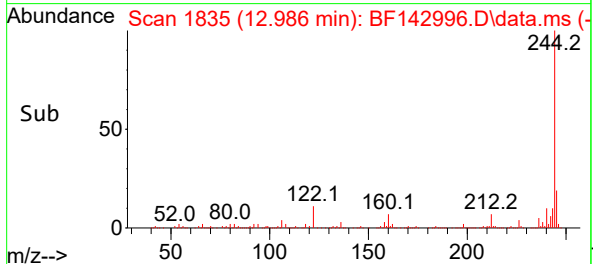
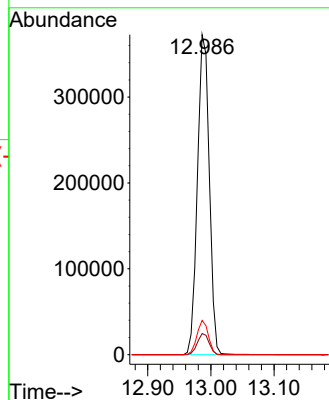
Tgt Ion:244 Resp: 484616

Ion Ratio Lower Upper

244 100

212 6.6 5.4 8.0

122 10.7 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: BF142996.D

Acq: 03 Jul 2025 14:56

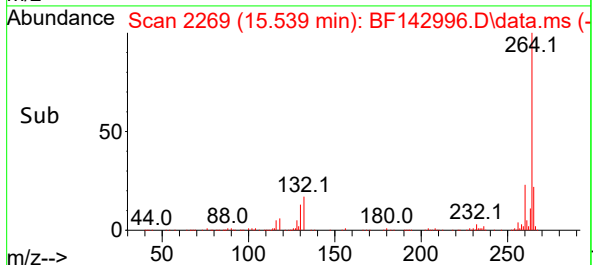
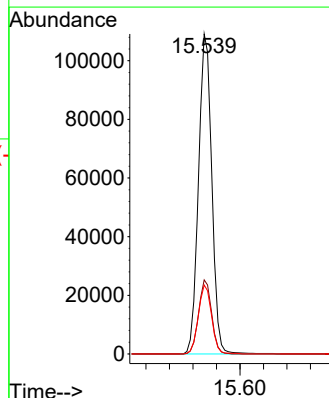
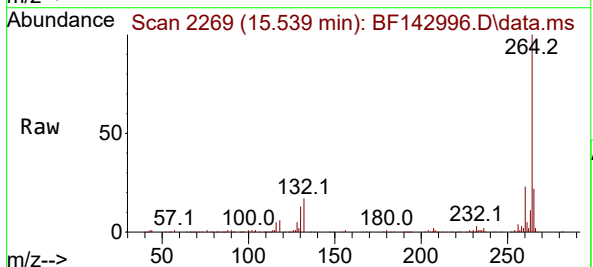
Tgt Ion:264 Resp: 171301

Ion Ratio Lower Upper

264 100

260 23.1 18.1 27.1

265 21.5 16.6 25.0



Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF070325\
 Data File : BF142996.D
 Acq On : 03 Jul 2025 14:56
 Operator : RC/JU
 Sample : Q2484-06
 Misc :
 ALS Vial : 11 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 TP-104

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: BF142996.D\data.ms

peak #	R.T. min	first scan	max scan	last scan	PK TY	peak height	corr. area	corr. % max.	% of total
1	5.093	485	493	510	rBB	72459	112062	7.79%	1.115%
2	5.498	556	562	584	rBV	860073	1123123	78.07%	11.174%
3	6.504	727	733	754	rBV	851247	1130720	78.59%	11.249%
4	6.869	790	795	801	rBV	310416	395634	27.50%	3.936%
5	7.434	885	891	896	rBV	559912	717490	49.87%	7.138%
6	8.157	1008	1014	1035	rBV	413289	526586	36.60%	5.239%
7	9.228	1191	1196	1202	rBV	1096782	1438701	100.00%	14.313%
8	9.910	1307	1312	1324	rBV	471285	602223	41.86%	5.991%
9	10.628	1429	1434	1439	rBV	238213	294253	20.45%	2.927%
10	10.704	1442	1447	1459	rBV	674407	858650	59.68%	8.542%
11	10.933	1481	1486	1491	rBV	20332	24684	1.72%	0.246%
12	11.404	1560	1566	1573	rBV	477042	607805	42.25%	6.047%
13	11.922	1649	1654	1667	rBV	33004	57285	3.98%	0.570%
14	12.986	1830	1835	1840	rBV	985041	1259533	87.55%	12.531%
15	13.898	1983	1990	2006	rBV	28084	87919	6.11%	0.875%
16	14.045	2010	2015	2026	rVB	278807	374279	26.02%	3.724%
17	15.539	2263	2269	2280	rVB	284632	440719	30.63%	4.385%

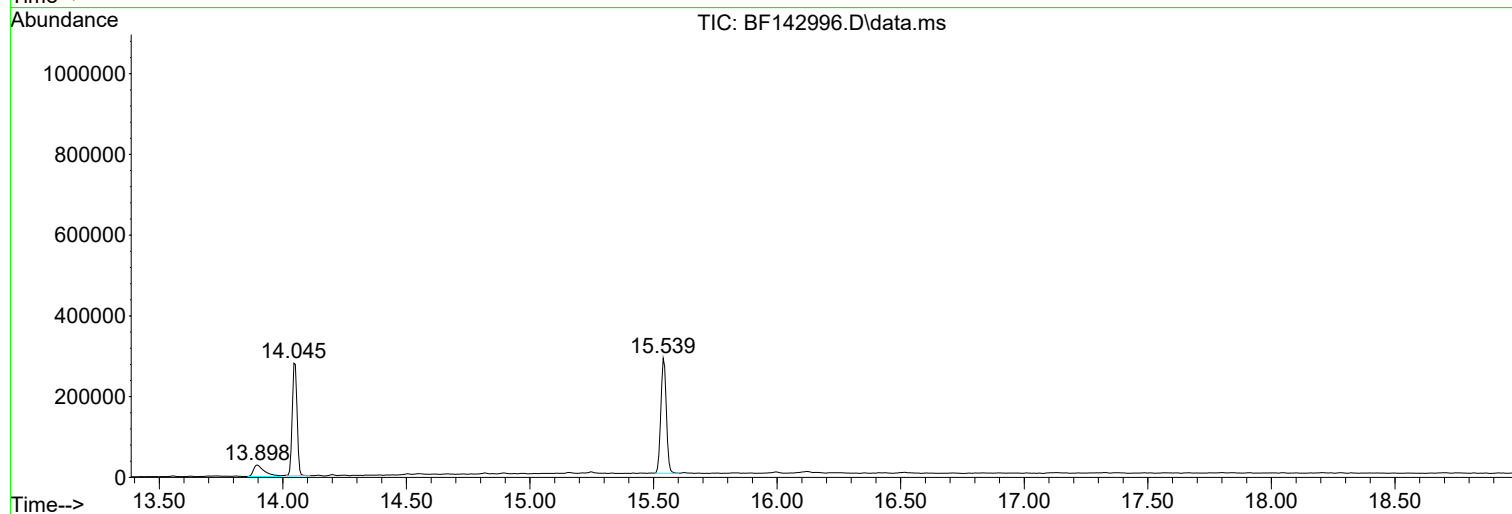
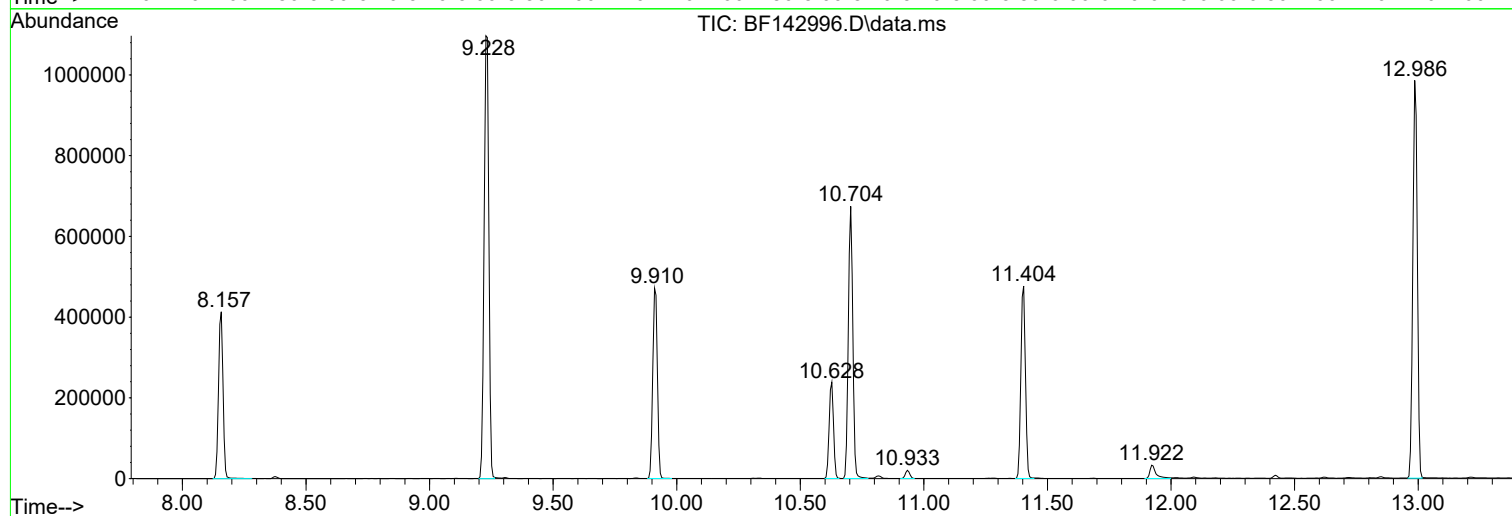
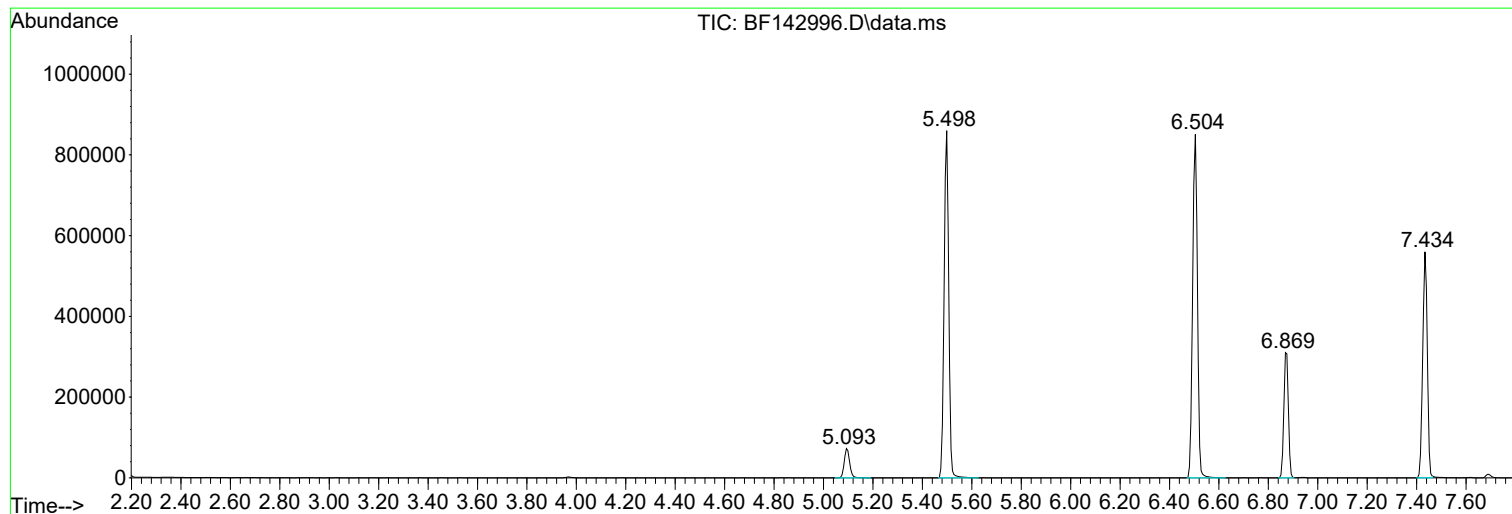
Sum of corrected areas: 10051666

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF070325\
Data File : BF142996.D
Acq On : 03 Jul 2025 14:56
Operator : RC/JU
Sample : Q2484-06
Misc :
ALS Vial : 11 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
TP-104

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\BF070325\
Data File : BF142996.D
Acq On : 03 Jul 2025 14:56
Operator : RC/JU
Sample : Q2484-06
Misc :
ALS Vial : 11 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
TP-104

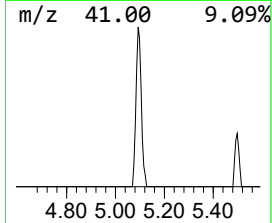
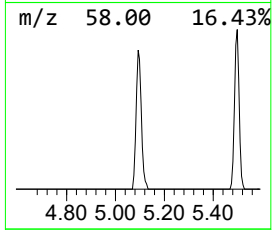
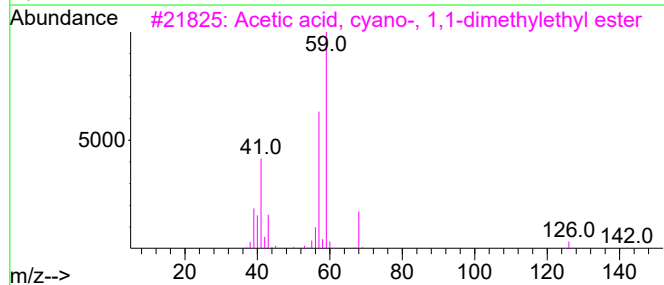
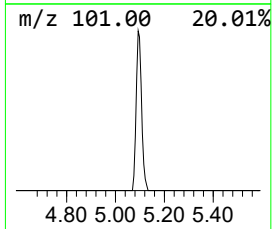
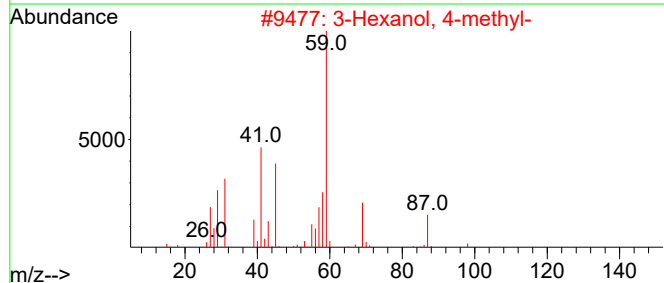
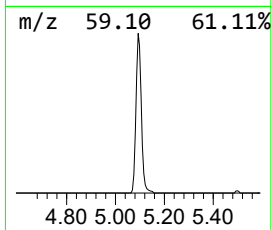
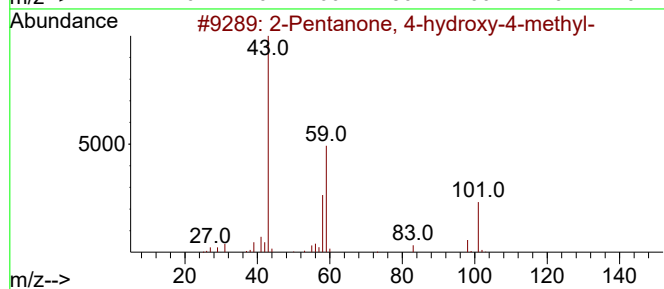
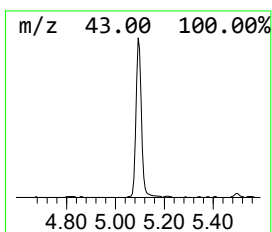
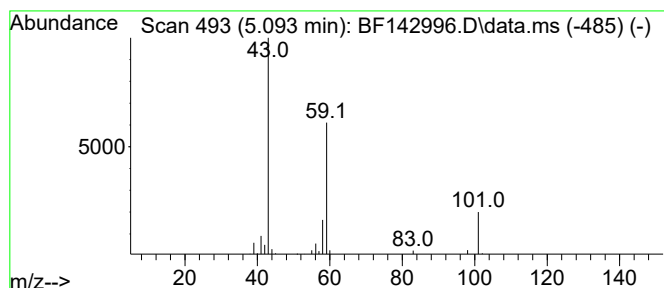
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF061925.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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.
5.093	5.66 ng	112062	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	72		
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	2,3-Butanedione, monooxime	101	C4H7NO2	000057-71-6	9		



Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF070325\
Data File : BF142996.D
Acq On : 03 Jul 2025 14:56
Operator : RC/JU
Sample : Q2484-06
Misc :
ALS Vial : 11 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
TP-104

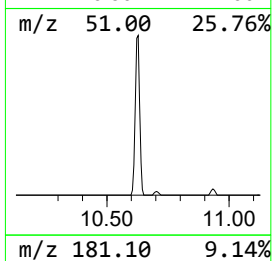
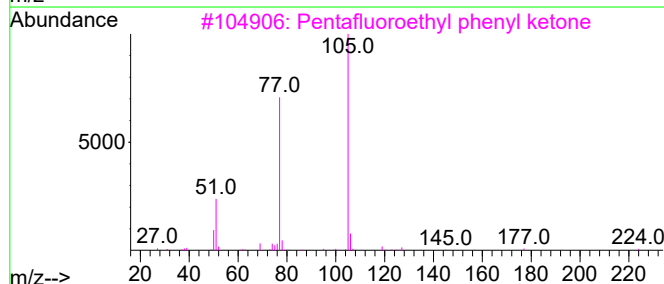
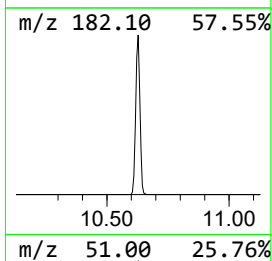
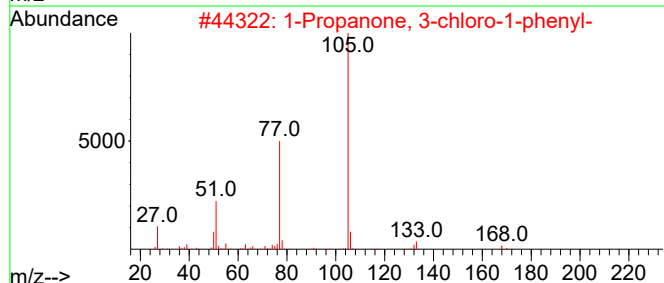
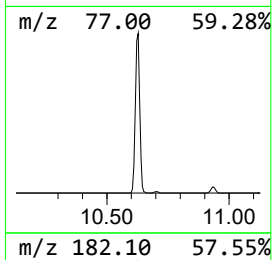
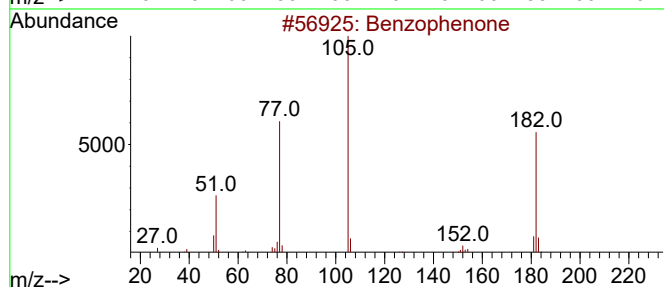
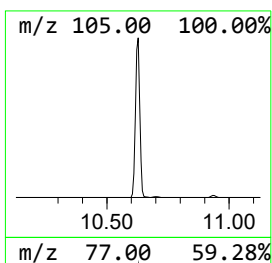
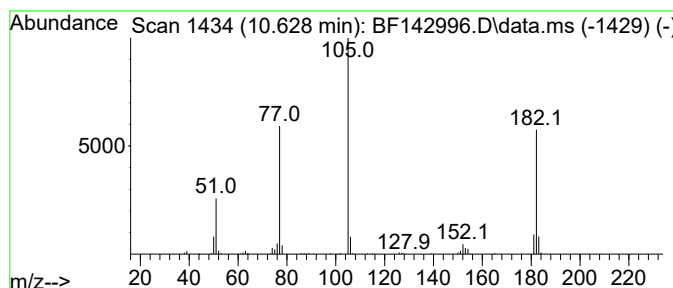
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF061925.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 2 Benzophenone Concentration Rank 1

R.T.	EstConc	Area	Relative to ISTD	R.T.
10.628	9.77 ng	294253	Acenaphthene-d10	9.910

Hit#	of	5	Tentative ID	MW	MolForm	CAS#	Qual
1			Benzophenone	182	C13H10O	000119-61-9	96
2			1-Propanone, 3-chloro-1-phenyl-	168	C9H9ClO	000936-59-4	47
3			Pentafluoroethyl phenyl ketone	224	C9H5F5O	000394-52-5	47
4			Benzenebutanoic acid, .gamma.-oxo-	178	C10H10O3	002051-95-8	47
5			acetic acid, 2-bromo-, 2-oxo-2-p...	256	C10H9BrO3	1000401-50-0	47



Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF070325\
Data File : BF142996.D
Acq On : 03 Jul 2025 14:56
Operator : RC/JU
Sample : Q2484-06
Misc :
ALS Vial : 11 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
TP-104

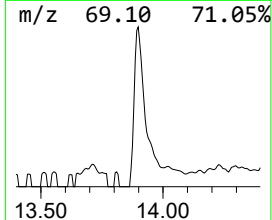
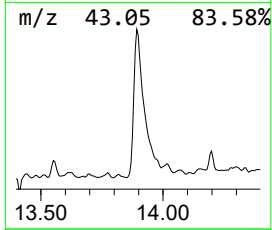
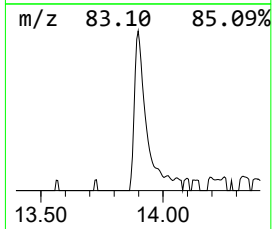
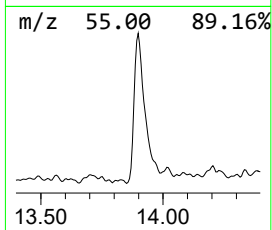
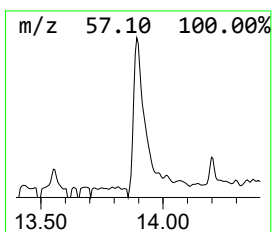
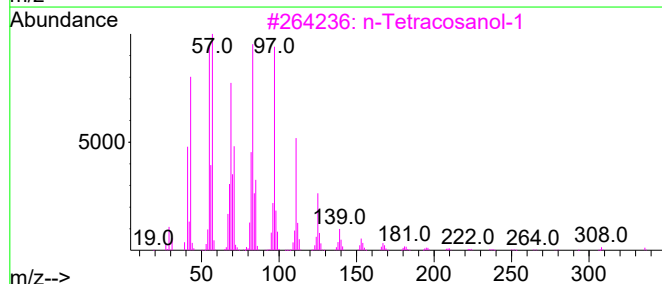
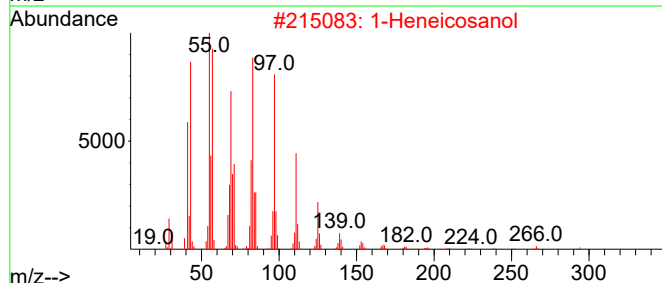
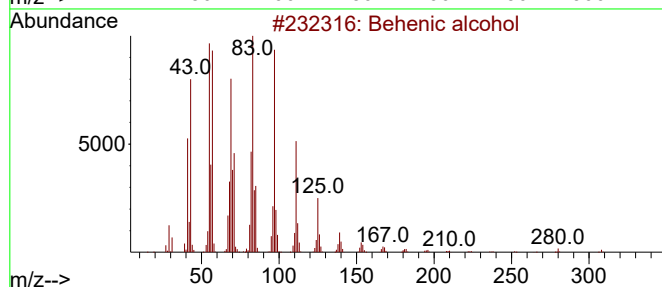
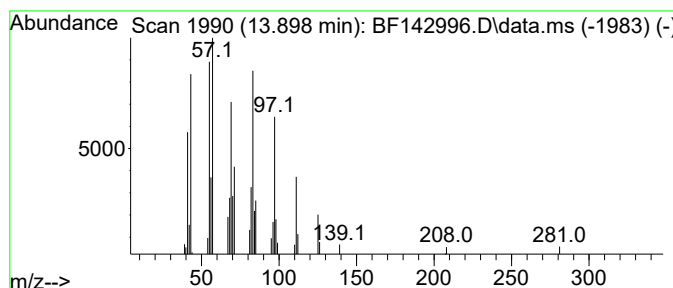
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF061925.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 3 Behenic alcohol Concentration Rank 3

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.898	4.70 ng	87919	Chrysene-d12	14.051

Hit#	of	5	Tentative ID	MW	MolForm	CAS#	Qual
1			Behenic alcohol	326	C22H46O	000661-19-8	95
2			1-Heneicosanol	312	C21H44O	015594-90-8	95
3			n-Tetracosanol-1	354	C24H50O	000506-51-4	95
4			Heptadecyl trifluoroacetate	352	C19H35F3O2	1010351-87-0	95
5			Trifluoroacetoxy hexadecane	338	C18H33F3O2	006222-03-3	93



Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF070325\
Data File : BF142996.D
Acq On : 03 Jul 2025 14:56
Operator : RC/JU
Sample : Q2484-06
Misc :
ALS Vial : 11 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
TP-104

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

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

TIC Top Hit name	RT	EstConc	Units	Response	--Internal Standard--			
					#	RT	Resp	Conc
2-Pentanone, 4-...	5.093	5.7	ng	112062	1	6.875	395634	20.0
Benzophenone	10.628	9.8	ng	294253	3	9.910	602223	20.0
Behenic alcohol	13.898	4.7	ng	87919	5	14.051	374279	20.0



CALIBRATION SUMMARY

6C

SEMIVOLATILE ORGANICS INITIAL CALIBRATION DATA

Lab Name: AllianceContract: CAMP02Lab Code: ACESDG No.: Q2484Instrument ID: BNA_FCalibration Date(s): 06/19/2025 06/19/2025Calibration 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



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

6C

SEMIVOLATILE ORGANICS INITIAL CALIBRATION DATA

Lab Name: AllianceContract: CAMP02Lab Code: ACESDG No.: Q2484Instrument ID: BNA_FCalibration Date(s): 06/19/2025 06/19/2025Calibration 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: AllianceContract: CAMP02Lab Code: ACESDG No.: Q2484Instrument ID: BNA_FCalibration Date(s): 06/19/2025 06/19/2025Calibration Time(s): 17:07 20:40

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

All other compounds must meet a minimum RRF of 0.010.

Form VI SV-1

Method Path : Z:\svoasrv\HPCHEM1\BNA_F\Methods\
 Method File : 8270-BF061925.M
 Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 Last Update : Fri Jun 20 05:06:14 2025
 Response Via : Initial Calibration

Calibration Files

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

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

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

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

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

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

(#) = Out of Range

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

Instrument :
 BNA_F
 ClientSampleId :
 SSTDICC2.5

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

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

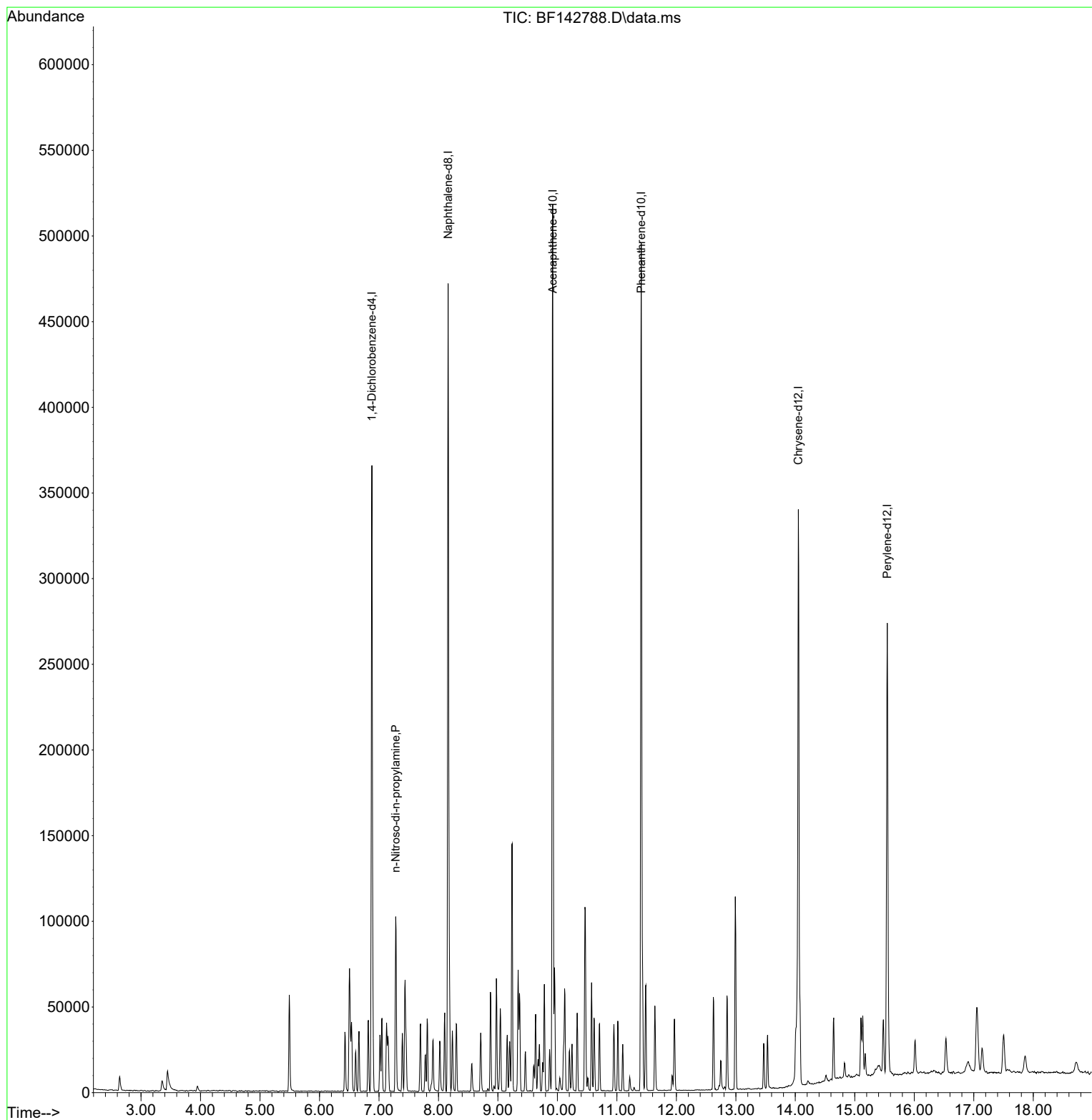
Internal Standards						
1) 1,4-Dichlorobenzene-d4	6.881	152	77977	20.000	ng	0.00
21) Naphthalene-d8	8.163	136	295295	20.000	ng	0.00
39) Acenaphthene-d10	9.922	164	153580	20.000	ng	0.00
64) Phenanthrene-d10	11.410	188	258429	20.000	ng	0.00
76) Chrysene-d12	14.051	240	149767	20.000	ng	0.00
86) Perylene-d12	15.545	264	154736	20.000	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	0.000	112	0d	0.000	ng	
7) Phenol-d6	0.000	99	0d	0.000	ng	
23) Nitrobenzene-d5	0.000	82	0d	0.000	ng	
42) 2,4,6-Tribromophenol	0.000	330	0d	0.000	ng	
45) 2-Fluorobiphenyl	0.000	172	0d	0.000	ng	
79) Terphenyl-d14	0.000	244	0d	0.000	ng	
Target Compounds						
19) n-Nitroso-di-n-propyla...	7.281	70	8100	2.392	ng	Qvalue 97

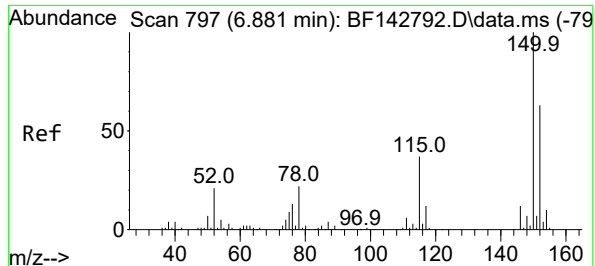
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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

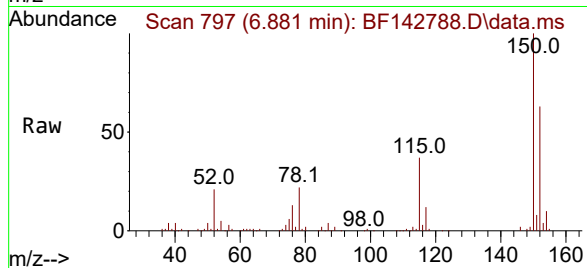
Quant Time: Jun 20 04:37:10 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF061925.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Fri Jun 20 04:36:38 2025
Response via : Initial Calibration



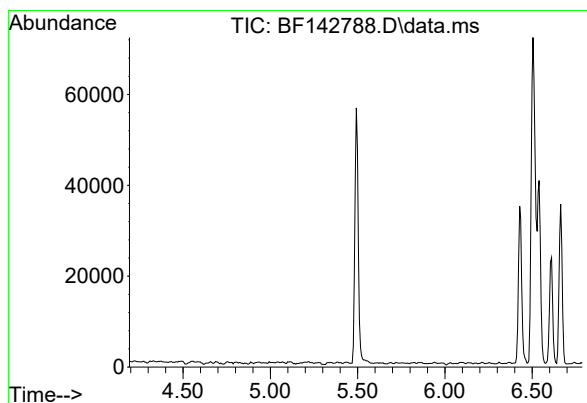
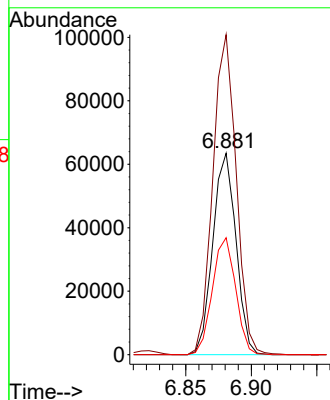
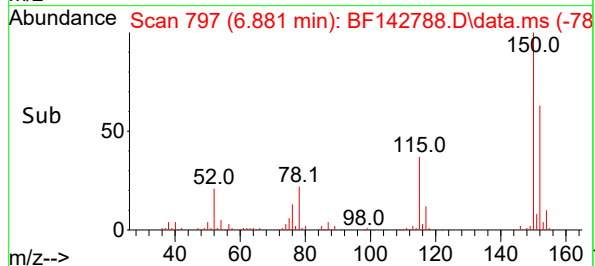


#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.881 min Scan# 79
Delta R.T. -0.000 min
Lab File: BF142788.D
Acq: 19 Jun 2025 17:07

Instrument :
BNA_F
ClientSampleId :
SSTDICC2.5



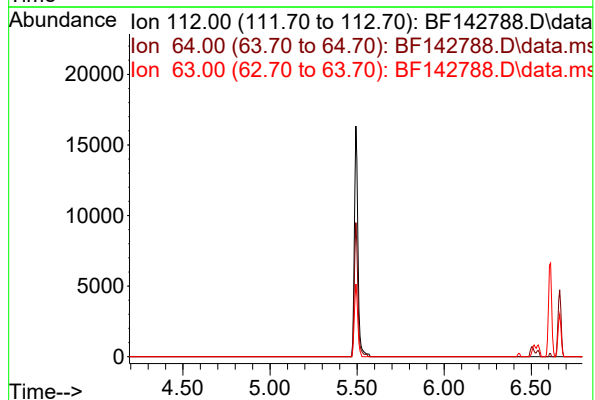
Tgt Ion:152 Resp: 77977
Ion Ratio Lower Upper
152 100
150 158.8 127.2 190.8
115 58.1 46.6 69.8



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

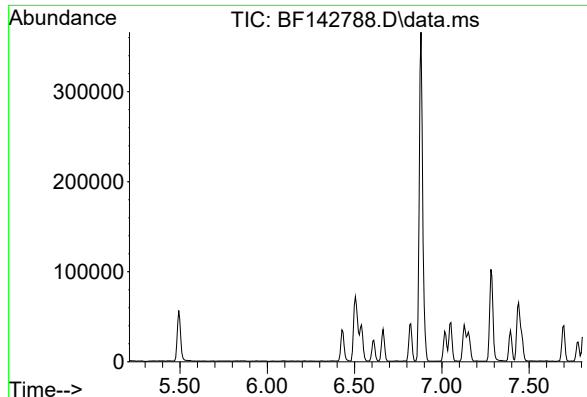
Lab File: BF142788.D
Acq: 19 Jun 2025 17:07

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



Ion 64.00 (63.70 to 64.70): BF142788.D\data.ms

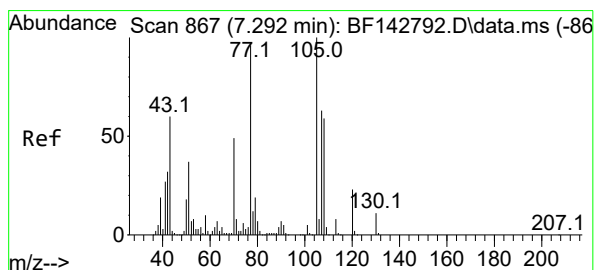
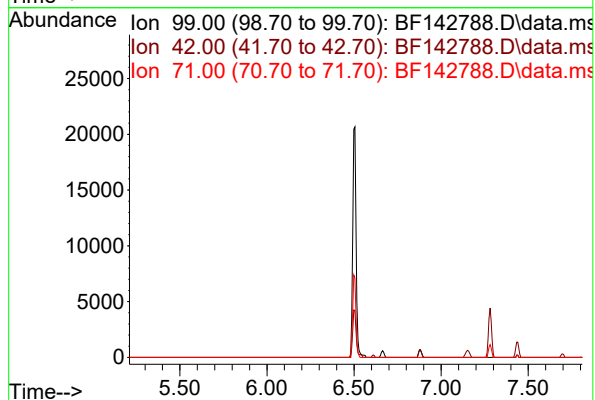
Ion 63.00 (62.70 to 63.70): BF142788.D\data.ms



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

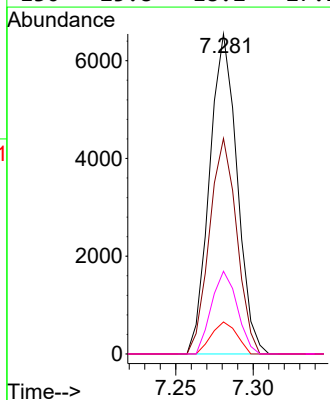
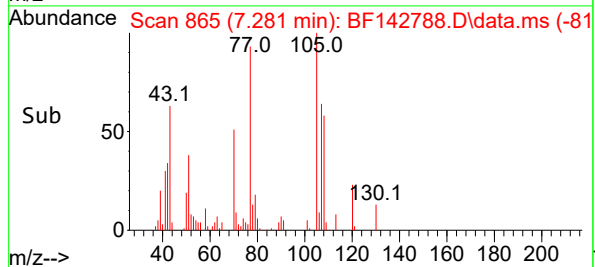
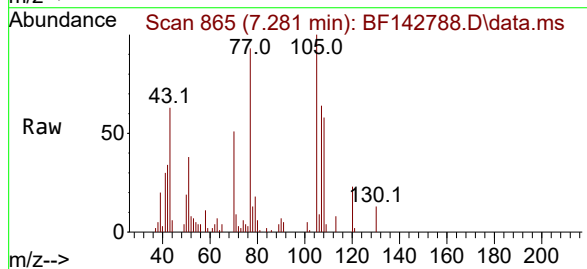
Instrument :
BNA_F
ClientSampleId :
SSTDICC2.5

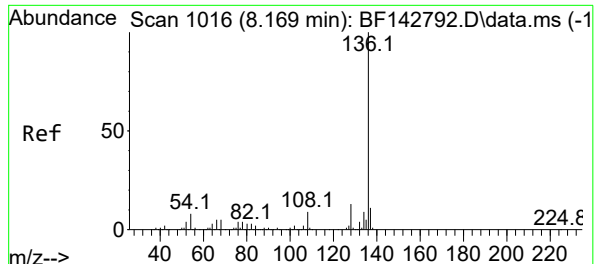
Tgt Ion: 99
Sig Exp Ratio
99 100
42 19.9
71 34.8



#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

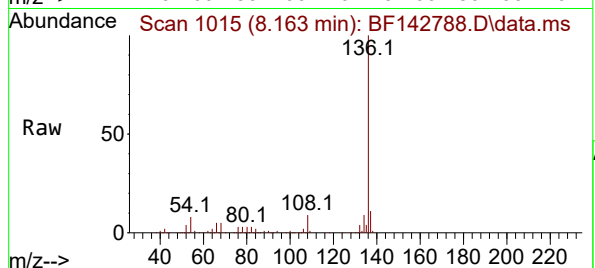
Acq: 19 Jun 2025 17:07

Instrument :

BNA_F

ClientSampleId :

SSTDICC2.5



Tgt Ion:136 Resp: 295295

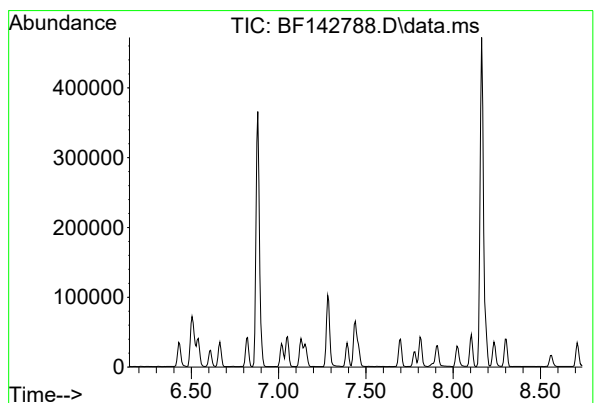
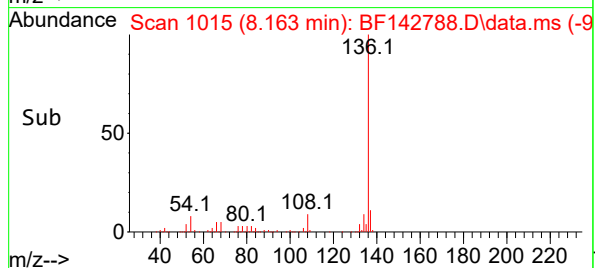
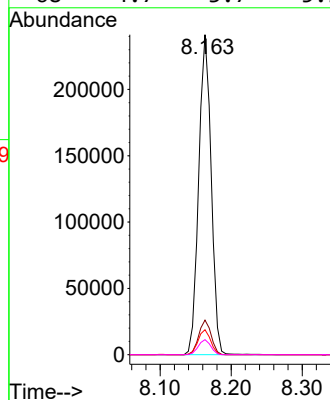
Ion Ratio Lower Upper

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

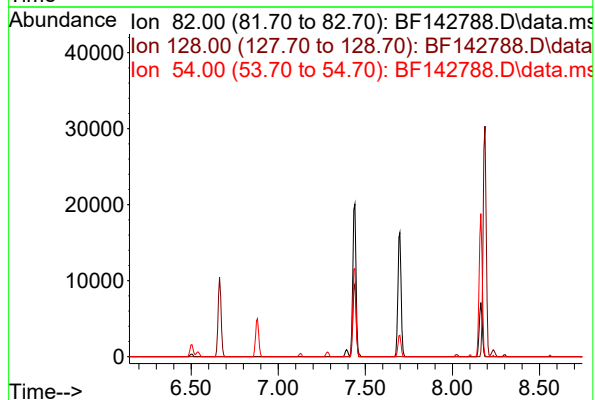
Tgt Ion: 82

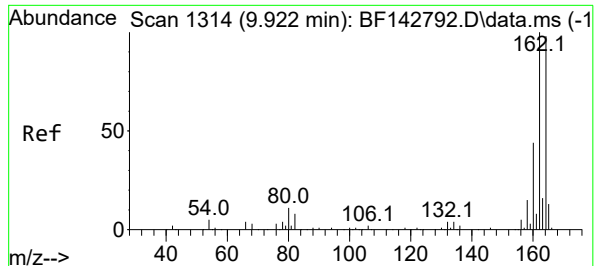
Sig Exp Ratio

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

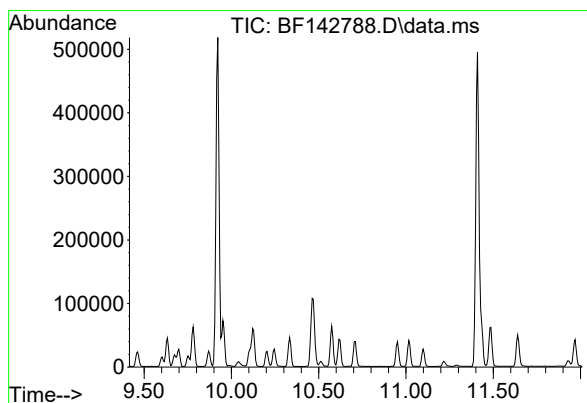
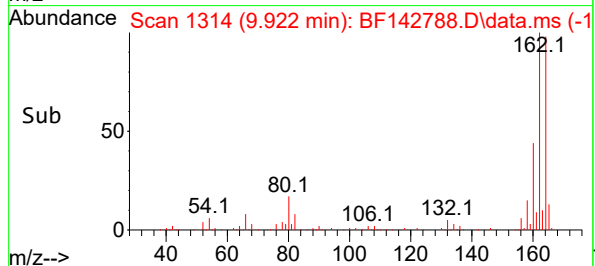
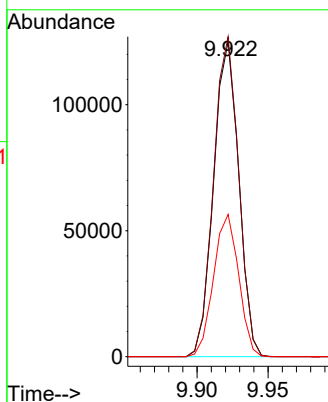
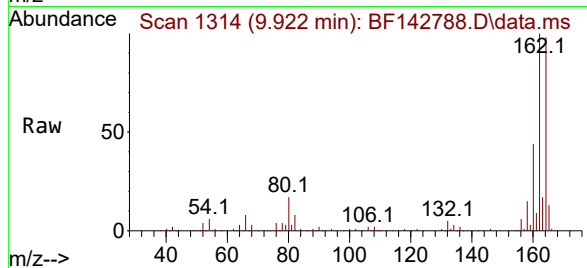
Tgt Ion:164 Resp: 153580

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

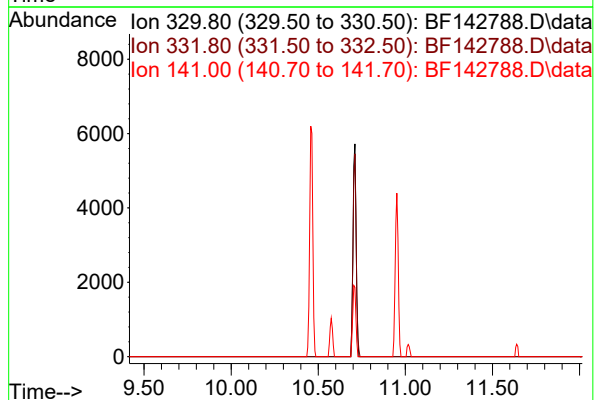
Tgt Ion: 330

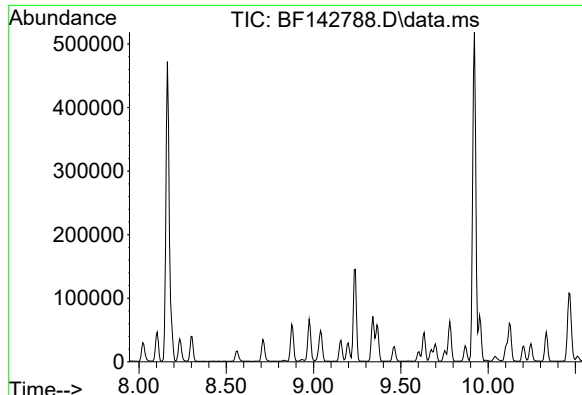
Sig Exp Ratio

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

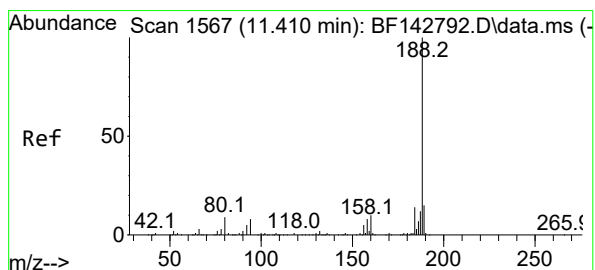
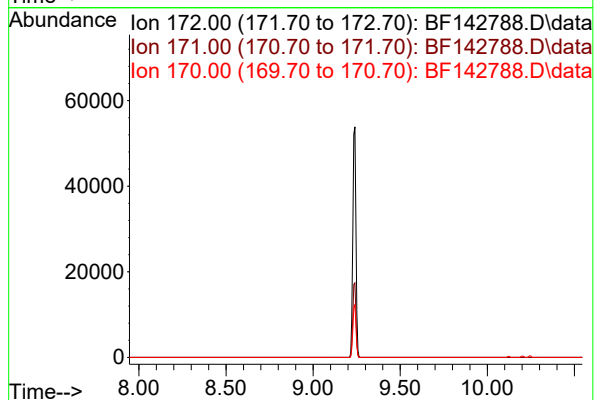
Tgt Ion: 172

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

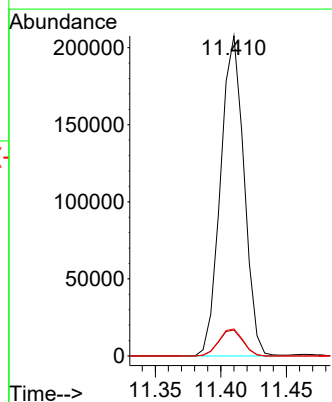
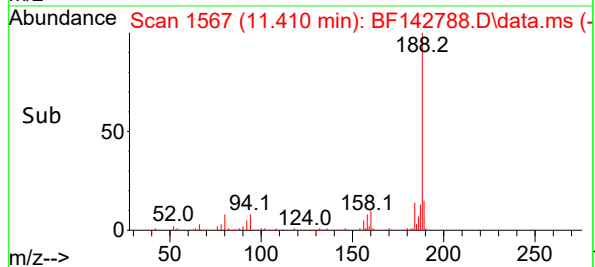
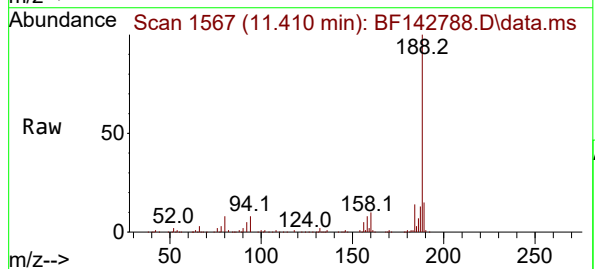
Tgt Ion:188 Resp: 258429

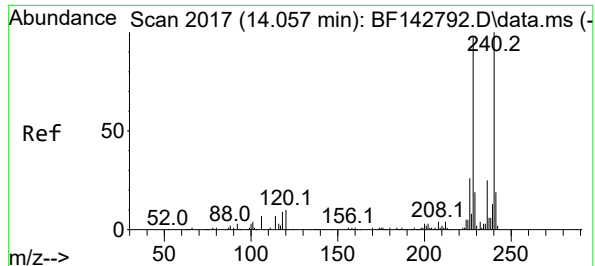
Ion Ratio Lower Upper

188 100

94 8.1 6.7 10.1

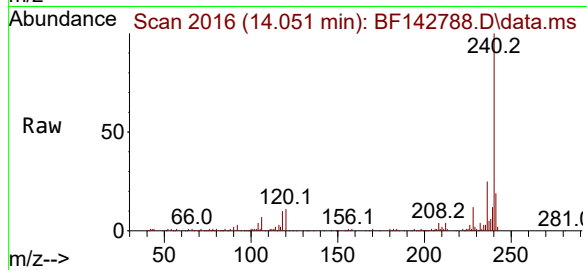
80 8.5 6.9 10.3



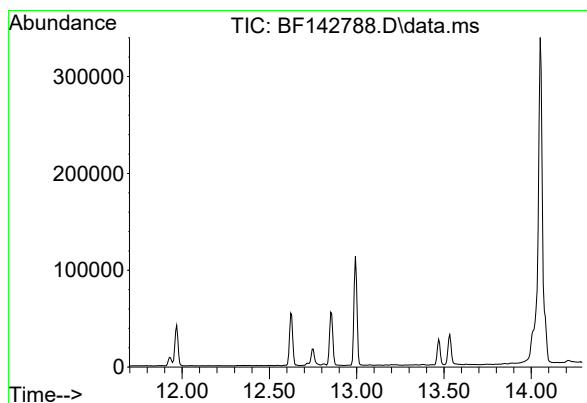
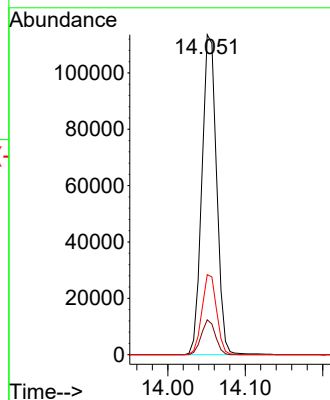
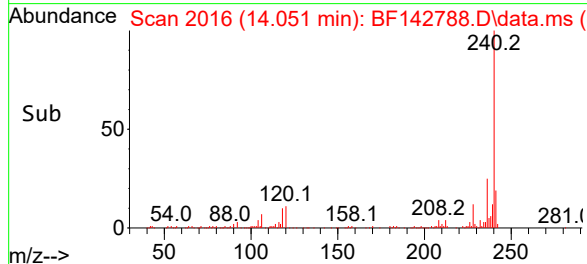


#76
Chrysene-d12
Concen: 20.000 ng
RT: 14.051 min Scan# 20
Delta R.T. -0.006 min
Lab File: BF142788.D
Acq: 19 Jun 2025 17:07

Instrument :
BNA_F
ClientSampleId :
SSTDICC2.5



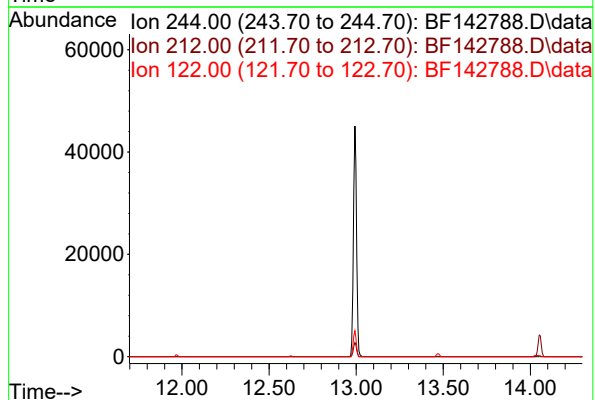
Tgt Ion:240 Resp: 149767
Ion Ratio Lower Upper
240 100
120 10.9 8.2 12.2
236 25.0 19.8 29.8



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

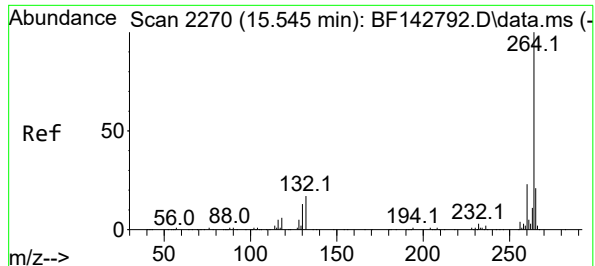
Lab File: BF142788.D
Acq: 19 Jun 2025 17:07

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

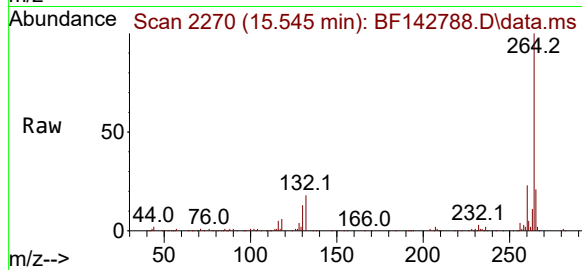
Acq: 19 Jun 2025 17:07

Instrument :

BNA_F

ClientSampleId :

SSTDICC2.5



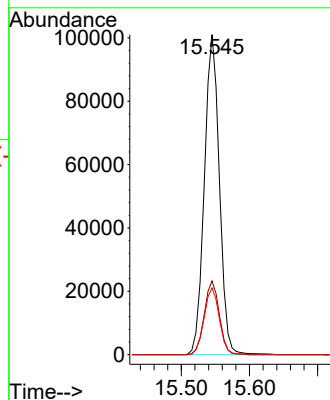
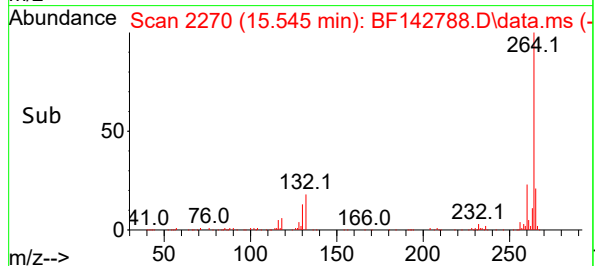
Tgt Ion:264 Resp: 154736

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

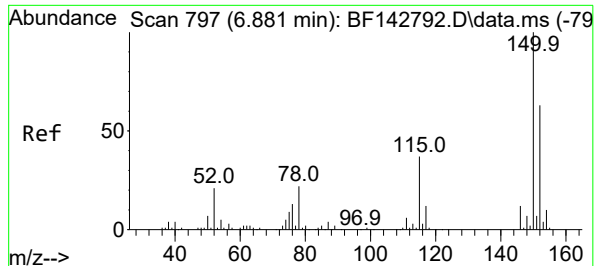
Quant Time: Jun 20 04:37:53 2025
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF061925.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Fri Jun 20 04:36:38 2025
 Response via : Initial Calibration

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

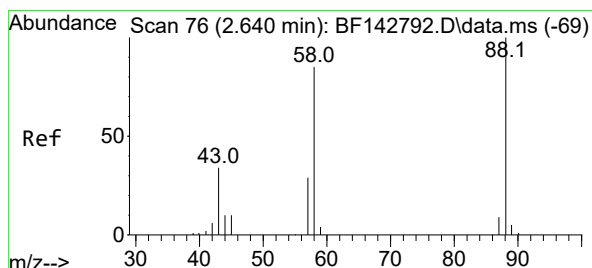
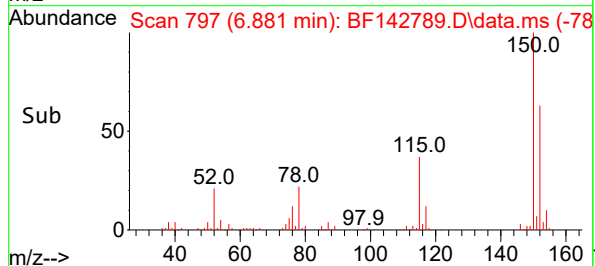
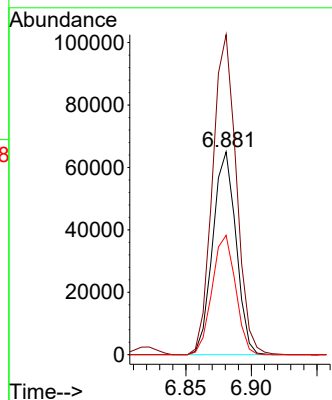
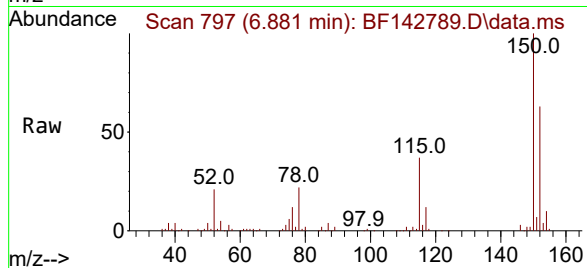
[illegible]



#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

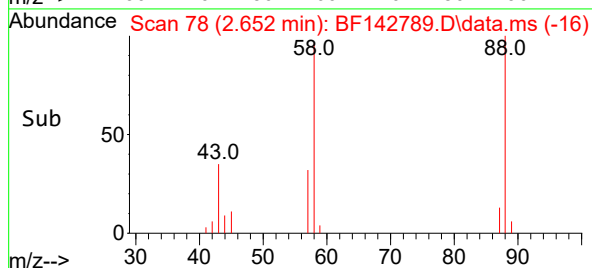
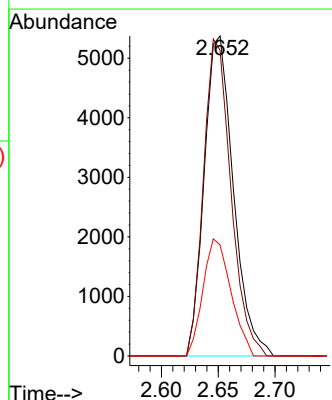
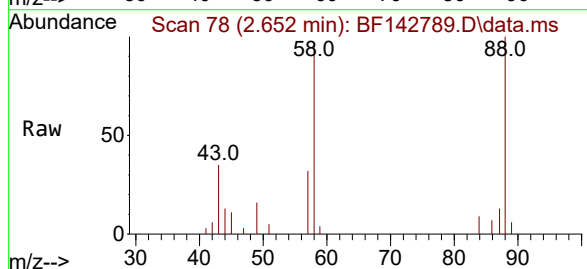
Instrument :
BNA_F
ClientSampleId :
SSTDICC005

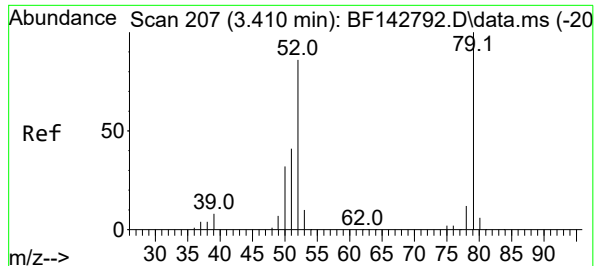
Tgt Ion:152 Resp: 80144
Ion Ratio Lower Upper
152 100
150 157.7 127.2 190.8
115 58.8 46.6 69.8



#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

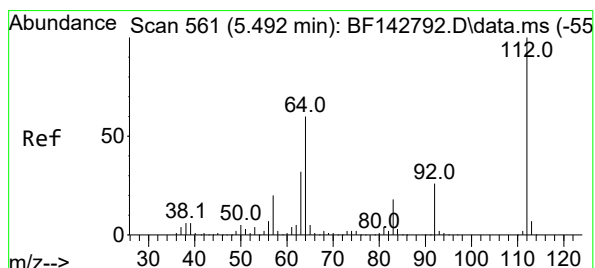
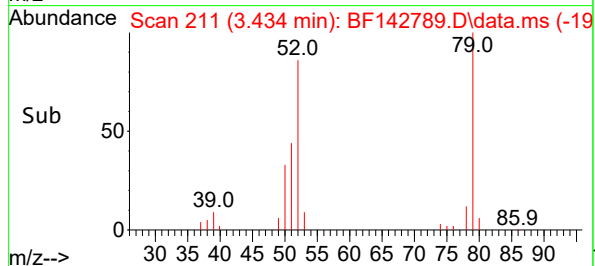
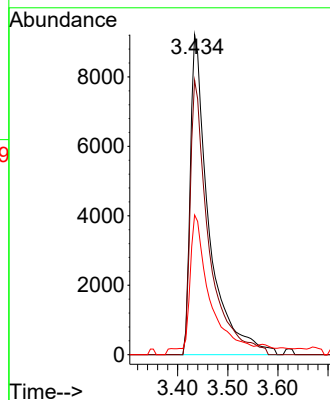
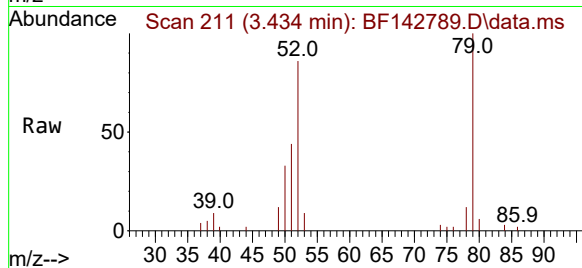
Tgt Ion: 79 Resp: 23835

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

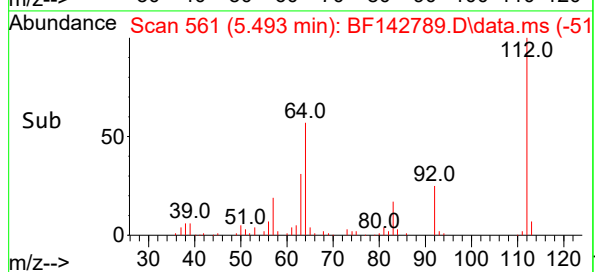
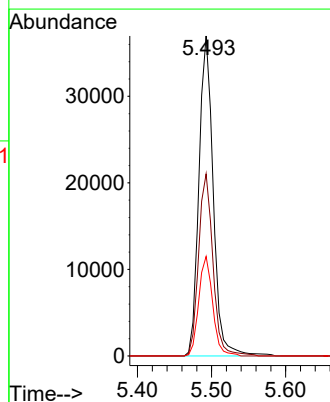
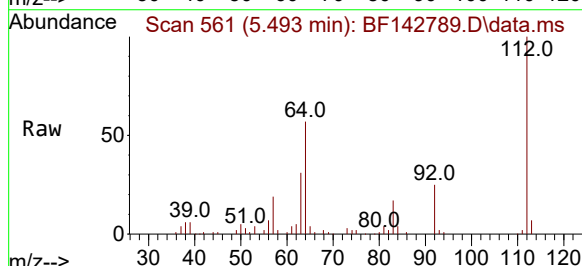
Tgt Ion: 112 Resp: 49599

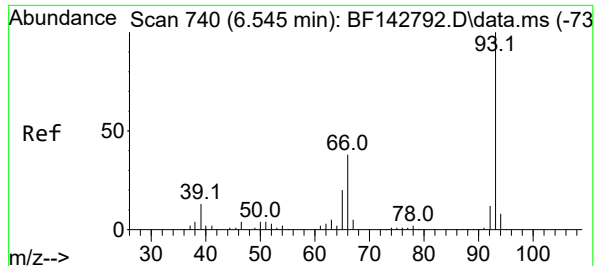
Ion Ratio Lower Upper

112 100

64 56.9 48.2 72.2

63 31.1 25.7 38.5

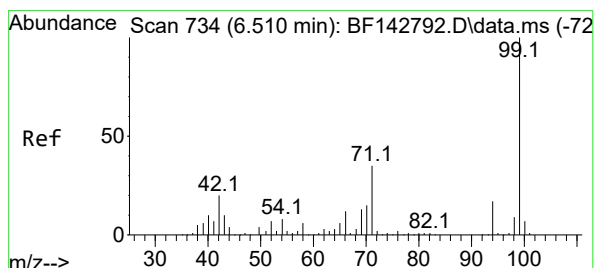
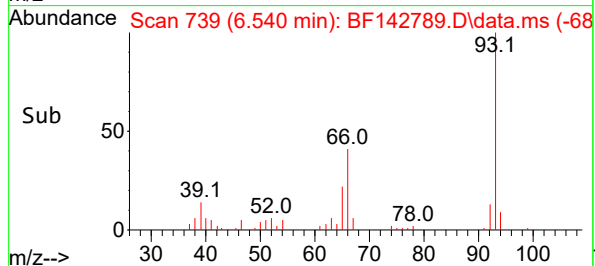
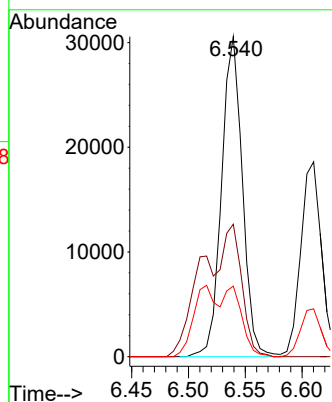
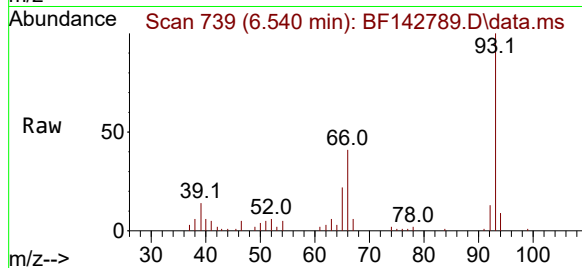




#6
Aniline
Concen: 5.286 ng
RT: 6.540 min Scan# 71
Delta R.T. -0.006 min
Lab File: BF142789.D
Acq: 19 Jun 2025 17:38

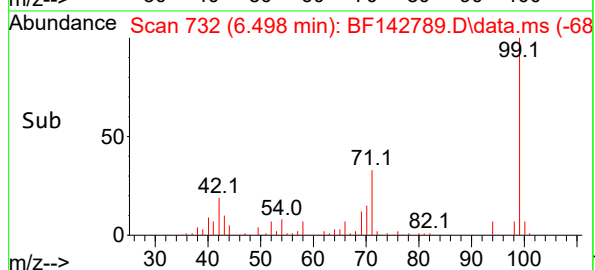
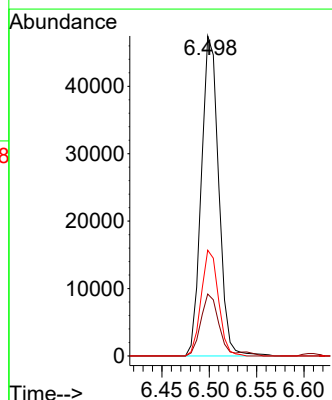
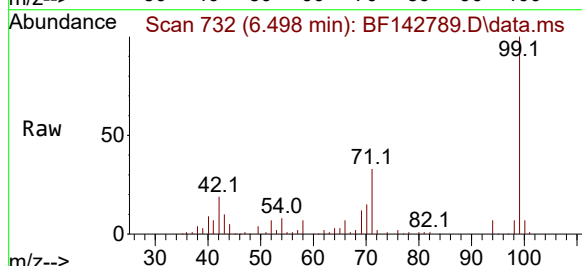
Instrument :
BNA_F
ClientSampleId :
SSTDICC005

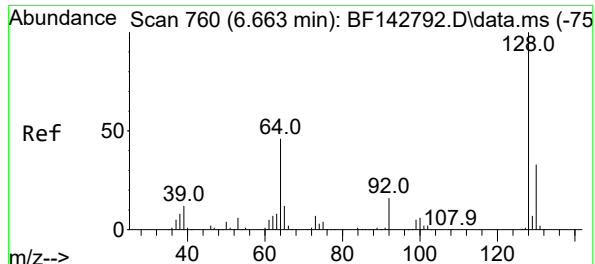
Tgt Ion: 93 Resp: 39088
Ion Ratio Lower Upper
93 100
66 41.4 31.8 47.6
65 22.0 16.2 24.2



#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

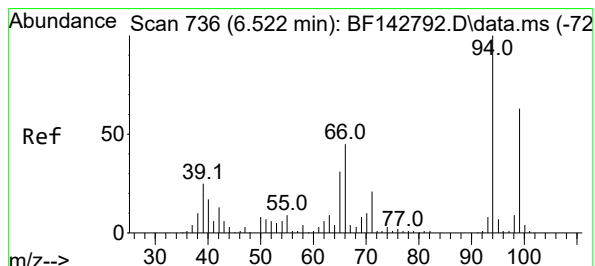
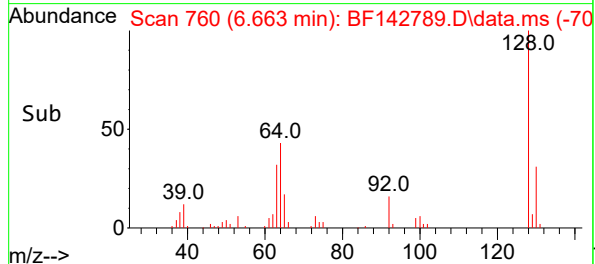
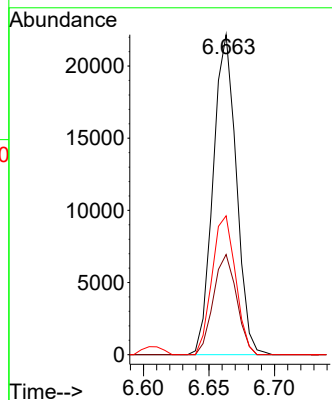
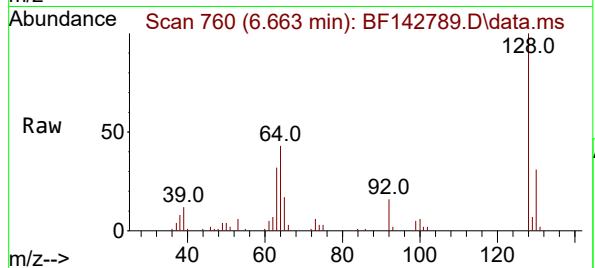




#8
2-Chlorophenol
Concen: 5.332 ng
RT: 6.663 min Scan# 760
Delta R.T. 0.000 min
Lab File: BF142789.D
Acq: 19 Jun 2025 17:38

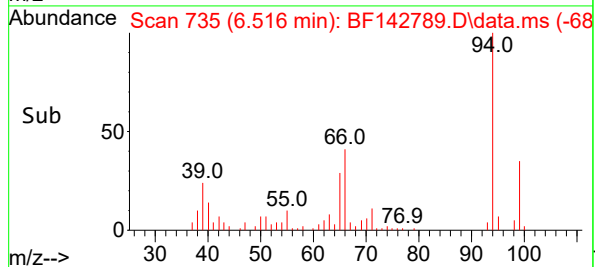
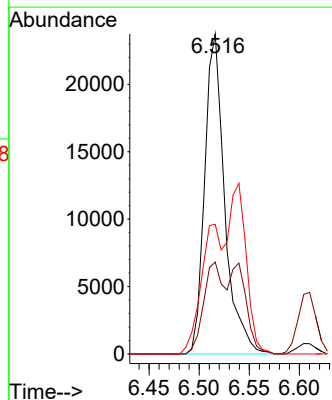
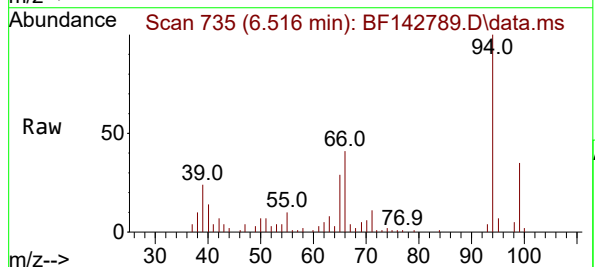
Instrument :
BNA_F
ClientSampleId :
SSTDICC005

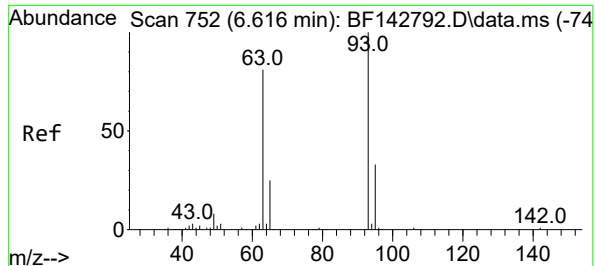
Tgt Ion:128 Resp: 27282
Ion Ratio Lower Upper
128 100
130 31.3 12.7 52.7
64 43.4 26.5 66.5



#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

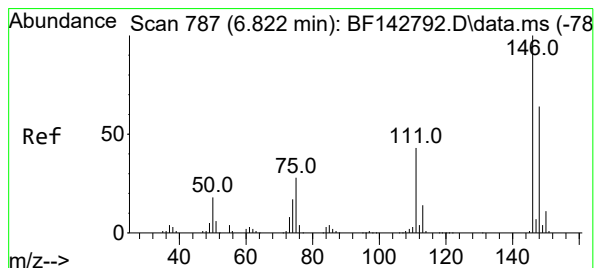
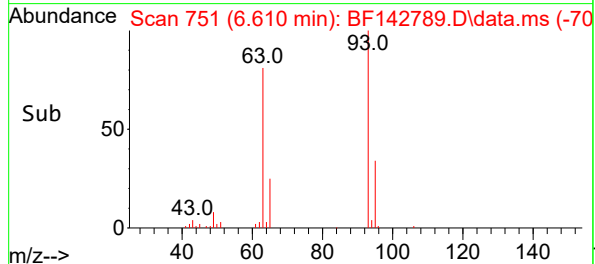
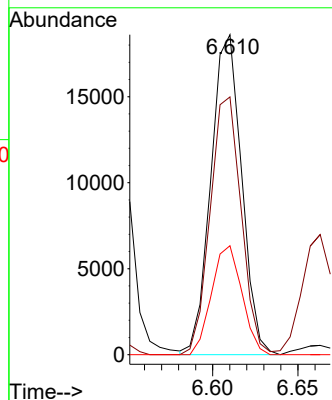
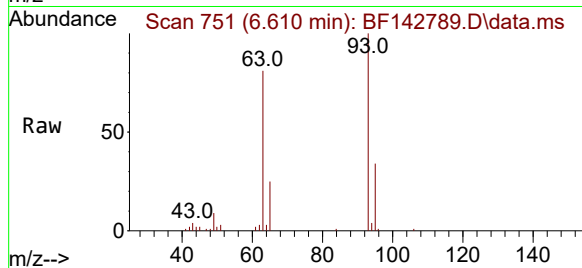




#11
bis(2-Chloroethyl)ether
Concen: 5.122 ng
RT: 6.610 min Scan# 751
Delta R.T. -0.006 min
Lab File: BF142789.D
Acq: 19 Jun 2025 17:38

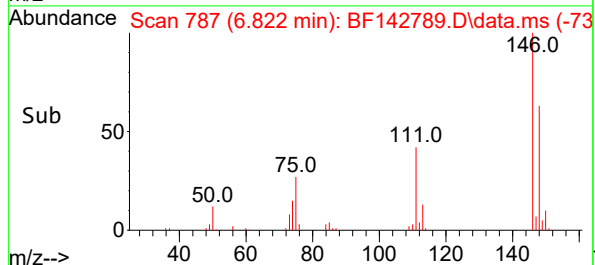
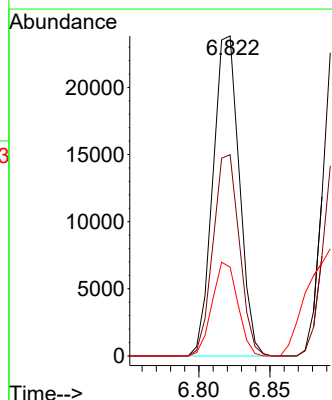
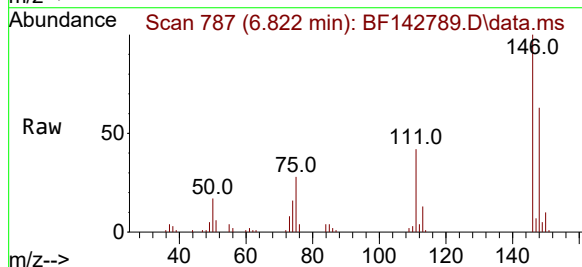
Instrument :
BNA_F
ClientSampleId :
SSTDICC005

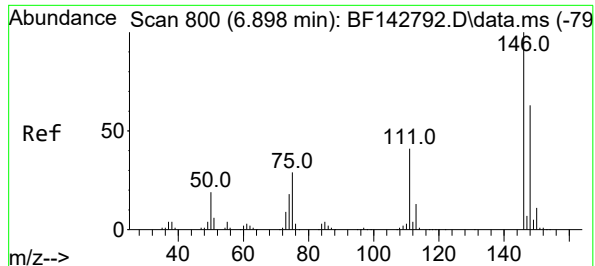
Tgt Ion:	93	Resp:	23378
Ion	Ratio	Lower	Upper
93	100		
63	80.6	60.3	100.3
95	34.1	12.5	52.5



#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

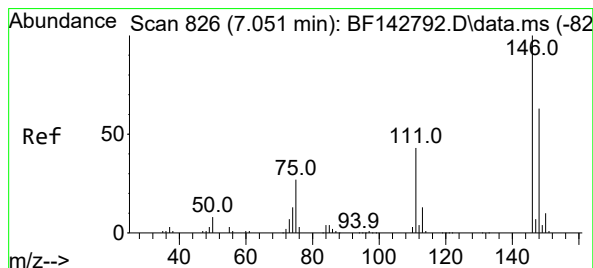
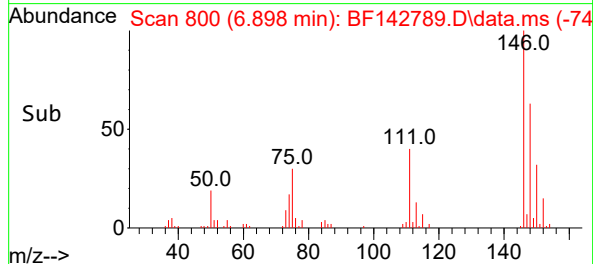
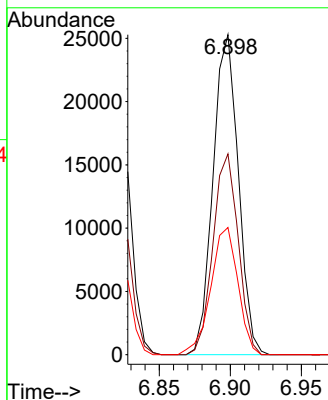
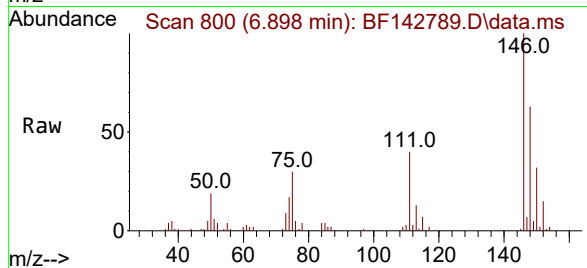
Tgt Ion:146 Resp: 31311

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

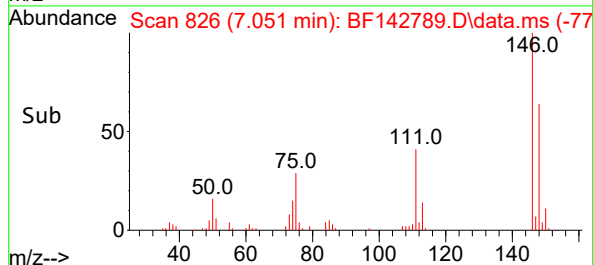
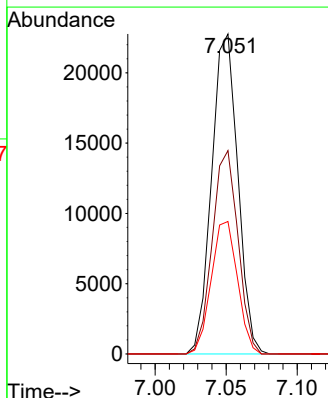
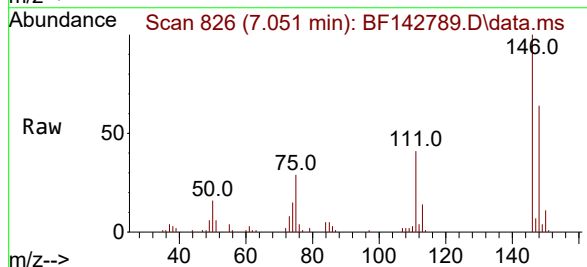
Tgt Ion:146 Resp: 29215

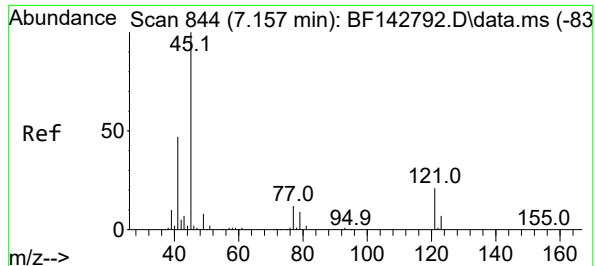
Ion Ratio Lower Upper

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

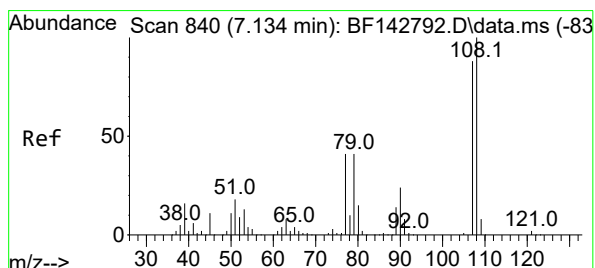
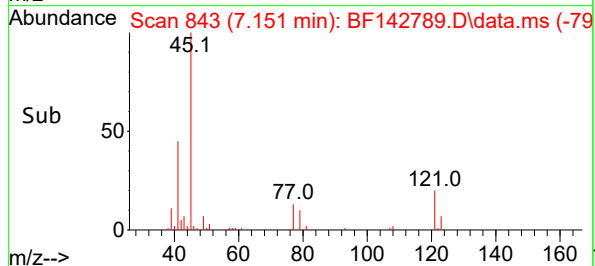
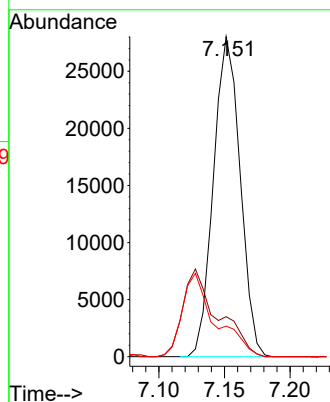
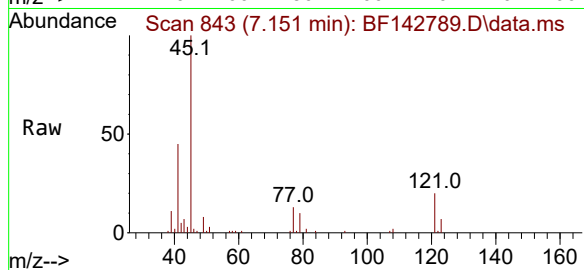
Tgt Ion: 45 Resp: 39577

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

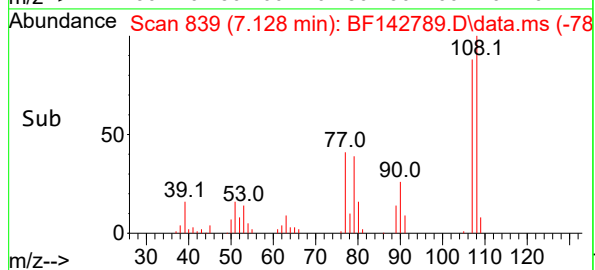
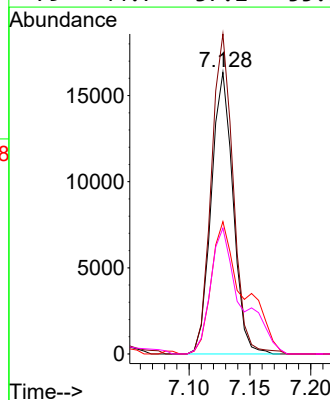
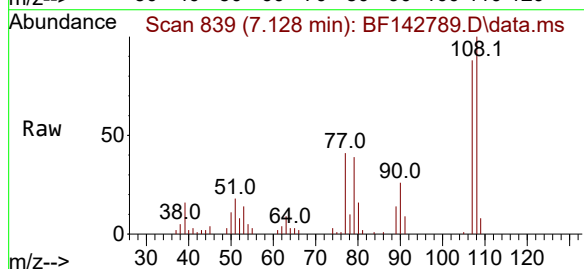
Ion Ratio Lower Upper

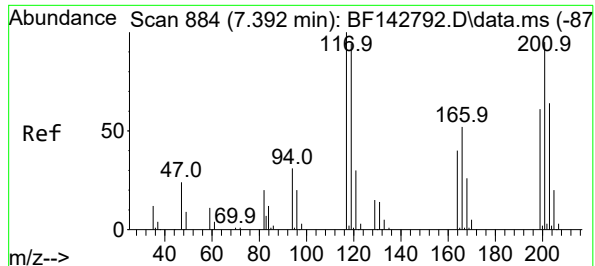
107 100

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 :

SSTDIC005

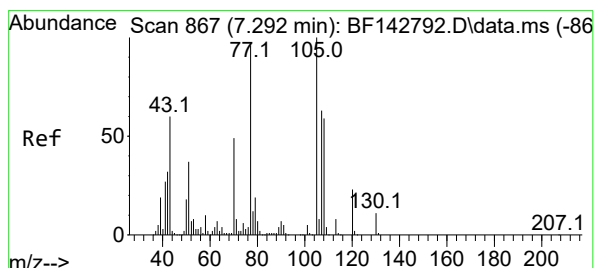
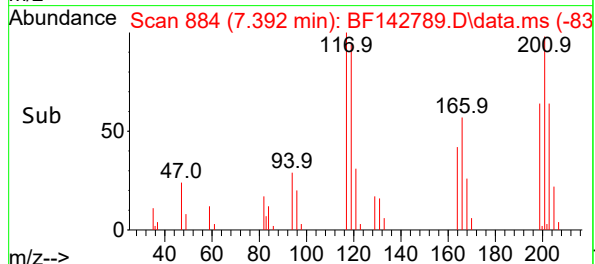
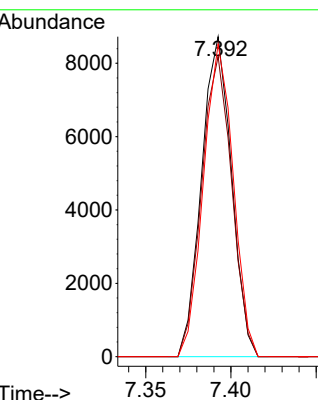
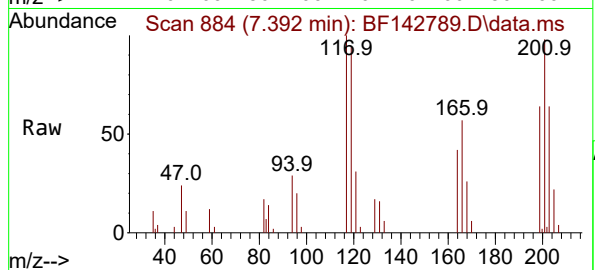
Tgt Ion:117 Resp: 10670

Ion Ratio Lower Upper

117 100

119 93.8 75.4 113.0

201 97.7 75.9 113.9



#19

n-Nitroso-di-n-propylamine

Concen: 5.061 ng

RT: 7.281 min Scan# 865

Delta R.T. -0.012 min

Lab File: BF142789.D

Acq: 19 Jun 2025 17:38

Tgt Ion: 70 Resp: 17612

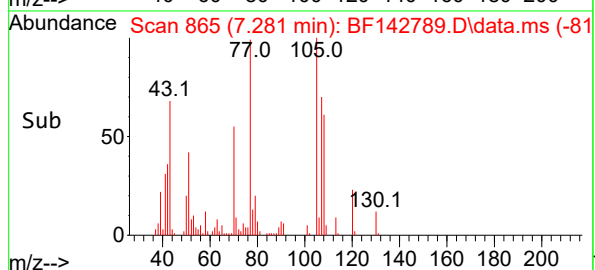
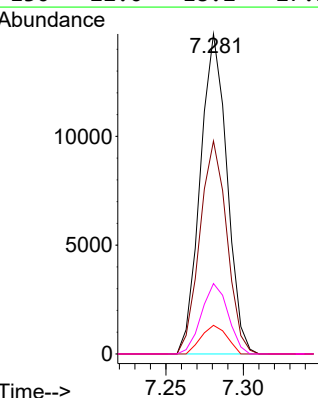
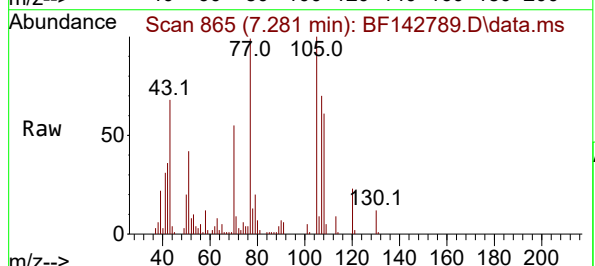
Ion Ratio Lower Upper

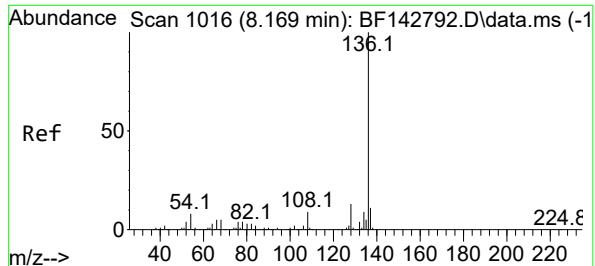
70 100

42 66.5 52.1 78.1

101 8.9 8.2 12.2

130 22.0 18.2 27.2





#21

Naphthalene-d8

Concen: 20.000 ng

RT: 8.163 min Scan# 1015

Delta R.T. -0.006 min

Lab File: BF142789.D

Acq: 19 Jun 2025 17:38

Instrument :

BNA_F

ClientSampleId :

SSTDICC005

Tgt Ion:136 Resp: 305306

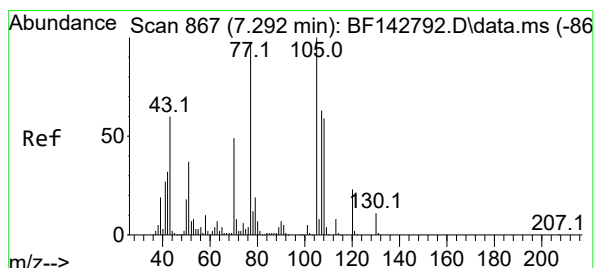
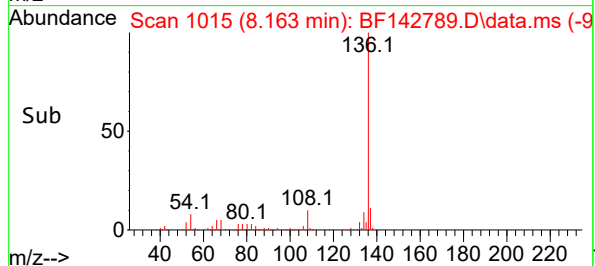
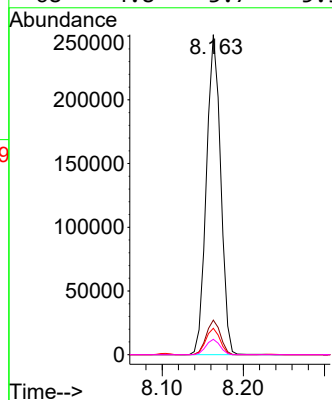
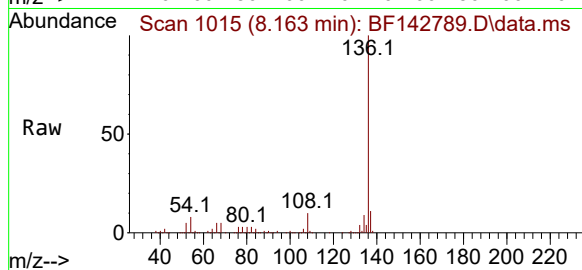
Ion Ratio Lower Upper

136 100

137 10.8 8.4 12.6

54 8.3 6.3 9.5

68 4.8 3.7 5.5



#22

Acetophenone

Concen: 5.240 ng

RT: 7.281 min Scan# 865

Delta R.T. -0.012 min

Lab File: BF142789.D

Acq: 19 Jun 2025 17:38

Tgt Ion:105 Resp: 35396

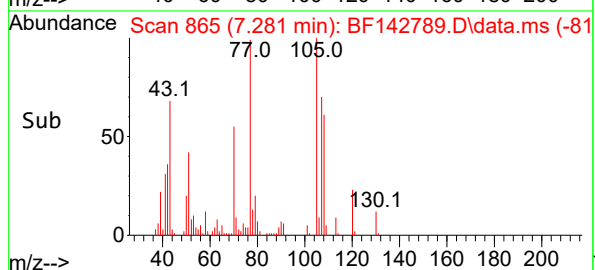
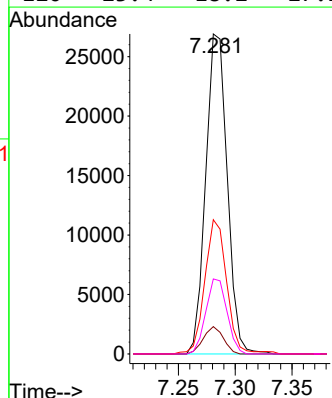
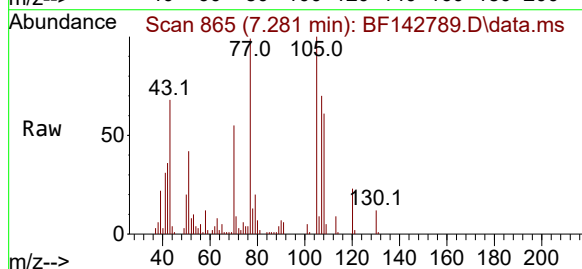
Ion Ratio Lower Upper

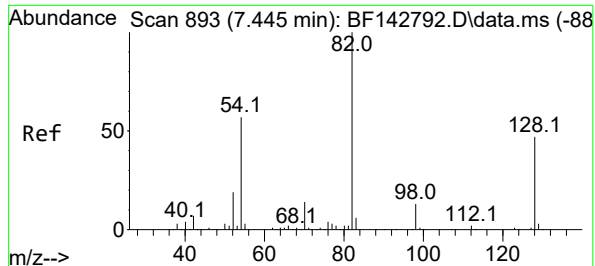
105 100

71 8.5 6.5 9.7

51 41.9 29.8 44.8

120 23.4 18.2 27.2





#23

Nitrobenzene-d5

Concen: 10.106 ng

RT: 7.439 min Scan# 891

Delta R.T. -0.006 min

Lab File: BF142789.D

Acq: 19 Jun 2025 17:38

Instrument :

BNA_F

ClientSampleId :

SSTDICC005

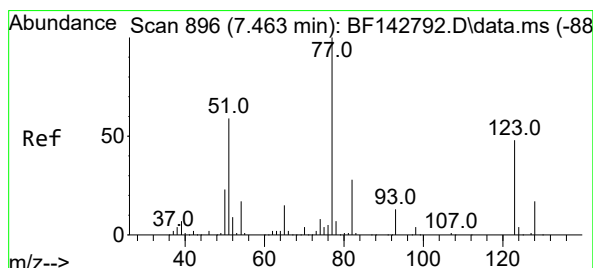
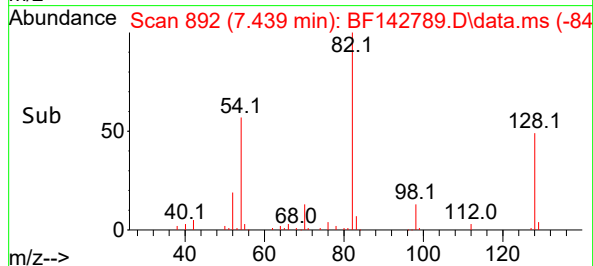
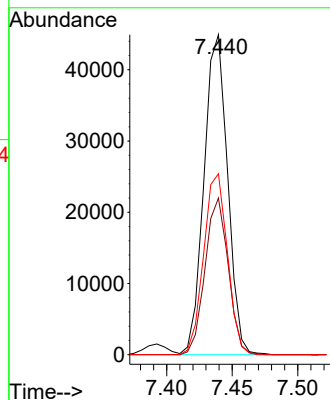
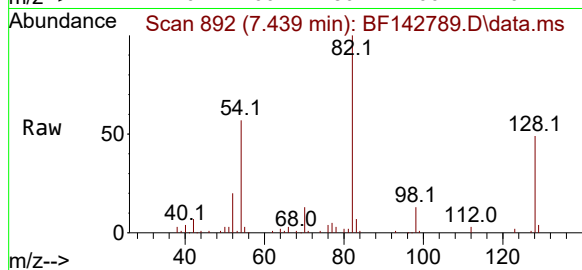
Tgt Ion: 82 Resp: 56291

Ion Ratio Lower Upper

82 100

128 48.9 37.7 56.5

54 56.6 45.7 68.5



#24

Nitrobenzene

Concen: 5.324 ng

RT: 7.457 min Scan# 895

Delta R.T. -0.006 min

Lab File: BF142789.D

Acq: 19 Jun 2025 17:38

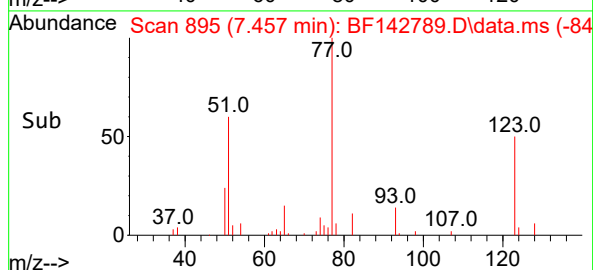
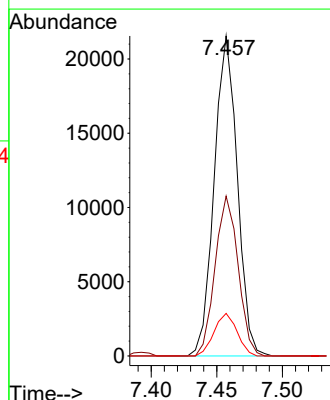
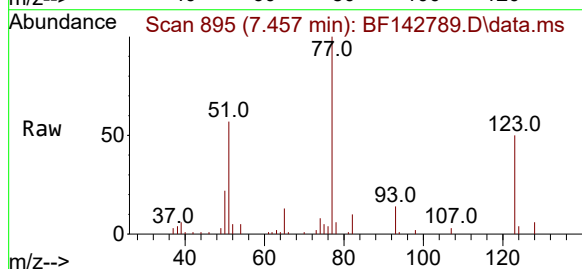
Tgt Ion: 77 Resp: 26353

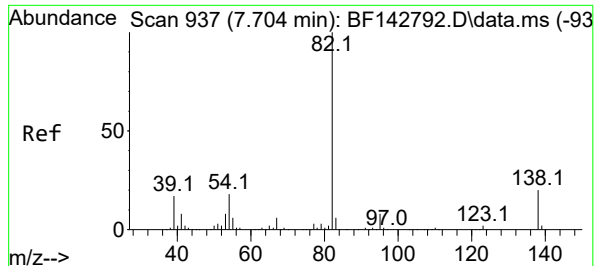
Ion Ratio Lower Upper

77 100

123 49.9 39.2 58.8

65 13.3 11.6 17.4





#25

Isophorone

Concen: 4.997 ng

RT: 7.698 min Scan# 91

Delta R.T. -0.006 min

Lab File: BF142789.D

Acq: 19 Jun 2025 17:38

Instrument :

BNA_F

ClientSampleId :

SSTDICC005

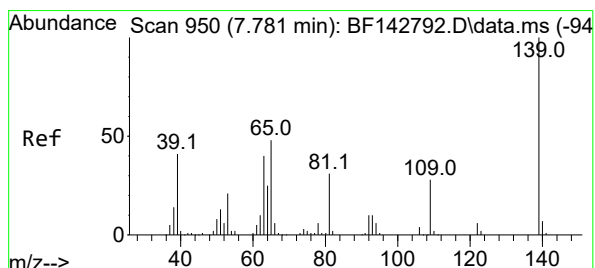
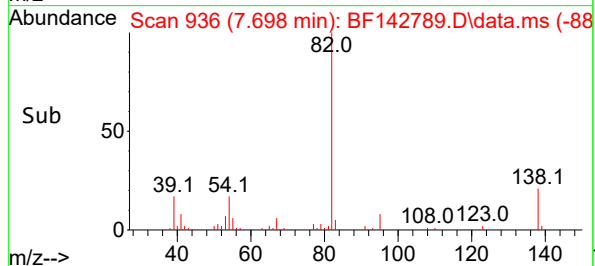
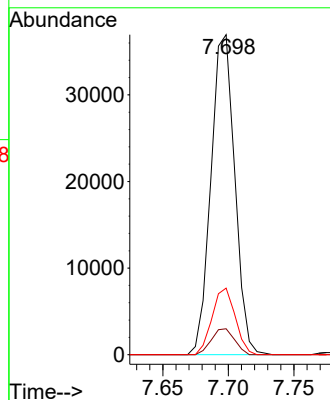
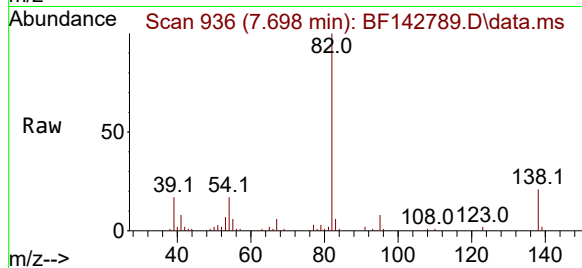
Tgt Ion: 82 Resp: 46673

Ion Ratio Lower Upper

82 100

95 8.1 6.2 9.2

138 20.8 16.2 24.4



#26

2-Nitrophenol

Concen: 4.682 ng

RT: 7.781 min Scan# 950

Delta R.T. 0.000 min

Lab File: BF142789.D

Acq: 19 Jun 2025 17:38

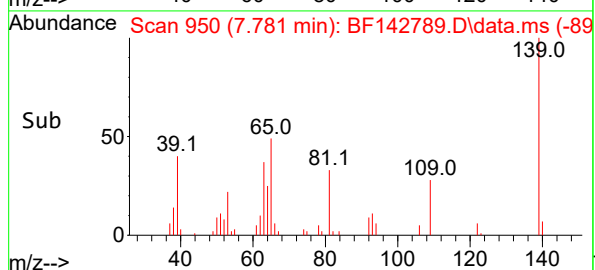
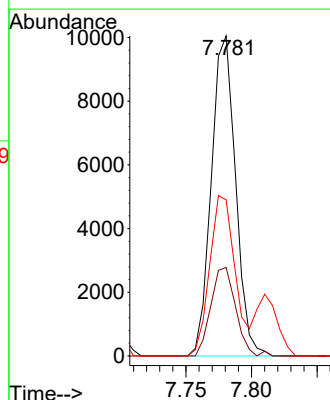
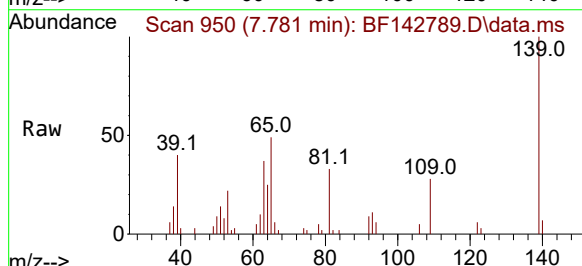
Tgt Ion:139 Resp: 12914

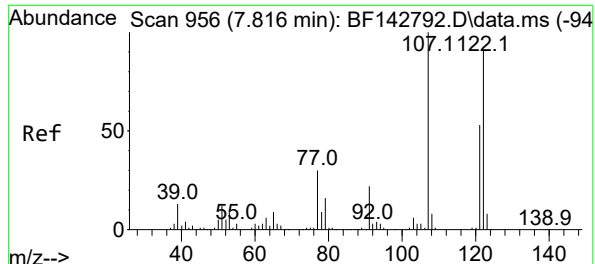
Ion Ratio Lower Upper

139 100

109 27.7 22.7 34.1

65 48.8 38.6 58.0





#27

2,4-Dimethylphenol

Concen: 5.242 ng

RT: 7.810 min Scan# 91

Delta R.T. -0.006 min

Lab File: BF142789.D

Acq: 19 Jun 2025 17:38

Instrument :

BNA_F

ClientSampleId :

SSTDICC005

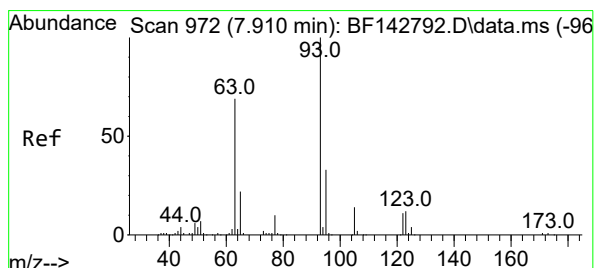
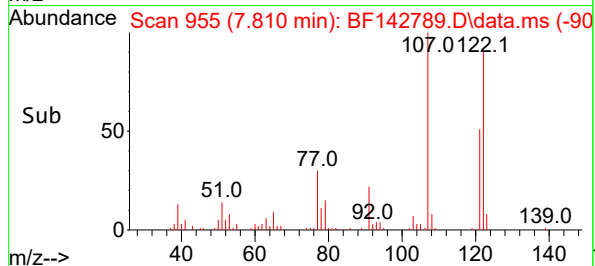
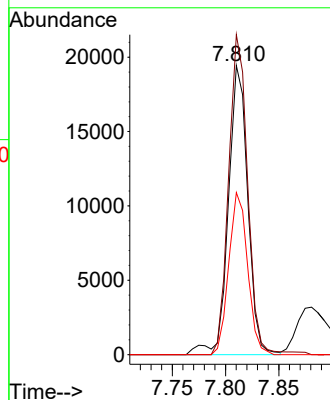
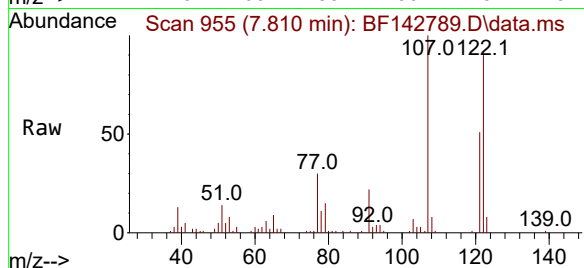
Tgt Ion:122 Resp: 24614

Ion Ratio Lower Upper

122 100

107 110.7 88.0 132.0

121 56.1 46.3 69.5



#28

bis(2-Chloroethoxy)methane

Concen: 5.068 ng

RT: 7.910 min Scan# 972

Delta R.T. 0.000 min

Lab File: BF142789.D

Acq: 19 Jun 2025 17:38

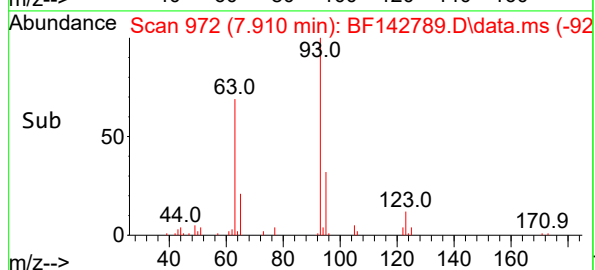
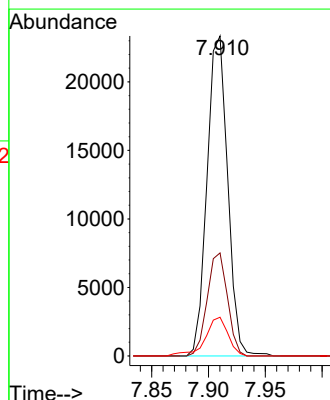
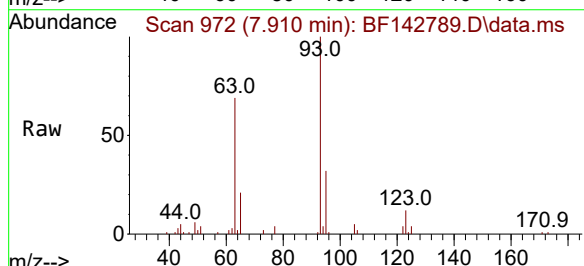
Tgt Ion: 93 Resp: 29467

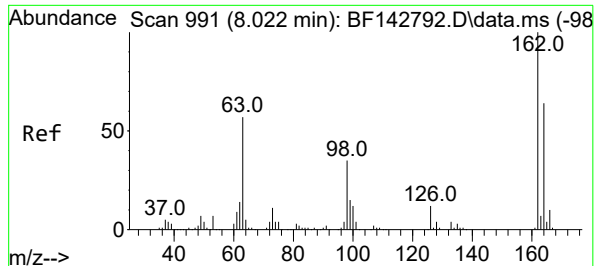
Ion Ratio Lower Upper

93 100

95 32.2 26.2 39.2

123 12.1 9.9 14.9





#29

2,4-Dichlorophenol

Concen: 5.134 ng

RT: 8.022 min Scan# 991

Delta R.T. 0.000 min

Lab File: BF142789.D

Acq: 19 Jun 2025 17:38

Instrument :

BNA_F

ClientSampleId :

SSTDICC005

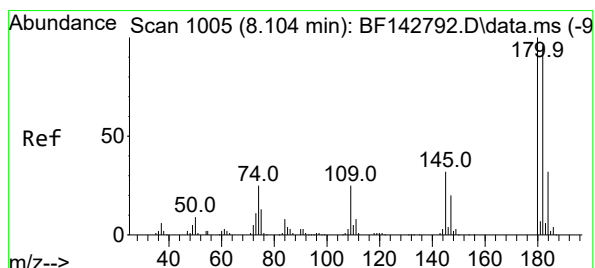
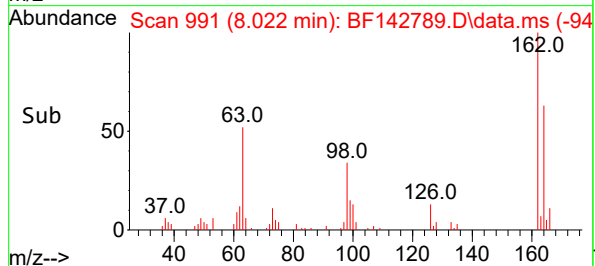
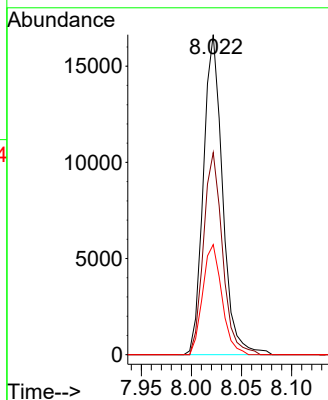
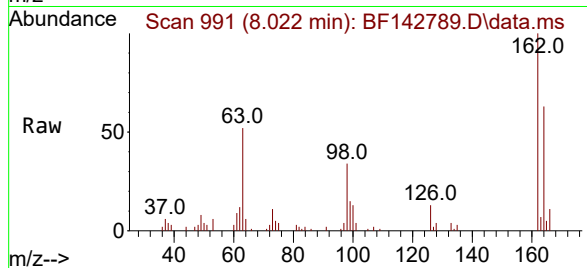
Tgt Ion:162 Resp: 22222

Ion Ratio Lower Upper

162 100

164 63.2 44.0 84.0

98 34.4 15.4 55.4



#30

1,2,4-Trichlorobenzene

Concen: 5.171 ng

RT: 8.104 min Scan# 1005

Delta R.T. 0.000 min

Lab File: BF142789.D

Acq: 19 Jun 2025 17:38

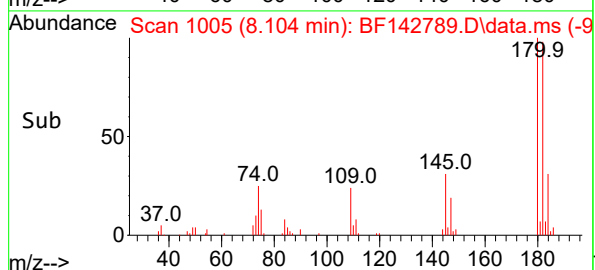
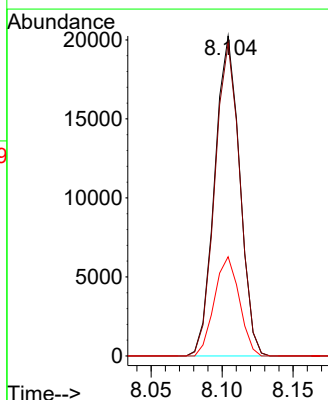
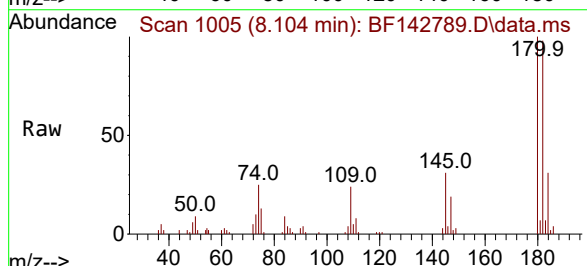
Tgt Ion:180 Resp: 24724

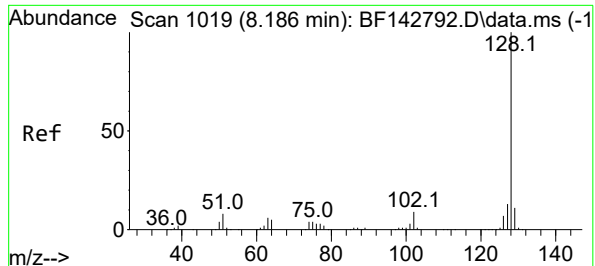
Ion Ratio Lower Upper

180 100

182 97.8 76.4 114.6

145 31.0 25.8 38.8





#31

Naphthalene

Concen: 5.344 ng

RT: 8.187 min Scan# 1019

Delta R.T. 0.000 min

Lab File: BF142789.D

Acq: 19 Jun 2025 17:38

Instrument :

BNA_F

ClientSampleId :

SSTDICC005

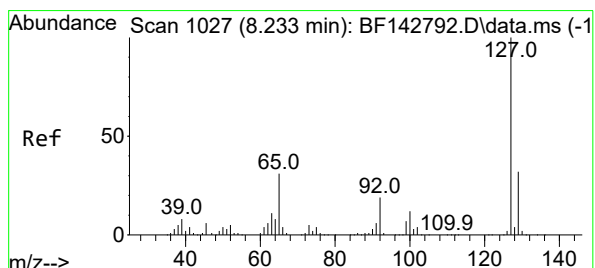
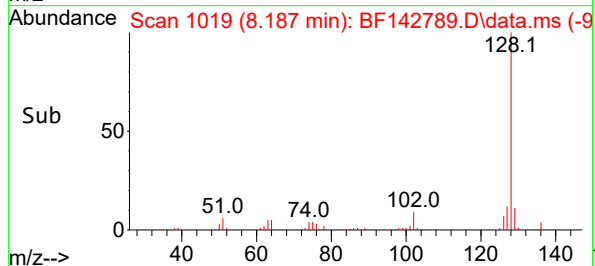
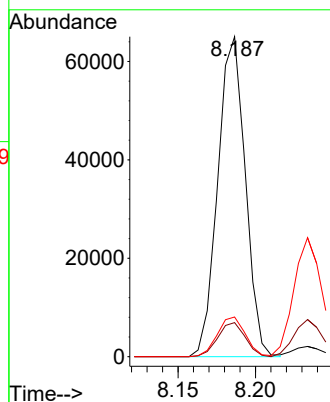
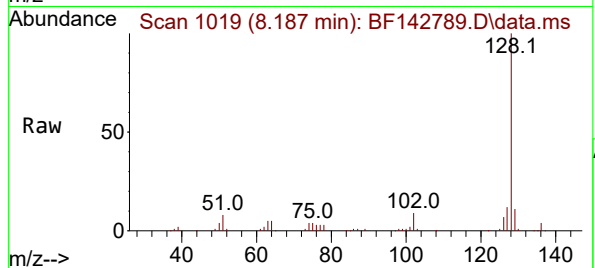
Tgt Ion:128 Resp: 80247

Ion Ratio Lower Upper

128 100

129 10.7 8.9 13.3

127 12.4 10.4 15.6



#33

4-Chloroaniline

Concen: 5.256 ng

RT: 8.234 min Scan# 1027

Delta R.T. 0.000 min

Lab File: BF142789.D

Acq: 19 Jun 2025 17:38

Tgt Ion:127 Resp: 31626

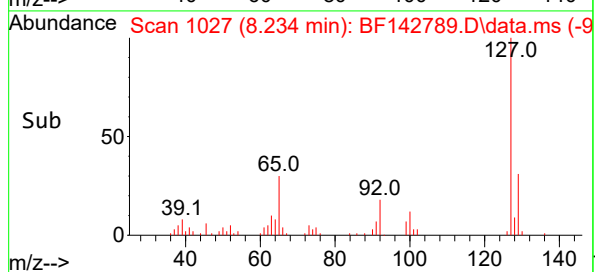
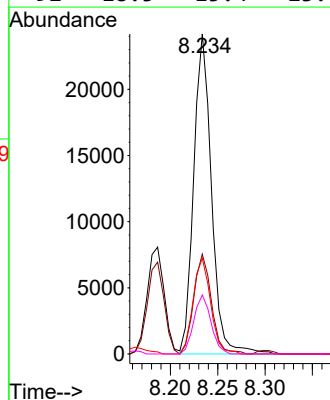
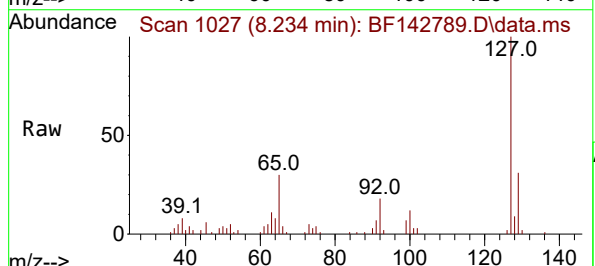
Ion Ratio Lower Upper

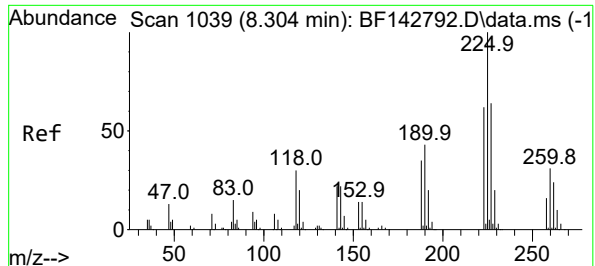
127 100

129 31.2 25.9 38.9

65 29.9 24.6 36.8

92 18.5 15.4 23.0





#34

Hexachlorobutadiene

Concen: 4.918 ng

RT: 8.304 min Scan# 1108

Delta R.T. 0.000 min

Lab File: BF142789.D

Acq: 19 Jun 2025 17:38

Instrument :

BNA_F

ClientSampleId :

SSTDICC005

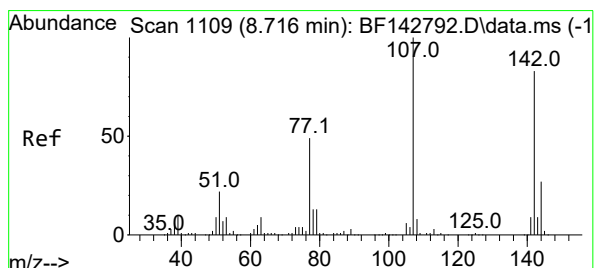
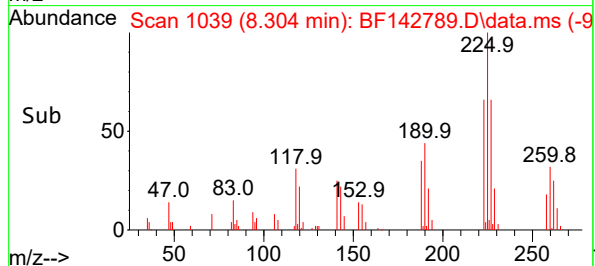
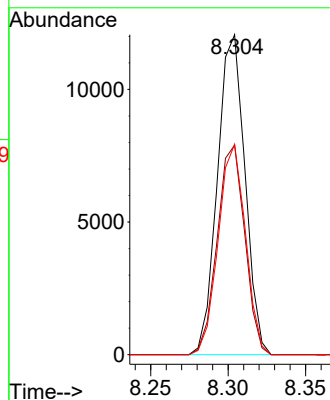
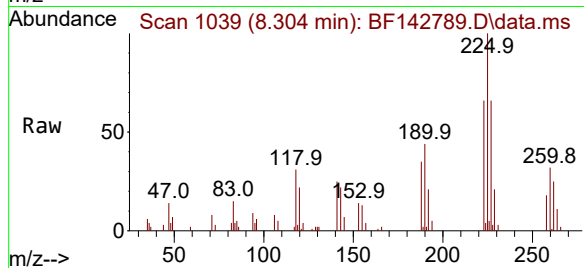
Tgt Ion:225 Resp: 14900

Ion Ratio Lower Upper

225 100

223 65.5 49.9 74.9

227 65.7 51.4 77.0



#36

4-Chloro-3-methylphenol

Concen: 5.113 ng

RT: 8.710 min Scan# 1108

Delta R.T. -0.006 min

Lab File: BF142789.D

Acq: 19 Jun 2025 17:38

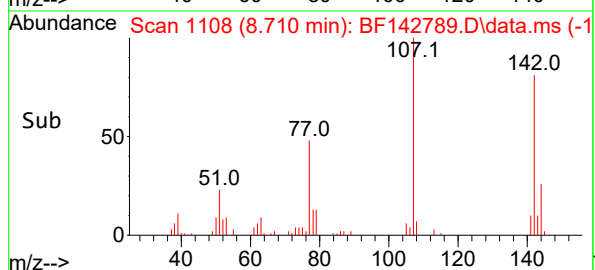
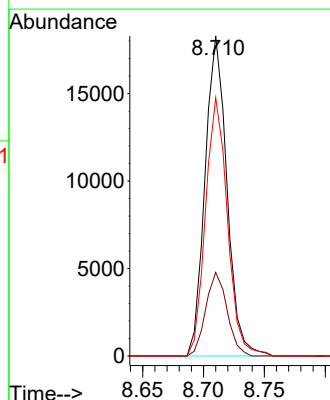
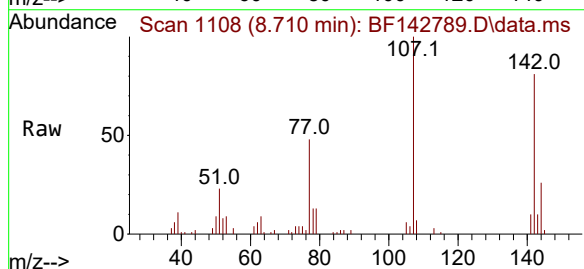
Tgt Ion:107 Resp: 22861

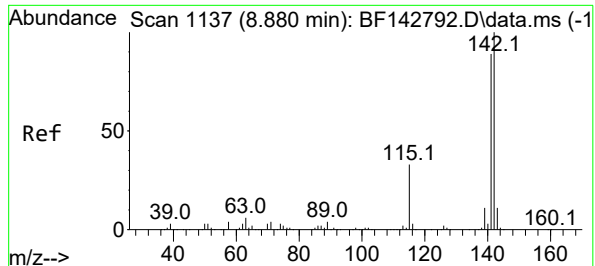
Ion Ratio Lower Upper

107 100

144 26.1 21.3 31.9

142 80.7 66.6 100.0





#37

2-Methylnaphthalene

Concen: 5.281 ng

RT: 8.875 min Scan# 1136

Delta R.T. -0.006 min

Lab File: BF142789.D

Acq: 19 Jun 2025 17:38

Instrument :

BNA_F

ClientSampleId :

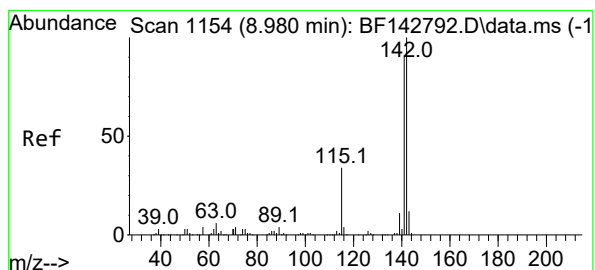
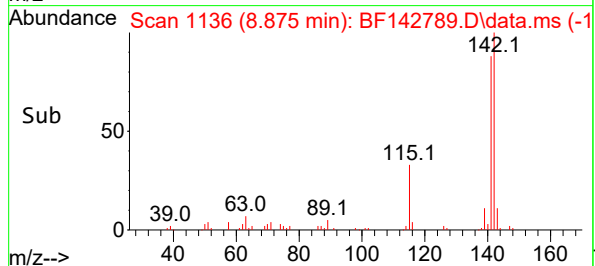
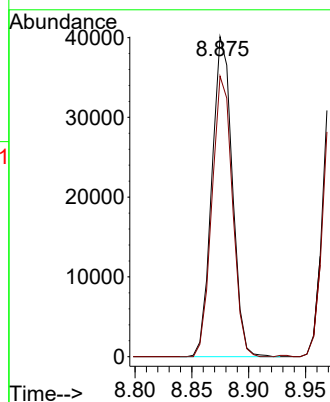
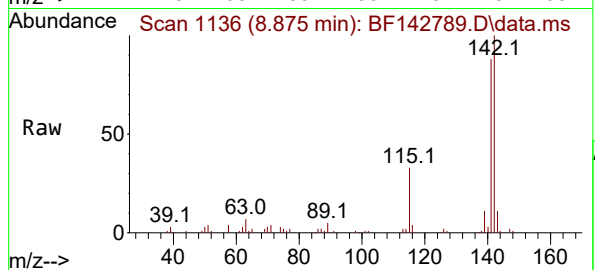
SSTDICC005

Tgt Ion:142 Resp: 50024

Ion Ratio Lower Upper

142 100

141 87.6 70.9 106.3



#38

1-Methylnaphthalene

Concen: 5.307 ng

RT: 8.975 min Scan# 1153

Delta R.T. -0.006 min

Lab File: BF142789.D

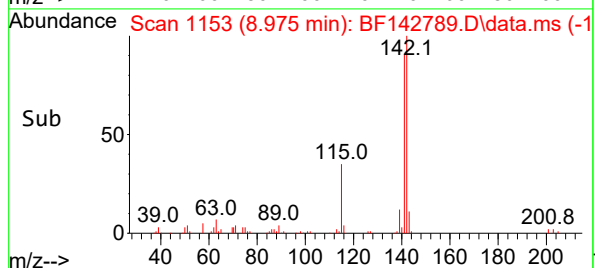
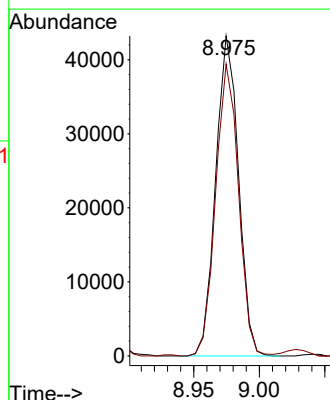
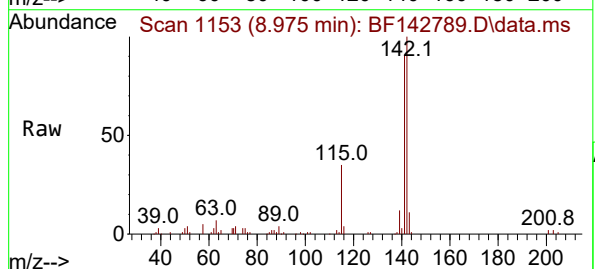
Acq: 19 Jun 2025 17:38

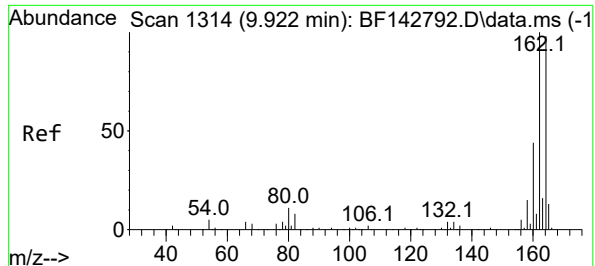
Tgt Ion:142 Resp: 52193

Ion Ratio Lower Upper

142 100

141 91.2 73.0 109.4





#39

Acenaphthene-d10

Concen: 20.000 ng

RT: 9.922 min Scan# 1165

Delta R.T. 0.000 min

Lab File: BF142789.D

Acq: 19 Jun 2025 17:38

Instrument :

BNA_F

ClientSampleId :

SSTDICC005

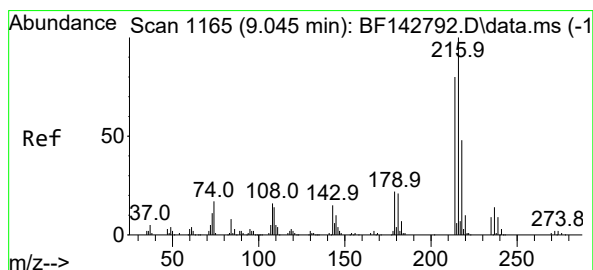
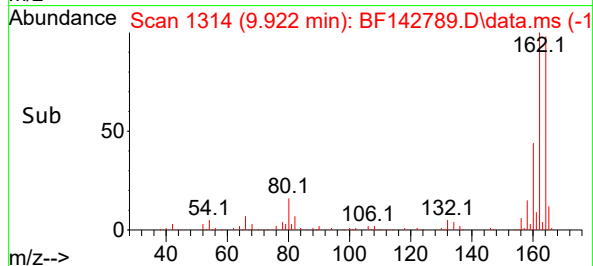
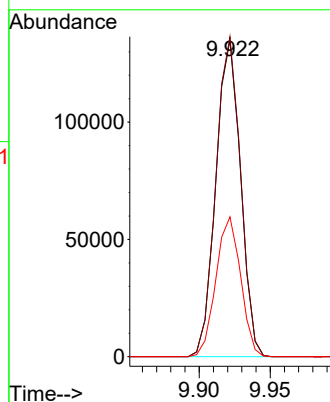
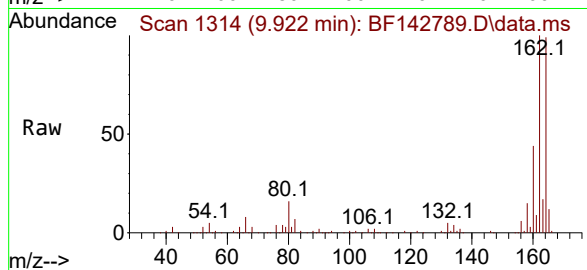
Tgt Ion:164 Resp: 162729

Ion Ratio Lower Upper

164 100

162 101.1 81.8 122.8

160 44.2 36.0 54.0



#40

1,2,4,5-Tetrachlorobenzene

Concen: 5.419 ng

RT: 9.045 min Scan# 1165

Delta R.T. 0.000 min

Lab File: BF142789.D

Acq: 19 Jun 2025 17:38

Tgt Ion:216 Resp: 25456

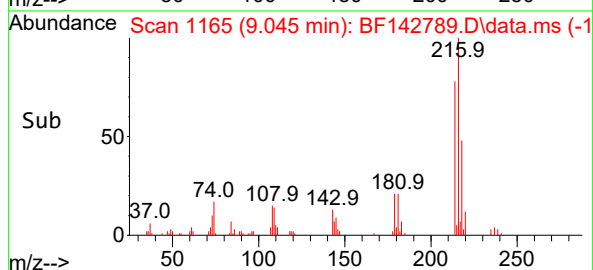
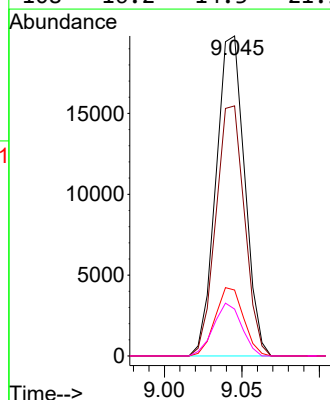
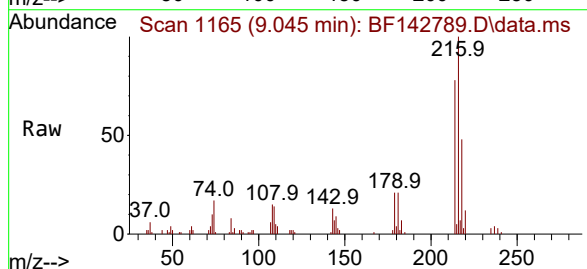
Ion Ratio Lower Upper

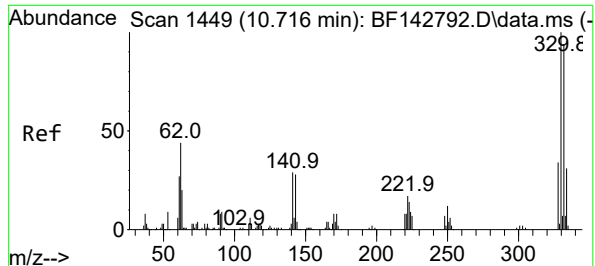
216 100

214 78.0 63.7 95.5

179 21.1 17.6 26.4

108 16.2 14.3 21.5





#42

2,4,6-Tribromophenol

Concen: 9.551 ng

RT: 10.710 min Scan# 1449

Delta R.T. -0.006 min

Lab File: BF142789.D

Acq: 19 Jun 2025 17:38

Instrument :

BNA_F

ClientSampleId :

SSTDICC005

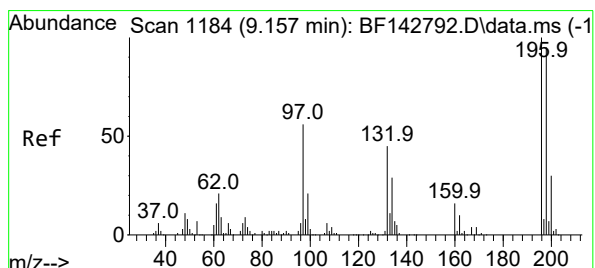
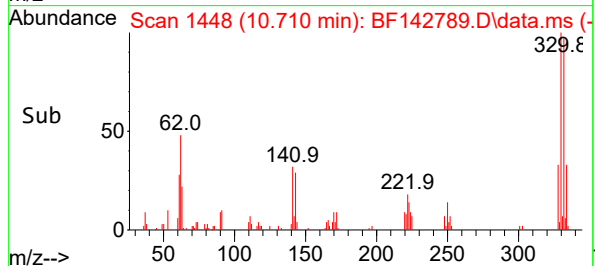
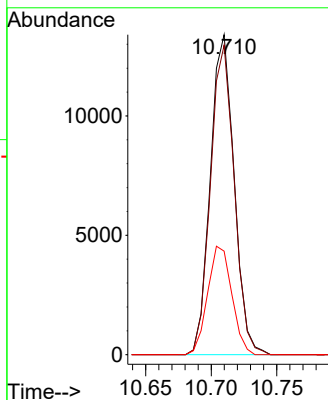
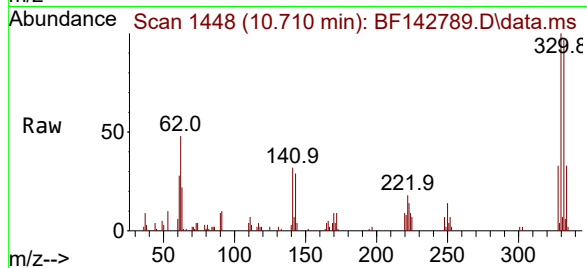
Tgt Ion:330 Resp: 16892

Ion Ratio Lower Upper

330 100

332 96.5 75.0 112.6

141 34.5 25.3 37.9



#43

2,4,6-Trichlorophenol

Concen: 5.154 ng

RT: 9.157 min Scan# 1184

Delta R.T. 0.000 min

Lab File: BF142789.D

Acq: 19 Jun 2025 17:38

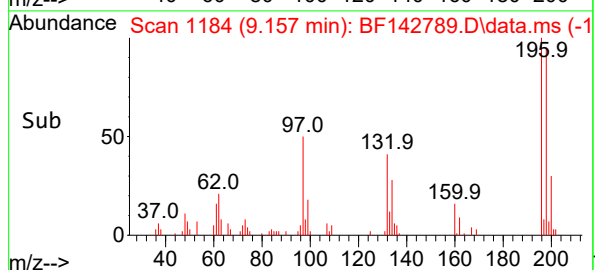
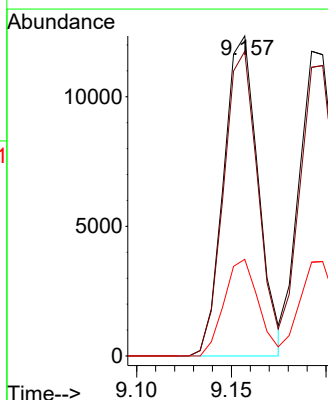
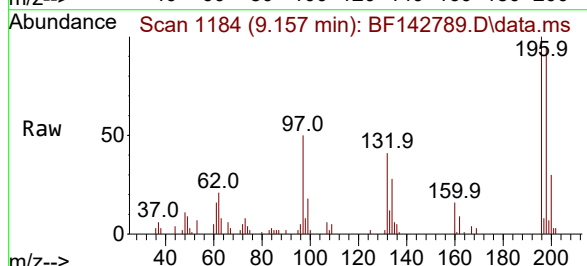
Tgt Ion:196 Resp: 15667

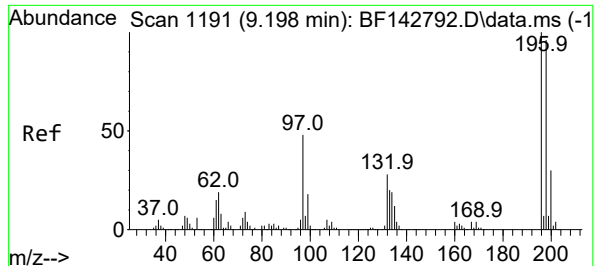
Ion Ratio Lower Upper

196 100

198 95.2 76.2 114.2

200 30.2 24.1 36.1





#44

2,4,5-Trichlorophenol

Concen: 5.045 ng

RT: 9.192 min Scan# 1191

Delta R.T. -0.006 min

Lab File: BF142789.D

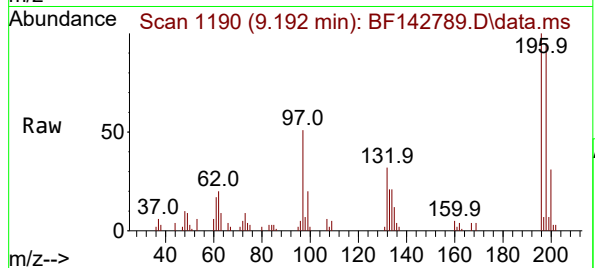
Acq: 19 Jun 2025 17:38

Instrument :

BNA_F

ClientSampleId :

SSTDICC005



Tgt Ion:196 Resp: 16563

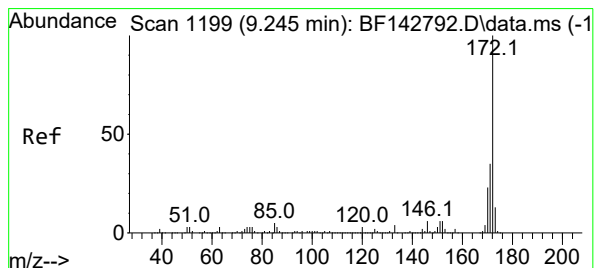
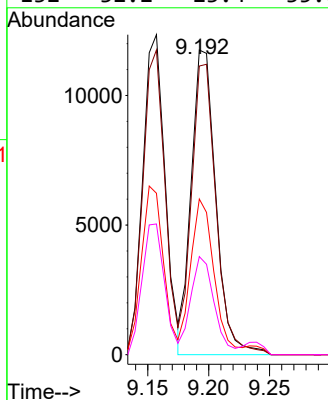
Ion Ratio Lower Upper

196 100

198 94.8 76.6 115.0

97 51.1 38.2 57.2

132 32.2 23.4 35.0



#45

2-Fluorobiphenyl

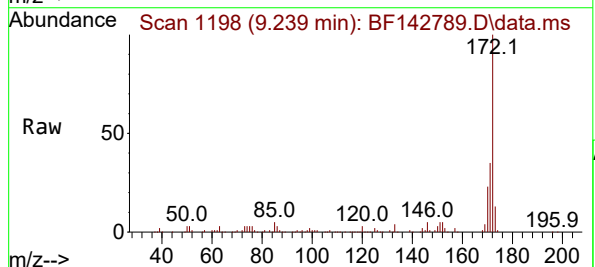
Concen: 11.573 ng

RT: 9.239 min Scan# 1198

Delta R.T. -0.006 min

Lab File: BF142789.D

Acq: 19 Jun 2025 17:38



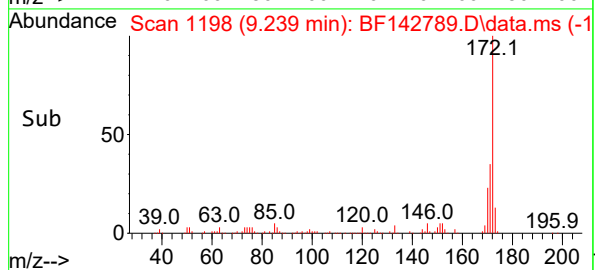
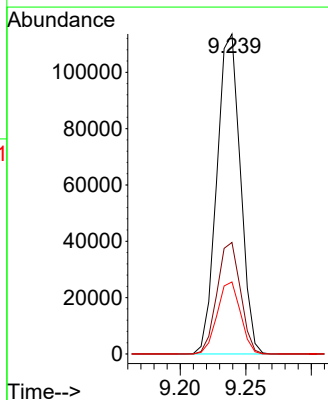
Tgt Ion:172 Resp: 141565

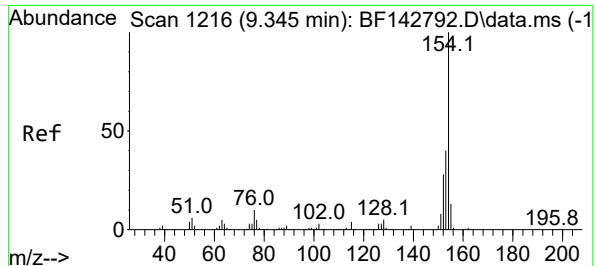
Ion Ratio Lower Upper

172 100

171 34.8 28.2 42.4

170 22.5 18.5 27.7





#46

1,1'-Biphenyl

Concen: 5.478 ng

RT: 9.339 min Scan# 1215

Delta R.T. -0.006 min

Lab File: BF142789.D

Acq: 19 Jun 2025 17:38

Instrument :

BNA_F

ClientSampleId :

SSTDICC005

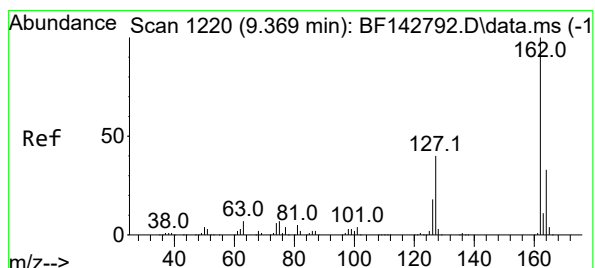
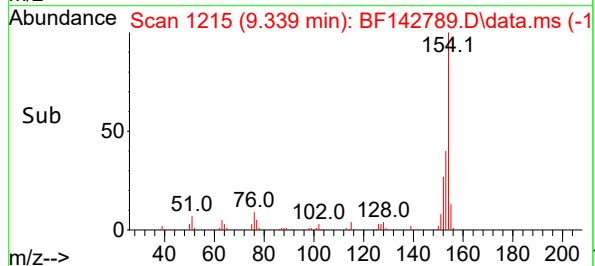
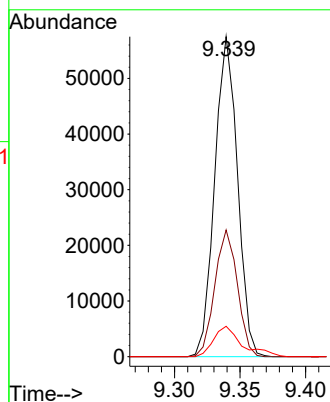
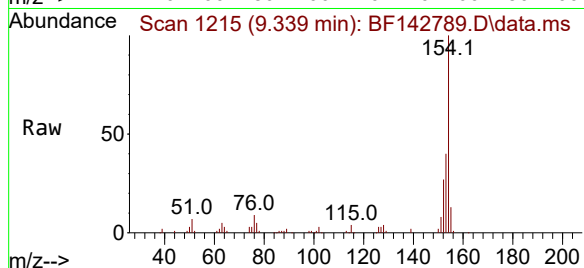
Tgt Ion:154 Resp: 69218

Ion Ratio Lower Upper

154 100

153 39.6 20.3 60.3

76 9.5 0.0 30.3



#47

2-Chloronaphthalene

Concen: 5.670 ng

RT: 9.363 min Scan# 1219

Delta R.T. -0.006 min

Lab File: BF142789.D

Acq: 19 Jun 2025 17:38

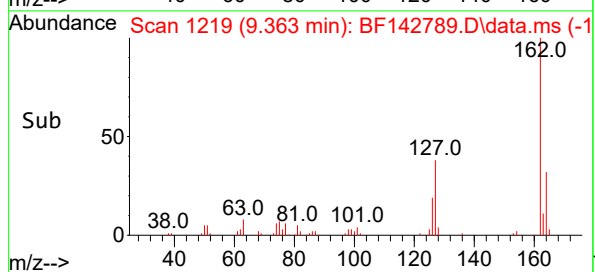
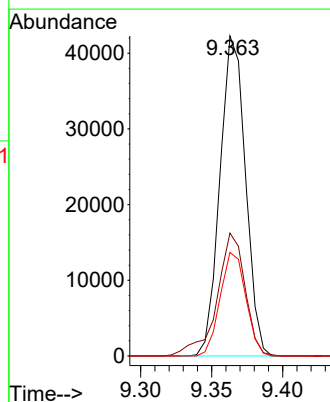
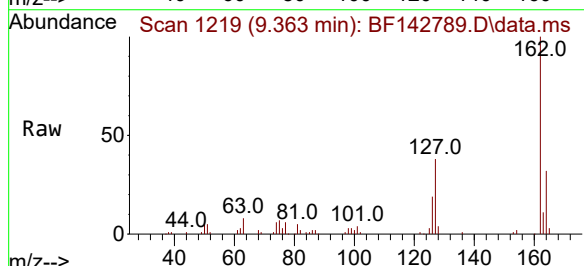
Tgt Ion:162 Resp: 52868

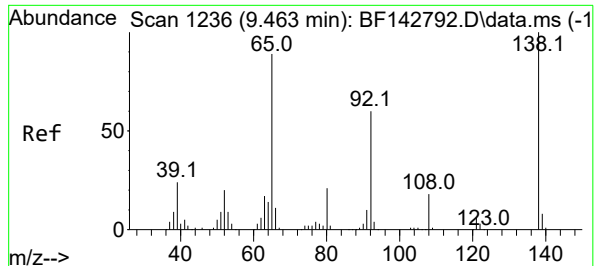
Ion Ratio Lower Upper

162 100

127 38.4 32.2 48.2

164 32.4 26.1 39.1





#48

2-Nitroaniline

Concen: 4.937 ng

RT: 9.457 min Scan# 1235

Delta R.T. -0.006 min

Lab File: BF142789.D

Acq: 19 Jun 2025 17:38

Instrument :

BNA_F

ClientSampleId :

SSTDICC005

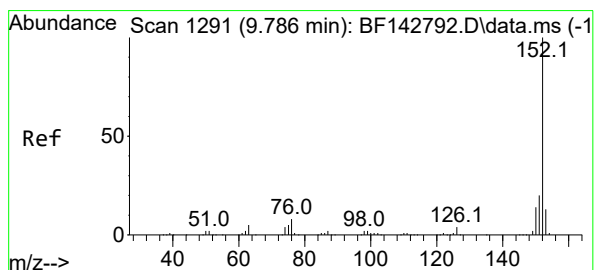
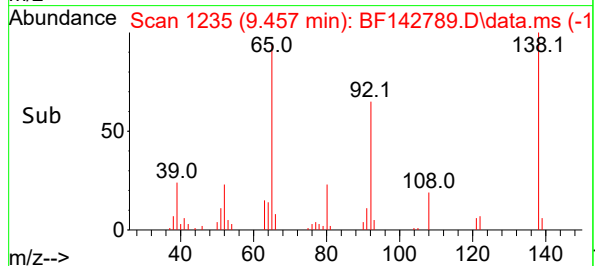
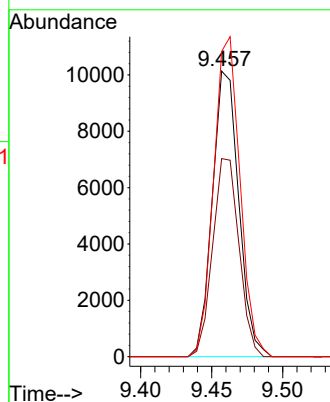
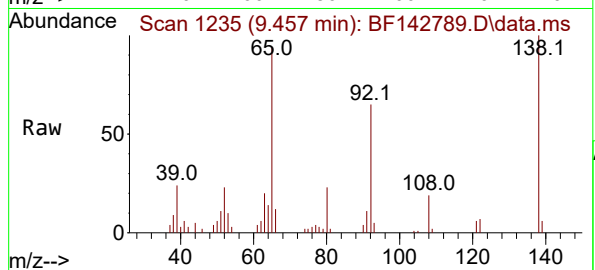
Tgt Ion: 65 Resp: 13076

Ion Ratio Lower Upper

65 100

92 69.4 53.8 80.6

138 106.9 89.6 134.4



#49

Acenaphthylene

Concen: 5.477 ng

RT: 9.781 min Scan# 1290

Delta R.T. -0.006 min

Lab File: BF142789.D

Acq: 19 Jun 2025 17:38

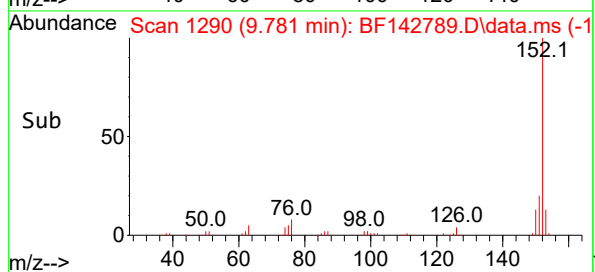
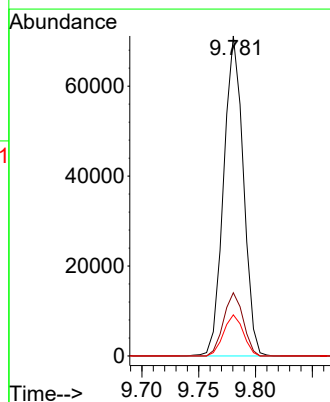
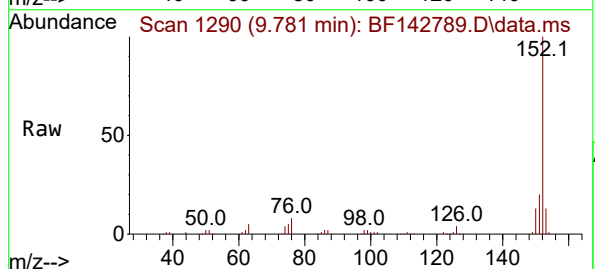
Tgt Ion: 152 Resp: 85856

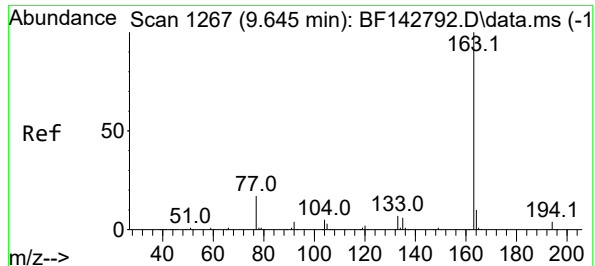
Ion Ratio Lower Upper

152 100

151 19.7 16.1 24.1

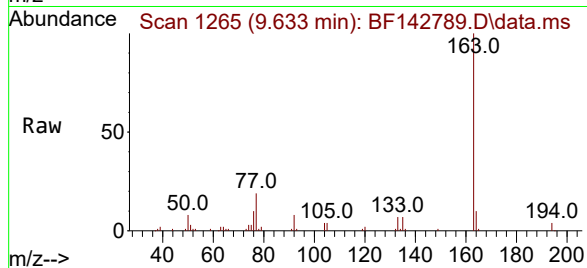
153 12.8 10.4 15.6



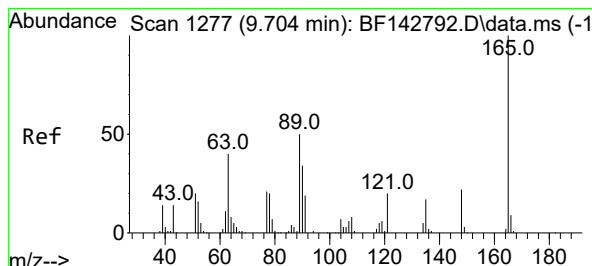
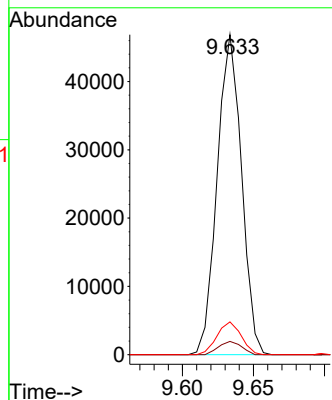
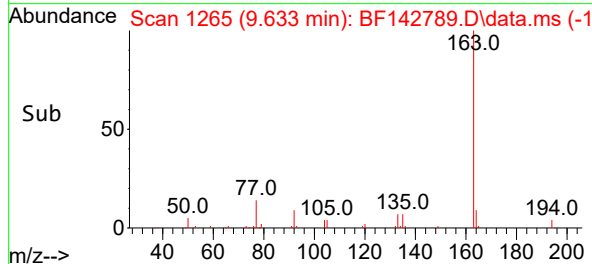


#50
Dimethylphthalate
Concen: 5.170 ng
RT: 9.633 min Scan# 1265
Delta R.T. -0.012 min
Lab File: BF142789.D
Acq: 19 Jun 2025 17:38

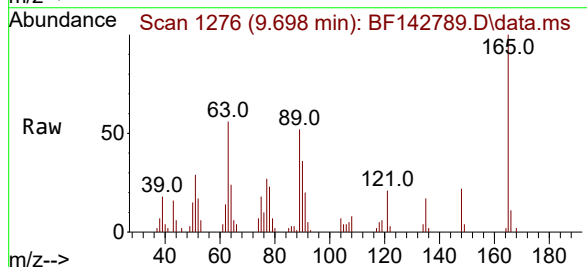
Instrument :
BNA_F
ClientSampleId :
SSTDICC005



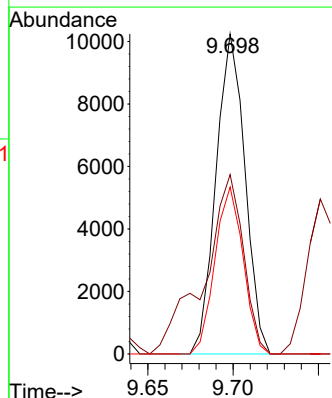
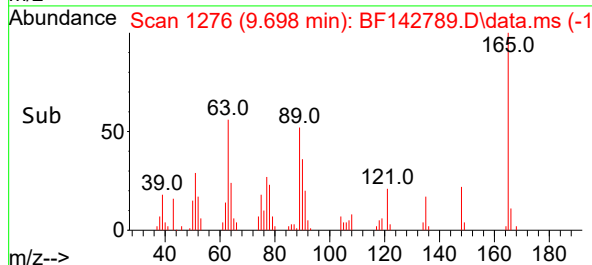
Tgt Ion:163 Resp: 55804
Ion Ratio Lower Upper
163 100
194 4.2 3.3 4.9
164 10.2 8.0 12.0

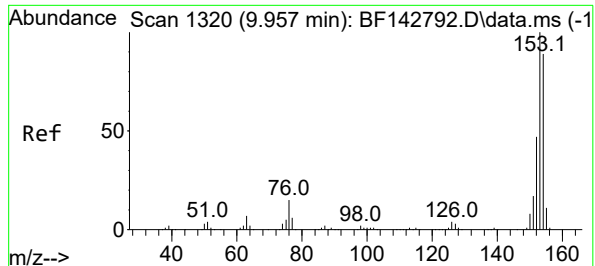


#51
2,6-Dinitrotoluene
Concen: 5.163 ng
RT: 9.698 min Scan# 1276
Delta R.T. -0.006 min
Lab File: BF142789.D
Acq: 19 Jun 2025 17:38



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





#52

Acenaphthene

Concen: 5.230 ng

RT: 9.951 min Scan# 1319

Delta R.T. -0.006 min

Lab File: BF142789.D

Acq: 19 Jun 2025 17:38

Instrument :

BNA_F

ClientSampleId :

SSTDICC005

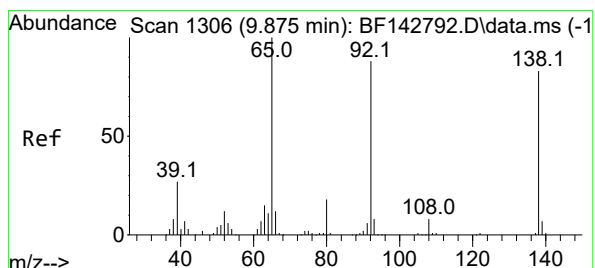
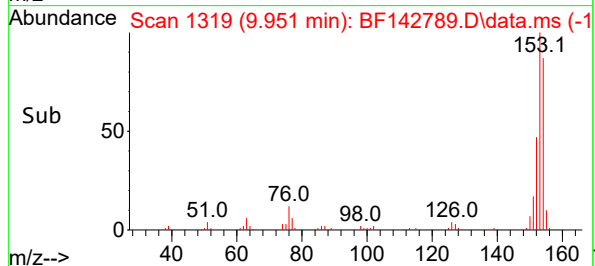
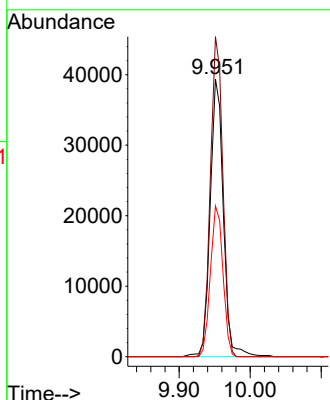
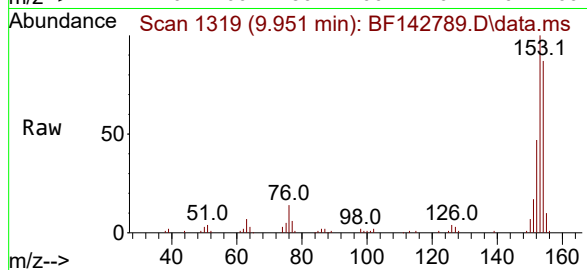
Tgt Ion:154 Resp: 50726

Ion Ratio Lower Upper

154 100

153 115.3 90.0 135.0

152 54.3 41.9 62.9



#53

3-Nitroaniline

Concen: 4.984 ng

RT: 9.869 min Scan# 1305

Delta R.T. -0.006 min

Lab File: BF142789.D

Acq: 19 Jun 2025 17:38

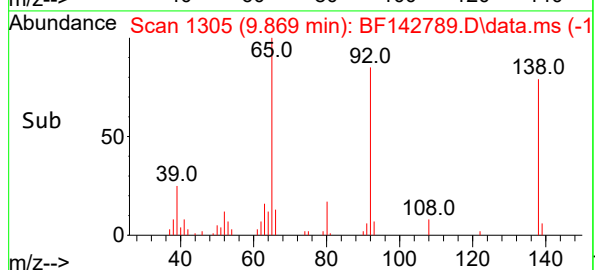
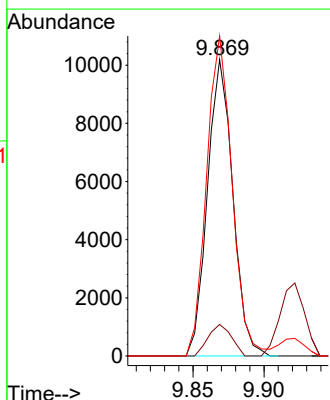
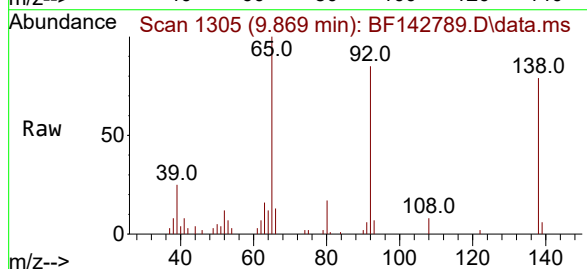
Tgt Ion:138 Resp: 12667

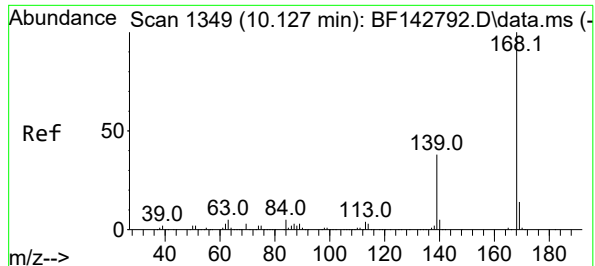
Ion Ratio Lower Upper

138 100

108 10.7 8.1 12.1

92 108.0 85.1 127.7





#55

Dibenzenofuran

Concen: 5.420 ng

RT: 10.122 min Scan# 1

Delta R.T. -0.006 min

Lab File: BF142789.D

Acq: 19 Jun 2025 17:38

Instrument :

BNA_F

ClientSampleId :

SSTDIC005

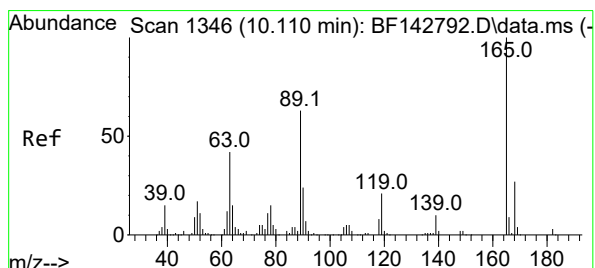
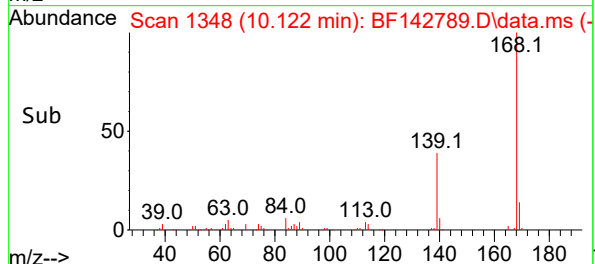
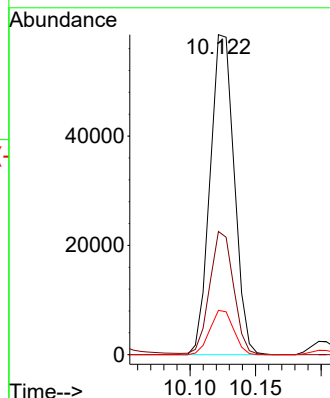
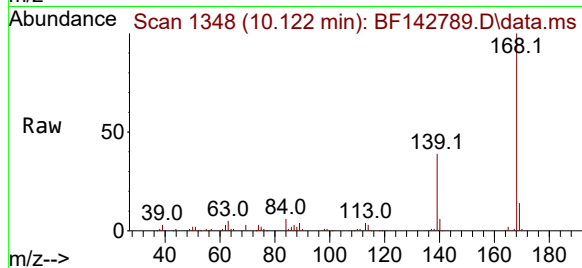
Tgt Ion:168 Resp: 74998

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

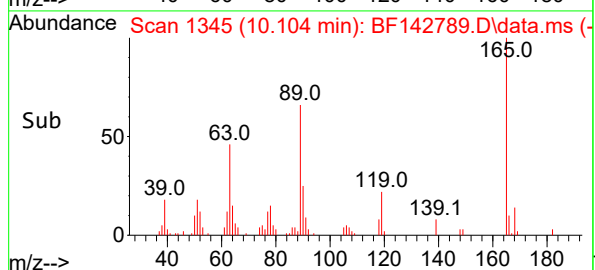
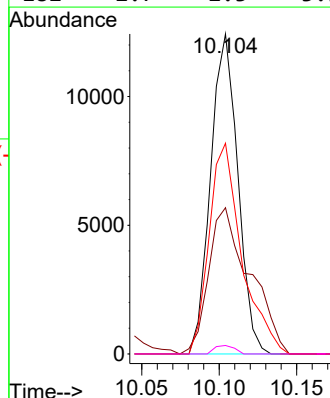
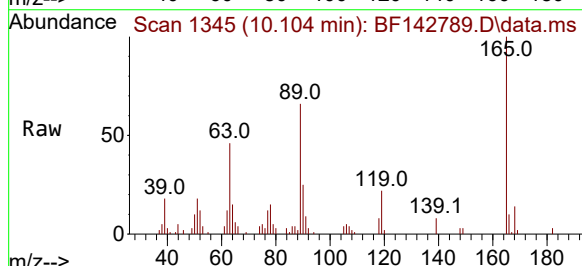
Ion Ratio Lower Upper

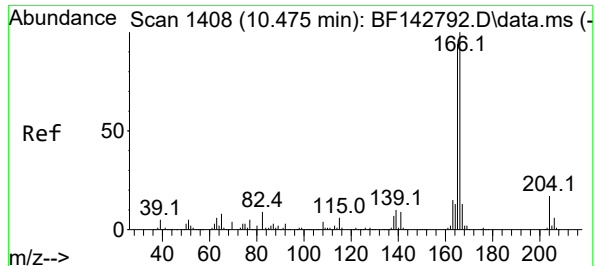
165 100

63 45.7 33.9 50.9

89 65.9 50.6 75.8

182 2.7 2.3 3.5

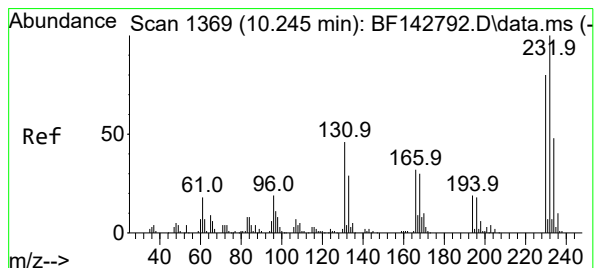
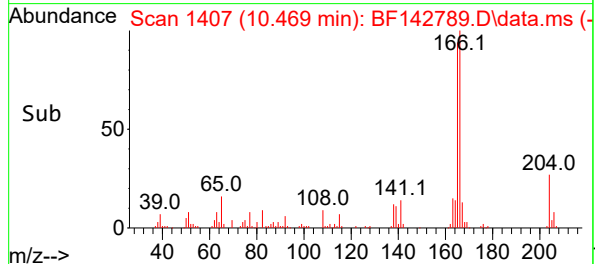
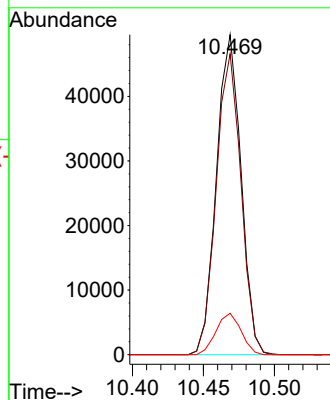
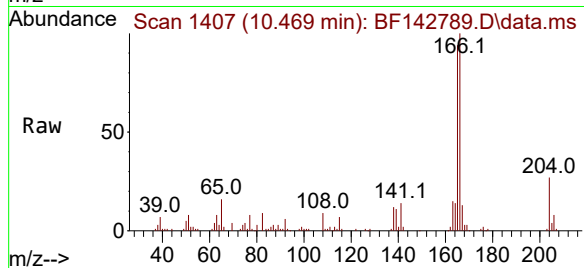




#58
Fluorene
Concen: 5.453 ng
RT: 10.469 min Scan# 1408
Delta R.T. -0.006 min
Lab File: BF142789.D
Acq: 19 Jun 2025 17:38

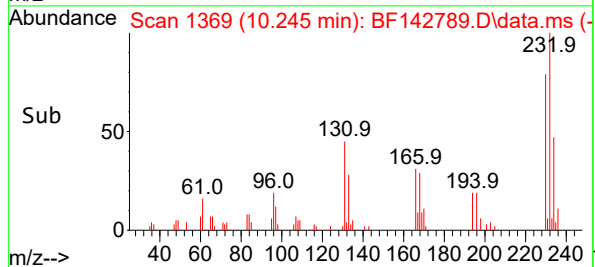
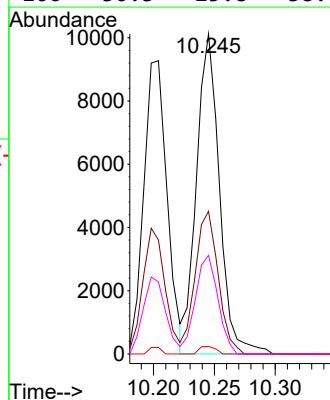
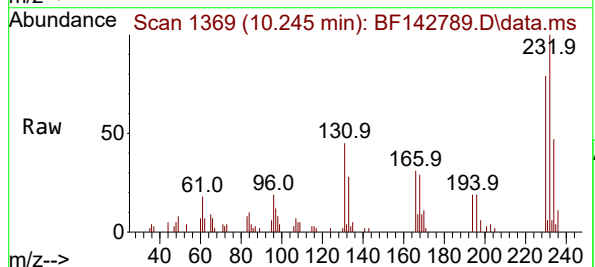
Instrument :
BNA_F
ClientSampleId :
SSTDICC005

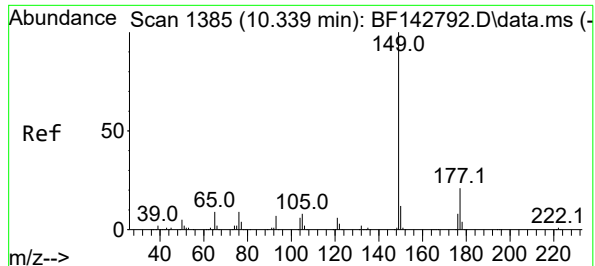
Tgt Ion:166 Resp: 59558
Ion Ratio Lower Upper
166 100
165 94.0 75.2 112.8
167 13.0 10.6 15.8



#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

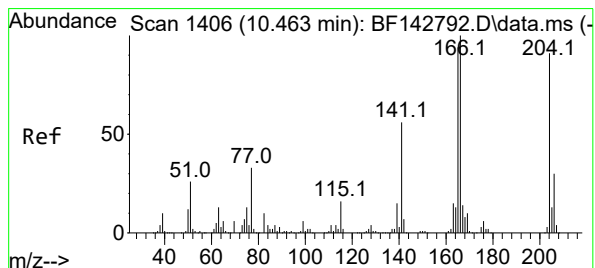
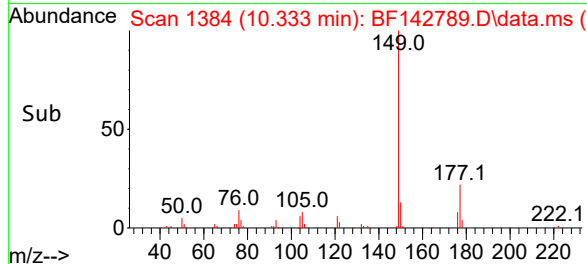
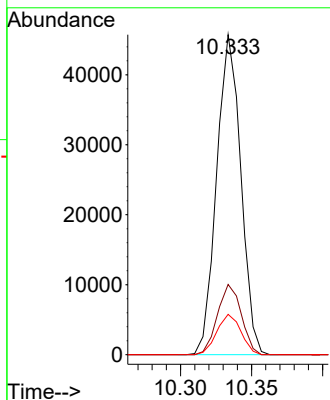
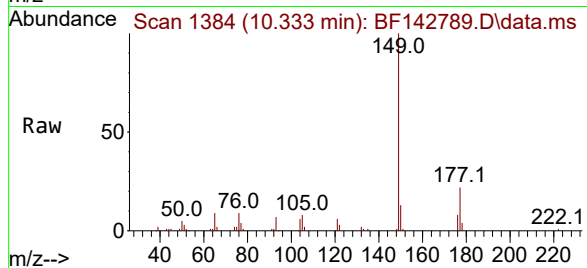




#60
Diethylphthalate
Concen: 5.040 ng
RT: 10.333 min Scan# 11
Delta R.T. -0.006 min
Lab File: BF142789.D
Acq: 19 Jun 2025 17:38

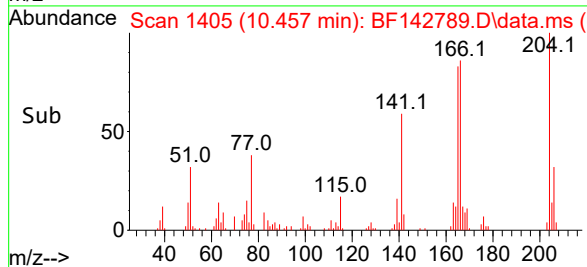
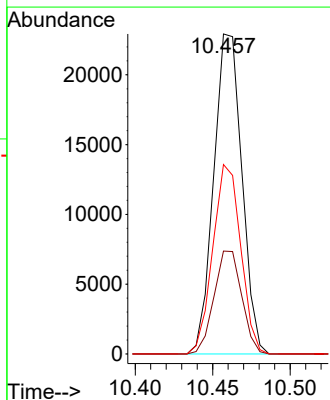
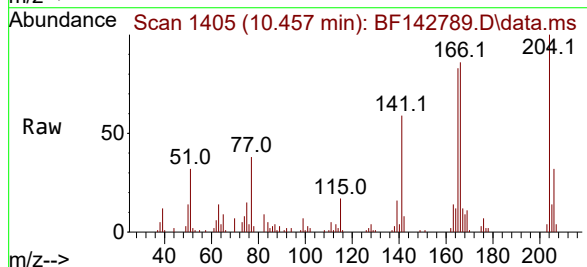
Instrument :
BNA_F
ClientSampleId :
SSTDICC005

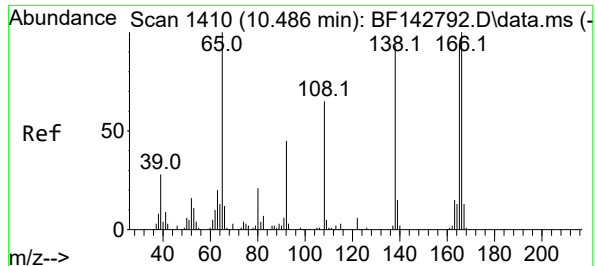
Tgt Ion	Ratio	Lower	Upper
149	100		
177	21.9	17.0	25.6
150	12.6	9.8	14.6



#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 :

SSTDICC005

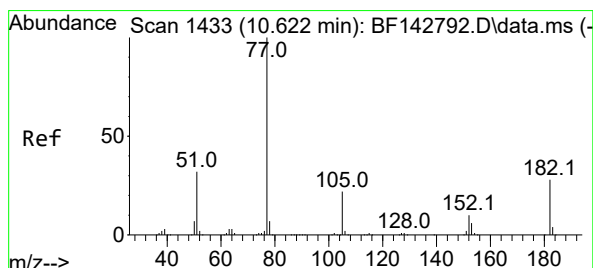
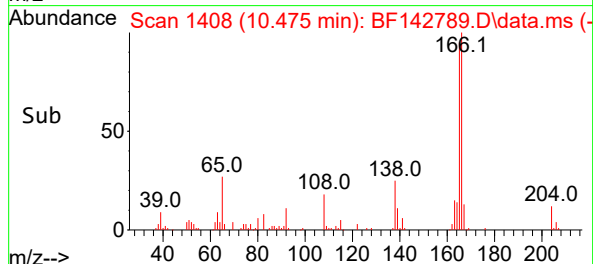
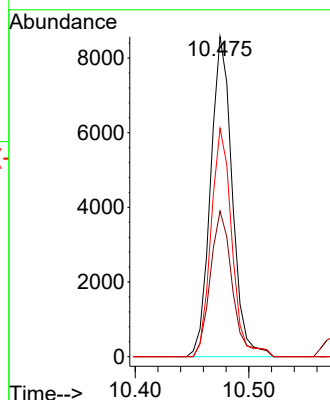
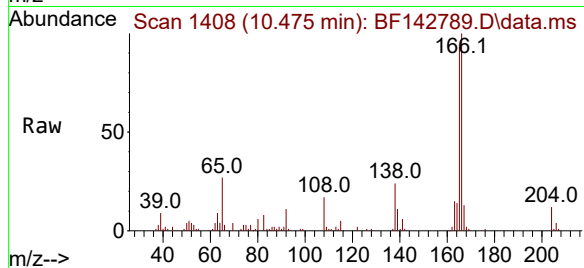
Tgt Ion:138 Resp: 11342

Ion Ratio Lower Upper

138 100

92 45.5 28.4 68.4

108 71.3 50.2 90.2



#63

Azobenzene

Concen: 5.276 ng

RT: 10.616 min Scan# 1432

Delta R.T. -0.006 min

Lab File: BF142789.D

Acq: 19 Jun 2025 17:38

Tgt Ion: 77 Resp: 49436

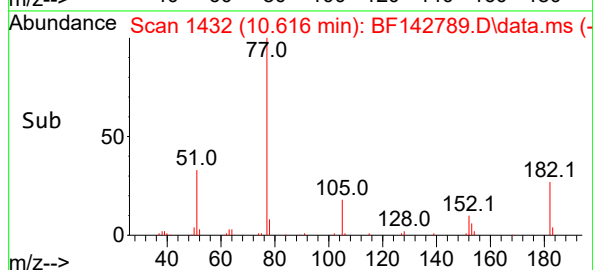
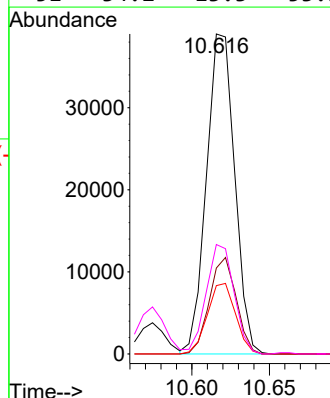
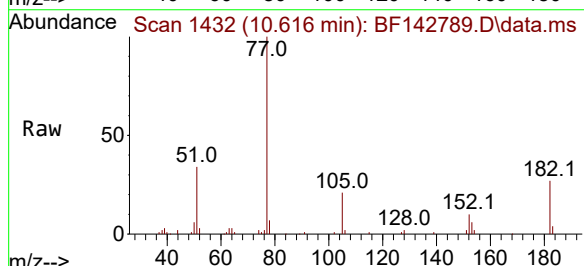
Ion Ratio Lower Upper

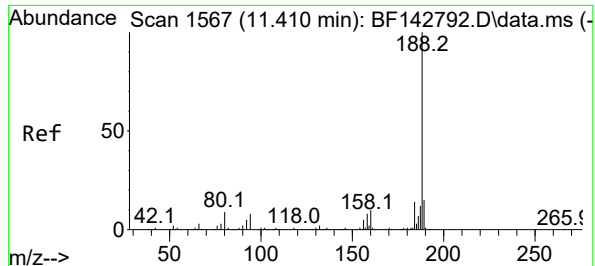
77 100

182 26.8 7.7 47.7

105 21.4 1.9 41.9

51 34.2 13.3 53.3

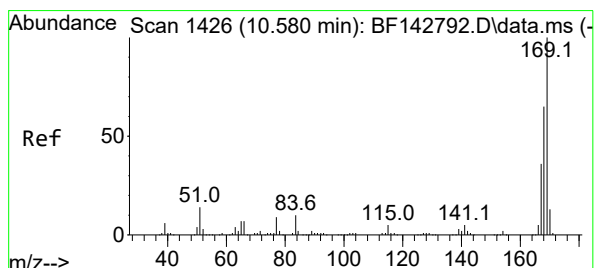
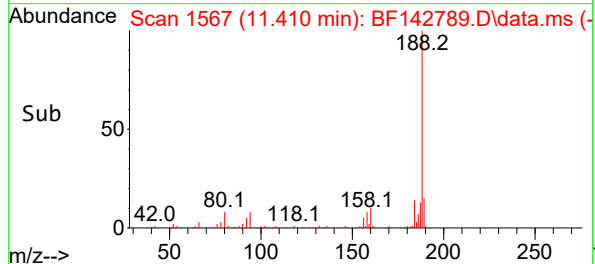
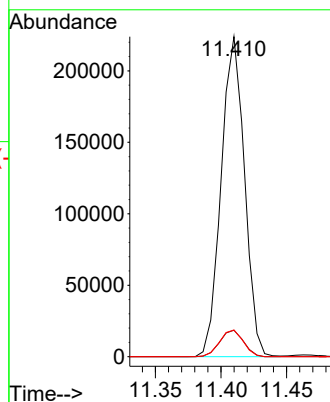
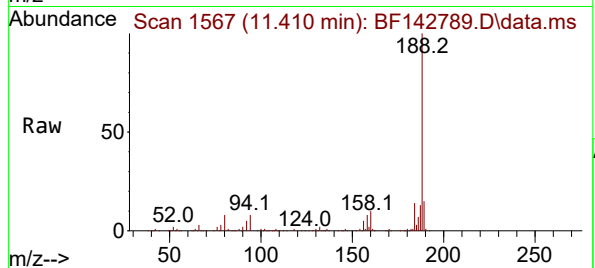




#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.410 min Scan# 11
Delta R.T. 0.000 min
Lab File: BF142789.D
Acq: 19 Jun 2025 17:38

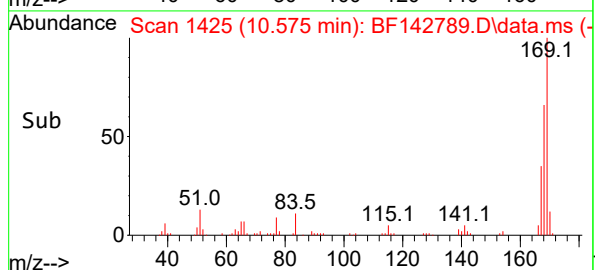
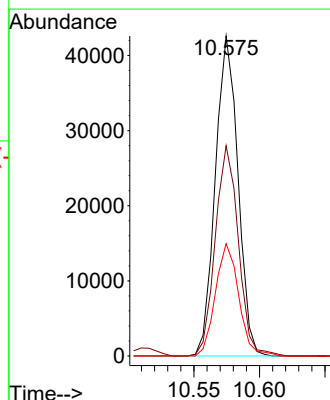
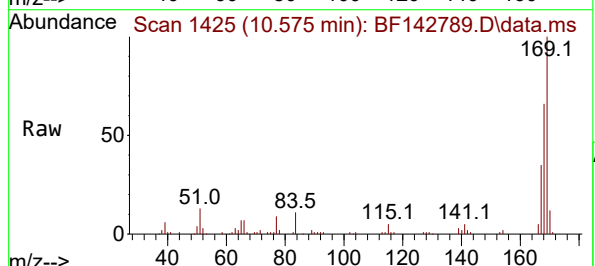
Instrument :
BNA_F
ClientSampleId :
SSTDICC005

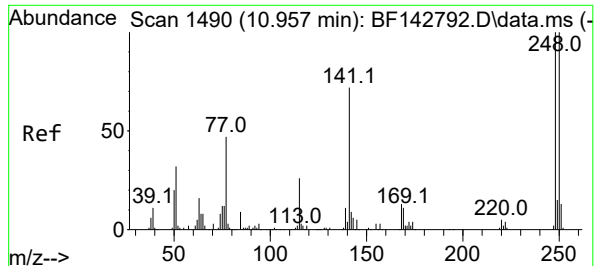
Tgt Ion:188 Resp: 277233
Ion Ratio Lower Upper
188 100
94 8.2 6.7 10.1
80 8.3 6.9 10.3



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

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

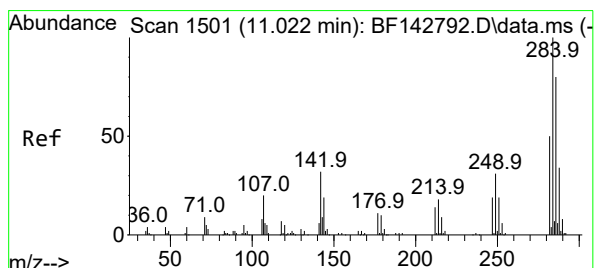
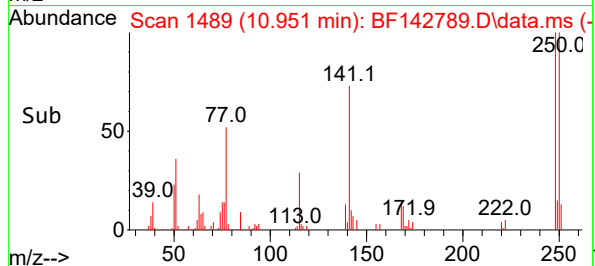
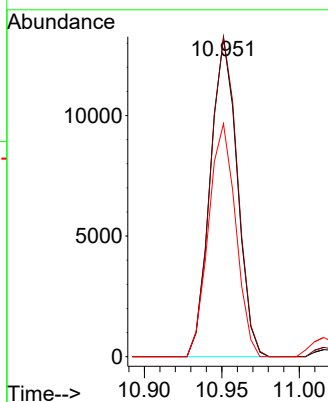
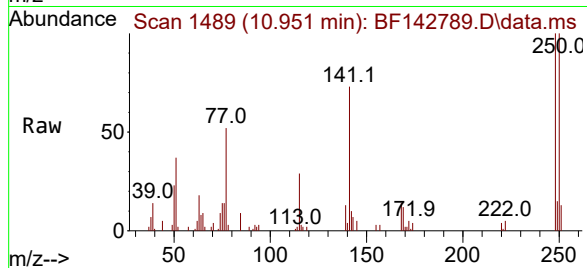




#67
4-Bromophenyl-phenylether
Concen: 4.927 ng
RT: 10.951 min Scan# 1490
Delta R.T. -0.006 min
Lab File: BF142789.D
Acq: 19 Jun 2025 17:38

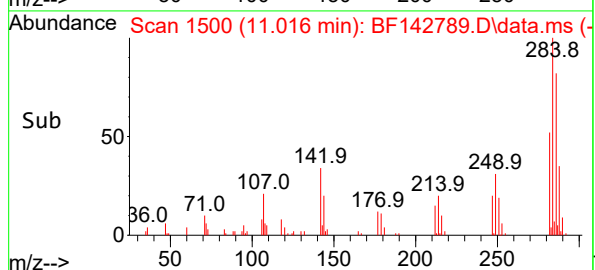
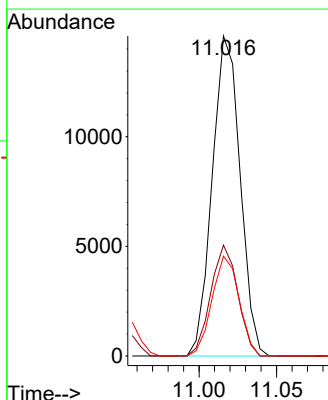
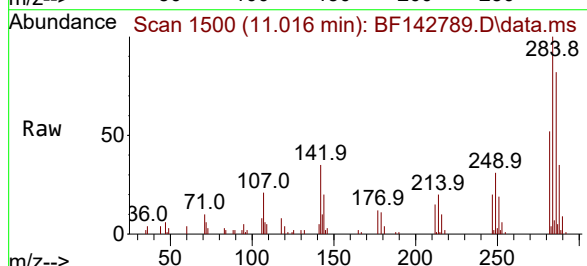
Instrument :
BNA_F
ClientSampleId :
SSTDICC005

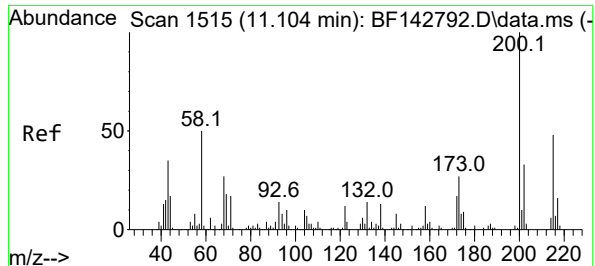
Tgt Ion:248 Resp: 15996
Ion Ratio Lower Upper
248 100
250 100.4 79.8 119.8
141 73.1 57.8 86.6



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

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





#69

Atrazine

Concen: 4.832 ng

RT: 11.098 min Scan# 1514

Delta R.T. -0.006 min

Lab File: BF142789.D

Acq: 19 Jun 2025 17:38

Instrument :

BNA_F

ClientSampleId :

SSTDICC005

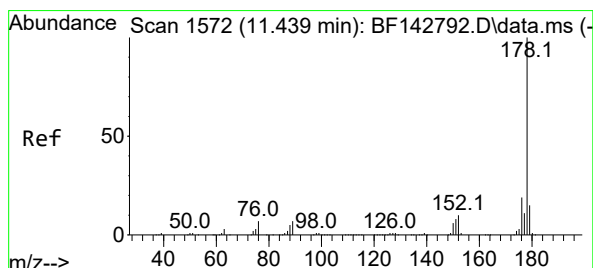
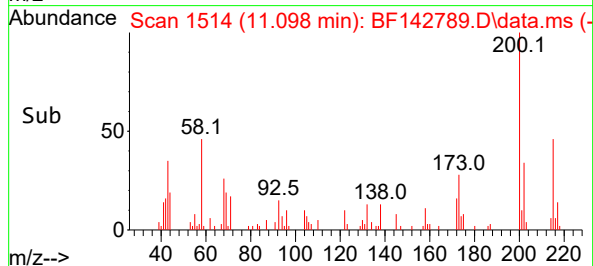
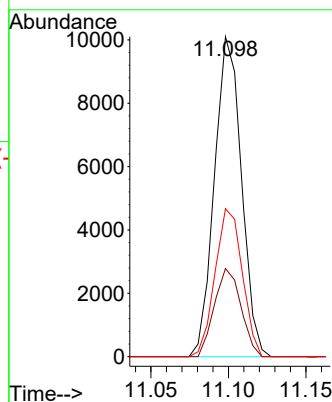
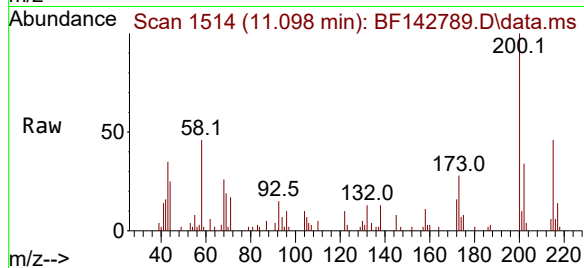
Tgt Ion:200 Resp: 12221

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

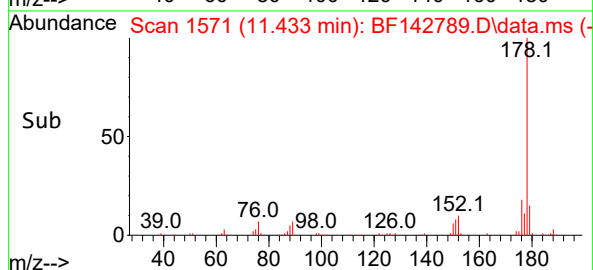
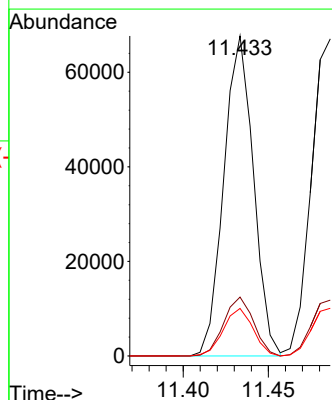
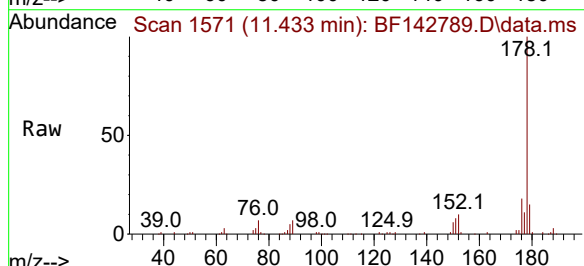
Tgt Ion:178 Resp: 81962

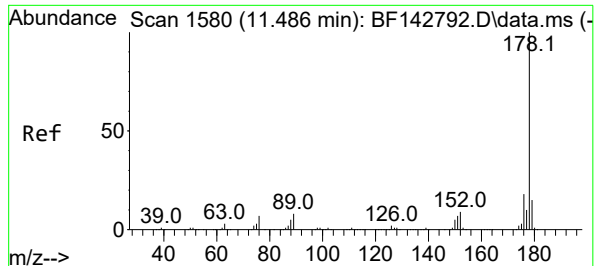
Ion Ratio Lower Upper

178 100

176 18.4 15.1 22.7

179 14.8 12.0 18.0

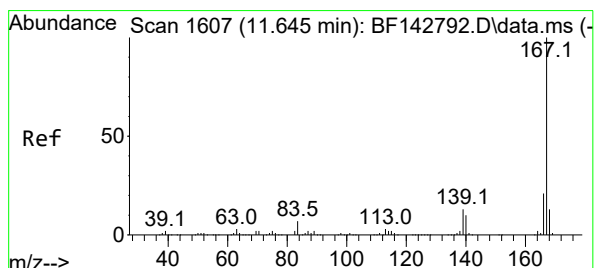
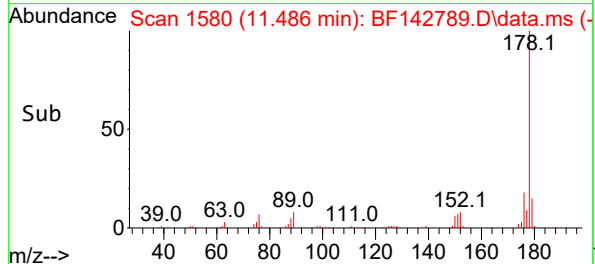
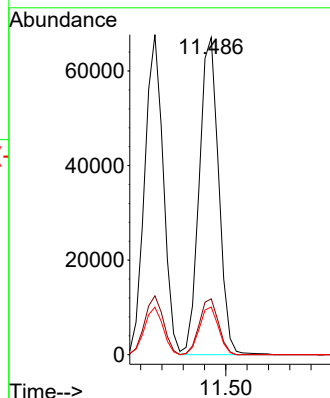
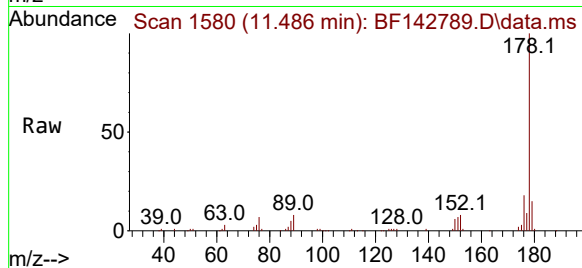




#72
Anthracene
Concen: 5.529 ng
RT: 11.486 min Scan# 11
Delta R.T. 0.000 min
Lab File: BF142789.D
Acq: 19 Jun 2025 17:38

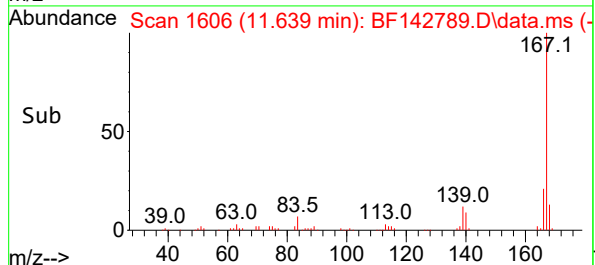
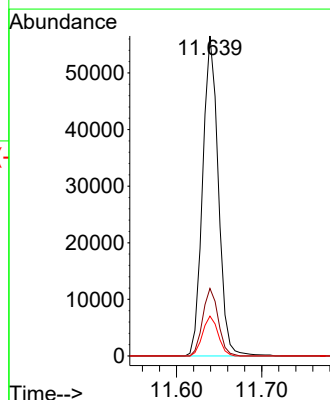
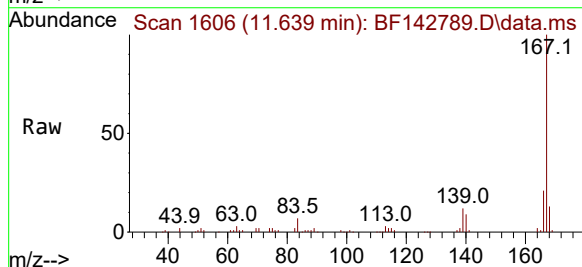
Instrument :
BNA_F
ClientSampleId :
SSTDICC005

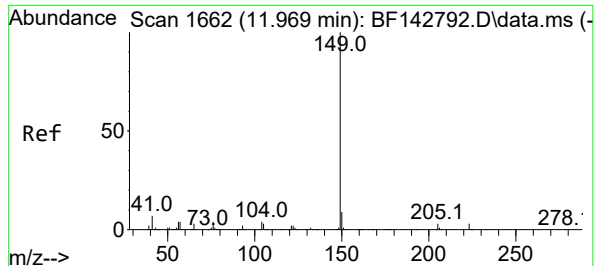
Tgt Ion	178	176	179
Resp:	84944		
Ion Ratio	100	17.6	15.1
Lower		14.6	12.4
Upper		21.8	18.6



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

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

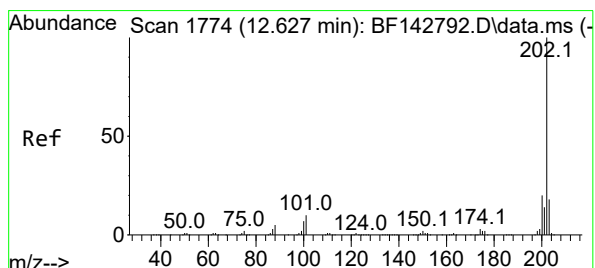
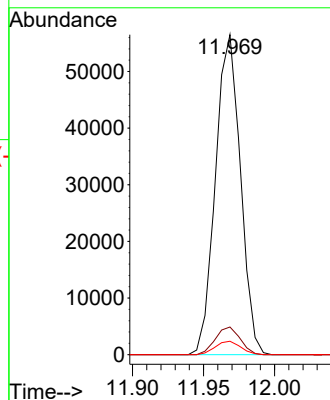
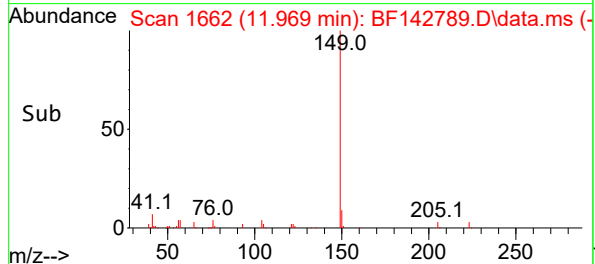
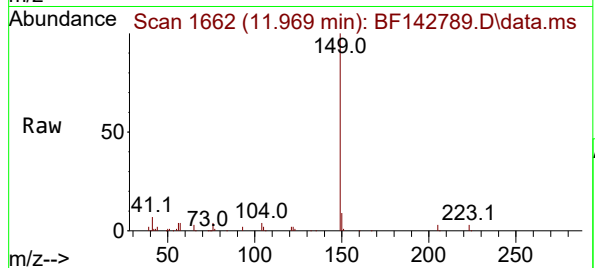




#74
Di-n-butylphthalate
Concen: 4.850 ng
RT: 11.969 min Scan# 1662
Delta R.T. 0.000 min
Lab File: BF142789.D
Acq: 19 Jun 2025 17:38

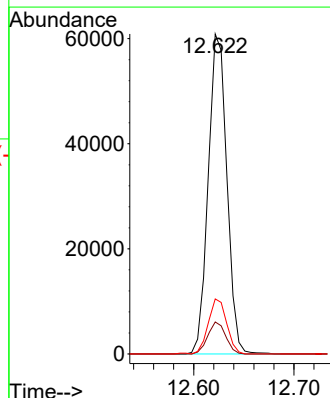
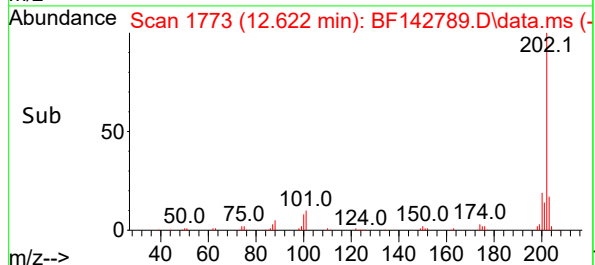
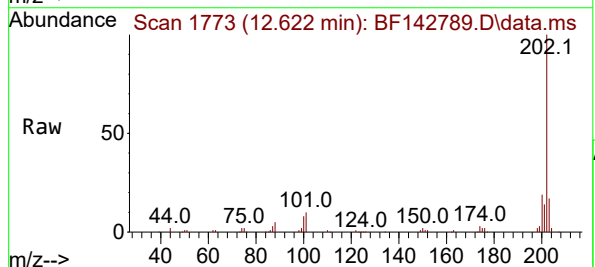
Instrument :
BNA_F
ClientSampleId :
SSTDICC005

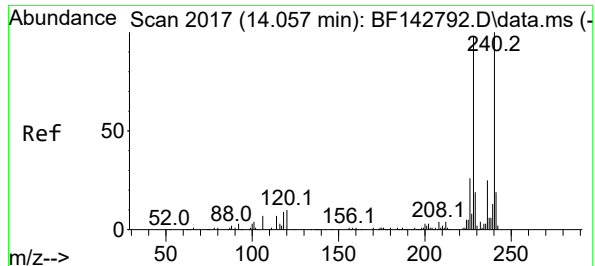
Tgt Ion:149 Resp: 69083
Ion Ratio Lower Upper
149 100
150 8.7 7.4 11.0
104 4.2 3.5 5.3



#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

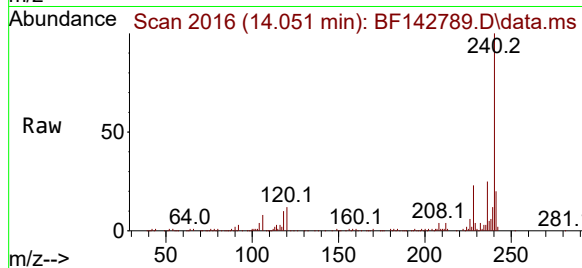
Tgt Ion:202 Resp: 78721
Ion Ratio Lower Upper
202 100
101 10.0 0.0 29.7
203 17.2 0.0 37.5



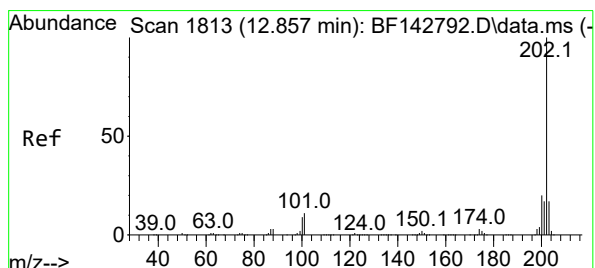
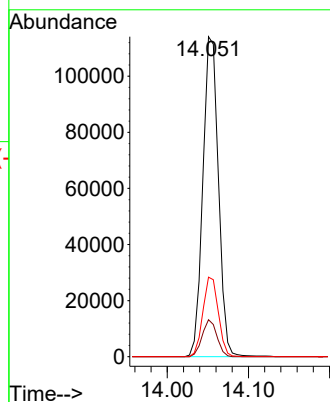
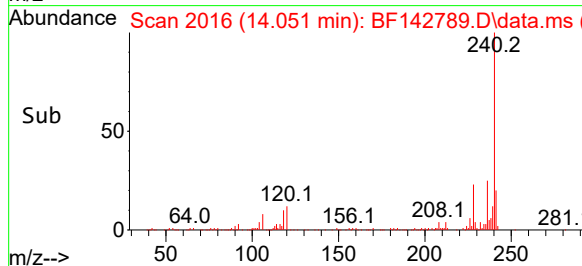


#76
Chrysene-d12
Concen: 20.000 ng
RT: 14.051 min Scan# 20
Delta R.T. -0.006 min
Lab File: BF142789.D
Acq: 19 Jun 2025 17:38

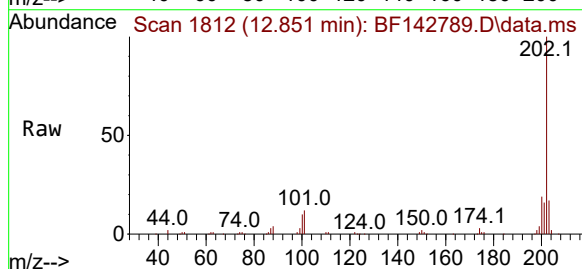
Instrument :
BNA_F
ClientSampleId :
SSTDICC005



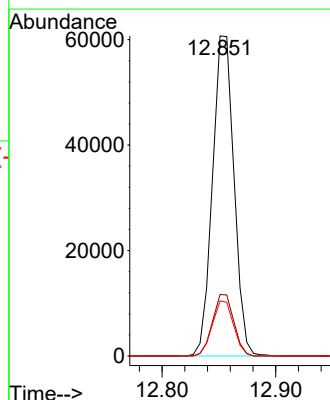
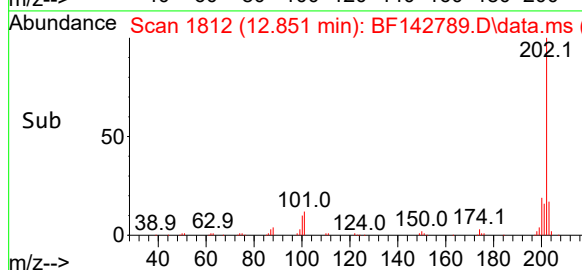
Tgt Ion:240 Resp: 151689
Ion Ratio Lower Upper
240 100
120 11.5 8.2 12.2
236 24.9 19.8 29.8

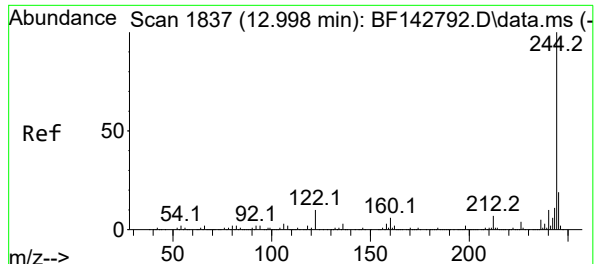


#78
Pyrene
Concen: 5.739 ng
RT: 12.851 min Scan# 1812
Delta R.T. -0.006 min
Lab File: BF142789.D
Acq: 19 Jun 2025 17:38



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

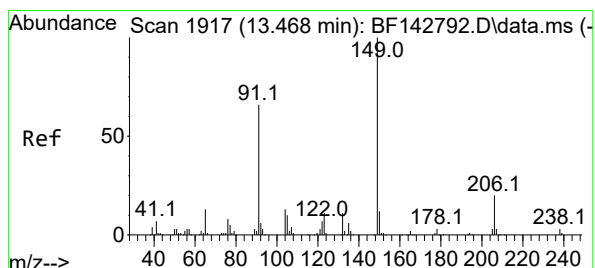
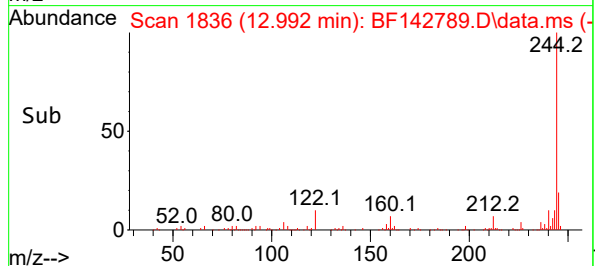
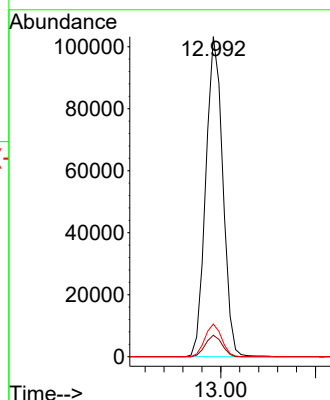
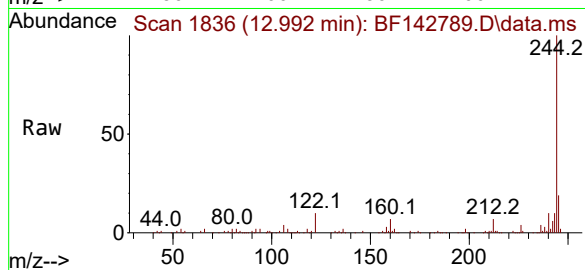
Tgt Ion:244 Resp: 128289

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

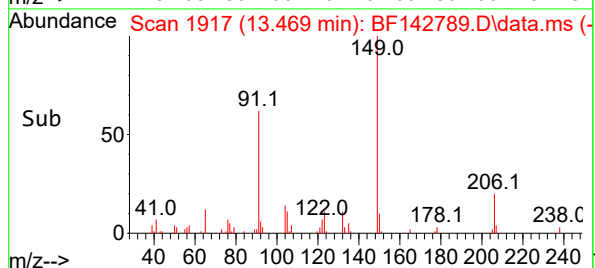
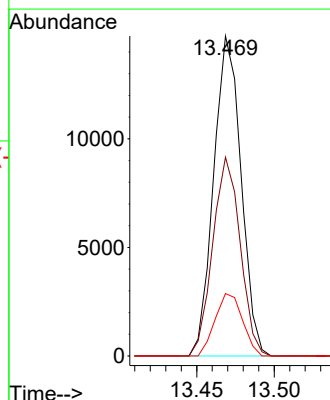
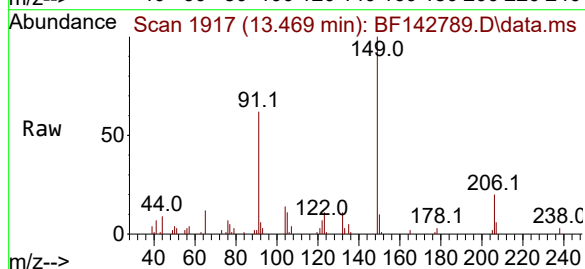
Tgt Ion:149 Resp: 18113

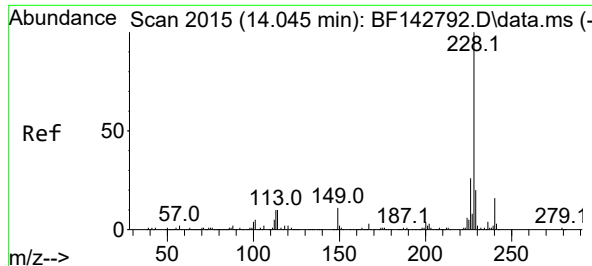
Ion Ratio Lower Upper

149 100

91 62.1 52.9 79.3

206 19.5 16.3 24.5

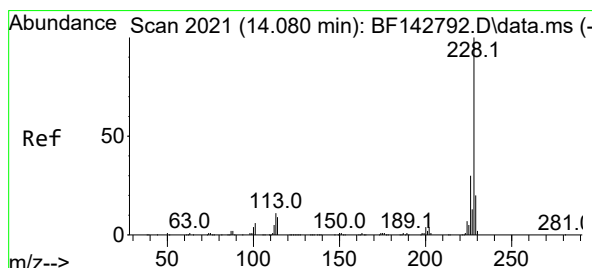
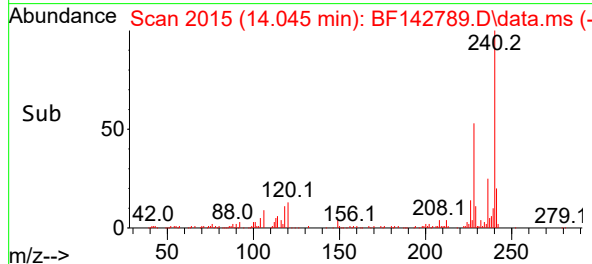
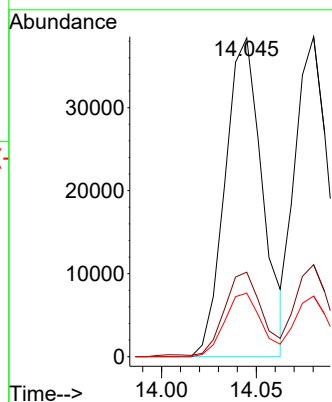
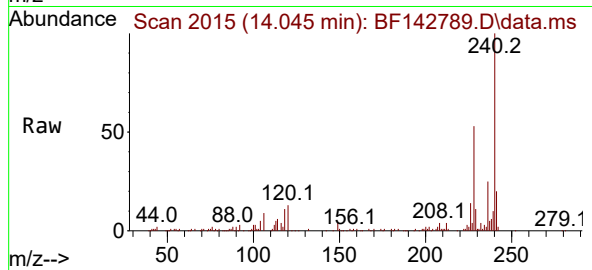




#81
Benzo(a)anthracene
Concen: 5.300 ng
RT: 14.045 min Scan# 2015
Delta R.T. 0.000 min
Lab File: BF142789.D
Acq: 19 Jun 2025 17:38

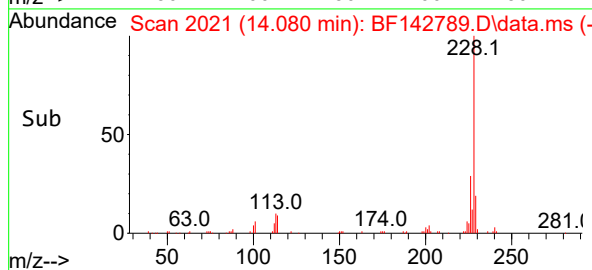
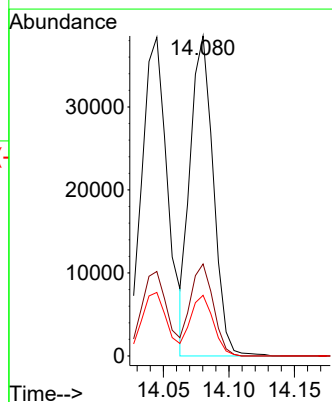
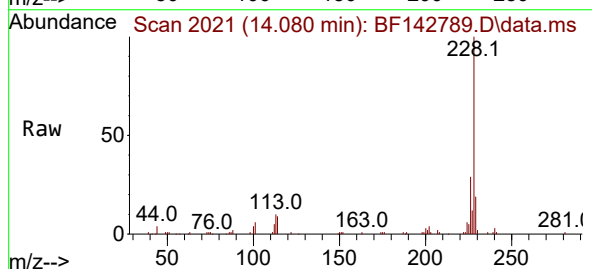
Instrument :
BNA_F
ClientSampleId :
SSTDICC005

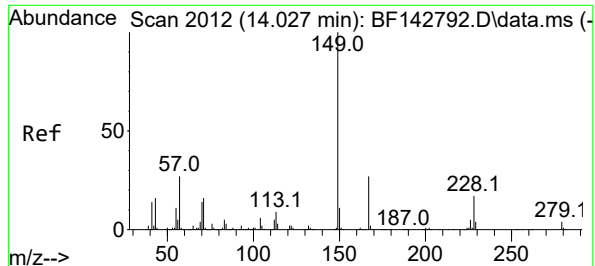
Tgt Ion:228 Resp: 52785
Ion Ratio Lower Upper
228 100
226 26.5 21.2 31.8
229 19.9 15.6 23.4



#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

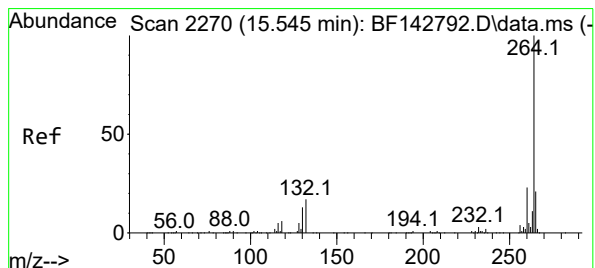
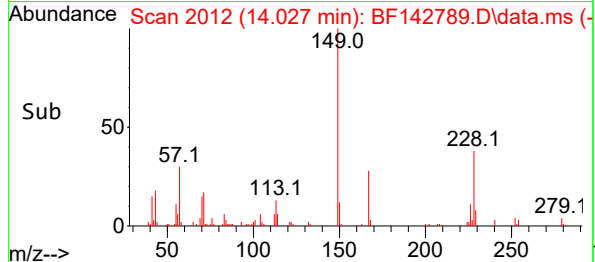
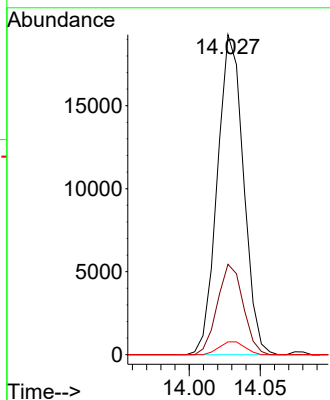
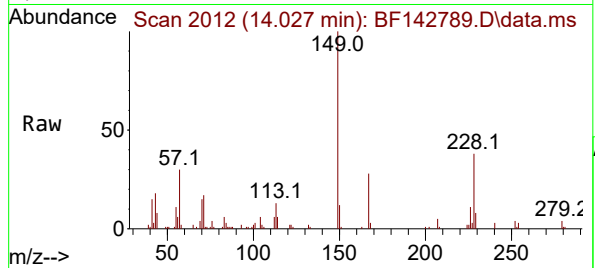




#84
Bis(2-ethylhexyl)phthalate
Concen: 4.002 ng
RT: 14.027 min Scan# 2012
Delta R.T. 0.000 min
Lab File: BF142789.D
Acq: 19 Jun 2025 17:38

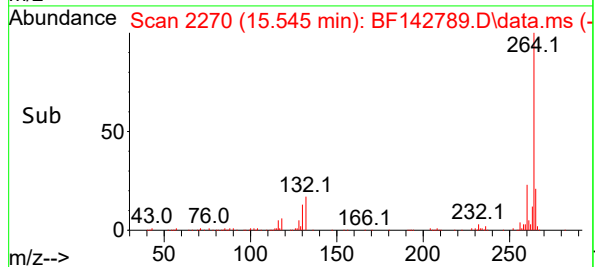
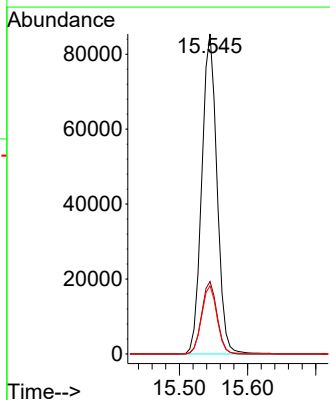
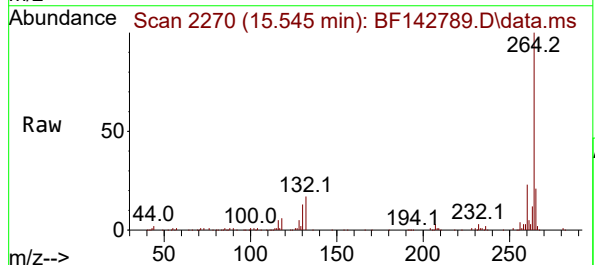
Instrument :
BNA_F
ClientSampleId :
SSTDICC005

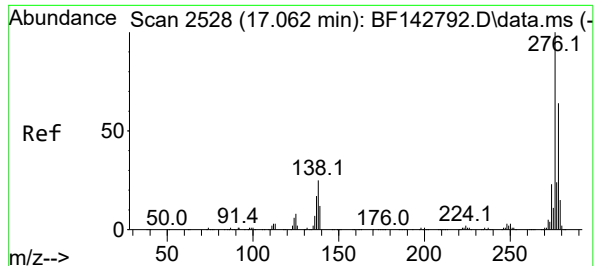
Tgt Ion	Ratio	Lower	Upper
149	100		
167	28.3	21.4	32.0
279	4.0	3.0	4.6



#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

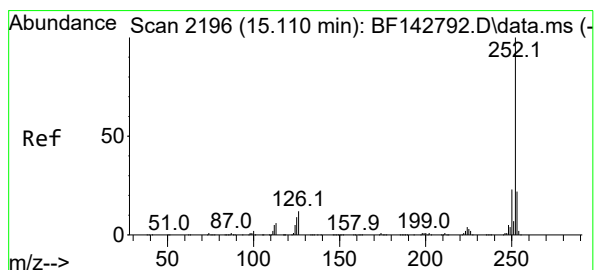
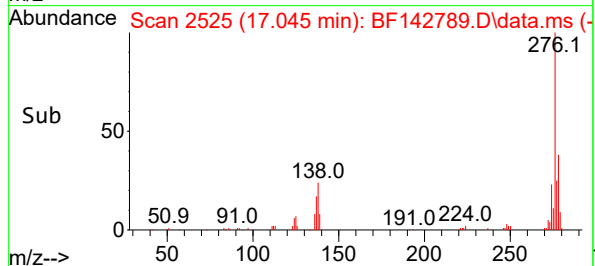
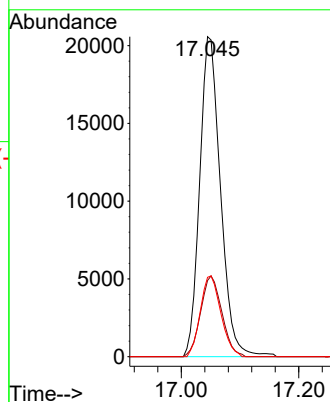
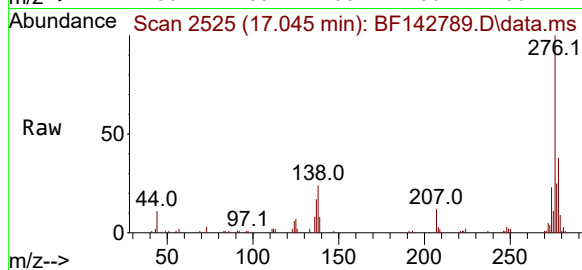
Tgt Ion:276 Resp: 50546

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

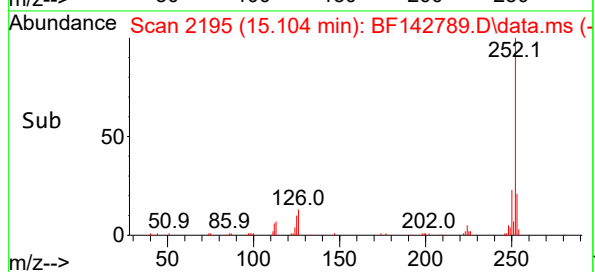
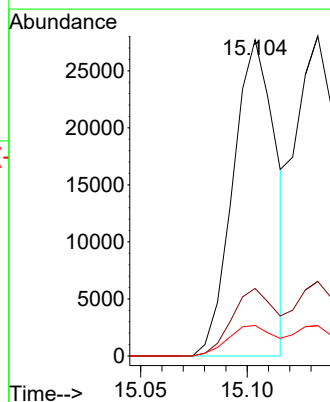
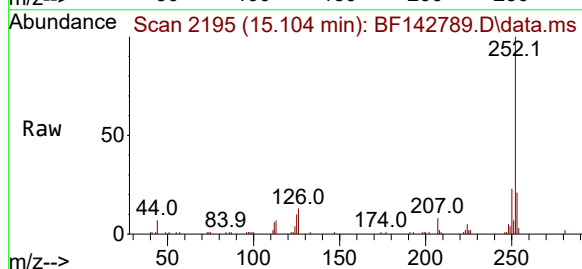
Tgt Ion:252 Resp: 38493

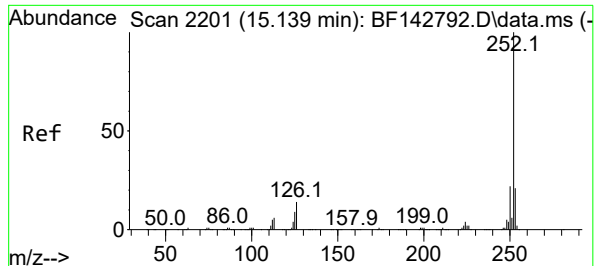
Ion Ratio Lower Upper

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

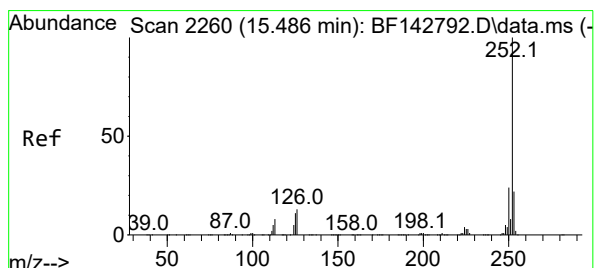
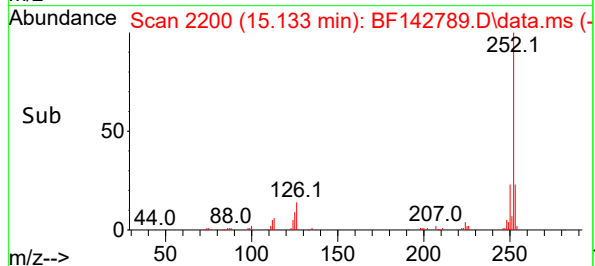
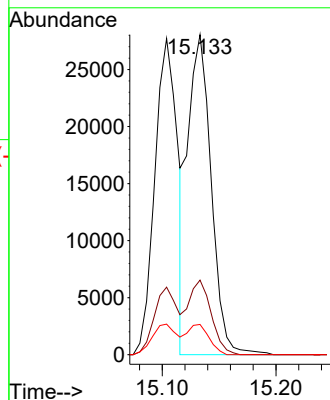
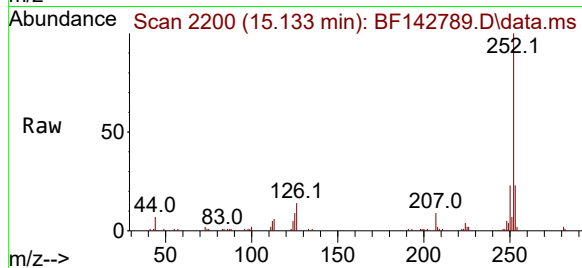
Tgt Ion:252 Resp: 39874

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

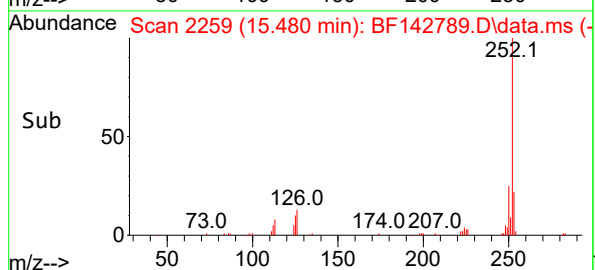
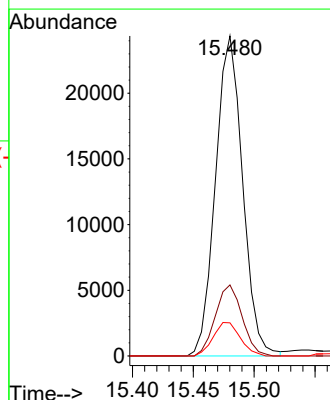
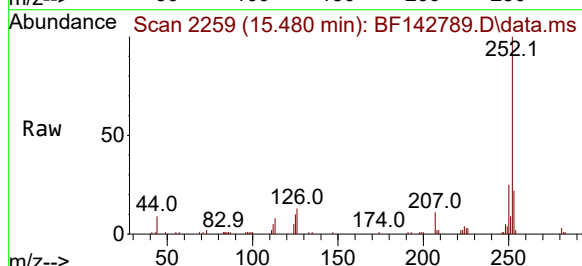
Tgt Ion:252 Resp: 37779

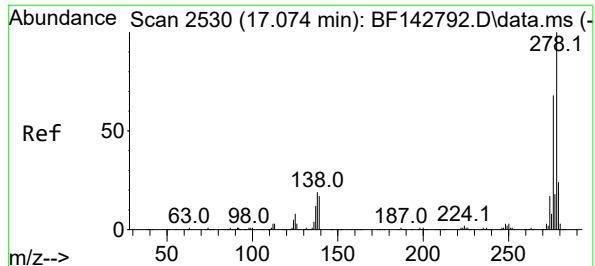
Ion Ratio Lower Upper

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

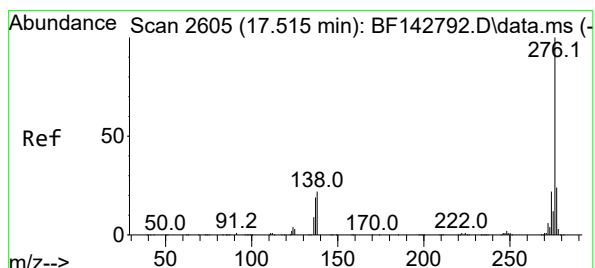
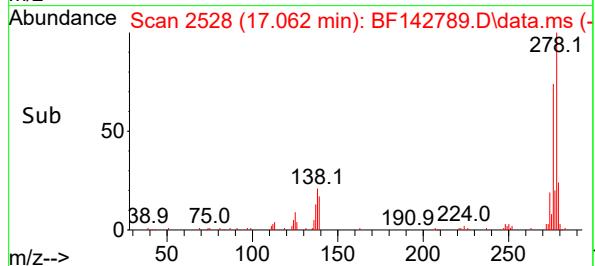
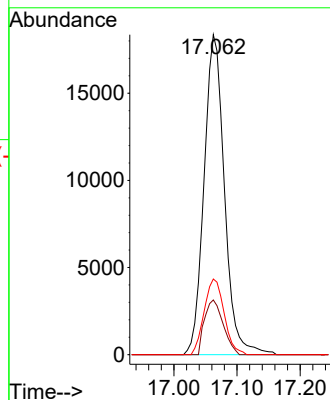
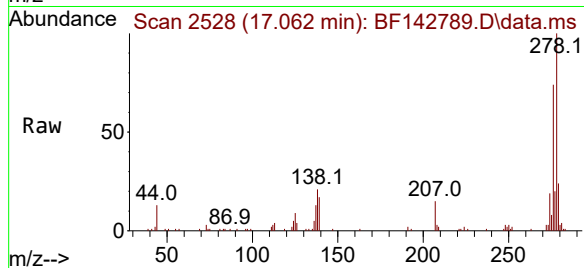
Tgt Ion:278 Resp: 41301

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

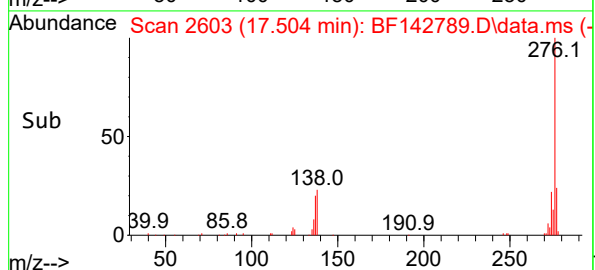
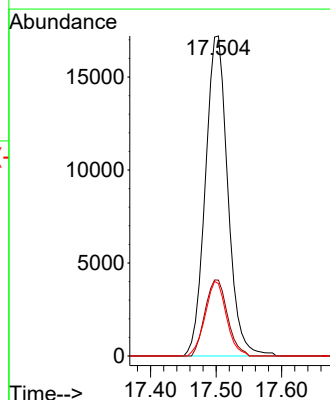
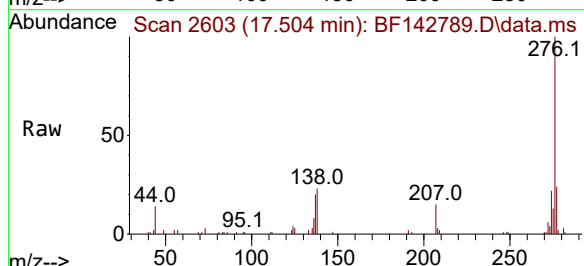
Tgt Ion:276 Resp: 40975

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

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

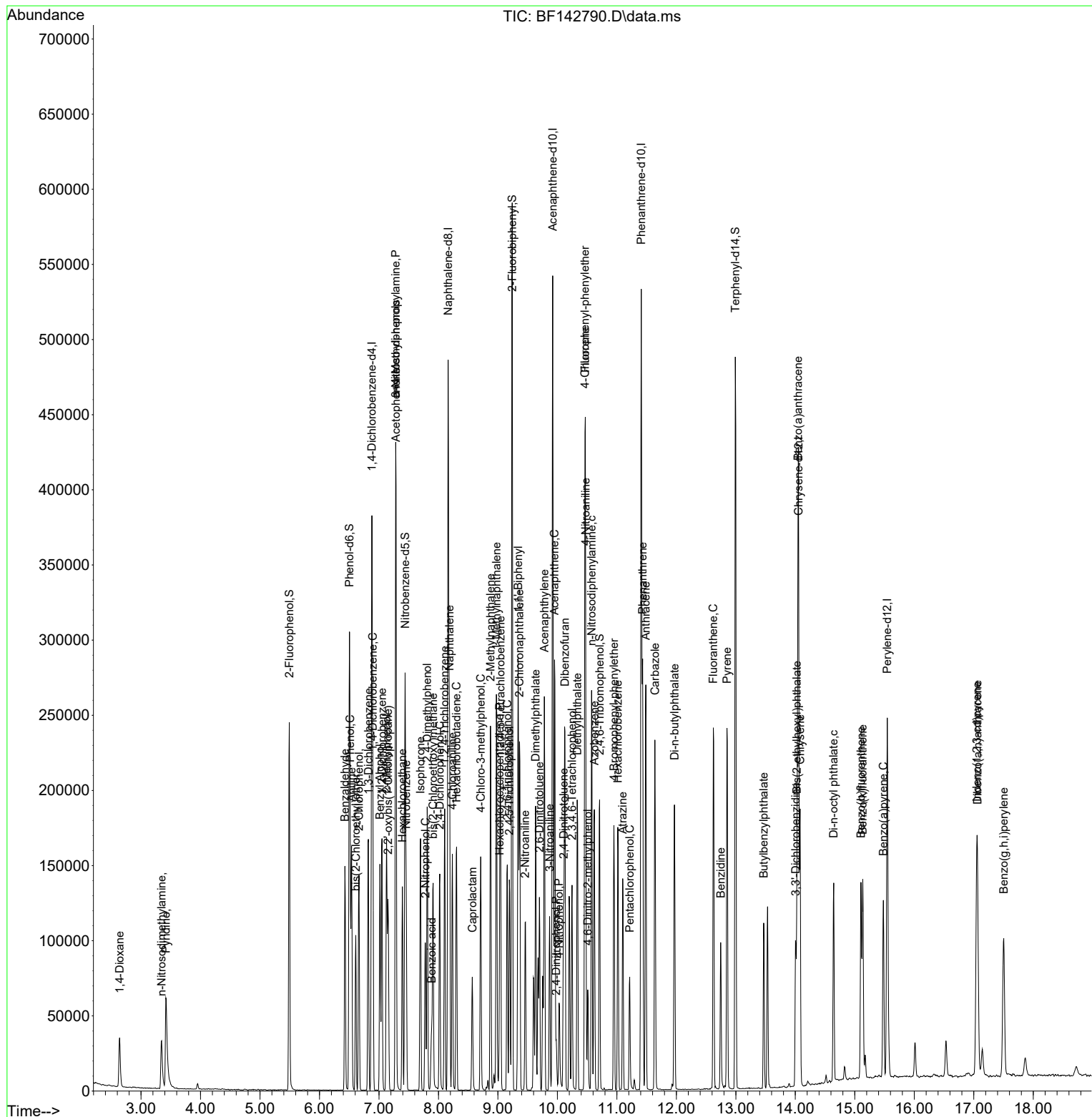
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
44) 2,4,5-Trichlorophenol	9.192	196	31900	9.987	ng	99
46) 1,1'-Biphenyl	9.339	154	127911	10.404	ng	98
47) 2-Chloronaphthalene	9.363	162	95194	10.493	ng	100
48) 2-Nitroaniline	9.457	65	26075	10.117	ng	98
49) Acenaphthylene	9.781	152	158842	10.415	ng	99
50)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

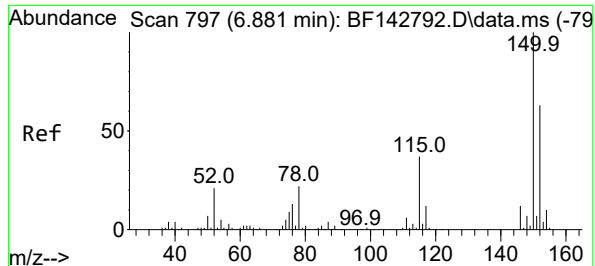
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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

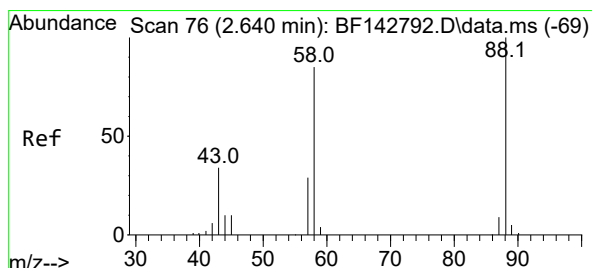
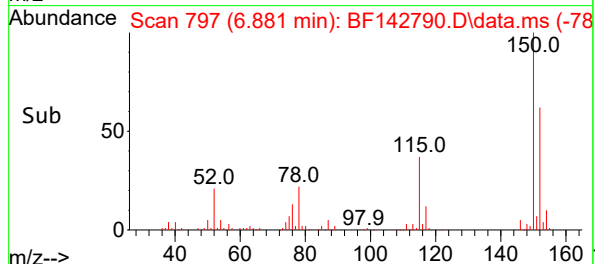
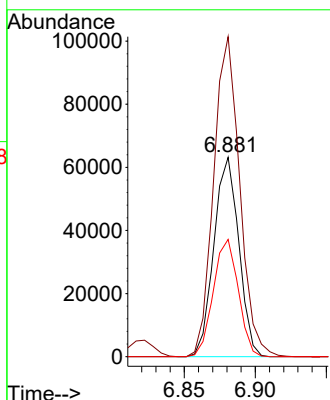
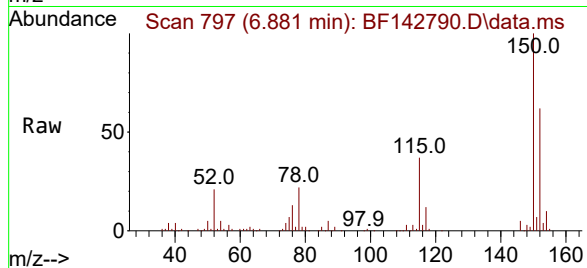




#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.881 min Scan# 79
Delta R.T. -0.000 min
Lab File: BF142790.D
Acq: 19 Jun 2025 18:08

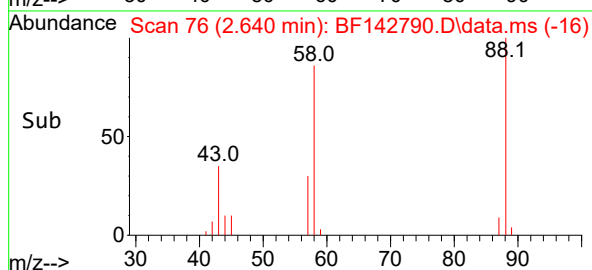
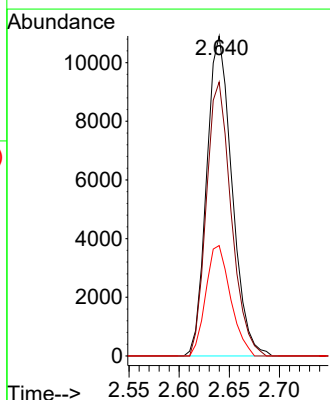
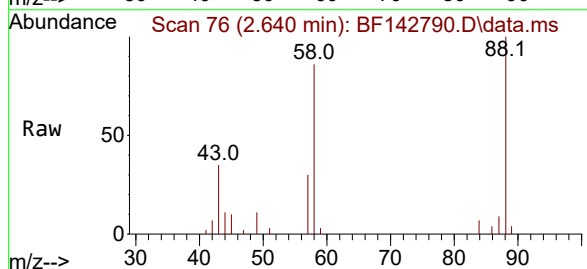
Instrument :
BNA_F
ClientSampleId :
SSTDIC010

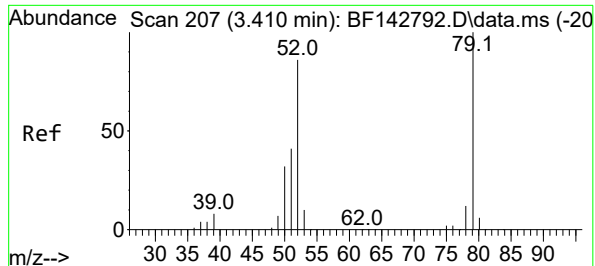
Tgt Ion:152 Resp: 76918
Ion Ratio Lower Upper
152 100
150 160.5 127.2 190.8
115 58.8 46.6 69.8



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

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





#3

Pyridine

Concen: 10.252 ng

RT: 3.416 min Scan# 20

Delta R.T. 0.006 min

Lab File: BF142790.D

Acq: 19 Jun 2025 18:08

Instrument :

BNA_F

ClientSampleId :

SSTDICC010

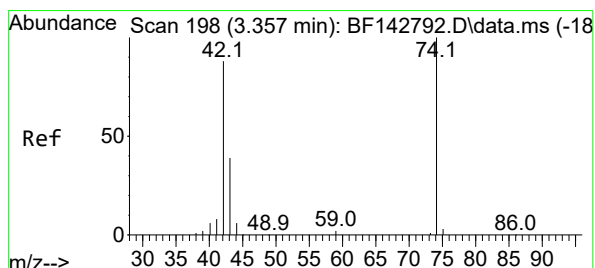
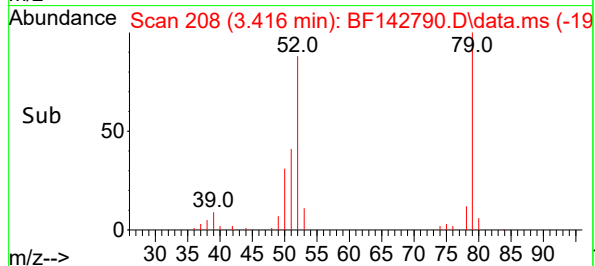
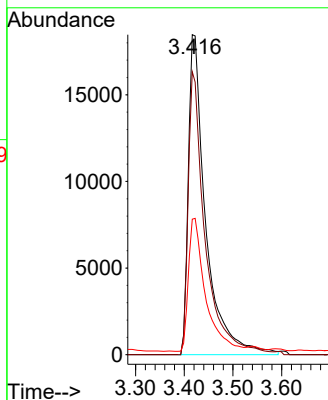
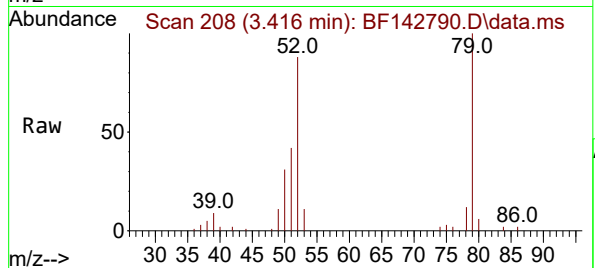
Tgt Ion: 79 Resp: 45966

Ion Ratio Lower Upper

79 100

52 88.4 69.2 103.8

51 42.4 33.2 49.8



#4

n-Nitrosodimethylamine

Concen: 10.216 ng

RT: 3.346 min Scan# 196

Delta R.T. -0.012 min

Lab File: BF142790.D

Acq: 19 Jun 2025 18:08

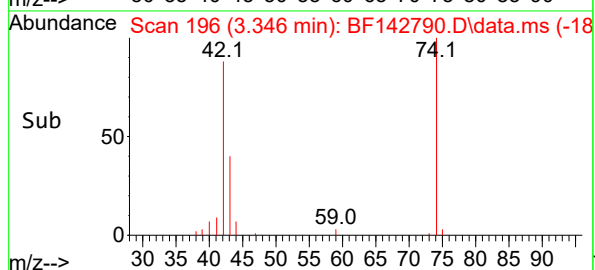
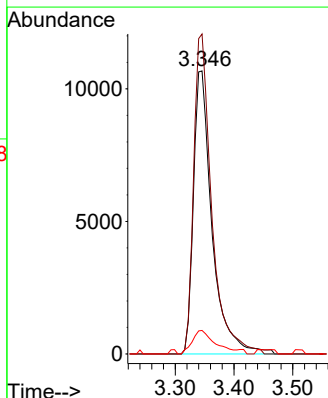
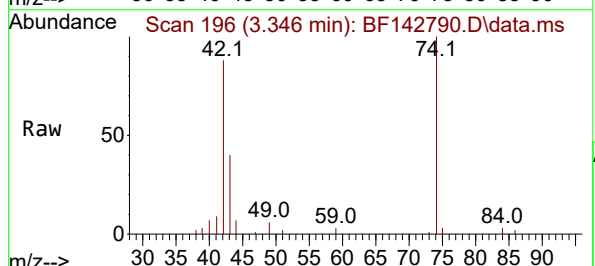
Tgt Ion: 42 Resp: 23459

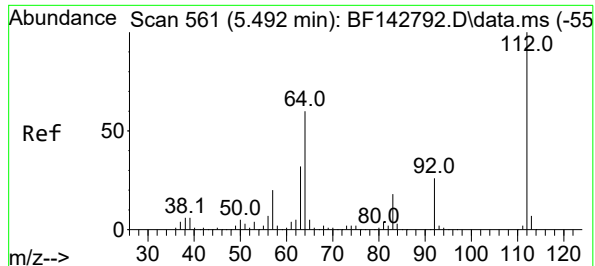
Ion Ratio Lower Upper

42 100

74 113.1 90.9 136.3

44 8.3 5.8 8.6





#5

2-Fluorophenol

Concen: 20.977 ng

RT: 5.493 min Scan# 50

Delta R.T. 0.000 min

Lab File: BF142790.D

Acq: 19 Jun 2025 18:08

Instrument :

BNA_F

ClientSampleId :

SSTDICC010

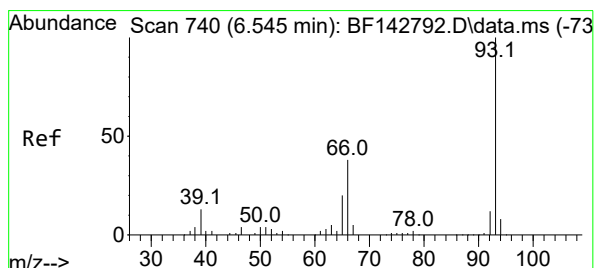
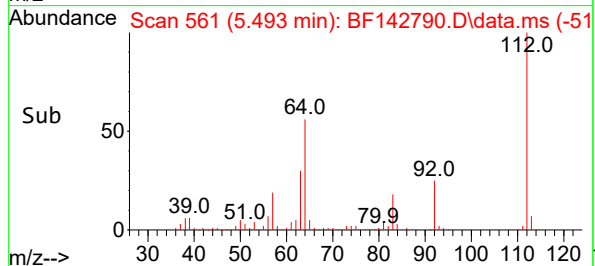
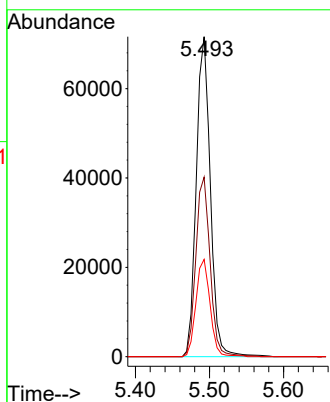
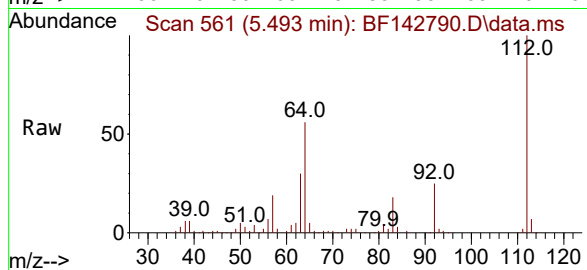
Tgt Ion:112 Resp: 94601

Ion Ratio Lower Upper

112 100

64 56.1 48.2 72.2

63 30.4 25.7 38.5



#6

Aniline

Concen: 10.537 ng

RT: 6.540 min Scan# 739

Delta R.T. -0.006 min

Lab File: BF142790.D

Acq: 19 Jun 2025 18:08

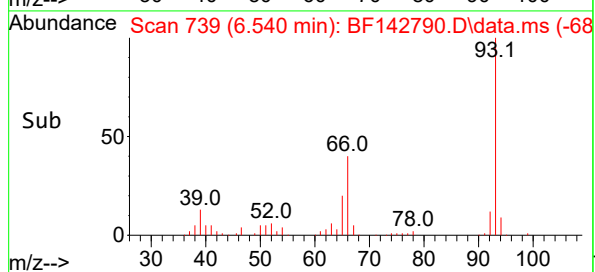
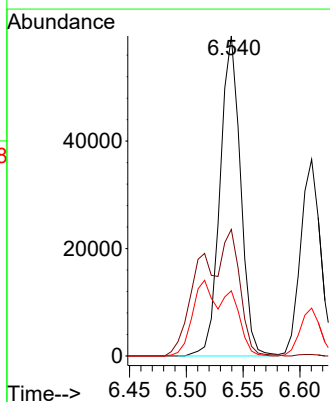
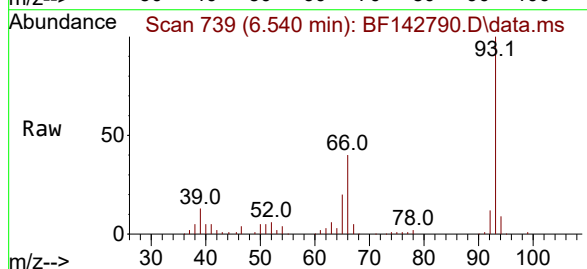
Tgt Ion: 93 Resp: 74779

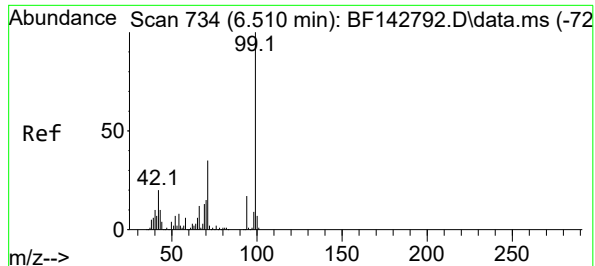
Ion Ratio Lower Upper

93 100

66 39.6 31.8 47.6

65 20.4 16.2 24.2





#7

Phenol-d6

Concen: 21.510 ng

RT: 6.504 min Scan# 71

Delta R.T. -0.006 min

Lab File: BF142790.D

Acq: 19 Jun 2025 18:08

Instrument :

BNA_F

ClientSampleId :

SSTDICC010

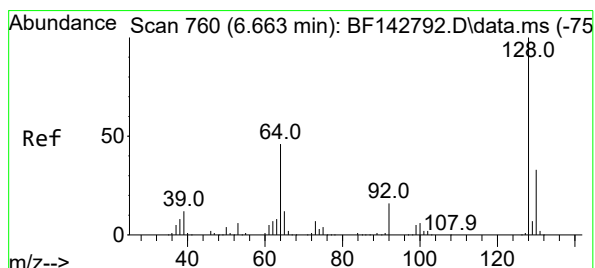
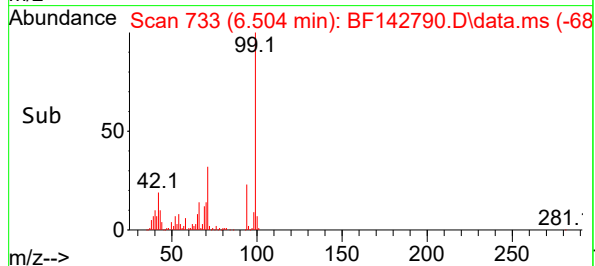
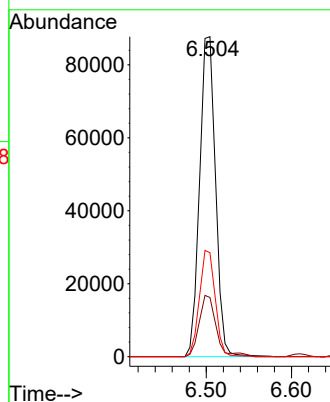
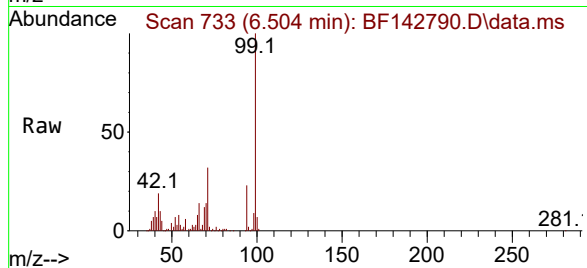
Tgt Ion: 99 Resp: 113910

Ion Ratio Lower Upper

99 100

42 18.5 15.9 23.9

71 32.5 27.8 41.8



#8

2-Chlorophenol

Concen: 10.208 ng

RT: 6.663 min Scan# 760

Delta R.T. 0.000 min

Lab File: BF142790.D

Acq: 19 Jun 2025 18:08

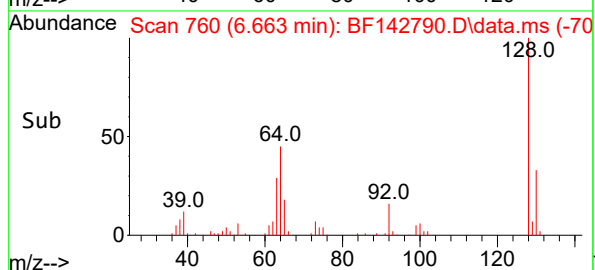
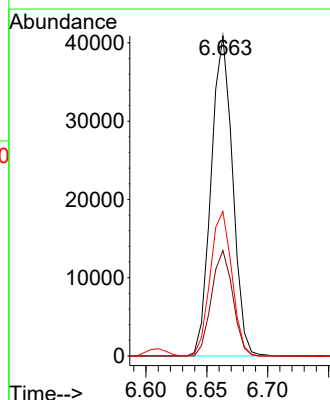
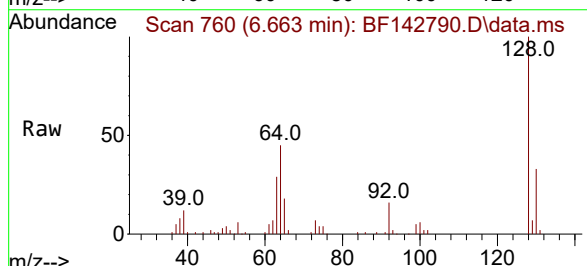
Tgt Ion:128 Resp: 50128

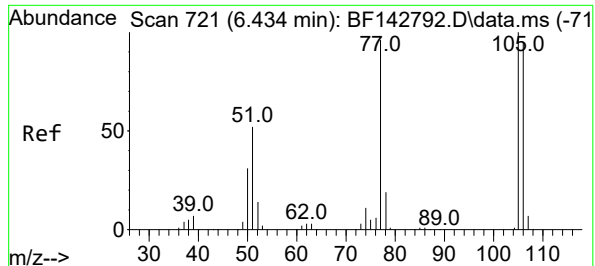
Ion Ratio Lower Upper

128 100

130 33.0 12.7 52.7

64 45.2 26.5 66.5





#9

Benzaldehyde

Concen: 11.768 ng

RT: 6.428 min Scan# 71

Delta R.T. -0.006 min

Lab File: BF142790.D

Acq: 19 Jun 2025 18:08

Instrument :

BNA_F

ClientSampleId :

SSTDICC010

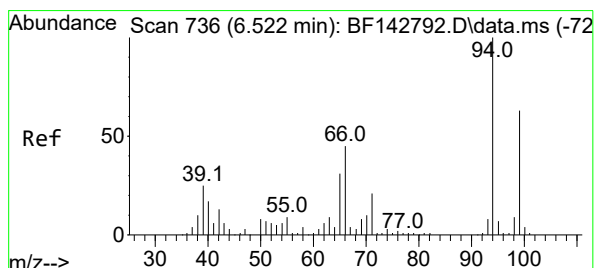
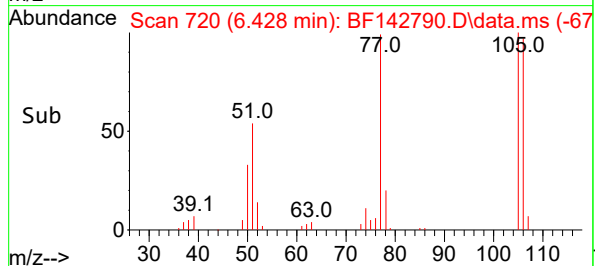
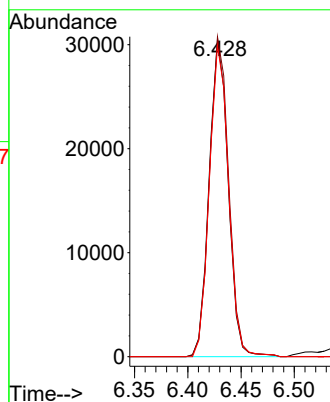
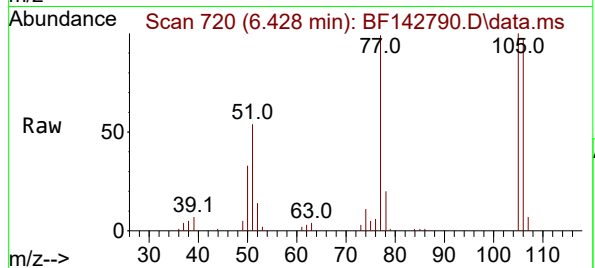
Tgt Ion: 77 Resp: 37993

Ion Ratio Lower Upper

77 100

105 100.8 83.8 123.8

106 98.1 78.7 118.7



#10

Phenol

Concen: 10.769 ng

RT: 6.516 min Scan# 735

Delta R.T. -0.006 min

Lab File: BF142790.D

Acq: 19 Jun 2025 18:08

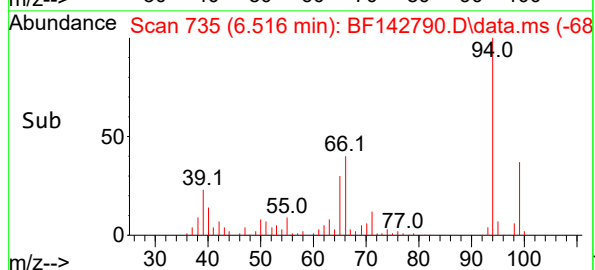
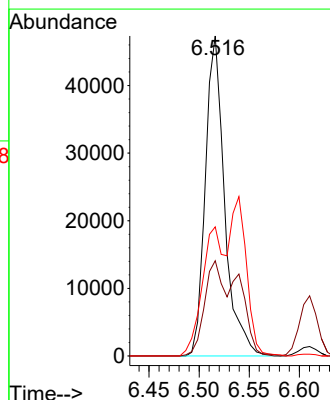
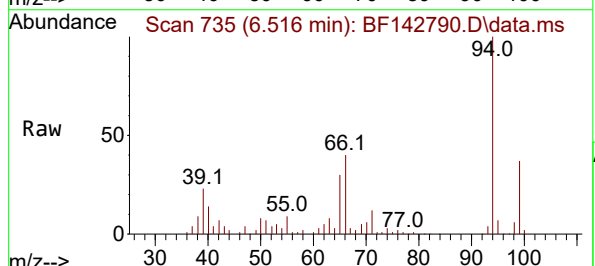
Tgt Ion: 94 Resp: 63585

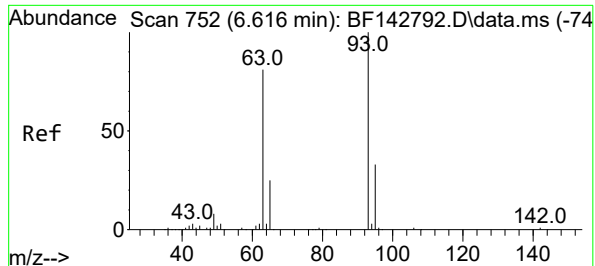
Ion Ratio Lower Upper

94 100

65 29.8 11.3 51.3

66 40.3 24.9 64.9

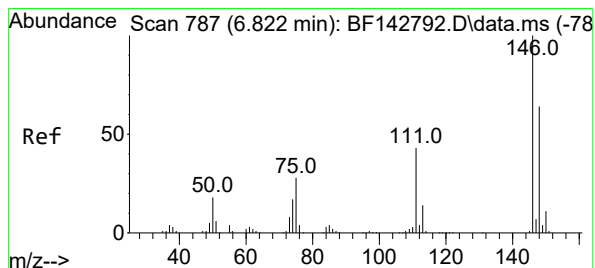
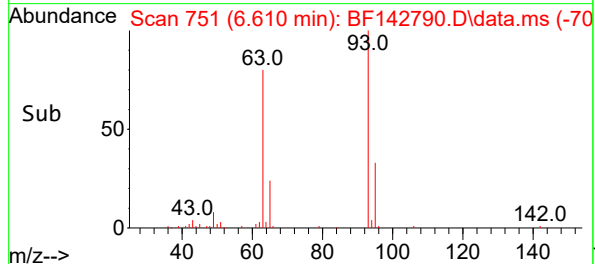
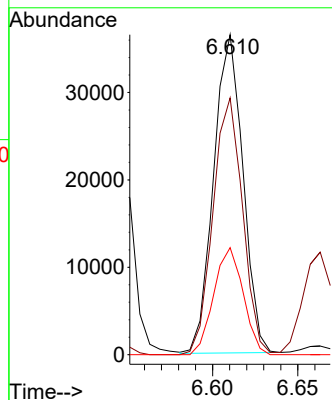
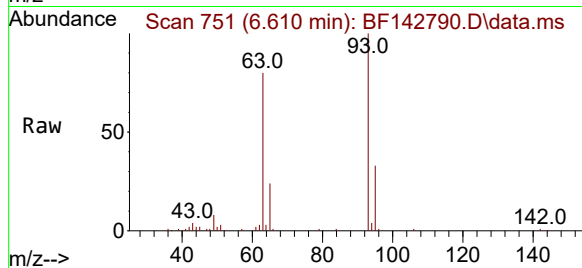




#11
bis(2-Chloroethyl)ether
Concen: 9.950 ng
RT: 6.610 min Scan# 751
Delta R.T. -0.006 min
Lab File: BF142790.D
Acq: 19 Jun 2025 18:08

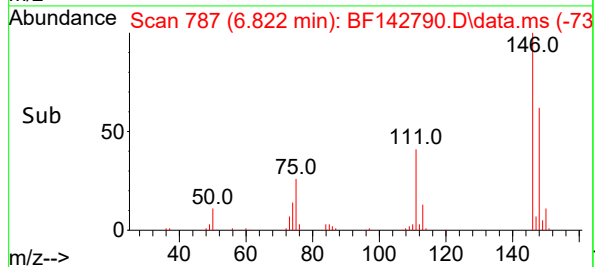
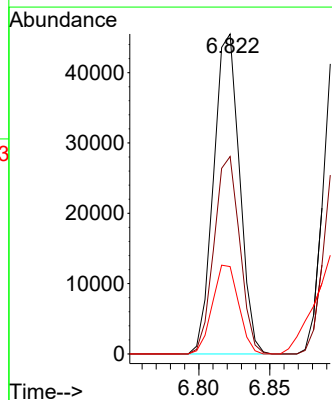
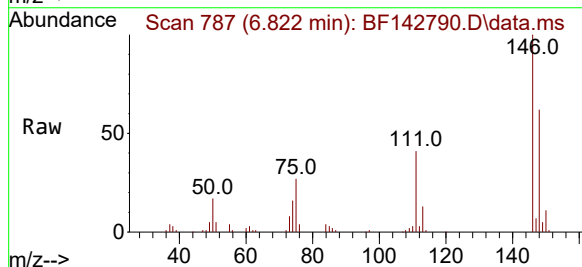
Instrument :
BNA_F
ClientSampleId :
SSTDICC010

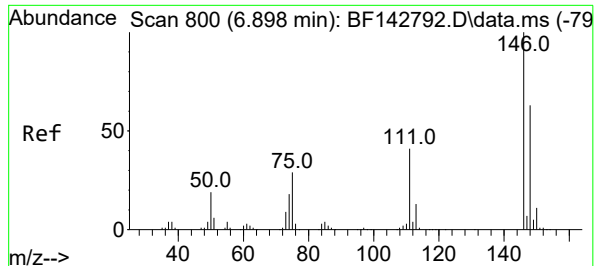
Tgt Ion:	93	Resp:	43585
Ion	Ratio	Lower	Upper
93	100		
63	80.2	60.3	100.3
95	33.5	12.5	52.5



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

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





#13

1,4-Dichlorobenzene

Concen: 10.149 ng

RT: 6.898 min Scan# 800

Delta R.T. 0.000 min

Lab File: BF142790.D

Acq: 19 Jun 2025 18:08

Instrument :

BNA_F

ClientSampleId :

SSTDICC010

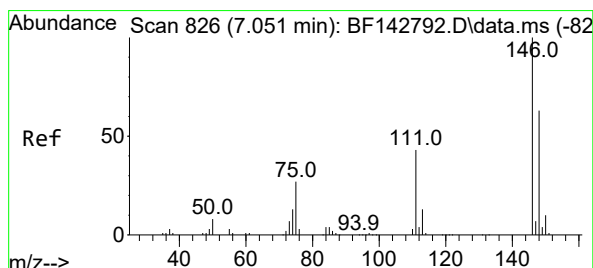
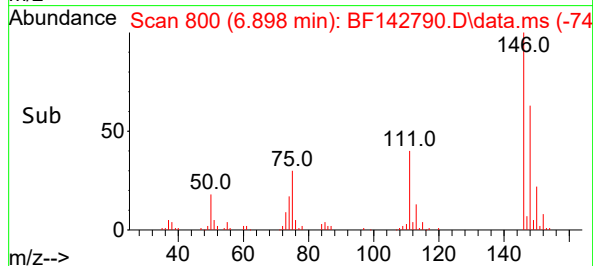
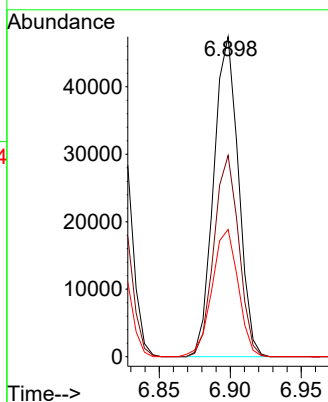
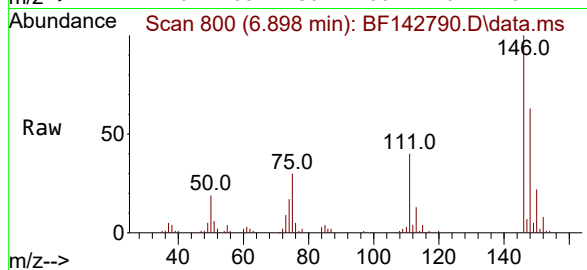
Tgt Ion:146 Resp: 57522

Ion Ratio Lower Upper

146 100

148 62.9 50.2 75.2

111 39.8 33.2 49.8



#14

1,2-Dichlorobenzene

Concen: 10.091 ng

RT: 7.051 min Scan# 826

Delta R.T. 0.000 min

Lab File: BF142790.D

Acq: 19 Jun 2025 18:08

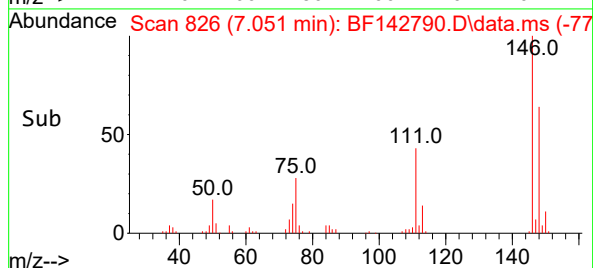
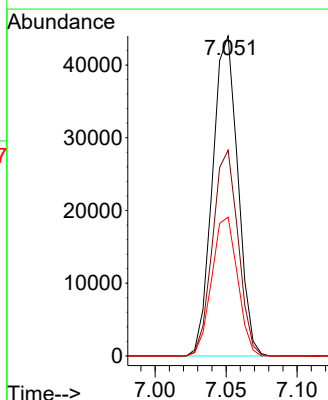
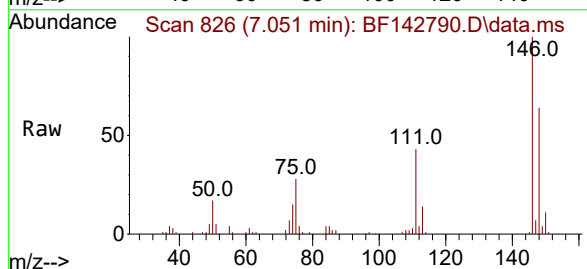
Tgt Ion:146 Resp: 54672

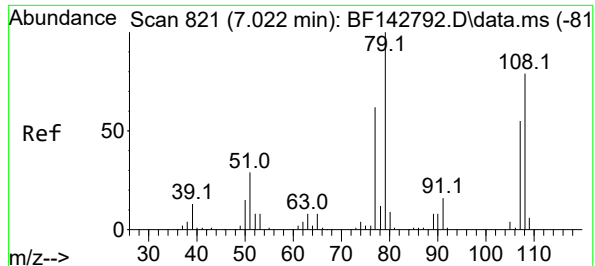
Ion Ratio Lower Upper

146 100

148 64.3 50.4 75.6

111 43.4 34.1 51.1





#15

Benzyl Alcohol

Concen: 9.927 ng

RT: 7.016 min Scan# 81

Delta R.T. -0.006 min

Lab File: BF142790.D

Acq: 19 Jun 2025 18:08

Instrument :

BNA_F

ClientSampleId :

SSTDIC010

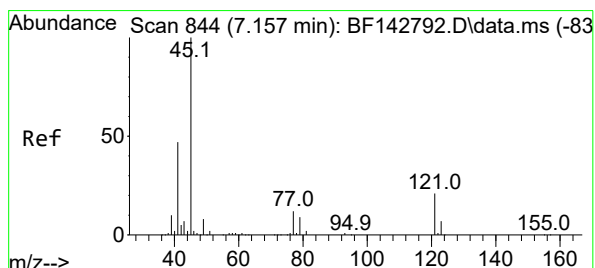
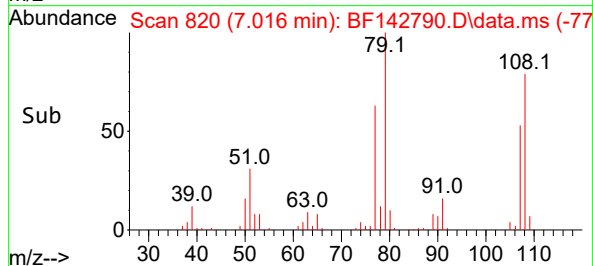
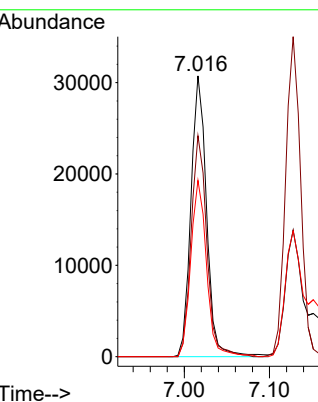
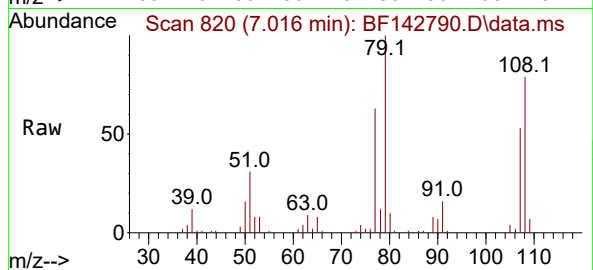
Tgt Ion: 79 Resp: 39348

Ion Ratio Lower Upper

79 100

108 78.7 63.4 95.0

77 62.8 49.5 74.3



#16

2,2'-oxybis(1-Chloropropane)

Concen: 10.417 ng

RT: 7.151 min Scan# 843

Delta R.T. -0.006 min

Lab File: BF142790.D

Acq: 19 Jun 2025 18:08

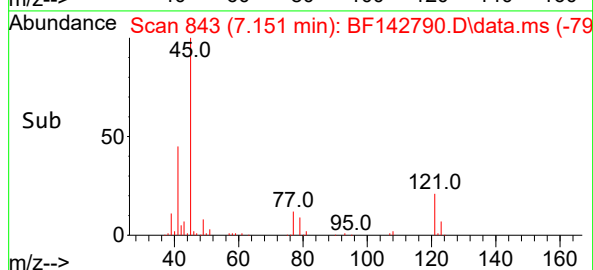
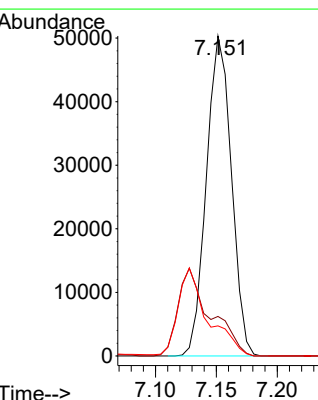
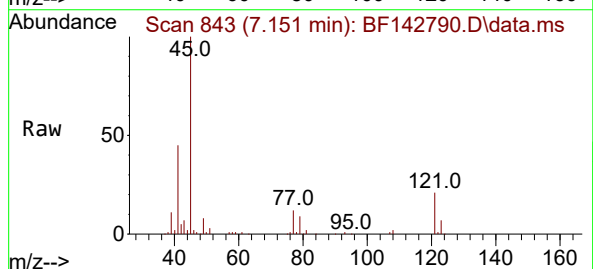
Tgt Ion: 45 Resp: 71897

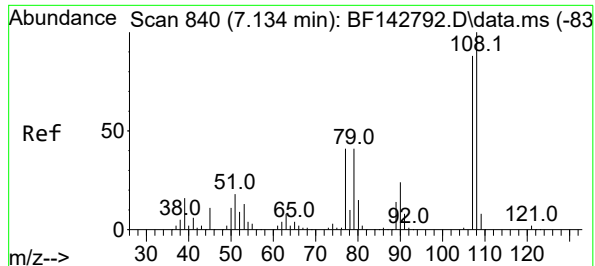
Ion Ratio Lower Upper

45 100

77 12.4 0.0 32.8

79 9.4 0.0 29.8

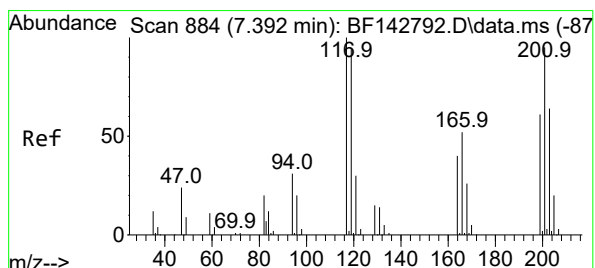
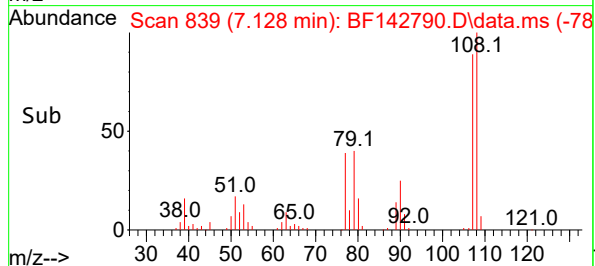
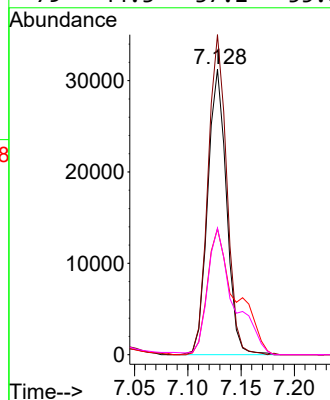
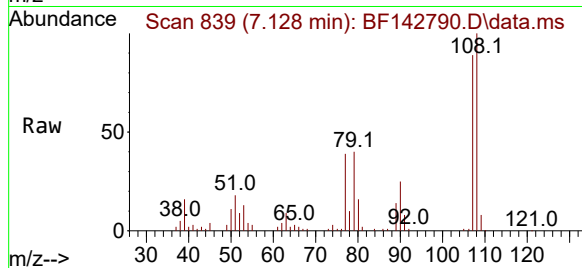




#17
2-Methylphenol
Concen: 10.217 ng
RT: 7.128 min Scan# 81
Delta R.T. -0.006 min
Lab File: BF142790.D
Acq: 19 Jun 2025 18:08

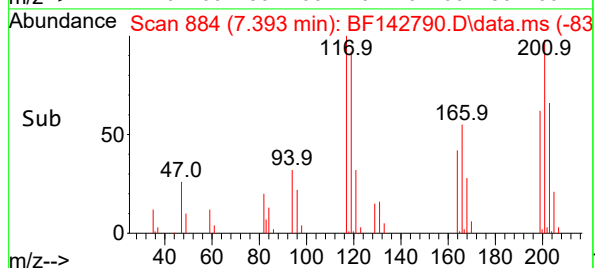
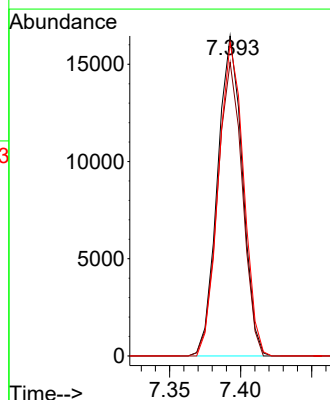
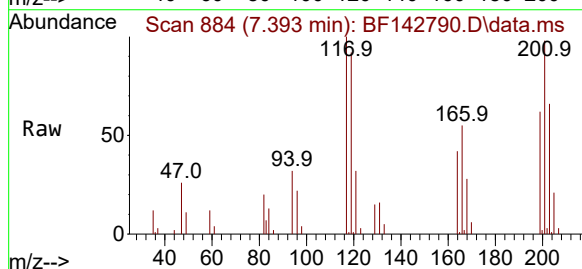
Instrument :
BNA_F
ClientSampleId :
SSTDICC010

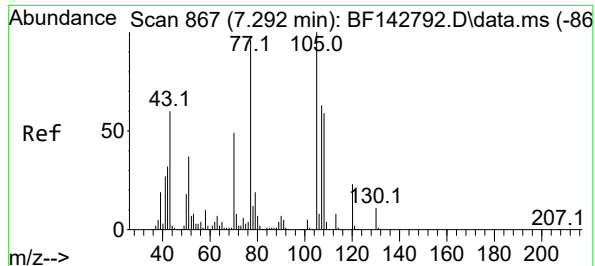
Tgt Ion:107 Resp: 38357
Ion Ratio Lower Upper
107 100
108 112.1 90.9 136.3
77 44.1 37.3 55.9
79 44.3 37.2 55.8



#18
Hexachloroethane
Concen: 9.889 ng
RT: 7.393 min Scan# 884
Delta R.T. 0.000 min
Lab File: BF142790.D
Acq: 19 Jun 2025 18:08

Tgt Ion:117 Resp: 20035
Ion Ratio Lower Upper
117 100
119 91.8 75.4 113.0
201 98.0 75.9 113.9





#19

n-Nitroso-di-n-propylamine

Concen: 9.670 ng

RT: 7.281 min Scan# 865

Delta R.T. -0.012 min

Lab File: BF142790.D

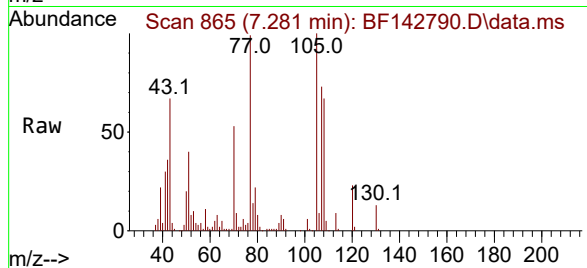
Acq: 19 Jun 2025 18:08

Instrument :

BNA_F

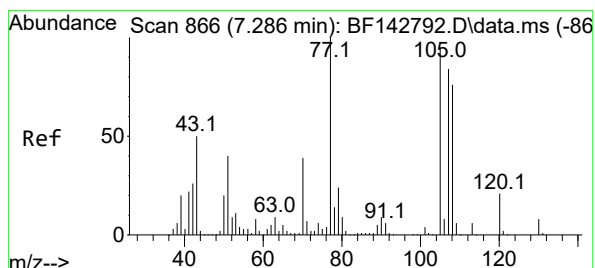
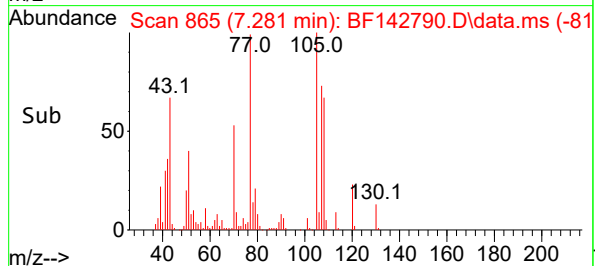
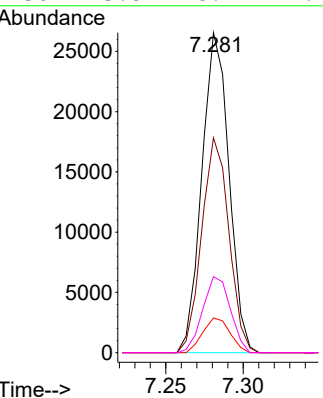
ClientSampleId :

SSTDICC010



Tgt Ion: 70 Resp: 32293

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



#20

3+4-Methylphenols

Concen: 10.513 ng

RT: 7.281 min Scan# 865

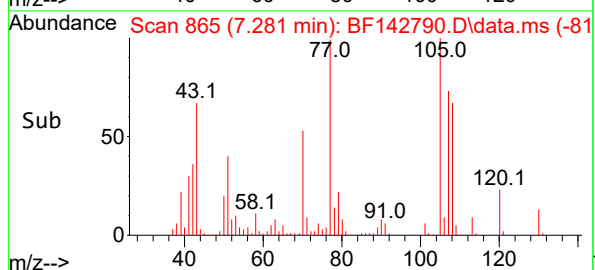
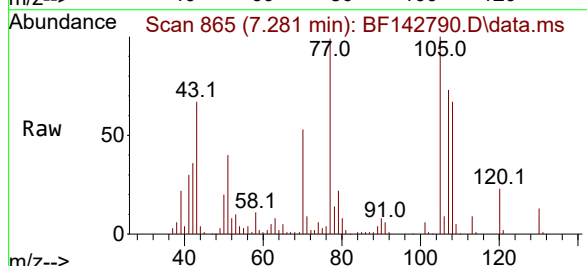
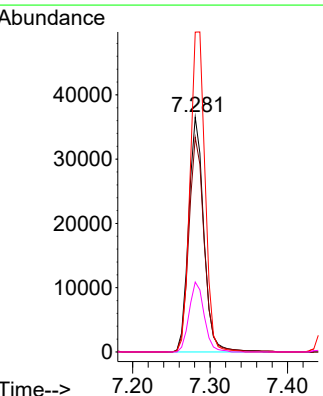
Delta R.T. -0.006 min

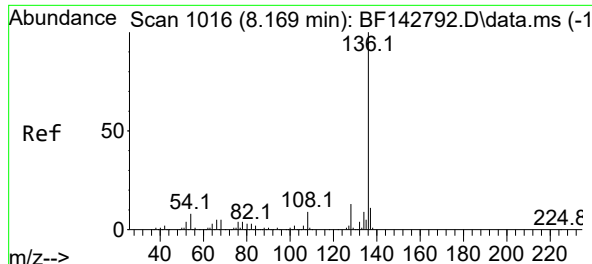
Lab File: BF142790.D

Acq: 19 Jun 2025 18:08

Tgt Ion: 107 Resp: 49675

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





#21

Naphthalene-d8

Concen: 20.000 ng

RT: 8.163 min Scan# 1016

Delta R.T. -0.006 min

Lab File: BF142790.D

Acq: 19 Jun 2025 18:08

Instrument :

BNA_F

ClientSampleId :

SSTDICC010

Tgt Ion:136 Resp: 299903

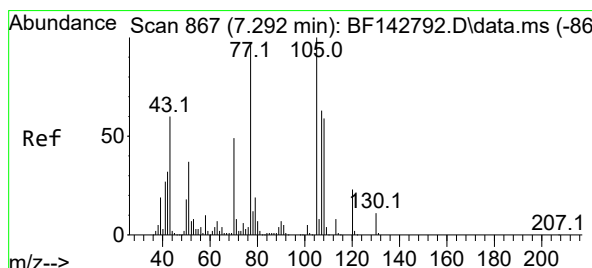
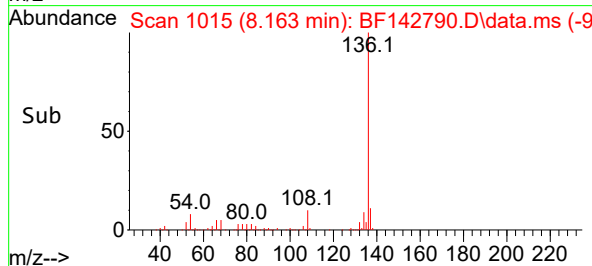
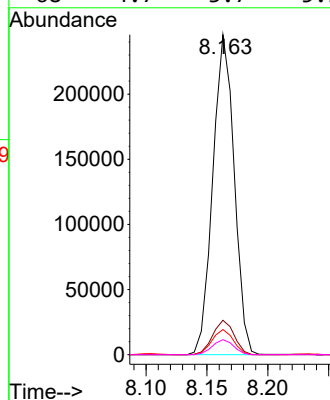
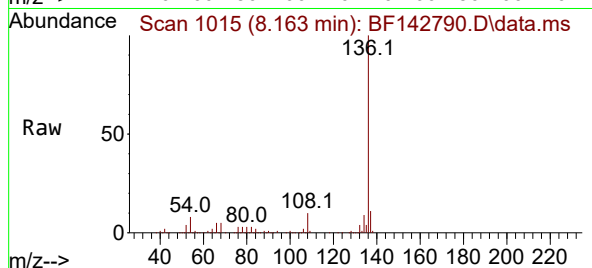
Ion Ratio Lower Upper

136 100

137 10.8 8.4 12.6

54 7.9 6.3 9.5

68 4.7 3.7 5.5



#22

Acetophenone

Concen: 10.197 ng

RT: 7.287 min Scan# 866

Delta R.T. -0.006 min

Lab File: BF142790.D

Acq: 19 Jun 2025 18:08

Tgt Ion:105 Resp: 67666

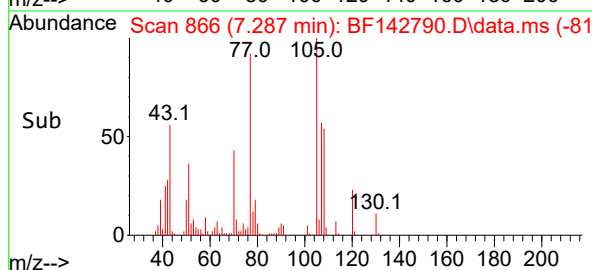
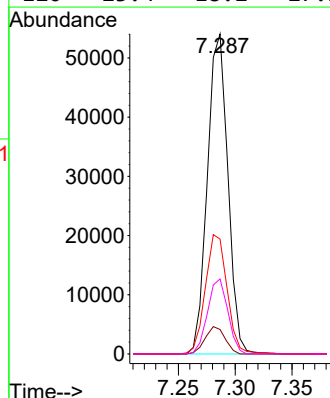
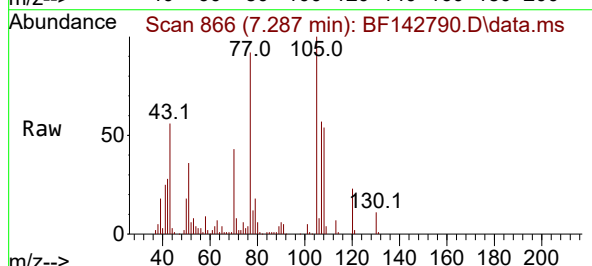
Ion Ratio Lower Upper

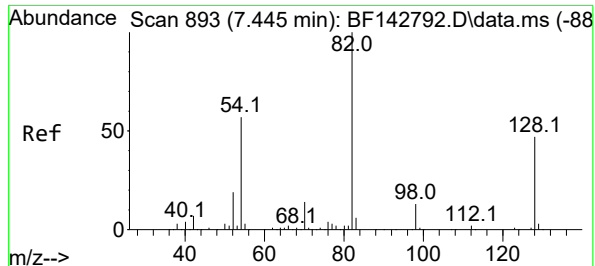
105 100

71 7.7 6.5 9.7

51 35.9 29.8 44.8

120 23.4 18.2 27.2





#23

Nitrobenzene-d5

Concen: 19.832 ng

RT: 7.440 min Scan# 891

Delta R.T. -0.006 min

Lab File: BF142790.D

Acq: 19 Jun 2025 18:08

Instrument :

BNA_F

ClientSampleId :

SSTDICC010

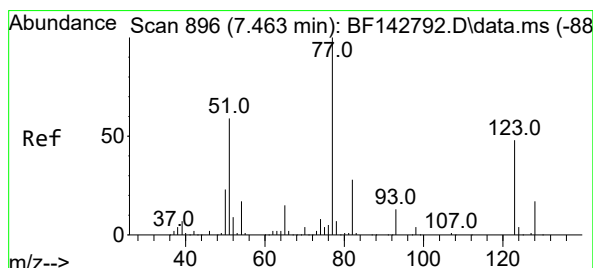
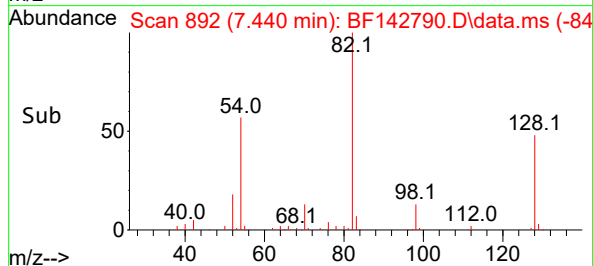
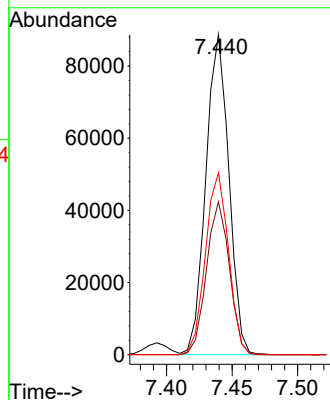
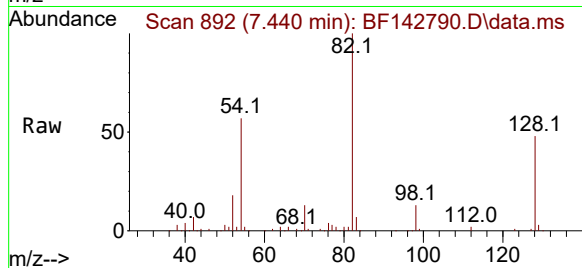
Tgt Ion: 82 Resp: 108508

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

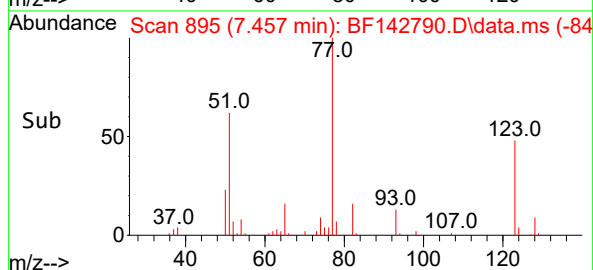
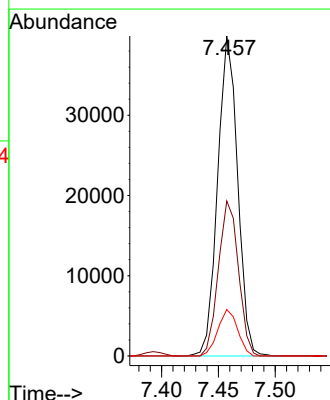
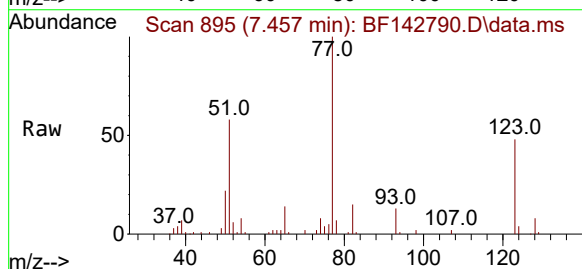
Tgt Ion: 77 Resp: 48789

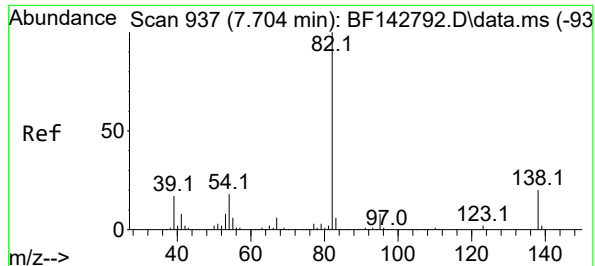
Ion Ratio Lower Upper

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

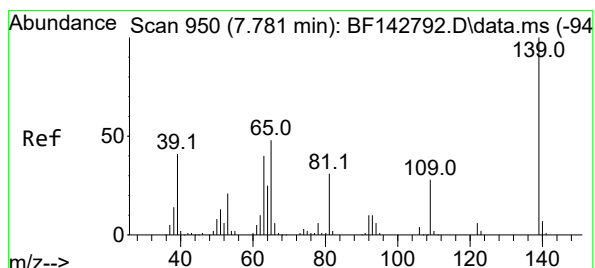
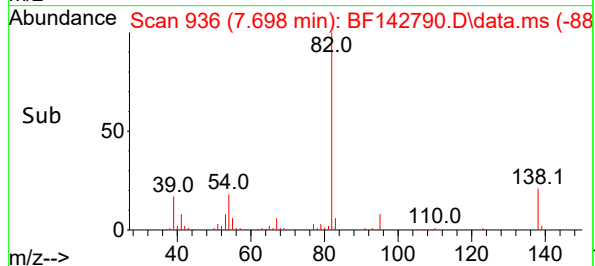
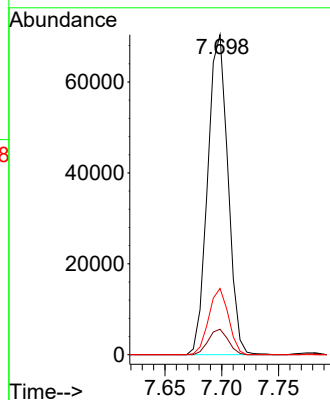
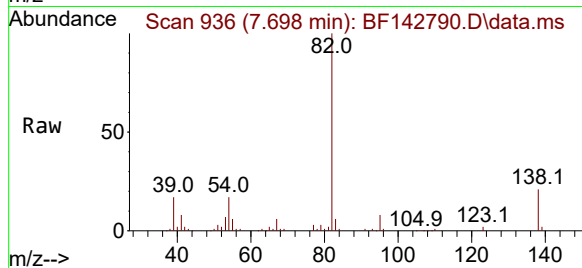
Tgt Ion: 82 Resp: 87205

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

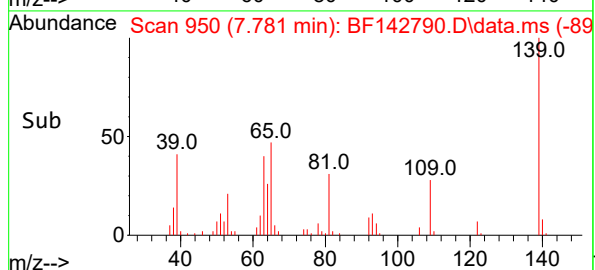
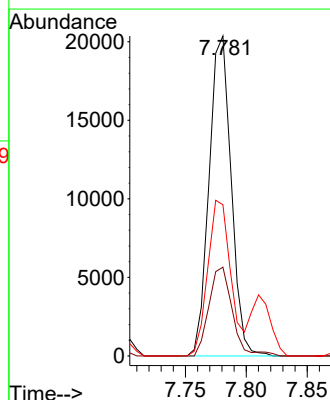
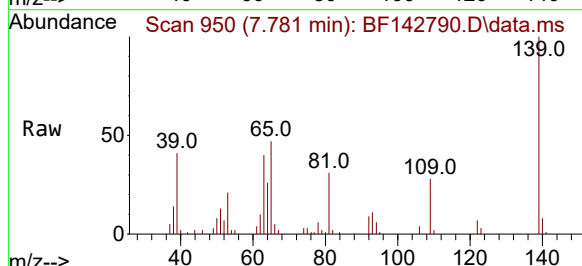
Tgt Ion:139 Resp: 25734

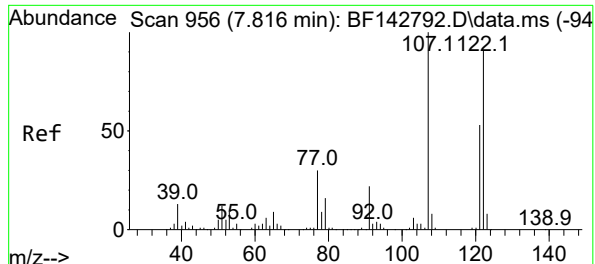
Ion Ratio Lower Upper

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

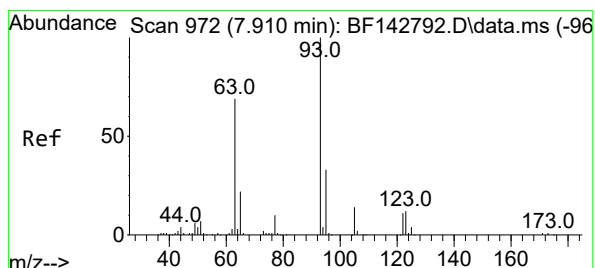
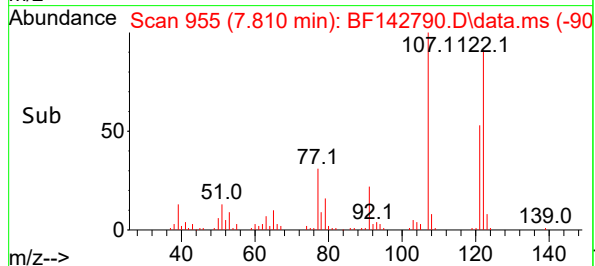
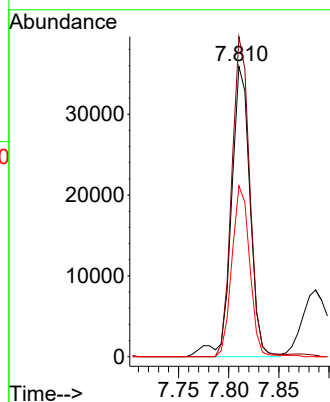
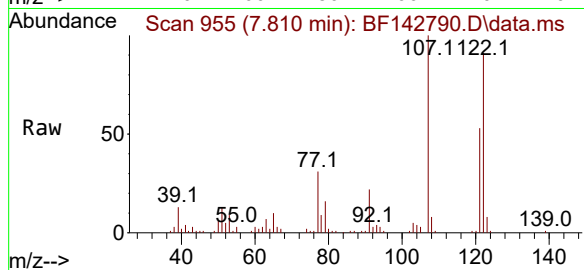
Tgt Ion:122 Resp: 46454

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

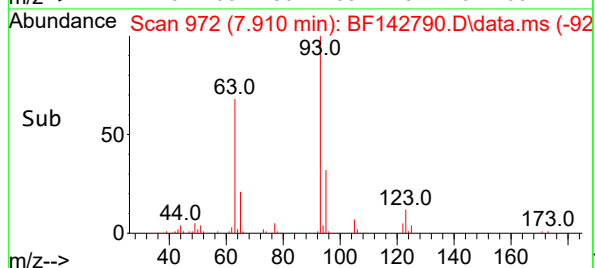
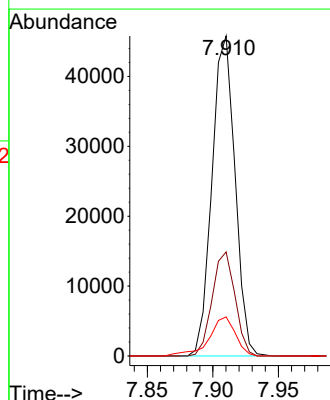
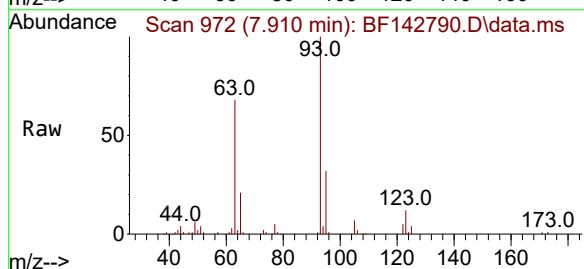
Tgt Ion: 93 Resp: 55907

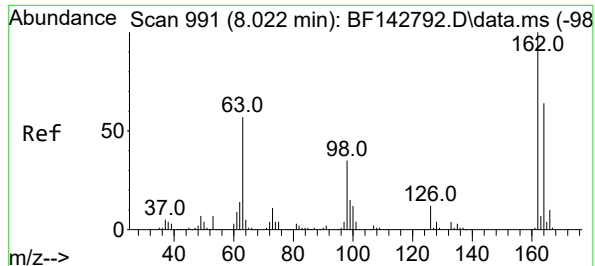
Ion Ratio Lower Upper

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

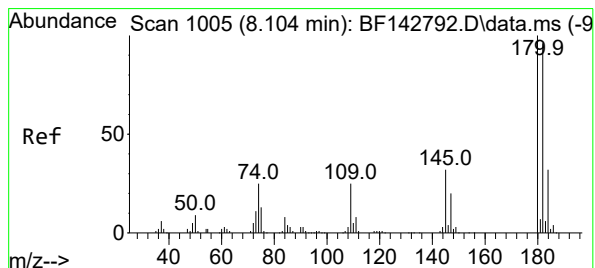
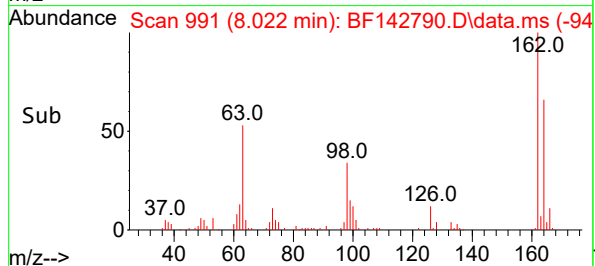
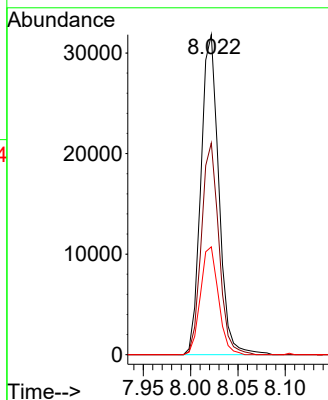
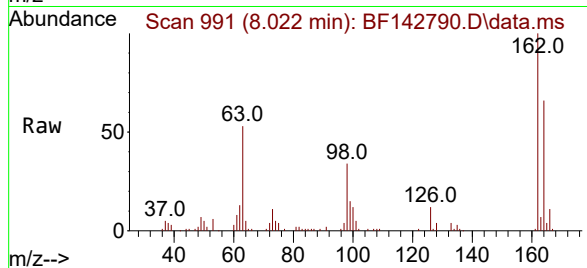
Tgt Ion:162 Resp: 41925

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

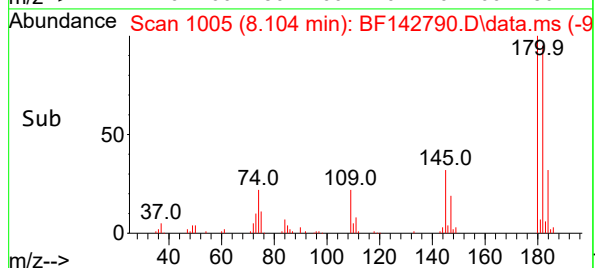
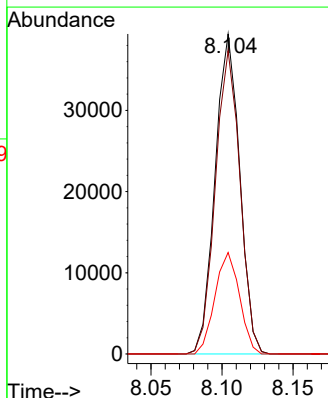
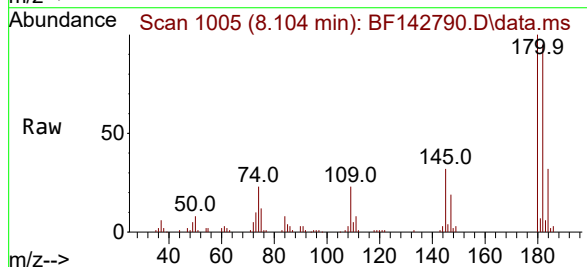
Tgt Ion:180 Resp: 47419

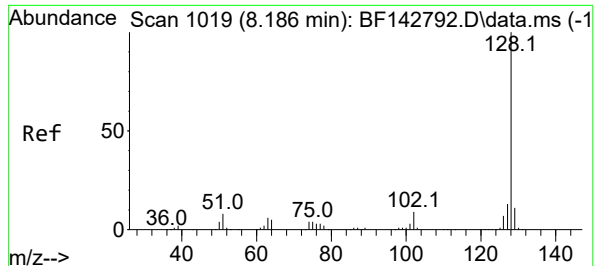
Ion Ratio Lower Upper

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

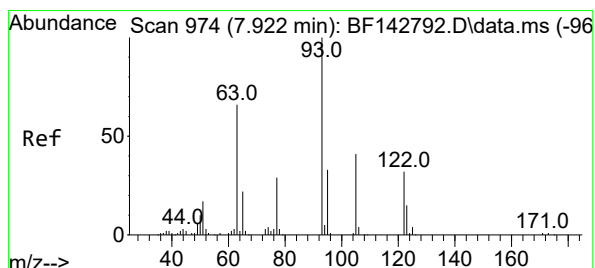
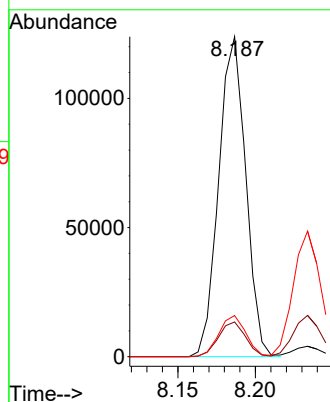
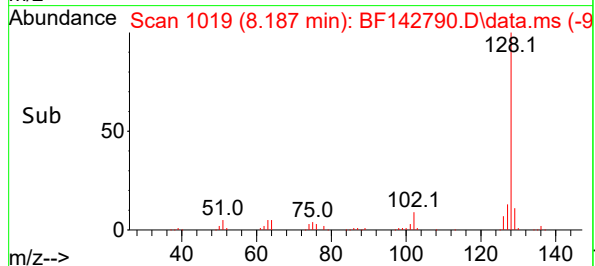
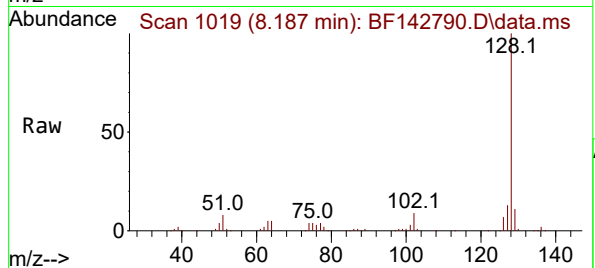
Tgt Ion:128 Resp: 150265

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

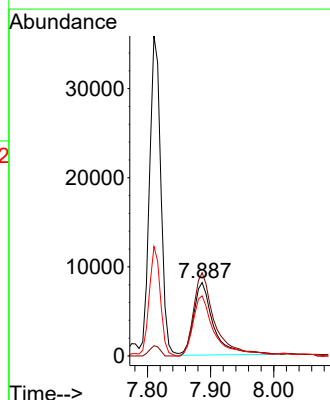
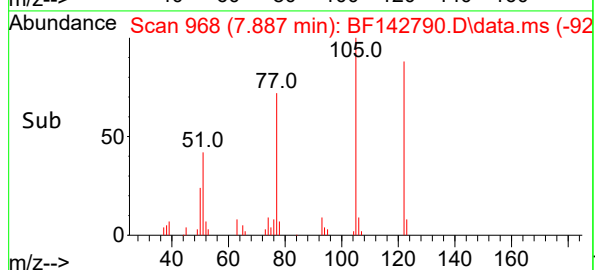
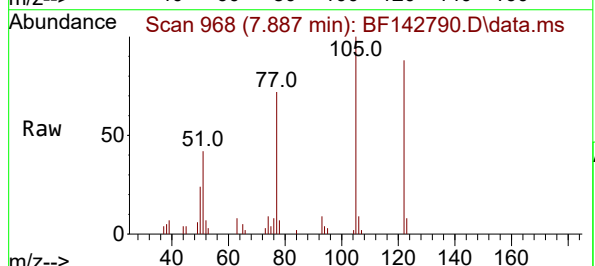
Tgt Ion:122 Resp: 17708

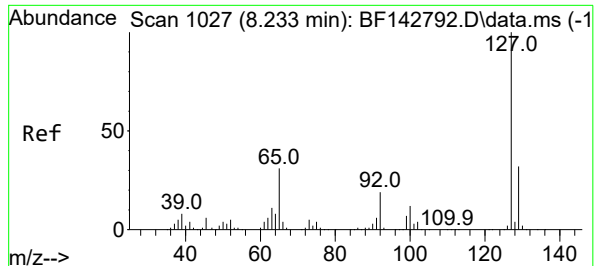
Ion Ratio Lower Upper

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

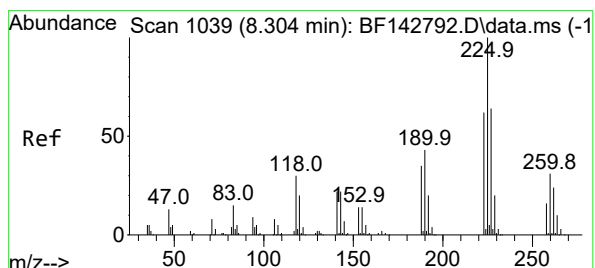
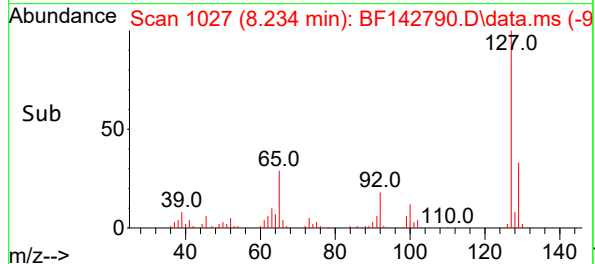
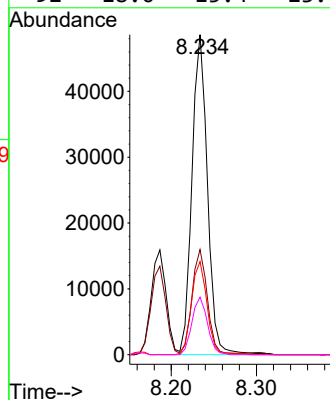
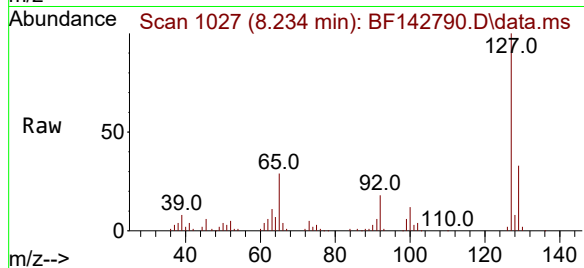
Ion Ratio Lower Upper

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

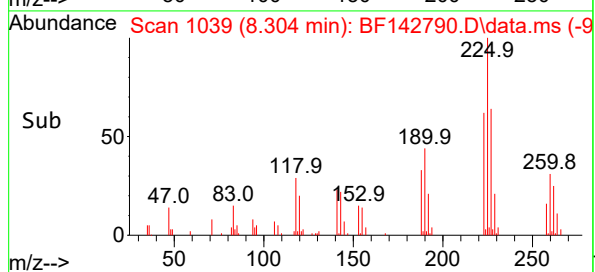
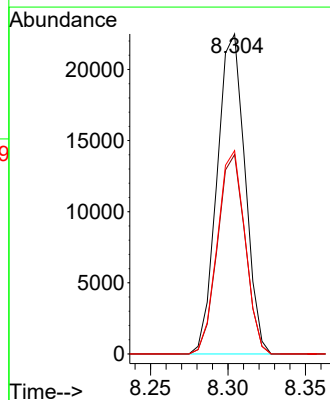
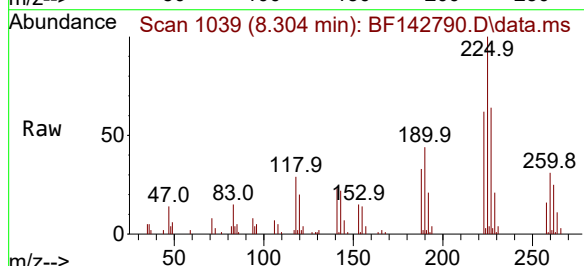
Tgt Ion:225 Resp: 28192

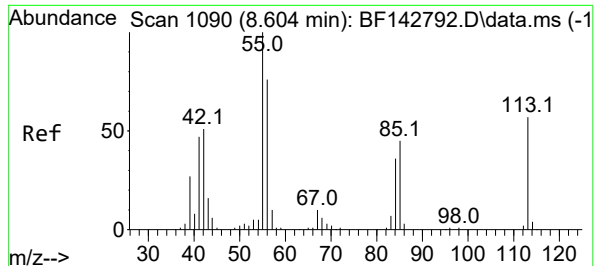
Ion Ratio Lower Upper

225 100

223 62.3 49.9 74.9

227 63.5 51.4 77.0

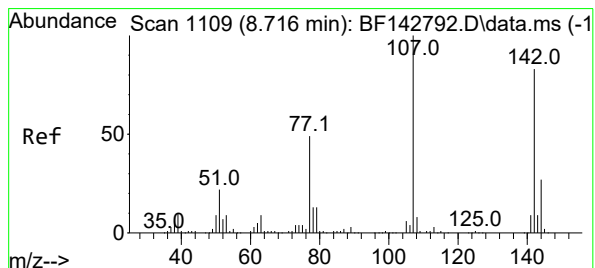
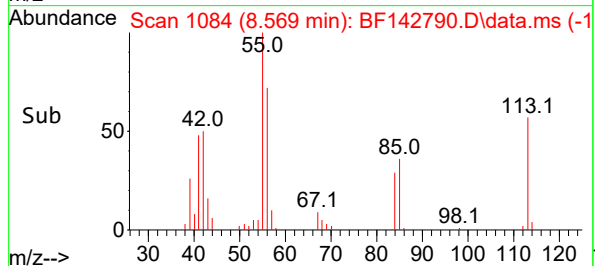
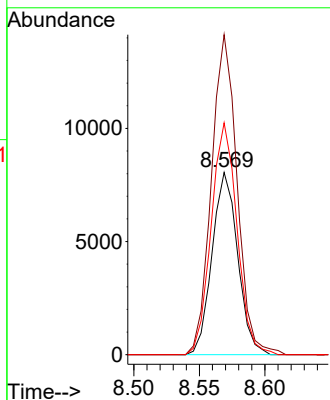
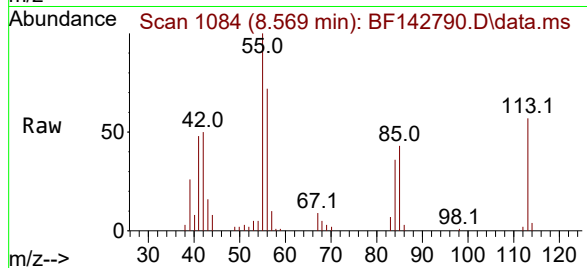




#35
Caprolactam
Concen: 9.557 ng
RT: 8.569 min Scan# 1093
Delta R.T. -0.035 min
Lab File: BF142790.D
Acq: 19 Jun 2025 18:08

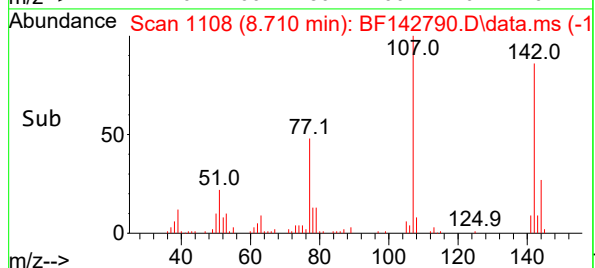
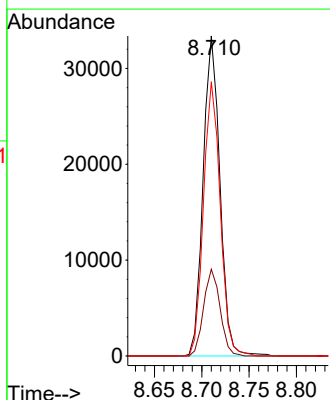
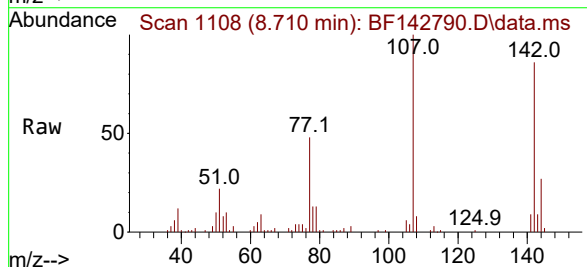
Instrument :
BNA_F
ClientSampleId :
SSTDICC010

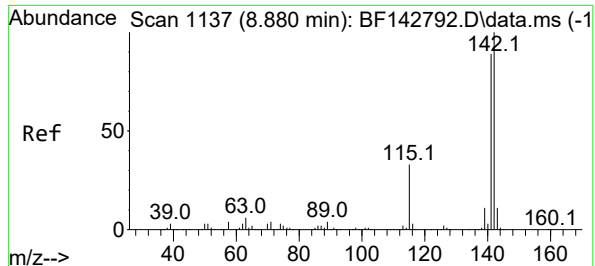
Tgt Ion:113 Resp: 10933
Ion Ratio Lower Upper
113 100
55 175.6 154.4 194.4
56 127.2 112.1 152.1



#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

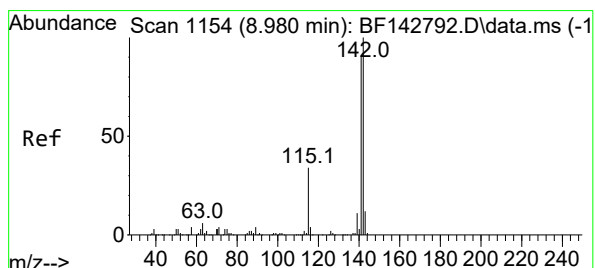
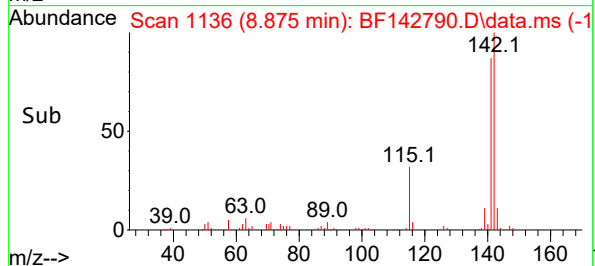
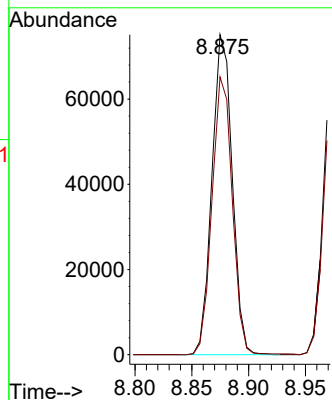
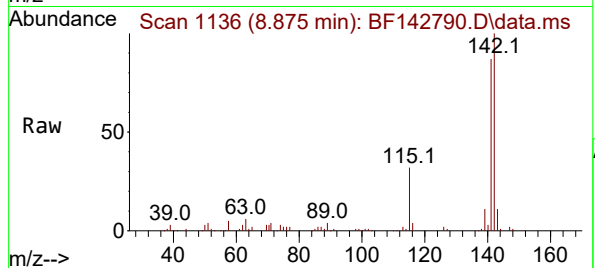




#37
2-Methylnaphthalene
Concen: 10.003 ng
RT: 8.875 min Scan# 1136
Delta R.T. -0.006 min
Lab File: BF142790.D
Acq: 19 Jun 2025 18:08

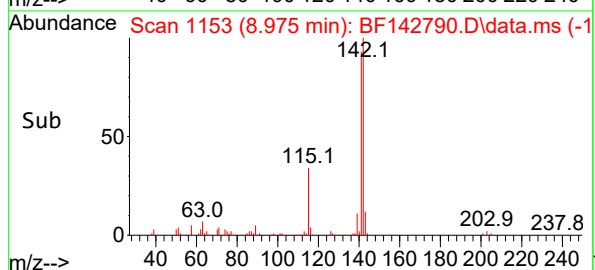
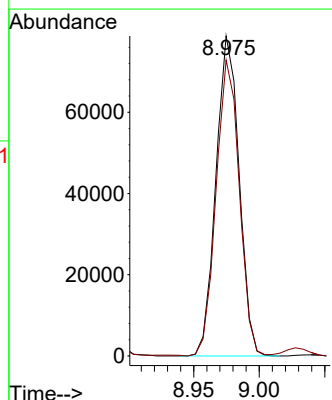
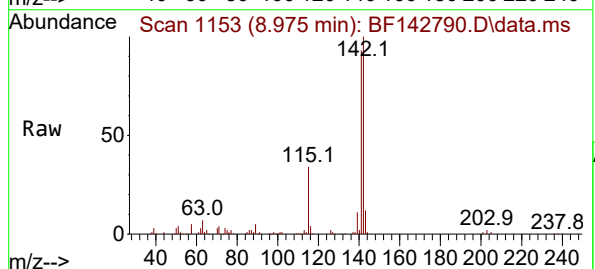
Instrument :
BNA_F
ClientSampleId :
SSTDICC010

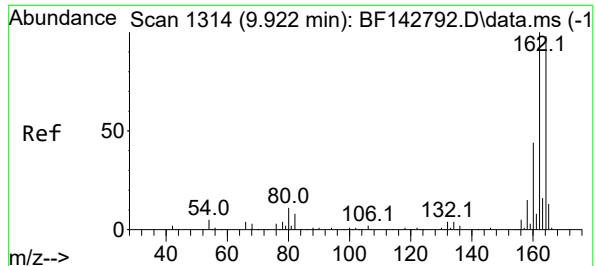
Tgt Ion:142 Resp: 93078
Ion Ratio Lower Upper
142 100
141 86.8 70.9 106.3



#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

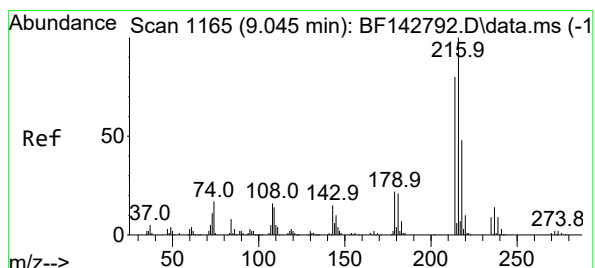
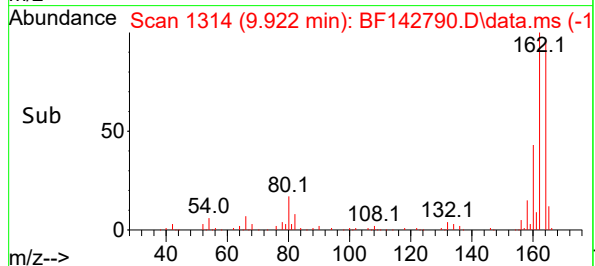
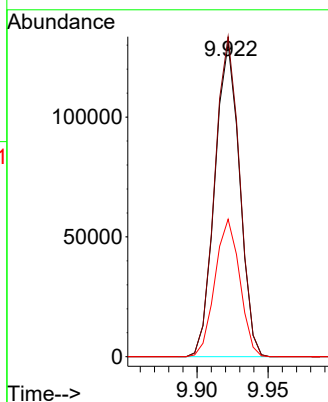
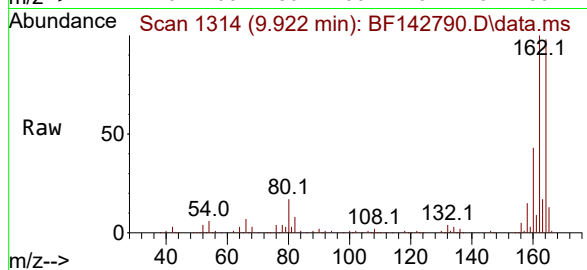
Tgt Ion:164 Resp: 158336

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

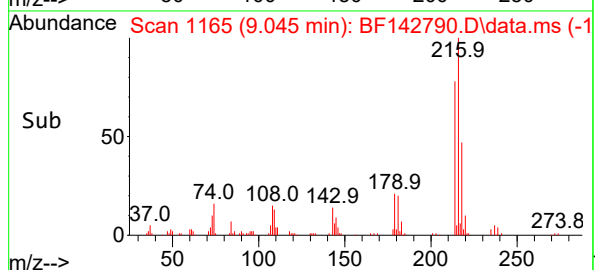
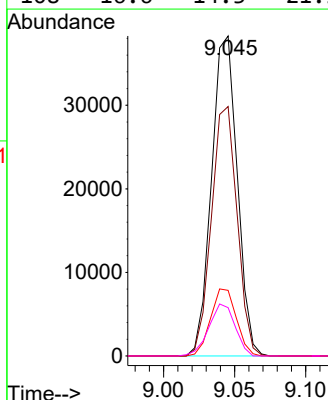
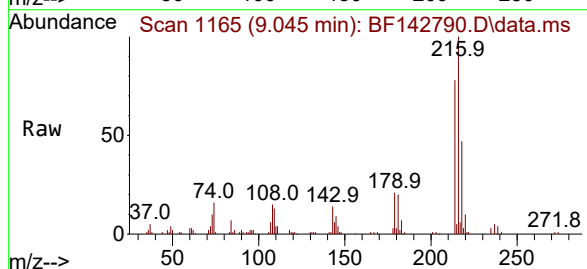
Ion Ratio Lower Upper

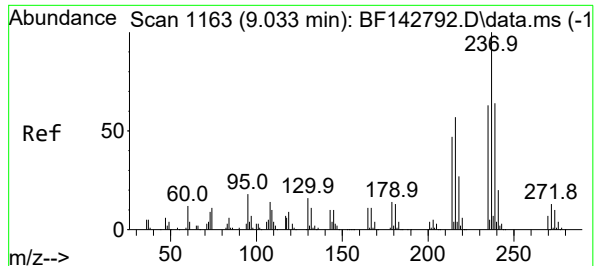
216 100

214 77.9 63.7 95.5

179 21.0 17.6 26.4

108 16.6 14.3 21.5

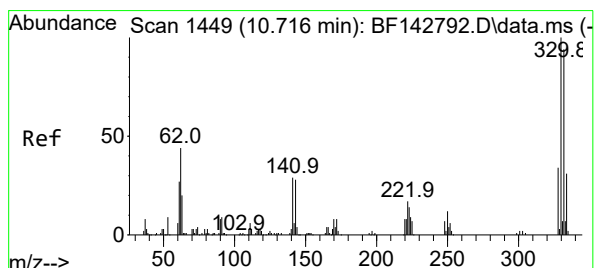
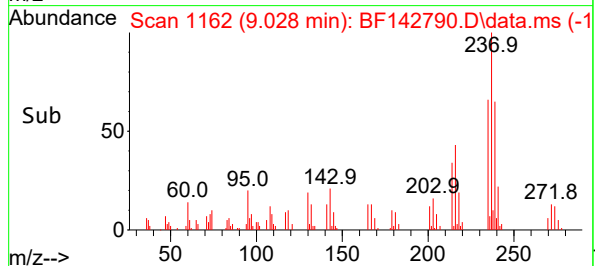
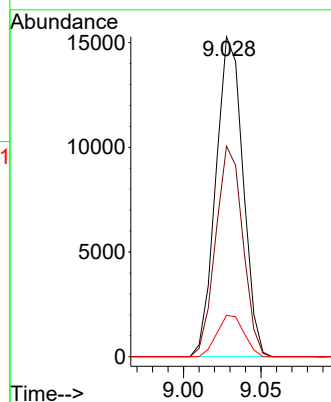
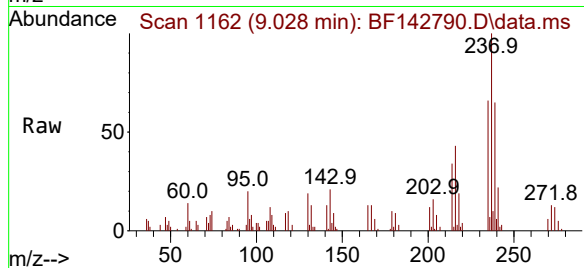




#41
Hexachlorocyclopentadiene
Concen: 6.436 ng
RT: 9.028 min Scan# 1163
Delta R.T. -0.006 min
Lab File: BF142790.D
Acq: 19 Jun 2025 18:08

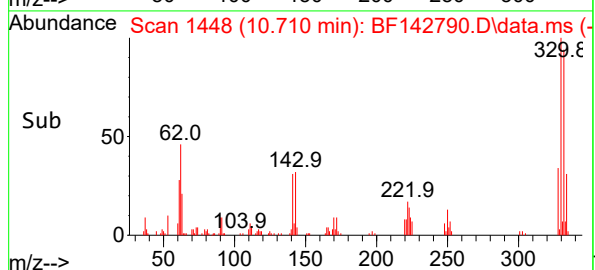
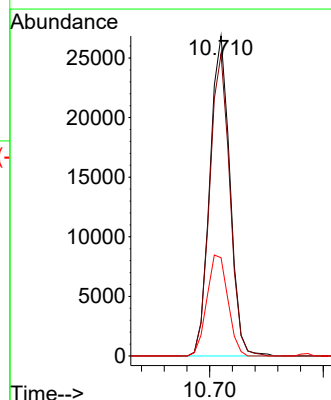
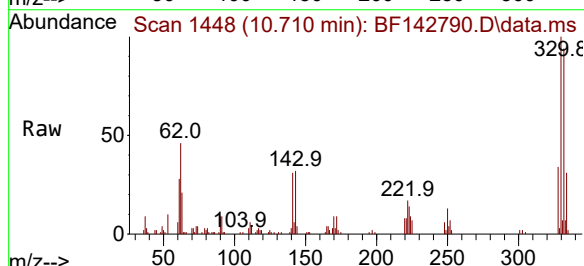
Instrument :
BNA_F
ClientSampleId :
SSTDIC010

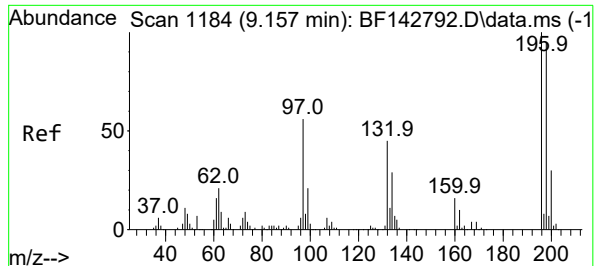
Tgt Ion:237 Resp: 18602
Ion Ratio Lower Upper
237 100
235 65.8 43.4 83.4
272 12.9 0.0 32.7



#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

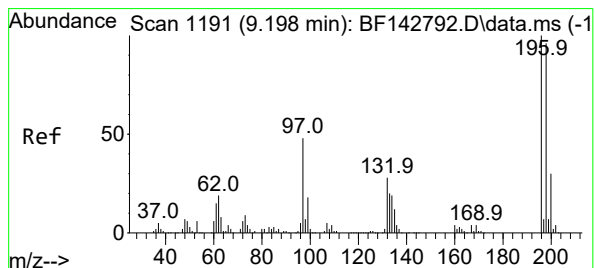
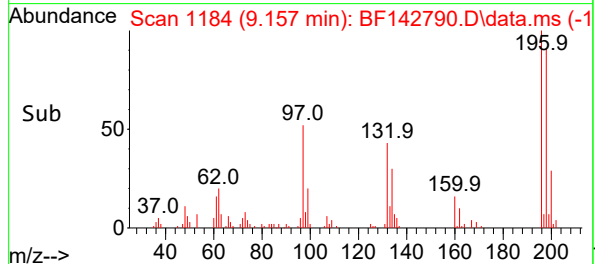
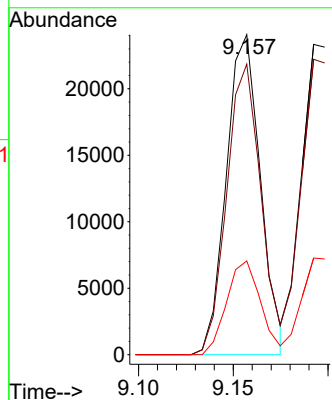
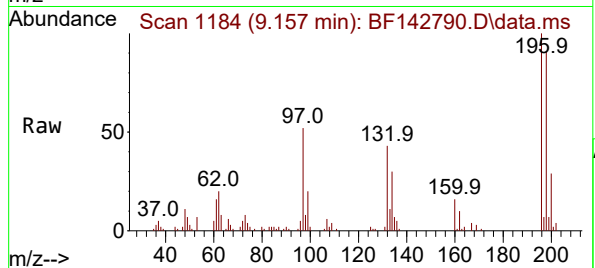
Tgt Ion:196 Resp: 30118

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

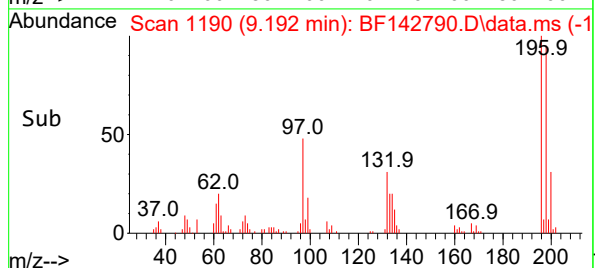
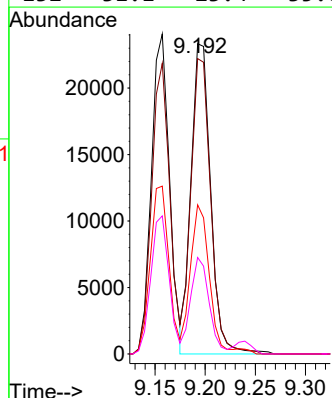
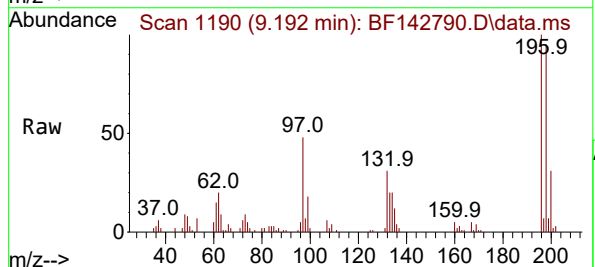
Ion Ratio Lower Upper

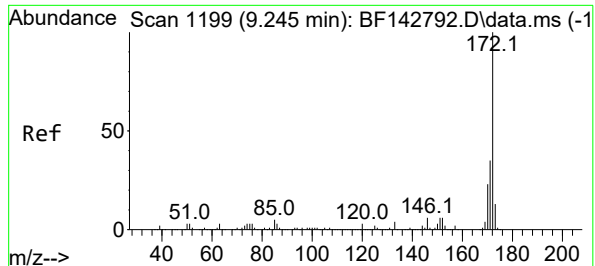
196 100

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

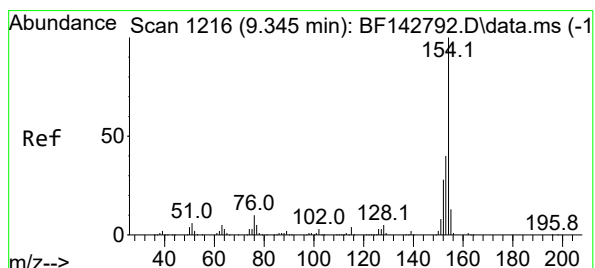
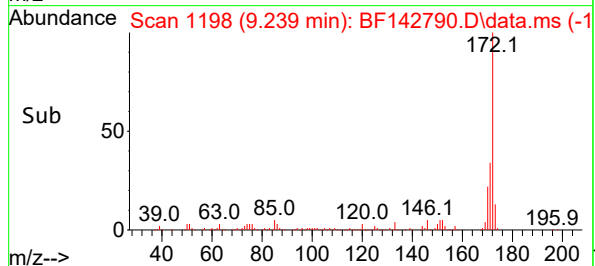
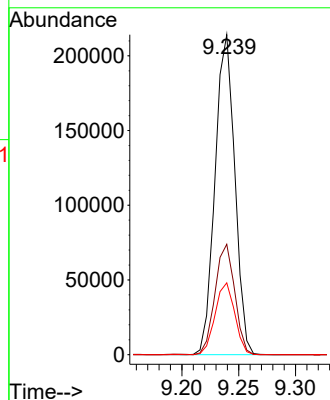
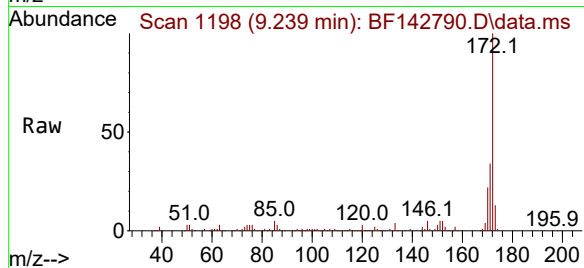
Tgt Ion:172 Resp: 259052

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

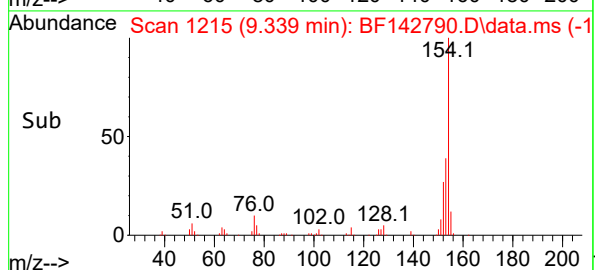
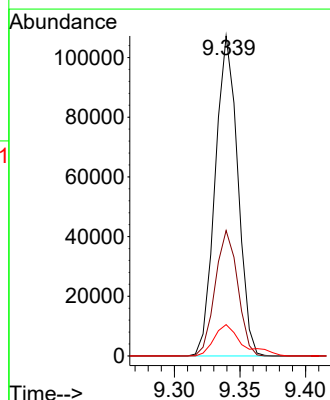
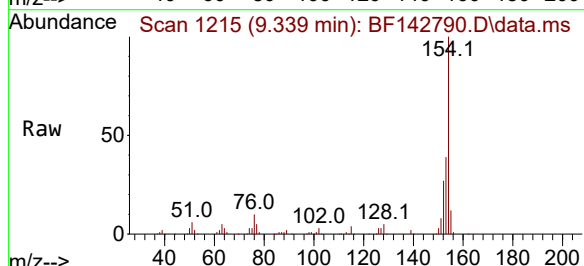
Tgt Ion:154 Resp: 127911

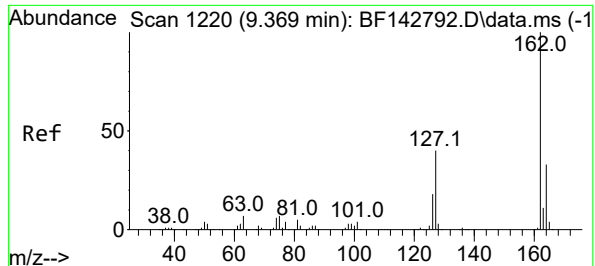
Ion Ratio Lower Upper

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# 1219

Delta R.T. -0.006 min

Lab File: BF142790.D

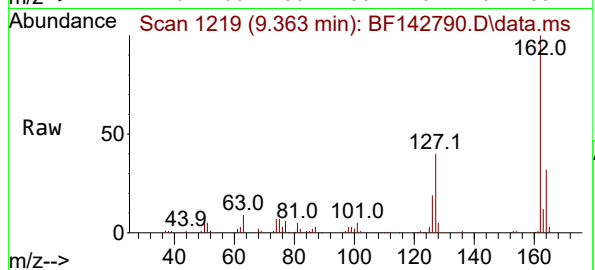
Acq: 19 Jun 2025 18:08

Instrument :

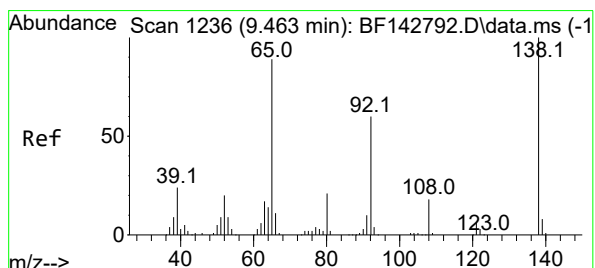
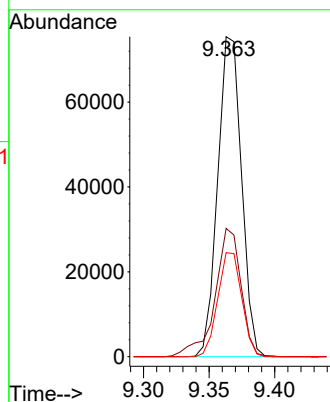
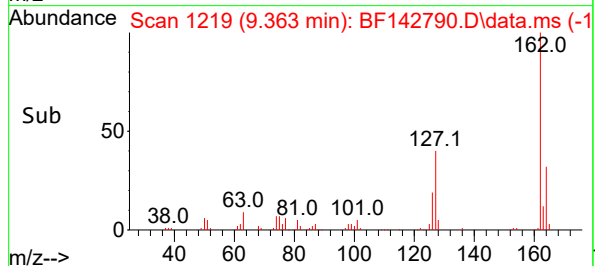
BNA_F

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

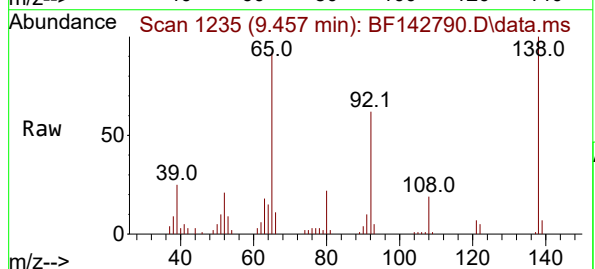
Concen: 10.117 ng

RT: 9.457 min Scan# 1235

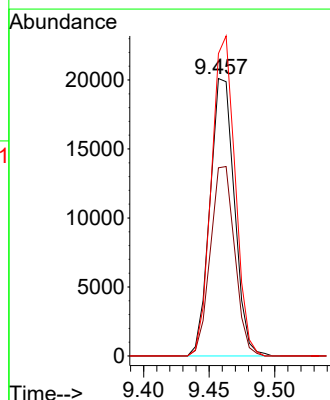
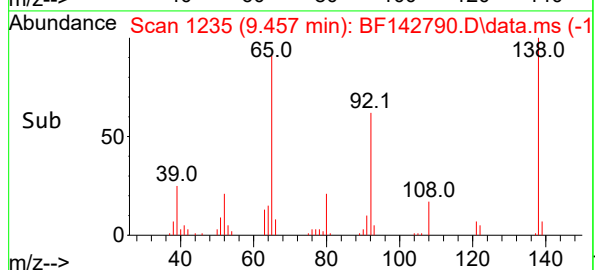
Delta R.T. -0.006 min

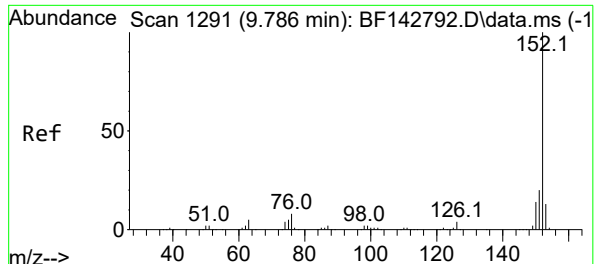
Lab File: BF142790.D

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

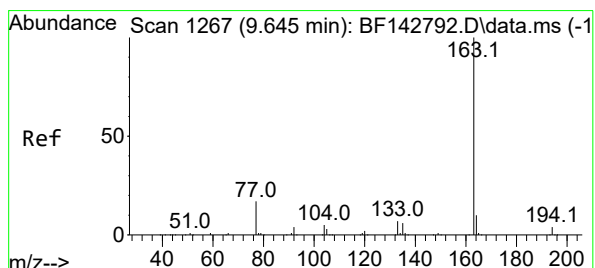
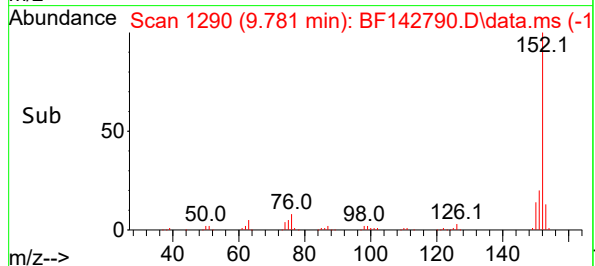
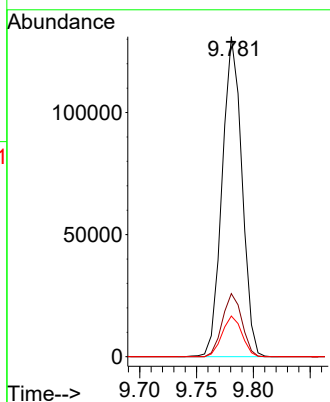
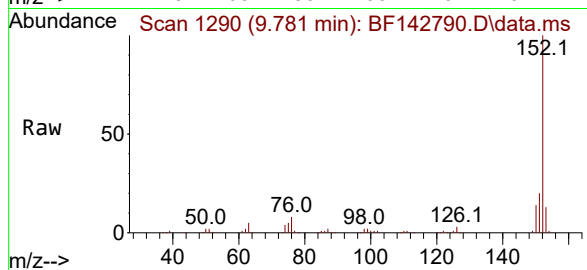
Tgt Ion:152 Resp: 158842

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

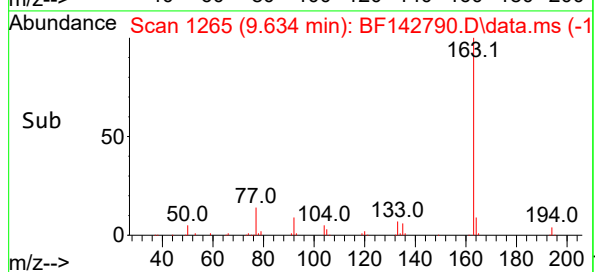
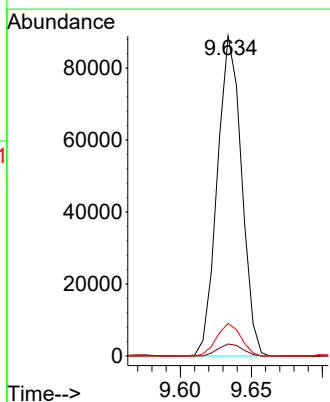
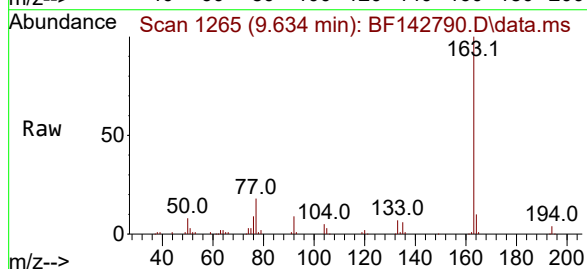
Tgt Ion:163 Resp: 105636

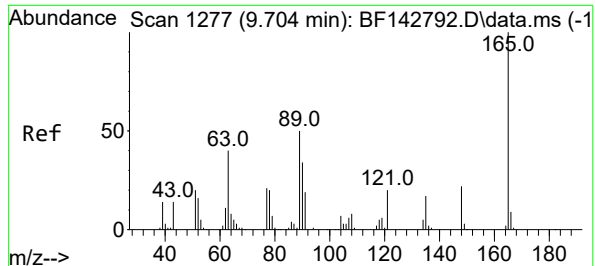
Ion Ratio Lower Upper

163 100

194 3.8 3.3 4.9

164 10.1 8.0 12.0

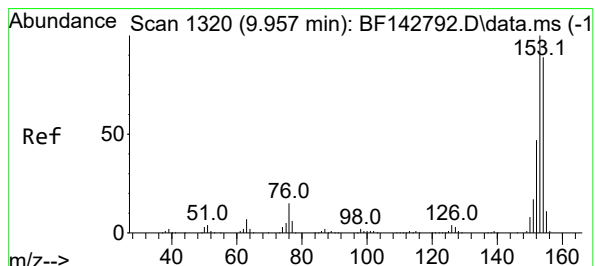
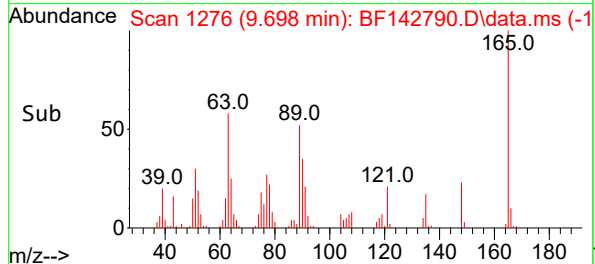
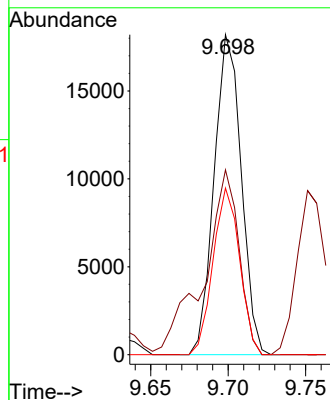
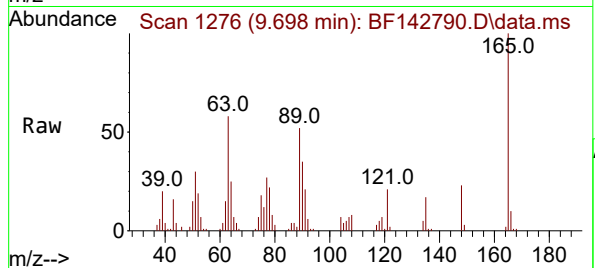




#51
2,6-Dinitrotoluene
Concen: 9.714 ng
RT: 9.698 min Scan# 1319
Delta R.T. -0.006 min
Lab File: BF142790.D
Acq: 19 Jun 2025 18:08

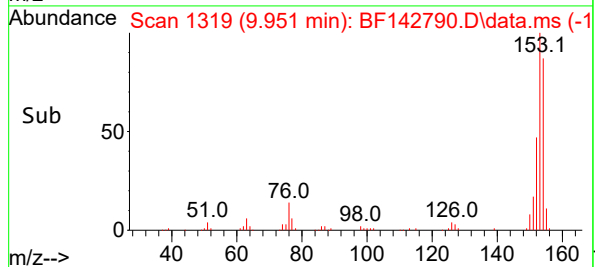
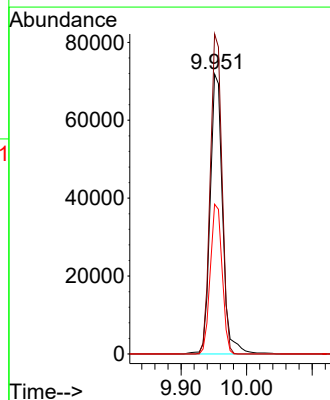
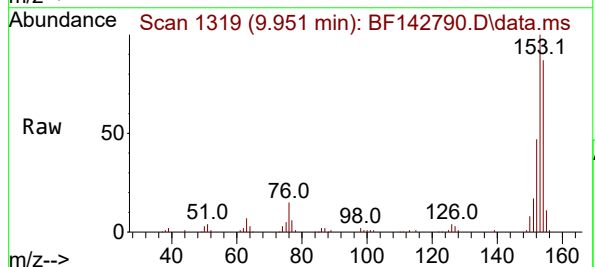
Instrument :
BNA_F
ClientSampleId :
SSTDIC010

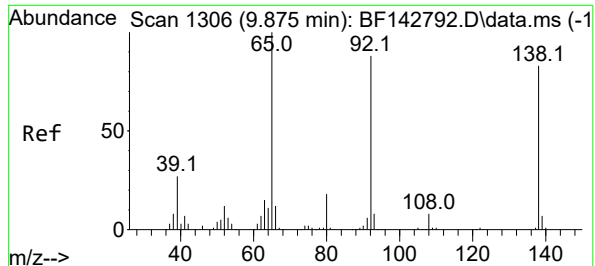
Tgt Ion:165 Resp: 22116
Ion Ratio Lower Upper
165 100
63 57.7 44.2 66.4
89 52.1 39.8 59.8



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

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

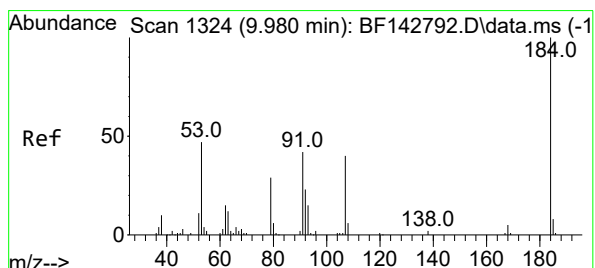
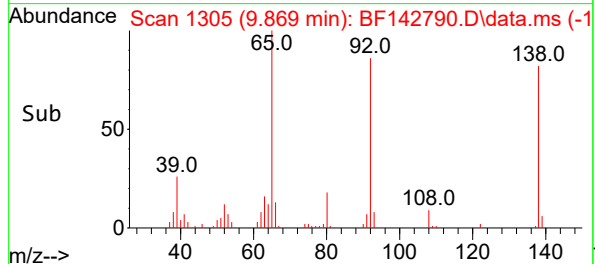
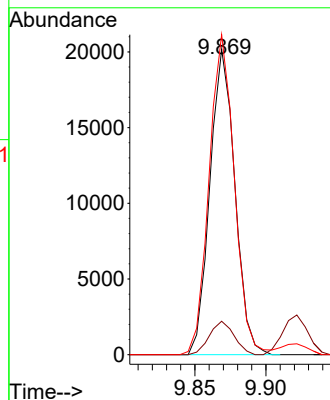
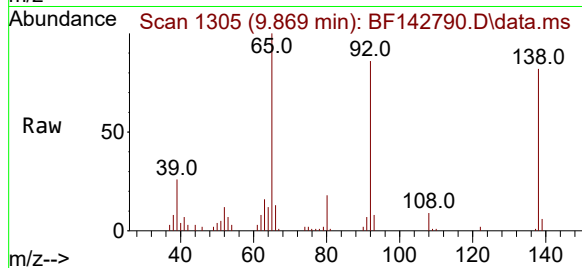




#53
3-Nitroaniline
Concen: 9.968 ng
RT: 9.869 min Scan# 11
Delta R.T. -0.006 min
Lab File: BF142790.D
Acq: 19 Jun 2025 18:08

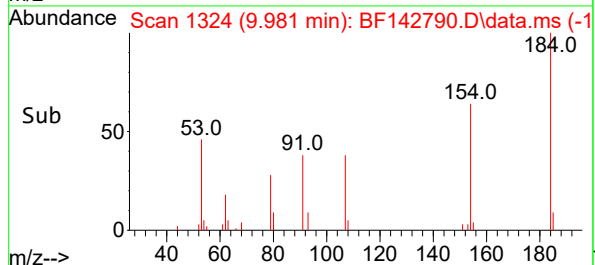
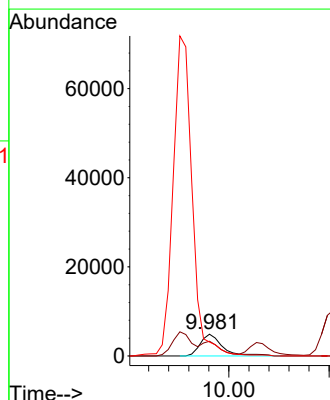
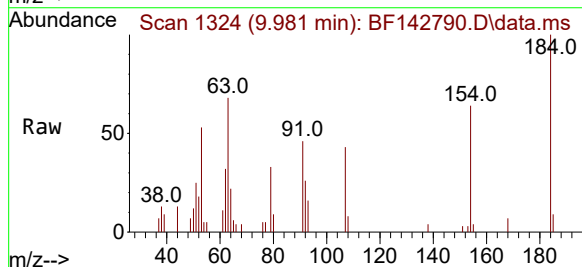
Instrument :
BNA_F
ClientSampleId :
SSTDICC010

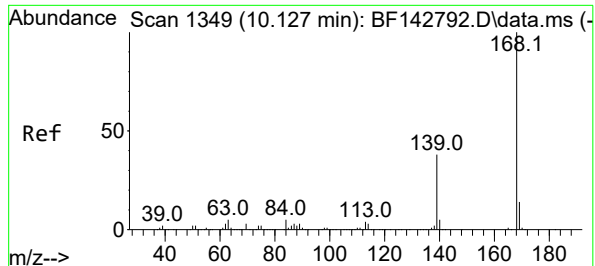
Tgt Ion	Ratio	Lower	Upper
138	100		
108	10.9	8.1	12.1
92	104.8	85.1	127.7



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

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





#55

Dibenzofuran

Concen: 10.416 ng

RT: 10.128 min Scan# 11

Delta R.T. 0.000 min

Lab File: BF142790.D

Acq: 19 Jun 2025 18:08

Instrument :

BNA_F

ClientSampleId :

SSTDICC010

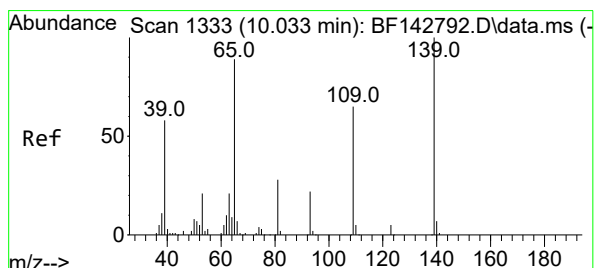
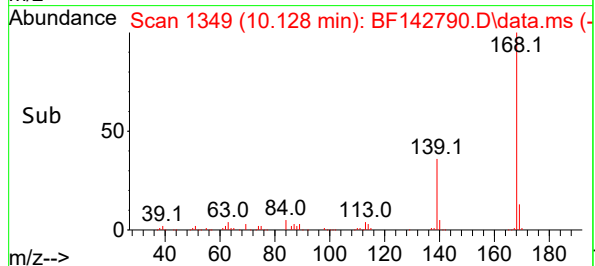
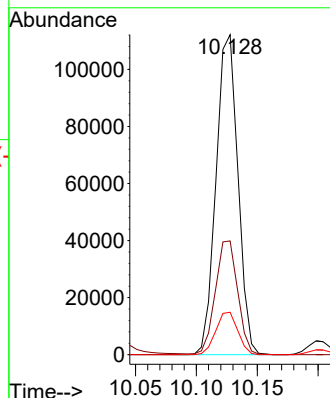
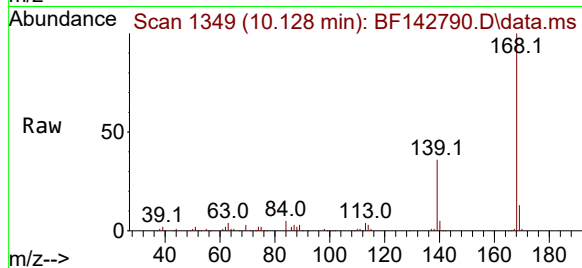
Tgt Ion:168 Resp: 140256

Ion Ratio Lower Upper

168 100

139 35.6 30.2 45.4

169 13.3 10.8 16.2



#56

4-Nitrophenol

Concen: 8.927 ng

RT: 10.028 min Scan# 1332

Delta R.T. -0.006 min

Lab File: BF142790.D

Acq: 19 Jun 2025 18:08

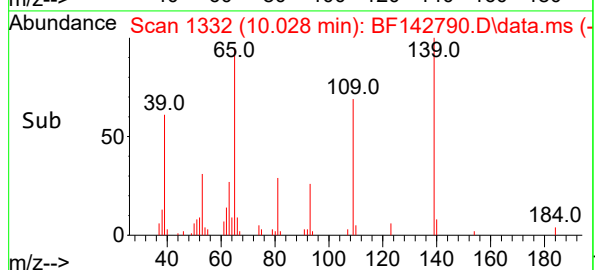
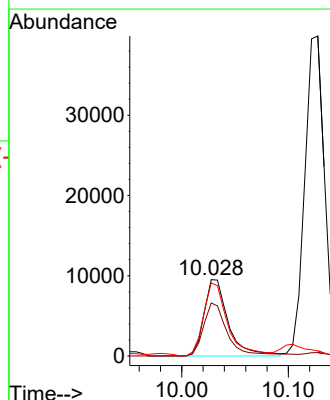
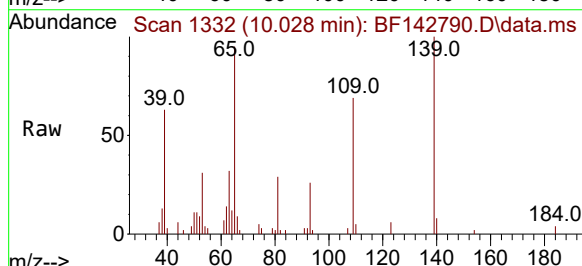
Tgt Ion:139 Resp: 14986

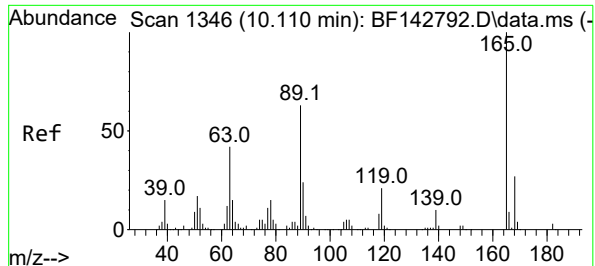
Ion Ratio Lower Upper

139 100

109 69.3 44.7 84.7

65 95.5 69.8 109.8

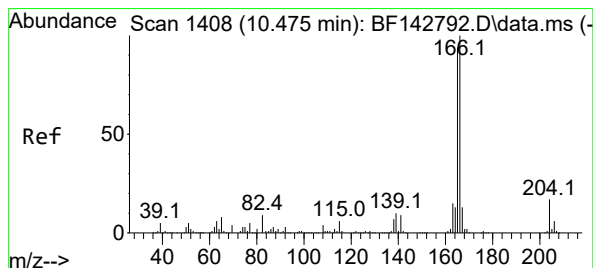
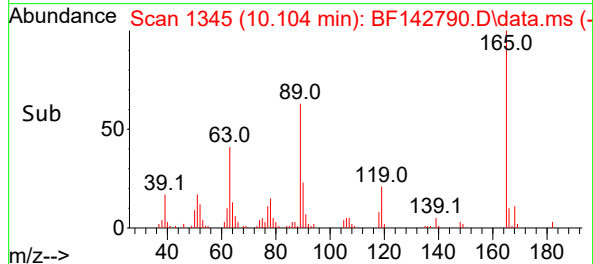
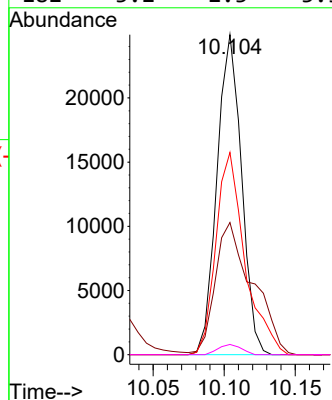
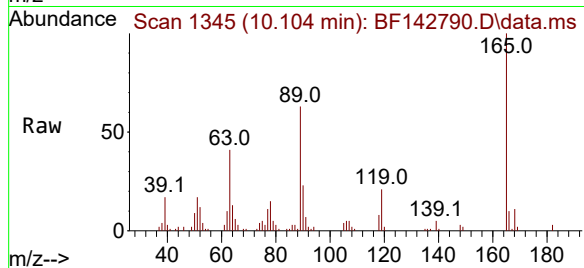




#57
2,4-Dinitrotoluene
Concen: 9.943 ng
RT: 10.104 min Scan# 11
Delta R.T. -0.006 min
Lab File: BF142790.D
Acq: 19 Jun 2025 18:08

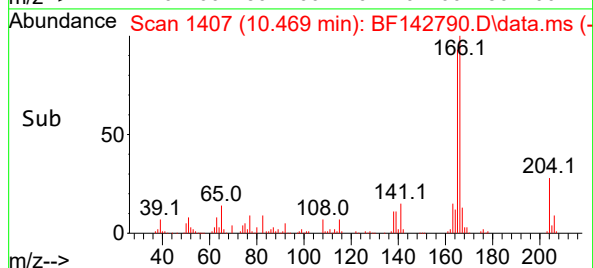
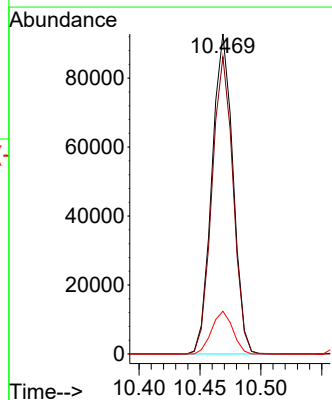
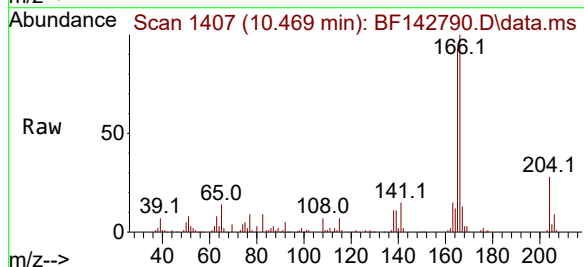
Instrument :
BNA_F
ClientSampleId :
SSTDICC010

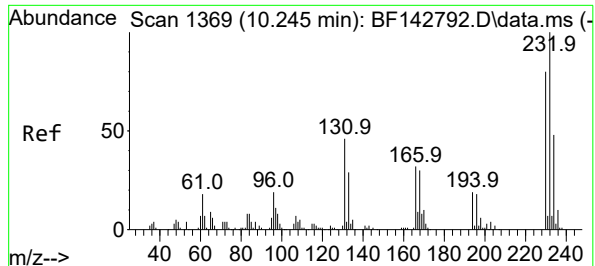
Tgt Ion:165	Resp:	29934
Ion	Ratio	Lower Upper
165	100	
63	41.3	33.9 50.9
89	63.2	50.6 75.8
182	3.2	2.3 3.5



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

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





#59

2,3,4,6-Tetrachlorophenol

Concen: 9.666 ng

RT: 10.245 min Scan# 1369

Delta R.T. 0.000 min

Lab File: BF142790.D

Acq: 19 Jun 2025 18:08

Instrument :

BNA_F

ClientSampleId :

SSTDIC010

Tgt Ion:232 Resp: 25885

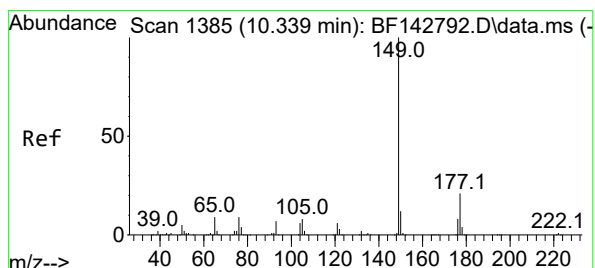
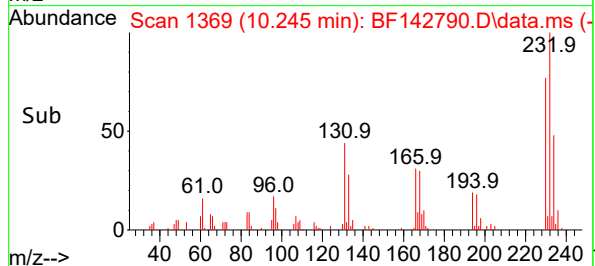
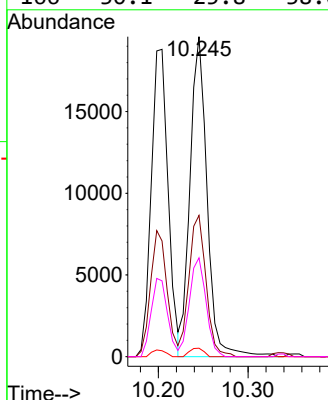
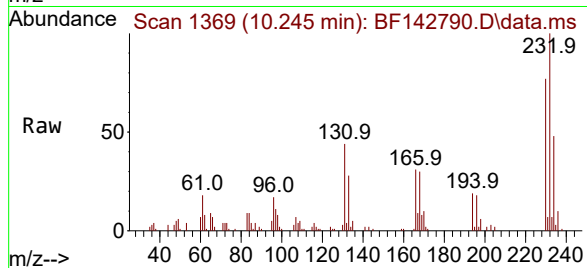
Ion Ratio Lower Upper

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

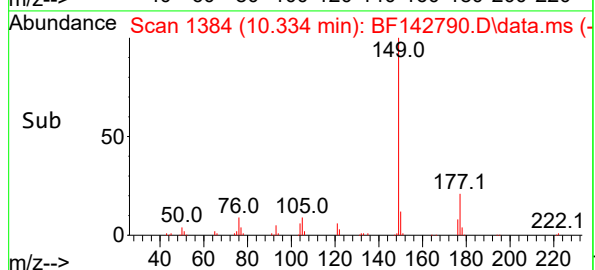
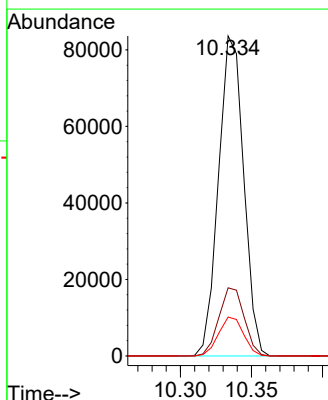
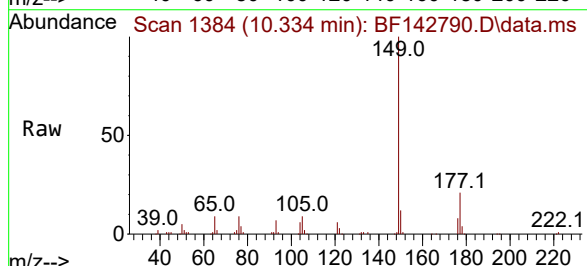
Tgt Ion:149 Resp: 103048

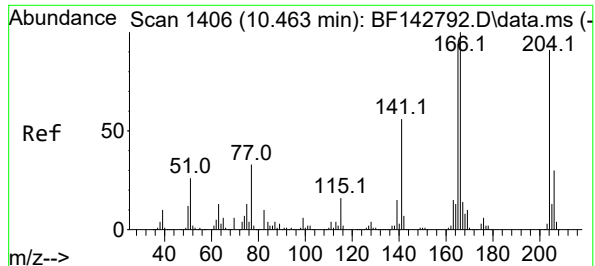
Ion Ratio Lower Upper

149 100

177 21.3 17.0 25.6

150 12.2 9.8 14.6

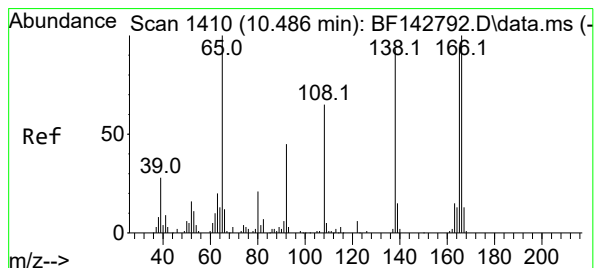
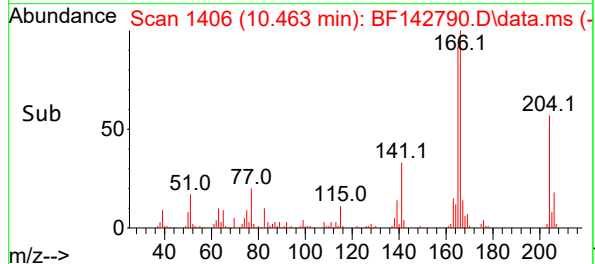
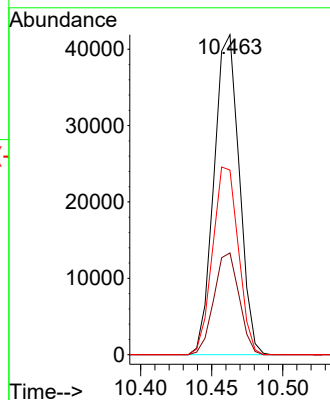
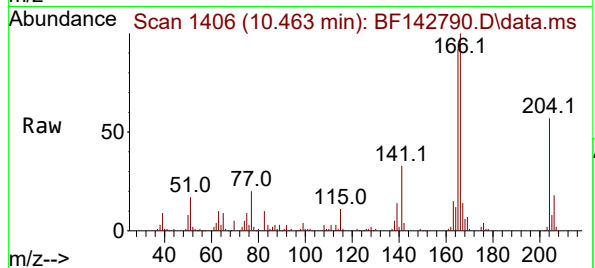




#61
4-Chlorophenyl-phenylether
Concen: 10.067 ng
RT: 10.463 min Scan# 1406
Delta R.T. 0.000 min
Lab File: BF142790.D
Acq: 19 Jun 2025 18:08

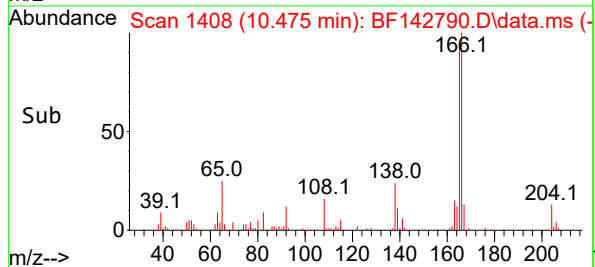
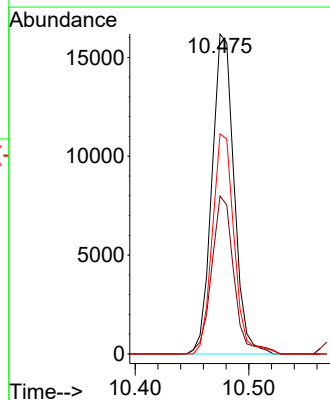
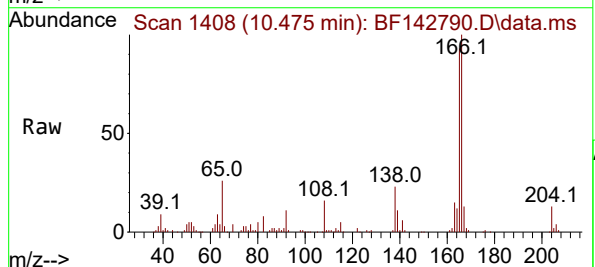
Instrument :
BNA_F
ClientSampleId :
SSTDICC010

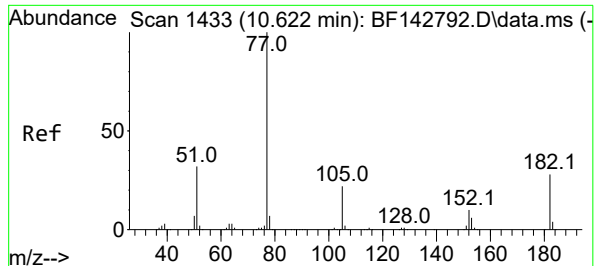
Tgt Ion:204 Resp: 51958
Ion Ratio Lower Upper
204 100
206 31.8 26.3 39.5
141 57.7 49.1 73.7



#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

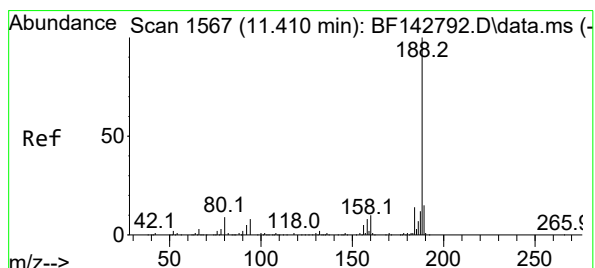
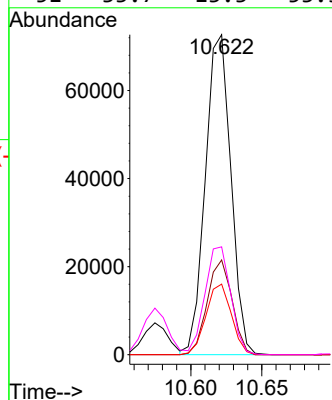
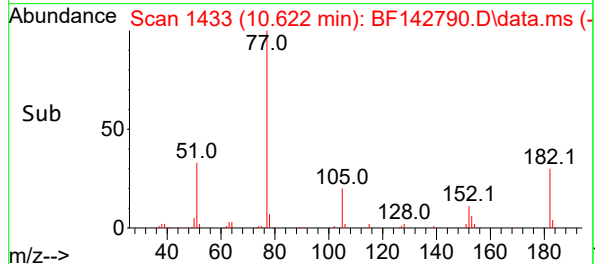
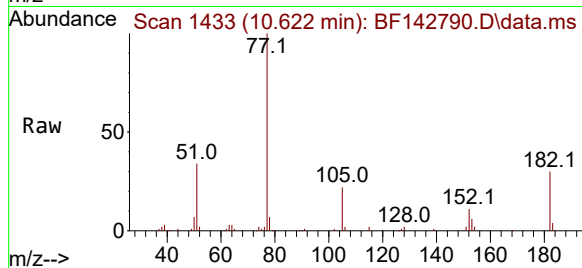




#63
Azobenzene
Concen: 9.977 ng
RT: 10.622 min Scan# 1433
Delta R.T. 0.000 min
Lab File: BF142790.D
Acq: 19 Jun 2025 18:08

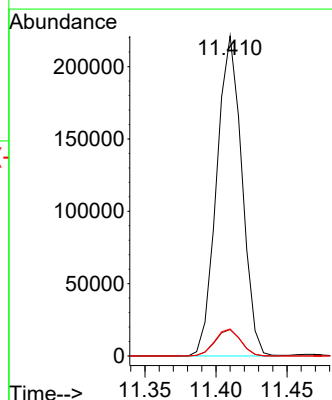
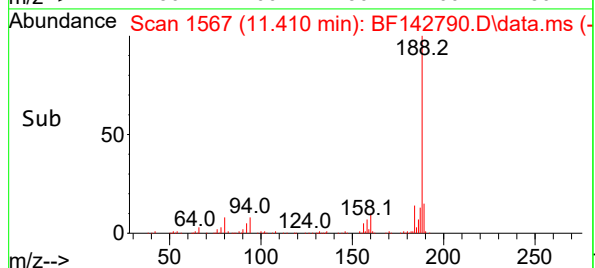
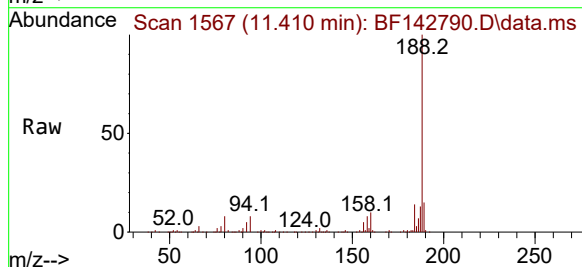
Instrument :
BNA_F
ClientSampleId :
SSTDICC010

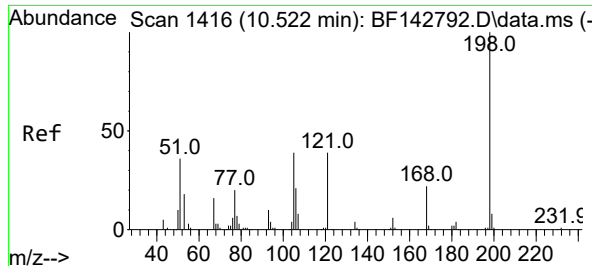
Tgt Ion:	77	Resp:	90965
Ion	Ratio	Lower	Upper
77	100		
182	29.6	7.7	47.7
105	22.0	1.9	41.9
51	33.7	13.3	53.3



#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

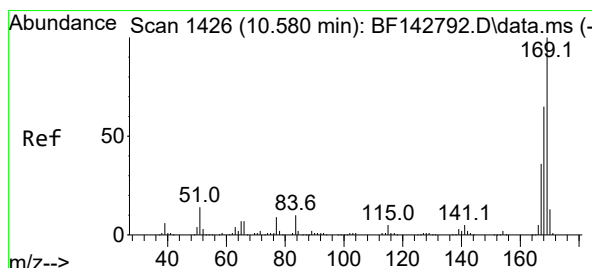
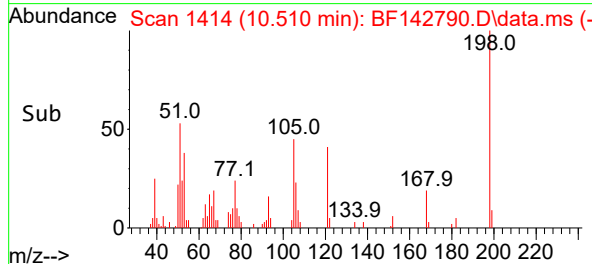
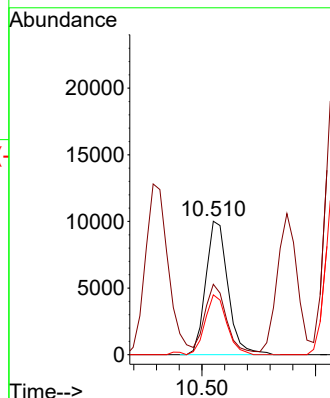
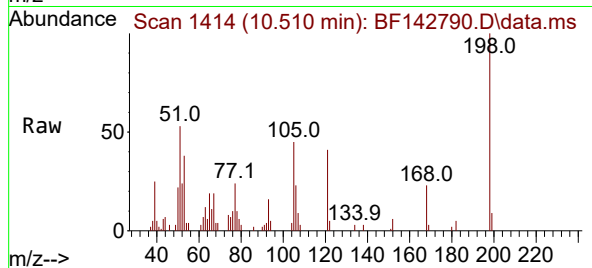




#65
4,6-Dinitro-2-methylphenol
Concen: 7.982 ng
RT: 10.510 min Scan# 1416
Delta R.T. -0.012 min
Lab File: BF142790.D
Acq: 19 Jun 2025 18:08

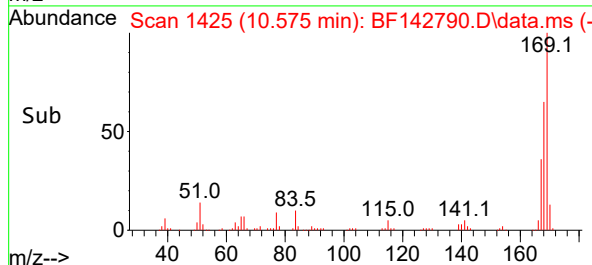
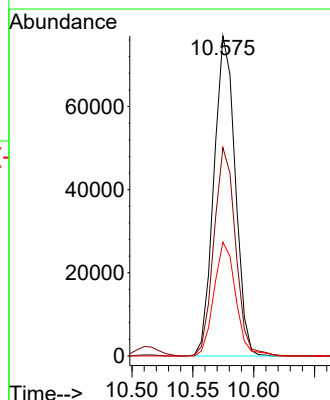
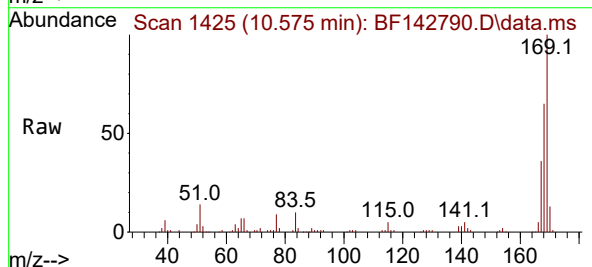
Instrument :
BNA_F
ClientSampleId :
SSTDICC010

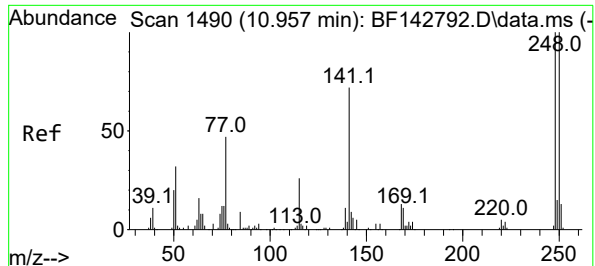
Tgt Ion	198	Resp	13545
Ion Ratio	Lower	Upper	
198	100		
51	52.8	25.4	65.4
105	44.8	20.4	60.4



#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

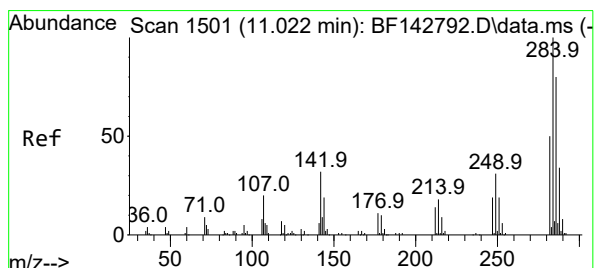
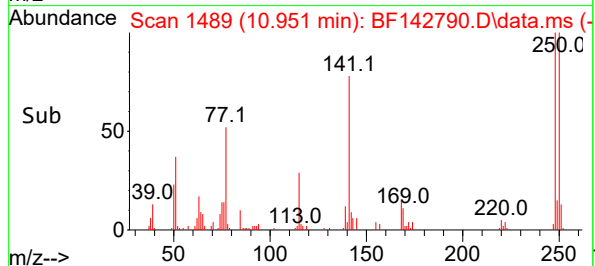
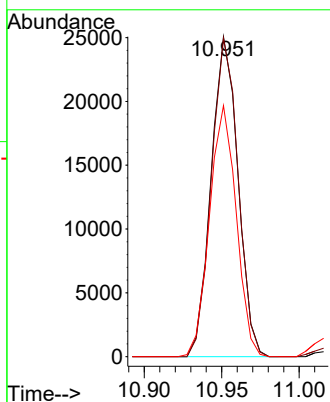
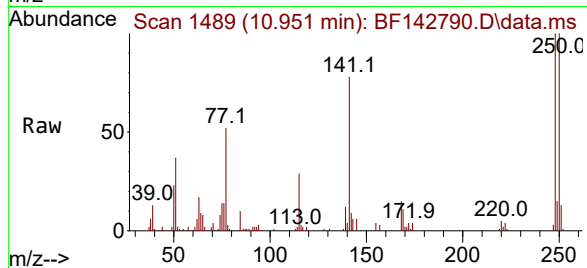




#67
4-Bromophenyl-phenylether
Concen: 9.425 ng
RT: 10.951 min Scan# 1490
Delta R.T. -0.006 min
Lab File: BF142790.D
Acq: 19 Jun 2025 18:08

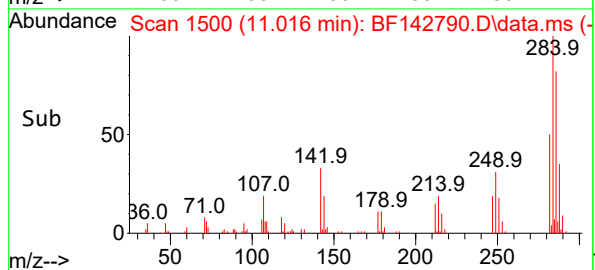
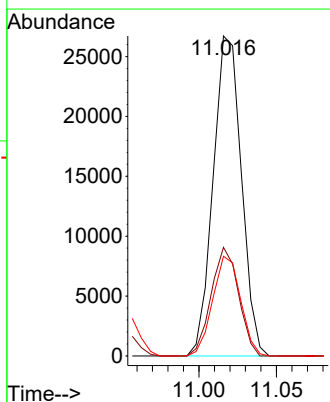
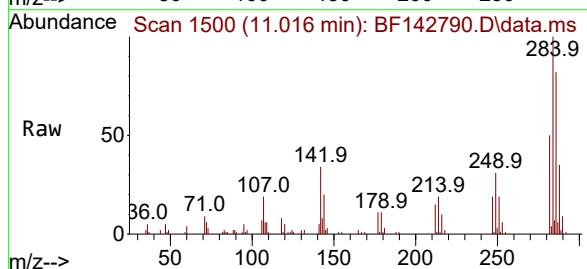
Instrument :
BNA_F
ClientSampleId :
SSTDIC010

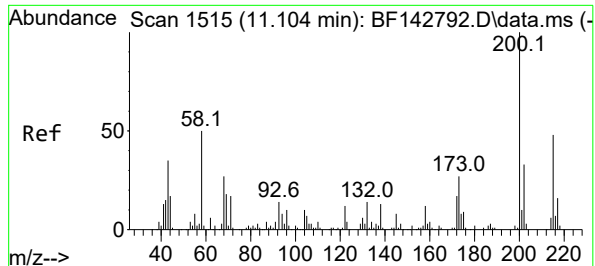
Tgt Ion:	248	Resp:	30145
Ion Ratio	Lower	Upper	
248	100		
250	99.6	79.8	119.8
141	78.4	57.8	86.6



#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

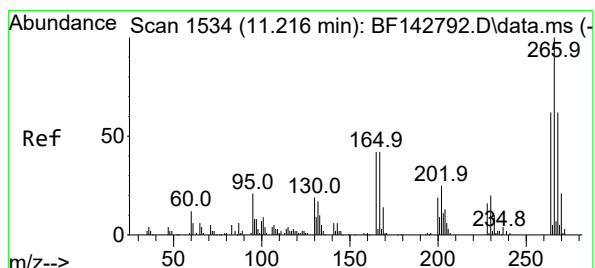
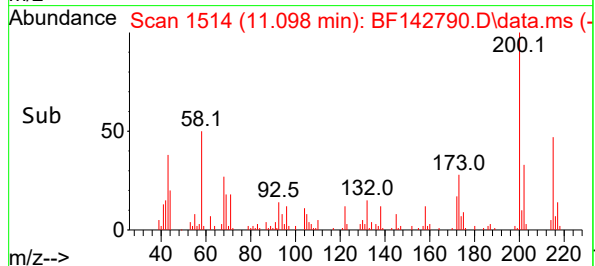
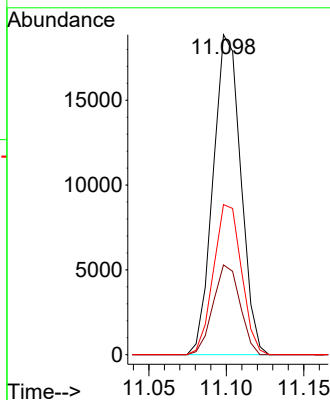
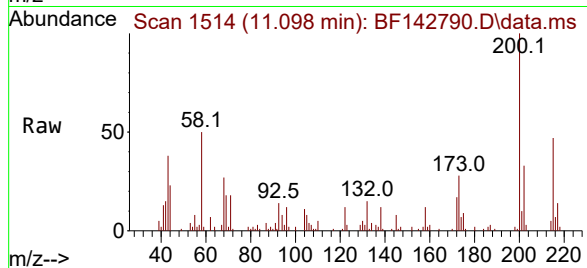




#69
Atrazine
Concen: 9.401 ng
RT: 11.098 min Scan# 1514
Delta R.T. -0.006 min
Lab File: BF142790.D
Acq: 19 Jun 2025 18:08

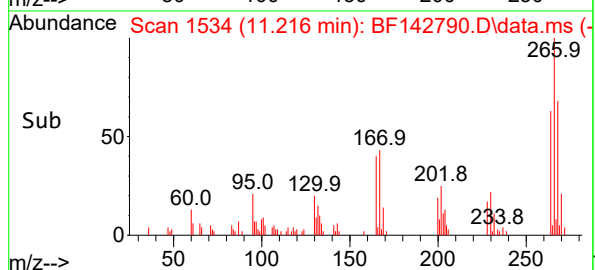
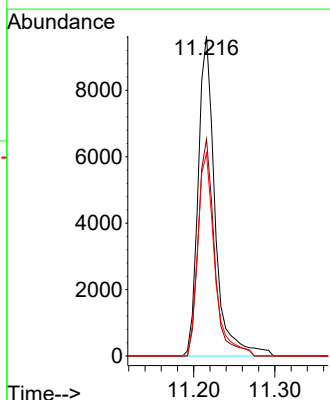
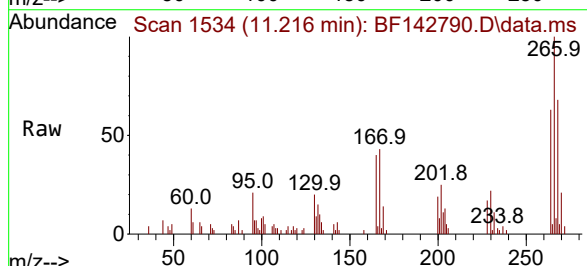
Instrument :
BNA_F
ClientSampleId :
SSTDIC010

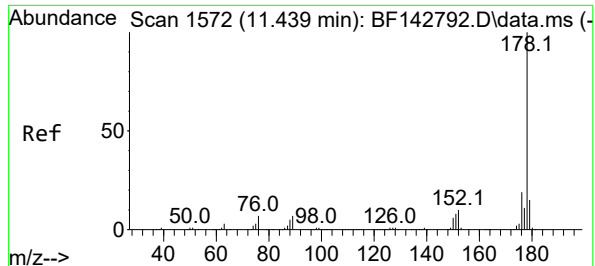
Tgt Ion	200	Resp	23423
Ion Ratio	Lower	Upper	
200	100		
173	28.1	7.4	47.4
215	46.9	28.4	68.4



#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

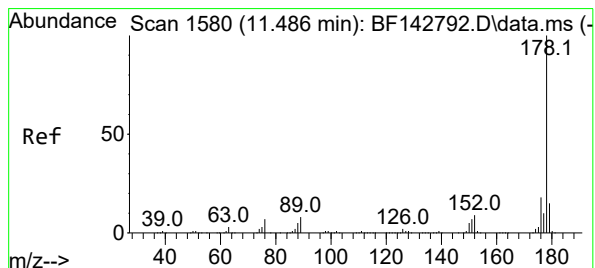
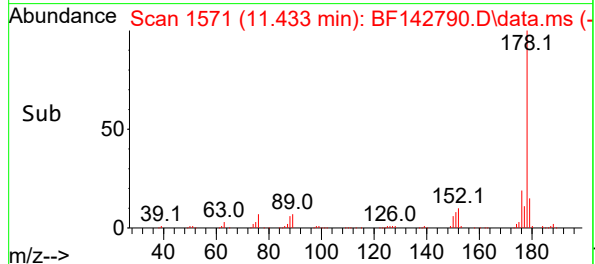
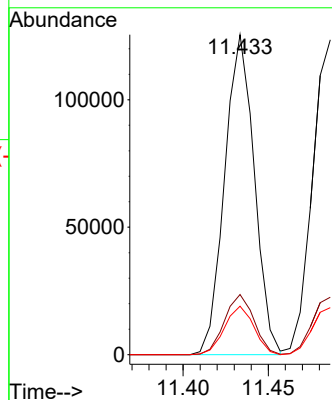
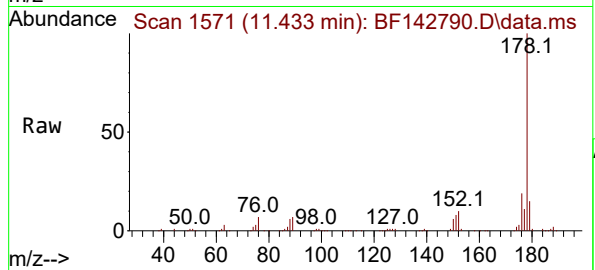




#71
Phenanthrene
Concen: 10.396 ng
RT: 11.433 min Scan# 1571
Delta R.T. -0.006 min
Lab File: BF142790.D
Acq: 19 Jun 2025 18:08

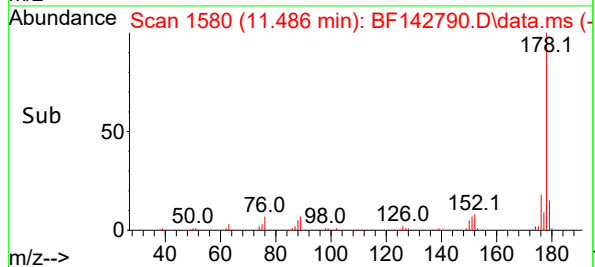
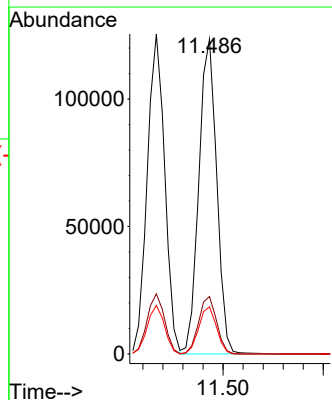
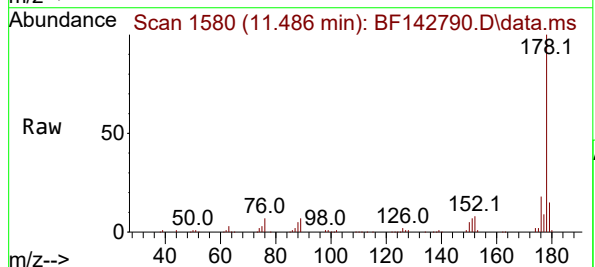
Instrument :
BNA_F
ClientSampleId :
SSTDICC010

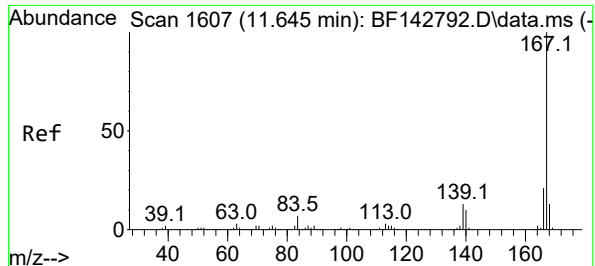
Tgt Ion:178 Resp: 151997
Ion Ratio Lower Upper
178 100
176 18.8 15.1 22.7
179 15.1 12.0 18.0



#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

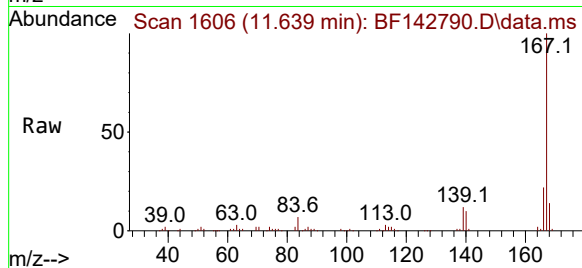
Tgt Ion:178 Resp: 153376
Ion Ratio Lower Upper
178 100
176 18.2 14.6 21.8
179 15.0 12.4 18.6



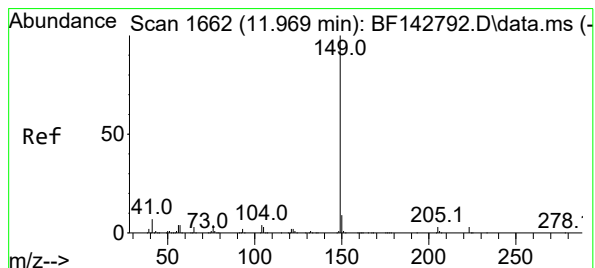
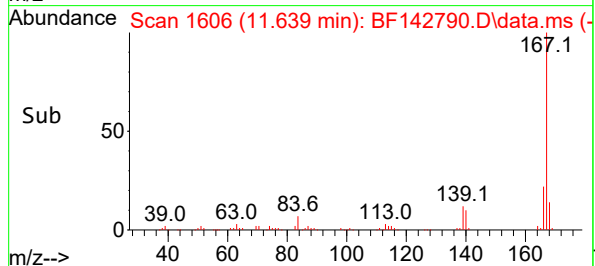
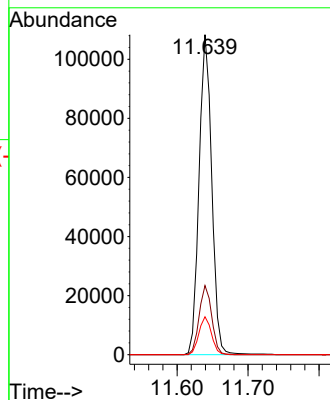


#73
Carbazole
Concen: 10.625 ng
RT: 11.639 min Scan# 1606
Delta R.T. -0.006 min
Lab File: BF142790.D
Acq: 19 Jun 2025 18:08

Instrument :
BNA_F
ClientSampleId :
SSTDICC010

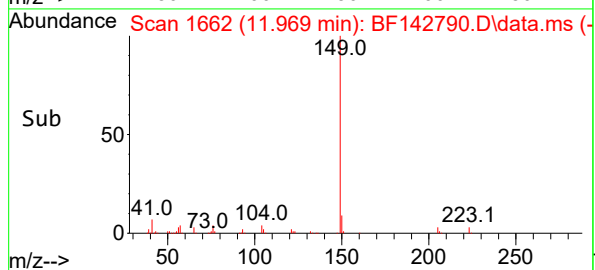
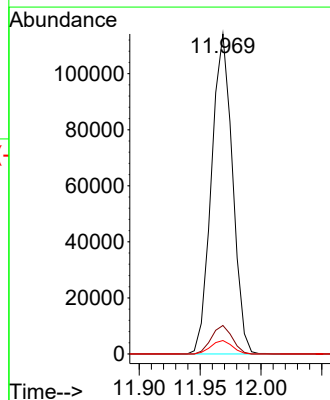
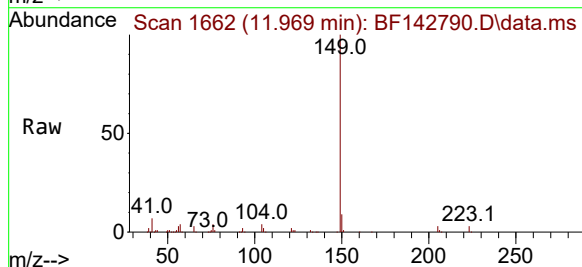


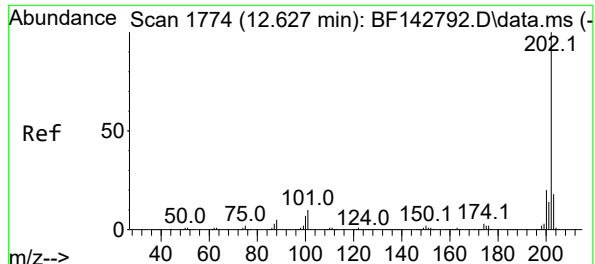
Tgt Ion:167 Resp: 134656
Ion Ratio Lower Upper
167 100
166 21.6 17.0 25.4
139 11.8 10.2 15.2



#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

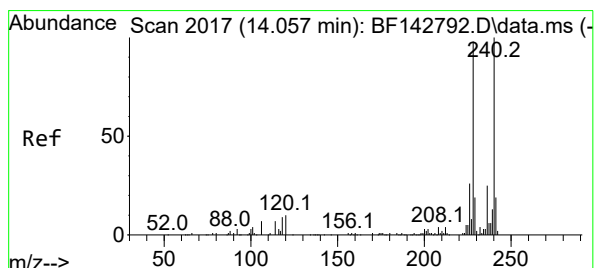
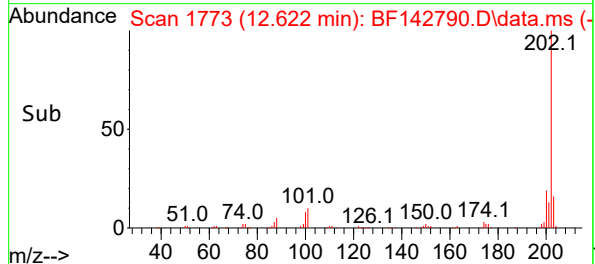
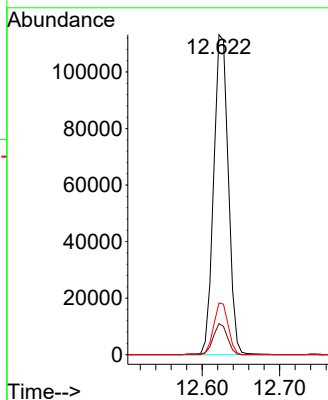
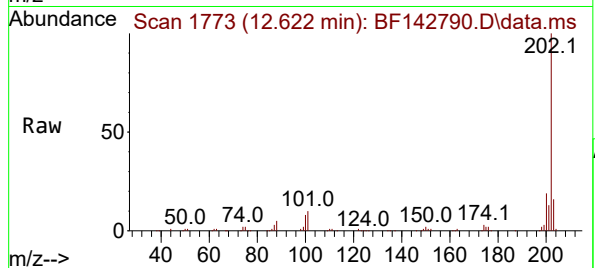




#75
Fluoranthene
Concen: 10.693 ng
RT: 12.622 min Scan# 1774
Delta R.T. -0.006 min
Lab File: BF142790.D
Acq: 19 Jun 2025 18:08

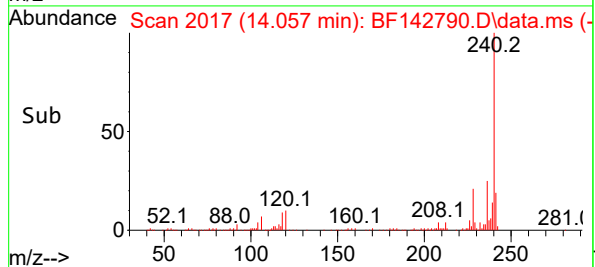
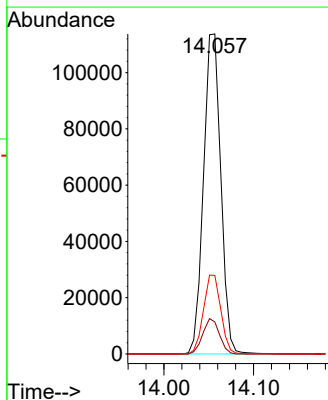
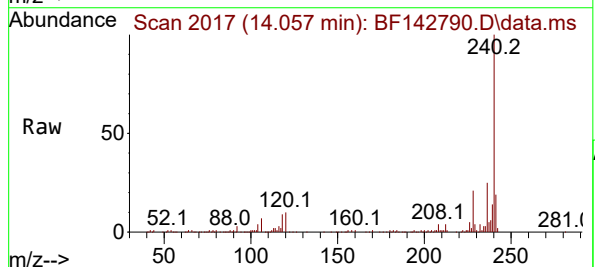
Instrument :
BNA_F
ClientSampleId :
SSTDICC010

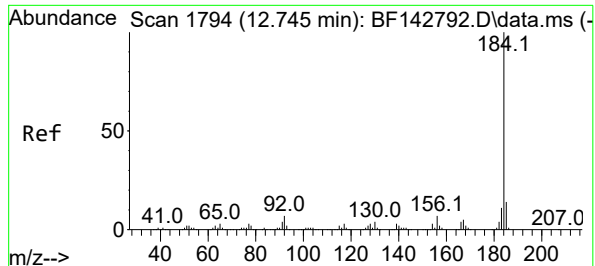
Tgt Ion:202 Resp: 148540
Ion Ratio Lower Upper
202 100
101 9.7 0.0 29.7
203 16.2 0.0 37.5



#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

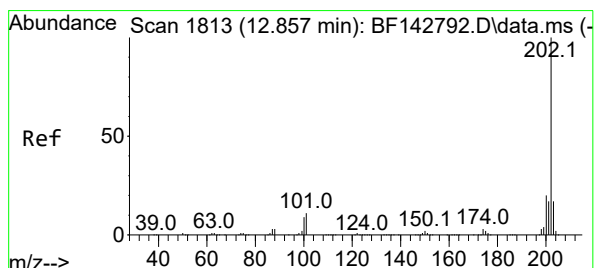
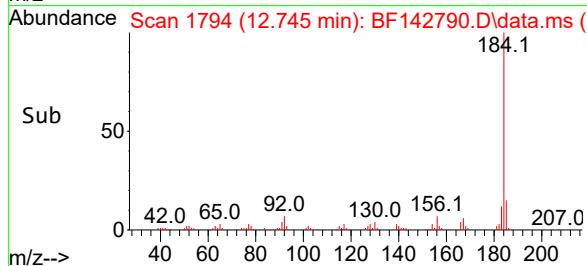
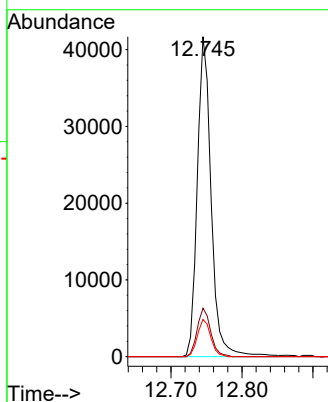
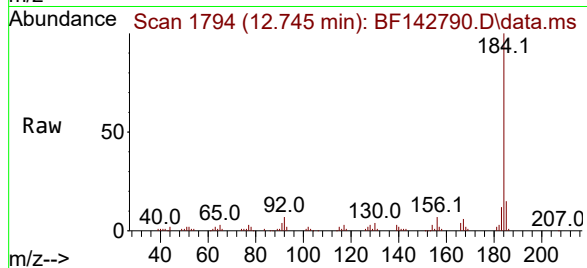
Tgt Ion:184 Resp: 56769

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

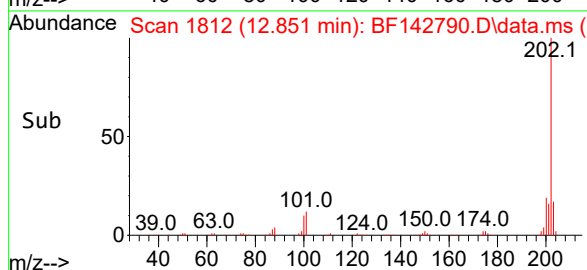
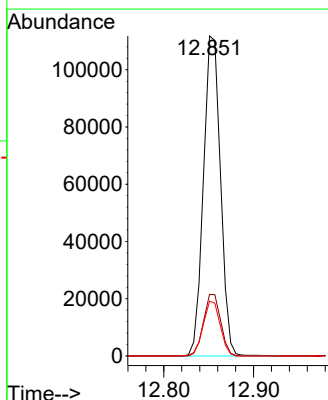
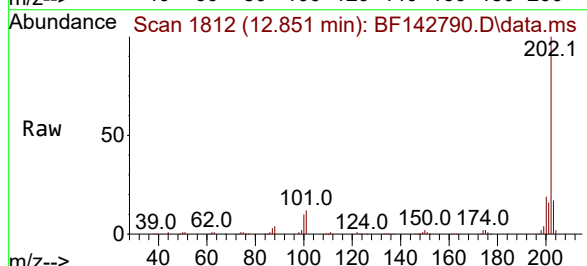
Tgt Ion:202 Resp: 147819

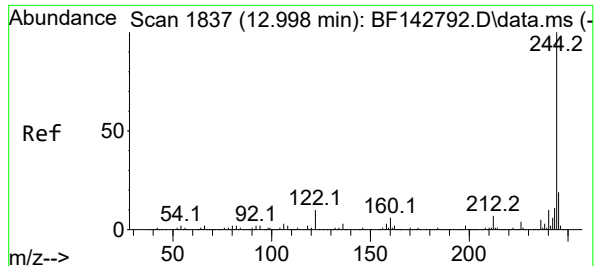
Ion Ratio Lower Upper

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

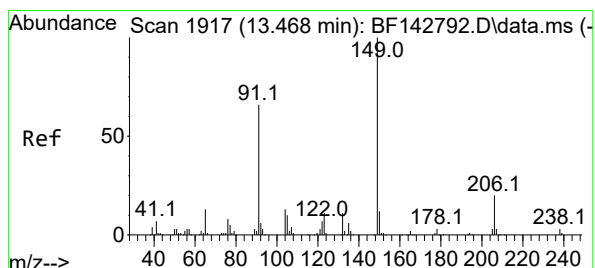
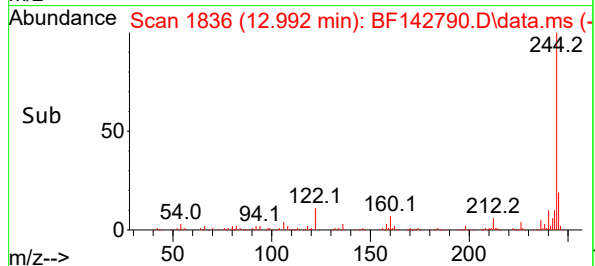
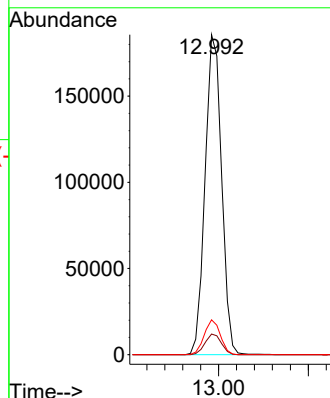
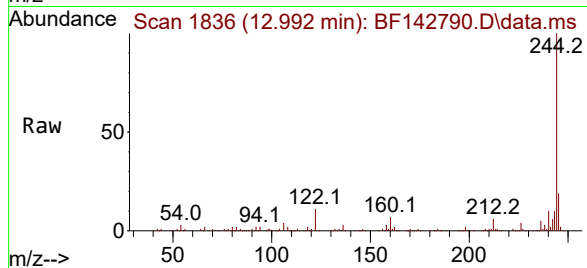
Tgt Ion:244 Resp: 237037

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

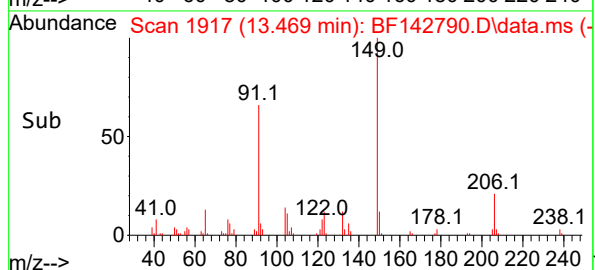
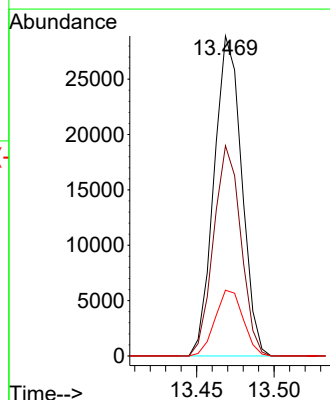
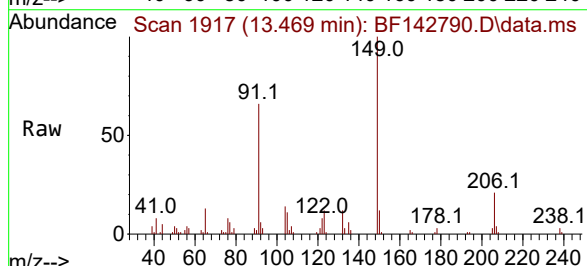
Tgt Ion:149 Resp: 35843

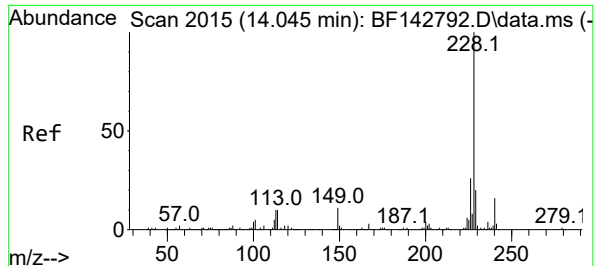
Ion Ratio Lower Upper

149 100

91 65.7 52.9 79.3

206 20.5 16.3 24.5

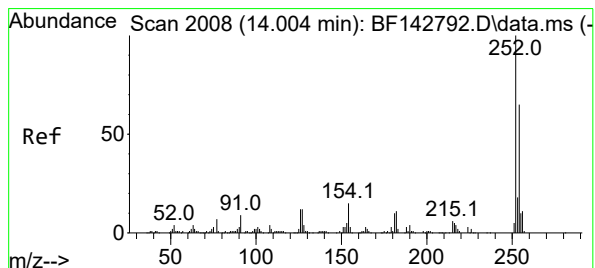
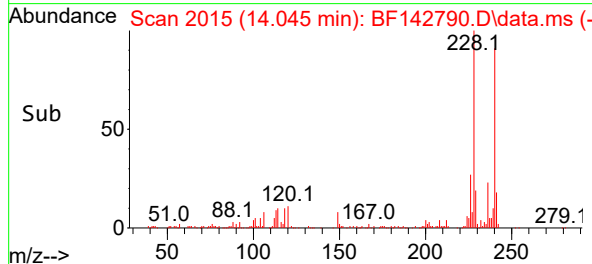
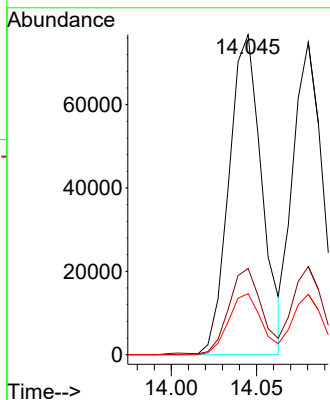
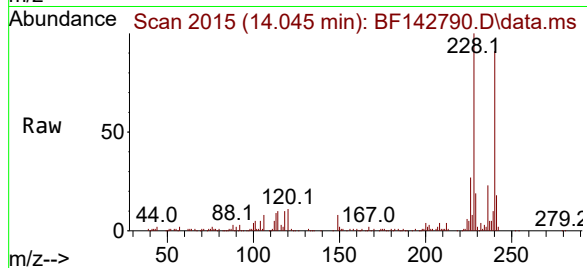




#81
Benzo(a)anthracene
Concen: 10.345 ng
RT: 14.045 min Scan# 2015
Delta R.T. 0.000 min
Lab File: BF142790.D
Acq: 19 Jun 2025 18:08

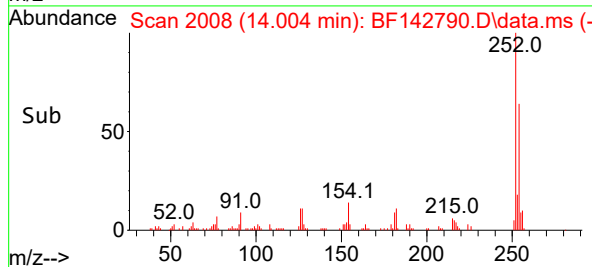
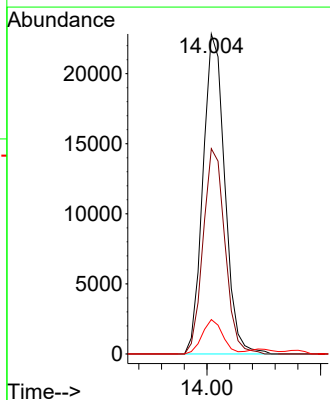
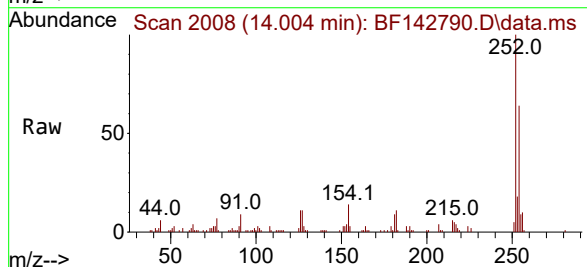
Instrument :
BNA_F
ClientSampleId :
SSTDICC010

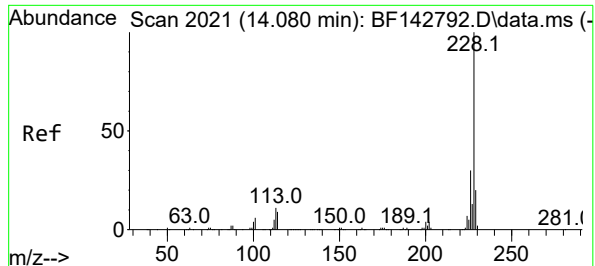
Tgt Ion:228 Resp: 103495
Ion Ratio Lower Upper
228 100
226 27.0 21.2 31.8
229 19.1 15.6 23.4



#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

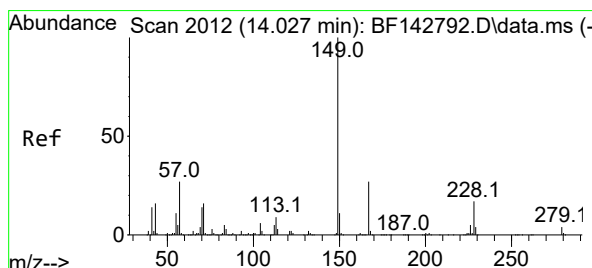
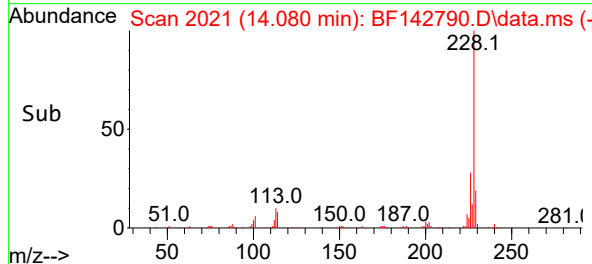
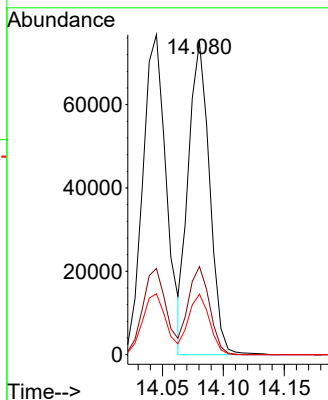
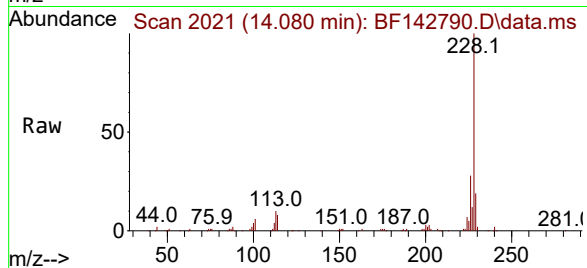




#83
Chrysene
Concen: 9.741 ng
RT: 14.080 min Scan# 2021
Delta R.T. 0.000 min
Lab File: BF142790.D
Acq: 19 Jun 2025 18:08

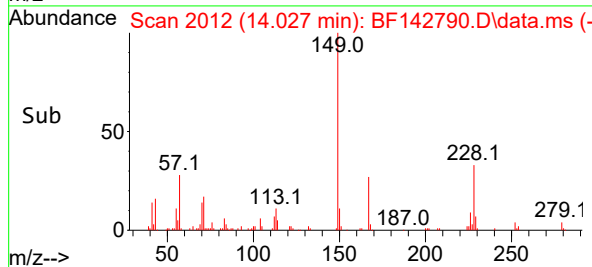
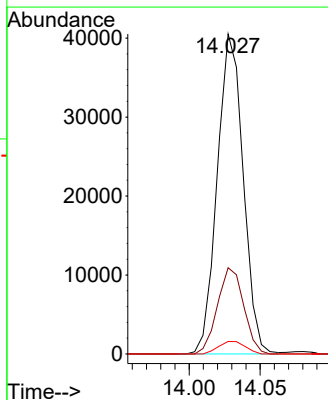
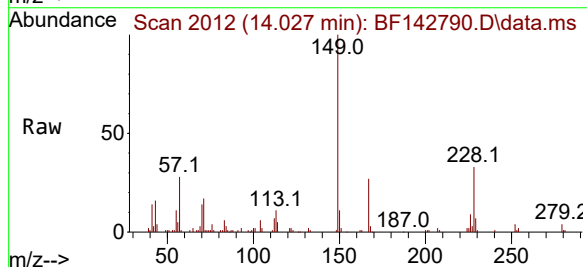
Instrument :
BNA_F
ClientSampleId :
SSTDICC010

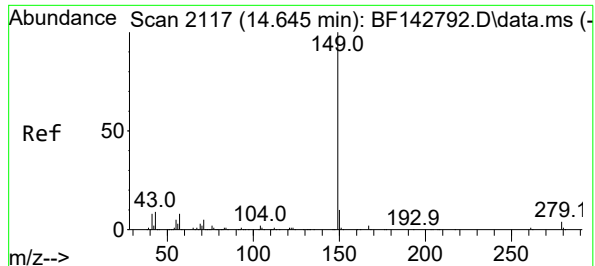
Tgt Ion	Ratio	Lower	Upper
228	100		
226	28.2	23.7	35.5
229	19.4	15.7	23.5



#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	Ratio	Lower	Upper
149	100		
167	27.0	21.4	32.0
279	3.9	3.0	4.6

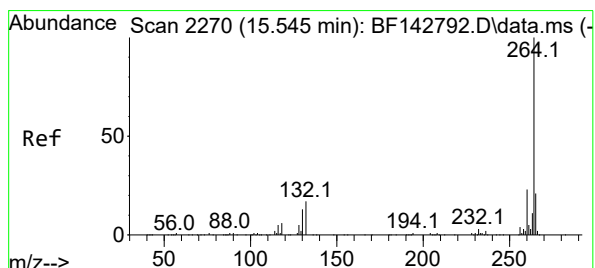
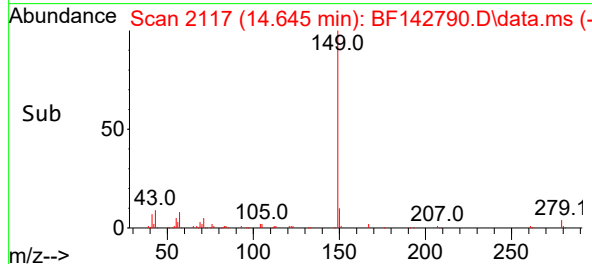
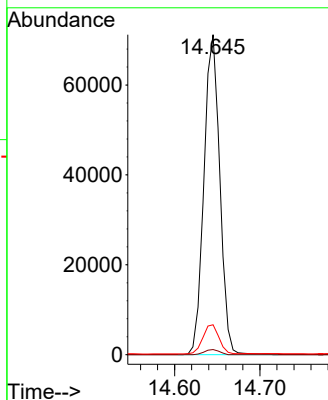
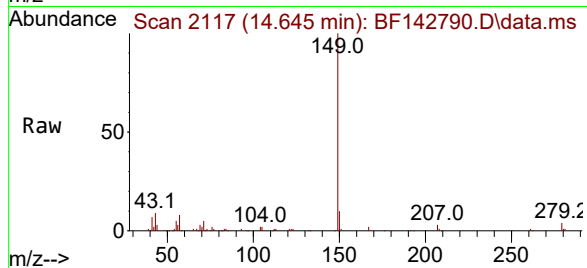




#85
Di-n-octyl phthalate
Concen: 7.805 ng
RT: 14.645 min Scan# 2117
Delta R.T. 0.000 min
Lab File: BF142790.D
Acq: 19 Jun 2025 18:08

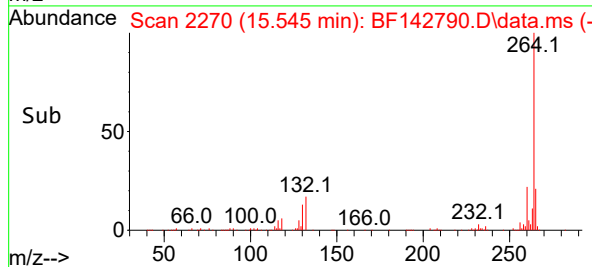
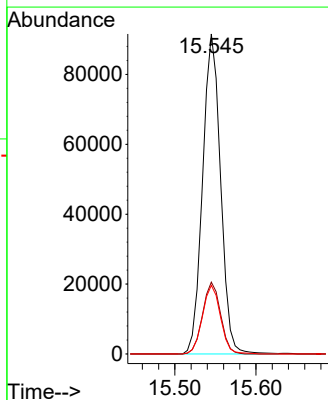
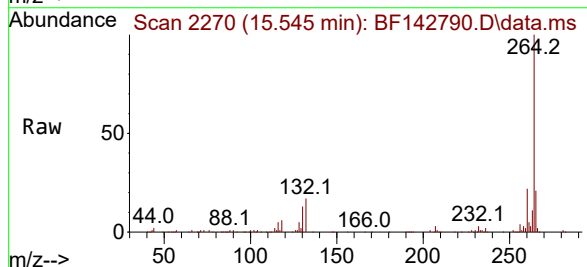
Instrument :
BNA_F
ClientSampleId :
SSTDICC010

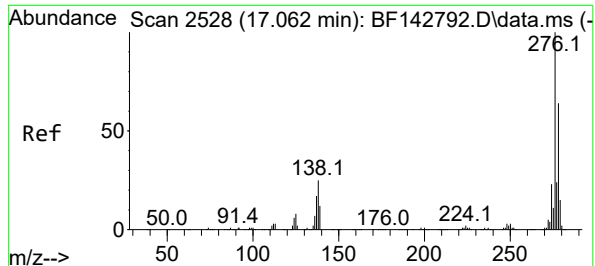
Tgt Ion	Ratio	Lower	Upper
149	100		
167	1.5	1.3	1.9
43	9.3	7.6	11.4



#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

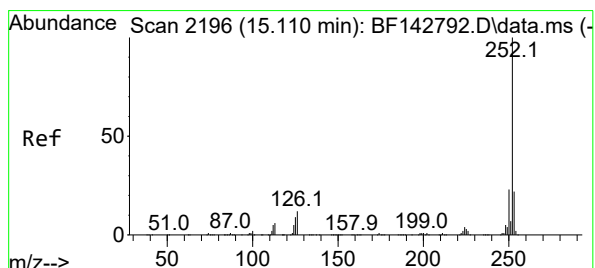
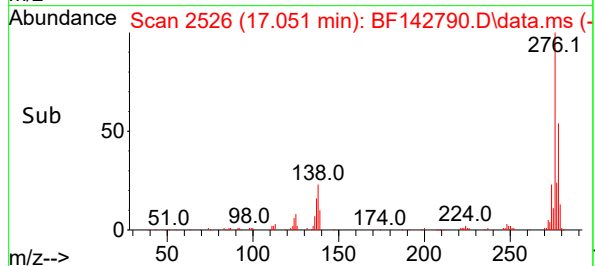
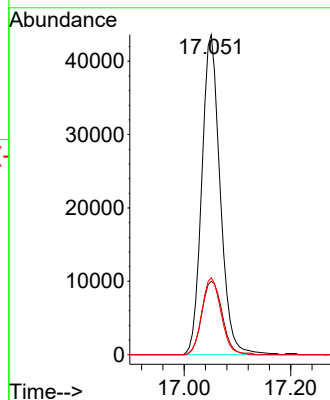
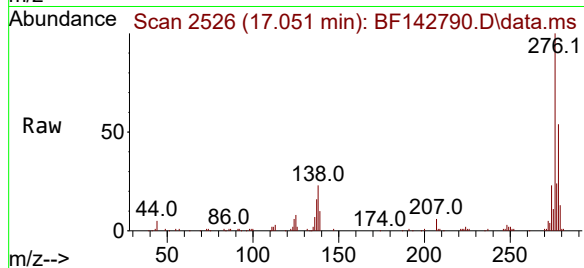
Tgt Ion:276 Resp: 104445

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

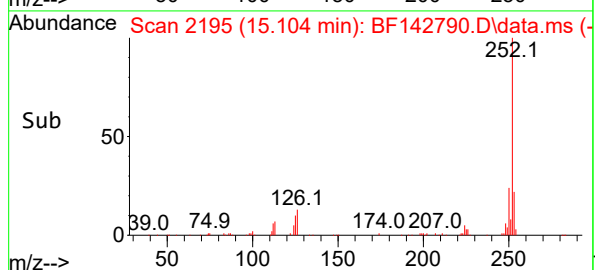
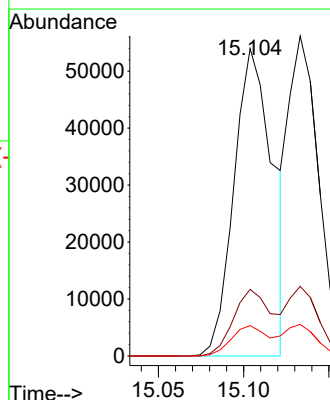
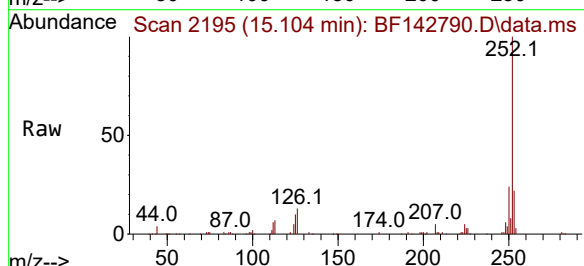
Tgt Ion:252 Resp: 85689

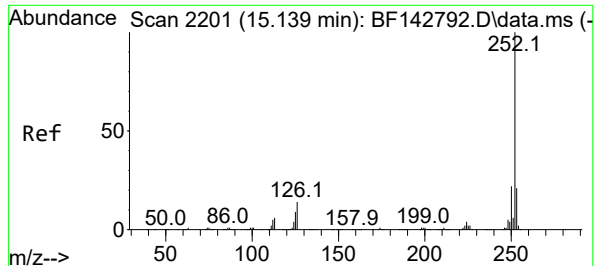
Ion Ratio Lower Upper

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

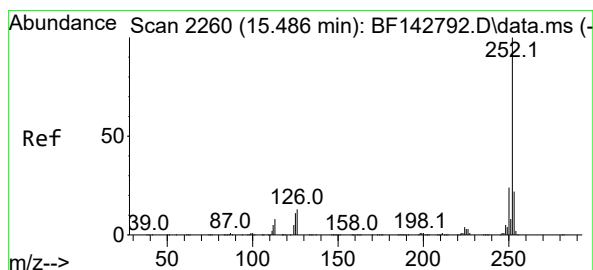
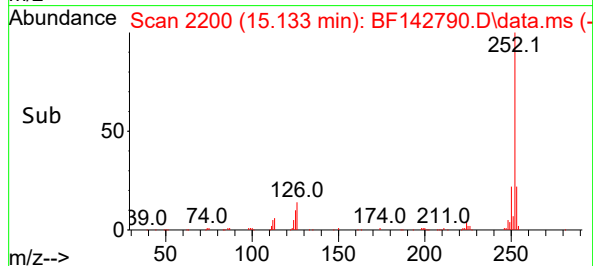
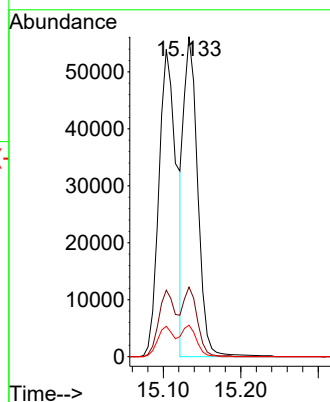
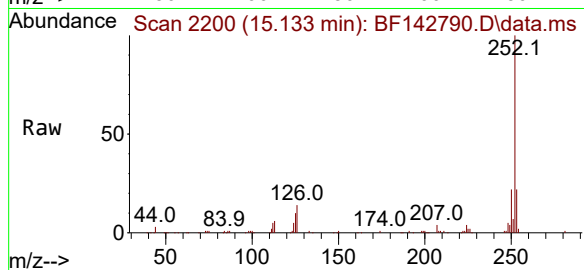
Tgt Ion:252 Resp: 70470

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

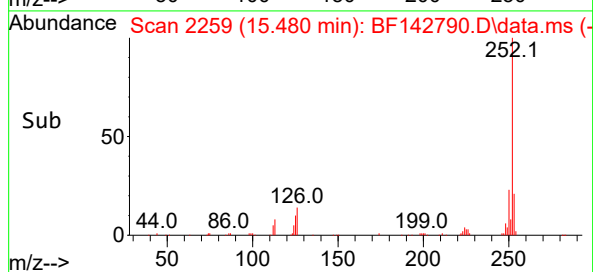
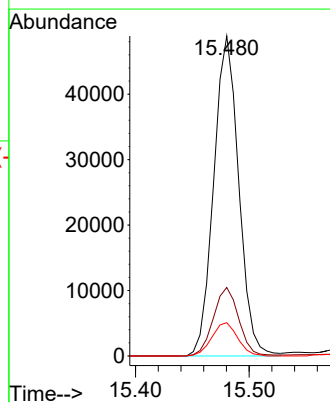
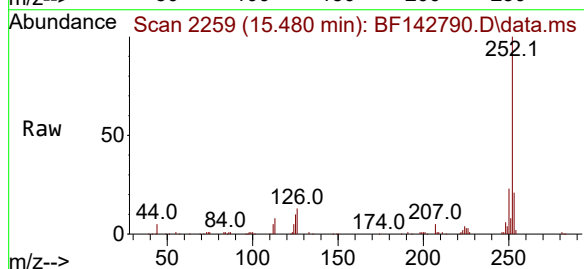
Tgt Ion:252 Resp: 74803

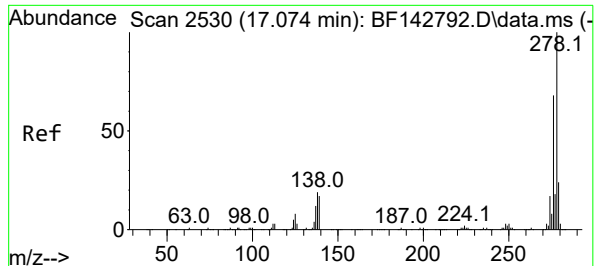
Ion Ratio Lower Upper

252 100

253 21.4 17.5 26.3

125 10.4 8.6 12.8

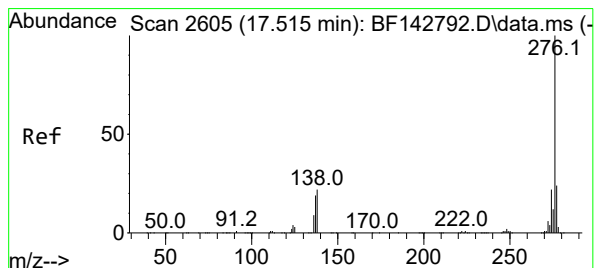
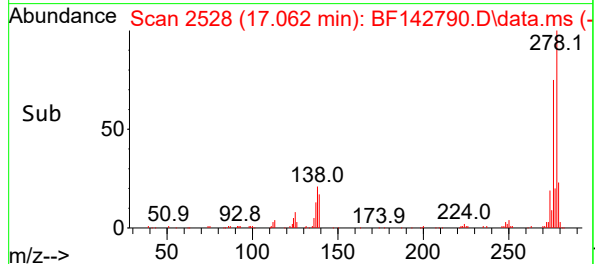
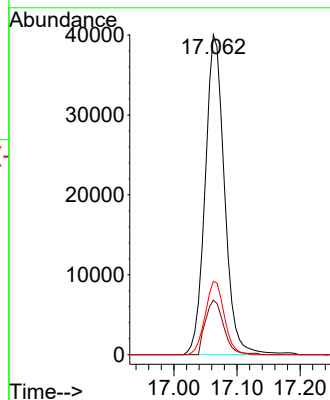
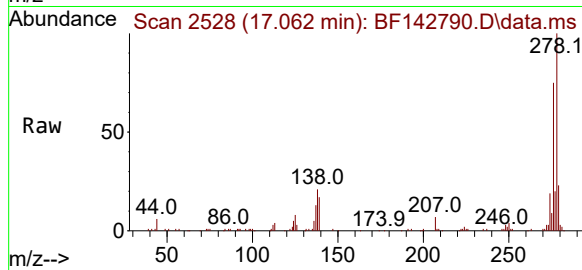




#91
Dibenzo(a,h)anthracene
Concen: 10.099 ng
RT: 17.062 min Scan# 21
Delta R.T. -0.012 min
Lab File: BF142790.D
Acq: 19 Jun 2025 18:08

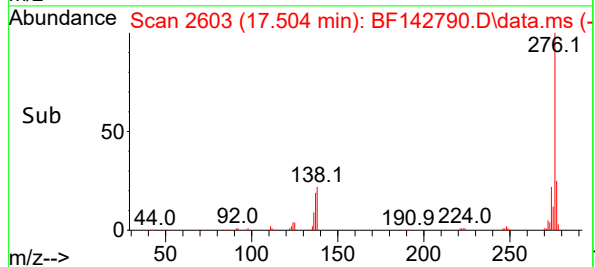
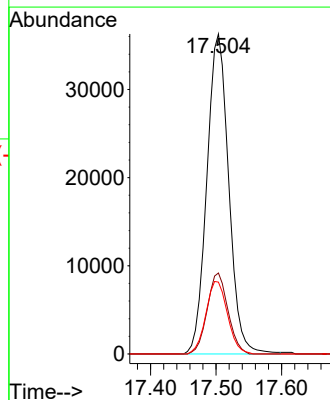
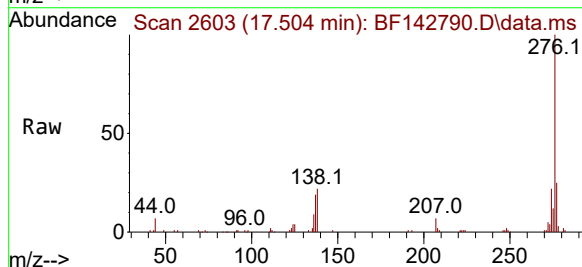
Instrument :
BNA_F
ClientSampleId :
SSTDICC010

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

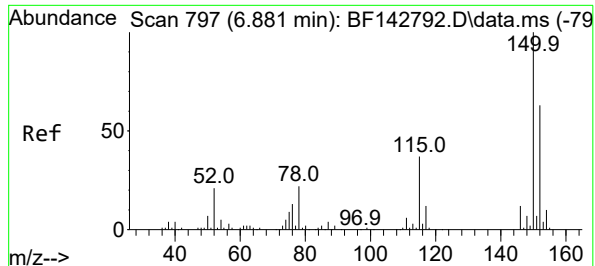
Quant Time: Jun 20 04:39:16 2025
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF061925.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Fri Jun 20 04:36:38 2025
 Response via : Initial Calibration

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

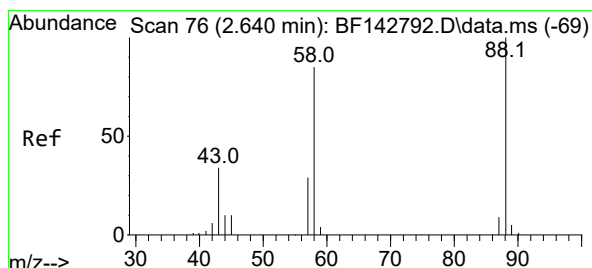
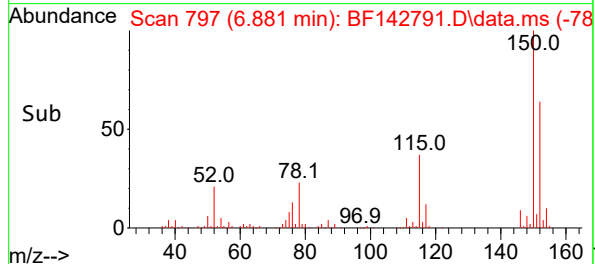
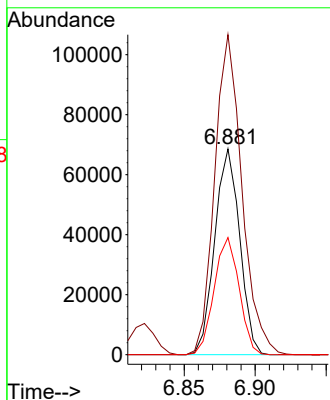
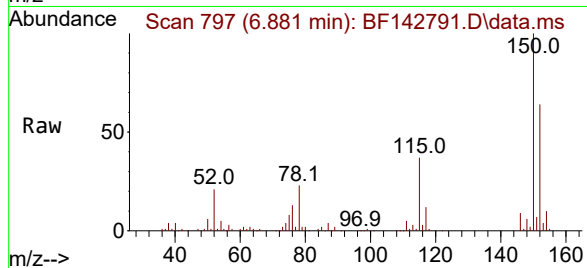
[illegible]



#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

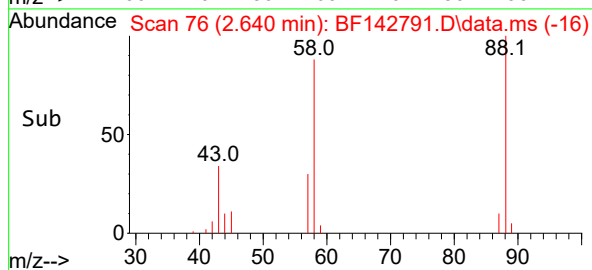
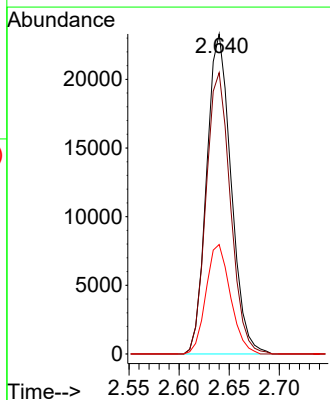
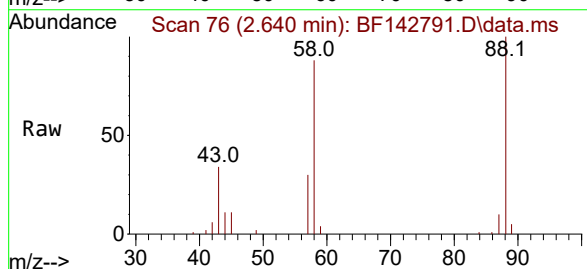
Instrument :
BNA_F
ClientSampleId :
SSTDICC020

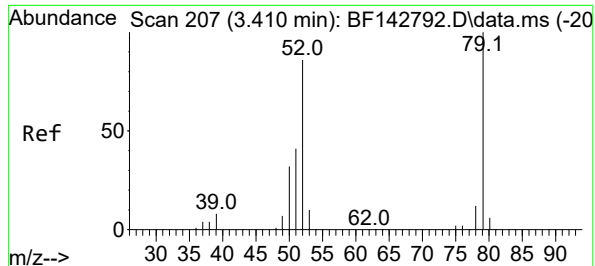
Tgt Ion:152 Resp: 83780
Ion Ratio Lower Upper
152 100
150 155.5 127.2 190.8
115 56.9 46.6 69.8



#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

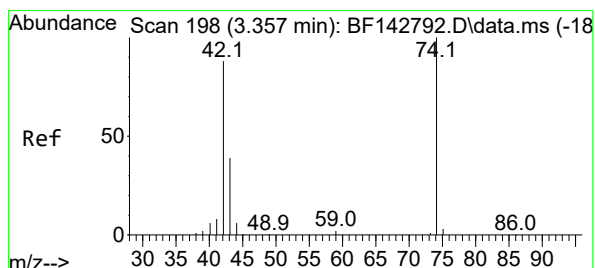
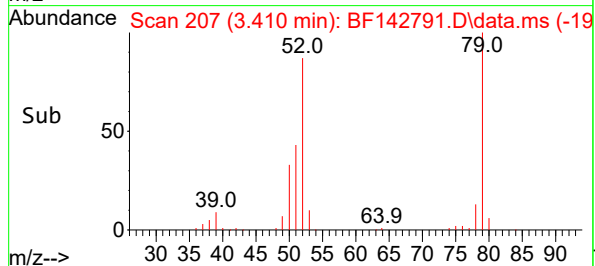
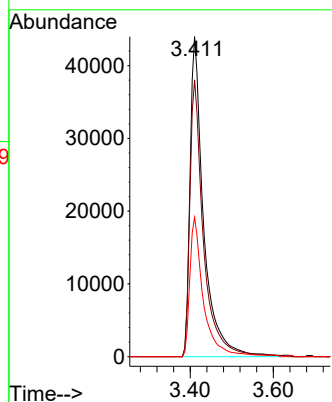
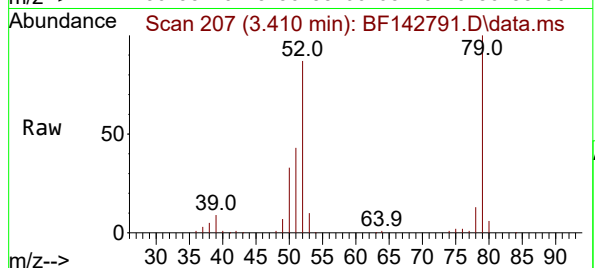
Tgt Ion: 79 Resp: 99721

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

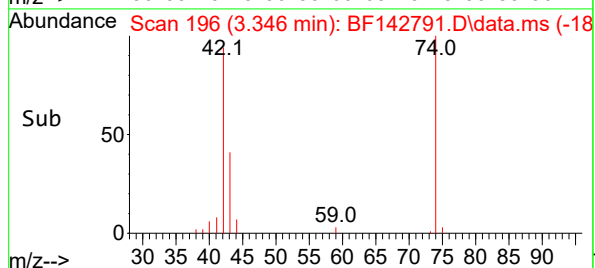
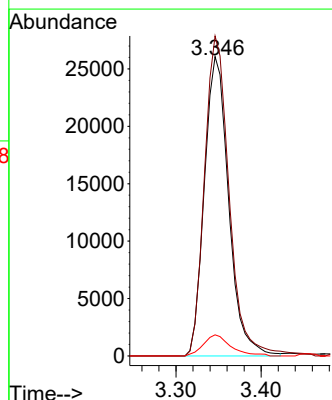
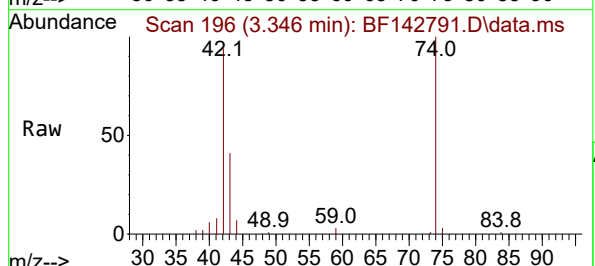
Tgt Ion: 42 Resp: 51716

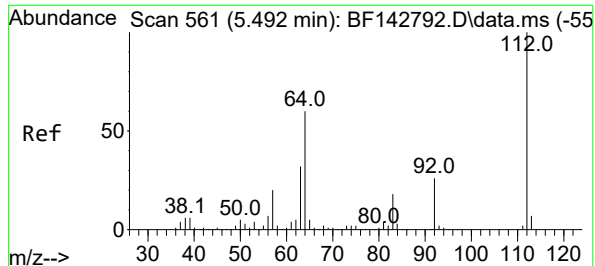
Ion Ratio Lower Upper

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

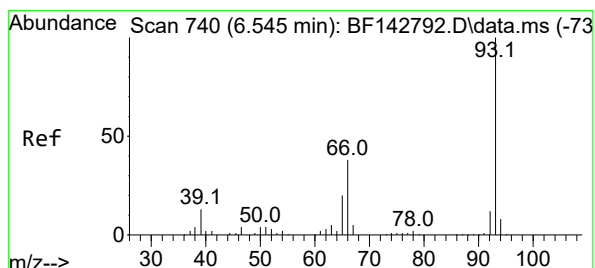
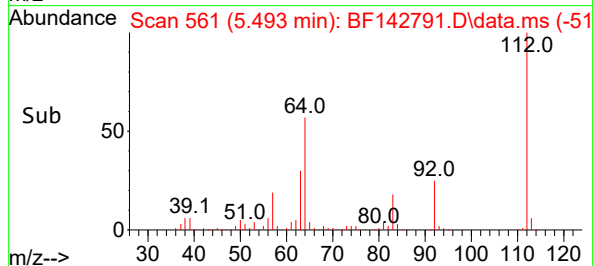
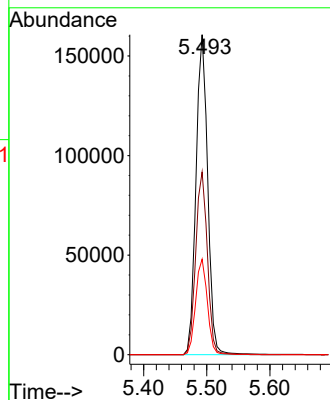
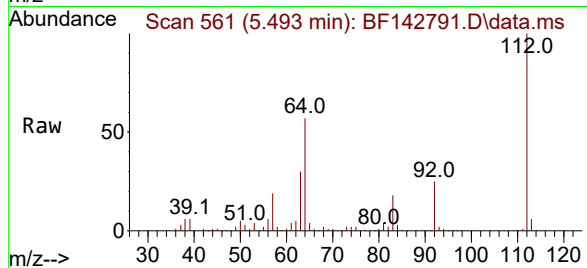
Tgt Ion:112 Resp: 206126

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

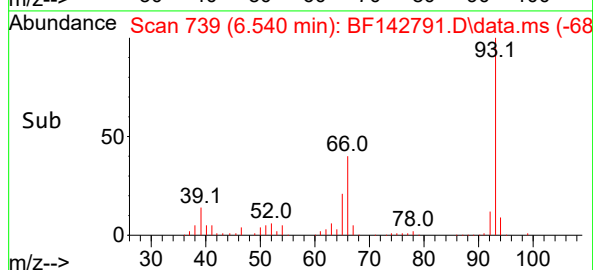
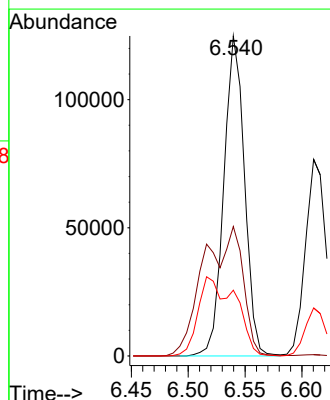
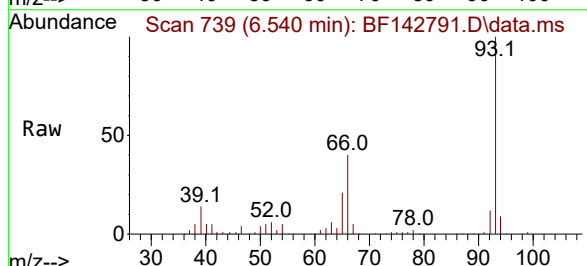
Tgt Ion: 93 Resp: 158463

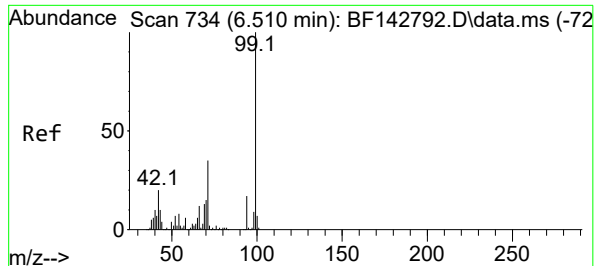
Ion Ratio Lower Upper

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

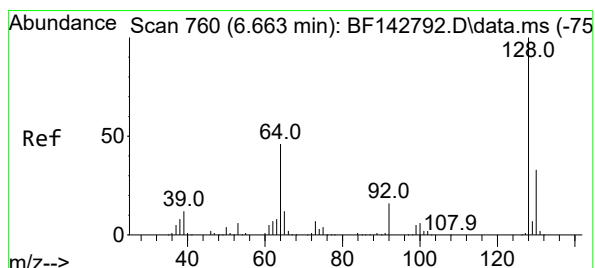
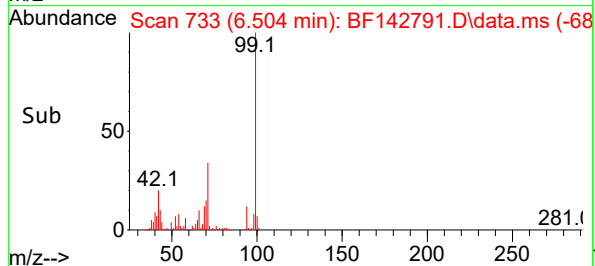
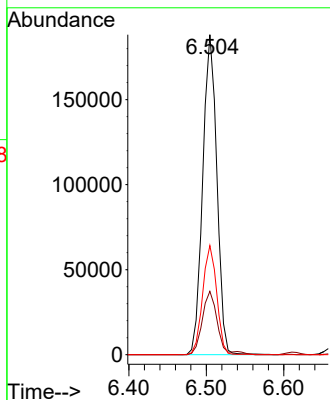
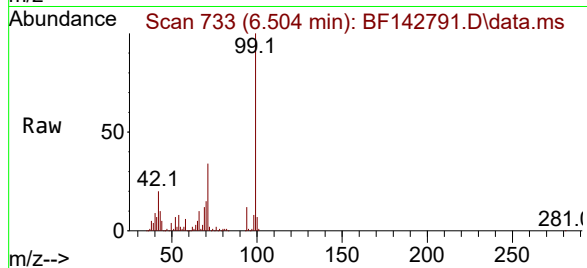
Tgt Ion: 99 Resp: 238437

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

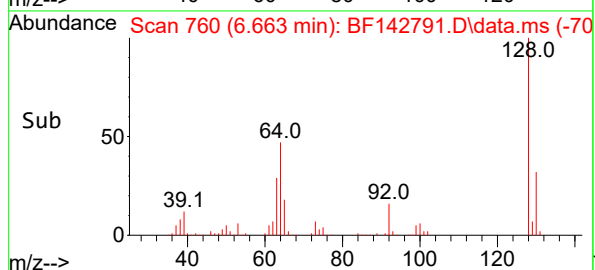
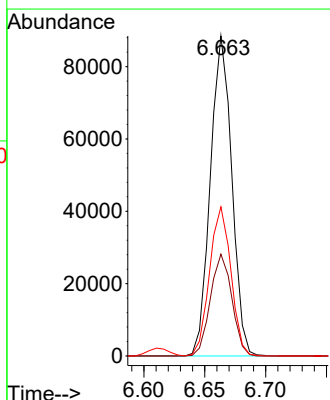
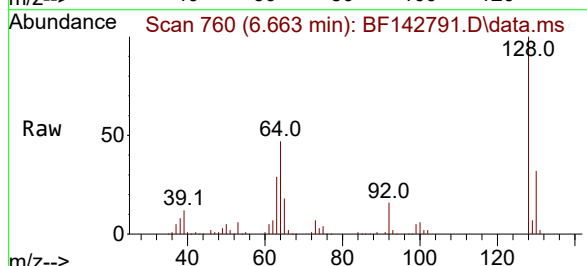
Tgt Ion:128 Resp: 108230

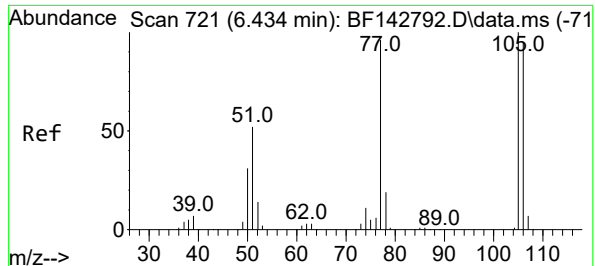
Ion Ratio Lower Upper

128 100

130 31.8 12.7 52.7

64 46.6 26.5 66.5

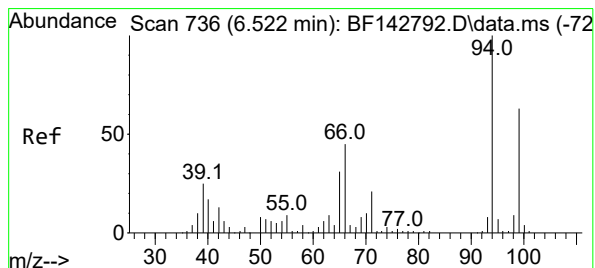
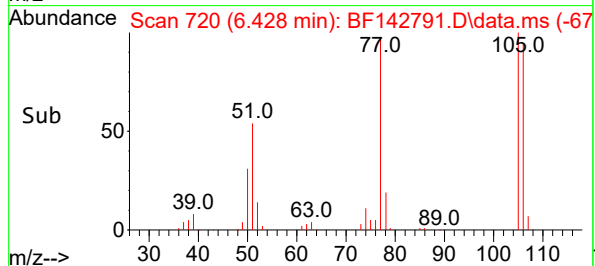
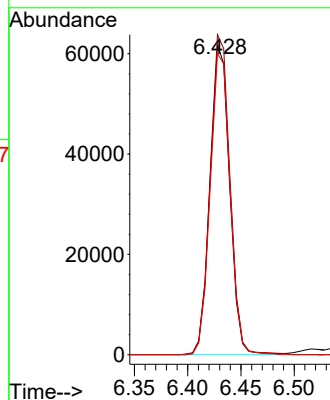
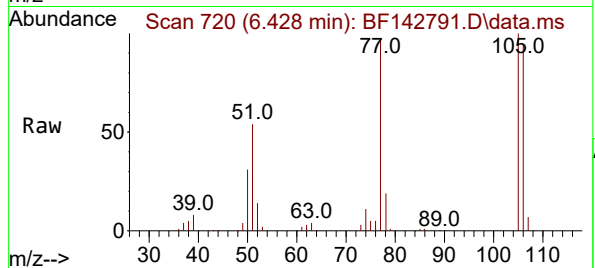




#9
Benzaldehyde
Concen: 22.467 ng
RT: 6.428 min Scan# 71
Delta R.T. -0.006 min
Lab File: BF142791.D
Acq: 19 Jun 2025 18:39

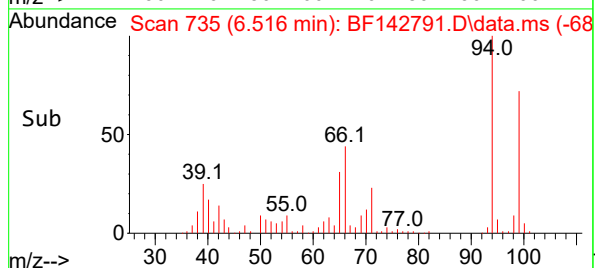
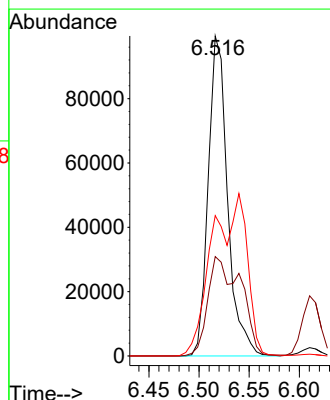
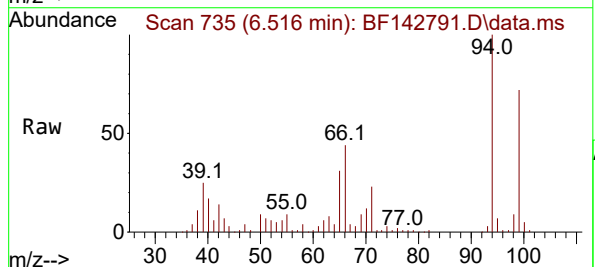
Instrument :
BNA_F
ClientSampleId :
SSTDICC020

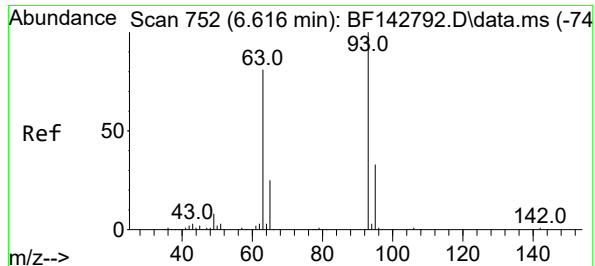
Tgt Ion: 77 Resp: 79008
Ion Ratio Lower Upper
77 100
105 103.4 83.8 123.8
106 97.4 78.7 118.7



#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

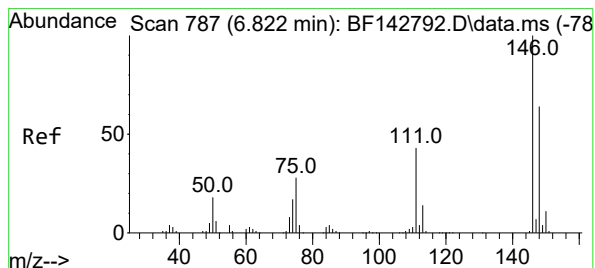
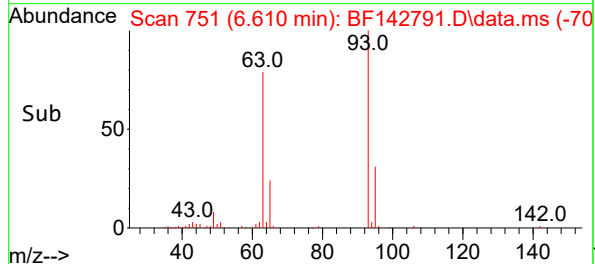
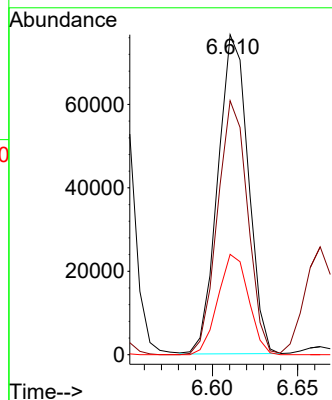
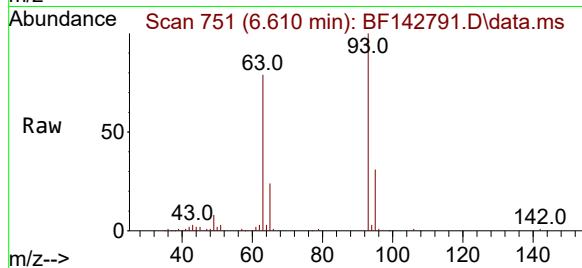




#11
bis(2-Chloroethyl)ether
Concen: 19.905 ng
RT: 6.610 min Scan# 751
Delta R.T. -0.006 min
Lab File: BF142791.D
Acq: 19 Jun 2025 18:39

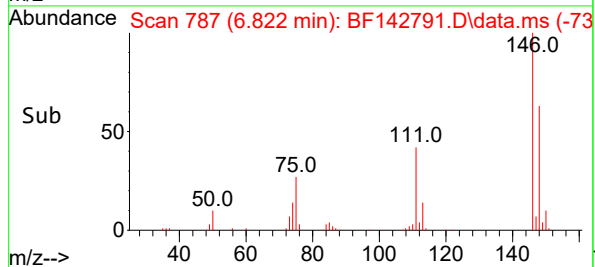
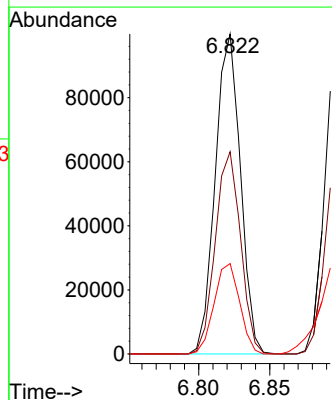
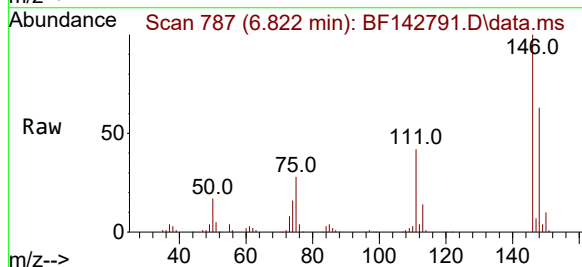
Instrument :
BNA_F
ClientSampleId :
SSTDICC020

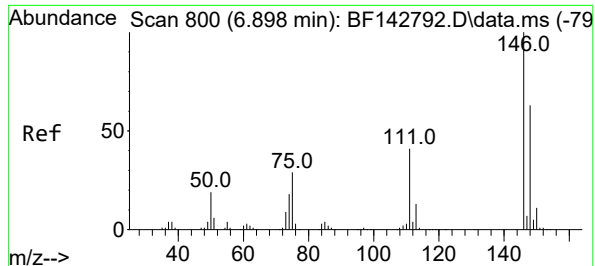
Tgt Ion: 93 Resp: 94972
Ion Ratio Lower Upper
93 100
63 79.3 60.3 100.3
95 31.3 12.5 52.5



#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

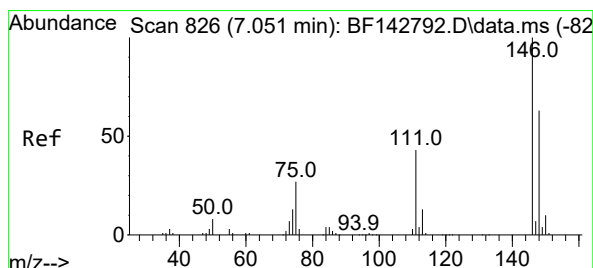
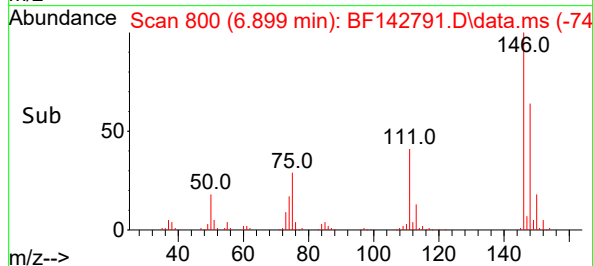
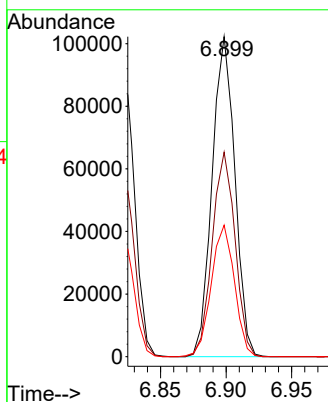
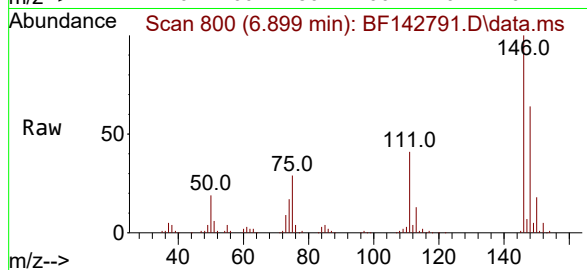
Tgt Ion:146 Resp: 123337

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

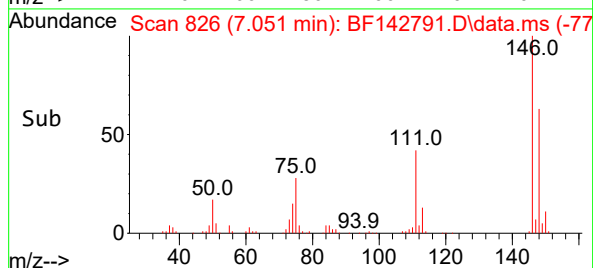
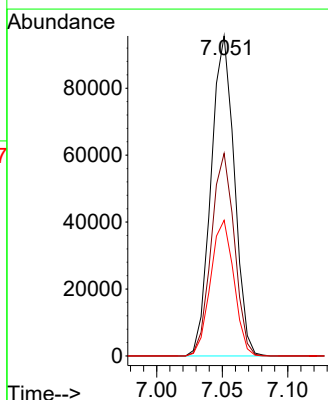
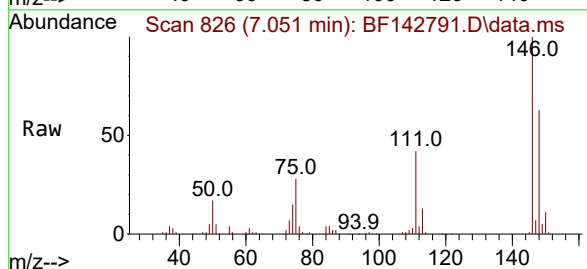
Tgt Ion:146 Resp: 118033

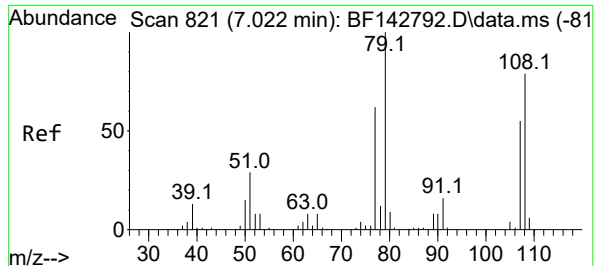
Ion Ratio Lower Upper

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

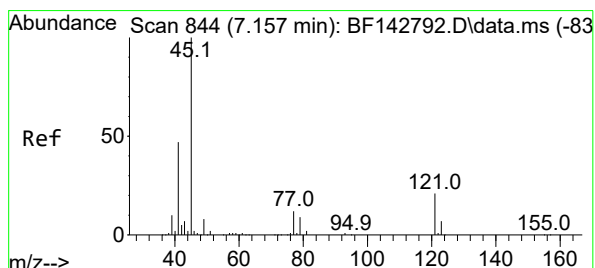
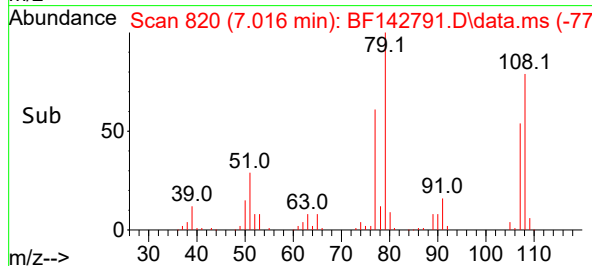
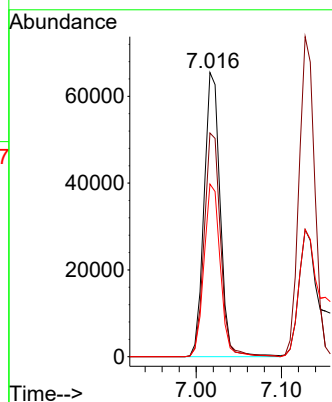
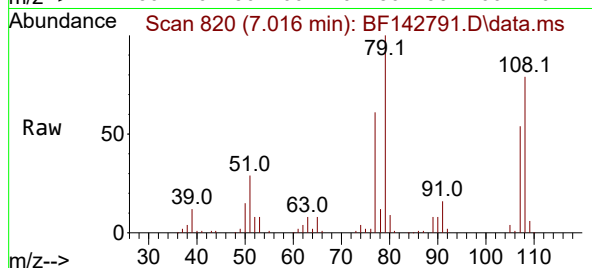
Tgt Ion: 79 Resp: 85856

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

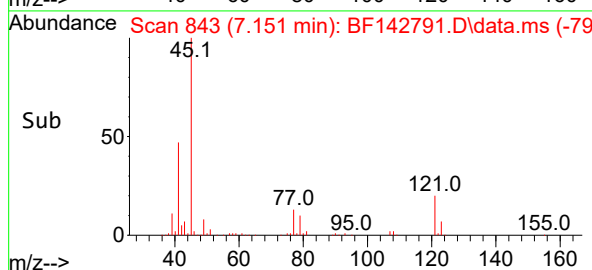
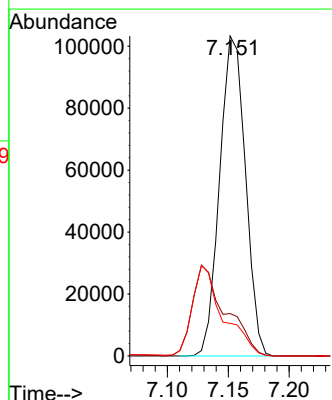
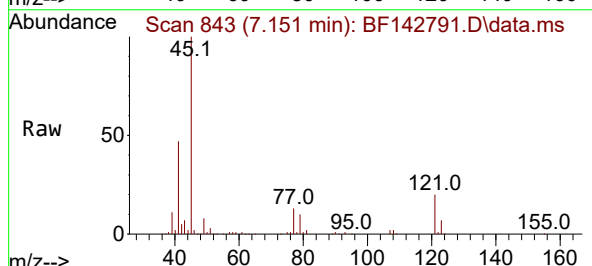
Tgt Ion: 45 Resp: 152035

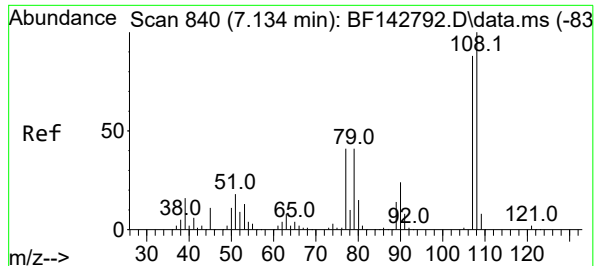
Ion Ratio Lower Upper

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# 81

Delta R.T. -0.006 min

Lab File: BF142791.D

Acq: 19 Jun 2025 18:39

Instrument :

BNA_F

ClientSampleId :

SSTDICC020

Tgt Ion:107 Resp: 82097

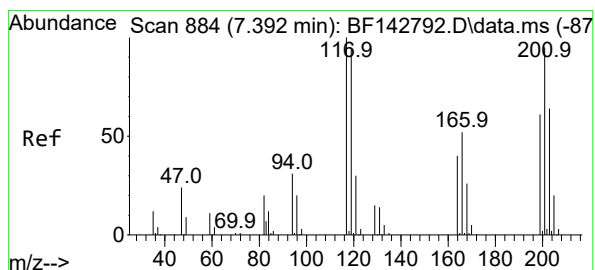
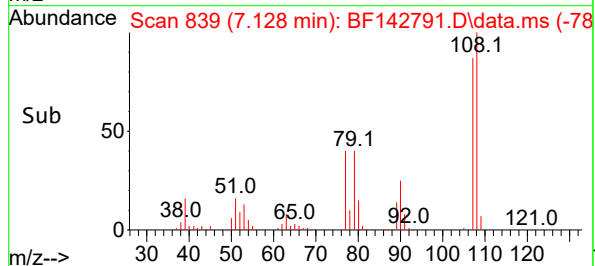
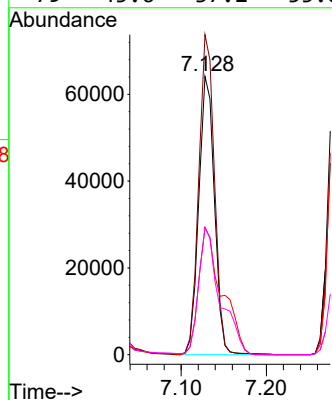
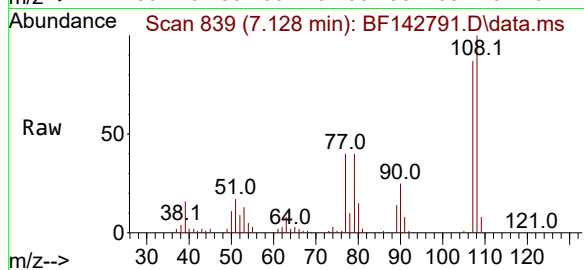
Ion Ratio Lower Upper

107 100

108 115.0 90.9 136.3

77 45.7 37.3 55.9

79 45.6 37.2 55.8



#18

Hexachloroethane

Concen: 19.229 ng

RT: 7.393 min Scan# 884

Delta R.T. 0.000 min

Lab File: BF142791.D

Acq: 19 Jun 2025 18:39

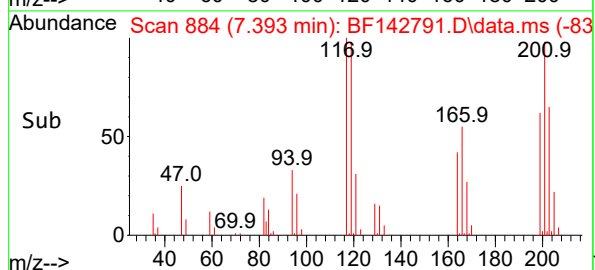
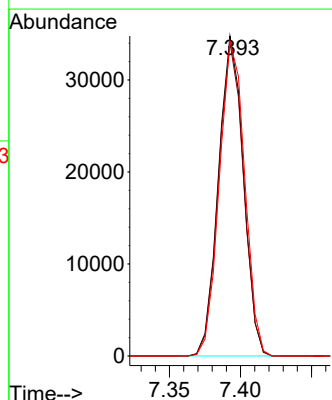
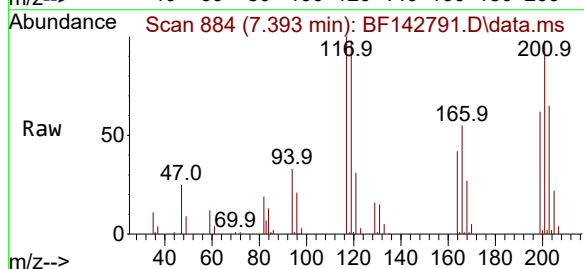
Tgt Ion:117 Resp: 42435

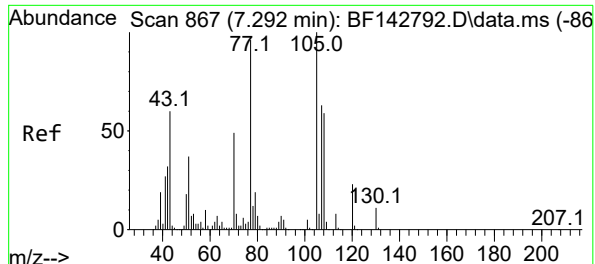
Ion Ratio Lower Upper

117 100

119 97.9 75.4 113.0

201 98.3 75.9 113.9





#19

n-Nitroso-di-n-propylamine

Concen: 19.178 ng

RT: 7.287 min Scan# 8

Delta R.T. -0.006 min

Lab File: BF142791.D

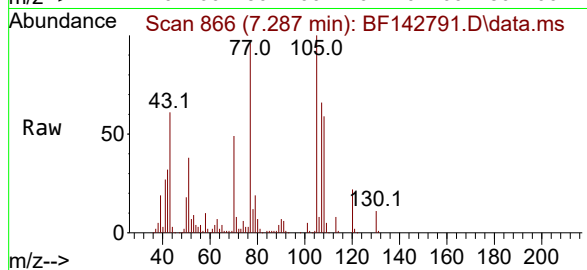
Acq: 19 Jun 2025 18:39

Instrument :

BNA_F

ClientSampleId :

SSTDICC020



Tgt Ion: 70 Resp: 69761

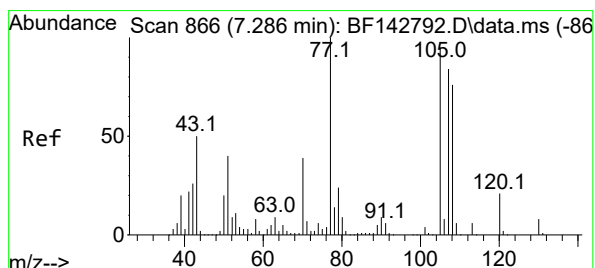
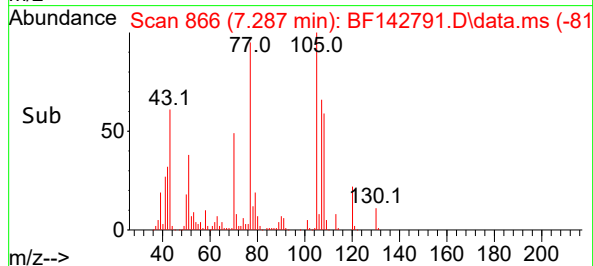
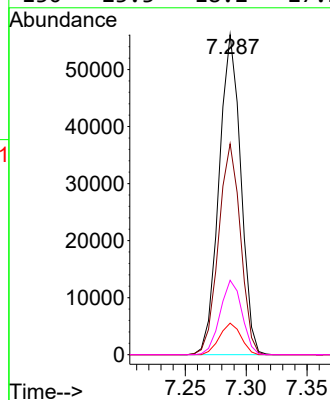
Ion Ratio Lower Upper

70 100

42 65.9 52.1 78.1

101 9.8 8.2 12.2

130 23.3 18.2 27.2



#20

3+4-Methylphenols

Concen: 20.547 ng

RT: 7.281 min Scan# 865

Delta R.T. -0.006 min

Lab File: BF142791.D

Acq: 19 Jun 2025 18:39

Tgt Ion: 107 Resp: 105750

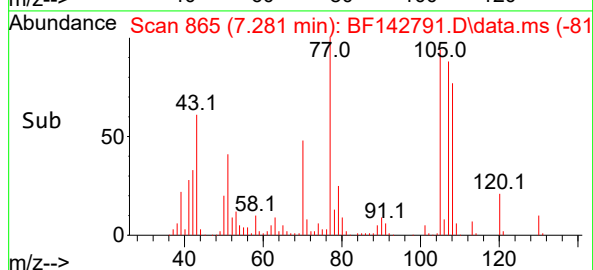
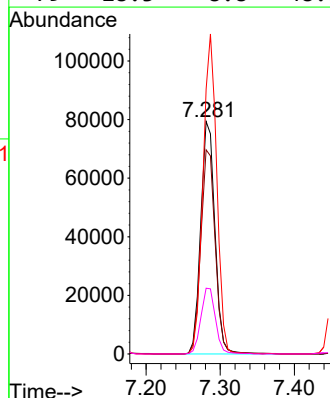
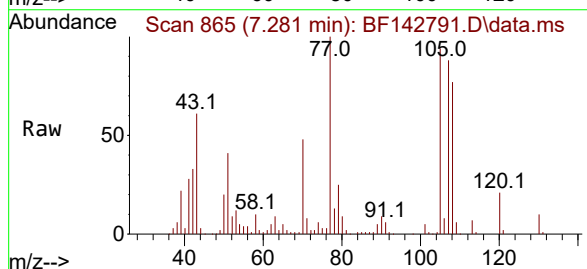
Ion Ratio Lower Upper

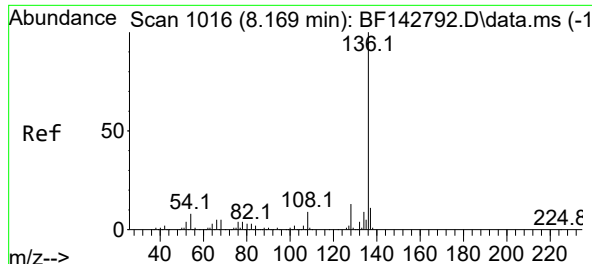
107 100

108 87.9 70.0 110.0

77 113.9 98.5 138.5

79 28.3 8.8 48.8





#21

Naphthalene-d8

Concen: 20.000 ng

RT: 8.163 min Scan# 1016

Delta R.T. -0.006 min

Lab File: BF142791.D

Acq: 19 Jun 2025 18:39

Instrument :

BNA_F

ClientSampleId :

SSTDICC020

Tgt Ion:136 Resp: 312367

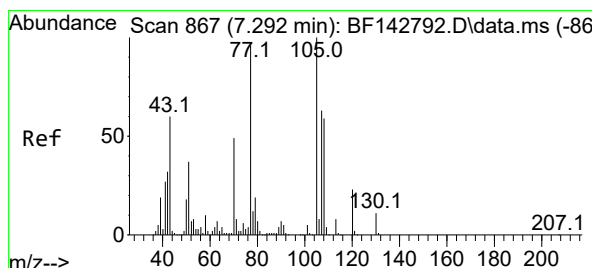
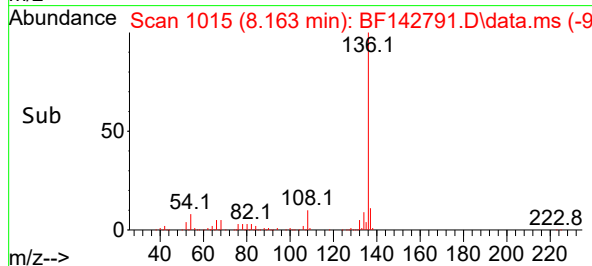
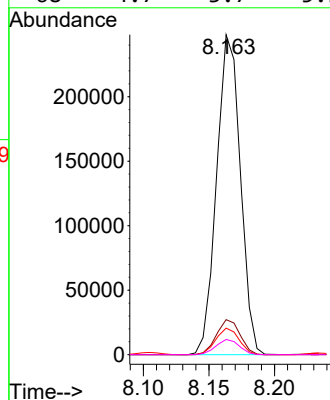
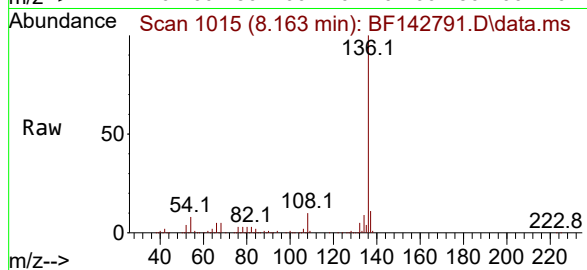
Ion Ratio Lower Upper

136 100

137 11.0 8.4 12.6

54 8.3 6.3 9.5

68 4.7 3.7 5.5



#22

Acetophenone

Concen: 20.730 ng

RT: 7.287 min Scan# 866

Delta R.T. -0.006 min

Lab File: BF142791.D

Acq: 19 Jun 2025 18:39

Tgt Ion:105 Resp: 143274

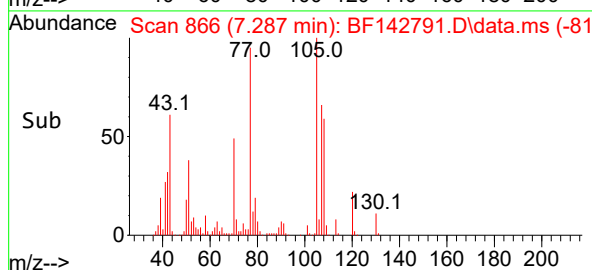
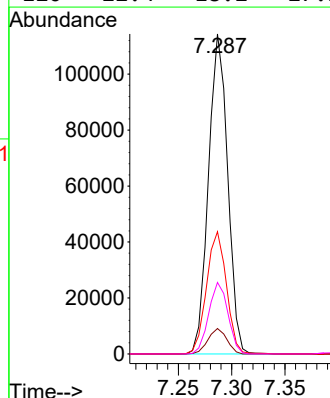
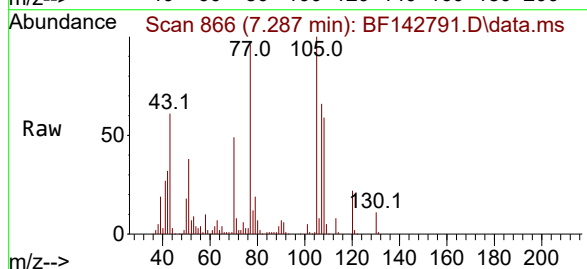
Ion Ratio Lower Upper

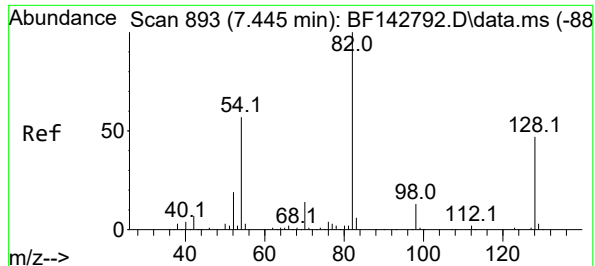
105 100

71 8.0 6.5 9.7

51 38.2 29.8 44.8

120 22.4 18.2 27.2





#23

Nitrobenzene-d5

Concen: 40.933 ng

RT: 7.440 min Scan# 893

Delta R.T. -0.006 min

Lab File: BF142791.D

Acq: 19 Jun 2025 18:39

Instrument :

BNA_F

ClientSampleId :

SSTDICC020

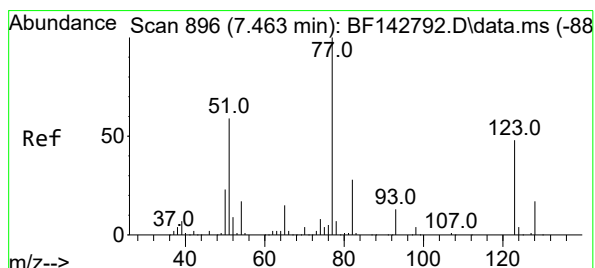
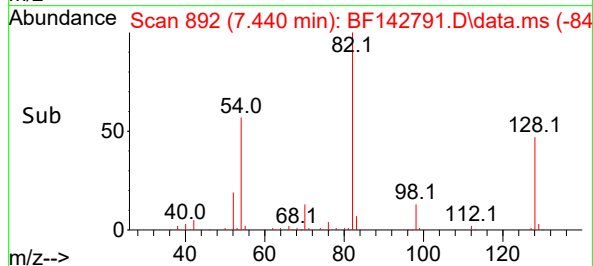
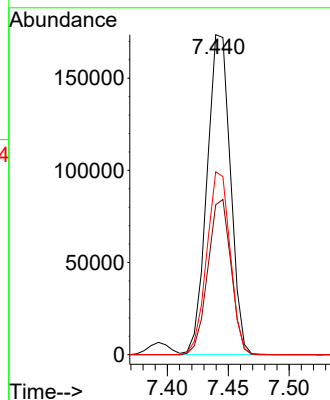
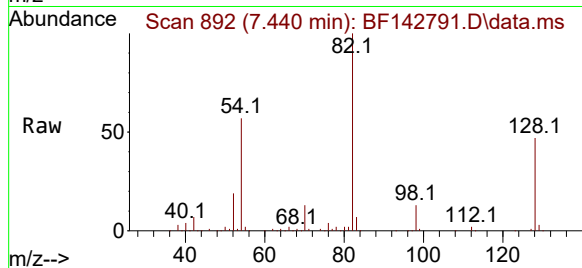
Tgt Ion: 82 Resp: 233268

Ion Ratio Lower Upper

82 100

128 46.8 37.7 56.5

54 57.1 45.7 68.5



#24

Nitrobenzene

Concen: 20.450 ng

RT: 7.463 min Scan# 896

Delta R.T. 0.000 min

Lab File: BF142791.D

Acq: 19 Jun 2025 18:39

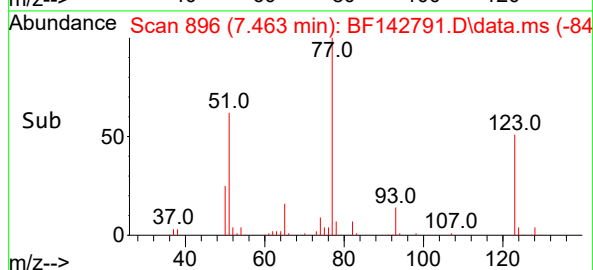
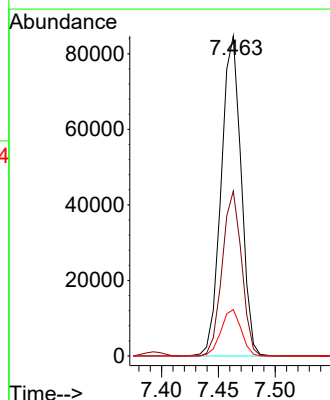
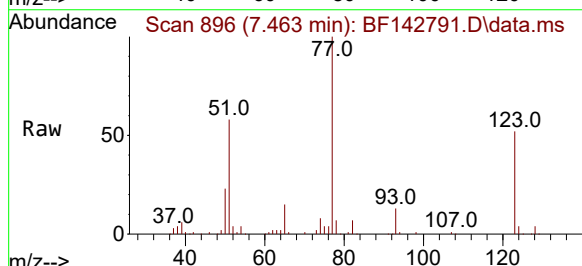
Tgt Ion: 77 Resp: 103569

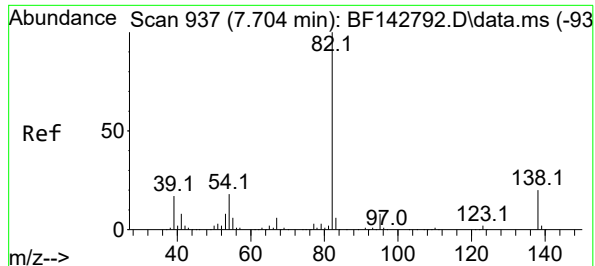
Ion Ratio Lower Upper

77 100

123 51.6 39.2 58.8

65 14.5 11.6 17.4

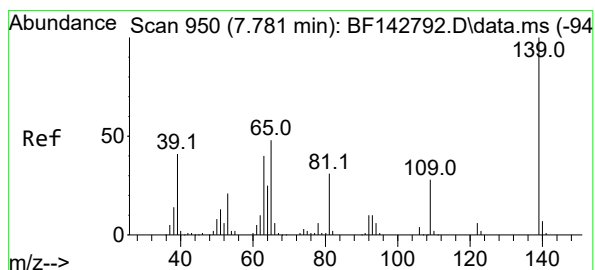
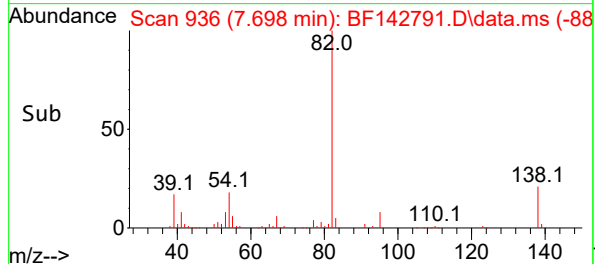
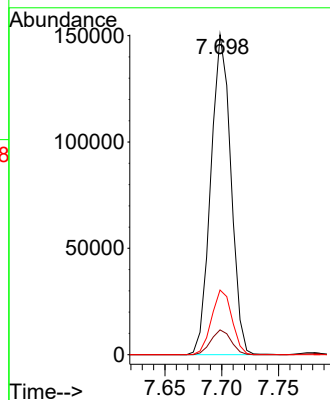
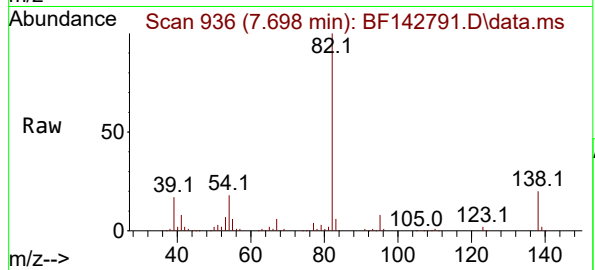




#25
Isophorone
Concen: 19.365 ng
RT: 7.698 min Scan# 91
Delta R.T. -0.006 min
Lab File: BF142791.D
Acq: 19 Jun 2025 18:39

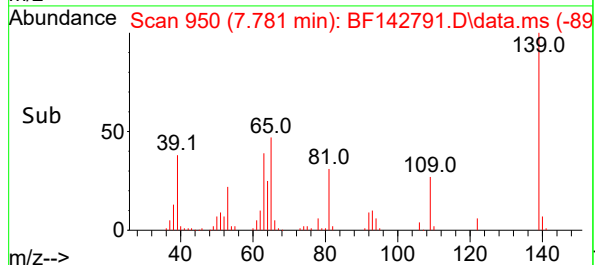
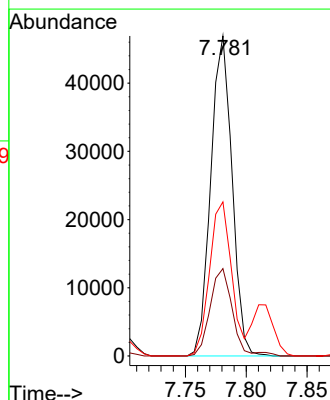
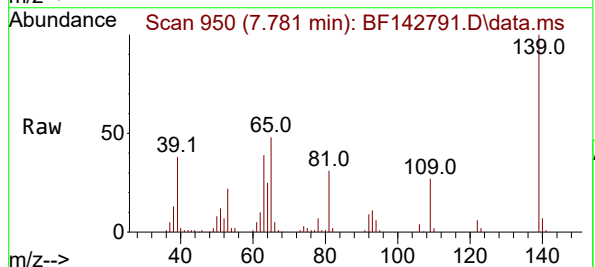
Instrument :
BNA_F
ClientSampleId :
SSTDICC020

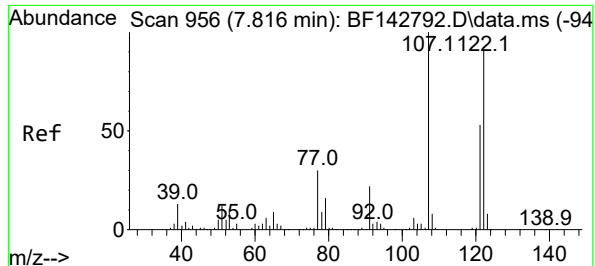
Tgt Ion: 82 Resp: 185071
Ion Ratio Lower Upper
82 100
95 7.8 6.2 9.2
138 20.2 16.2 24.4



#26
2-Nitrophenol
Concen: 20.191 ng
RT: 7.781 min Scan# 950
Delta R.T. 0.000 min
Lab File: BF142791.D
Acq: 19 Jun 2025 18:39

Tgt Ion: 139 Resp: 56979
Ion Ratio Lower Upper
139 100
109 27.3 22.7 34.1
65 48.2 38.6 58.0





#27

2,4-Dimethylphenol

Concen: 20.659 ng

RT: 7.816 min Scan# 91

Delta R.T. 0.000 min

Lab File: BF142791.D

Acq: 19 Jun 2025 18:39

Instrument :

BNA_F

ClientSampleId :

SSTDICC020

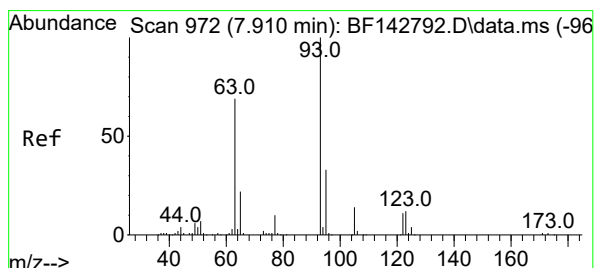
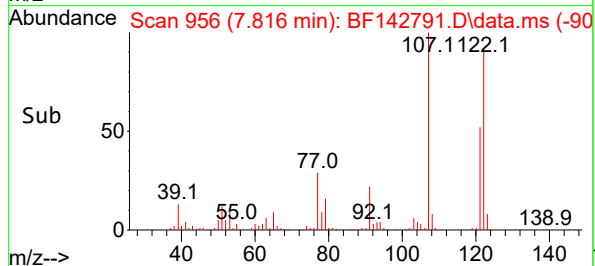
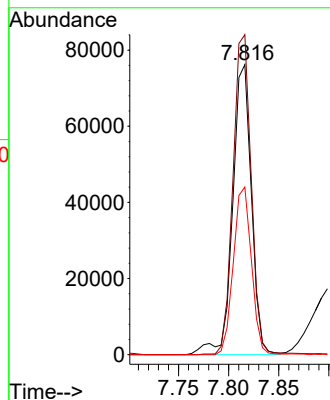
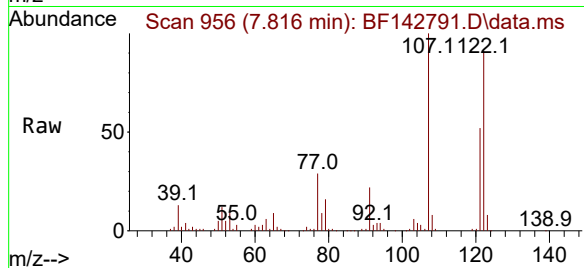
Tgt Ion:122 Resp: 99256

Ion Ratio Lower Upper

122 100

107 110.3 88.0 132.0

121 57.8 46.3 69.5



#28

bis(2-Chloroethoxy)methane

Concen: 20.087 ng

RT: 7.910 min Scan# 972

Delta R.T. 0.000 min

Lab File: BF142791.D

Acq: 19 Jun 2025 18:39

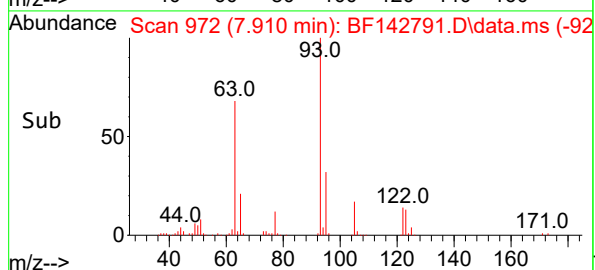
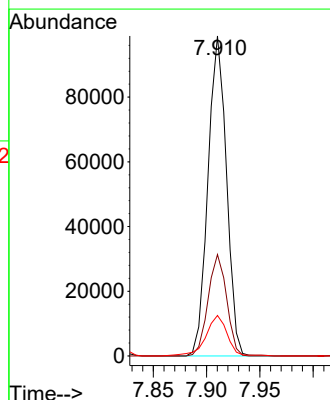
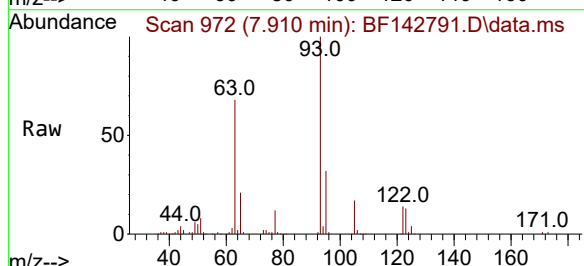
Tgt Ion: 93 Resp: 119505

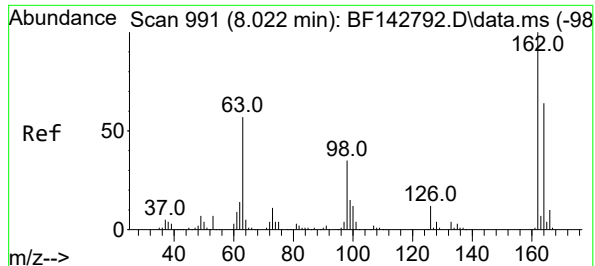
Ion Ratio Lower Upper

93 100

95 31.7 26.2 39.2

123 12.6 9.9 14.9





#29

2,4-Dichlorophenol

Concen: 20.437 ng

RT: 8.022 min Scan# 991

Delta R.T. 0.000 min

Lab File: BF142791.D

Acq: 19 Jun 2025 18:39

Instrument :

BNA_F

ClientSampleId :

SSTDICC020

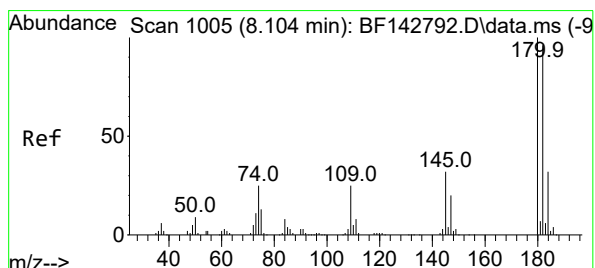
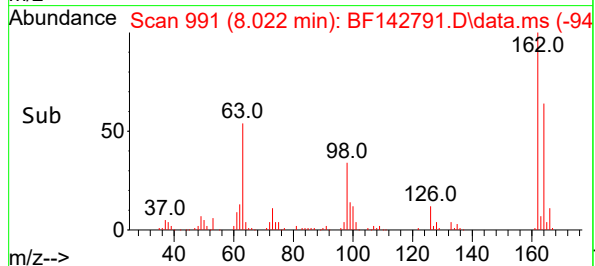
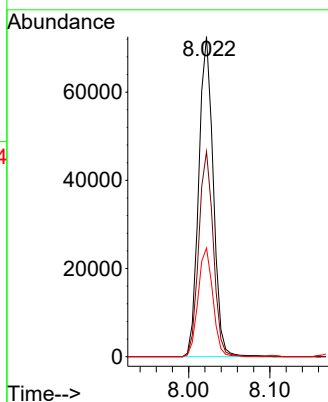
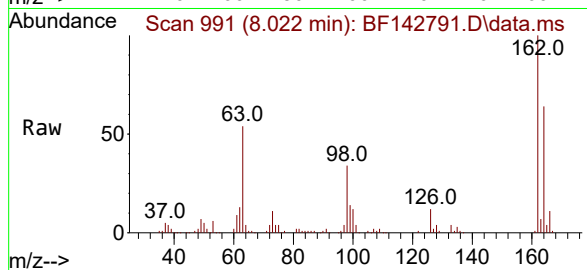
Tgt Ion:162 Resp: 90497

Ion Ratio Lower Upper

162 100

164 64.1 44.0 84.0

98 33.9 15.4 55.4



#30

1,2,4-Trichlorobenzene

Concen: 20.304 ng

RT: 8.104 min Scan# 1005

Delta R.T. 0.000 min

Lab File: BF142791.D

Acq: 19 Jun 2025 18:39

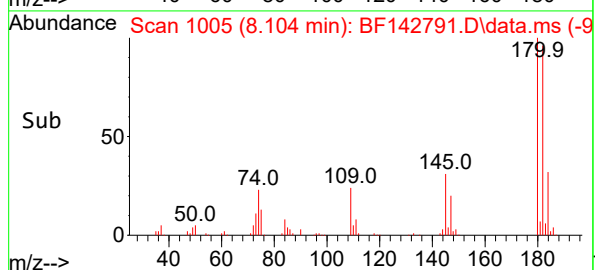
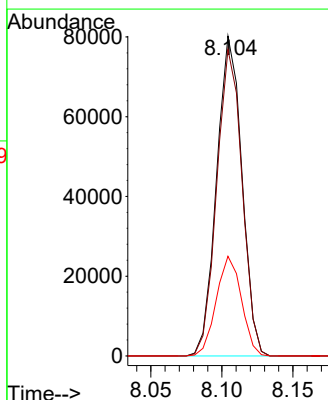
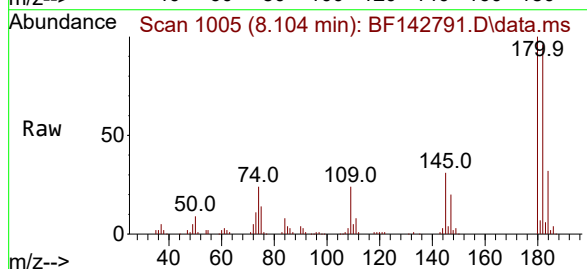
Tgt Ion:180 Resp: 99320

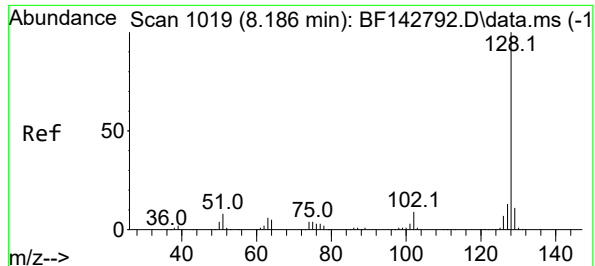
Ion Ratio Lower Upper

180 100

182 95.8 76.4 114.6

145 31.2 25.8 38.8





#31

Naphthalene

Concen: 20.405 ng

RT: 8.187 min Scan# 1019

Delta R.T. 0.000 min

Lab File: BF142791.D

Acq: 19 Jun 2025 18:39

Instrument :

BNA_F

ClientSampleId :

SSTDICC020

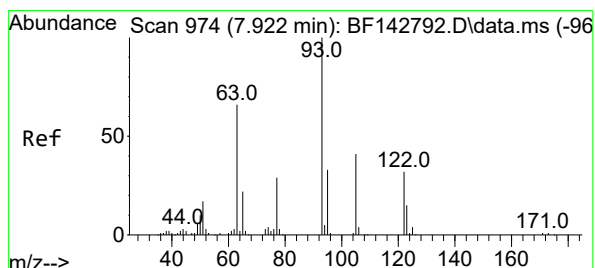
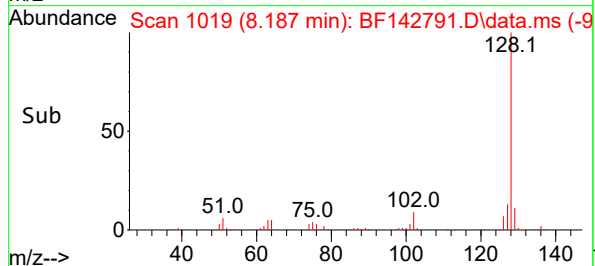
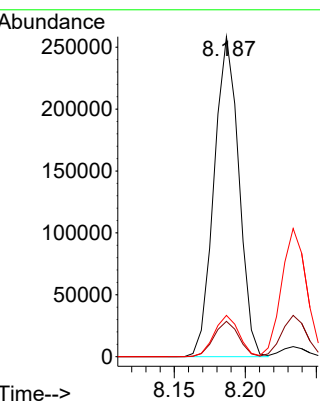
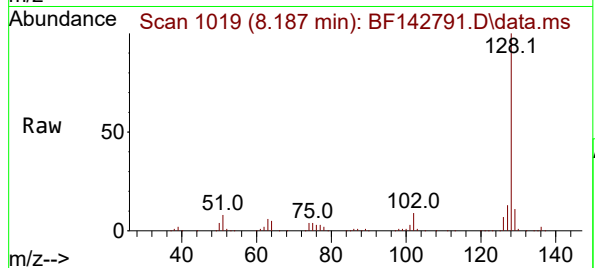
Tgt Ion:128 Resp: 313467

Ion Ratio Lower Upper

128 100

129 11.1 8.9 13.3

127 12.9 10.4 15.6



#32

Benzoic acid

Concen: 17.245 ng

RT: 7.898 min Scan# 970

Delta R.T. -0.023 min

Lab File: BF142791.D

Acq: 19 Jun 2025 18:39

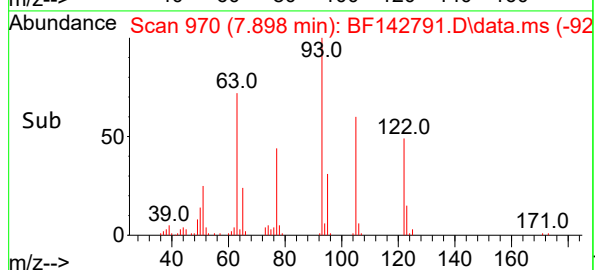
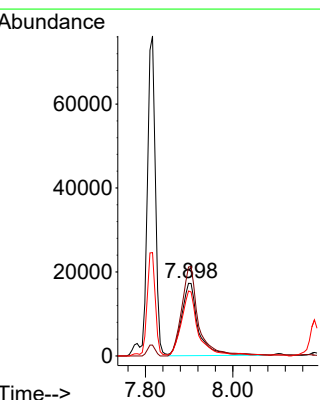
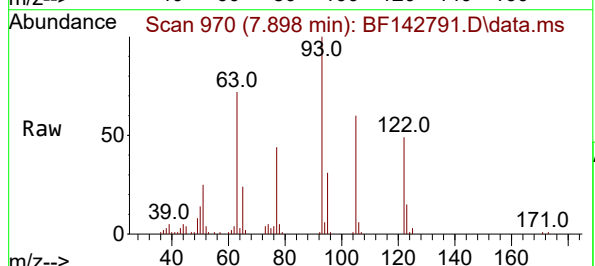
Tgt Ion:122 Resp: 45969

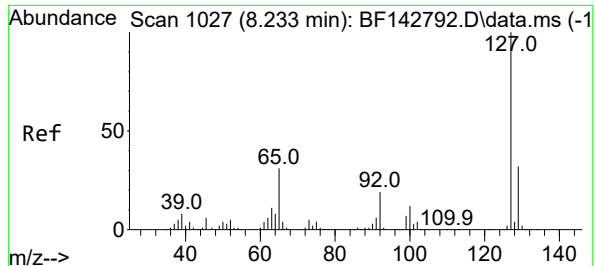
Ion Ratio Lower Upper

122 100

105 122.5 104.7 144.7

77 89.4 70.2 110.2





#33

4-Chloroaniline

Concen: 20.729 ng

RT: 8.234 min Scan# 1027

Delta R.T. 0.000 min

Lab File: BF142791.D

Acq: 19 Jun 2025 18:39

Instrument :

BNA_F

ClientSampleId :

SSTDICC020

Tgt Ion:127 Resp: 127623

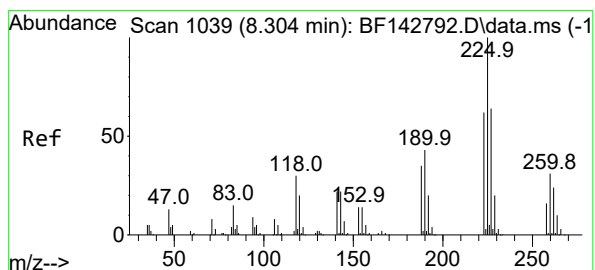
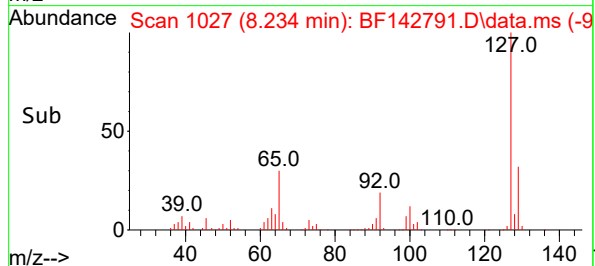
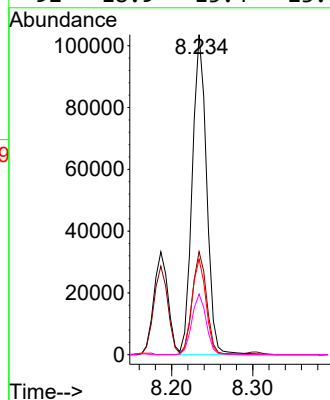
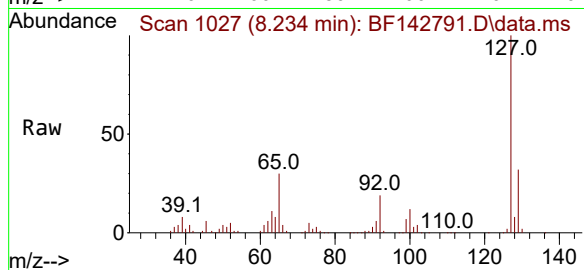
Ion Ratio Lower Upper

127 100

129 32.2 25.9 38.9

65 29.8 24.6 36.8

92 18.9 15.4 23.0



#34

Hexachlorobutadiene

Concen: 20.001 ng

RT: 8.304 min Scan# 1039

Delta R.T. 0.000 min

Lab File: BF142791.D

Acq: 19 Jun 2025 18:39

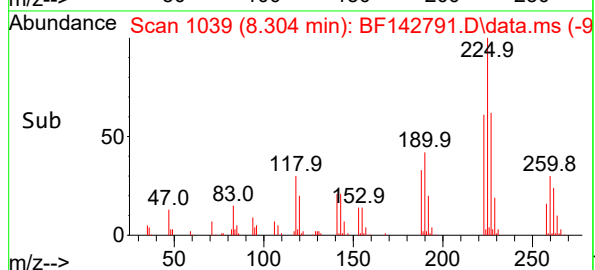
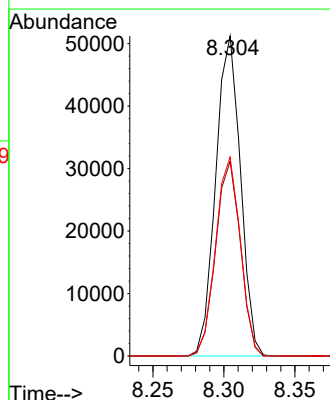
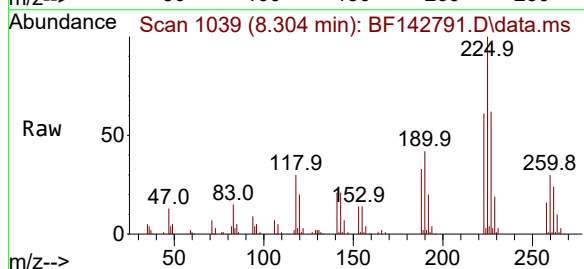
Tgt Ion:225 Resp: 61994

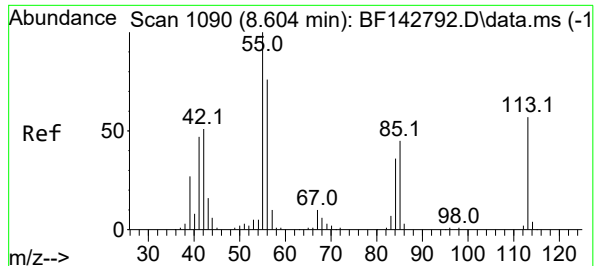
Ion Ratio Lower Upper

225 100

223 60.8 49.9 74.9

227 62.2 51.4 77.0





#35

Caprolactam

Concen: 19.769 ng

RT: 8.587 min Scan# 1108

Delta R.T. -0.017 min

Lab File: BF142791.D

Acq: 19 Jun 2025 18:39

Instrument :

BNA_F

ClientSampleId :

SSTDICC020

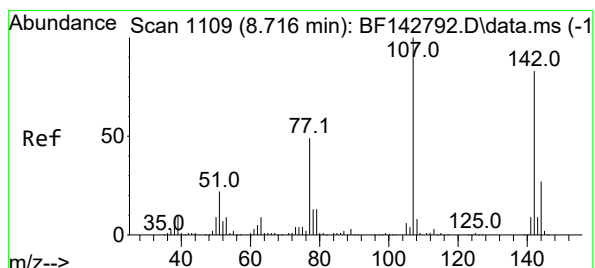
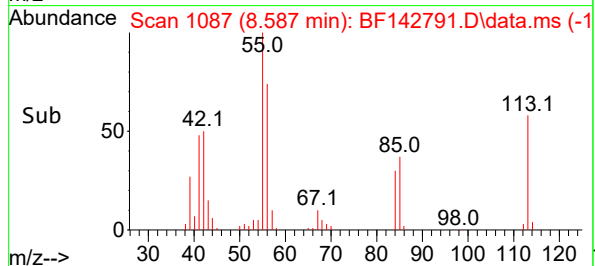
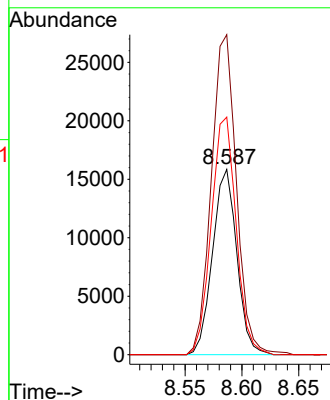
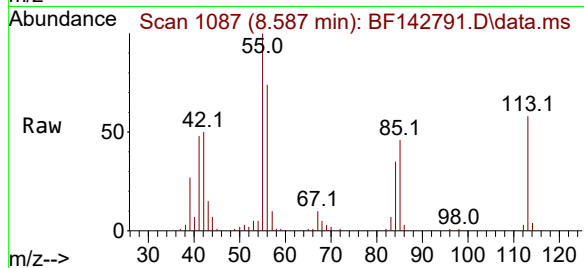
Tgt Ion:113 Resp: 23555

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

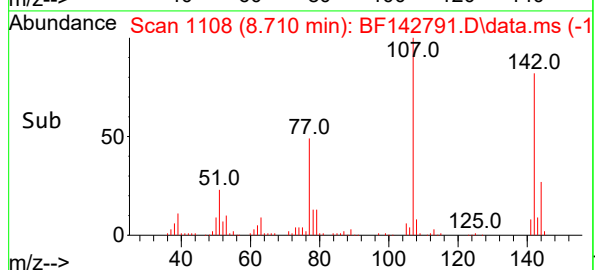
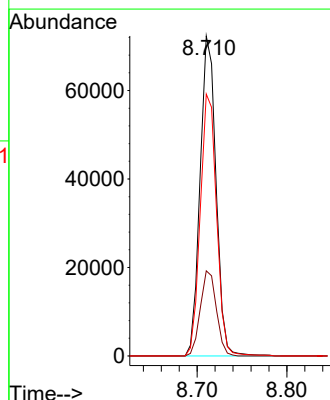
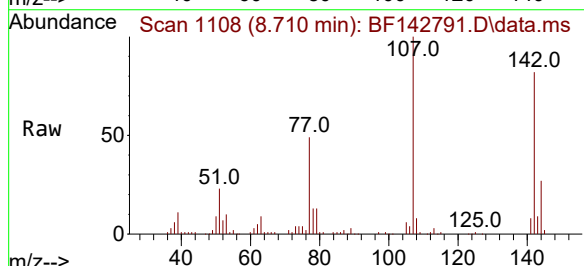
Tgt Ion:107 Resp: 89279

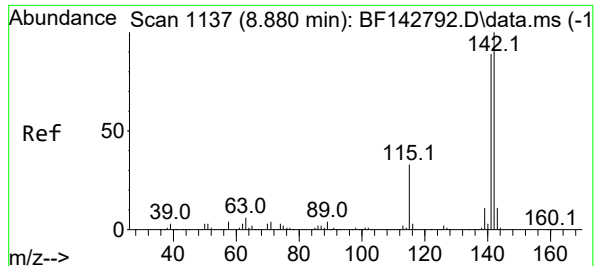
Ion Ratio Lower Upper

107 100

144 26.6 21.3 31.9

142 81.8 66.6 100.0

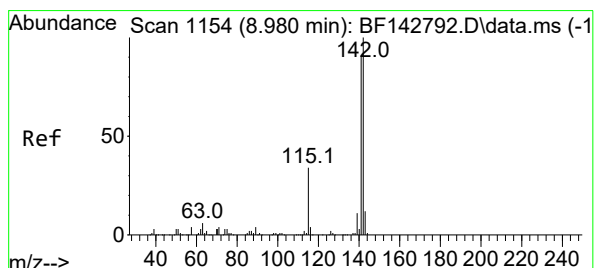
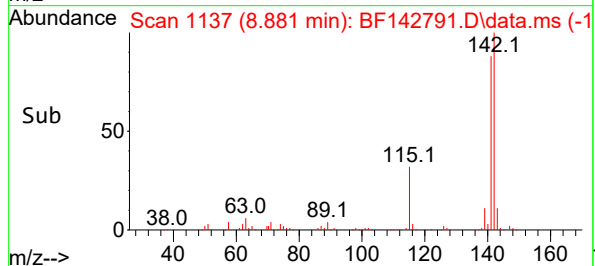
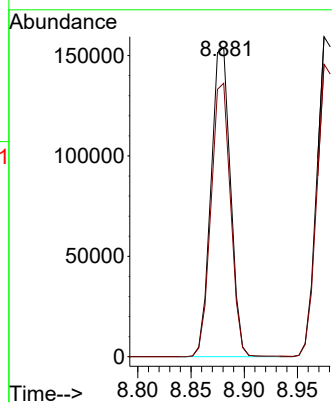
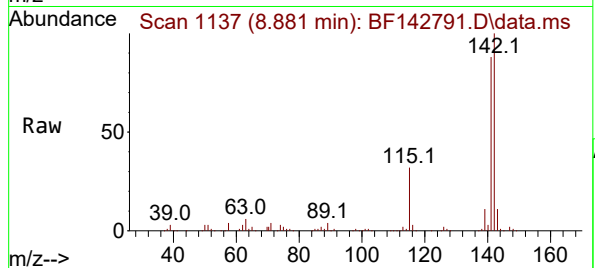




#37
2-Methylnaphthalene
Concen: 20.287 ng
RT: 8.881 min Scan# 1137
Delta R.T. 0.000 min
Lab File: BF142791.D
Acq: 19 Jun 2025 18:39

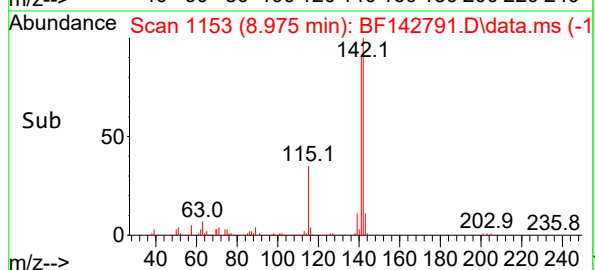
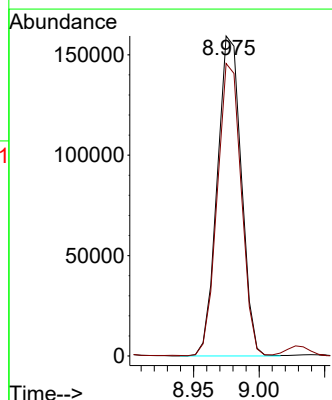
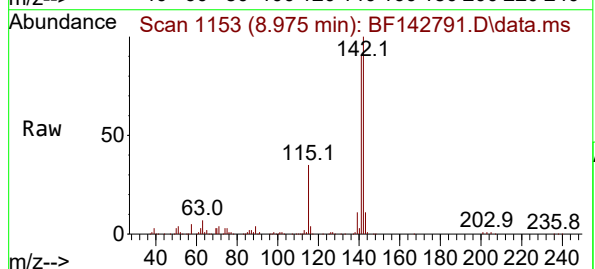
Instrument :
BNA_F
ClientSampleId :
SSTDICC020

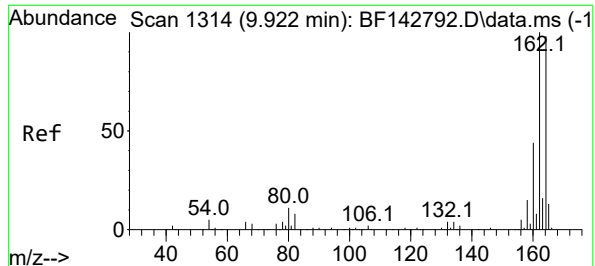
Tgt Ion:142 Resp: 196609
Ion Ratio Lower Upper
142 100
141 88.5 70.9 106.3



#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

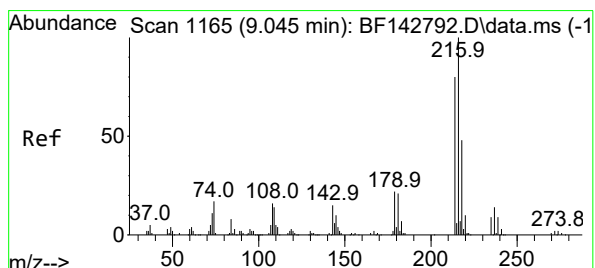
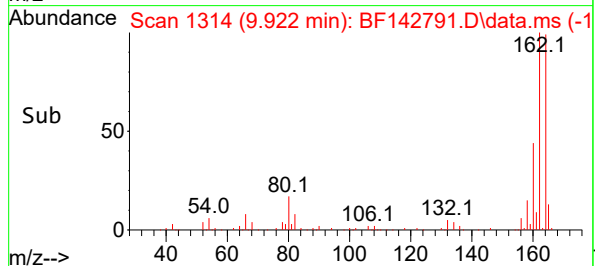
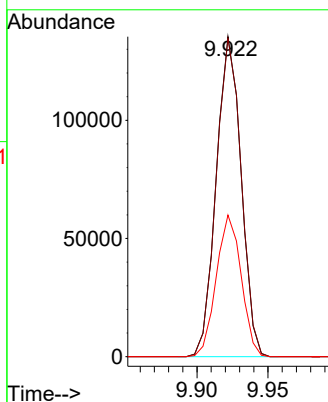
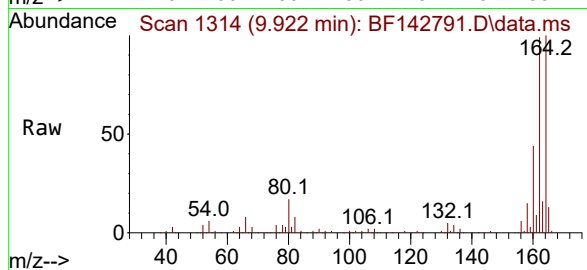
Tgt Ion:164 Resp: 164603

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

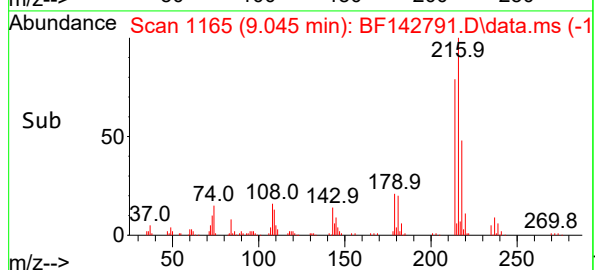
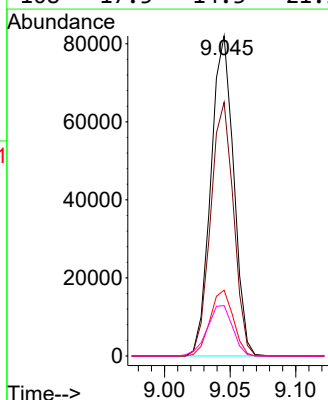
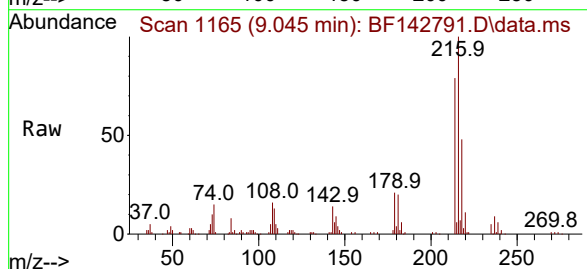
Ion Ratio Lower Upper

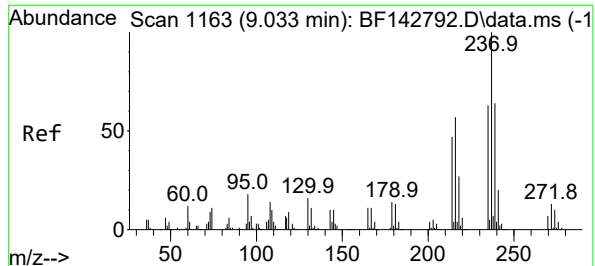
216 100

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# 1162

Delta R.T. -0.006 min

Lab File: BF142791.D

Acq: 19 Jun 2025 18:39

Instrument :

BNA_F

ClientSampleId :

SSTDICC020

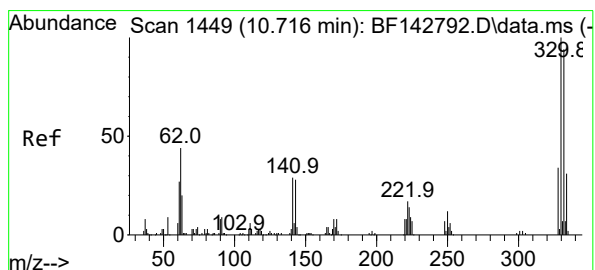
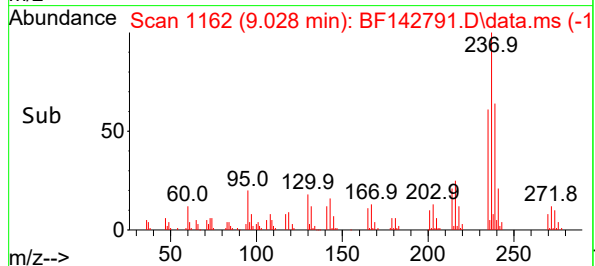
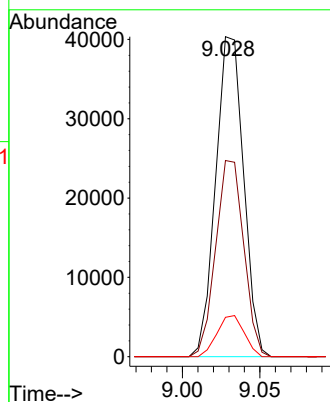
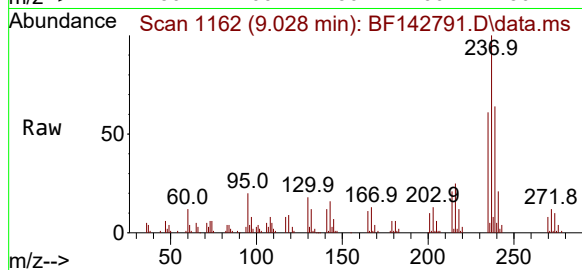
Tgt Ion:237 Resp: 50669

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

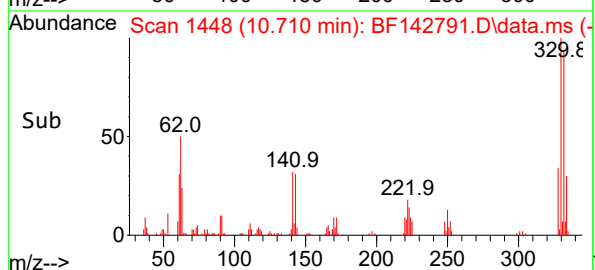
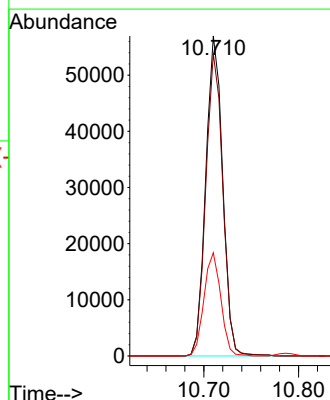
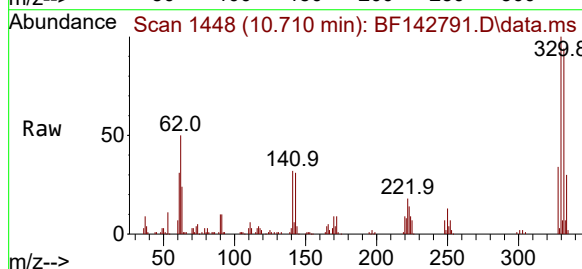
Tgt Ion:330 Resp: 70502

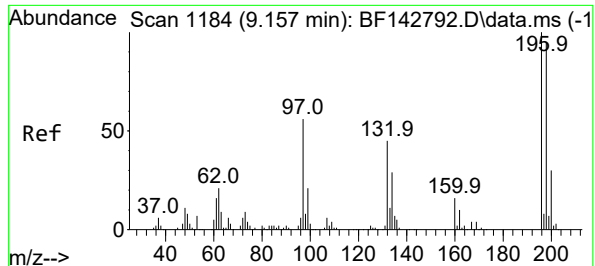
Ion Ratio Lower Upper

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

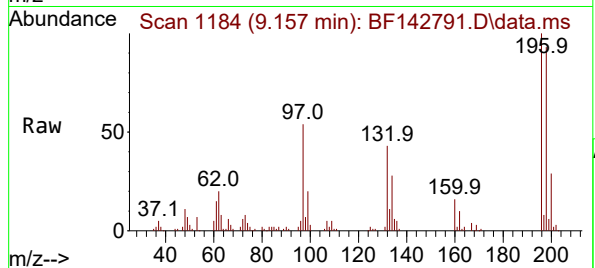
Acq: 19 Jun 2025 18:39

Instrument :

BNA_F

ClientSampleId :

SSTDICC020



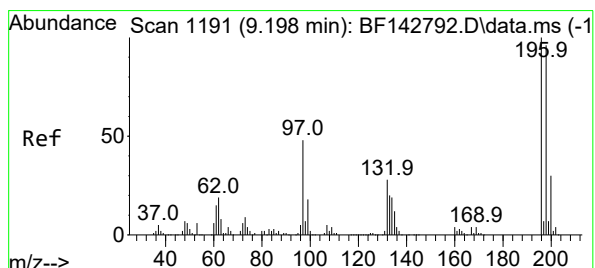
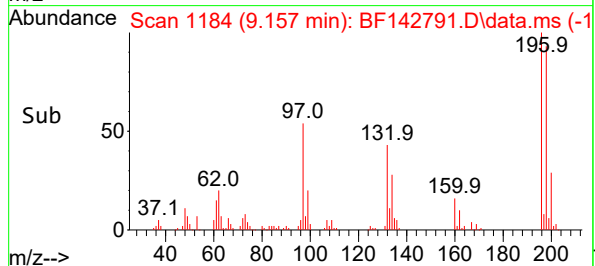
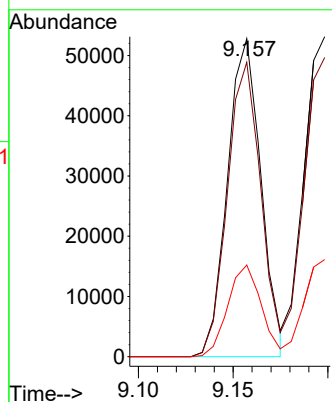
Tgt Ion:196 Resp: 64786

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

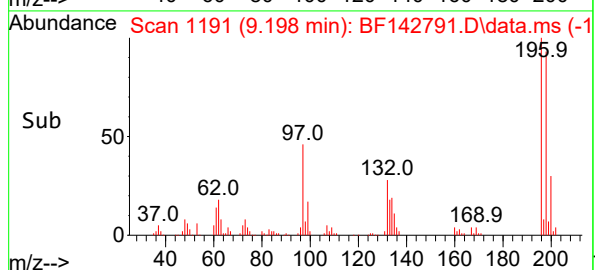
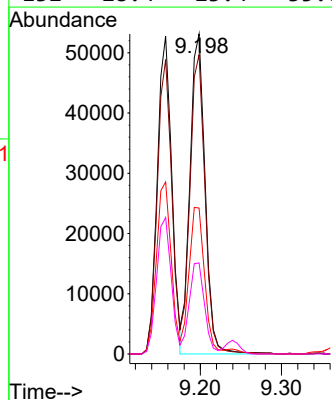
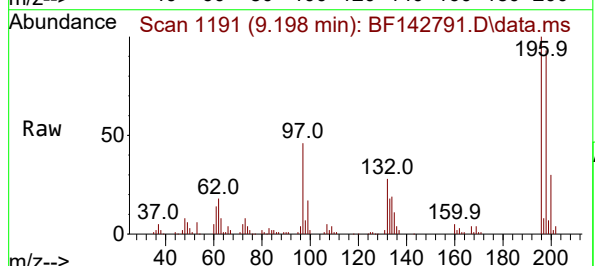
Ion Ratio Lower Upper

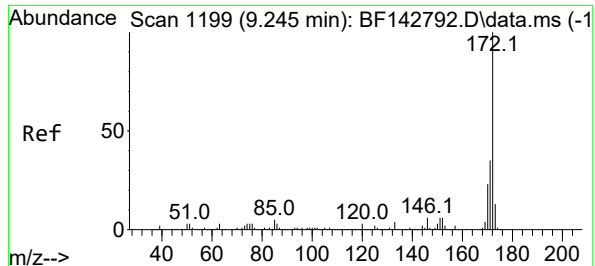
196 100

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

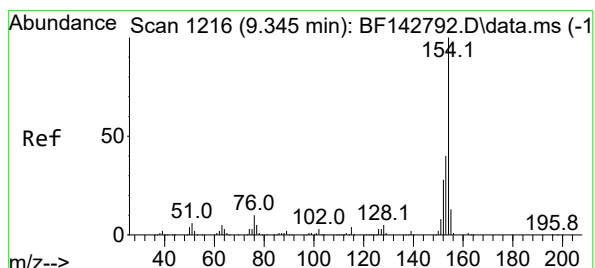
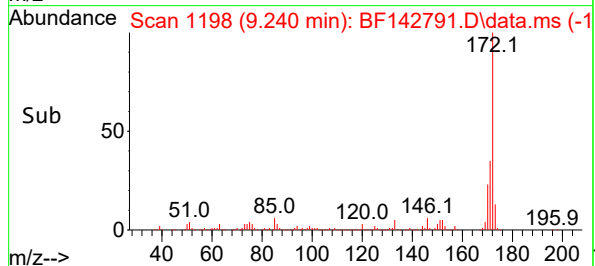
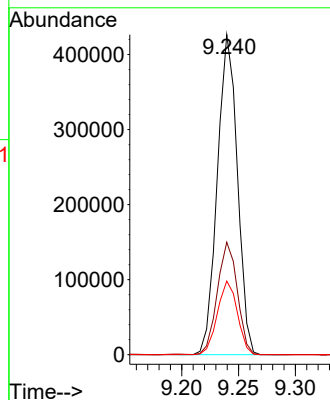
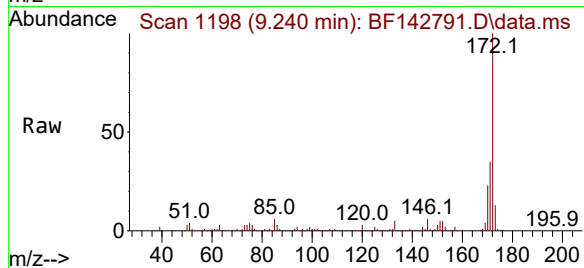
Tgt Ion:172 Resp: 524084

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

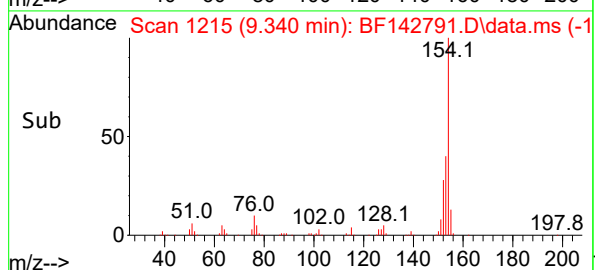
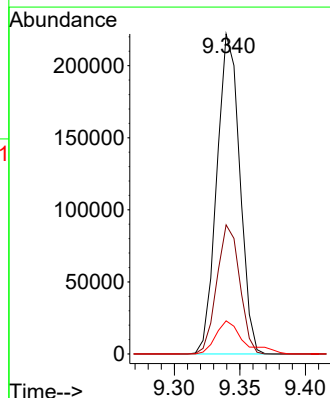
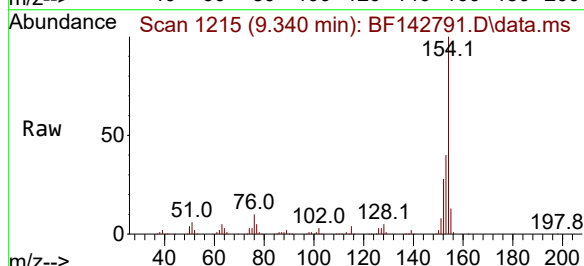
Tgt Ion:154 Resp: 269396

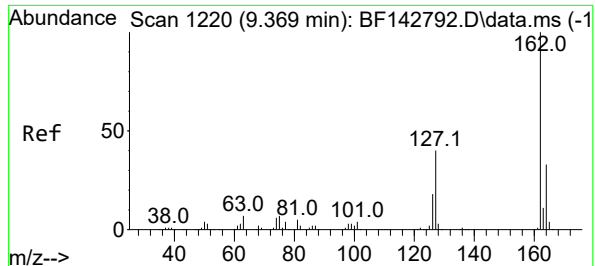
Ion Ratio Lower Upper

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

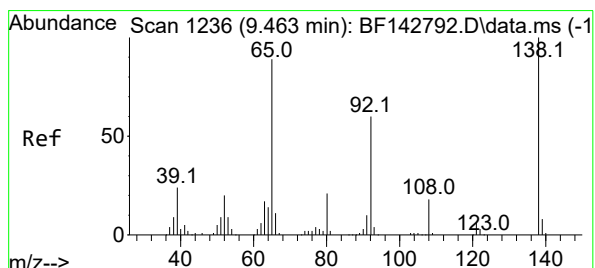
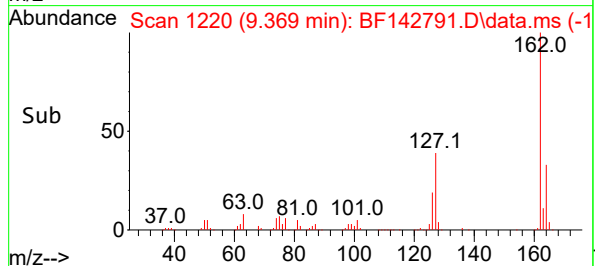
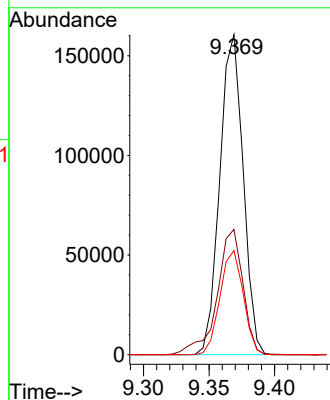
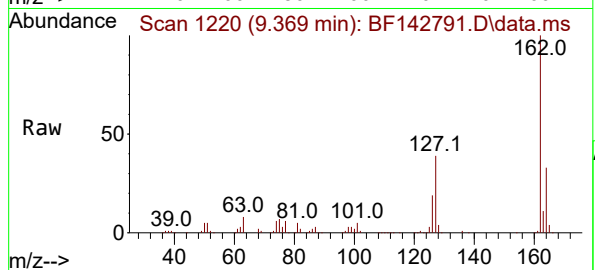
Tgt Ion:162 Resp: 198874

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

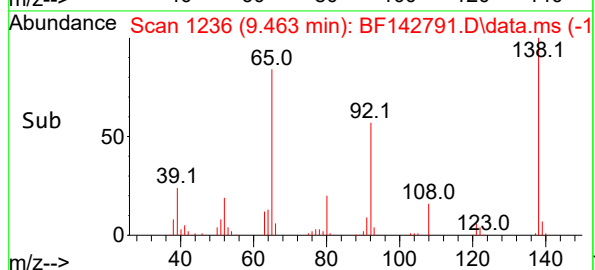
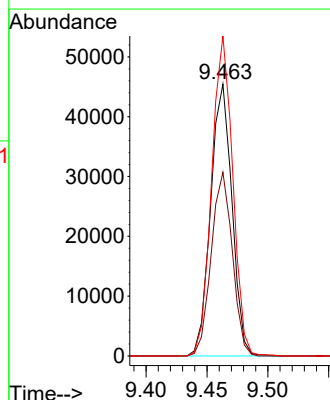
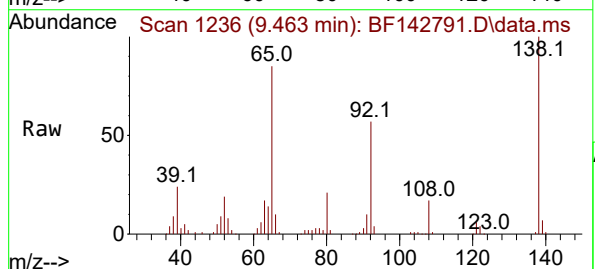
Tgt Ion: 65 Resp: 55412

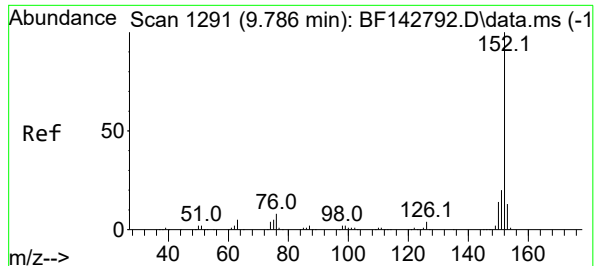
Ion Ratio Lower Upper

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

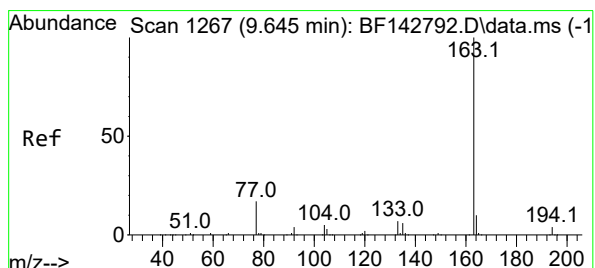
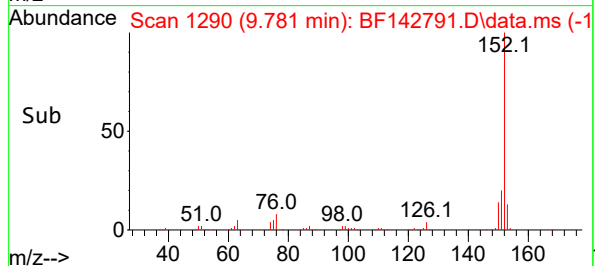
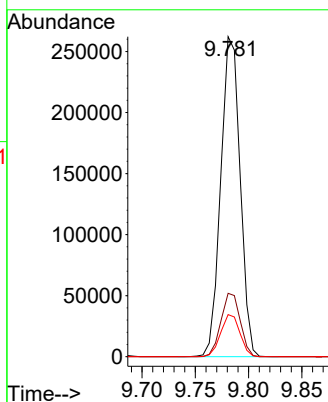
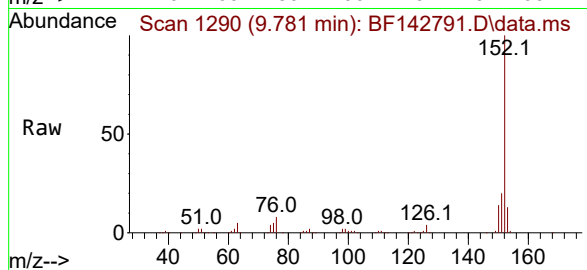
Tgt Ion:152 Resp: 331018

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

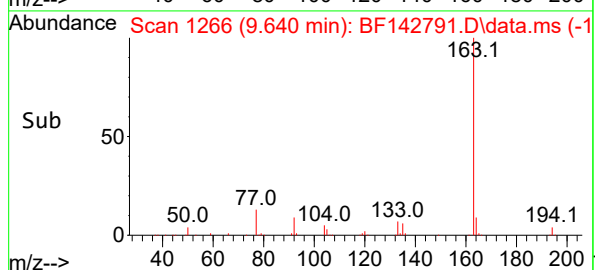
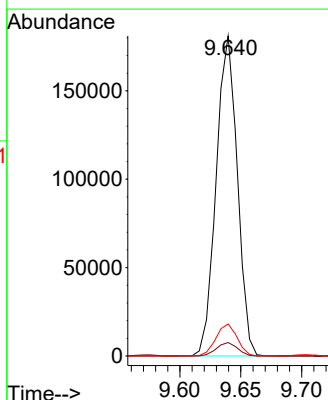
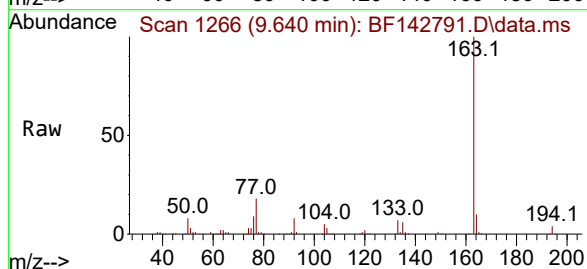
Tgt Ion:163 Resp: 218901

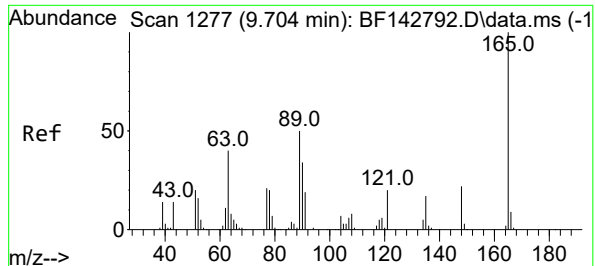
Ion Ratio Lower Upper

163 100

194 4.2 3.3 4.9

164 10.0 8.0 12.0

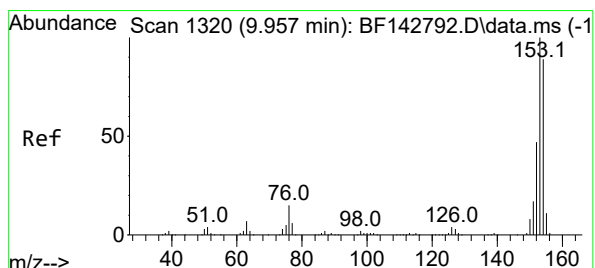
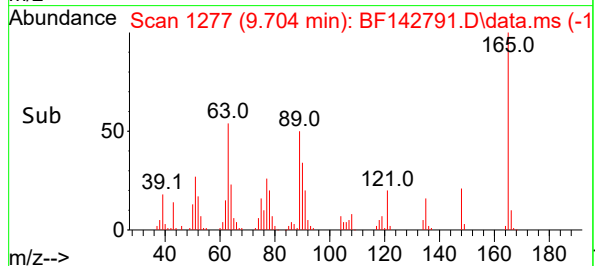
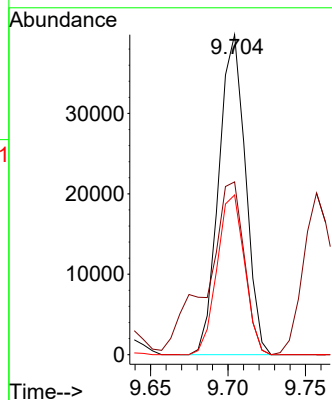
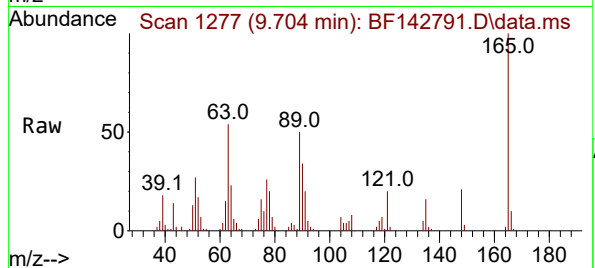




#51
2,6-Dinitrotoluene
Concen: 20.156 ng
RT: 9.704 min Scan# 1277
Delta R.T. 0.000 min
Lab File: BF142791.D
Acq: 19 Jun 2025 18:39

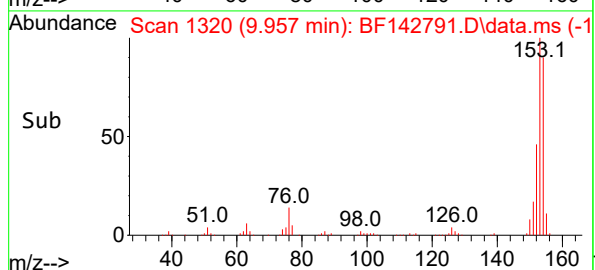
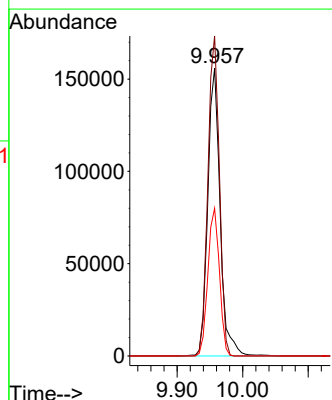
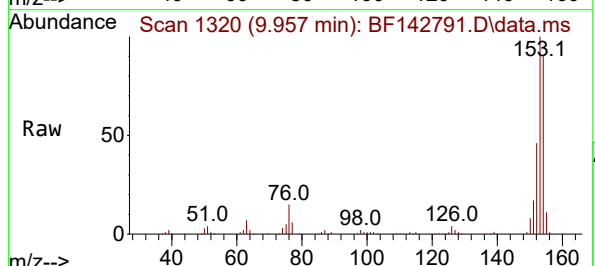
Instrument :
BNA_F
ClientSampleId :
SSTDICC020

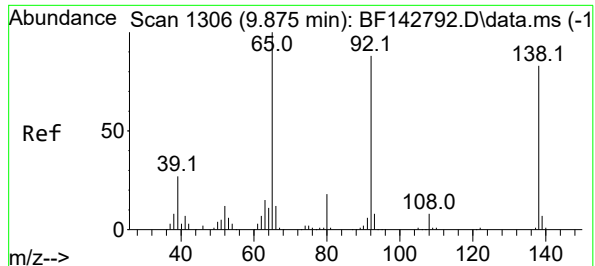
Tgt Ion	Ratio	Lower	Upper
165	100		
63	54.0	44.2	66.4
89	49.9	39.8	59.8



#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	Ratio	Lower	Upper
154	100		
153	111.2	90.0	135.0
152	51.3	41.9	62.9





#53

3-Nitroaniline

Concen: 20.261 ng

RT: 9.875 min Scan# 1306

Delta R.T. 0.000 min

Lab File: BF142791.D

Acq: 19 Jun 2025 18:39

Instrument :

BNA_F

ClientSampleId :

SSTDICC020

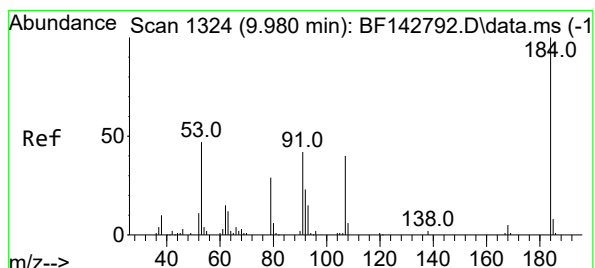
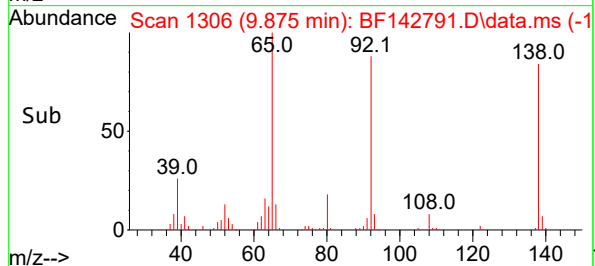
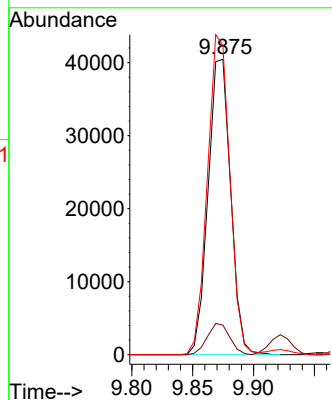
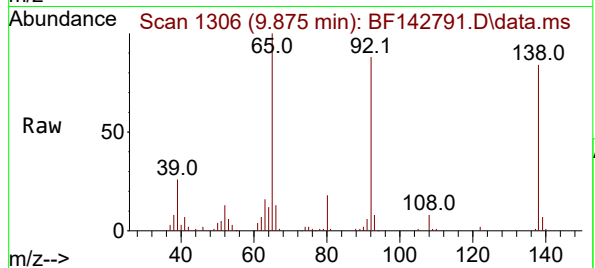
Tgt Ion:138 Resp: 52088

Ion Ratio Lower Upper

138 100

108 10.0 8.1 12.1

92 104.7 85.1 127.7



#54

2,4-Dinitrophenol

Concen: 16.576 ng

RT: 9.981 min Scan# 1324

Delta R.T. 0.000 min

Lab File: BF142791.D

Acq: 19 Jun 2025 18:39

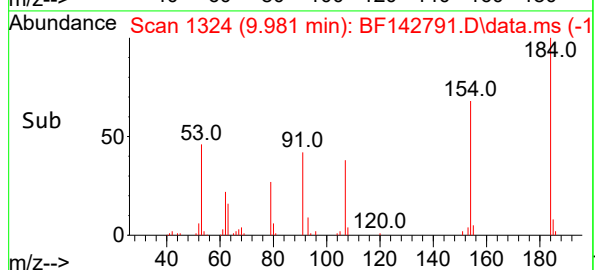
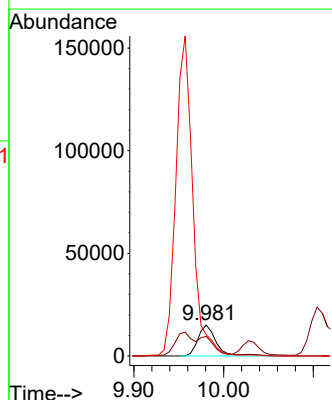
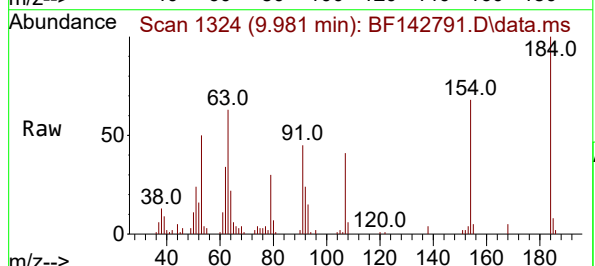
Tgt Ion:184 Resp: 21231

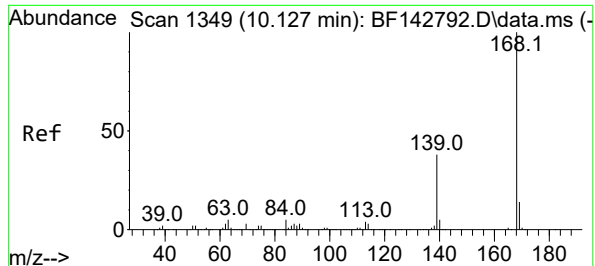
Ion Ratio Lower Upper

184 100

63 62.9 50.6 75.8

154 68.5 51.8 77.8

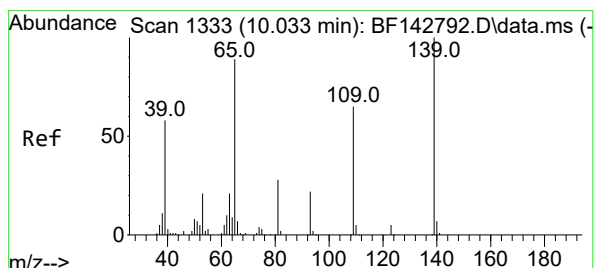
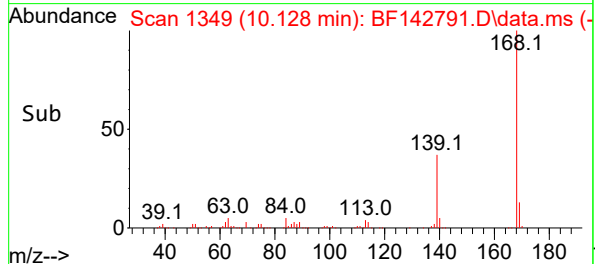
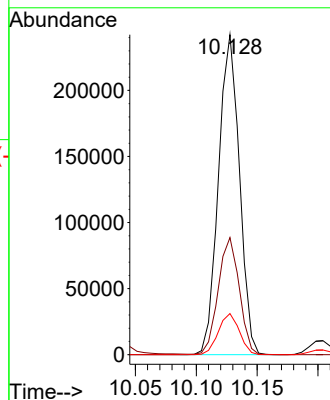
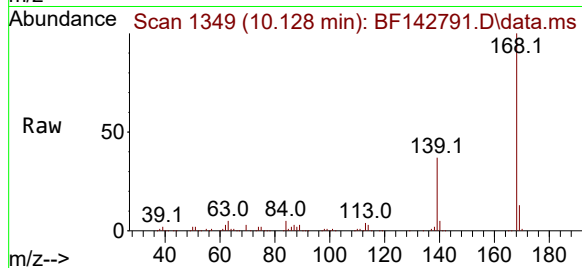




#55
Dibenzofuran
Concen: 20.736 ng
RT: 10.128 min Scan# 11
Delta R.T. 0.000 min
Lab File: BF142791.D
Acq: 19 Jun 2025 18:39

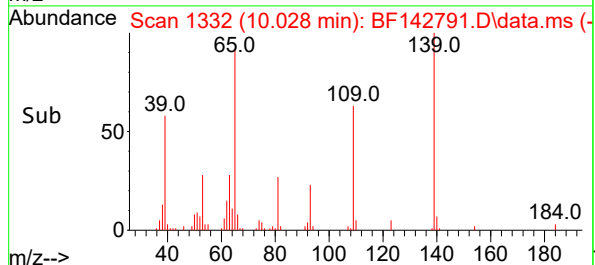
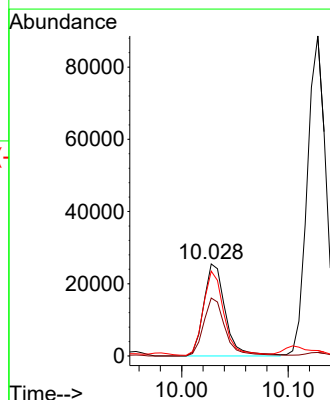
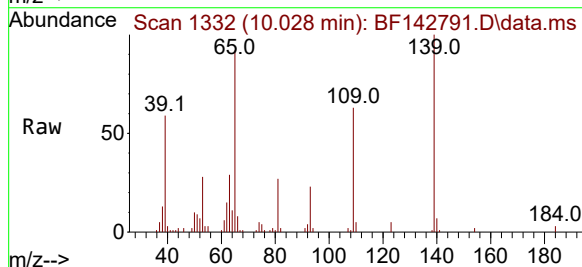
Instrument :
BNA_F
ClientSampleId :
SSTDICC020

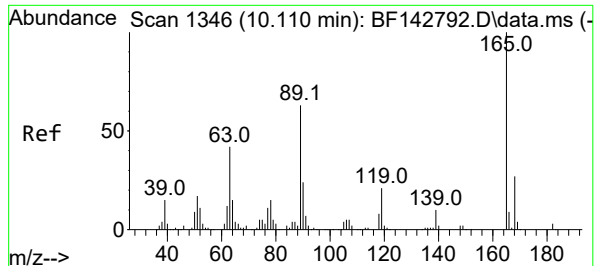
Tgt Ion:168 Resp: 290254
Ion Ratio Lower Upper
168 100
139 36.6 30.2 45.4
169 12.8 10.8 16.2



#56
4-Nitrophenol
Concen: 20.593 ng
RT: 10.028 min Scan# 1332
Delta R.T. -0.006 min
Lab File: BF142791.D
Acq: 19 Jun 2025 18:39

Tgt Ion:139 Resp: 35937
Ion Ratio Lower Upper
139 100
109 62.9 44.7 84.7
65 92.2 69.8 109.8

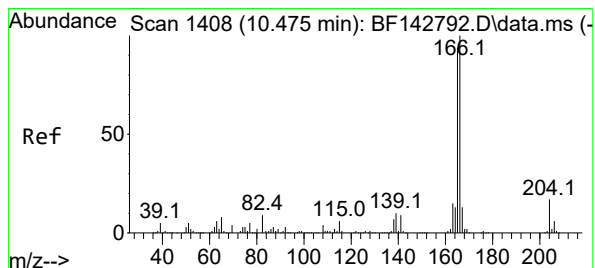
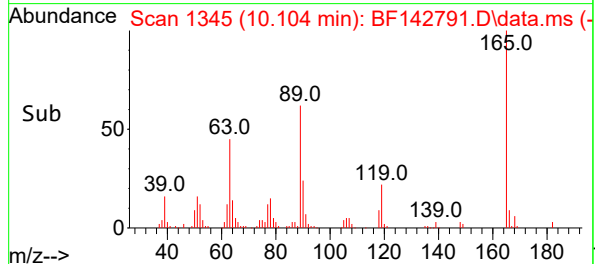
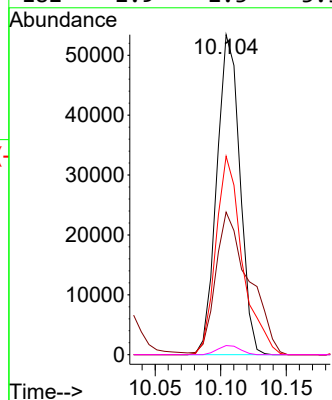
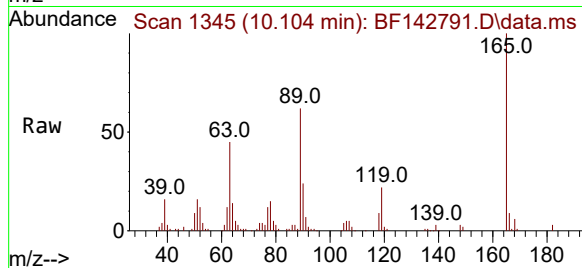




#57
2,4-Dinitrotoluene
Concen: 20.887 ng
RT: 10.104 min Scan# 11
Delta R.T. -0.006 min
Lab File: BF142791.D
Acq: 19 Jun 2025 18:39

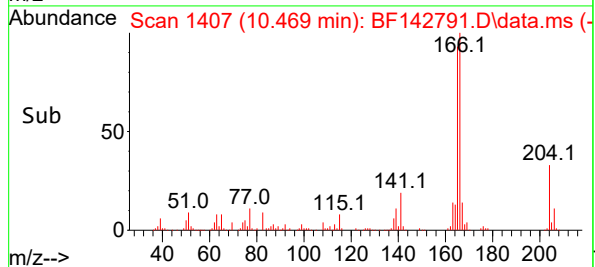
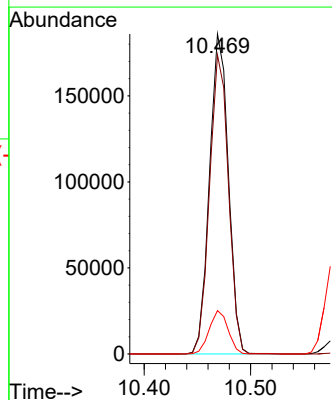
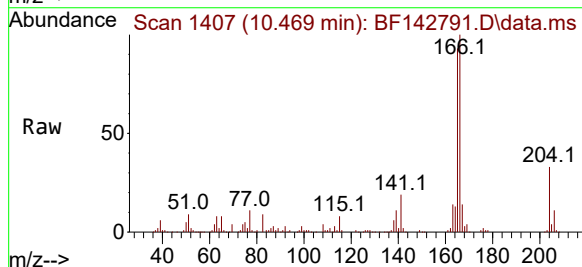
Instrument :
BNA_F
ClientSampleId :
SSTDICC020

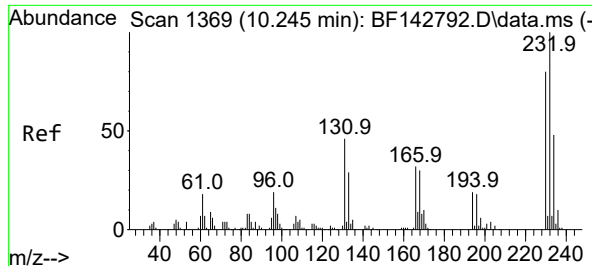
Tgt Ion:165 Resp: 65367
Ion Ratio Lower Upper
165 100
63 44.5 33.9 50.9
89 62.0 50.6 75.8
182 2.9 2.3 3.5



#58
Fluorene
Concen: 20.780 ng
RT: 10.469 min Scan# 1407
Delta R.T. -0.006 min
Lab File: BF142791.D
Acq: 19 Jun 2025 18:39

Tgt Ion:166 Resp: 229569
Ion Ratio Lower Upper
166 100
165 93.5 75.2 112.8
167 13.5 10.6 15.8

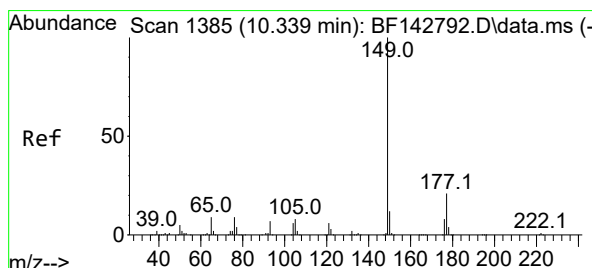
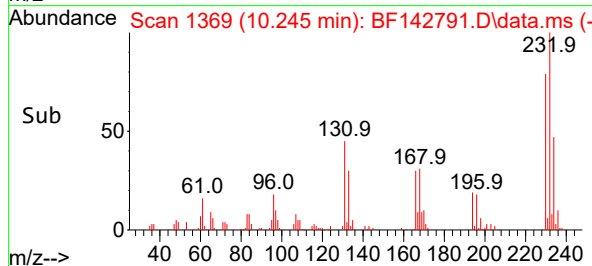
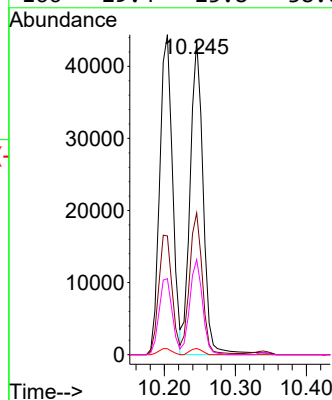
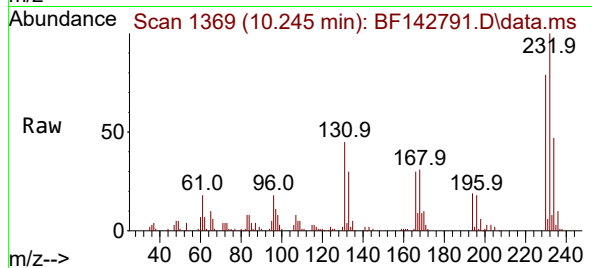




#59
2,3,4,6-Tetrachlorophenol
Concen: 20.042 ng
RT: 10.245 min Scan# 1369
Delta R.T. 0.000 min
Lab File: BF142791.D
Acq: 19 Jun 2025 18:39

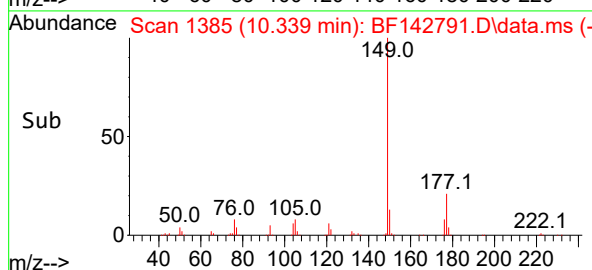
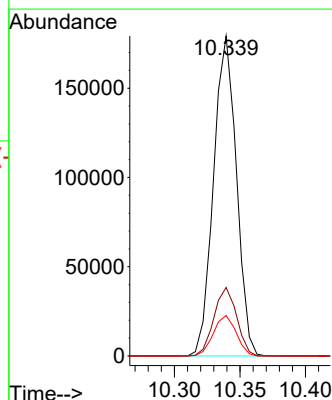
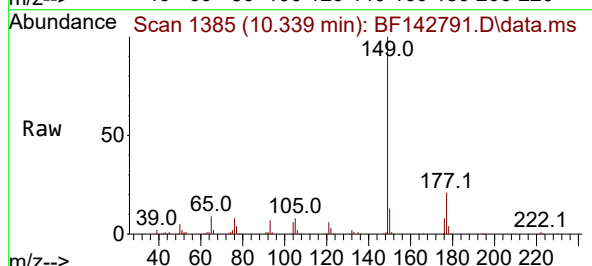
Instrument :
BNA_F
ClientSampleId :
SSTDICC020

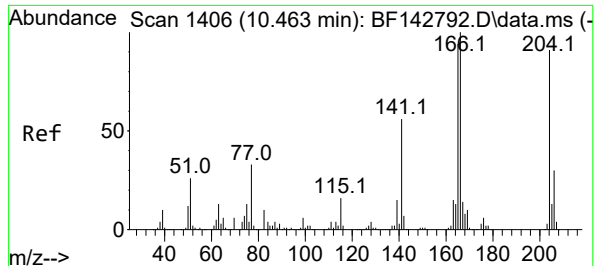
Tgt Ion:232 Resp: 55799
Ion Ratio Lower Upper
232 100
131 44.3 37.6 56.4
130 1.8 1.7 2.5
166 29.4 25.8 38.6



#60
Diethylphthalate
Concen: 20.020 ng
RT: 10.339 min Scan# 1385
Delta R.T. 0.000 min
Lab File: BF142791.D
Acq: 19 Jun 2025 18:39

Tgt Ion:149 Resp: 217133
Ion Ratio Lower Upper
149 100
177 21.4 17.0 25.6
150 12.6 9.8 14.6

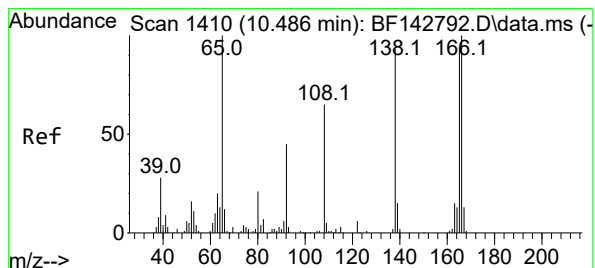
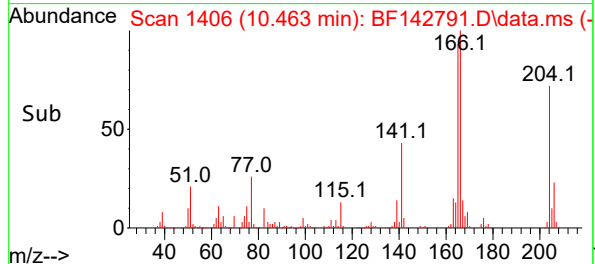
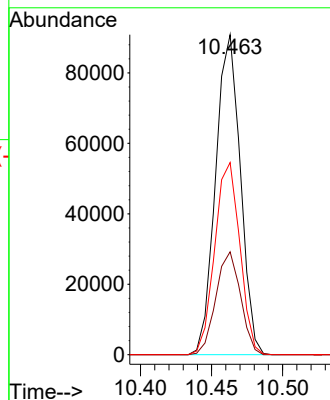
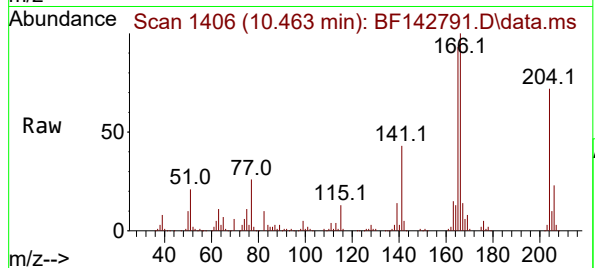




#61
4-Chlorophenyl-phenylether
Concen: 20.526 ng
RT: 10.463 min Scan# 1406
Delta R.T. 0.000 min
Lab File: BF142791.D
Acq: 19 Jun 2025 18:39

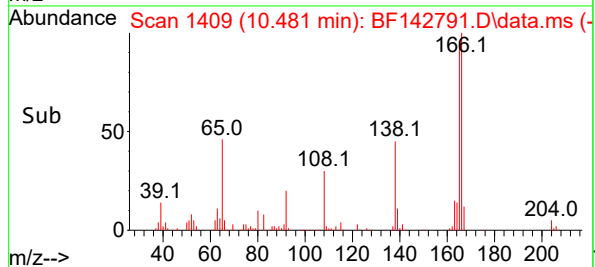
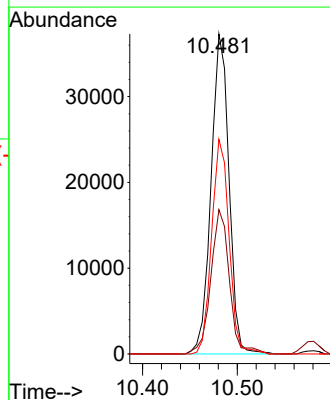
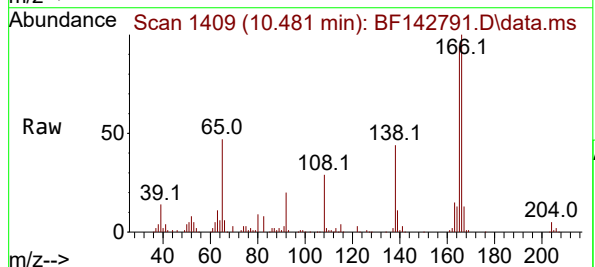
Instrument :
BNA_F
ClientSampleId :
SSTDICC020

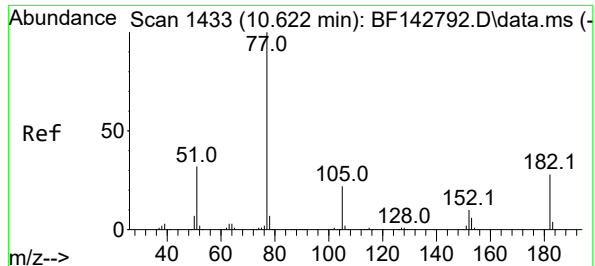
Tgt Ion:204 Resp: 110133
Ion Ratio Lower Upper
204 100
206 32.1 26.3 39.5
141 60.1 49.1 73.7



#62
4-Nitroaniline
Concen: 21.208 ng
RT: 10.481 min Scan# 1409
Delta R.T. -0.006 min
Lab File: BF142791.D
Acq: 19 Jun 2025 18:39

Tgt Ion:138 Resp: 48947
Ion Ratio Lower Upper
138 100
92 45.1 28.4 68.4
108 67.1 50.2 90.2

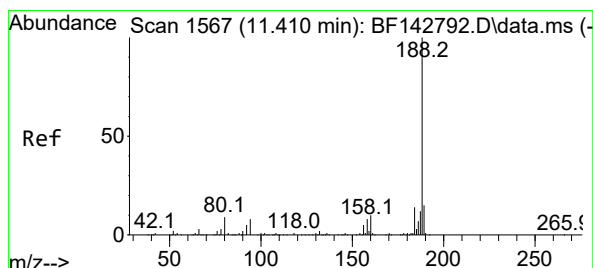
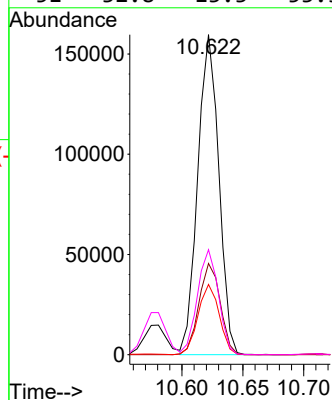
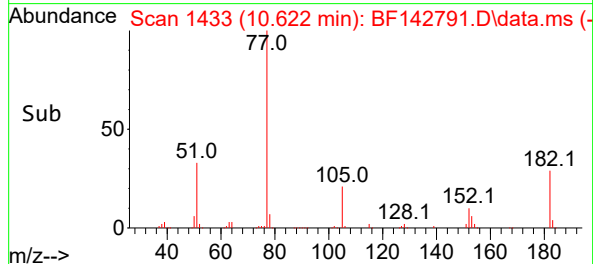
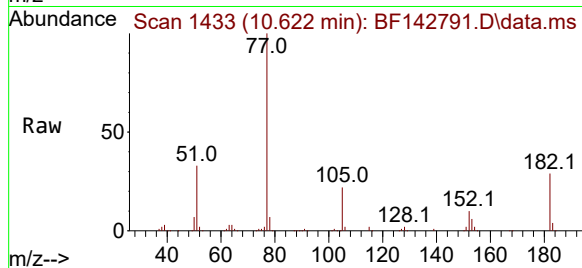




#63
Azobenzene
Concen: 20.263 ng
RT: 10.622 min Scan# 1433
Delta R.T. 0.000 min
Lab File: BF142791.D
Acq: 19 Jun 2025 18:39

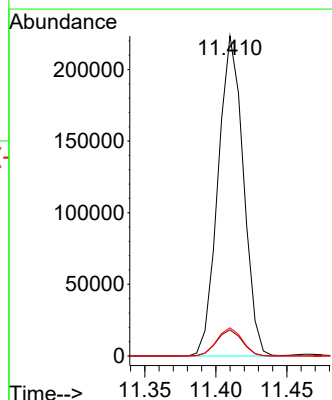
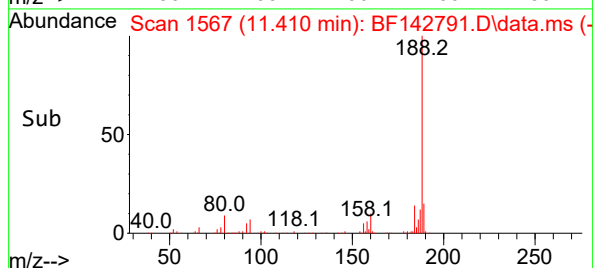
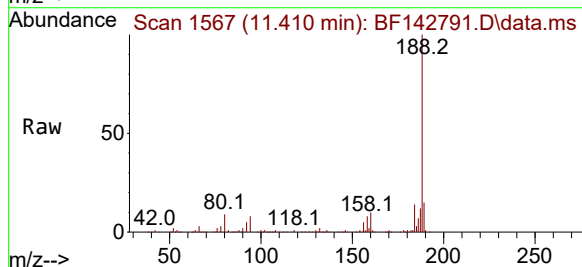
Instrument :
BNA_F
ClientSampleId :
SSTDICC020

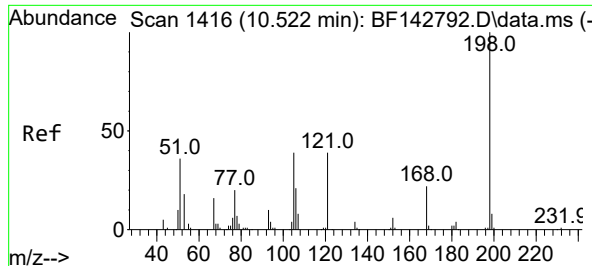
Tgt Ion	Ratio	Lower	Upper
77	100		
182	28.5	7.7	47.7
105	22.0	1.9	41.9
51	32.8	13.3	53.3



#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.410 min Scan# 1567
Delta R.T. 0.000 min
Lab File: BF142791.D
Acq: 19 Jun 2025 18:39

Tgt Ion	Ratio	Lower	Upper
188	100		
94	8.2	6.7	10.1
80	8.8	6.9	10.3

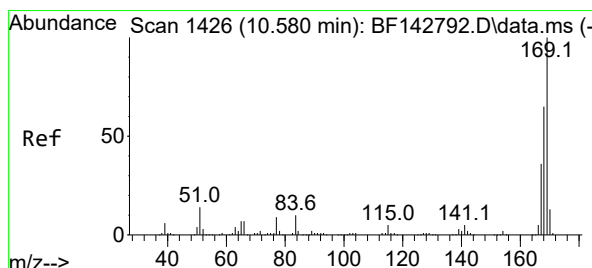
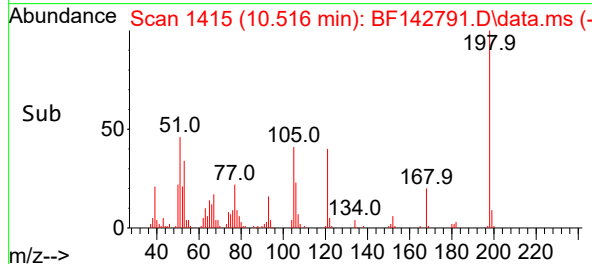
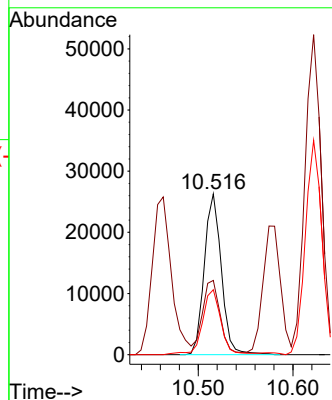
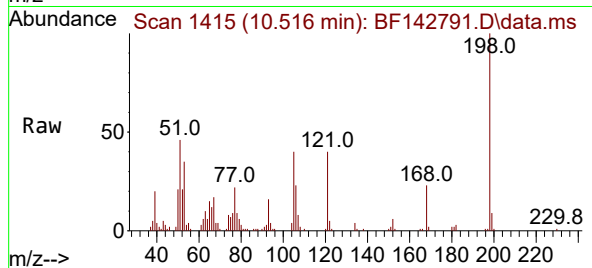




#65
4,6-Dinitro-2-methylphenol
Concen: 19.130 ng
RT: 10.516 min Scan# 1416
Delta R.T. -0.006 min
Lab File: BF142791.D
Acq: 19 Jun 2025 18:39

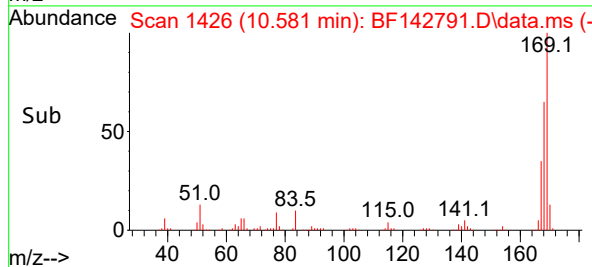
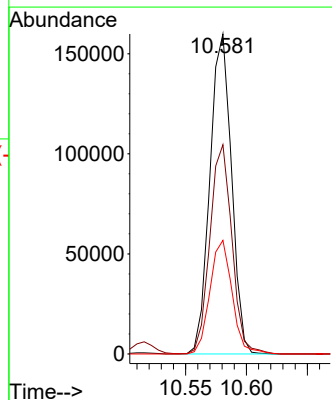
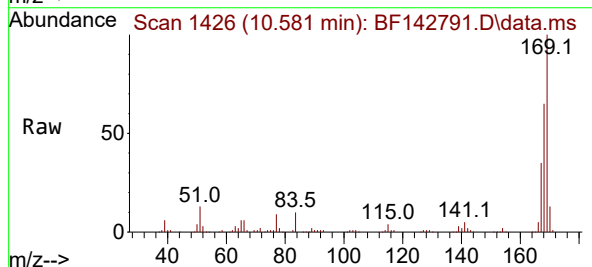
Instrument :
BNA_F
ClientSampleId :
SSTDICC020

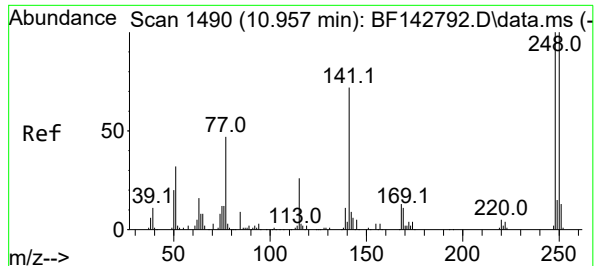
Tgt Ion:198 Resp: 32946
Ion Ratio Lower Upper
198 100
51 46.2 25.4 65.4
105 40.4 20.4 60.4



#66
n-Nitrosodiphenylamine
Concen: 20.670 ng
RT: 10.581 min Scan# 1426
Delta R.T. 0.000 min
Lab File: BF142791.D
Acq: 19 Jun 2025 18:39

Tgt Ion:169 Resp: 196840
Ion Ratio Lower Upper
169 100
168 65.4 51.9 77.9
167 35.5 28.5 42.7

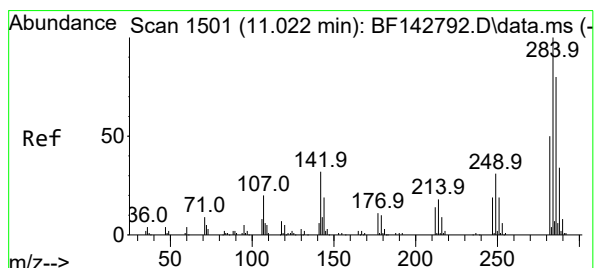
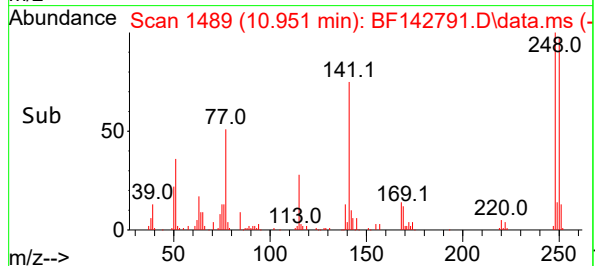
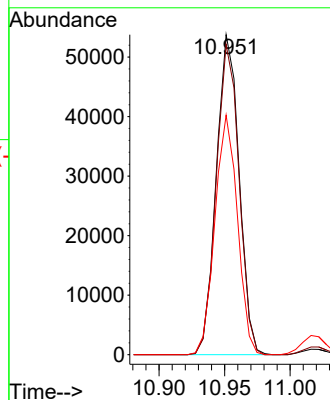
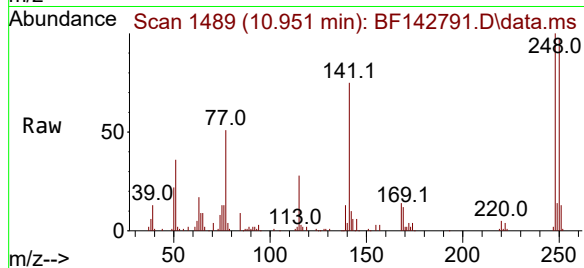




#67
4-Bromophenyl-phenylether
Concen: 20.068 ng
RT: 10.951 min Scan# 1490
Delta R.T. -0.006 min
Lab File: BF142791.D
Acq: 19 Jun 2025 18:39

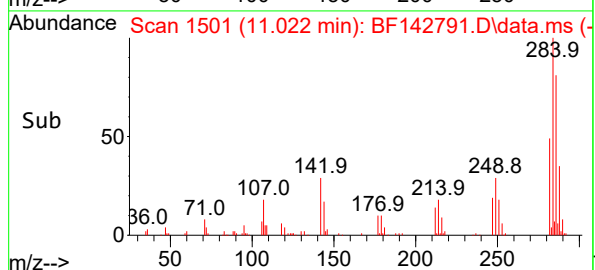
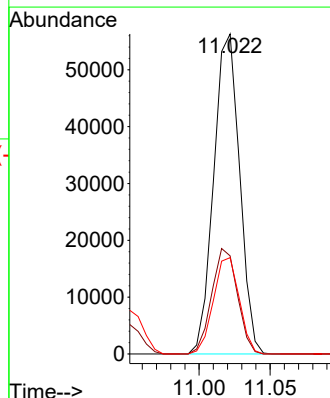
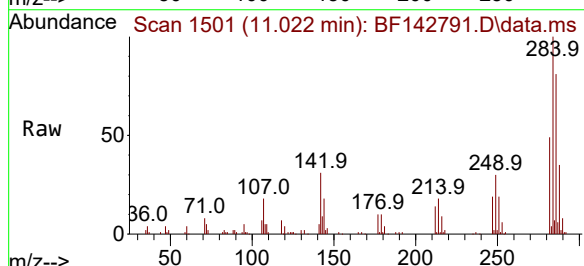
Instrument :
BNA_F
ClientSampleId :
SSTDICC020

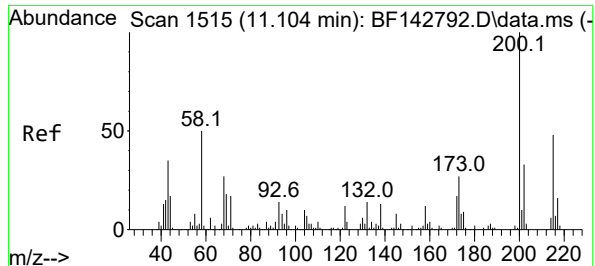
Tgt Ion:248 Resp: 65137
Ion Ratio Lower Upper
248 100
250 97.0 79.8 119.8
141 74.9 57.8 86.6



#68
Hexachlorobenzene
Concen: 19.802 ng
RT: 11.022 min Scan# 1501
Delta R.T. 0.000 min
Lab File: BF142791.D
Acq: 19 Jun 2025 18:39

Tgt Ion:284 Resp: 71354
Ion Ratio Lower Upper
284 100
142 30.7 25.5 38.3
249 30.1 24.9 37.3





#69

Atrazine

Concen: 19.760 ng

RT: 11.104 min Scan# 1515

Delta R.T. 0.000 min

Lab File: BF142791.D

Acq: 19 Jun 2025 18:39

Instrument :

BNA_F

ClientSampleId :

SSTDICC020

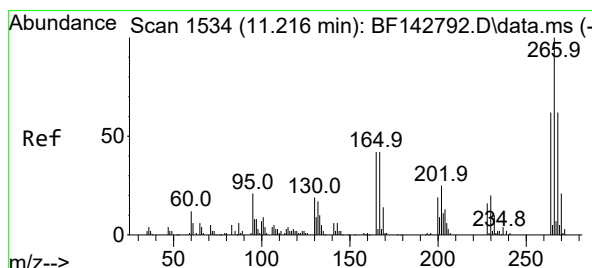
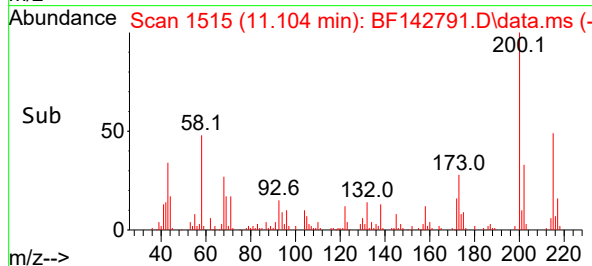
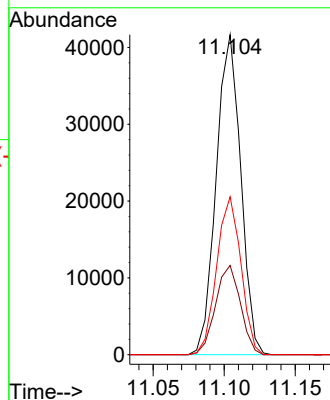
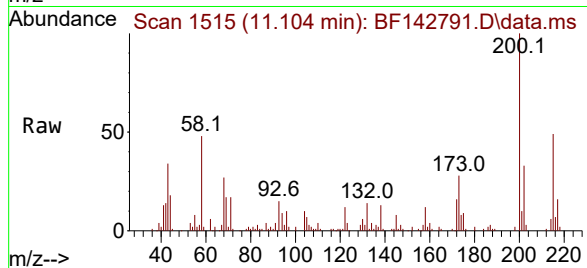
Tgt Ion:200 Resp: 49963

Ion Ratio Lower Upper

200 100

173 27.9 7.4 47.4

215 49.3 28.4 68.4



#70

Pentachlorophenol

Concen: 17.680 ng

RT: 11.216 min Scan# 1534

Delta R.T. 0.000 min

Lab File: BF142791.D

Acq: 19 Jun 2025 18:39

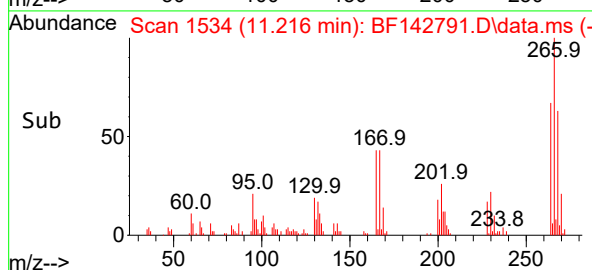
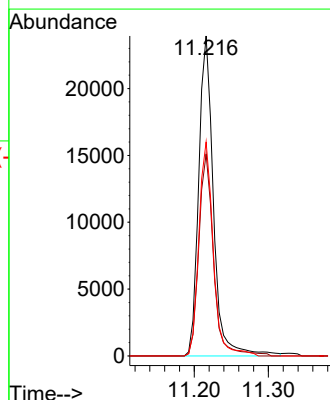
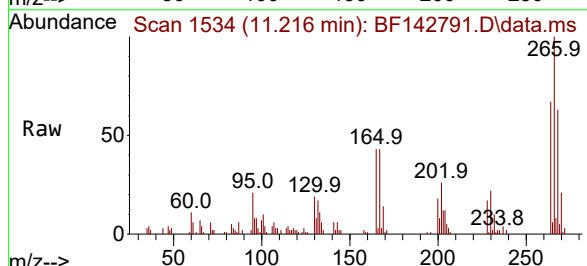
Tgt Ion:266 Resp: 33089

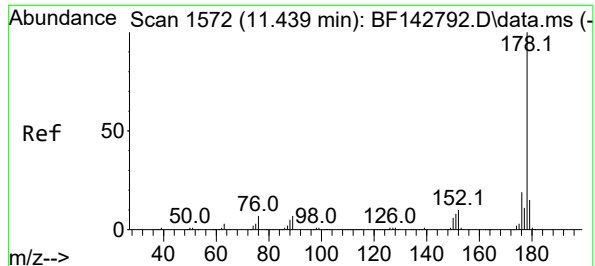
Ion Ratio Lower Upper

266 100

268 63.1 49.8 74.8

264 66.8 49.9 74.9

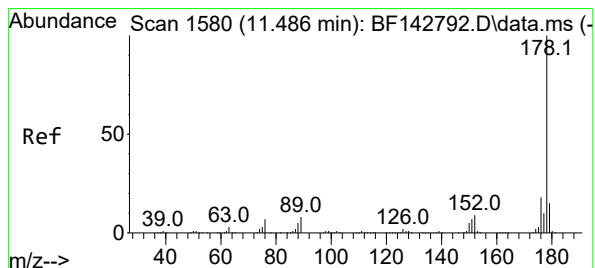
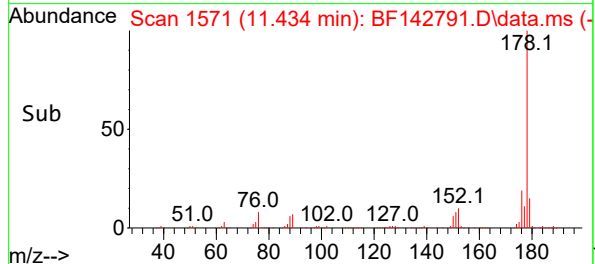
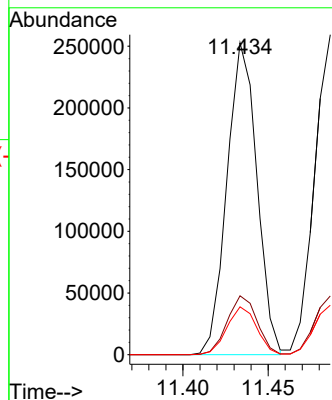
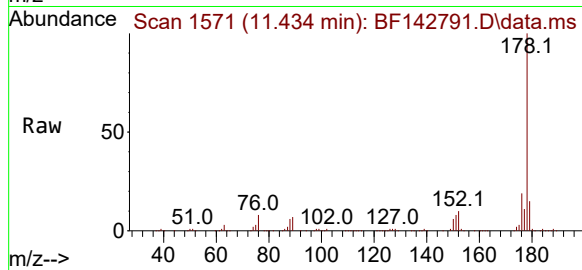




#71
Phenanthrene
Concen: 20.826 ng
RT: 11.434 min Scan# 1572
Delta R.T. -0.006 min
Lab File: BF142791.D
Acq: 19 Jun 2025 18:39

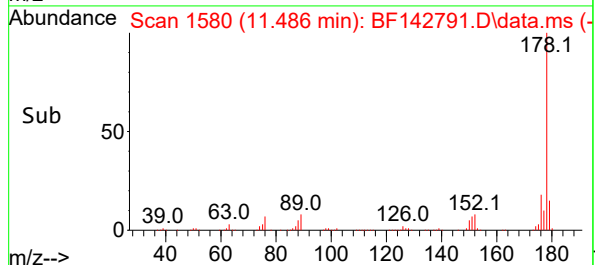
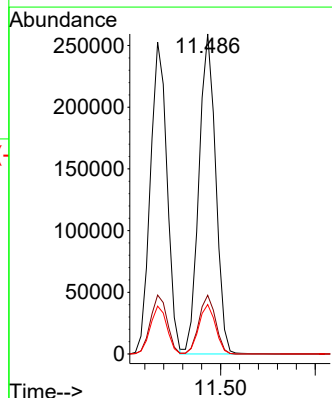
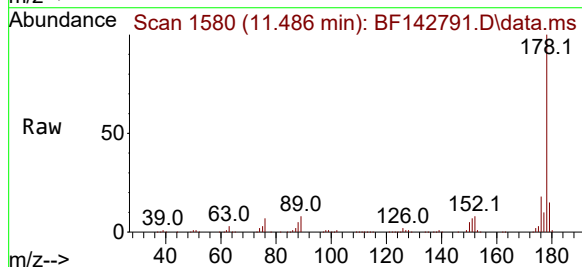
Instrument :
BNA_F
ClientSampleId :
SSTDICC020

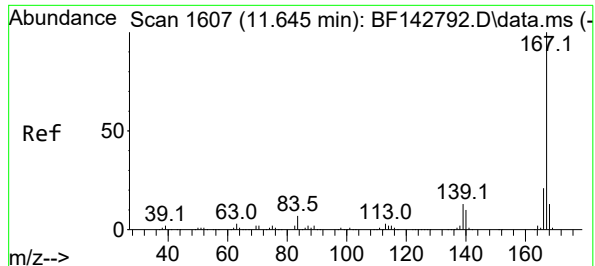
Tgt Ion:178 Resp: 309015
Ion Ratio Lower Upper
178 100
176 18.9 15.1 22.7
179 15.3 12.0 18.0



#72
Anthracene
Concen: 20.730 ng
RT: 11.486 min Scan# 1580
Delta R.T. 0.000 min
Lab File: BF142791.D
Acq: 19 Jun 2025 18:39

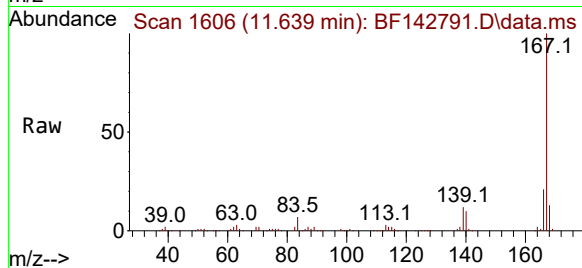
Tgt Ion:178 Resp: 318388
Ion Ratio Lower Upper
178 100
176 18.3 14.6 21.8
179 15.4 12.4 18.6



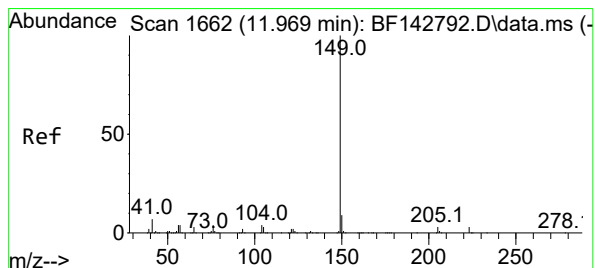
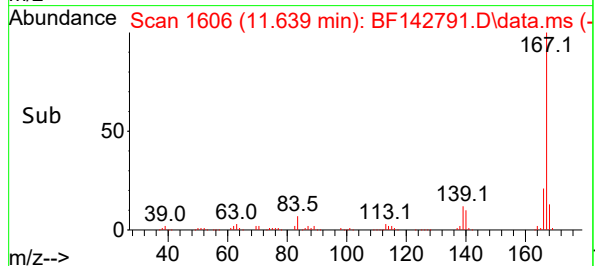
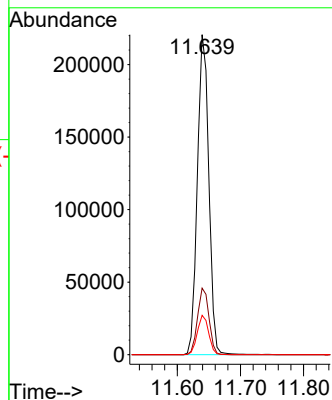


#73
Carbazole
Concen: 21.523 ng
RT: 11.639 min Scan# 1606
Delta R.T. -0.006 min
Lab File: BF142791.D
Acq: 19 Jun 2025 18:39

Instrument :
BNA_F
ClientSampleId :
SSTDICC020

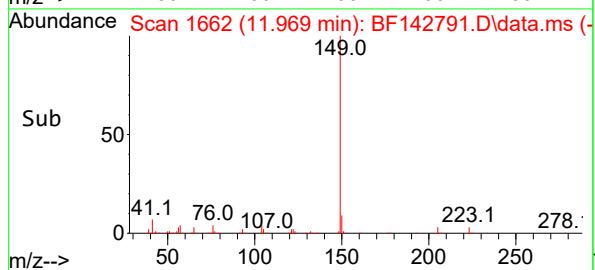
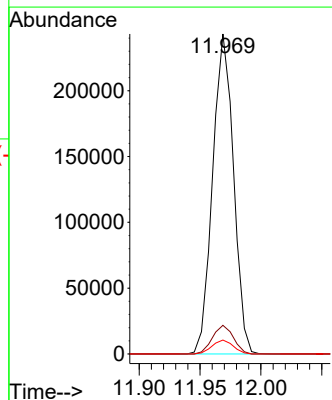
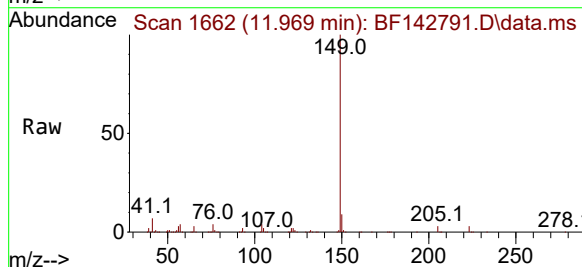


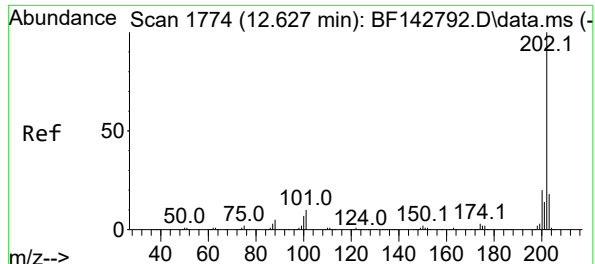
Tgt Ion:167 Resp: 276824
Ion Ratio Lower Upper
167 100
166 20.8 17.0 25.4
139 12.3 10.2 15.2



#74
Di-n-butylphthalate
Concen: 20.342 ng
RT: 11.969 min Scan# 1662
Delta R.T. 0.000 min
Lab File: BF142791.D
Acq: 19 Jun 2025 18:39

Tgt Ion:149 Resp: 289686
Ion Ratio Lower Upper
149 100
150 9.0 7.4 11.0
104 4.4 3.5 5.3

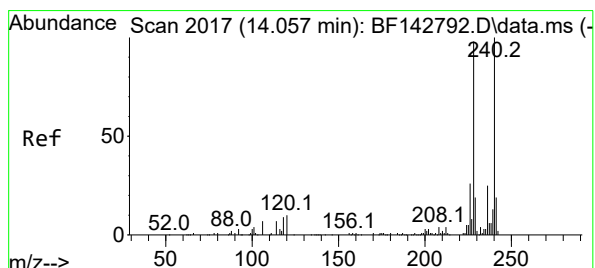
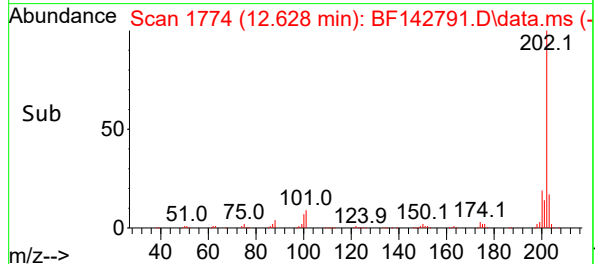
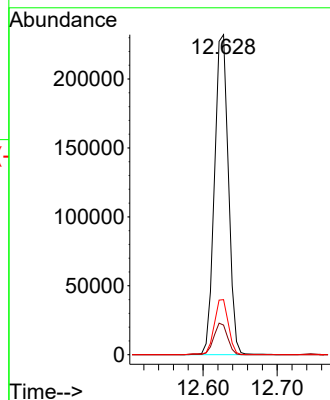
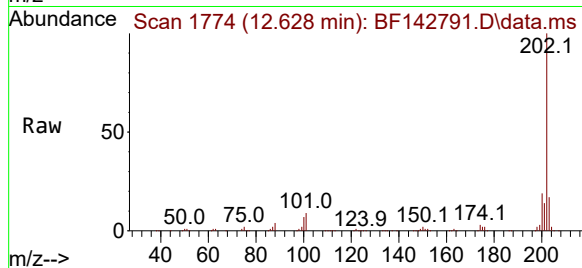




#75
Fluoranthene
Concen: 21.424 ng
RT: 12.628 min Scan# 1774
Delta R.T. 0.000 min
Lab File: BF142791.D
Acq: 19 Jun 2025 18:39

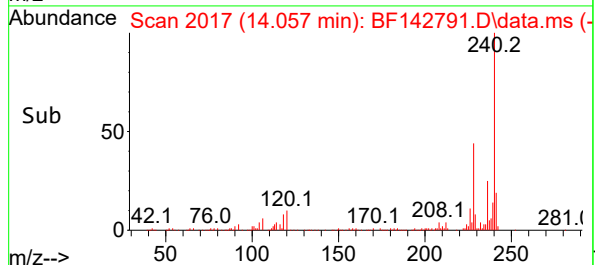
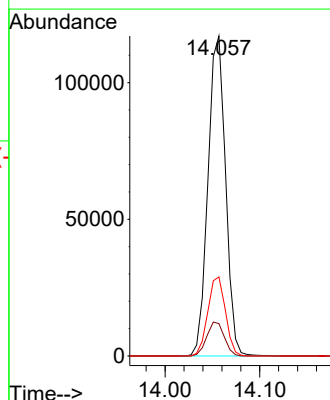
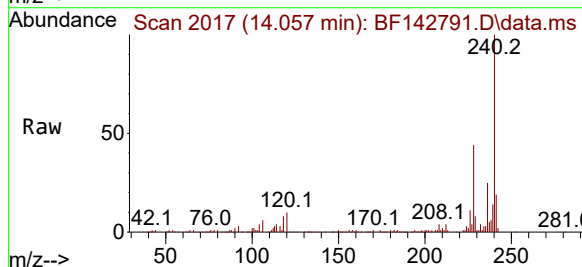
Instrument :
BNA_F
ClientSampleId :
SSTDICC020

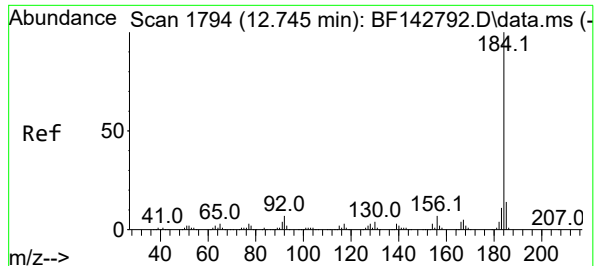
Tgt Ion:202 Resp: 302035
Ion Ratio Lower Upper
202 100
101 9.2 0.0 29.7
203 17.2 0.0 37.5



#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

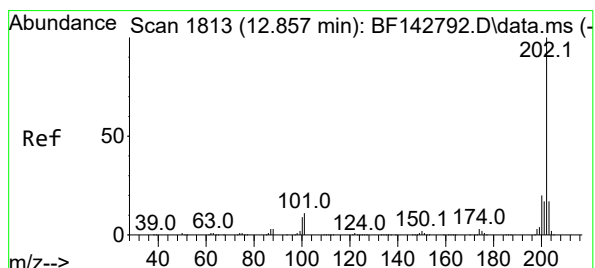
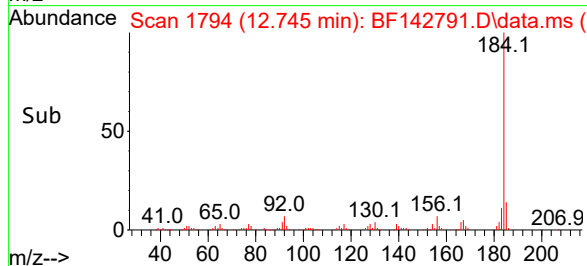
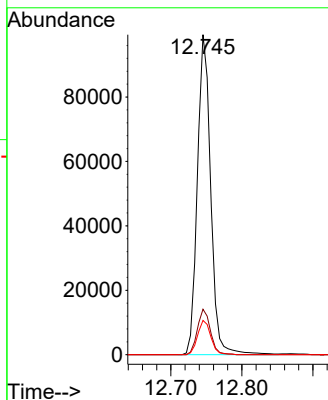
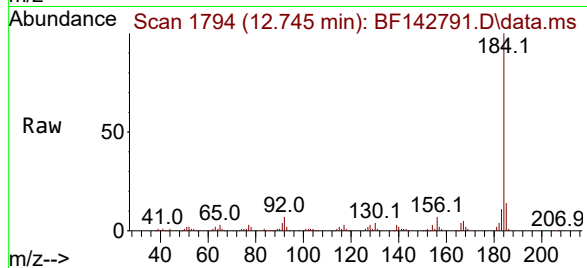
Tgt Ion:184 Resp: 130162

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

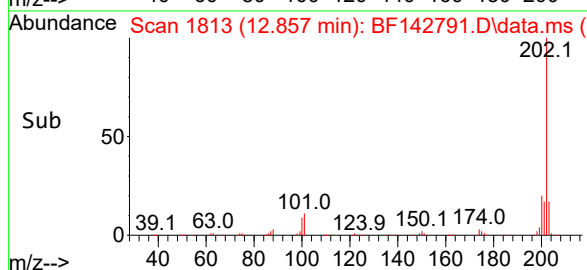
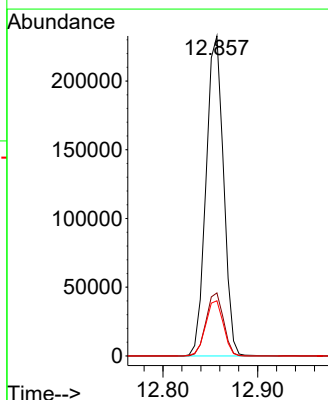
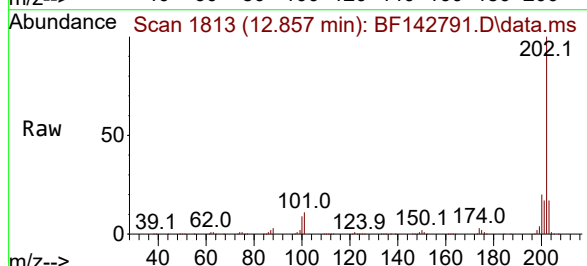
Tgt Ion:202 Resp: 297999

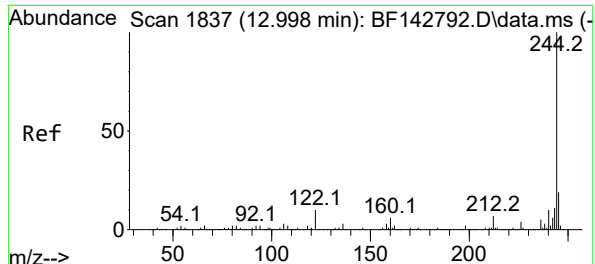
Ion Ratio Lower Upper

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

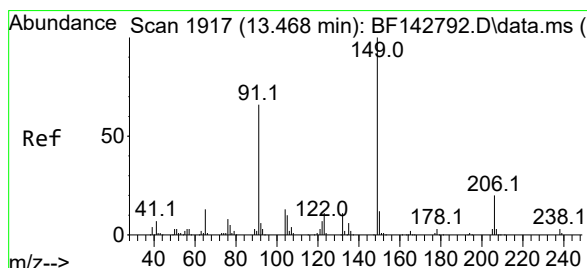
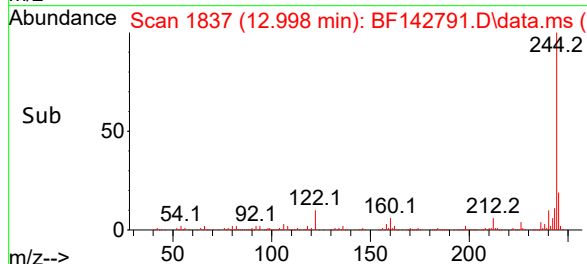
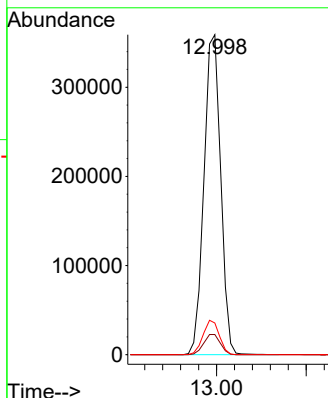
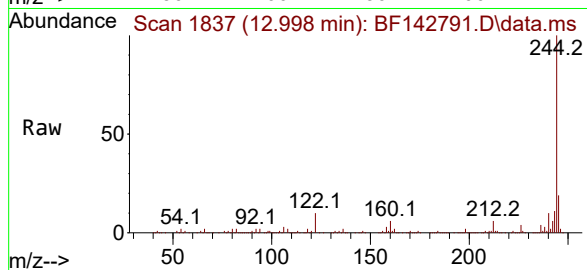
Tgt Ion:244 Resp: 464214

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

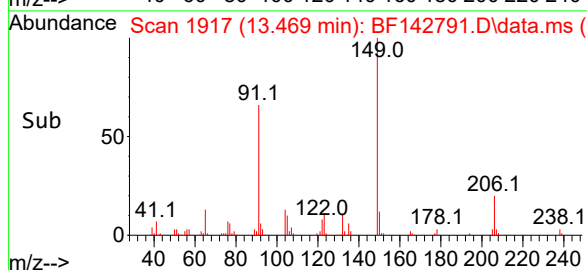
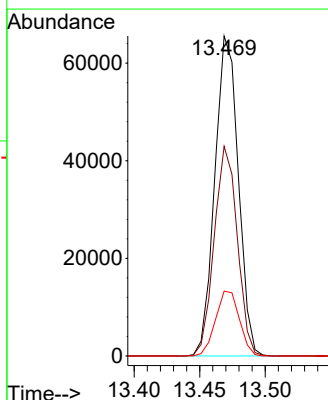
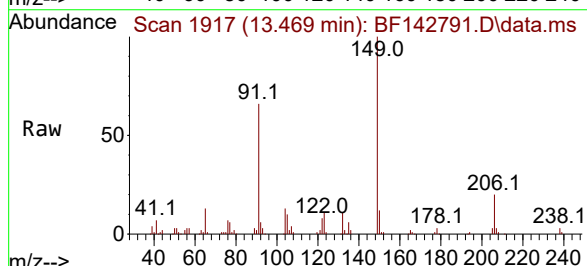
Tgt Ion:149 Resp: 81500

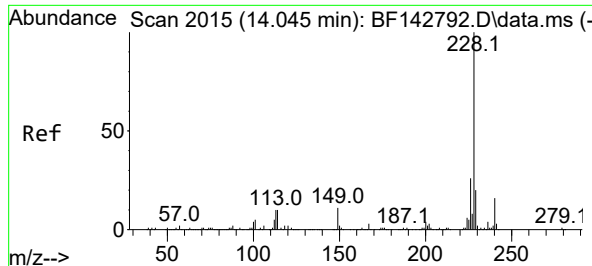
Ion Ratio Lower Upper

149 100

91 65.5 52.9 79.3

206 20.3 16.3 24.5

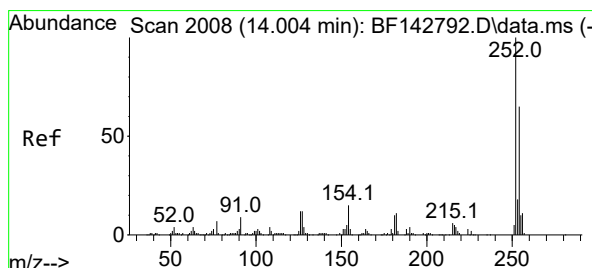
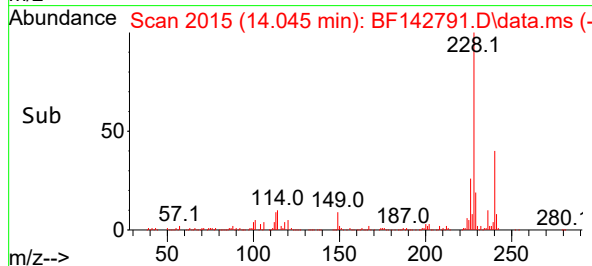
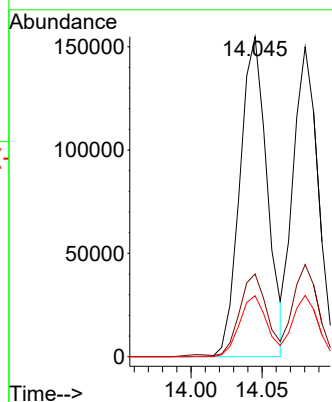
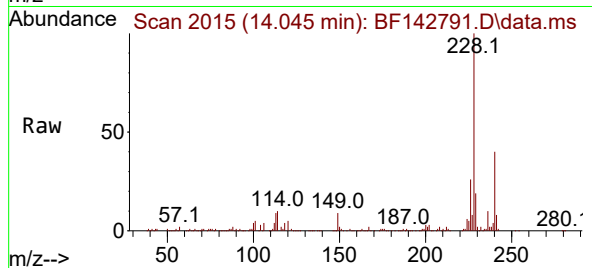




#81
Benzo(a)anthracene
Concen: 20.807 ng
RT: 14.045 min Scan# 2015
Delta R.T. 0.000 min
Lab File: BF142791.D
Acq: 19 Jun 2025 18:39

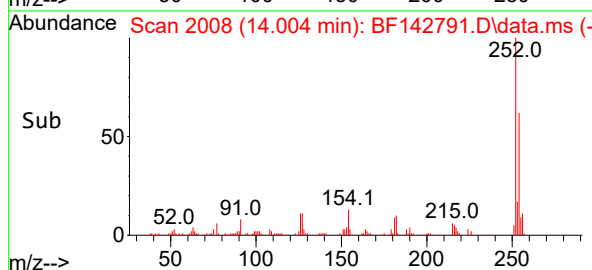
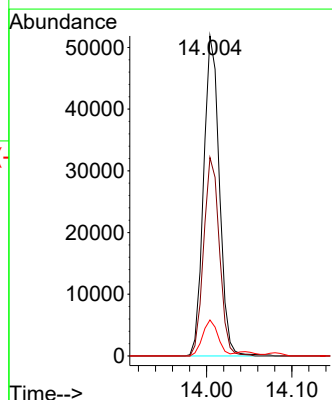
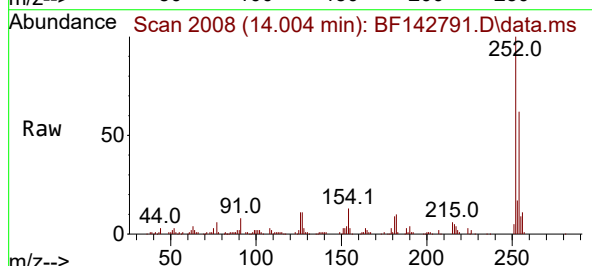
Instrument :
BNA_F
ClientSampleId :
SSTDICC020

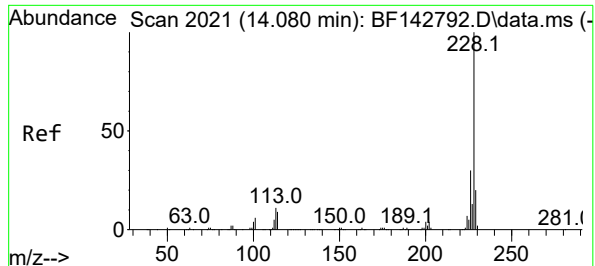
Tgt Ion:228 Resp: 206831
Ion Ratio Lower Upper
228 100
226 25.8 21.2 31.8
229 19.0 15.6 23.4



#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

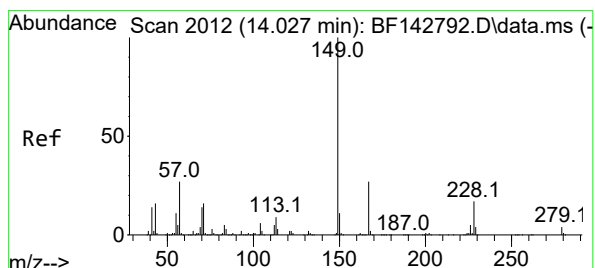
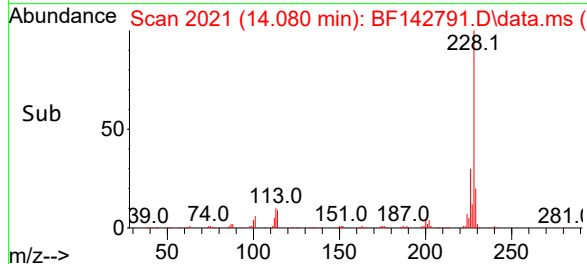
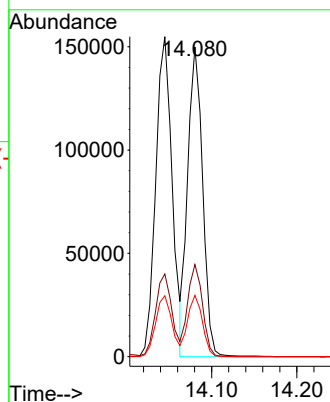
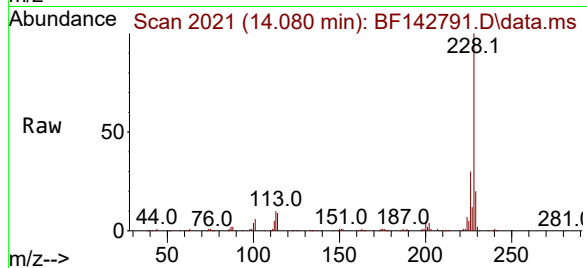




#83
Chrysene
Concen: 19.756 ng
RT: 14.080 min Scan# 2021
Delta R.T. 0.000 min
Lab File: BF142791.D
Acq: 19 Jun 2025 18:39

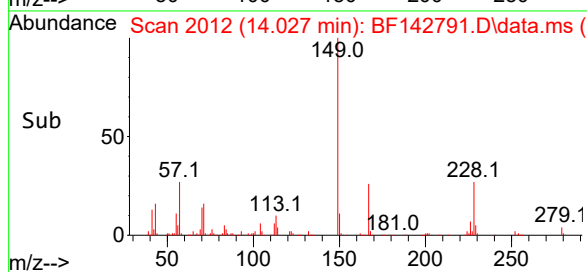
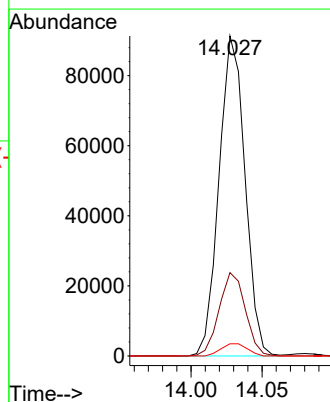
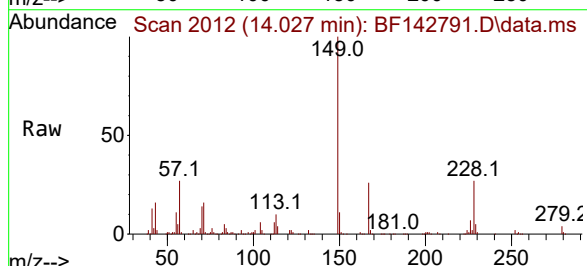
Instrument :
BNA_F
ClientSampleId :
SSTDICC020

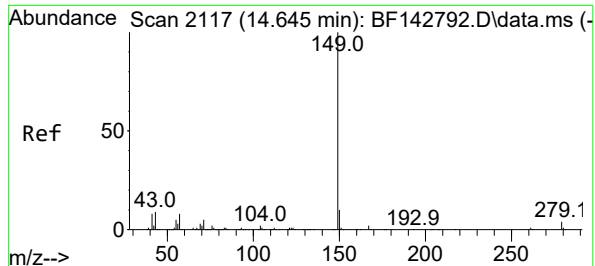
Tgt Ion:228 Resp: 182829
Ion Ratio Lower Upper
228 100
226 29.8 23.7 35.5
229 19.8 15.7 23.5



#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

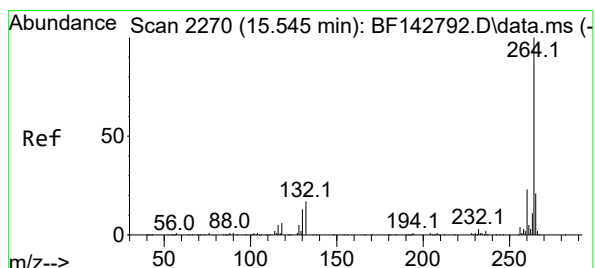
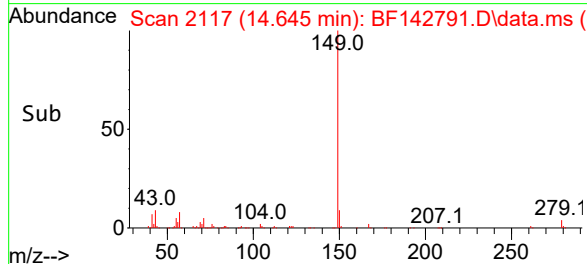
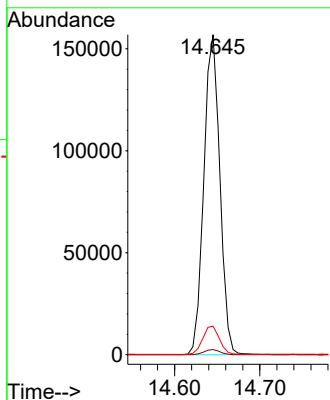
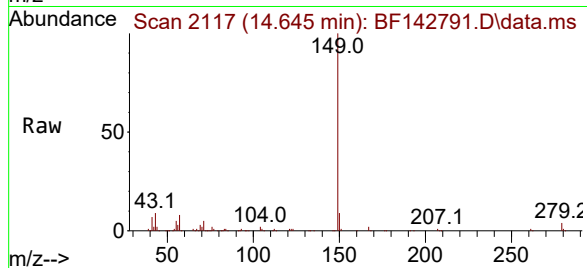




#85
Di-n-octyl phthalate
Concen: 17.475 ng
RT: 14.645 min Scan# 2117
Delta R.T. 0.000 min
Lab File: BF142791.D
Acq: 19 Jun 2025 18:39

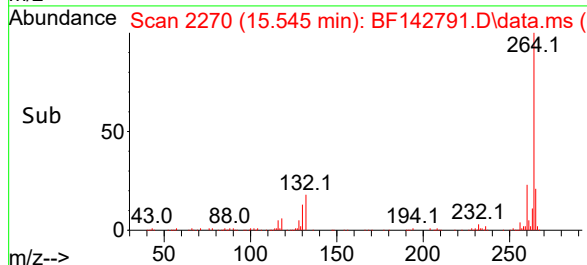
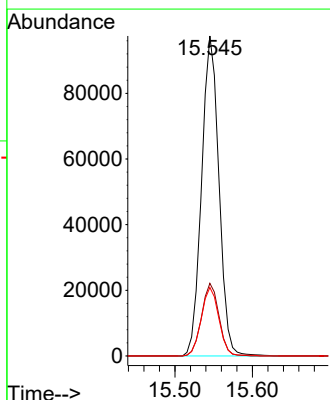
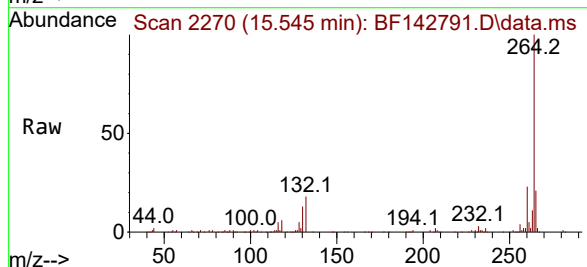
Instrument :
BNA_F
ClientSampleId :
SSTDICC020

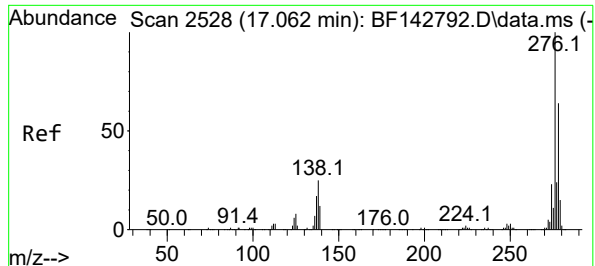
Tgt Ion:149 Resp: 204632
Ion Ratio Lower Upper
149 100
167 1.6 1.3 1.9
43 9.2 7.6 11.4



#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

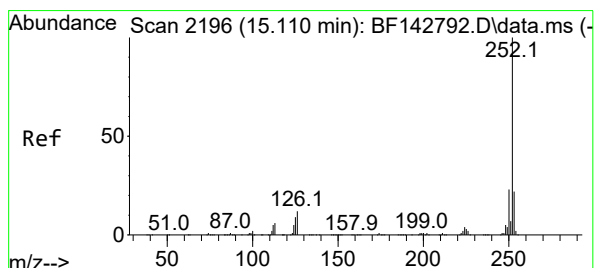
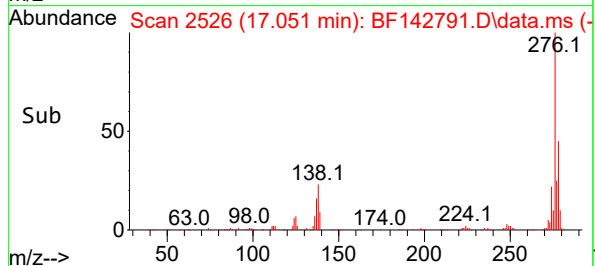
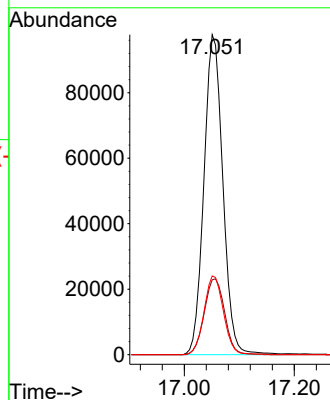
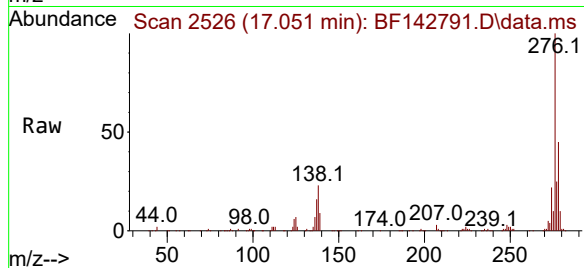
Tgt Ion:276 Resp: 233757

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

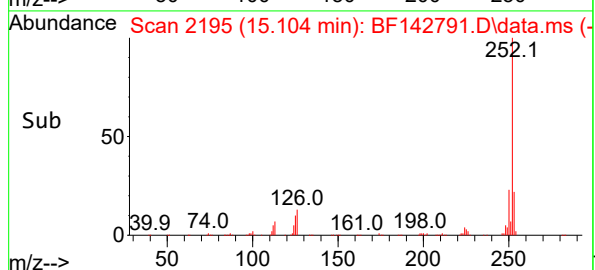
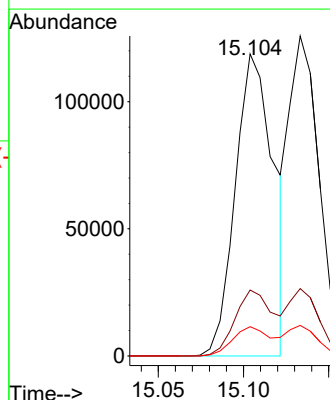
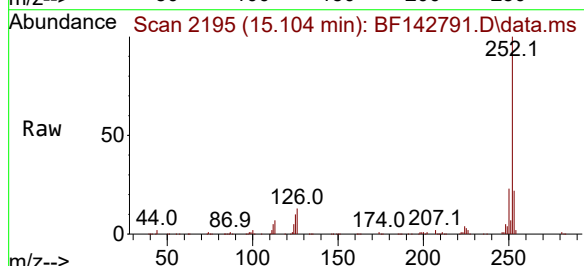
Tgt Ion:252 Resp: 185574

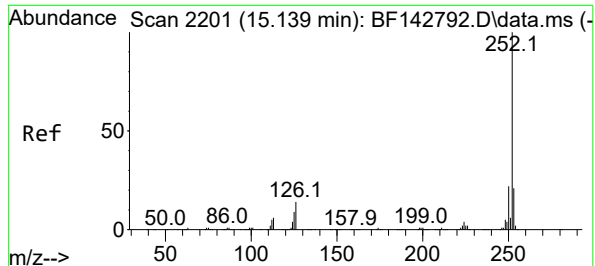
Ion Ratio Lower Upper

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

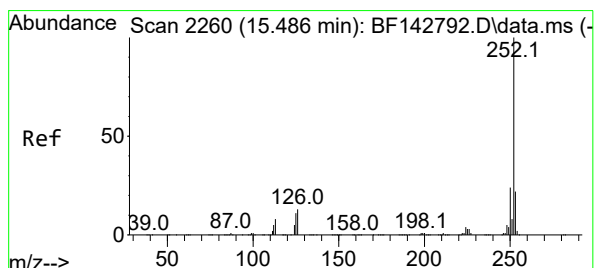
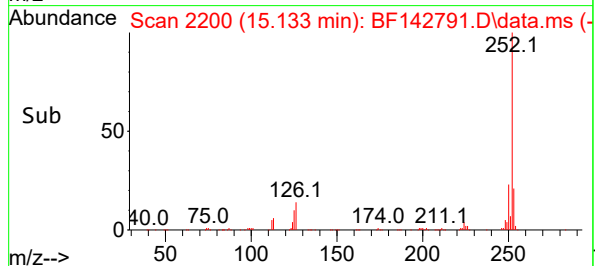
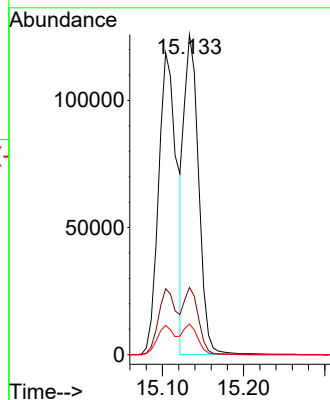
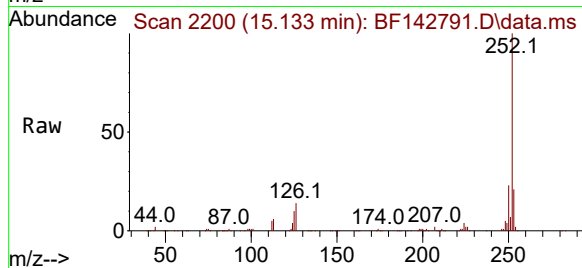
Tgt Ion:252 Resp: 156588

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

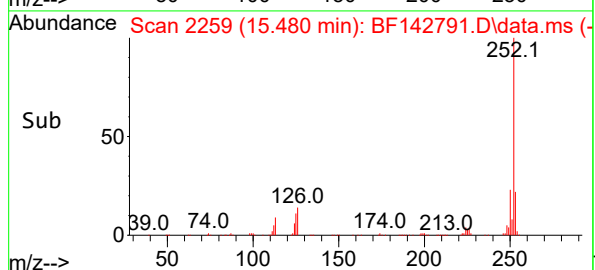
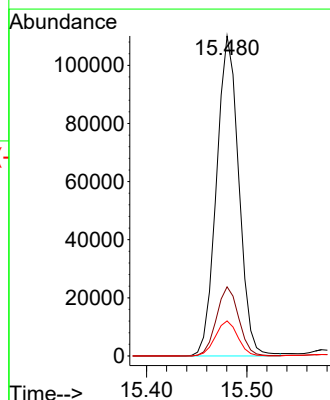
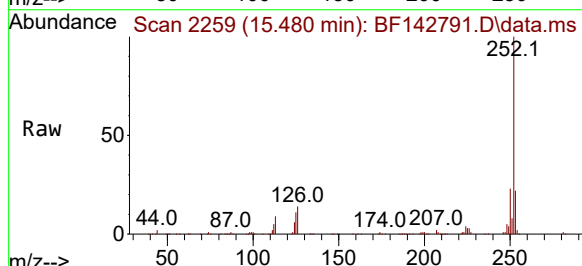
Tgt Ion:252 Resp: 170053

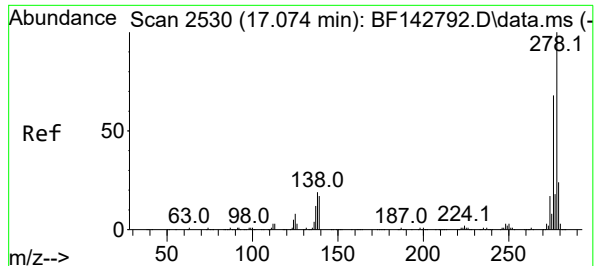
Ion Ratio Lower Upper

252 100

253 21.6 17.5 26.3

125 11.0 8.6 12.8

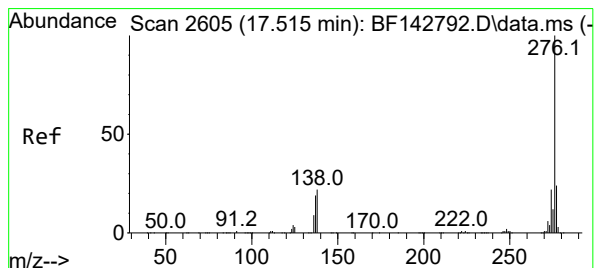
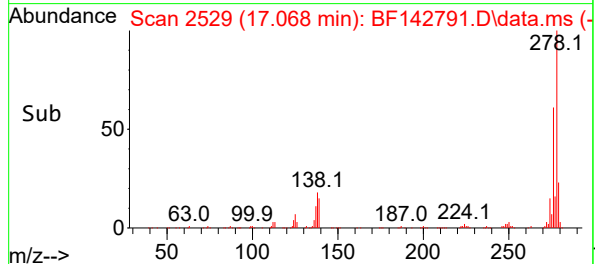
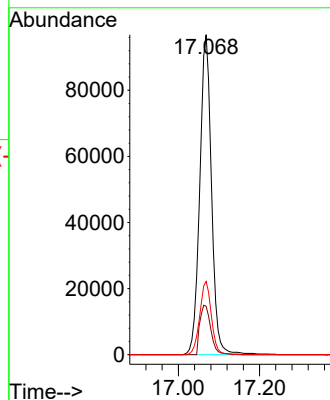
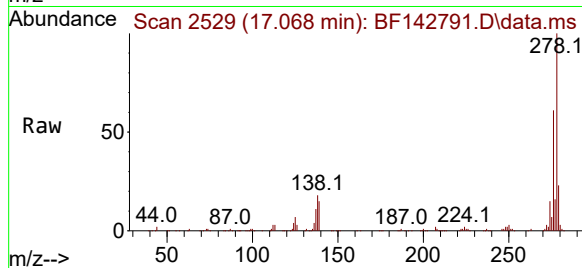




#91
Dibenzo(a,h)anthracene
Concen: 21.504 ng
RT: 17.068 min Scan# 21
Delta R.T. -0.006 min
Lab File: BF142791.D
Acq: 19 Jun 2025 18:39

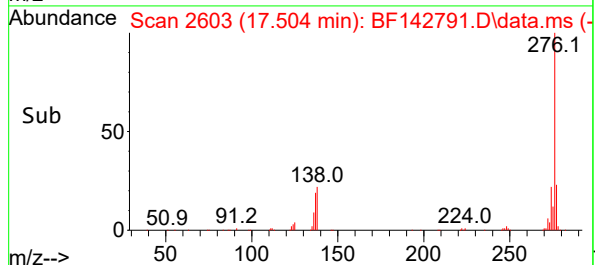
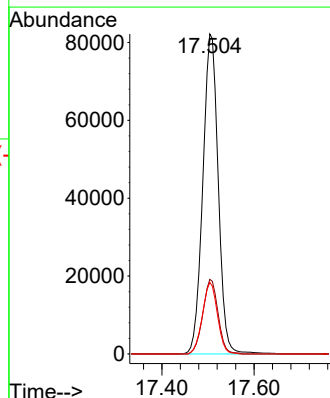
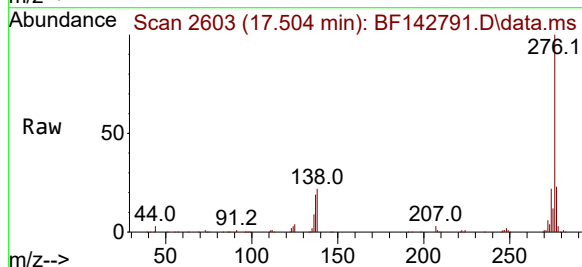
Instrument :
BNA_F
ClientSampleId :
SSTDICC020

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 : SSTDICCC040
 Misc :
 ALS Vial : 6 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 SSTDICCC040

Quant Time: Jun 20 04:39:58 2025
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF061925.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Fri Jun 20 04:36:38 2025
 Response via : Initial Calibration

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

Internal Standards						
1) 1,4-Dichlorobenzene-d4	6.881	152	83734	20.000	ng	0.00
21) Naphthalene-d8	8.169	136	313297	20.000	ng	0.00
39) Acenaphthene-d10	9.922	164	161991	20.000	ng	0.00
64) Phenanthrene-d10	11.410	188	263346	20.000	ng	0.00
76) Chrysene-d12	14.057	240	142481	20.000	ng	0.00
86) Perylene-d12	15.545	264	170267	20.000	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.492	112	384996	78.420	ng	0.00
7) Phenol-d6	6.510	99	448961	77.879	ng	0.00
23) Nitrobenzene-d5	7.445	82	443431	77.580	ng	0.00
42) 2,4,6-Tribromophenol	10.716	330	129669	73.654	ng	0.00
45) 2-Fluorobiphenyl	9.245	172	926905	76.120	ng	0.00
79) Terphenyl-d14	12.998	244	756495	73.897	ng	0.00
Target Compounds						Qvalue
2) 1,4-Dioxane	2.640	88	77194	39.596	ng	100
3) Pyridine	3.410	79	194866	39.924	ng	100
4) n-Nitrosodimethylamine	3.357	42	99851	39.943	ng	100
6) Aniline	6.545	93	304377	39.397	ng	100
8) 2-Chlorophenol	6.663	128	208444	38.992	ng	100
9) Benzaldehyde	6.434	77	126748	36.063	ng	100
10) Phenol	6.522	94	253916	39.504	ng	100
11) bis(2-Chloroethyl)ether	6.616	93	179469	37.634	ng	100
12) 1,3-Dichlorobenzene	6.822	146	230658	37.892	ng	100
13) 1,4-Dichlorobenzene	6.898	146	235951	38.243	ng	100
14) 1,2-Dichlorobenzene	7.051	146	222976	37.805	ng	100
15) Benzyl Alcohol	7.022	79	163491	37.888	ng	100
16) 2,2'-oxybis(1-Chloropr...	7.157	45	288515	38.400	ng	100
17) 2-Methylphenol	7.134	107	157159	38.454	ng	100
18) Hexachloroethane	7.392	117	83524	37.870	ng	100
19) n-Nitroso-di-n-propyla...	7.292	70	131792	36.251	ng	100
20) 3+4-Methylphenols	7.286	107	196876	38.274	ng	100
22) Acetophenone	7.292	105	262224	37.828	ng	100
24) Nitrobenzene	7.463	77	200051	39.383	ng	100
25) Isophorone	7.704	82	347894	36.294	ng	100
26) 2-Nitrophenol	7.781	139	111792	39.497	ng	100
27) 2,4-Dimethylphenol	7.816	122	187808	38.974	ng	100
28) bis(2-Chloroethoxy)met...	7.910	93	222264	37.249	ng	100
29) 2,4-Dichlorophenol	8.022	162	171329	38.576	ng	100
30) 1,2,4-Trichlorobenzene	8.104	180	187194	38.155	ng	100
31) Naphthalene	8.186	128	584986	37.966	ng	100
32) Benzoic acid	7.922	122	98210	36.734	ng	100
33) 4-Chloroaniline	8.233	127	237317	38.432	ng	100
34) Hexachlorobutadiene	8.304	225	115333	37.099	ng	100
35) Caprolactam	8.604	113	44914	37.583	ng	100
36) 4-Chloro-3-methylphenol	8.716	107	168353	36.695	ng	100
37) 2-Methylnaphthalene	8.880	142	362692	37.313	ng	100
38) 1-Methylnaphthalene	8.980	142	374836	37.143	ng	100
40) 1,2,4,5-Tetrachloroben...	9.045	216	180481	38.596	ng	100
41) Hexachlorocyclopentadiene	9.033	237	108999	36.863	ng	100
43) 2,4,6-Trichlorophenol	9.157	196	118412	39.129	ng	100

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF061925\
 Data File : BF142792.D
 Acq On : 19 Jun 2025 19:09
 Operator : RC/JU
 Sample : SSTDICCC040
 Misc :
 ALS Vial : 6 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 SSTDICCC040

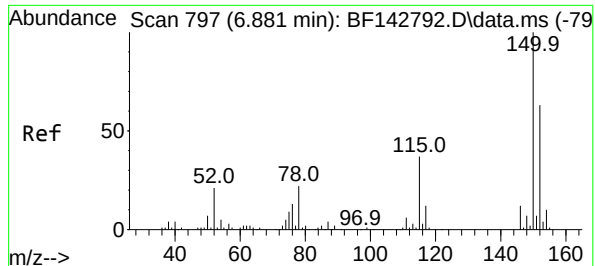
Quant Time: Jun 20 04:39:58 2025
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF061925.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Fri Jun 20 04:36:38 2025
 Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
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 :
SSTDICCC040

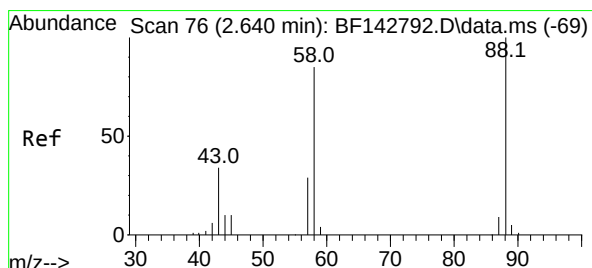
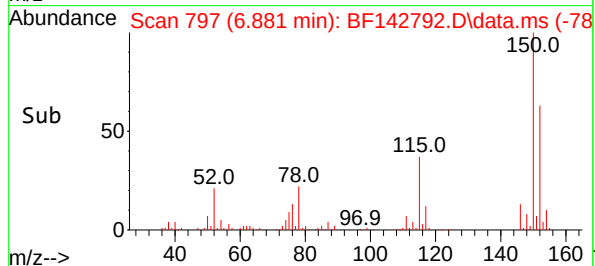
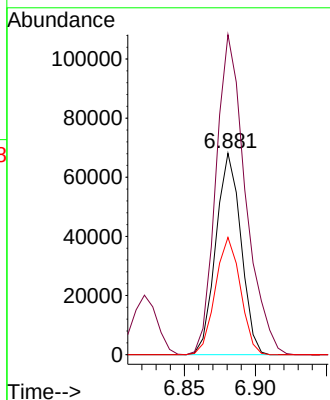
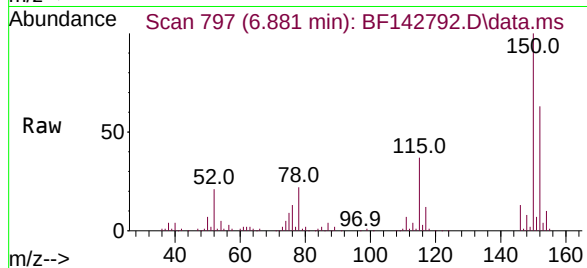
[illegible]



#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.881 min Scan# 79
Delta R.T. -0.000 min
Lab File: BF142792.D
Acq: 19 Jun 2025 19:09

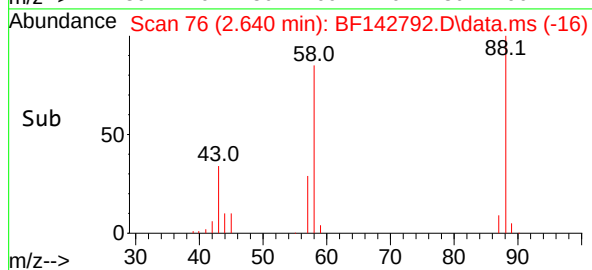
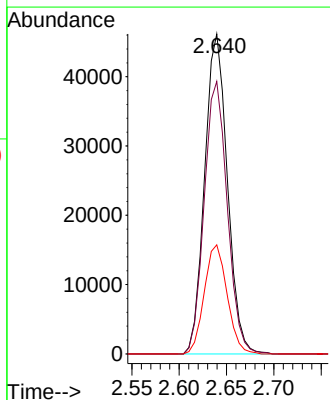
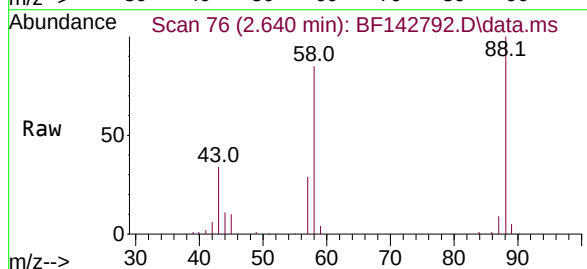
Instrument :
BNA_F
ClientSampleId :
SSTDICCC040

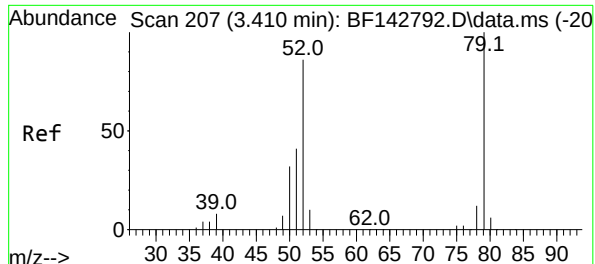
Tgt Ion:152 Resp: 83734
Ion Ratio Lower Upper
152 100
150 159.0 127.2 190.8
115 58.2 46.6 69.8



#2
1,4-Dioxane
Concen: 39.596 ng
RT: 2.640 min Scan# 76
Delta R.T. 0.000 min
Lab File: BF142792.D
Acq: 19 Jun 2025 19:09

Tgt Ion: 88 Resp: 77194
Ion Ratio Lower Upper
88 100
58 86.4 69.1 103.7
43 34.3 27.4 41.2





#3

Pyridine

Concen: 39.924 ng

RT: 3.410 min Scan# 207

Delta R.T. 0.000 min

Lab File: BF142792.D

Acq: 19 Jun 2025 19:09

Instrument :

BNA_F

ClientSampleId :

SSTDICCC040

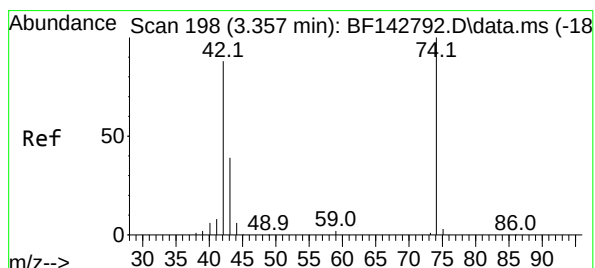
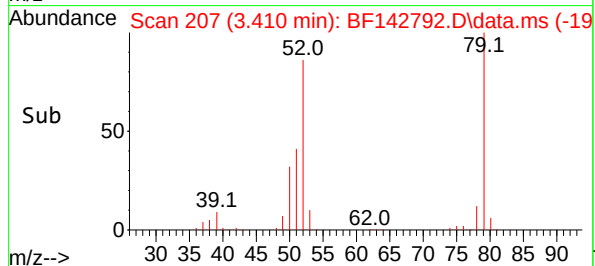
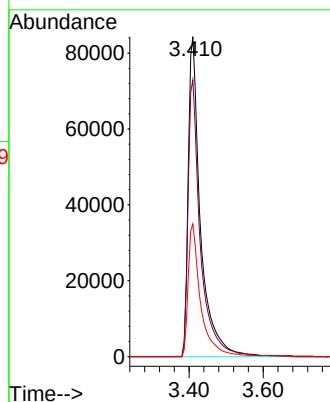
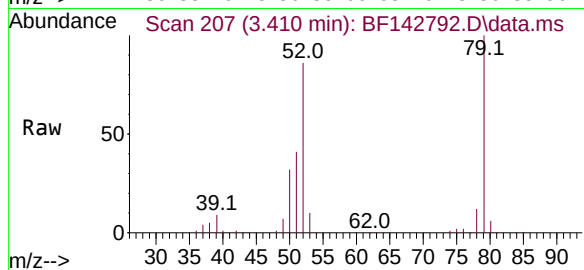
Tgt Ion: 79 Resp: 194866

Ion Ratio Lower Upper

79 100

52 86.5 69.2 103.8

51 41.5 33.2 49.8



#4

n-Nitrosodimethylamine

Concen: 39.943 ng

RT: 3.357 min Scan# 198

Delta R.T. 0.000 min

Lab File: BF142792.D

Acq: 19 Jun 2025 19:09

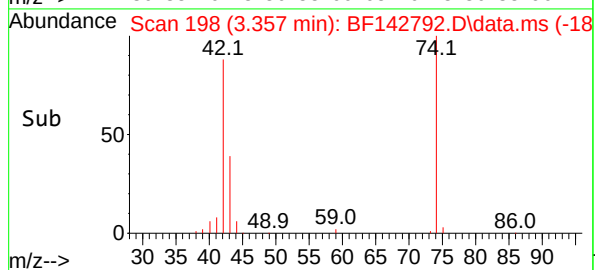
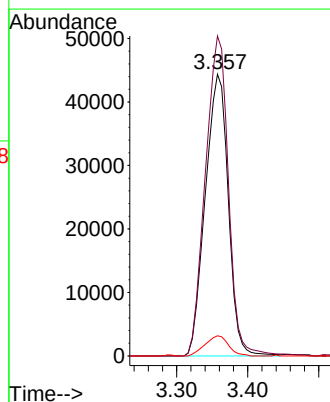
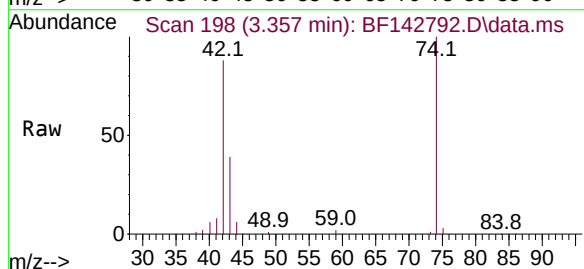
Tgt Ion: 42 Resp: 99851

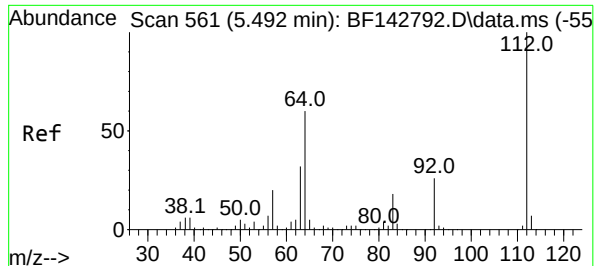
Ion Ratio Lower Upper

42 100

74 113.6 90.9 136.3

44 7.2 5.8 8.6



#5
2-Fluorophenol

Concen: 78.420 ng

RT: 5.492 min Scan# 561

Delta R.T. 0.000 min

Lab File: BF142792.D

Acq: 19 Jun 2025 19:09

Instrument :

BNA_F

ClientSampleId :

SSTDICCC040

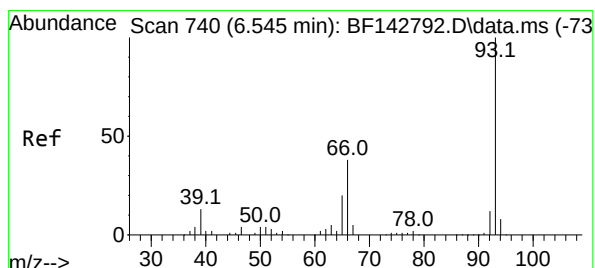
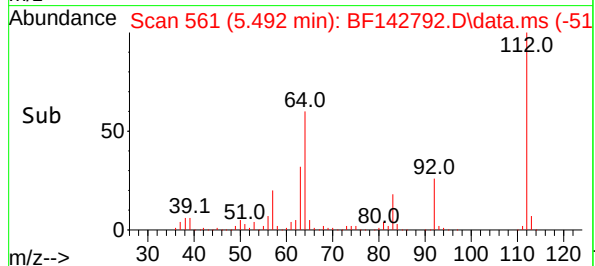
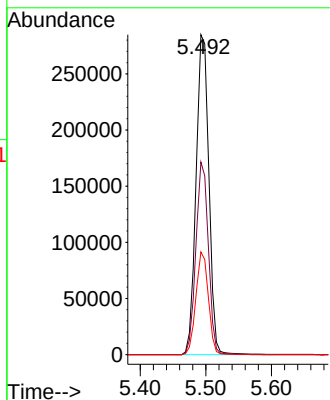
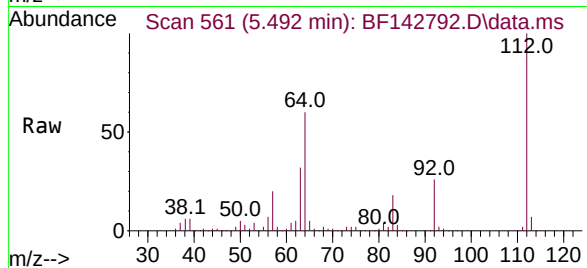
Tgt Ion:112 Resp: 384996

Ion Ratio Lower Upper

112 100

64 60.2 48.2 72.2

63 32.1 25.7 38.5



#6

Aniline

Concen: 39.397 ng

RT: 6.545 min Scan# 740

Delta R.T. 0.000 min

Lab File: BF142792.D

Acq: 19 Jun 2025 19:09

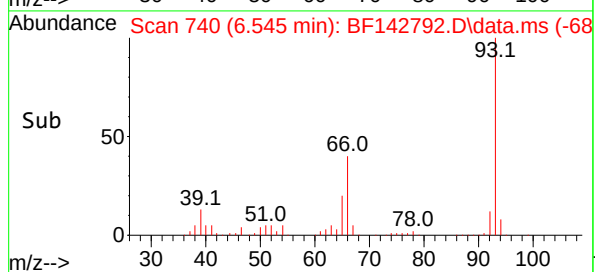
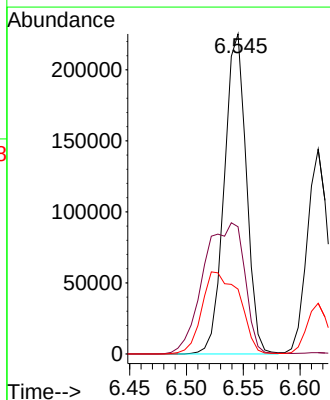
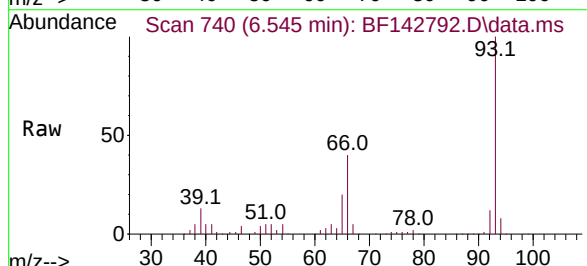
Tgt Ion: 93 Resp: 304377

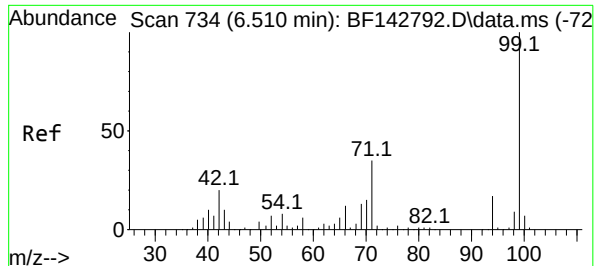
Ion Ratio Lower Upper

93 100

66 39.7 31.8 47.6

65 20.2 16.2 24.2





#7

Phenol-d6

Concen: 77.879 ng

RT: 6.510 min Scan# 734

Delta R.T. 0.000 min

Lab File: BF142792.D

Acq: 19 Jun 2025 19:09

Instrument :

BNA_F

ClientSampleId :

SSTDICCC040

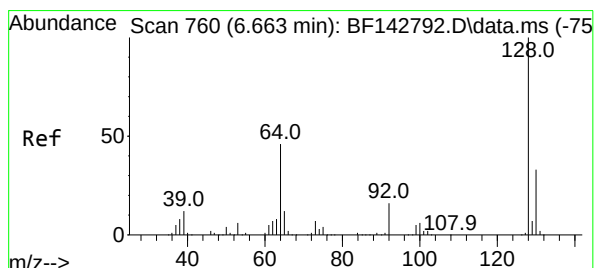
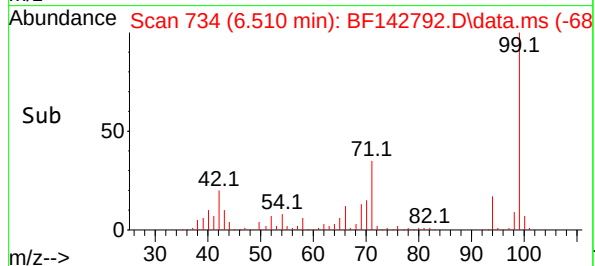
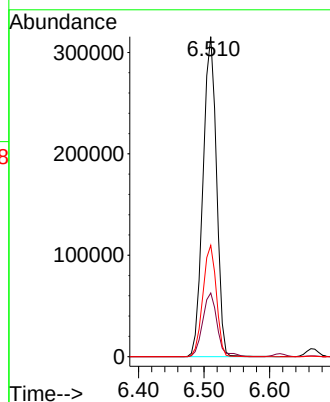
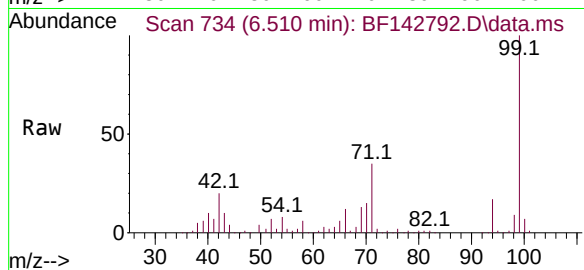
Tgt Ion: 99 Resp: 448961

Ion Ratio Lower Upper

99 100

42 19.9 15.9 23.9

71 34.8 27.8 41.8



#8

2-Chlorophenol

Concen: 38.992 ng

RT: 6.663 min Scan# 760

Delta R.T. 0.000 min

Lab File: BF142792.D

Acq: 19 Jun 2025 19:09

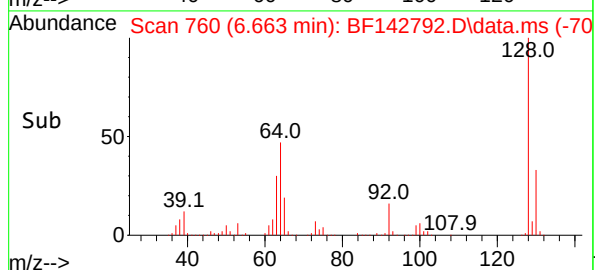
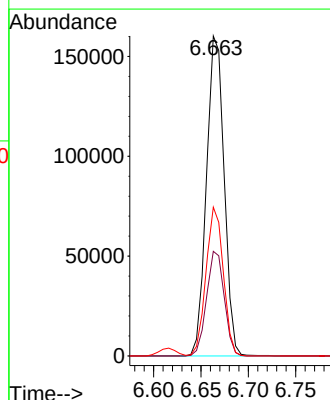
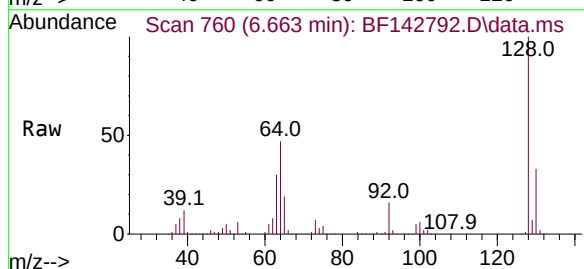
Tgt Ion:128 Resp: 208444

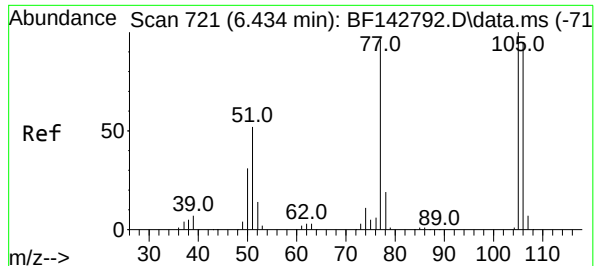
Ion Ratio Lower Upper

128 100

130 32.7 12.7 52.7

64 46.5 26.5 66.5





#9

Benzaldehyde

Concen: 36.063 ng

RT: 6.434 min Scan# 721

Delta R.T. 0.000 min

Lab File: BF142792.D

Acq: 19 Jun 2025 19:09

Instrument :

BNA_F

ClientSampleId :

SSTDICCC040

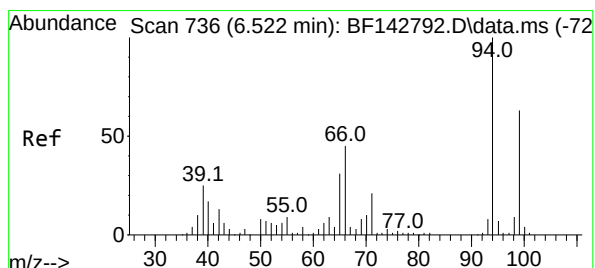
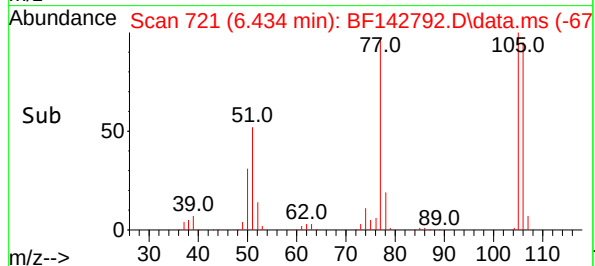
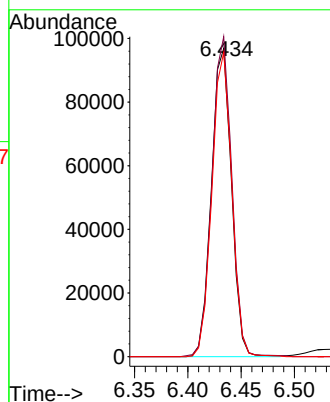
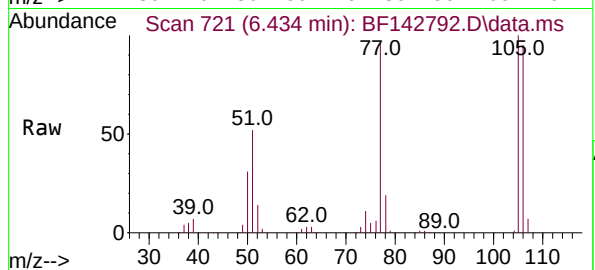
Tgt Ion: 77 Resp: 126748

Ion Ratio Lower Upper

77 100

105 103.8 83.8 123.8

106 98.7 78.7 118.7



#10

Phenol

Concen: 39.504 ng

RT: 6.522 min Scan# 736

Delta R.T. 0.000 min

Lab File: BF142792.D

Acq: 19 Jun 2025 19:09

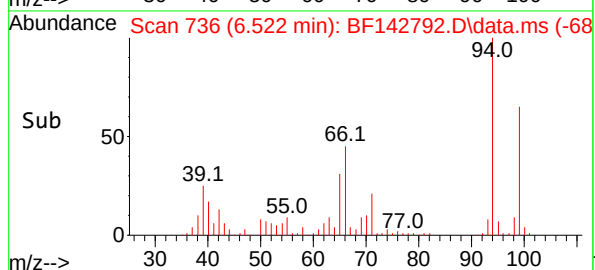
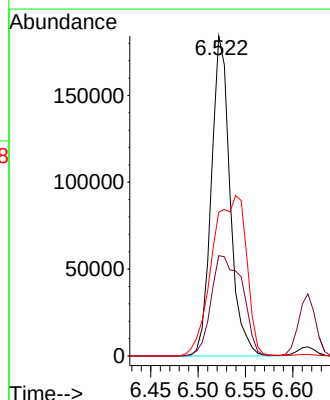
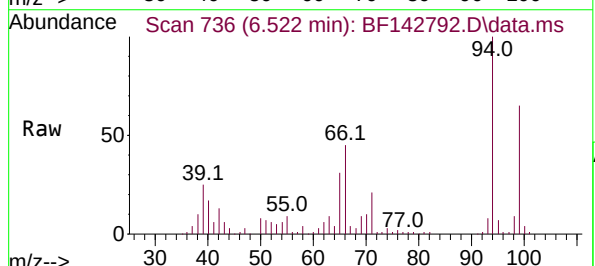
Tgt Ion: 94 Resp: 253916

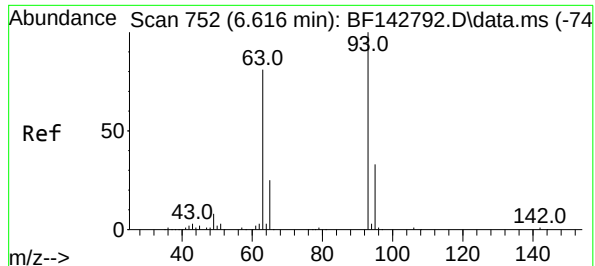
Ion Ratio Lower Upper

94 100

65 31.3 11.3 51.3

66 44.9 24.9 64.9

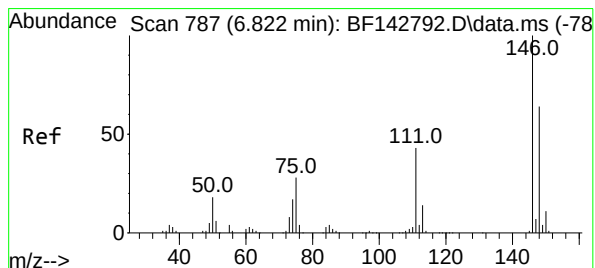
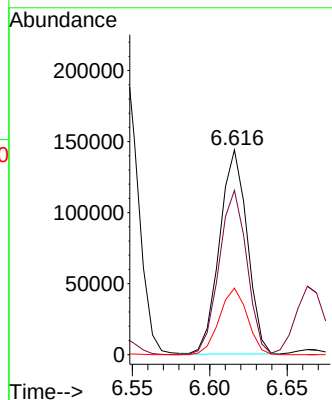
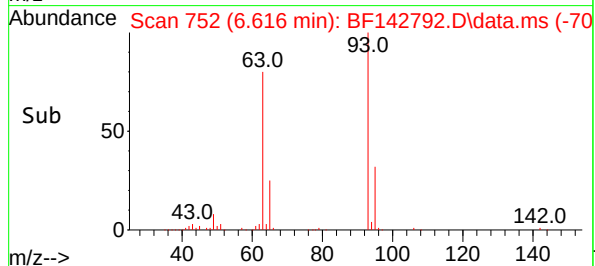
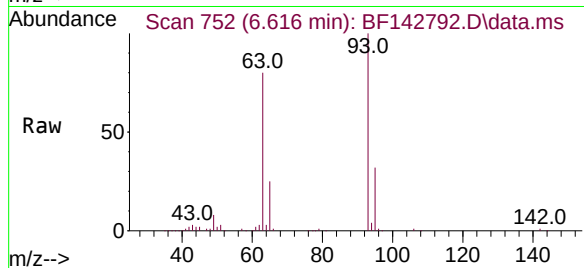




#11
bis(2-Chloroethyl)ether
Concen: 37.634 ng
RT: 6.616 min Scan# 752
Delta R.T. 0.000 min
Lab File: BF142792.D
Acq: 19 Jun 2025 19:09

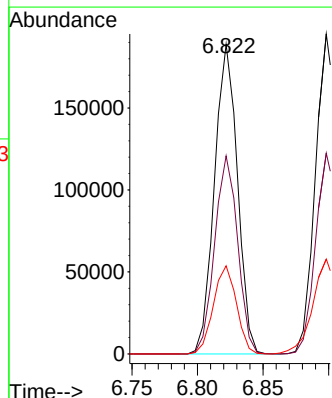
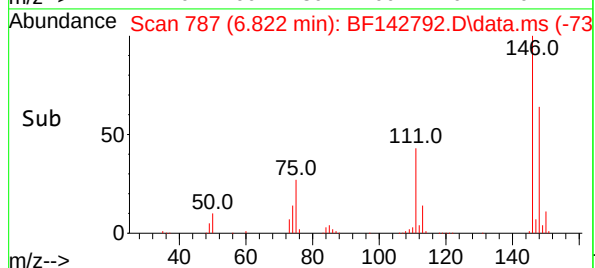
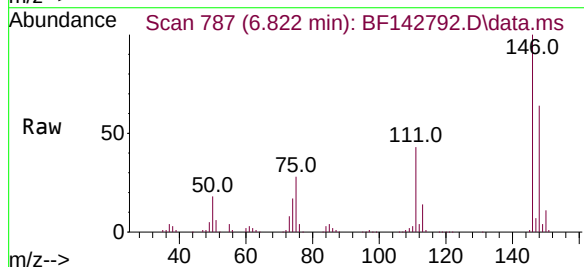
Instrument :
BNA_F
ClientSampleId :
SSTDICCC040

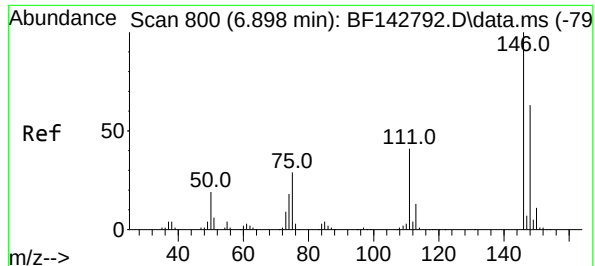
Tgt Ion: 93 Resp: 179469
Ion Ratio Lower Upper
93 100
63 80.3 60.3 100.3
95 32.5 12.5 52.5



#12
1,3-Dichlorobenzene
Concen: 37.892 ng
RT: 6.822 min Scan# 787
Delta R.T. 0.000 min
Lab File: BF142792.D
Acq: 19 Jun 2025 19:09

Tgt Ion: 146 Resp: 230658
Ion Ratio Lower Upper
146 100
148 63.9 51.1 76.7
75 28.4 22.7 34.1





#13

1,4-Dichlorobenzene

Concen: 38.243 ng

RT: 6.898 min Scan# 800

Delta R.T. 0.000 min

Lab File: BF142792.D

Acq: 19 Jun 2025 19:09

Instrument :

BNA_F

ClientSampleId :

SSTDICCC040

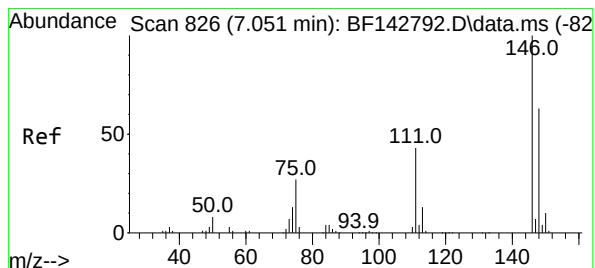
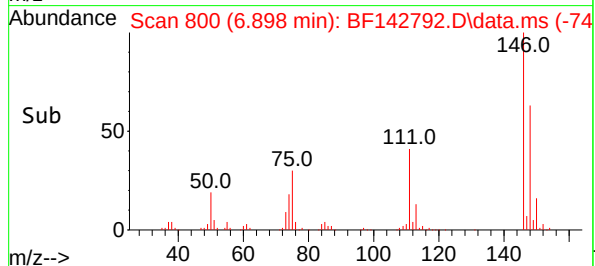
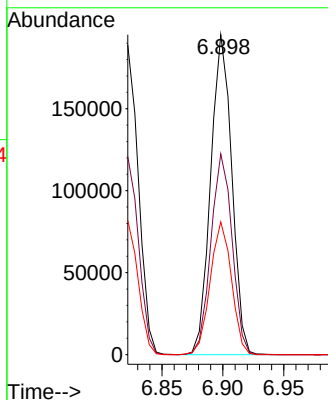
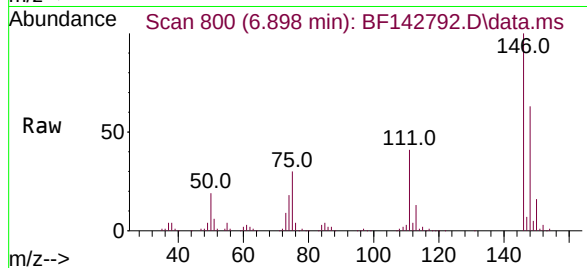
Tgt Ion:146 Resp: 235951

Ion Ratio Lower Upper

146 100

148 62.7 50.2 75.2

111 41.5 33.2 49.8



#14

1,2-Dichlorobenzene

Concen: 37.805 ng

RT: 7.051 min Scan# 826

Delta R.T. 0.000 min

Lab File: BF142792.D

Acq: 19 Jun 2025 19:09

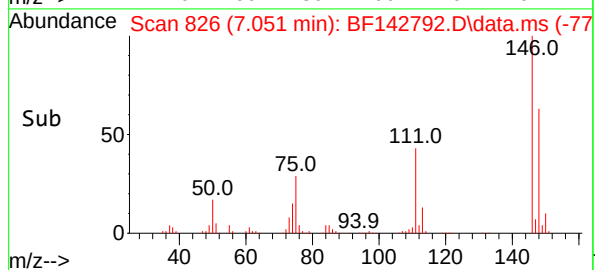
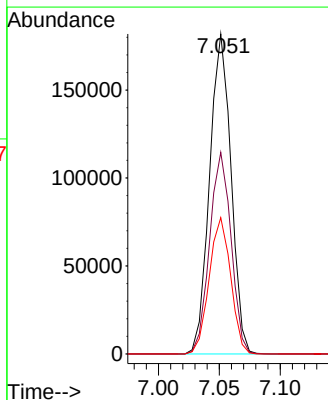
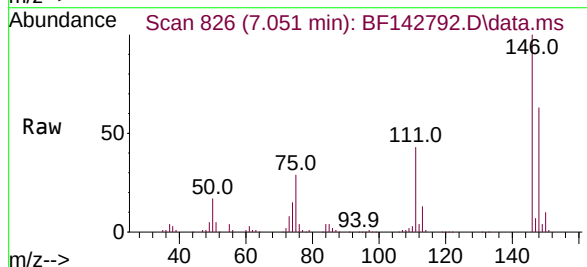
Tgt Ion:146 Resp: 222976

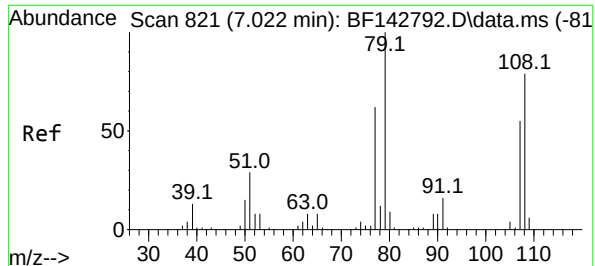
Ion Ratio Lower Upper

146 100

148 63.0 50.4 75.6

111 42.6 34.1 51.1





#15

Benzyl Alcohol

Concen: 37.888 ng

RT: 7.022 min Scan# 821

Delta R.T. 0.000 min

Lab File: BF142792.D

Acq: 19 Jun 2025 19:09

Instrument :

BNA_F

ClientSampleId :

SSTDICCC040

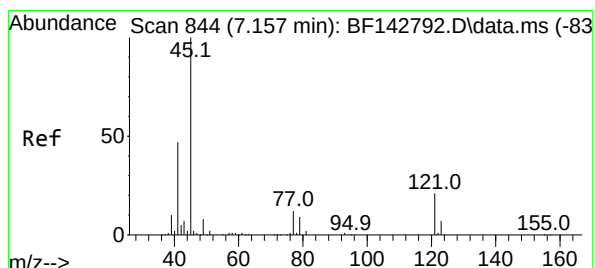
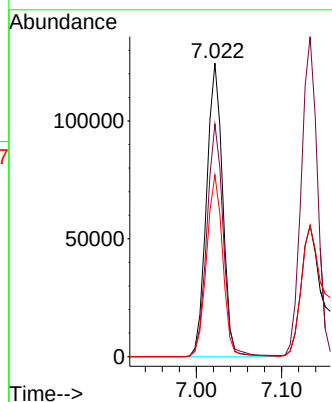
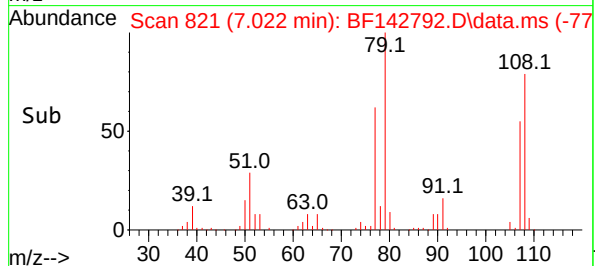
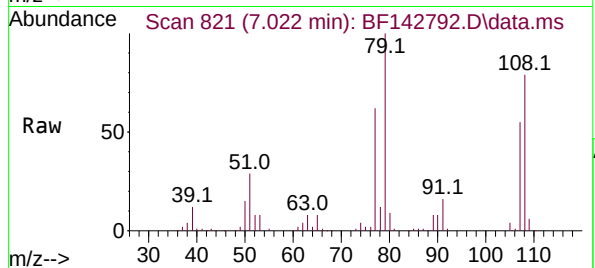
Tgt Ion: 79 Resp: 163491

Ion Ratio Lower Upper

79 100

108 79.2 63.4 95.0

77 61.9 49.5 74.3



#16

2,2'-oxybis(1-Chloropropane)

Concen: 38.400 ng

RT: 7.157 min Scan# 844

Delta R.T. 0.000 min

Lab File: BF142792.D

Acq: 19 Jun 2025 19:09

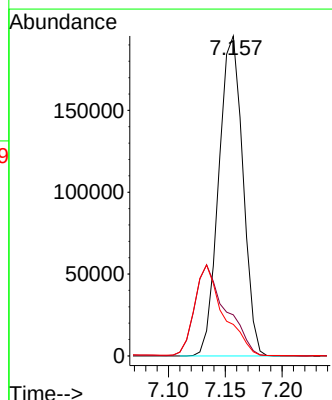
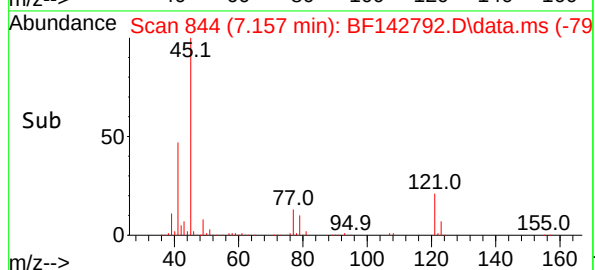
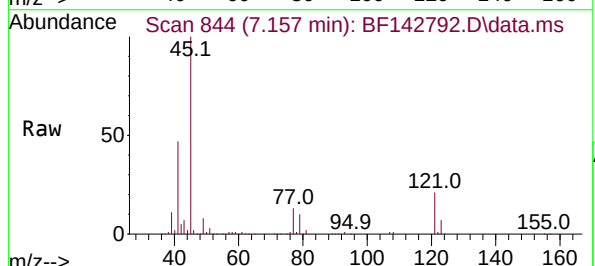
Tgt Ion: 45 Resp: 288515

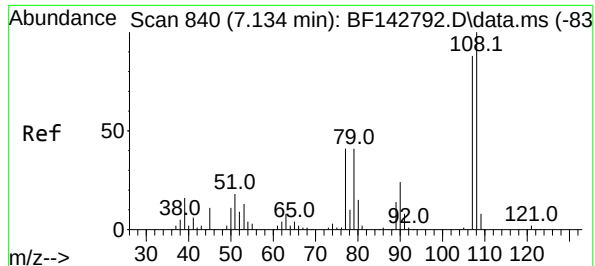
Ion Ratio Lower Upper

45 100

77 12.8 0.0 32.8

79 9.8 0.0 29.8

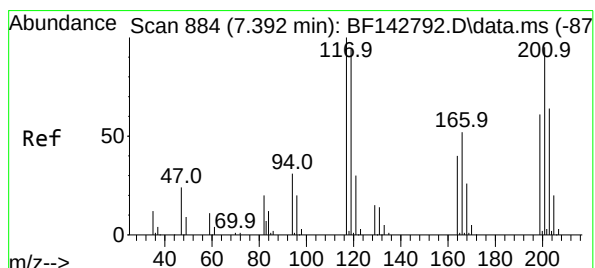
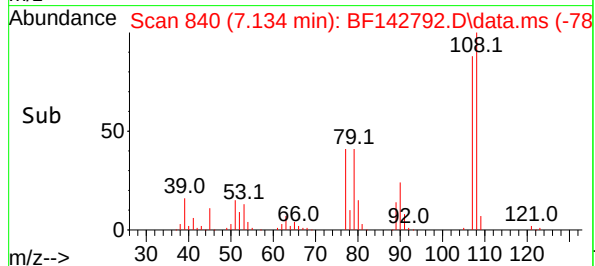
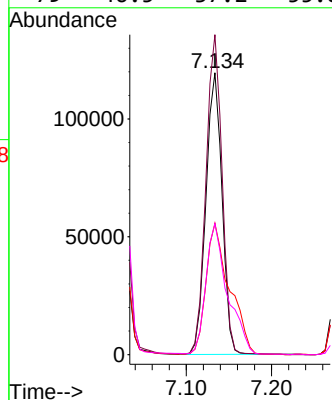
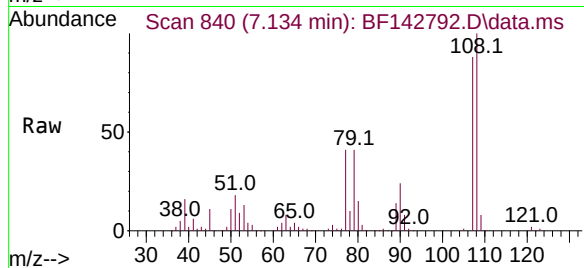




#17
2-Methylphenol
Concen: 38.454 ng
RT: 7.134 min Scan# 840
Delta R.T. 0.000 min
Lab File: BF142792.D
Acq: 19 Jun 2025 19:09

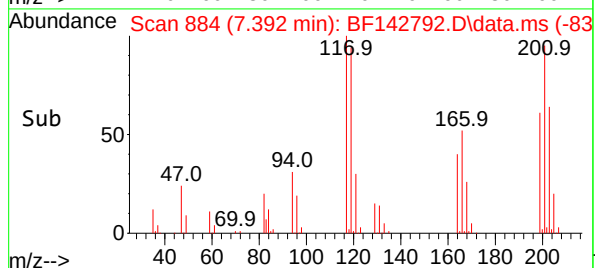
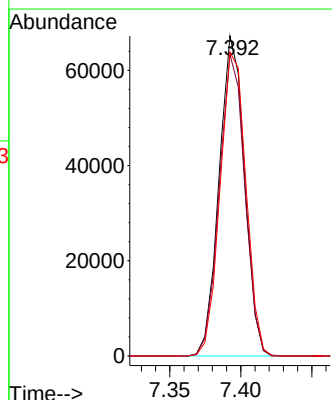
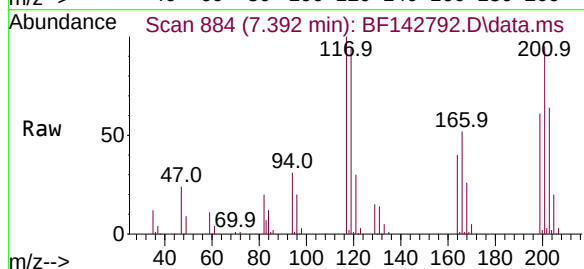
Instrument :
BNA_F
ClientSampleId :
SSTDICCC040

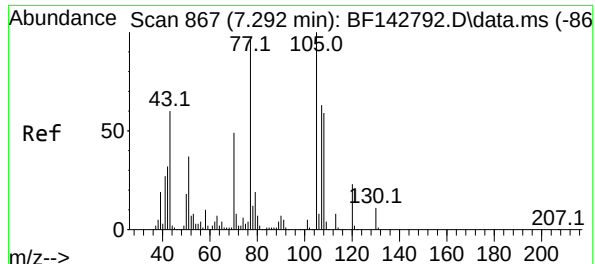
Tgt Ion:107 Resp: 157159
Ion Ratio Lower Upper
107 100
108 113.6 90.9 136.3
77 46.6 37.3 55.9
79 46.5 37.2 55.8



#18
Hexachloroethane
Concen: 37.870 ng
RT: 7.392 min Scan# 884
Delta R.T. 0.000 min
Lab File: BF142792.D
Acq: 19 Jun 2025 19:09

Tgt Ion:117 Resp: 83524
Ion Ratio Lower Upper
117 100
119 94.2 75.4 113.0
201 94.9 75.9 113.9





#19

n-Nitroso-di-n-propylamine

Concen: 36.251 ng

RT: 7.292 min Scan# 867

Delta R.T. 0.000 min

Lab File: BF142792.D

Acq: 19 Jun 2025 19:09

Instrument :

BNA_F

ClientSampleId :

SSTDICCC040

Tgt Ion: 70 Resp: 131792

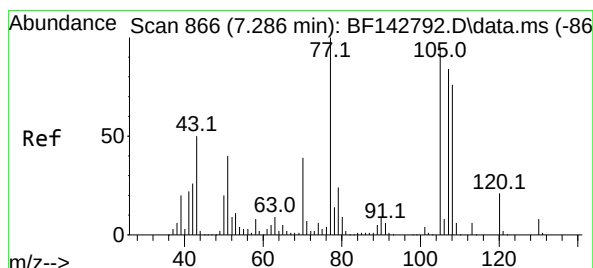
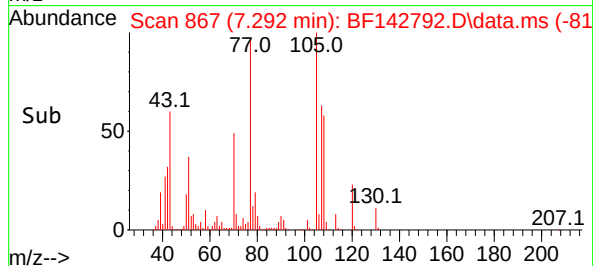
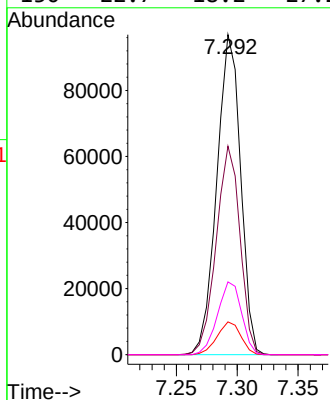
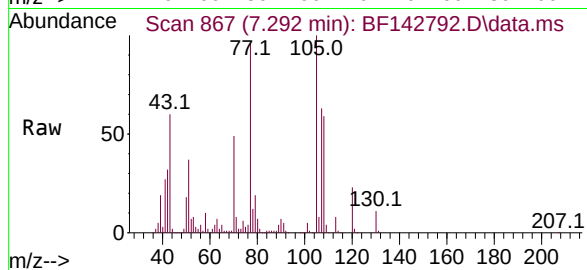
Ion Ratio Lower Upper

70 100

42 65.1 52.1 78.1

101 10.2 8.2 12.2

130 22.7 18.2 27.2



#20

3+4-Methylphenols

Concen: 38.274 ng

RT: 7.286 min Scan# 866

Delta R.T. 0.000 min

Lab File: BF142792.D

Acq: 19 Jun 2025 19:09

Tgt Ion: 107 Resp: 196876

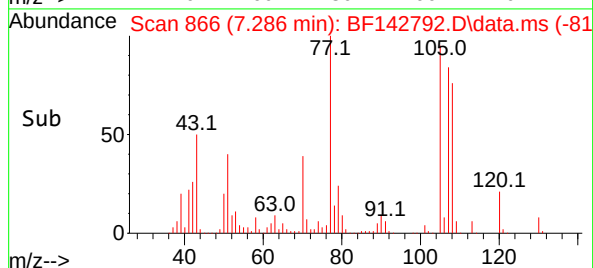
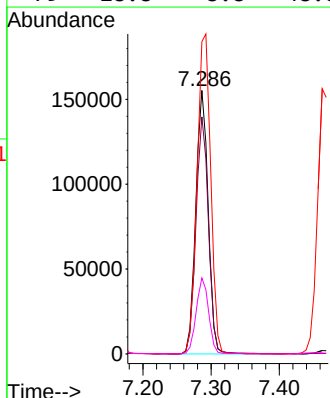
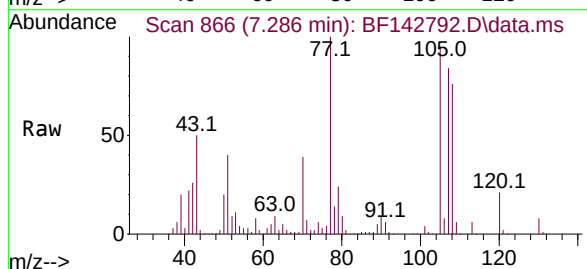
Ion Ratio Lower Upper

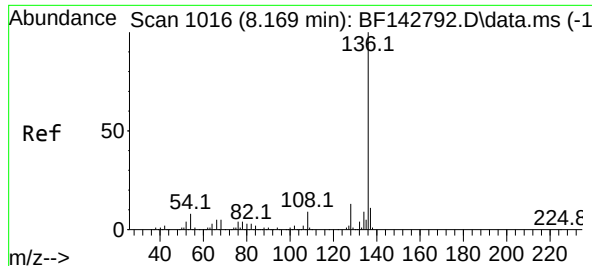
107 100

108 90.0 70.0 110.0

77 118.5 98.5 138.5

79 28.8 8.8 48.8





#21

Naphthalene-d8

Concen: 20.000 ng

RT: 8.169 min Scan# 1016

Delta R.T. 0.000 min

Lab File: BF142792.D

Acq: 19 Jun 2025 19:09

Instrument :

BNA_F

ClientSampleId :

SSTDICCC040

Tgt Ion:136 Resp: 313297

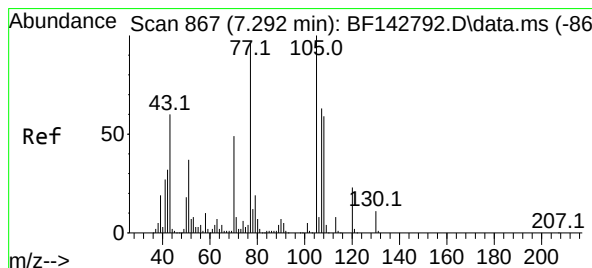
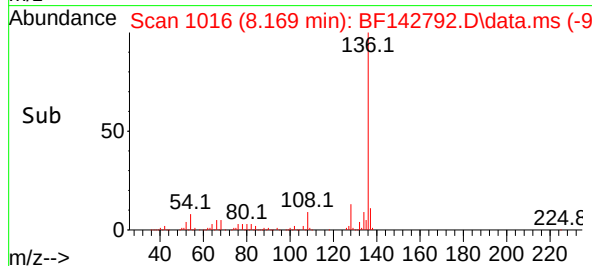
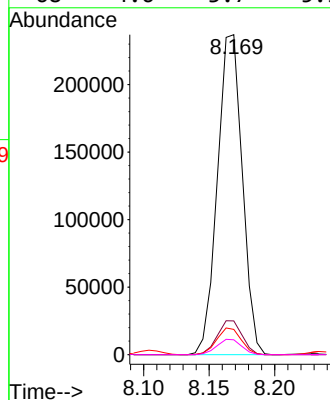
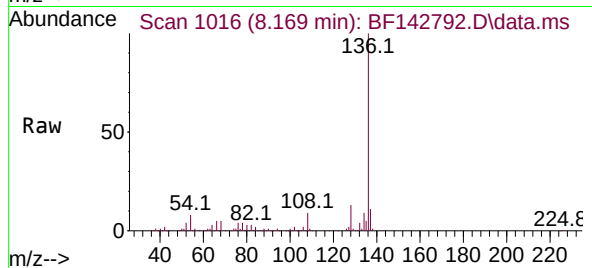
Ion Ratio Lower Upper

136 100

137 10.5 8.4 12.6

54 7.9 6.3 9.5

68 4.6 3.7 5.5



#22

Acetophenone

Concen: 37.828 ng

RT: 7.292 min Scan# 867

Delta R.T. 0.000 min

Lab File: BF142792.D

Acq: 19 Jun 2025 19:09

Tgt Ion:105 Resp: 262224

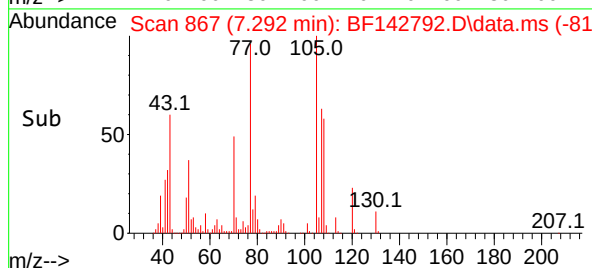
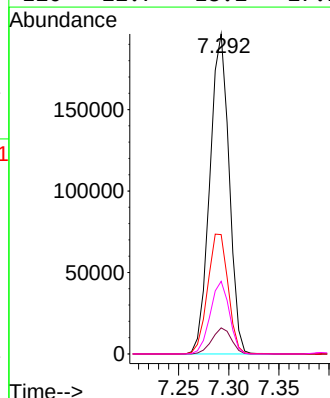
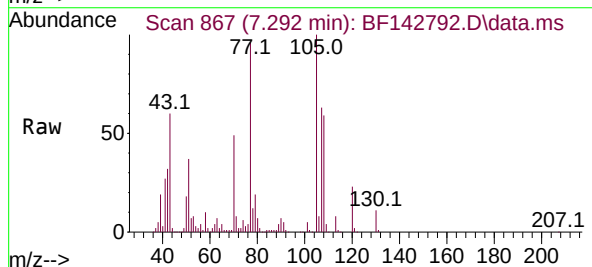
Ion Ratio Lower Upper

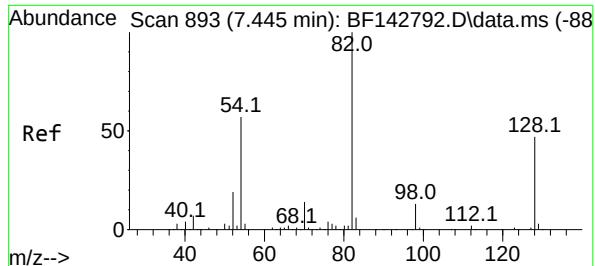
105 100

71 8.1 6.5 9.7

51 37.3 29.8 44.8

120 22.7 18.2 27.2





#23

Nitrobenzene-d5

Concen: 77.580 ng

RT: 7.445 min Scan# 893

Delta R.T. 0.000 min

Lab File: BF142792.D

Acq: 19 Jun 2025 19:09

Instrument :

BNA_F

ClientSampleId :

SSTDICCC040

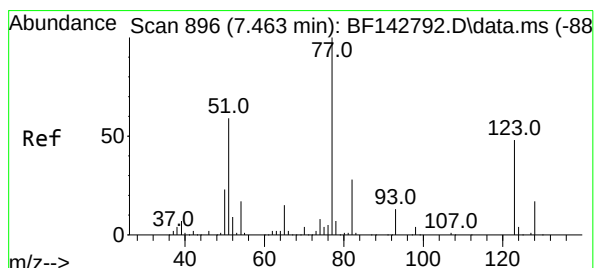
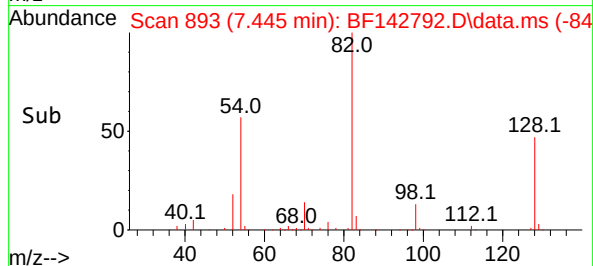
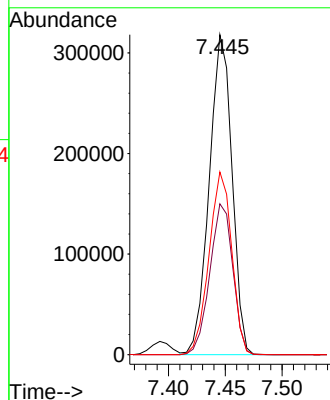
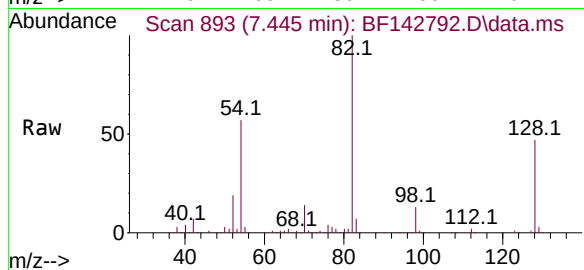
Tgt Ion: 82 Resp: 443431

Ion Ratio Lower Upper

82 100

128 47.1 37.7 56.5

54 57.1 45.7 68.5



#24

Nitrobenzene

Concen: 39.383 ng

RT: 7.463 min Scan# 896

Delta R.T. 0.000 min

Lab File: BF142792.D

Acq: 19 Jun 2025 19:09

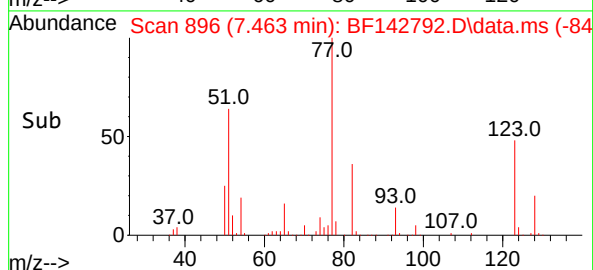
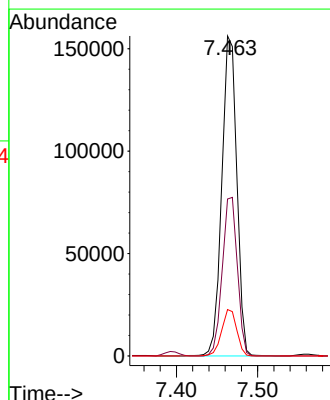
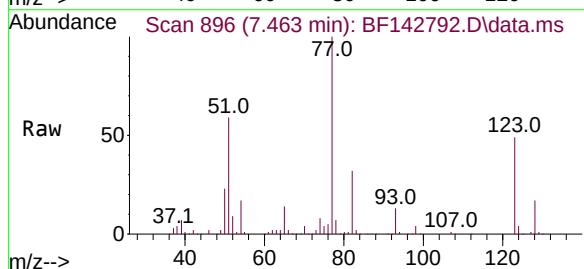
Tgt Ion: 77 Resp: 200051

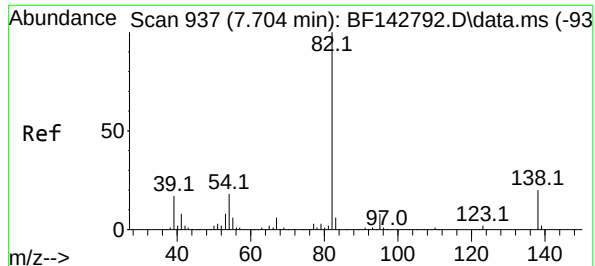
Ion Ratio Lower Upper

77 100

123 49.0 39.2 58.8

65 14.5 11.6 17.4

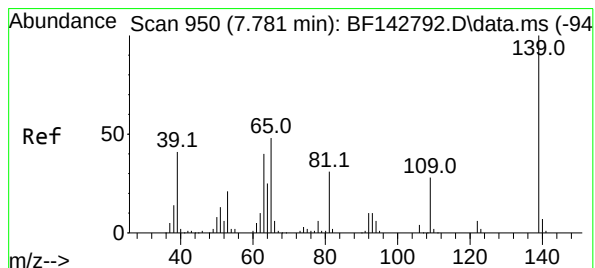
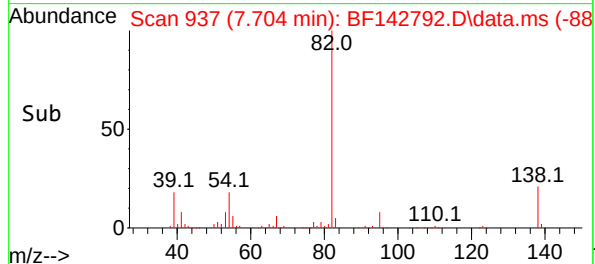
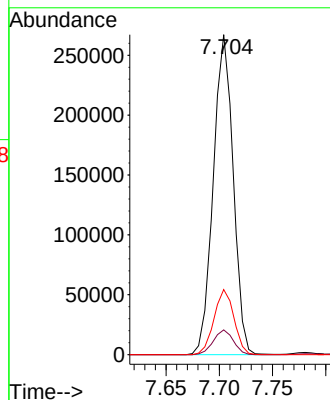
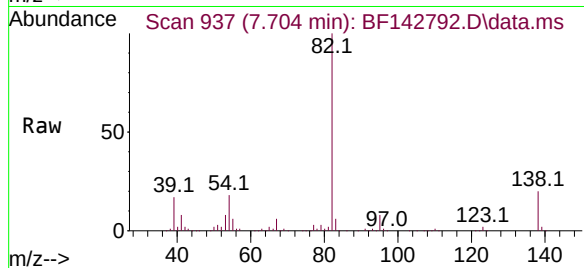




#25
Isophorone
Concen: 36.294 ng
RT: 7.704 min Scan# 937
Delta R.T. 0.000 min
Lab File: BF142792.D
Acq: 19 Jun 2025 19:09

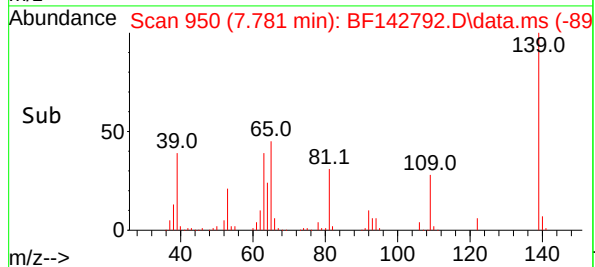
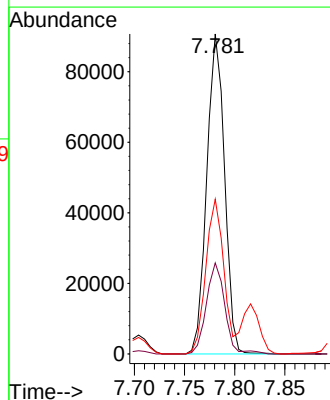
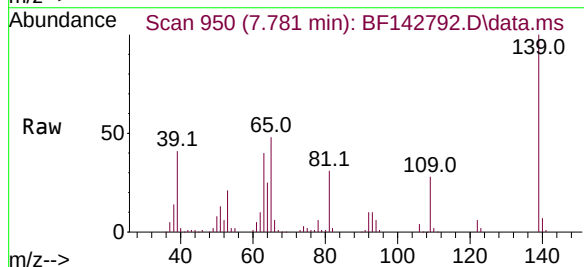
Instrument :
BNA_F
ClientSampleId :
SSTDICCC040

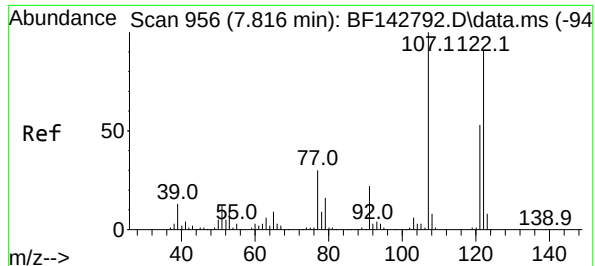
Tgt Ion:	82	Resp:	347894
Ion Ratio	Lower	Upper	
82	100		
95	7.7	6.2	9.2
138	20.3	16.2	24.4



#26
2-Nitrophenol
Concen: 39.497 ng
RT: 7.781 min Scan# 950
Delta R.T. 0.000 min
Lab File: BF142792.D
Acq: 19 Jun 2025 19:09

Tgt Ion:	139	Resp:	111792
Ion Ratio	Lower	Upper	
139	100		
109	28.4	22.7	34.1
65	48.3	38.6	58.0





#27

2,4-Dimethylphenol

Concen: 38.974 ng

RT: 7.816 min Scan# 91

Delta R.T. 0.000 min

Lab File: BF142792.D

Acq: 19 Jun 2025 19:09

Instrument :

BNA_F

ClientSampleId :

SSTDICCC040

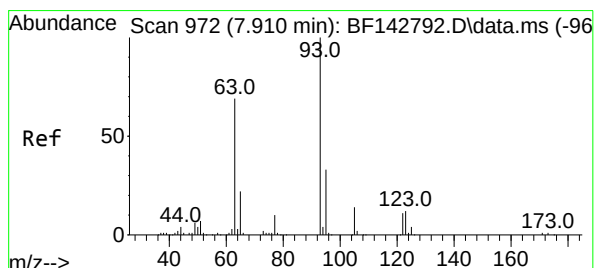
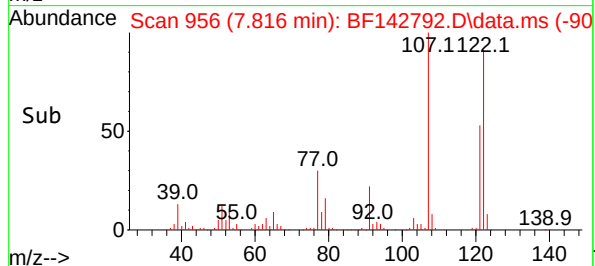
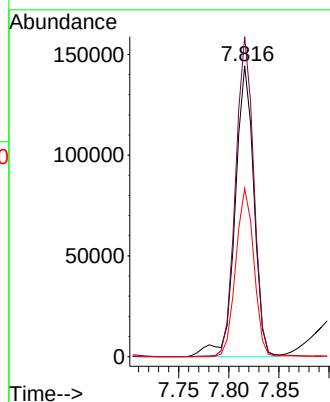
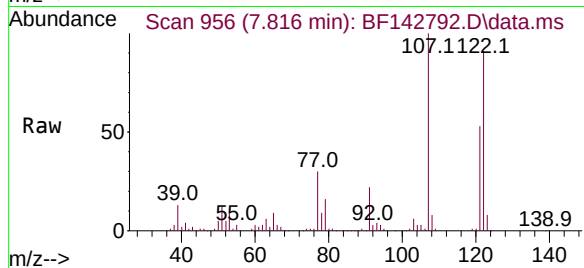
Tgt Ion:122 Resp: 187808

Ion Ratio Lower Upper

122 100

107 110.0 88.0 132.0

121 57.9 46.3 69.5



#28

bis(2-Chloroethoxy)methane

Concen: 37.249 ng

RT: 7.910 min Scan# 972

Delta R.T. 0.000 min

Lab File: BF142792.D

Acq: 19 Jun 2025 19:09

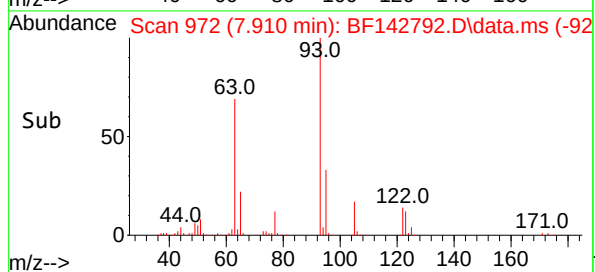
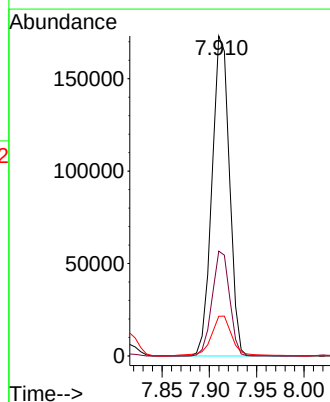
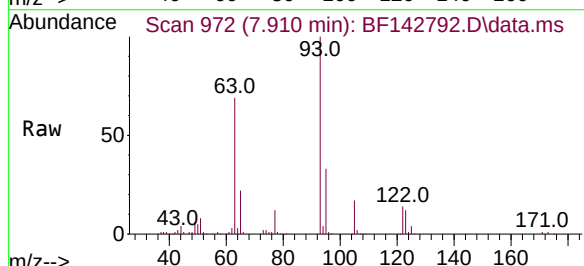
Tgt Ion: 93 Resp: 222264

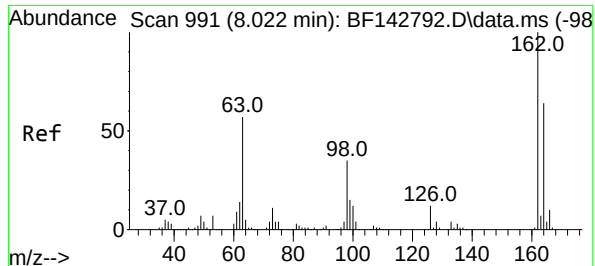
Ion Ratio Lower Upper

93 100

95 32.7 26.2 39.2

123 12.4 9.9 14.9





#29

2,4-Dichlorophenol

Concen: 38.576 ng

RT: 8.022 min Scan# 991

Delta R.T. 0.000 min

Lab File: BF142792.D

Acq: 19 Jun 2025 19:09

Instrument :

BNA_F

ClientSampleId :

SSTDICCC040

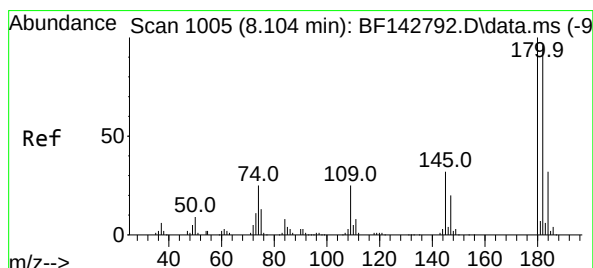
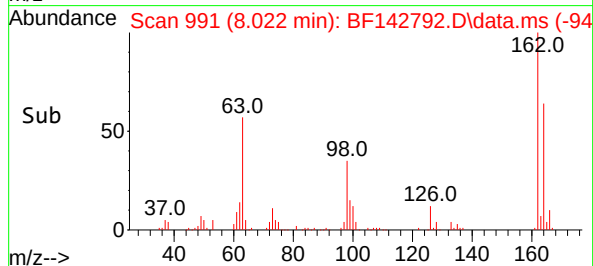
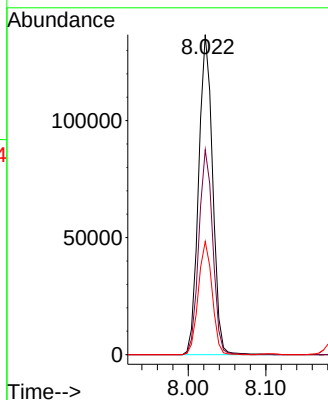
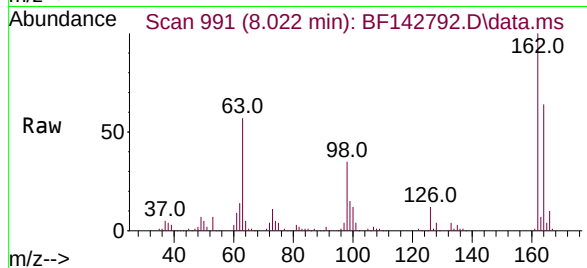
Tgt Ion:162 Resp: 171329

Ion Ratio Lower Upper

162 100

164 64.0 44.0 84.0

98 35.4 15.4 55.4



#30

1,2,4-Trichlorobenzene

Concen: 38.155 ng

RT: 8.104 min Scan# 1005

Delta R.T. 0.000 min

Lab File: BF142792.D

Acq: 19 Jun 2025 19:09

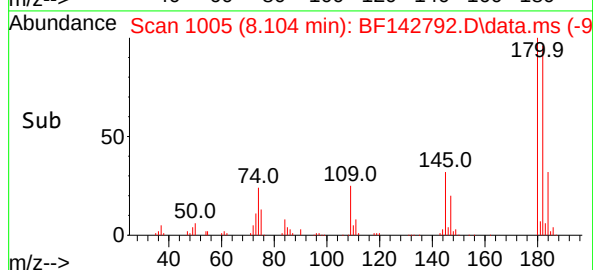
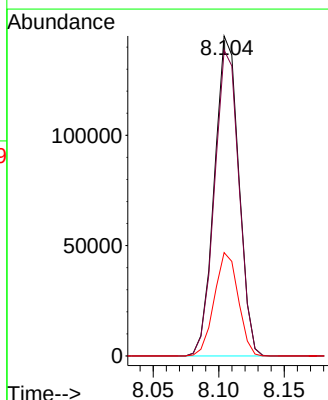
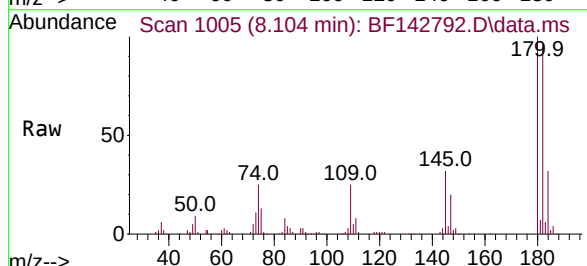
Tgt Ion:180 Resp: 187194

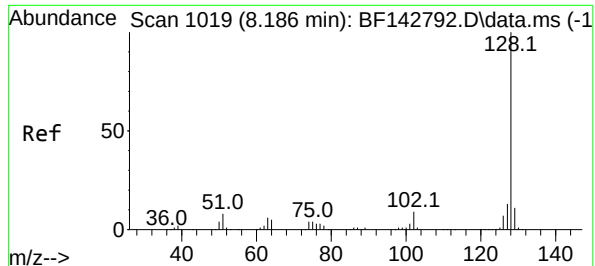
Ion Ratio Lower Upper

180 100

182 95.5 76.4 114.6

145 32.3 25.8 38.8





#31

Naphthalene

Concen: 37.966 ng

RT: 8.186 min Scan# 1019

Delta R.T. 0.000 min

Lab File: BF142792.D

Acq: 19 Jun 2025 19:09

Instrument :

BNA_F

ClientSampleId :

SSTDICCC040

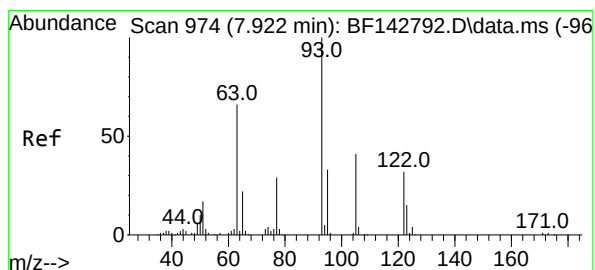
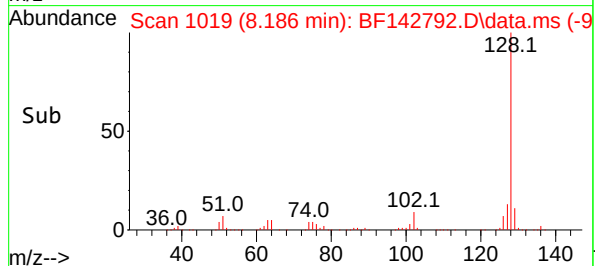
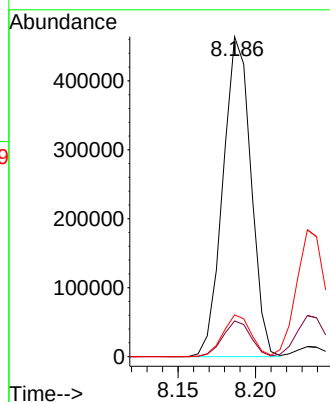
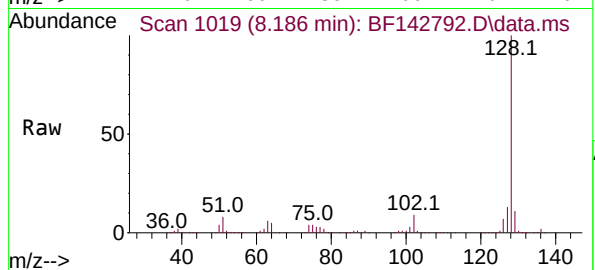
Tgt Ion:128 Resp: 584986

Ion Ratio Lower Upper

128 100

129 11.1 8.9 13.3

127 13.0 10.4 15.6



#32

Benzoic acid

Concen: 36.734 ng

RT: 7.922 min Scan# 974

Delta R.T. 0.000 min

Lab File: BF142792.D

Acq: 19 Jun 2025 19:09

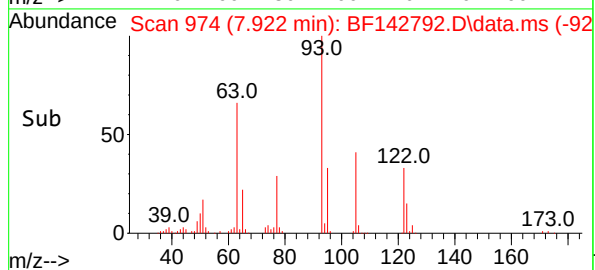
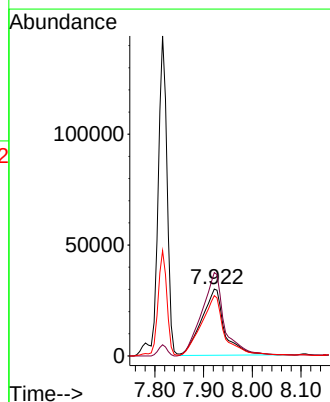
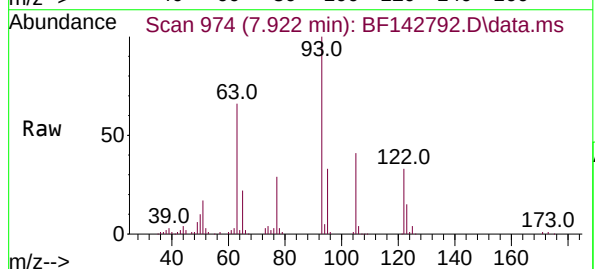
Tgt Ion:122 Resp: 98210

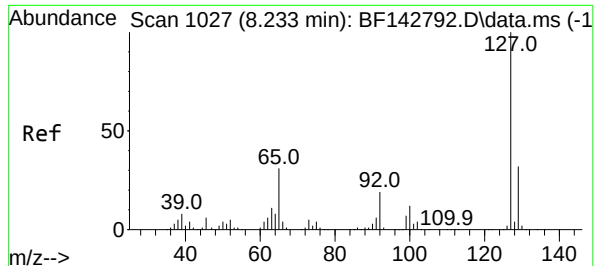
Ion Ratio Lower Upper

122 100

105 124.7 104.7 144.7

77 90.2 70.2 110.2





#33

4-Chloroaniline

Concen: 38.432 ng

RT: 8.233 min Scan# 1027

Delta R.T. 0.000 min

Lab File: BF142792.D

Acq: 19 Jun 2025 19:09

Instrument :

BNA_F

ClientSampleId :

SSTDICCC040

Tgt Ion:127 Resp: 237317

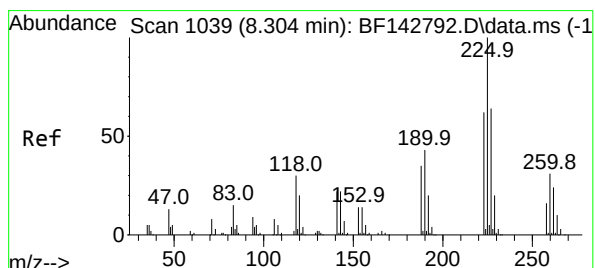
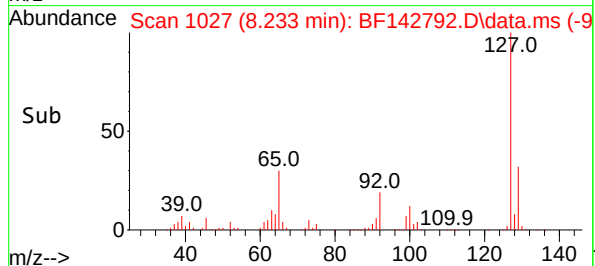
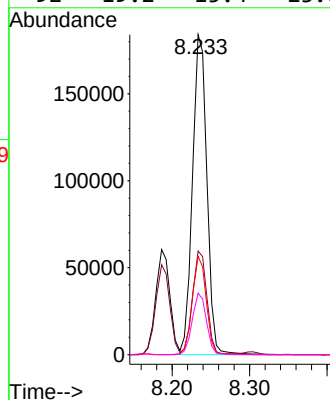
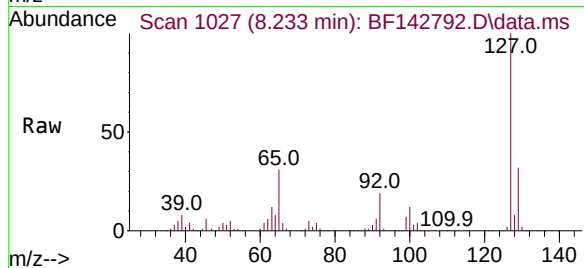
Ion Ratio Lower Upper

127 100

129 32.4 25.9 38.9

65 30.7 24.6 36.8

92 19.2 15.4 23.0



#34

Hexachlorobutadiene

Concen: 37.099 ng

RT: 8.304 min Scan# 1039

Delta R.T. 0.000 min

Lab File: BF142792.D

Acq: 19 Jun 2025 19:09

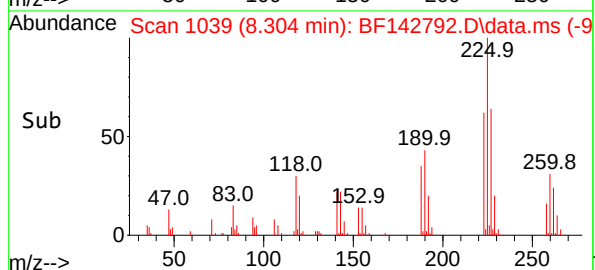
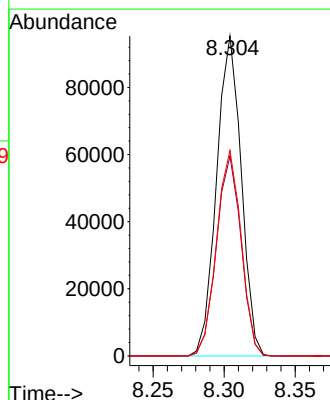
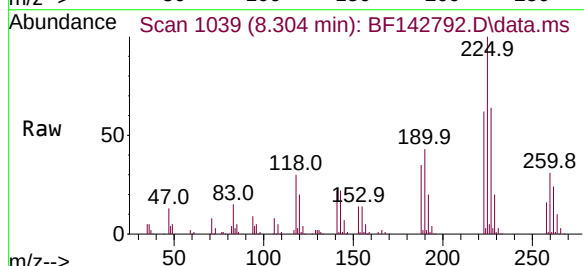
Tgt Ion:225 Resp: 115333

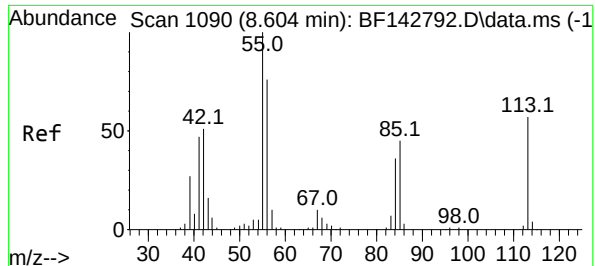
Ion Ratio Lower Upper

225 100

223 62.4 49.9 74.9

227 64.2 51.4 77.0

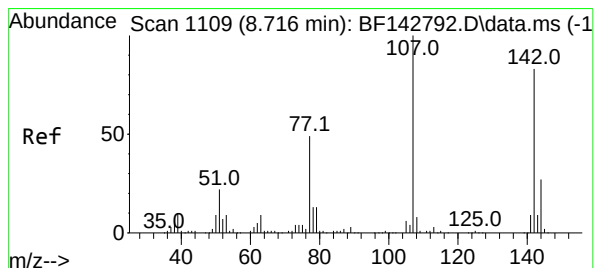
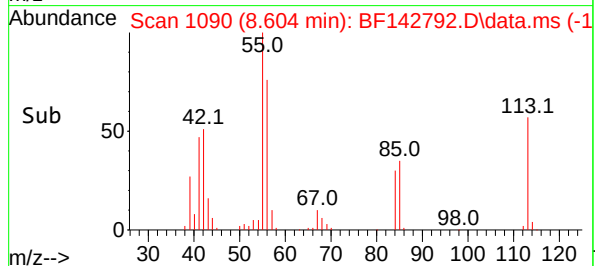
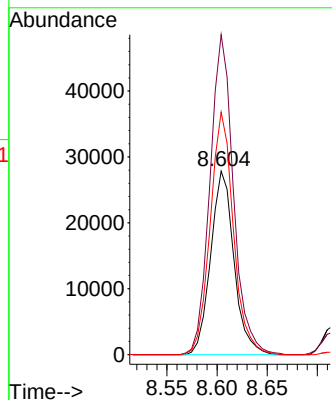
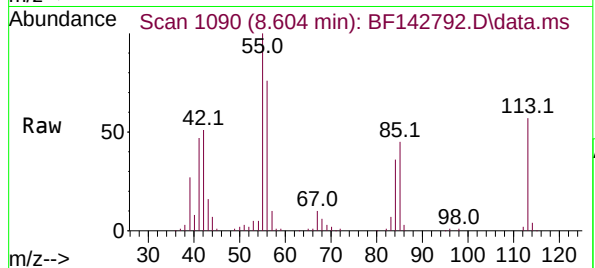




#35
Caprolactam
Concen: 37.583 ng
RT: 8.604 min Scan# 1090
Delta R.T. 0.000 min
Lab File: BF142792.D
Acq: 19 Jun 2025 19:09

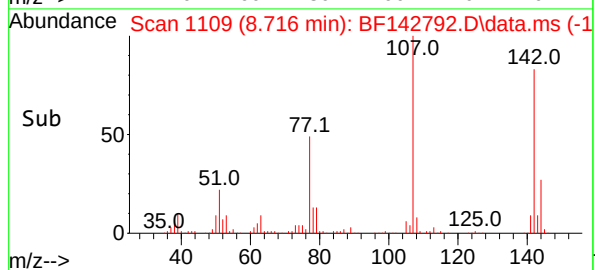
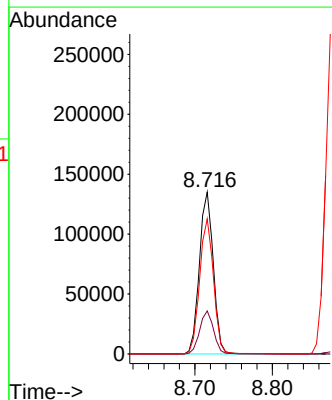
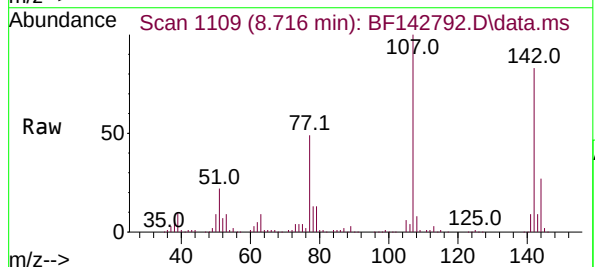
Instrument :
BNA_F
ClientSampleId :
SSTDICCC040

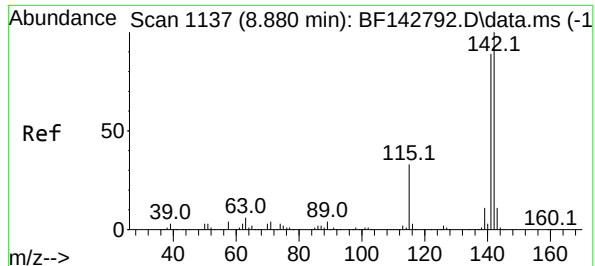
Tgt Ion:113 Resp: 44914
Ion Ratio Lower Upper
113 100
55 174.4 154.4 194.4
56 132.1 112.1 152.1



#36
4-Chloro-3-methylphenol
Concen: 36.695 ng
RT: 8.716 min Scan# 1109
Delta R.T. 0.000 min
Lab File: BF142792.D
Acq: 19 Jun 2025 19:09

Tgt Ion:107 Resp: 168353
Ion Ratio Lower Upper
107 100
144 26.6 21.3 31.9
142 83.3 66.6 100.0





#37

2-Methylnaphthalene

Concen: 37.313 ng

RT: 8.880 min Scan# 1137

Delta R.T. 0.000 min

Lab File: BF142792.D

Acq: 19 Jun 2025 19:09

Instrument :

BNA_F

ClientSampleId :

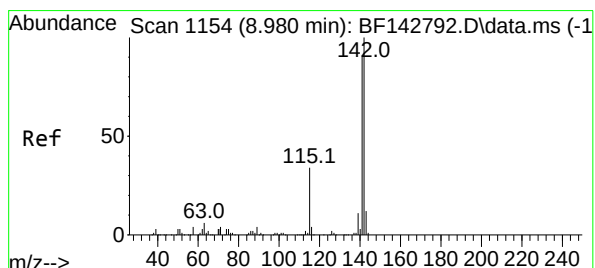
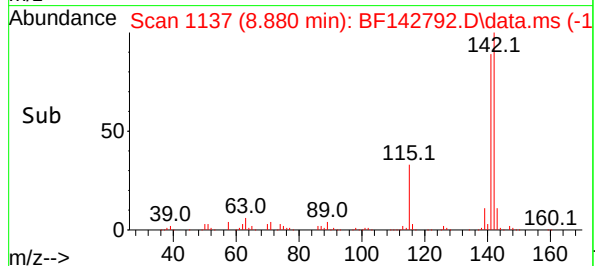
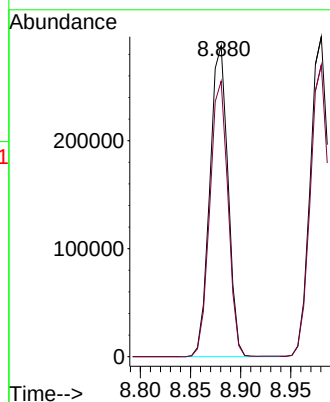
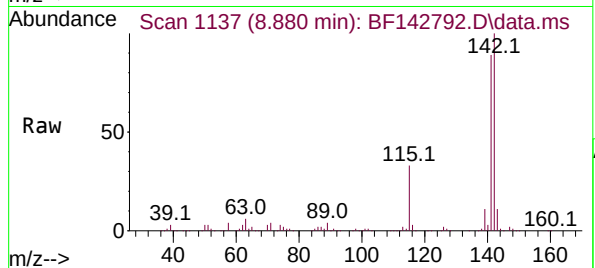
SSTDICCC040

Tgt Ion:142 Resp: 362692

Ion Ratio Lower Upper

142 100

141 88.6 70.9 106.3



#38

1-Methylnaphthalene

Concen: 37.143 ng

RT: 8.980 min Scan# 1154

Delta R.T. 0.000 min

Lab File: BF142792.D

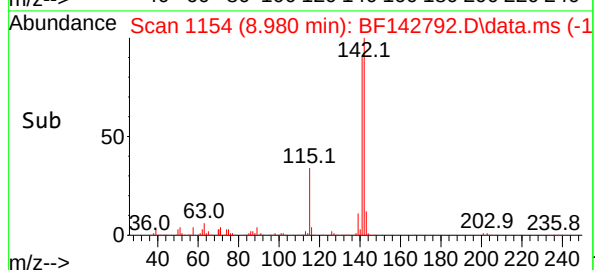
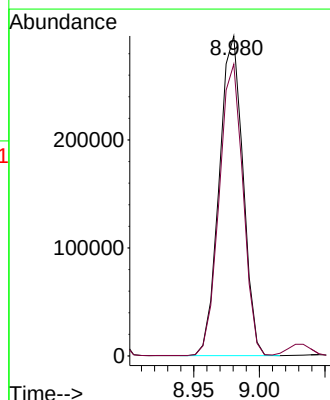
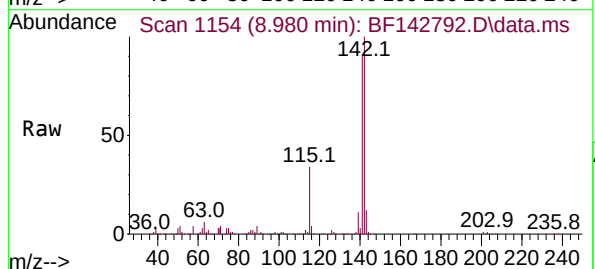
Acq: 19 Jun 2025 19:09

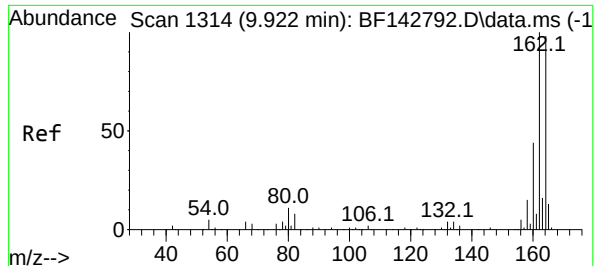
Tgt Ion:142 Resp: 374836

Ion Ratio Lower Upper

142 100

141 91.2 73.0 109.4





#39

Acenaphthene-d10

Concen: 20.000 ng

RT: 9.922 min Scan# 1314

Delta R.T. 0.000 min

Lab File: BF142792.D

Acq: 19 Jun 2025 19:09

Instrument :

BNA_F

ClientSampleId :

SSTDICCC040

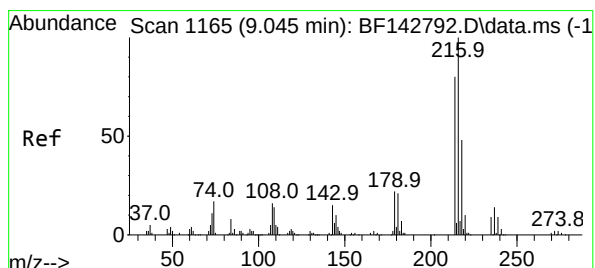
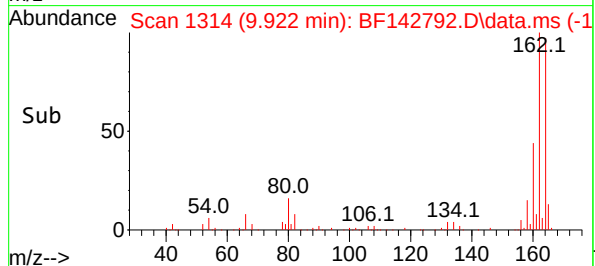
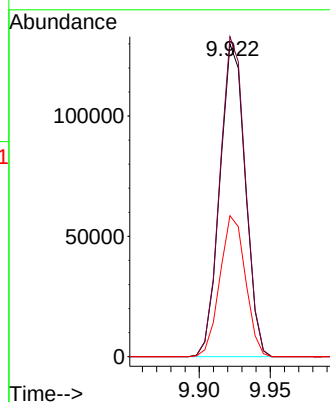
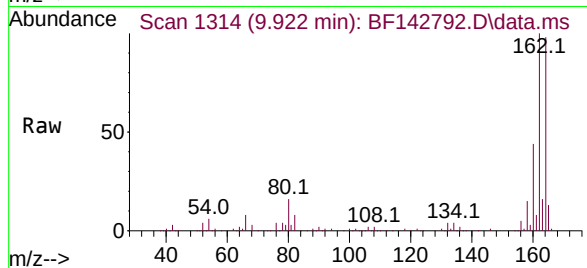
Tgt Ion:164 Resp: 161991

Ion Ratio Lower Upper

164 100

162 102.3 81.8 122.8

160 45.0 36.0 54.0



#40

1,2,4,5-Tetrachlorobenzene

Concen: 38.596 ng

RT: 9.045 min Scan# 1165

Delta R.T. 0.000 min

Lab File: BF142792.D

Acq: 19 Jun 2025 19:09

Tgt Ion:216 Resp: 180481

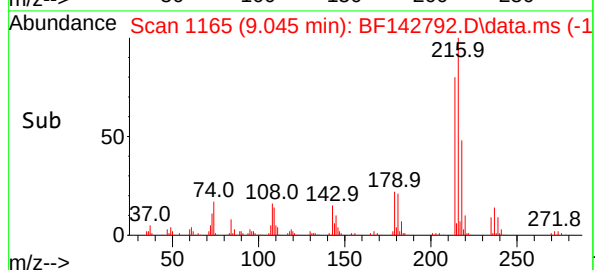
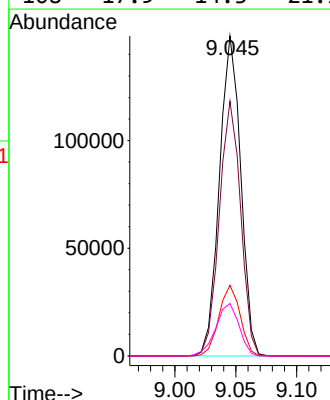
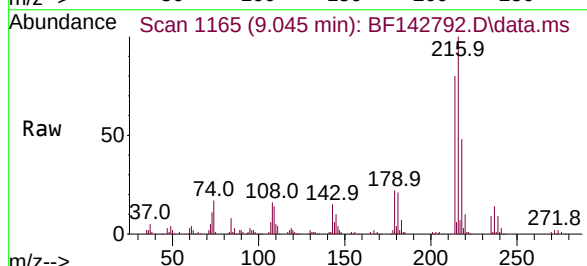
Ion Ratio Lower Upper

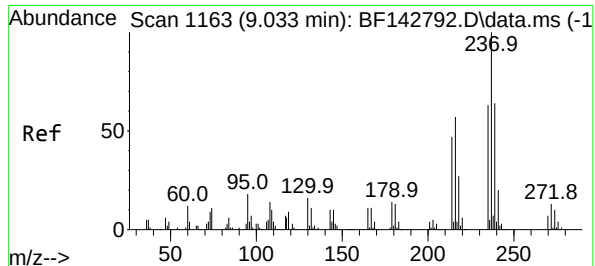
216 100

214 79.6 63.7 95.5

179 22.0 17.6 26.4

108 17.9 14.3 21.5

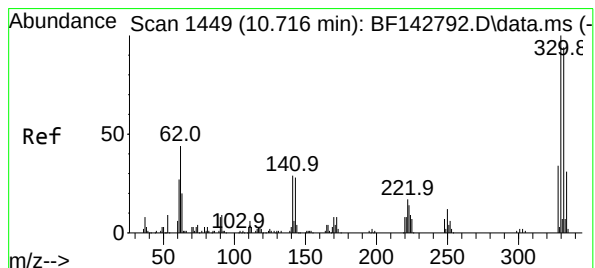
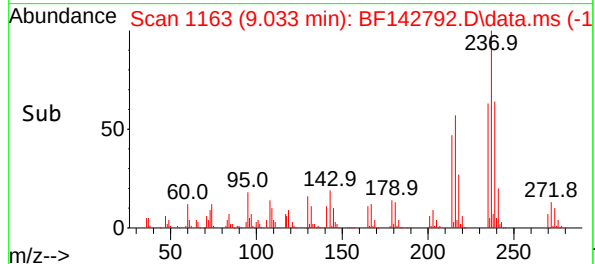
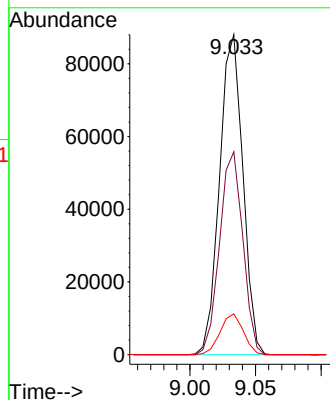
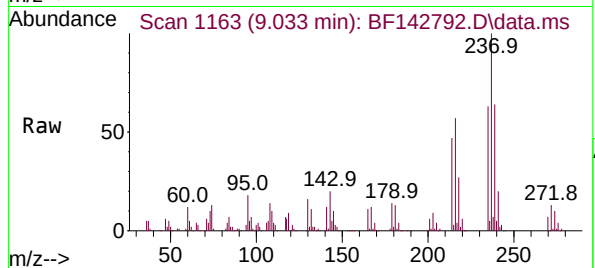




#41
Hexachlorocyclopentadiene
Concen: 36.863 ng
RT: 9.033 min Scan# 1163
Delta R.T. 0.000 min
Lab File: BF142792.D
Acq: 19 Jun 2025 19:09

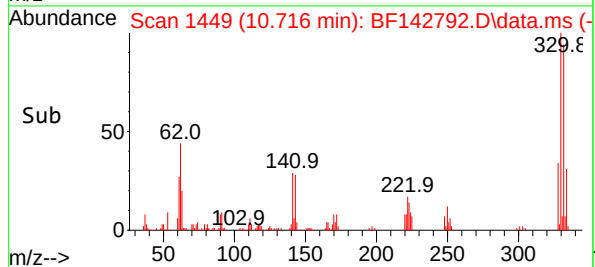
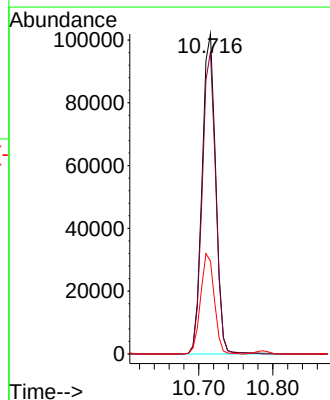
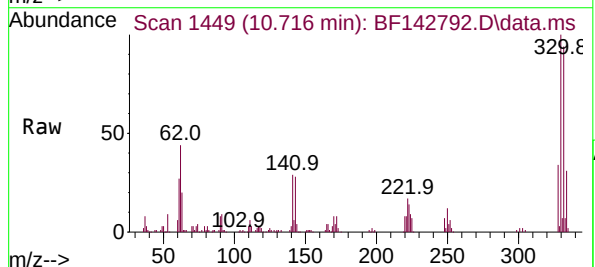
Instrument :
BNA_F
ClientSampleId :
SSTDICCC040

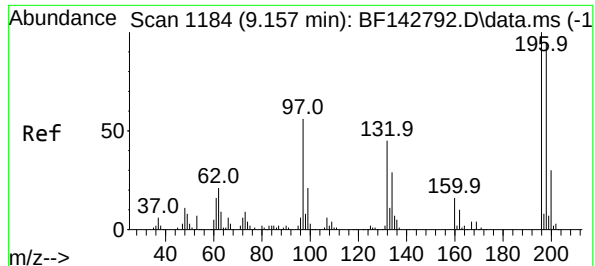
Tgt Ion:237 Resp: 108999
Ion Ratio Lower Upper
237 100
235 63.4 43.4 83.4
272 12.7 0.0 32.7



#42
2,4,6-Tribromophenol
Concen: 73.654 ng
RT: 10.716 min Scan# 1449
Delta R.T. 0.000 min
Lab File: BF142792.D
Acq: 19 Jun 2025 19:09

Tgt Ion:330 Resp: 129669
Ion Ratio Lower Upper
330 100
332 93.8 75.0 112.6
141 31.6 25.3 37.9





#43

2,4,6-Trichlorophenol

Concen: 39.129 ng

RT: 9.157 min Scan# 1184

Delta R.T. 0.000 min

Lab File: BF142792.D

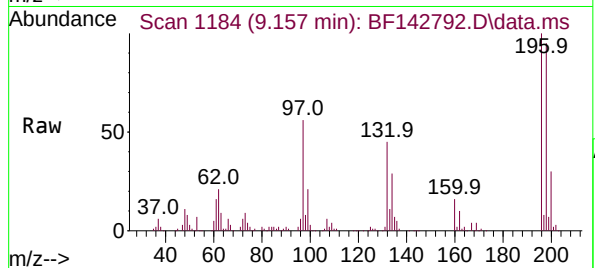
Acq: 19 Jun 2025 19:09

Instrument :

BNA_F

ClientSampleId :

SSTDICCC040



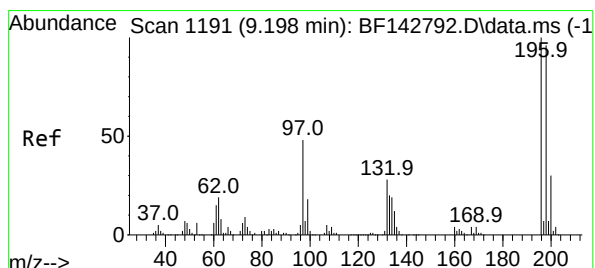
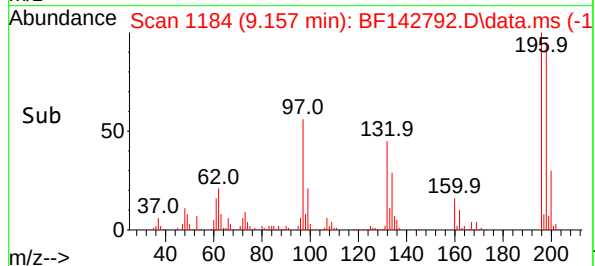
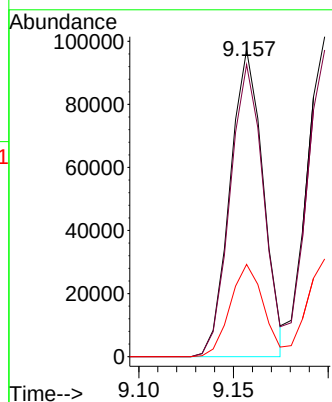
Tgt Ion:196 Resp: 118412

Ion Ratio Lower Upper

196 100

198 95.2 76.2 114.2

200 30.1 24.1 36.1



#44

2,4,5-Trichlorophenol

Concen: 38.774 ng

RT: 9.198 min Scan# 1191

Delta R.T. 0.000 min

Lab File: BF142792.D

Acq: 19 Jun 2025 19:09

Tgt Ion:196 Resp: 126712

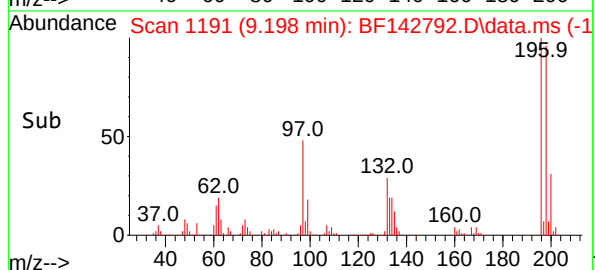
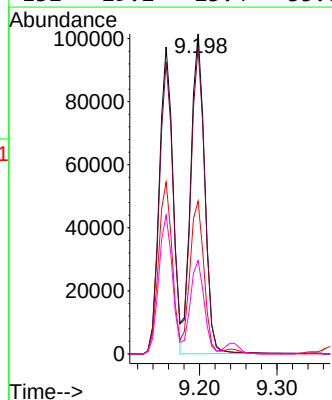
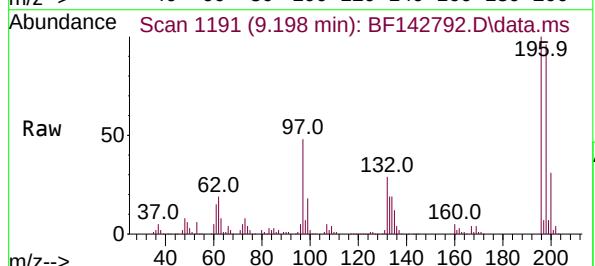
Ion Ratio Lower Upper

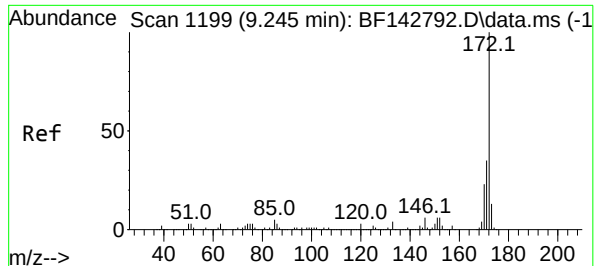
196 100

198 95.8 76.6 115.0

97 47.7 38.2 57.2

132 29.2 23.4 35.0





#45

2-Fluorobiphenyl

Concen: 76.120 ng

RT: 9.245 min Scan# 1199

Delta R.T. 0.000 min

Lab File: BF142792.D

Acq: 19 Jun 2025 19:09

Instrument :

BNA_F

ClientSampleId :

SSTDICCC040

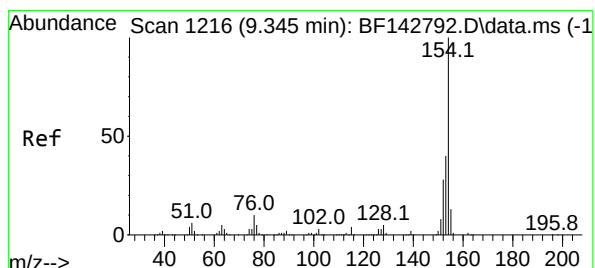
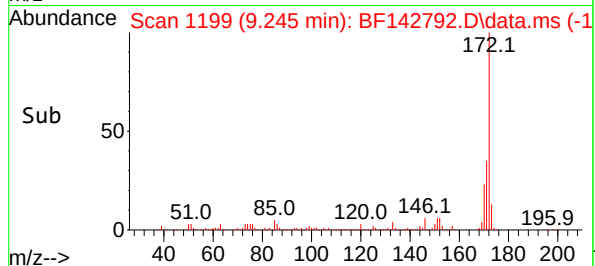
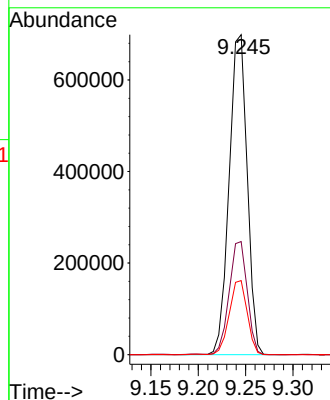
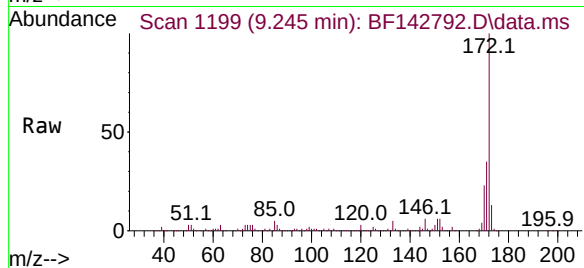
Tgt Ion:172 Resp: 926905

Ion Ratio Lower Upper

172 100

171 35.3 28.2 42.4

170 23.1 18.5 27.7



#46

1,1'-Biphenyl

Concen: 38.765 ng

RT: 9.345 min Scan# 1216

Delta R.T. 0.000 min

Lab File: BF142792.D

Acq: 19 Jun 2025 19:09

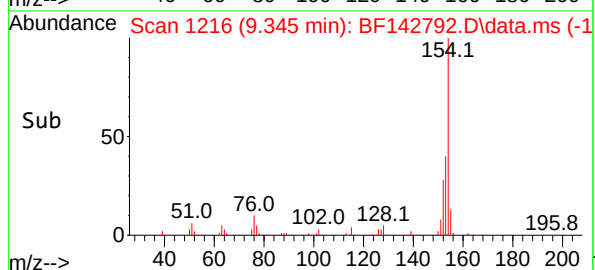
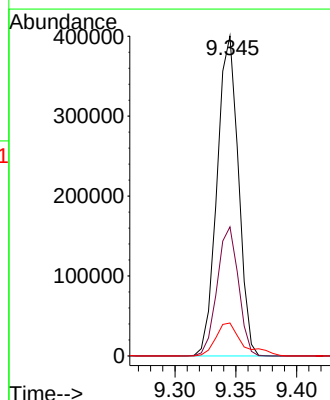
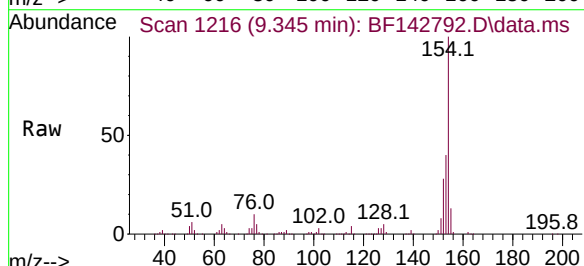
Tgt Ion:154 Resp: 487587

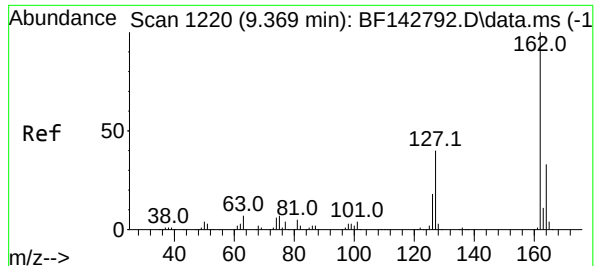
Ion Ratio Lower Upper

154 100

153 40.3 20.3 60.3

76 10.3 0.0 30.3





#47

2-Chloronaphthalene

Concen: 39.408 ng

RT: 9.369 min Scan# 1220

Delta R.T. 0.000 min

Lab File: BF142792.D

Acq: 19 Jun 2025 19:09

Instrument :

BNA_F

ClientSampleId :

SSTDICCC040

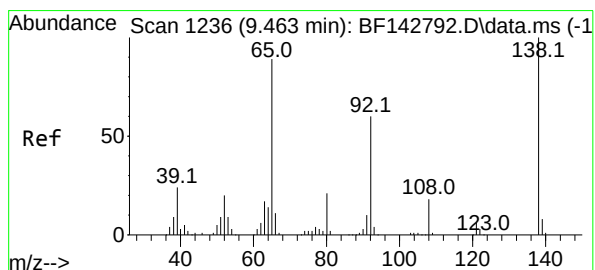
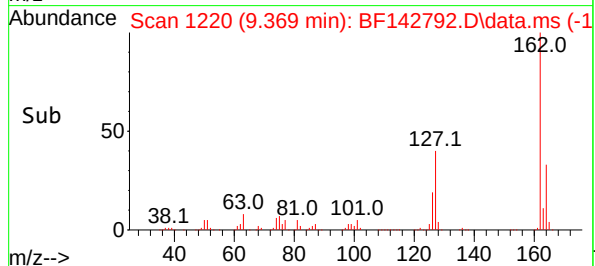
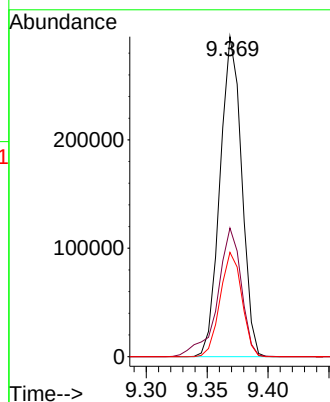
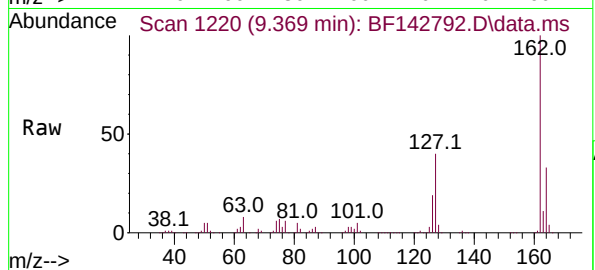
Tgt Ion:162 Resp: 365760

Ion Ratio Lower Upper

162 100

127 40.2 32.2 48.2

164 32.6 26.1 39.1



#48

2-Nitroaniline

Concen: 39.858 ng

RT: 9.463 min Scan# 1236

Delta R.T. 0.000 min

Lab File: BF142792.D

Acq: 19 Jun 2025 19:09

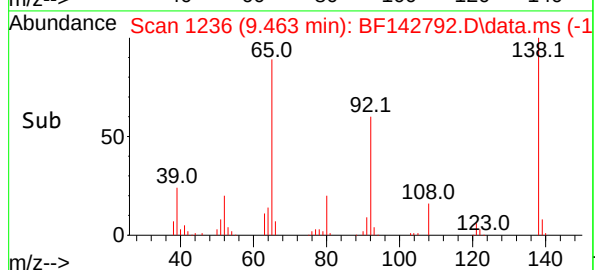
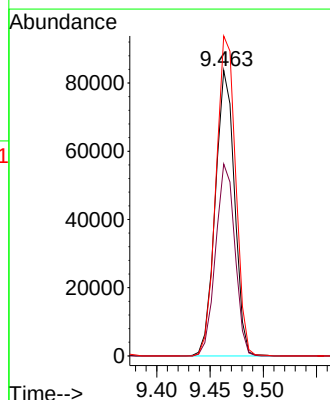
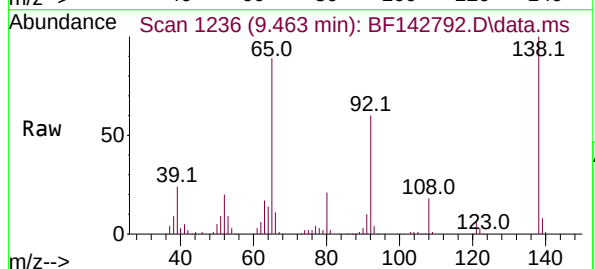
Tgt Ion: 65 Resp: 105098

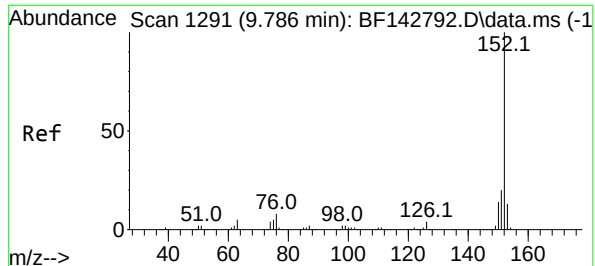
Ion Ratio Lower Upper

65 100

92 67.2 53.8 80.6

138 112.0 89.6 134.4





#49

Acenaphthylene

Concen: 38.649 ng

RT: 9.786 min Scan# 1291

Delta R.T. 0.000 min

Lab File: BF142792.D

Acq: 19 Jun 2025 19:09

Instrument :

BNA_F

ClientSampleId :

SSTDICCC040

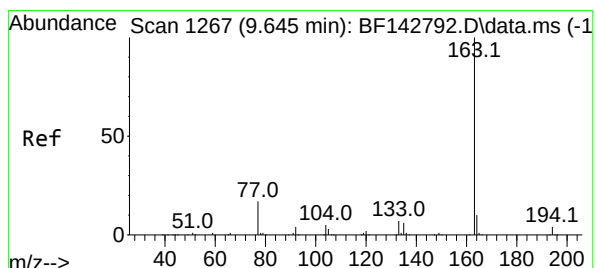
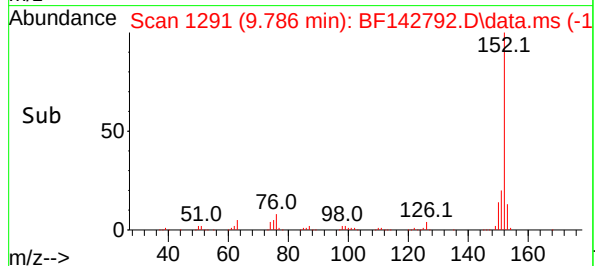
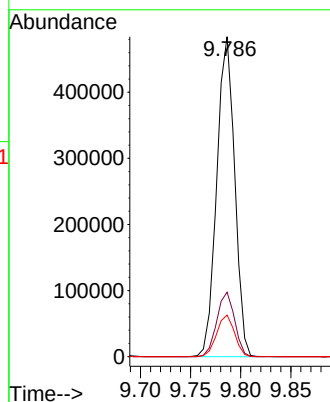
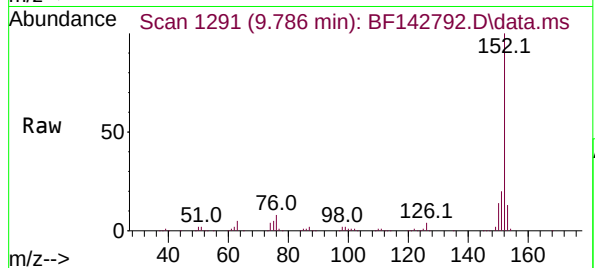
Tgt Ion:152 Resp: 603057

Ion Ratio Lower Upper

152 100

151 20.1 16.1 24.1

153 13.0 10.4 15.6



#50

Dimethylphthalate

Concen: 37.038 ng

RT: 9.645 min Scan# 1267

Delta R.T. 0.000 min

Lab File: BF142792.D

Acq: 19 Jun 2025 19:09

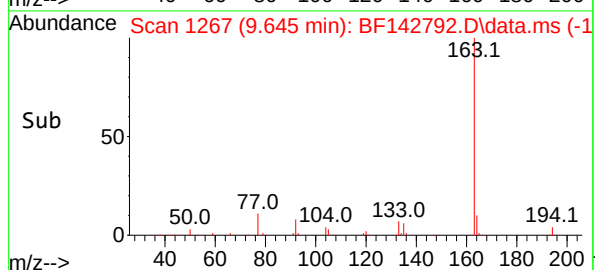
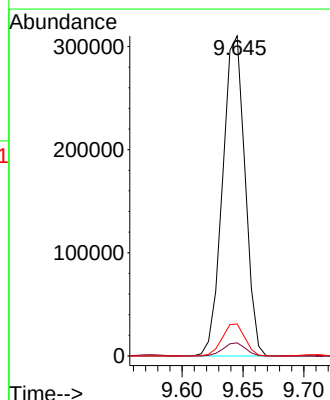
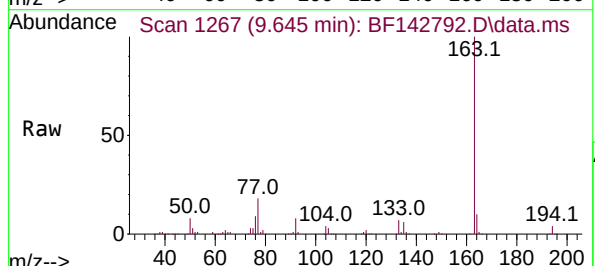
Tgt Ion:163 Resp: 397980

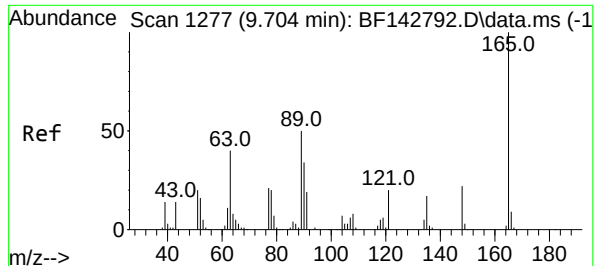
Ion Ratio Lower Upper

163 100

194 4.1 3.3 4.9

164 10.0 8.0 12.0





#51

2,6-Dinitrotoluene

Concen: 38.557 ng

RT: 9.704 min Scan# 1277

Delta R.T. 0.000 min

Lab File: BF142792.D

Acq: 19 Jun 2025 19:09

Instrument :

BNA_F

ClientSampleId :

SSTDICCC040

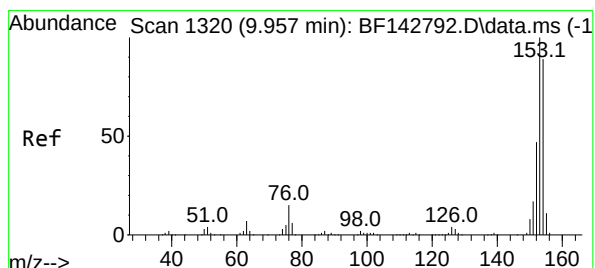
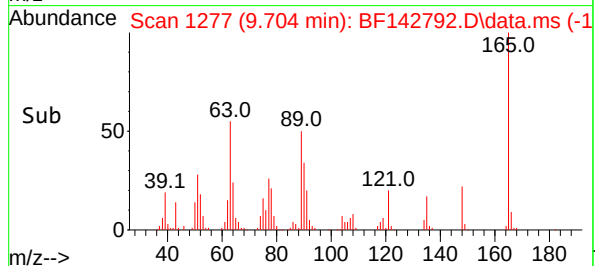
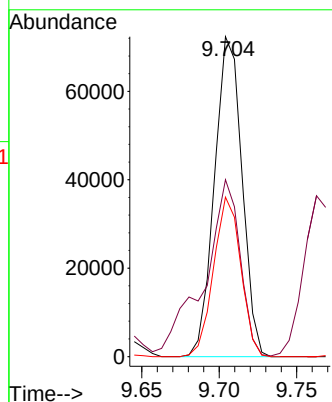
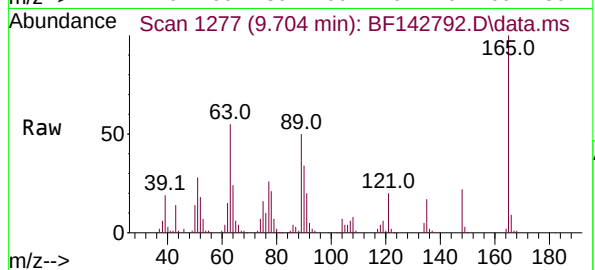
Tgt Ion:165 Resp: 89811

Ion Ratio Lower Upper

165 100

63 55.3 44.2 66.4

89 49.8 39.8 59.8



#52

Acenaphthene

Concen: 38.310 ng

RT: 9.957 min Scan# 1320

Delta R.T. 0.000 min

Lab File: BF142792.D

Acq: 19 Jun 2025 19:09

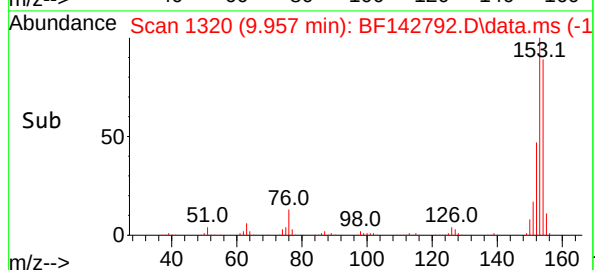
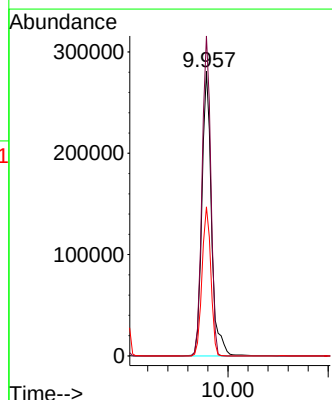
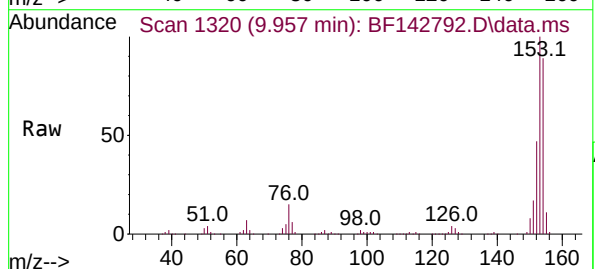
Tgt Ion:154 Resp: 369889

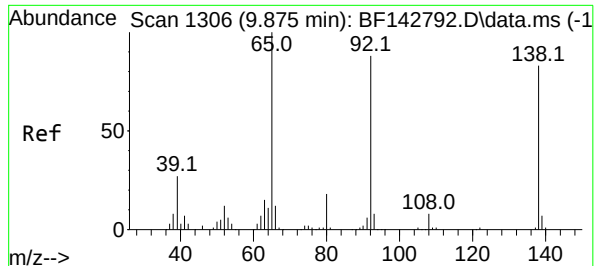
Ion Ratio Lower Upper

154 100

153 112.5 90.0 135.0

152 52.4 41.9 62.9

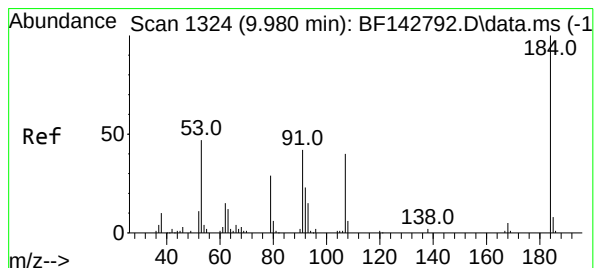
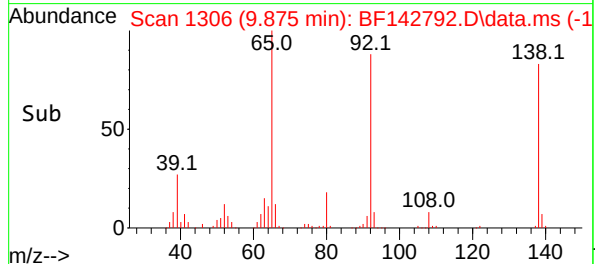
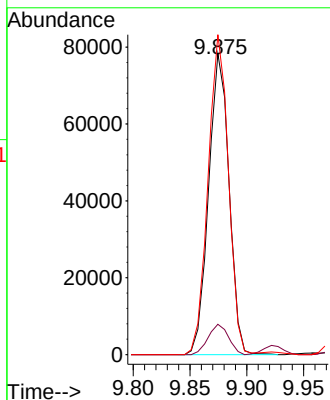
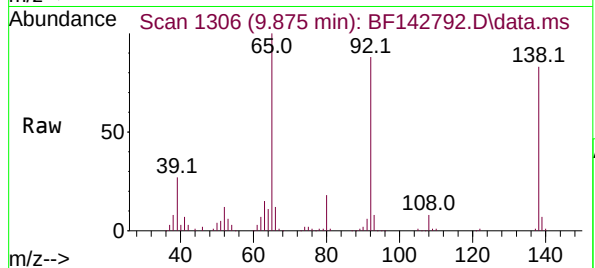




#53
3-Nitroaniline
Concen: 38.714 ng
RT: 9.875 min Scan# 1306
Delta R.T. 0.000 min
Lab File: BF142792.D
Acq: 19 Jun 2025 19:09

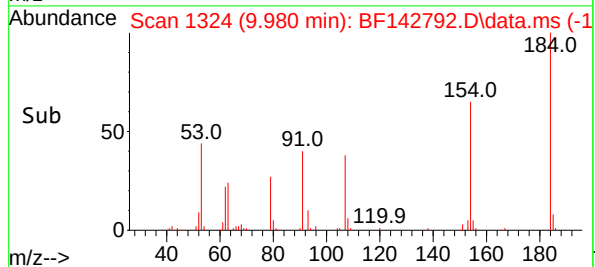
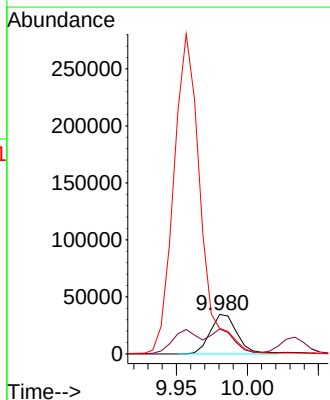
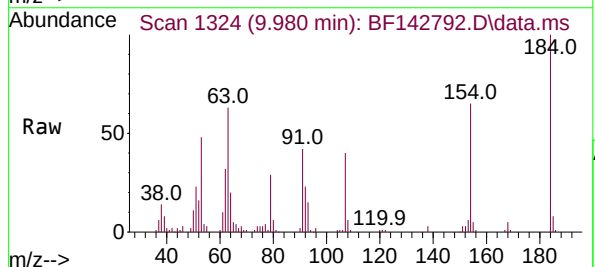
Instrument :
BNA_F
ClientSampleId :
SSTDICCC040

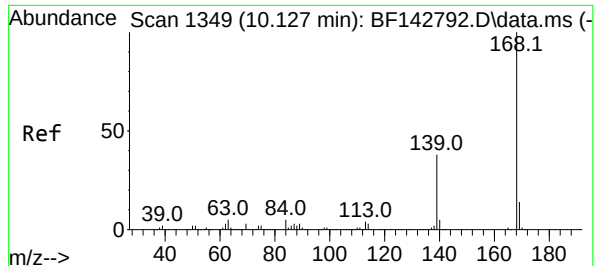
Tgt Ion	Ratio	Lower	Upper
138	100		
108	10.1	8.1	12.1
92	106.4	85.1	127.7



#54
2,4-Dinitrophenol
Concen: 36.494 ng
RT: 9.980 min Scan# 1324
Delta R.T. 0.000 min
Lab File: BF142792.D
Acq: 19 Jun 2025 19:09

Tgt Ion	Ratio	Lower	Upper
184	100		
63	63.2	50.6	75.8
154	64.8	51.8	77.8





#55

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 :

SSTDICCC040

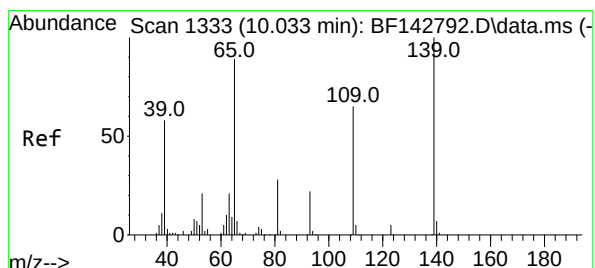
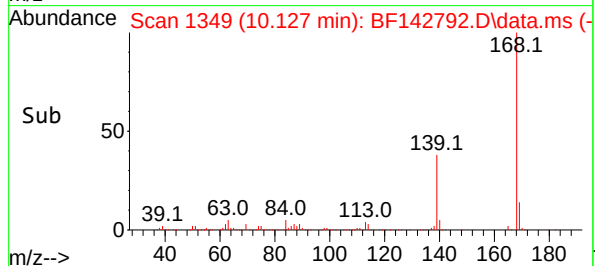
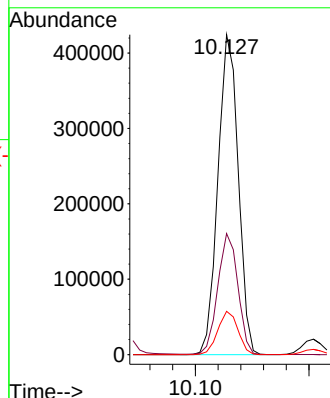
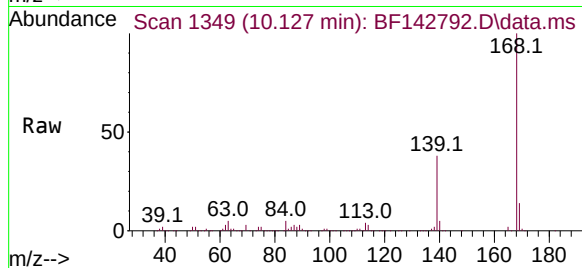
Tgt Ion:168 Resp: 526718

Ion Ratio Lower Upper

168 100

139 37.8 30.2 45.4

169 13.5 10.8 16.2



#56

4-Nitrophenol

Concen: 39.230 ng

RT: 10.033 min Scan# 1333

Delta R.T. 0.000 min

Lab File: BF142792.D

Acq: 19 Jun 2025 19:09

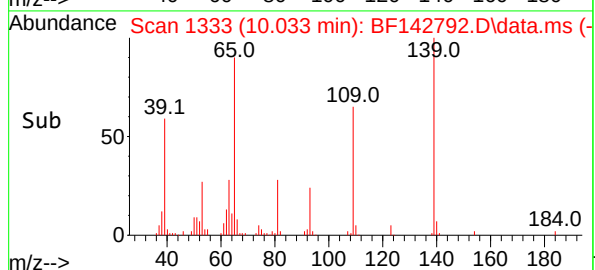
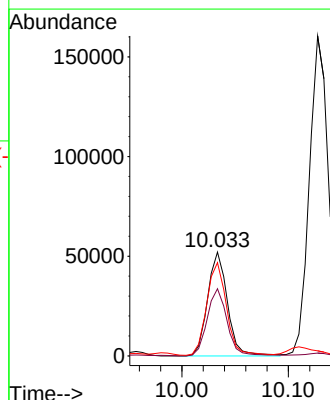
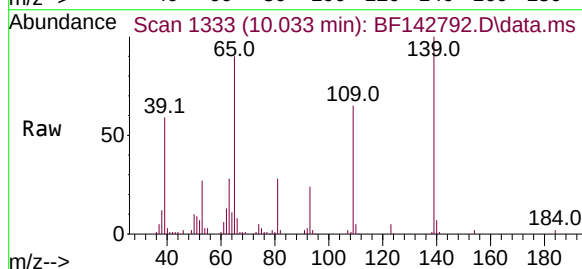
Tgt Ion:139 Resp: 67375

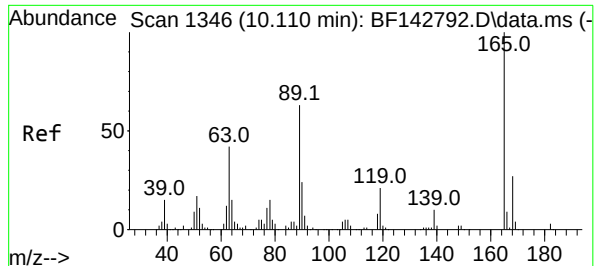
Ion Ratio Lower Upper

139 100

109 64.7 44.7 84.7

65 89.8 69.8 109.8





#57

2,4-Dinitrotoluene

Concen: 38.644 ng

RT: 10.110 min Scan# 1346

Delta R.T. 0.000 min

Lab File: BF142792.D

Acq: 19 Jun 2025 19:09

Instrument :

BNA_F

ClientSampleId :

SSTDICCC040

Tgt Ion:165 Resp: 119021

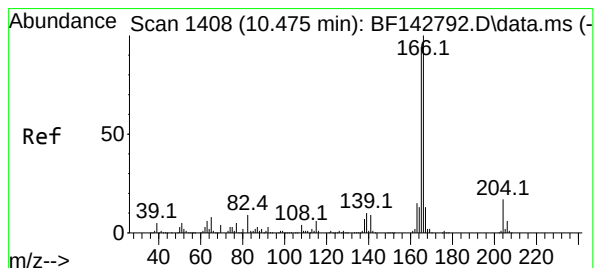
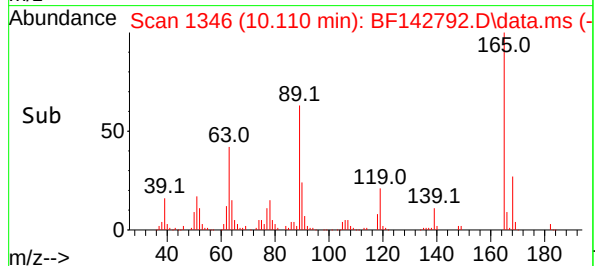
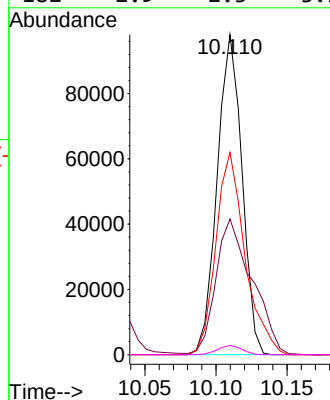
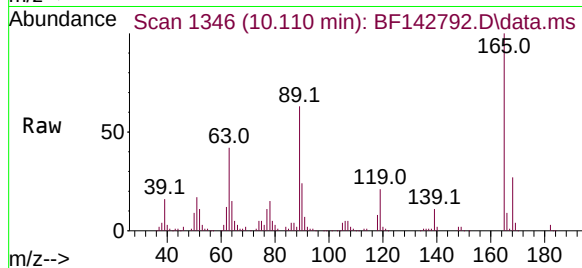
Ion Ratio Lower Upper

165 100

63 42.4 33.9 50.9

89 63.2 50.6 75.8

182 2.9 2.3 3.5



#58

Fluorene

Concen: 37.535 ng

RT: 10.475 min Scan# 1408

Delta R.T. 0.000 min

Lab File: BF142792.D

Acq: 19 Jun 2025 19:09

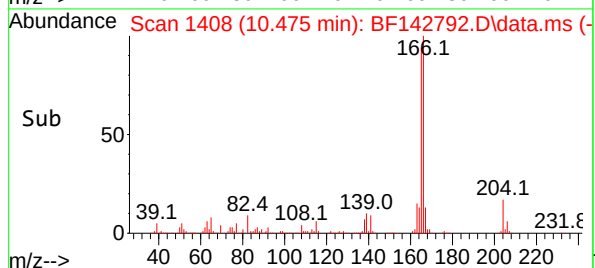
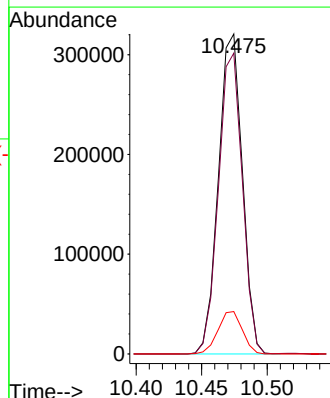
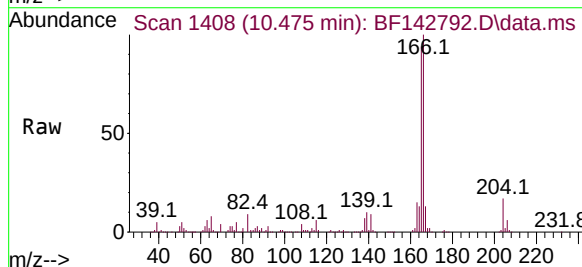
Tgt Ion:166 Resp: 408102

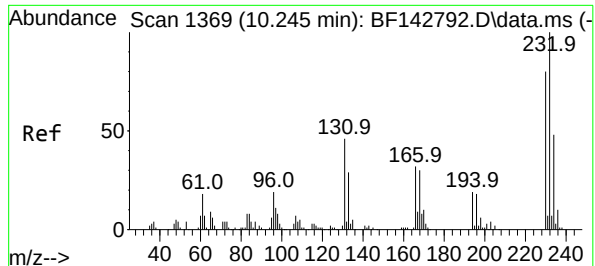
Ion Ratio Lower Upper

166 100

165 94.0 75.2 112.8

167 13.2 10.6 15.8

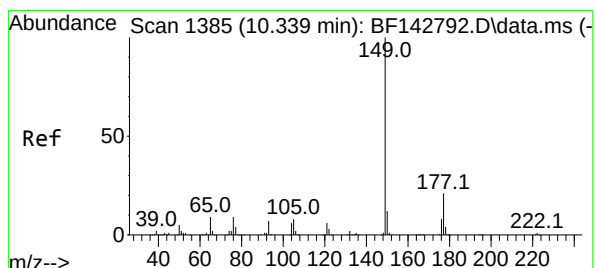
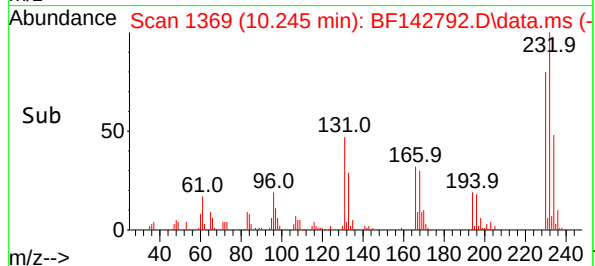
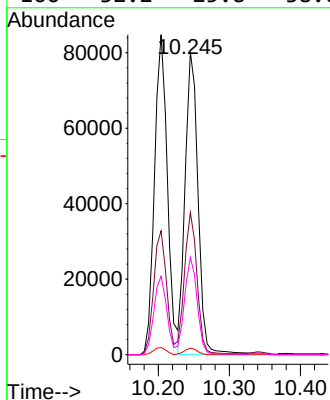
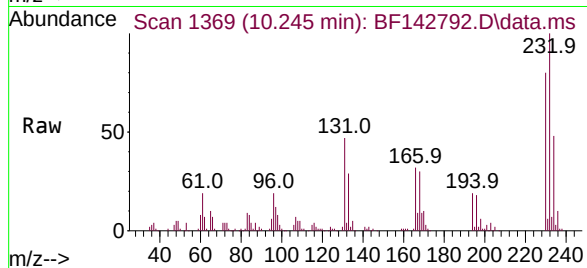




#59
2,3,4,6-Tetrachlorophenol
Concen: 36.847 ng
RT: 10.245 min Scan# 1369
Delta R.T. 0.000 min
Lab File: BF142792.D
Acq: 19 Jun 2025 19:09

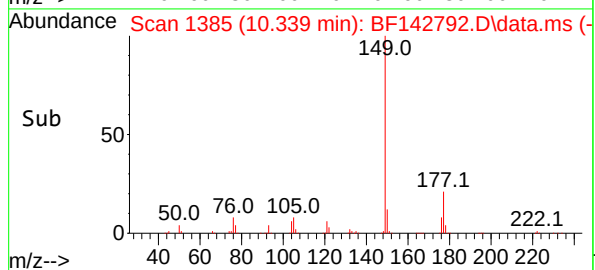
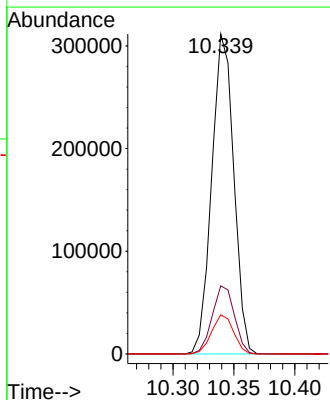
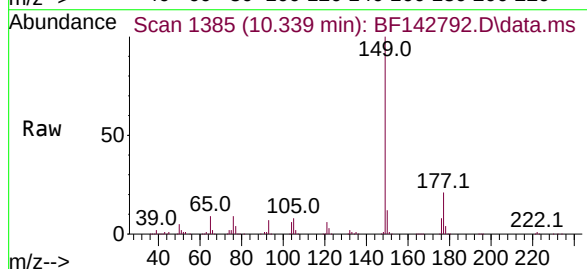
Instrument :
BNA_F
ClientSampleId :
SSTDICCC040

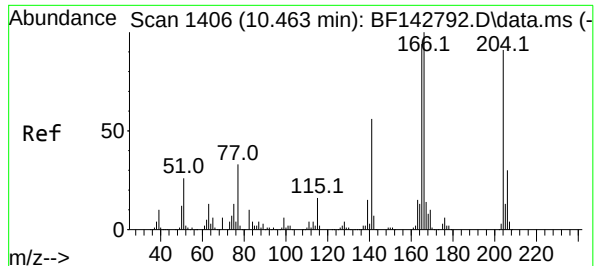
Tgt Ion:232 Resp: 100957
Ion Ratio Lower Upper
232 100
131 47.0 37.6 56.4
130 2.1 1.7 2.5
166 32.2 25.8 38.6



#60
Diethylphthalate
Concen: 36.752 ng
RT: 10.339 min Scan# 1385
Delta R.T. 0.000 min
Lab File: BF142792.D
Acq: 19 Jun 2025 19:09

Tgt Ion:149 Resp: 392278
Ion Ratio Lower Upper
149 100
177 21.3 17.0 25.6
150 12.2 9.8 14.6

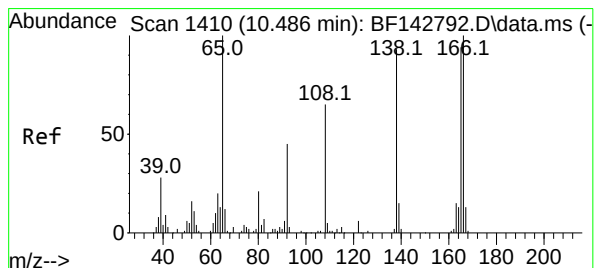
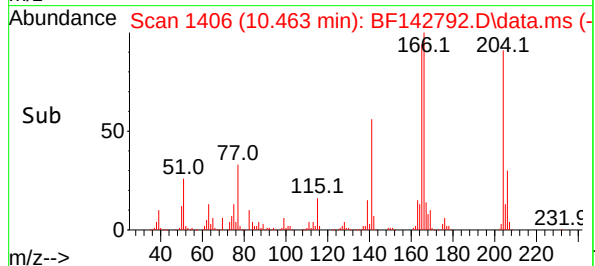
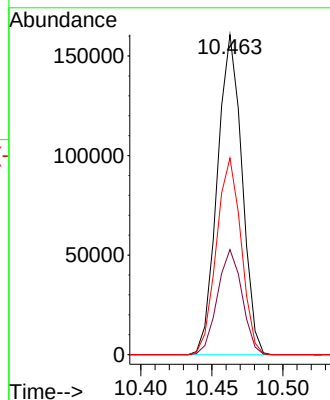
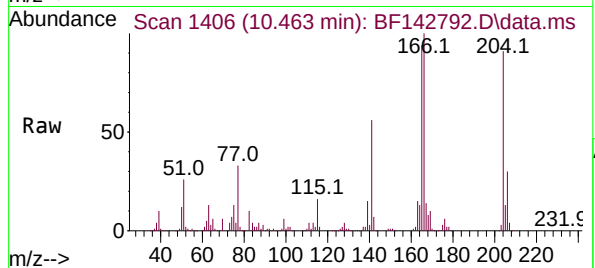




#61
4-Chlorophenyl-phenylether
Concen: 36.726 ng
RT: 10.463 min Scan# 1406
Delta R.T. 0.000 min
Lab File: BF142792.D
Acq: 19 Jun 2025 19:09

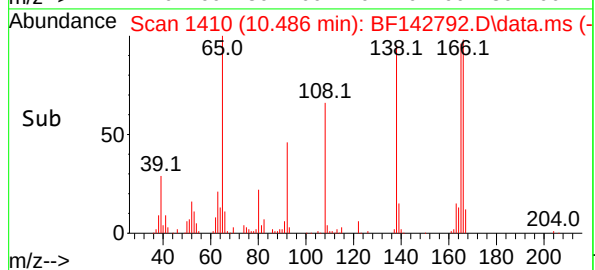
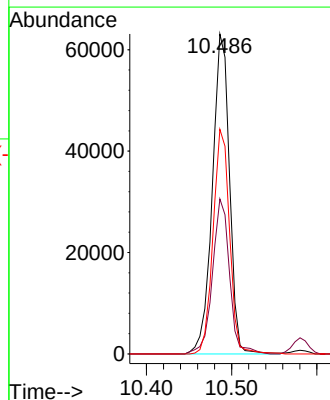
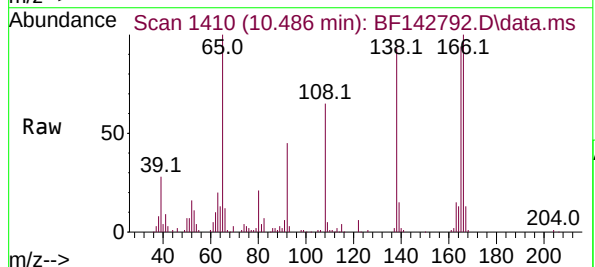
Instrument :
BNA_F
ClientSampleId :
SSTDICCC040

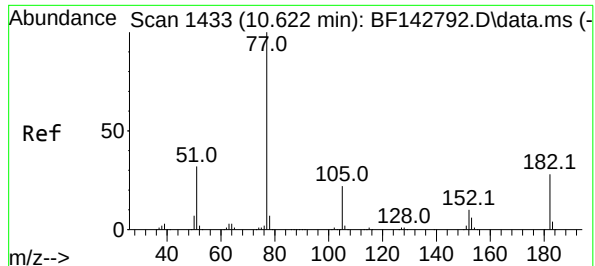
Tgt Ion:204 Resp: 193928
Ion Ratio Lower Upper
204 100
206 32.9 26.3 39.5
141 61.4 49.1 73.7



#62
4-Nitroaniline
Concen: 38.806 ng
RT: 10.486 min Scan# 1410
Delta R.T. 0.000 min
Lab File: BF142792.D
Acq: 19 Jun 2025 19:09

Tgt Ion:138 Resp: 88142
Ion Ratio Lower Upper
138 100
92 48.4 28.4 68.4
108 70.2 50.2 90.2

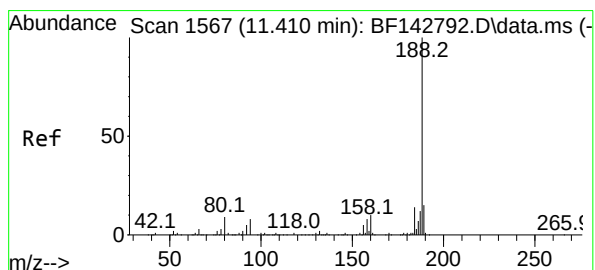
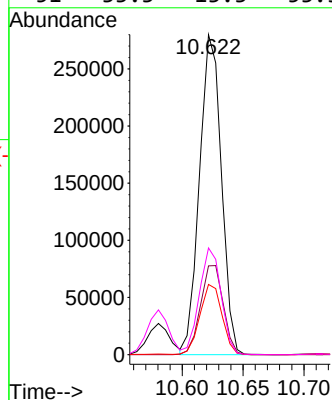
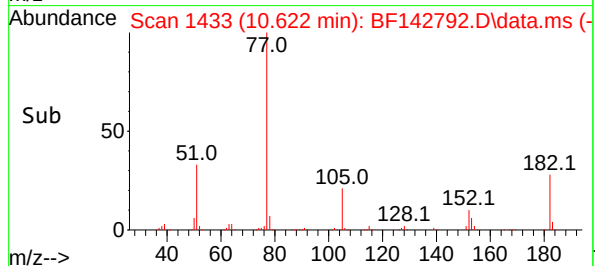
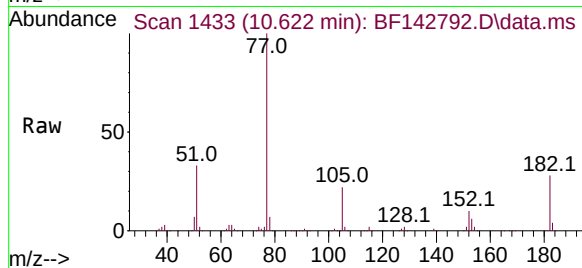




#63
Azobenzene
Concen: 37.534 ng
RT: 10.622 min Scan# 1433
Delta R.T. 0.000 min
Lab File: BF142792.D
Acq: 19 Jun 2025 19:09

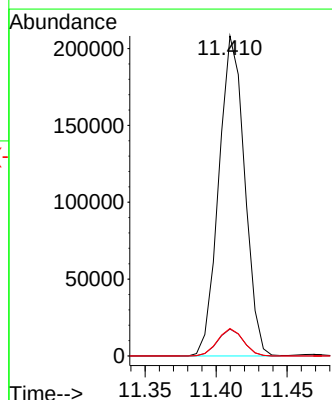
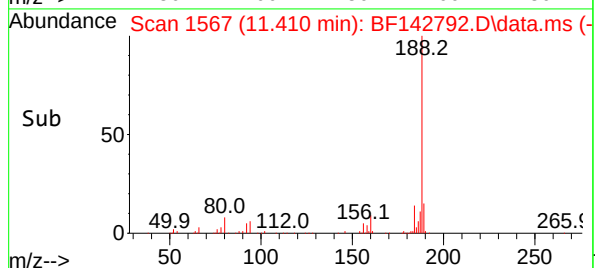
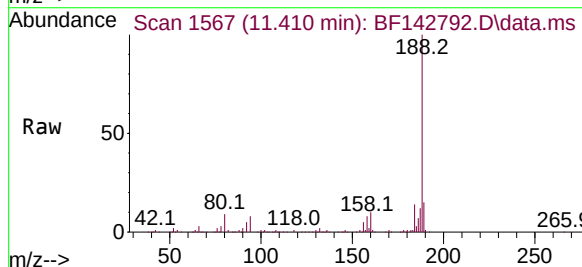
Instrument :
BNA_F
ClientSampleId :
SSTDICCC040

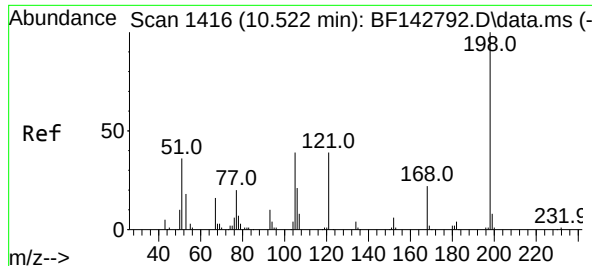
Tgt Ion	Ratio	Lower	Upper
77	100		
182	27.7	7.7	47.7
105	21.9	1.9	41.9
51	33.3	13.3	53.3



#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.410 min Scan# 1567
Delta R.T. 0.000 min
Lab File: BF142792.D
Acq: 19 Jun 2025 19:09

Tgt Ion	Ratio	Lower	Upper
188	100		
94	8.4	6.7	10.1
80	8.6	6.9	10.3

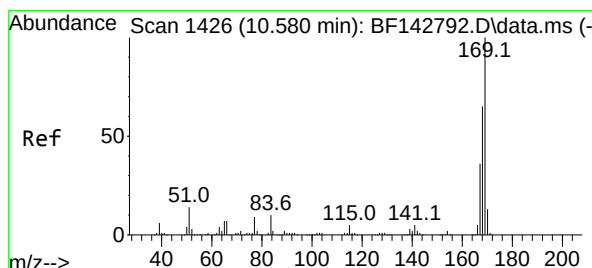
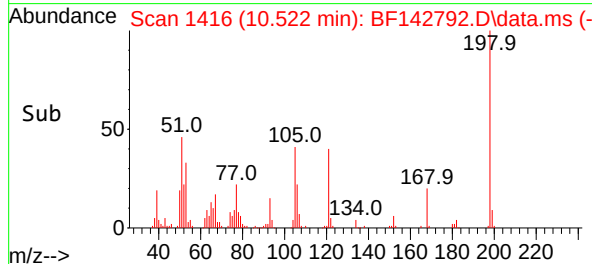
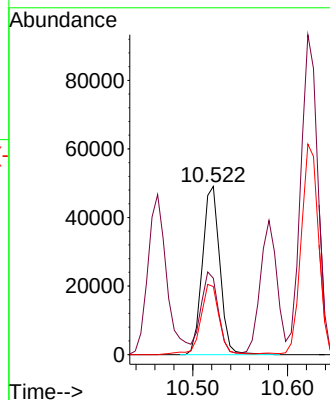
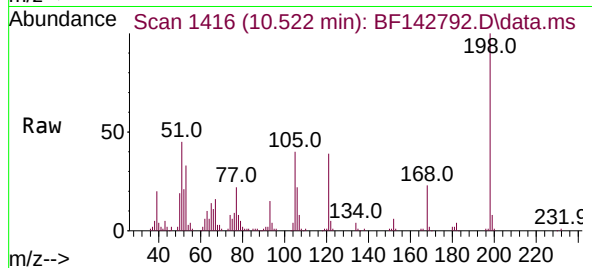




#65
4,6-Dinitro-2-methylphenol
Concen: 38.375 ng
RT: 10.522 min Scan# 1416
Delta R.T. 0.000 min
Lab File: BF142792.D
Acq: 19 Jun 2025 19:09

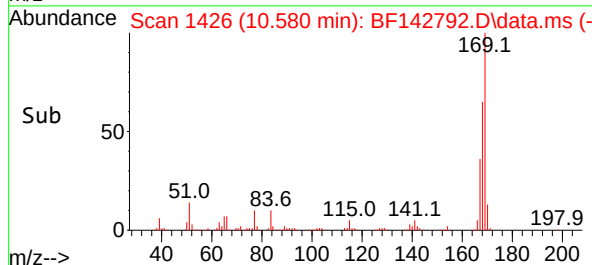
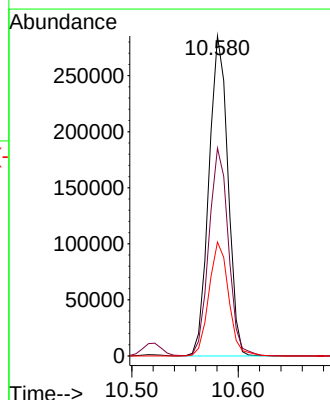
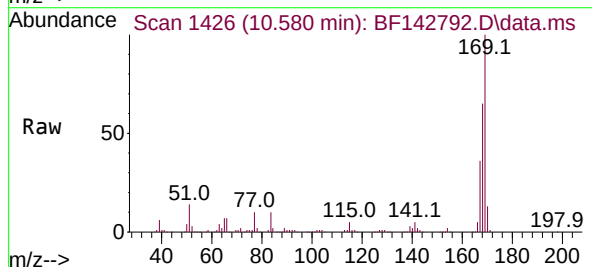
Instrument :
BNA_F
ClientSampleId :
SSTDICCC040

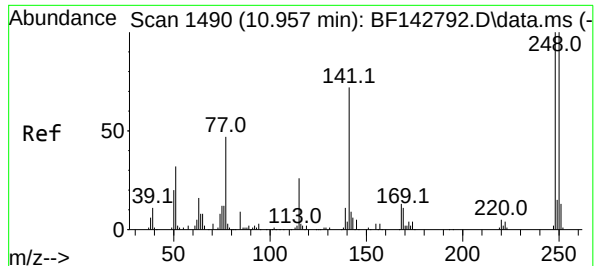
Tgt Ion	Ratio	Lower	Upper
198	100		
51	45.4	25.4	65.4
105	40.4	20.4	60.4



#66
n-Nitrosodiphenylamine
Concen: 39.014 ng
RT: 10.580 min Scan# 1426
Delta R.T. 0.000 min
Lab File: BF142792.D
Acq: 19 Jun 2025 19:09

Tgt Ion	Ratio	Lower	Upper
169	100		
168	64.9	51.9	77.9
167	35.6	28.5	42.7

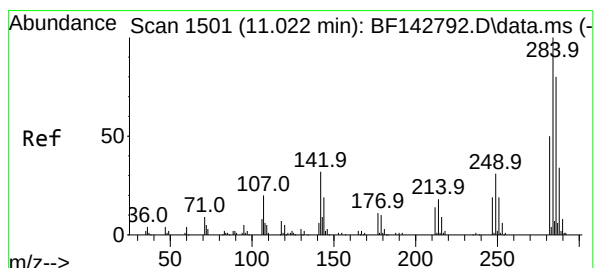
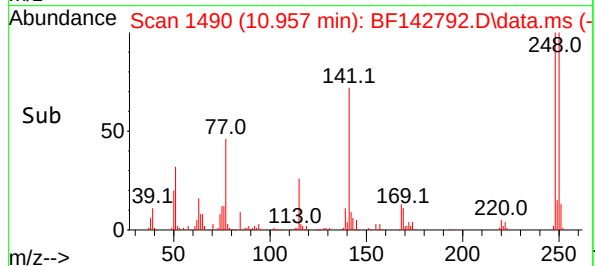
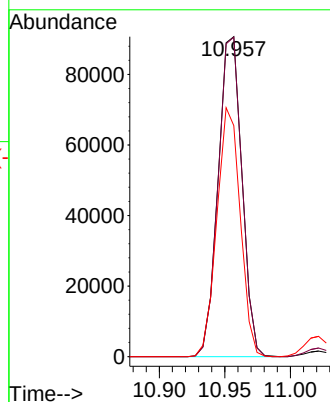
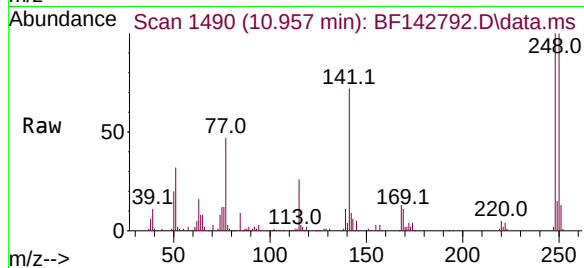




#67
4-Bromophenyl-phenylether
Concen: 37.246 ng
RT: 10.957 min Scan# 1490
Delta R.T. 0.000 min
Lab File: BF142792.D
Acq: 19 Jun 2025 19:09

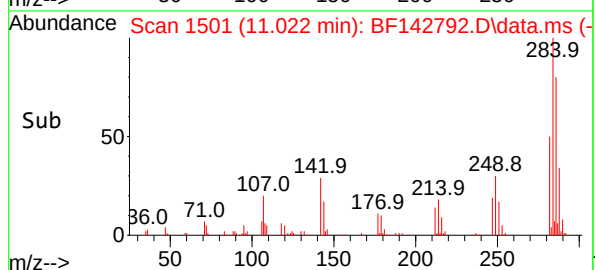
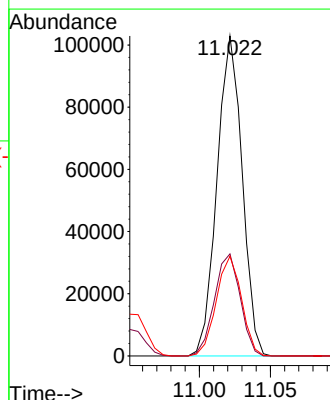
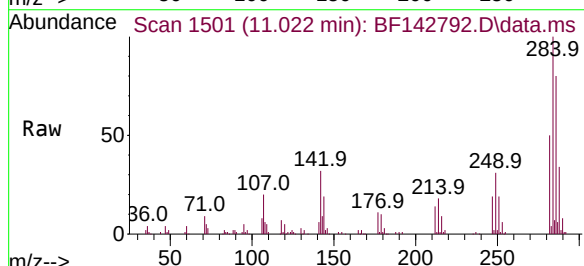
Instrument :
BNA_F
ClientSampleId :
SSTDICCC040

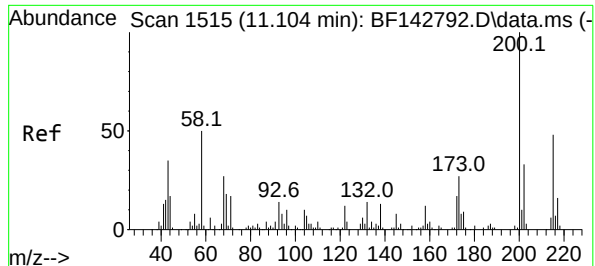
Tgt Ion:248 Resp: 114874
Ion Ratio Lower Upper
248 100
250 99.8 79.8 119.8
141 72.2 57.8 86.6



#68
Hexachlorobenzene
Concen: 37.057 ng
RT: 11.022 min Scan# 1501
Delta R.T. 0.000 min
Lab File: BF142792.D
Acq: 19 Jun 2025 19:09

Tgt Ion:284 Resp: 126882
Ion Ratio Lower Upper
284 100
142 31.9 25.5 38.3
249 31.1 24.9 37.3





#69

Atrazine

Concen: 38.060 ng

RT: 11.104 min Scan# 1515

Delta R.T. 0.000 min

Lab File: BF142792.D

Acq: 19 Jun 2025 19:09

Instrument :

BNA_F

ClientSampleId :

SSTDICCC040

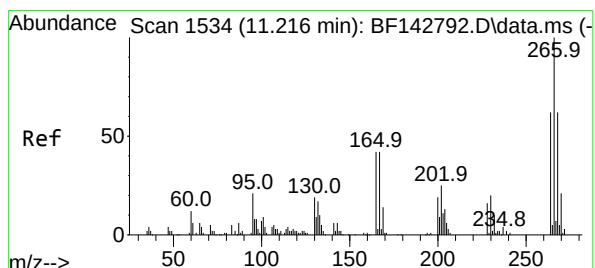
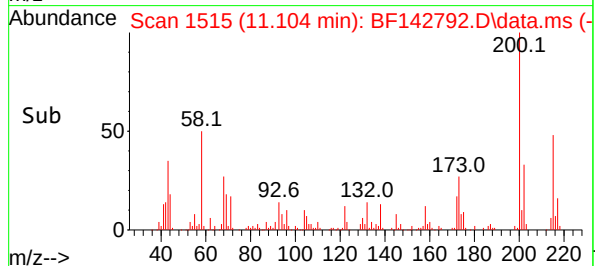
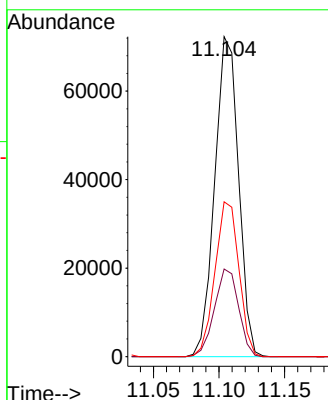
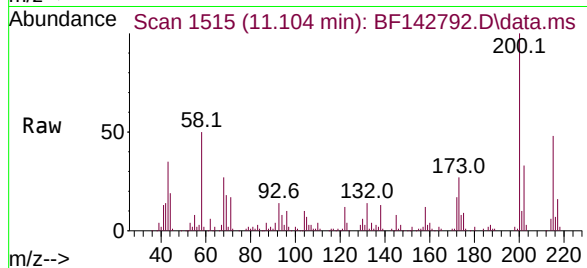
Tgt Ion:200 Resp: 91444

Ion Ratio Lower Upper

200 100

173 27.4 7.4 47.4

215 48.4 28.4 68.4



#70

Pentachlorophenol

Concen: 37.113 ng

RT: 11.216 min Scan# 1534

Delta R.T. 0.000 min

Lab File: BF142792.D

Acq: 19 Jun 2025 19:09

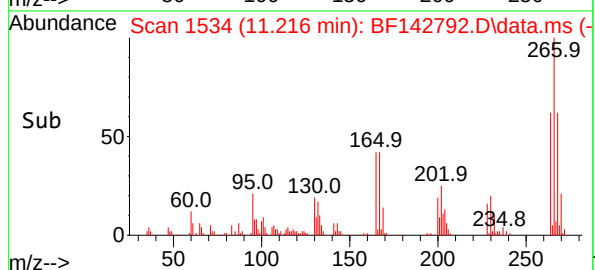
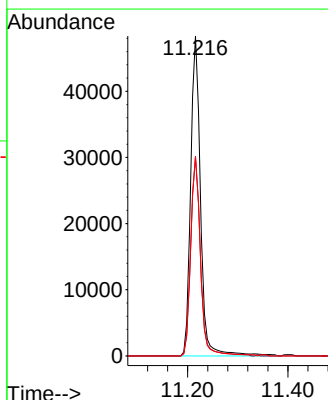
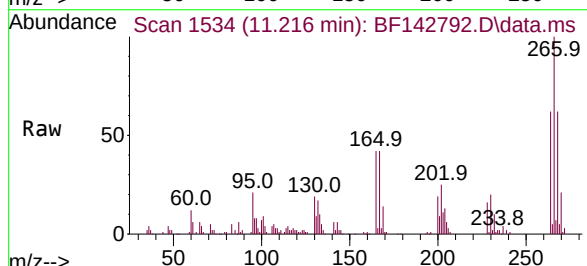
Tgt Ion:266 Resp: 65999

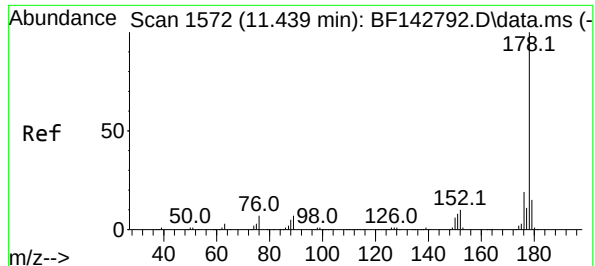
Ion Ratio Lower Upper

266 100

268 62.3 49.8 74.8

264 62.4 49.9 74.9





#71

Phenanthrene

Concen: 38.508 ng

RT: 11.439 min Scan# 1572

Delta R.T. 0.000 min

Lab File: BF142792.D

Acq: 19 Jun 2025 19:09

Instrument :

BNA_F

ClientSampleId :

SSTDICCC040

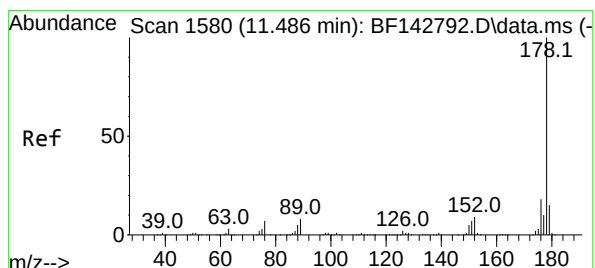
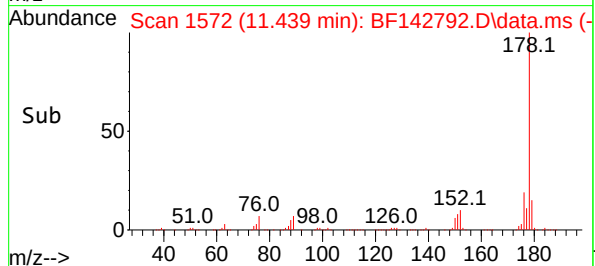
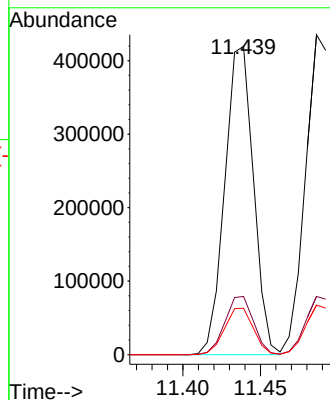
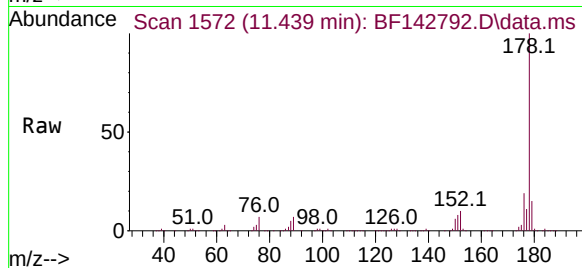
Tgt Ion:178 Resp: 542935

Ion Ratio Lower Upper

178 100

176 18.9 15.1 22.7

179 15.0 12.0 18.0



#72

Anthracene

Concen: 38.384 ng

RT: 11.486 min Scan# 1580

Delta R.T. 0.000 min

Lab File: BF142792.D

Acq: 19 Jun 2025 19:09

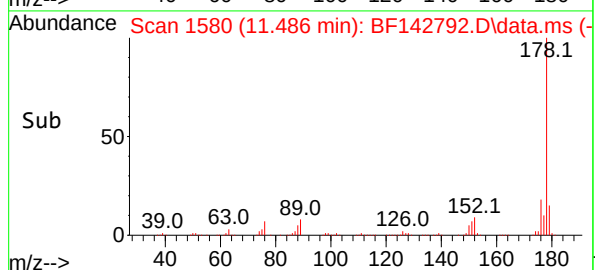
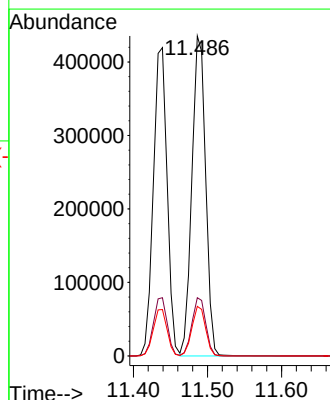
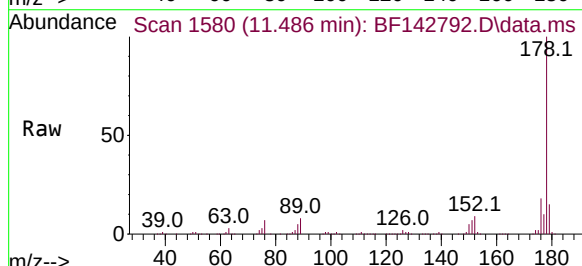
Tgt Ion:178 Resp: 560180

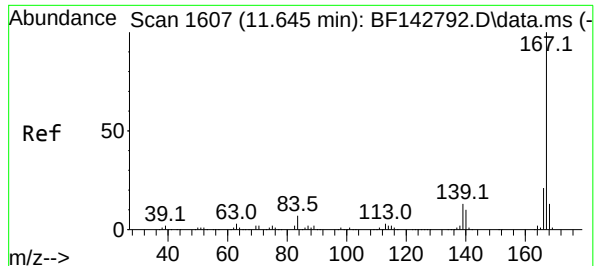
Ion Ratio Lower Upper

178 100

176 18.2 14.6 21.8

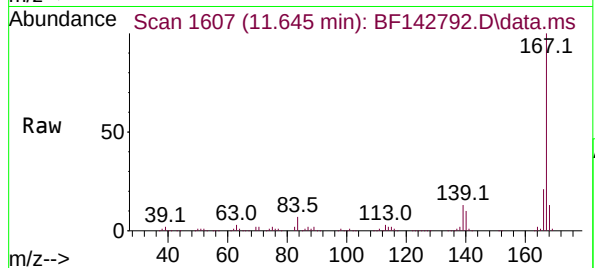
179 15.5 12.4 18.6



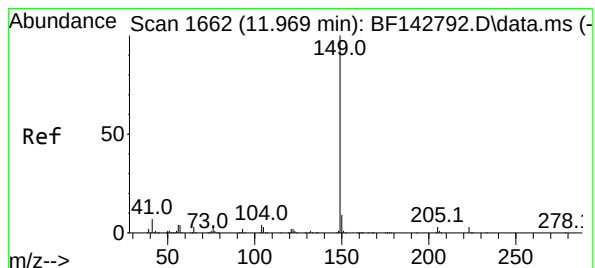
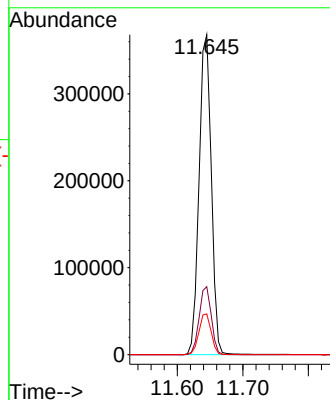
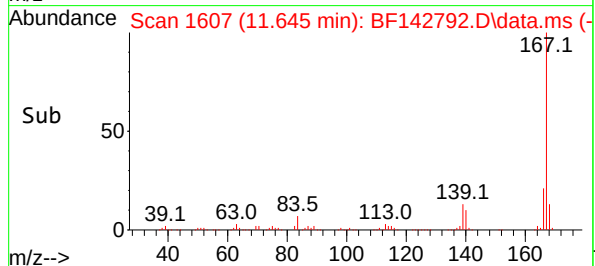


#73
Carbazole
Concen: 38.769 ng
RT: 11.645 min Scan# 1607
Delta R.T. 0.000 min
Lab File: BF142792.D
Acq: 19 Jun 2025 19:09

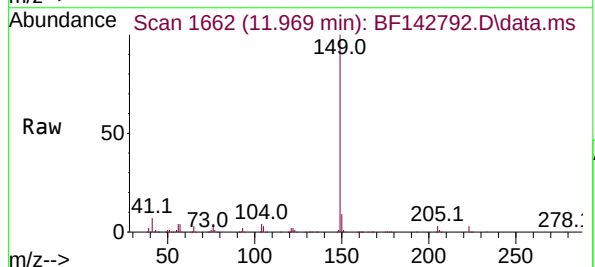
Instrument :
BNA_F
ClientSampleId :
SSTDICCC040



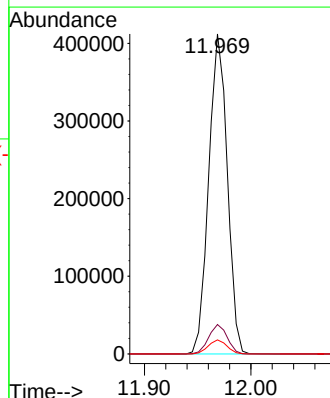
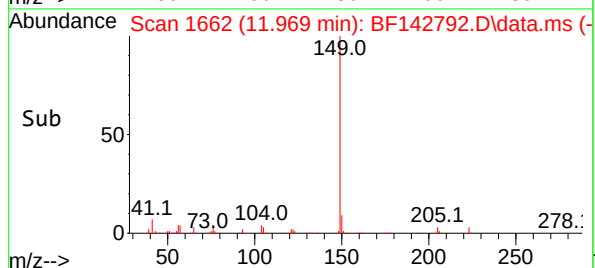
Tgt Ion:167 Resp: 473801
Ion Ratio Lower Upper
167 100
166 21.2 17.0 25.4
139 12.7 10.2 15.2

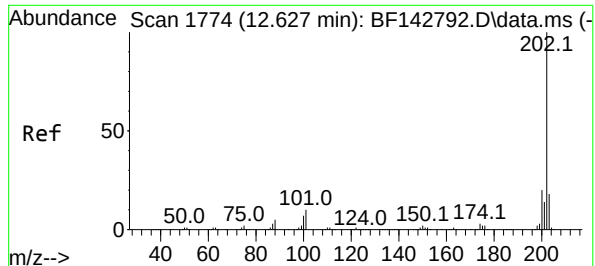


#74
Di-n-butylphthalate
Concen: 36.824 ng
RT: 11.969 min Scan# 1662
Delta R.T. 0.000 min
Lab File: BF142792.D
Acq: 19 Jun 2025 19:09



Tgt Ion:149 Resp: 498285
Ion Ratio Lower Upper
149 100
150 9.2 7.4 11.0
104 4.4 3.5 5.3

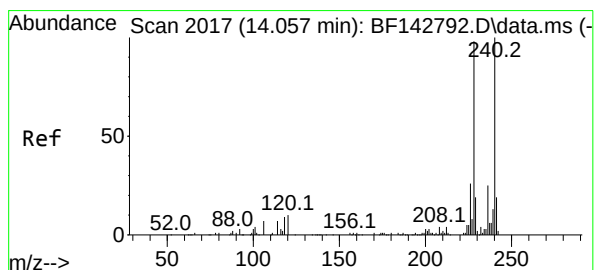
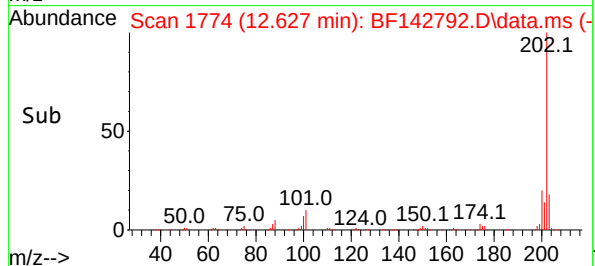
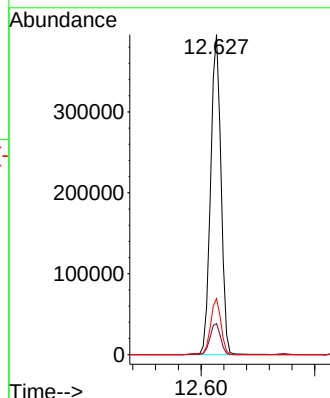
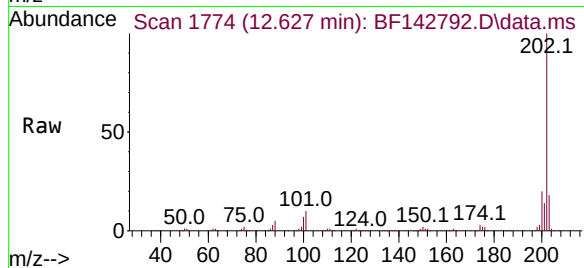




#75
Fluoranthene
Concen: 37.522 ng
RT: 12.627 min Scan# 1774
Delta R.T. 0.000 min
Lab File: BF142792.D
Acq: 19 Jun 2025 19:09

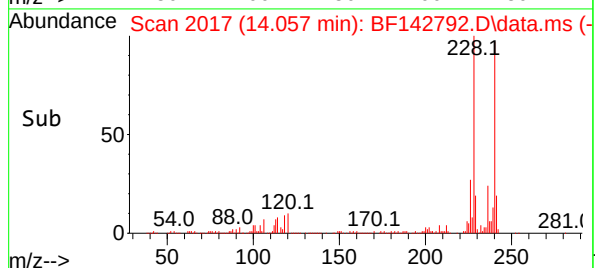
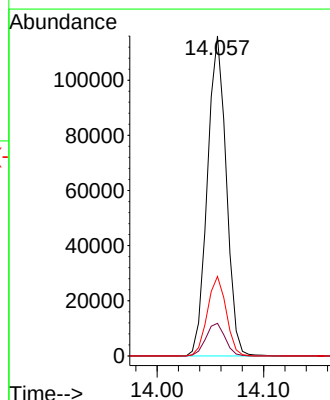
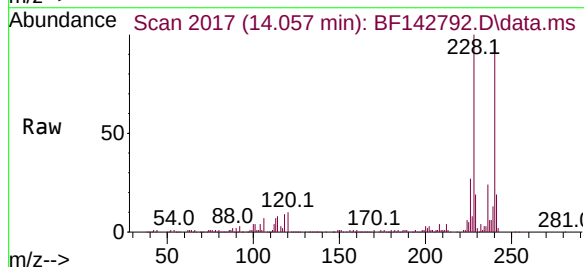
Instrument :
BNA_F
ClientSampleId :
SSTDICCC040

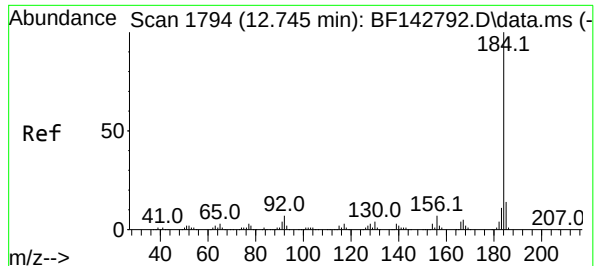
Tgt Ion	Ratio	Lower	Upper
202	100		
101	9.7	0.0	29.7
203	17.5	0.0	37.5



#76
Chrysene-d12
Concen: 20.000 ng
RT: 14.057 min Scan# 2017
Delta R.T. 0.000 min
Lab File: BF142792.D
Acq: 19 Jun 2025 19:09

Tgt Ion	Ratio	Lower	Upper
240	100		
120	10.2	8.2	12.2
236	24.8	19.8	29.8

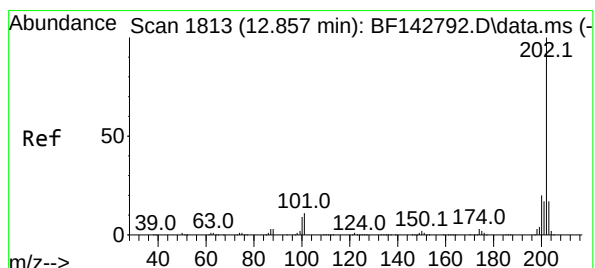
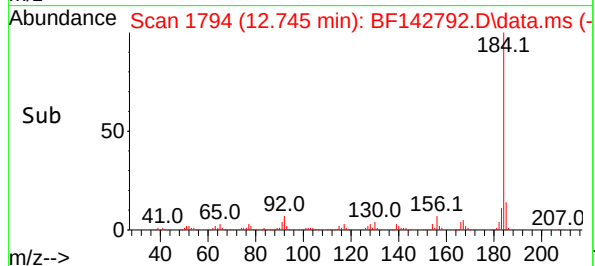
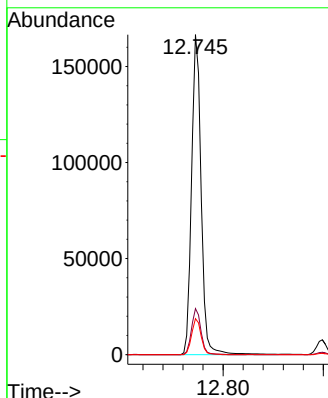
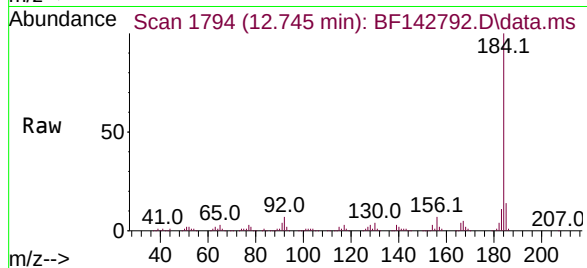




#77
Benzidine
Concen: 43.691 ng
RT: 12.745 min Scan# 1794
Delta R.T. 0.000 min
Lab File: BF142792.D
Acq: 19 Jun 2025 19:09

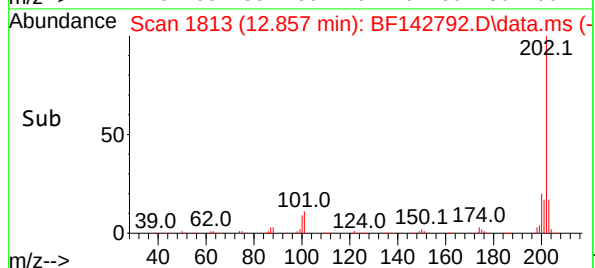
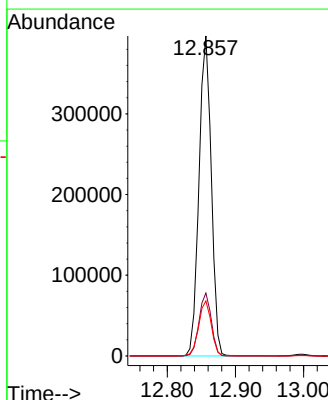
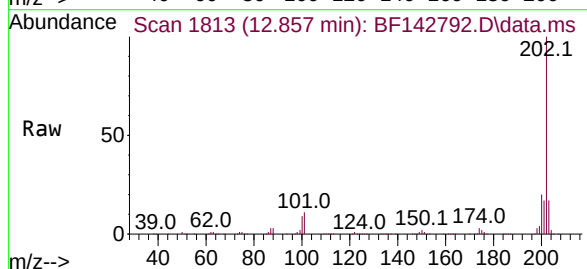
Instrument :
BNA_F
ClientSampleId :
SSTDICCC040

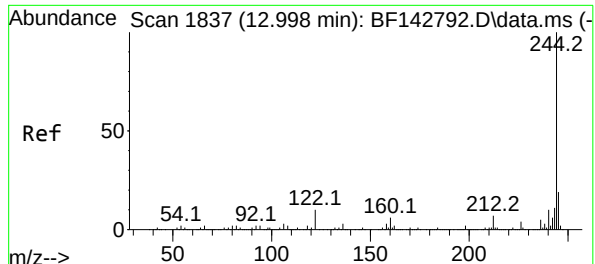
Tgt Ion:184 Resp: 220379
Ion Ratio Lower Upper
184 100
185 14.4 11.5 17.3
183 11.2 9.0 13.4



#78
Pyrene
Concen: 37.911 ng
RT: 12.857 min Scan# 1813
Delta R.T. 0.000 min
Lab File: BF142792.D
Acq: 19 Jun 2025 19:09

Tgt Ion:202 Resp: 496538
Ion Ratio Lower Upper
202 100
200 19.6 15.7 23.5
203 17.2 13.8 20.6





#79

Terphenyl-d14

Concen: 73.897 ng

RT: 12.998 min Scan# 1837

Delta R.T. 0.000 min

Lab File: BF142792.D

Acq: 19 Jun 2025 19:09

Instrument :

BNA_F

ClientSampleId :

SSTDICCC040

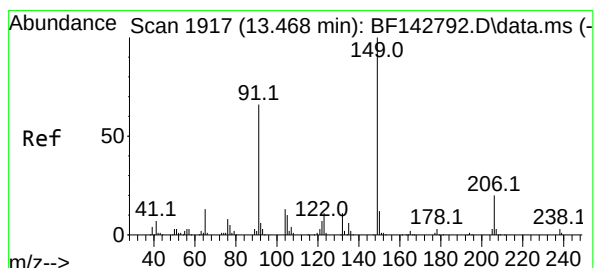
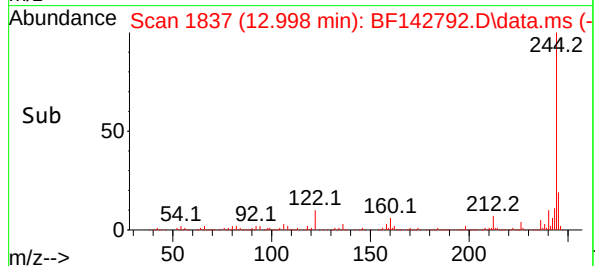
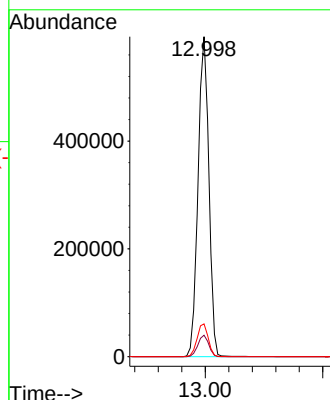
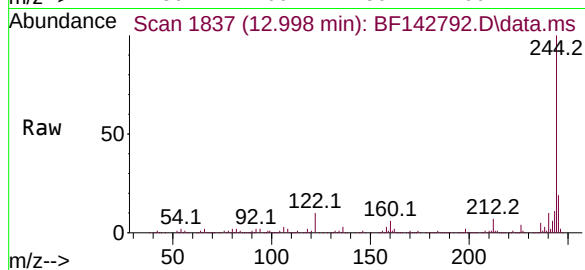
Tgt Ion:244 Resp: 756495

Ion Ratio Lower Upper

244 100

212 6.7 5.4 8.0

122 10.2 8.2 12.2



#80

Butylbenzylphthalate

Concen: 40.172 ng

RT: 13.468 min Scan# 1917

Delta R.T. 0.000 min

Lab File: BF142792.D

Acq: 19 Jun 2025 19:09

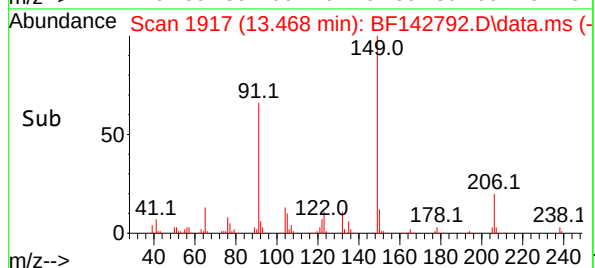
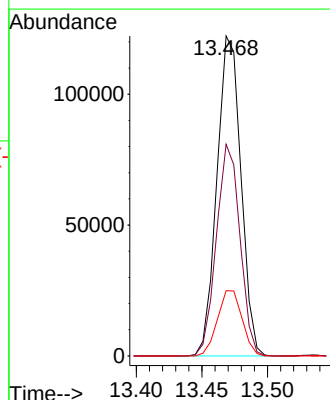
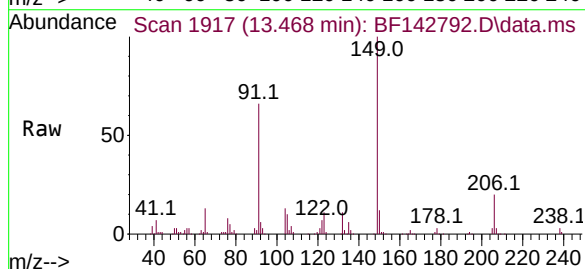
Tgt Ion:149 Resp: 155920

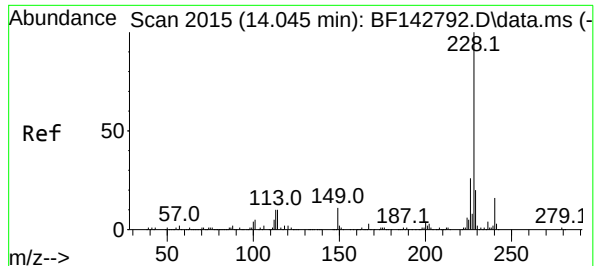
Ion Ratio Lower Upper

149 100

91 66.1 52.9 79.3

206 20.4 16.3 24.5





#81

Benzo(a)anthracene

Concen: 38.522 ng

RT: 14.045 min Scan# 2015

Delta R.T. 0.000 min

Lab File: BF142792.D

Acq: 19 Jun 2025 19:09

Instrument :

BNA_F

ClientSampleId :

SSTDICCC040

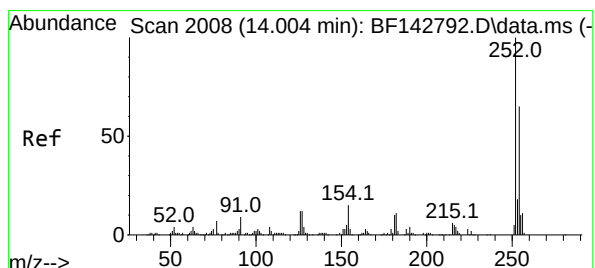
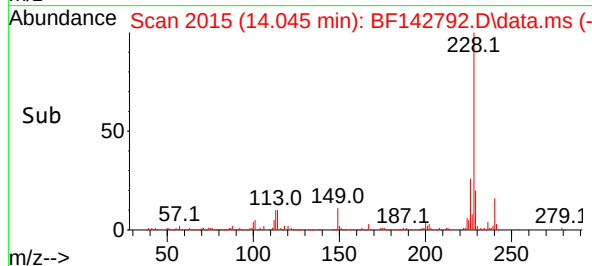
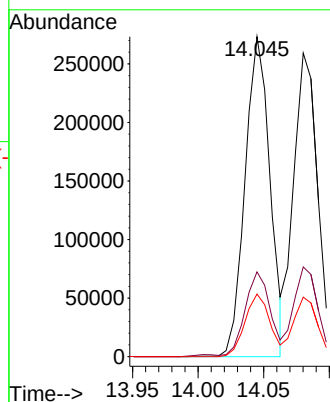
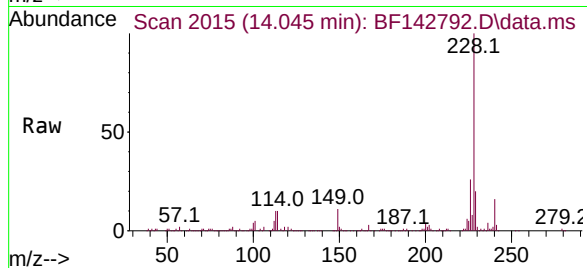
Tgt Ion:228 Resp: 360377

Ion Ratio Lower Upper

228 100

226 26.5 21.2 31.8

229 19.5 15.6 23.4



#82

3,3'-Dichlorobenzidine

Concen: 40.321 ng

RT: 14.004 min Scan# 2008

Delta R.T. 0.000 min

Lab File: BF142792.D

Acq: 19 Jun 2025 19:09

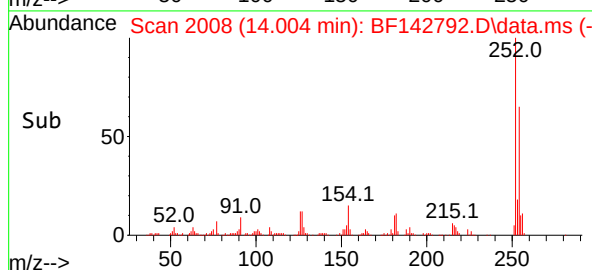
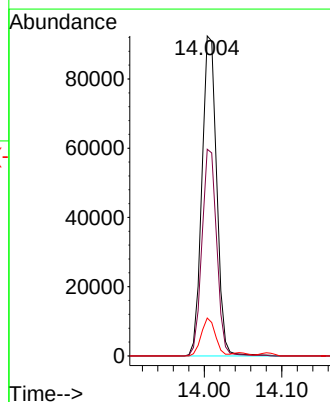
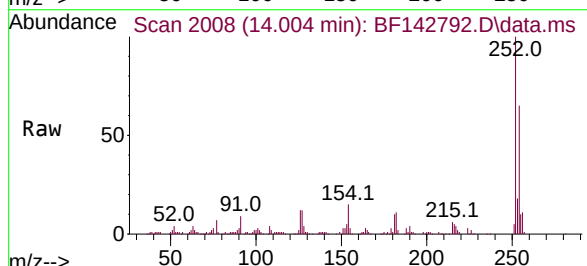
Tgt Ion:252 Resp: 122140

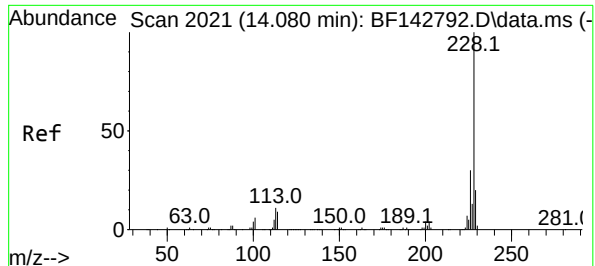
Ion Ratio Lower Upper

252 100

254 64.6 51.7 77.5

126 11.8 9.4 14.2

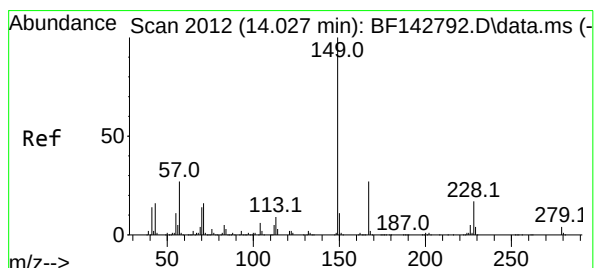
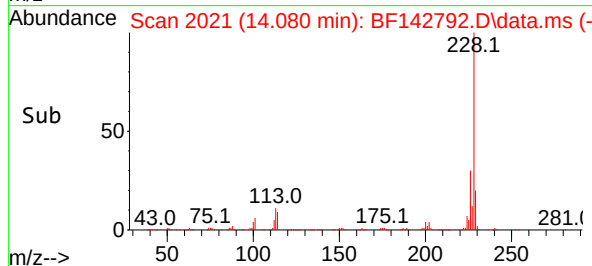
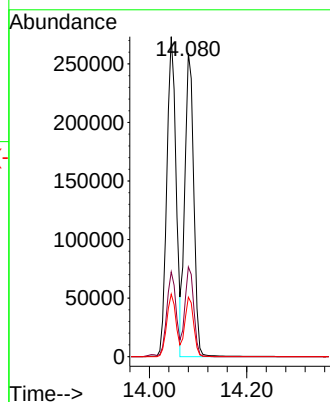
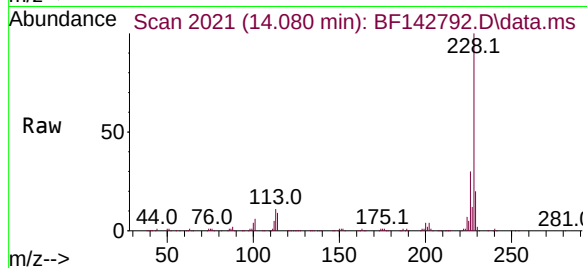




#83
Chrysene
Concen: 38.101 ng
RT: 14.080 min Scan# 2021
Delta R.T. 0.000 min
Lab File: BF142792.D
Acq: 19 Jun 2025 19:09

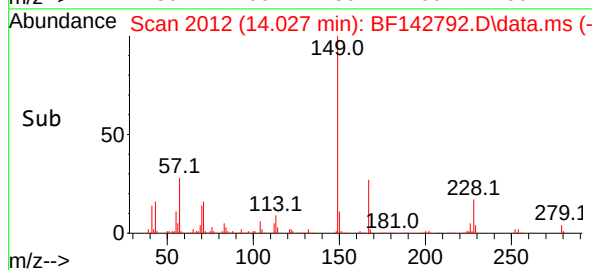
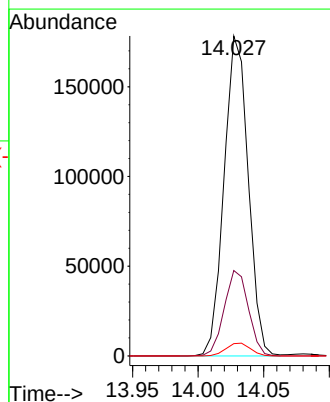
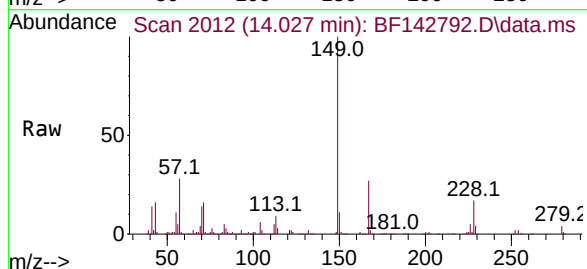
Instrument :
BNA_F
ClientSampleId :
SSTDICCC040

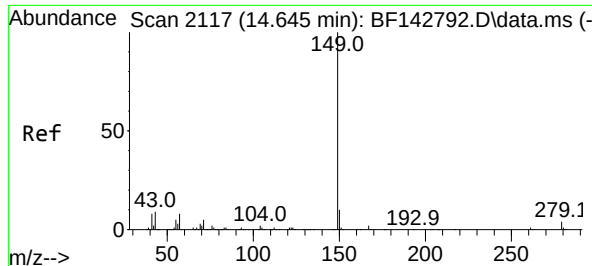
Tgt Ion:228 Resp: 331830
Ion Ratio Lower Upper
228 100
226 29.6 23.7 35.5
229 19.6 15.7 23.5



#84
Bis(2-ethylhexyl)phthalate
Concen: 39.589 ng
RT: 14.027 min Scan# 2012
Delta R.T. 0.000 min
Lab File: BF142792.D
Acq: 19 Jun 2025 19:09

Tgt Ion:149 Resp: 228949
Ion Ratio Lower Upper
149 100
167 26.7 21.4 32.0
279 3.8 3.0 4.6

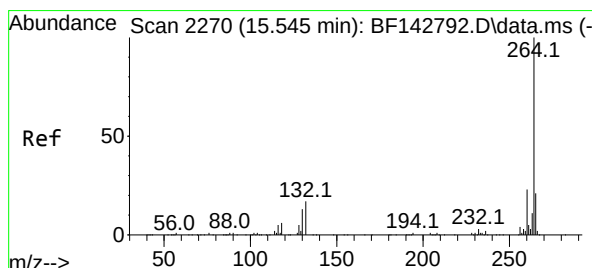
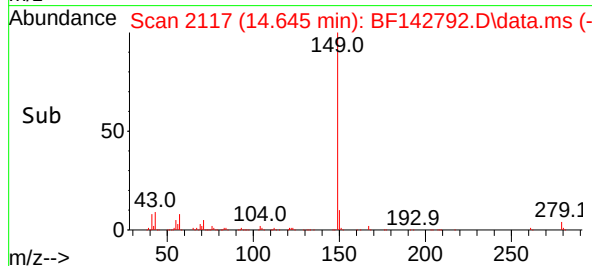
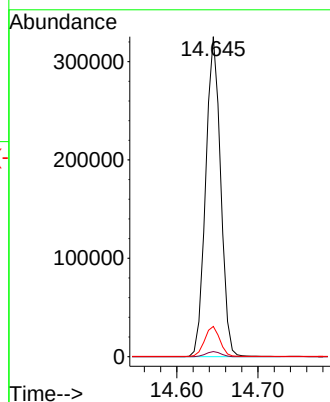
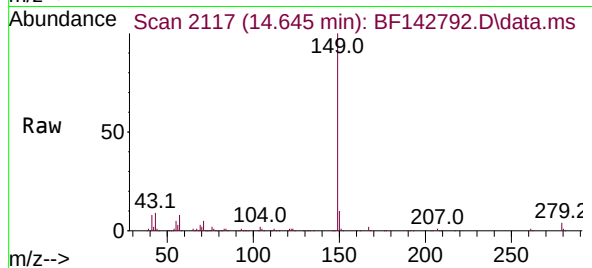




#85
Di-n-octyl phthalate
Concen: 37.837 ng
RT: 14.645 min Scan# 2117
Delta R.T. 0.000 min
Lab File: BF142792.D
Acq: 19 Jun 2025 19:09

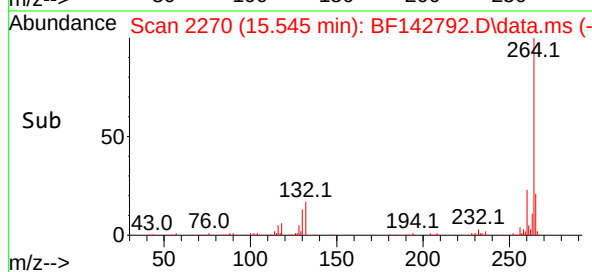
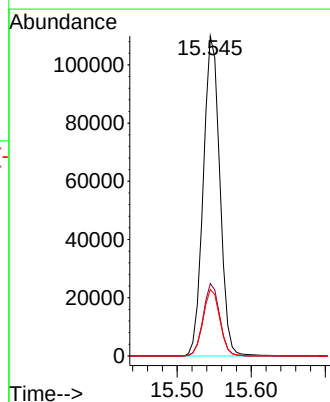
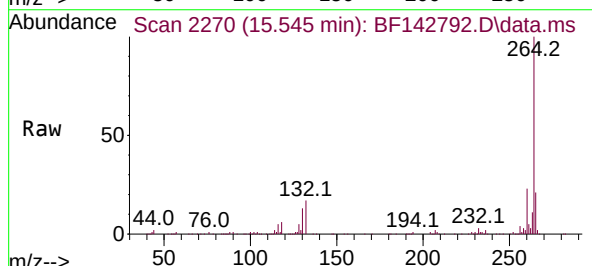
Instrument :
BNA_F
ClientSampleId :
SSTDICCC040

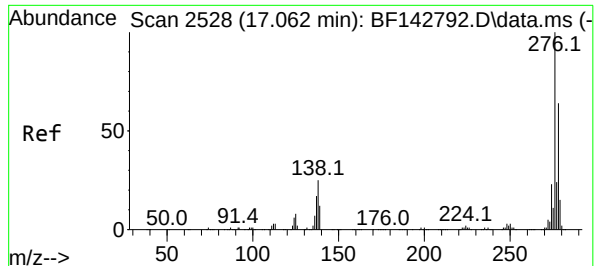
Tgt Ion	Ratio	Lower	Upper
149	100		
167	1.6	1.3	1.9
43	9.5	7.6	11.4



#86
Perylene-d12
Concen: 20.000 ng
RT: 15.545 min Scan# 2270
Delta R.T. 0.000 min
Lab File: BF142792.D
Acq: 19 Jun 2025 19:09

Tgt Ion	Ratio	Lower	Upper
264	100		
260	22.6	18.1	27.1
265	20.8	16.6	25.0





#87

Indeno(1,2,3-cd)pyrene

Concen: 39.863 ng

RT: 17.062 min Scan# 21

Delta R.T. 0.000 min

Lab File: BF142792.D

Acq: 19 Jun 2025 19:09

Instrument :

BNA_F

ClientSampleId :

SSTDICCC040

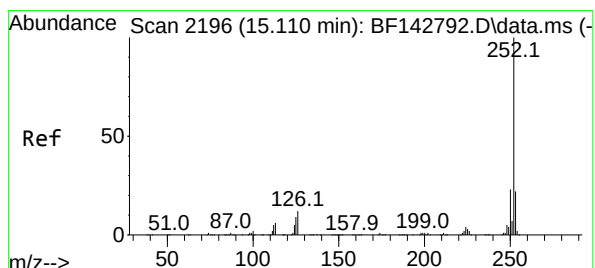
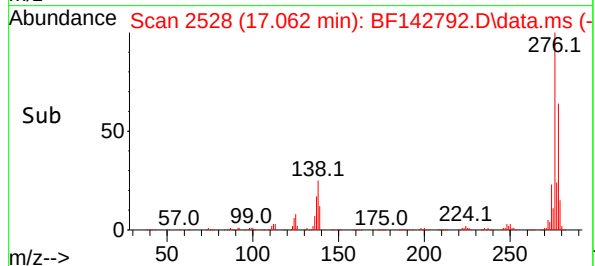
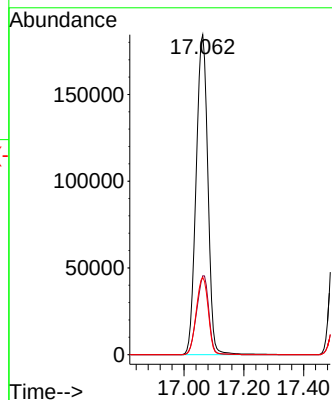
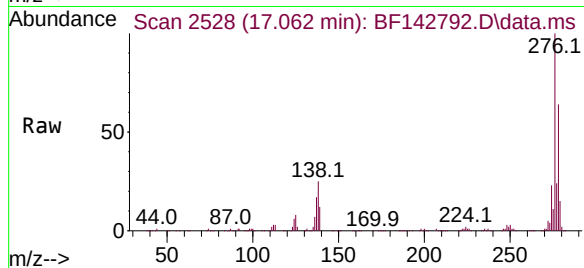
Tgt Ion:276 Resp: 501803

Ion Ratio Lower Upper

276 100

138 25.3 20.2 30.4

277 24.7 19.8 29.6



#88

Benzo(b)fluoranthene

Concen: 36.825 ng

RT: 15.110 min Scan# 2196

Delta R.T. 0.000 min

Lab File: BF142792.D

Acq: 19 Jun 2025 19:09

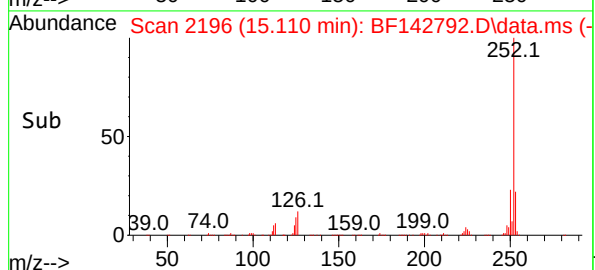
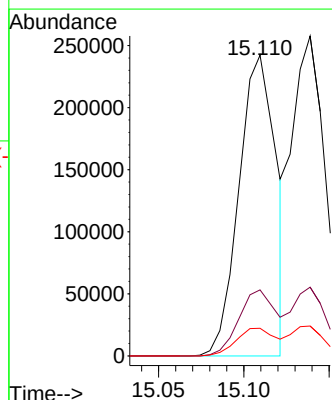
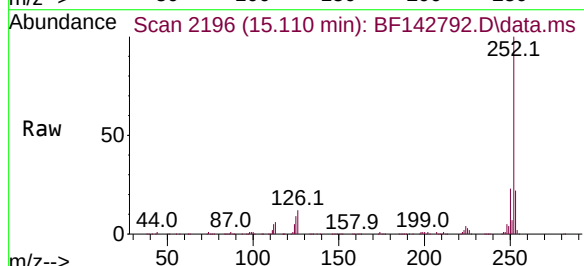
Tgt Ion:252 Resp: 365164

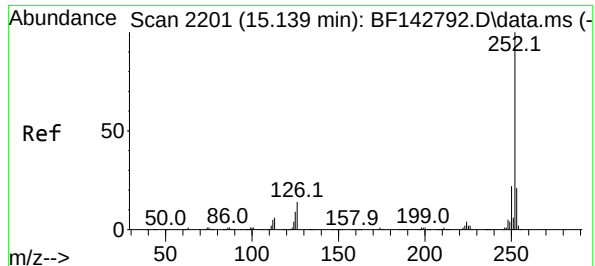
Ion Ratio Lower Upper

252 100

253 21.9 17.5 26.3

125 9.2 7.4 11.0





#89

Benzo(k)fluoranthene

Concen: 36.466 ng

RT: 15.139 min Scan# 2201

Delta R.T. 0.000 min

Lab File: BF142792.D

Acq: 19 Jun 2025 19:09

Instrument :

BNA_F

ClientSampleId :

SSTDICCC040

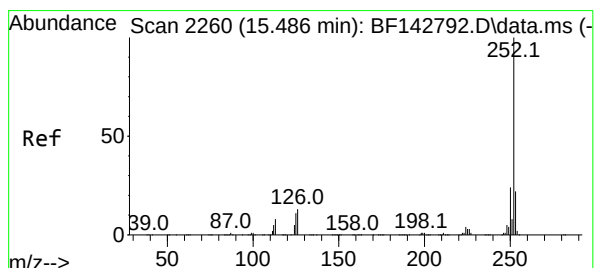
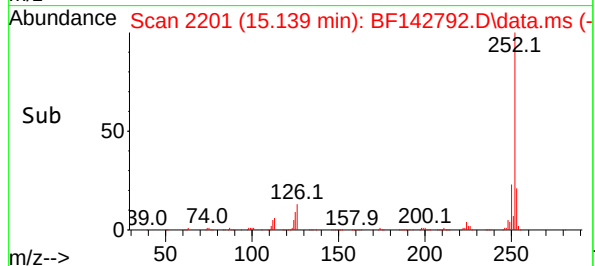
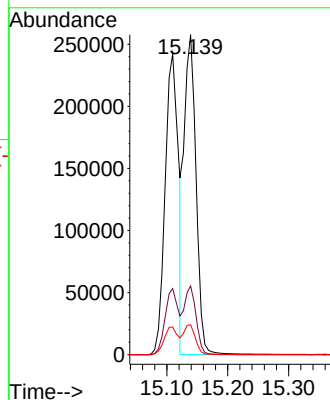
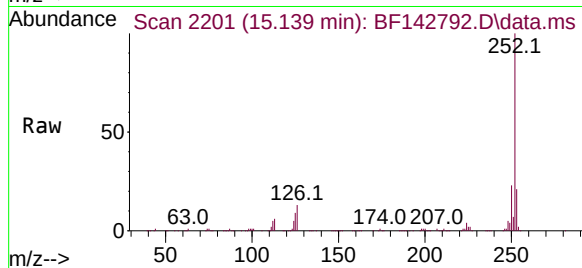
Tgt Ion:252 Resp: 352993

Ion Ratio Lower Upper

252 100

253 21.5 17.2 25.8

125 9.3 7.4 11.2



#90

Benzo(a)pyrene

Concen: 38.357 ng

RT: 15.486 min Scan# 2260

Delta R.T. 0.000 min

Lab File: BF142792.D

Acq: 19 Jun 2025 19:09

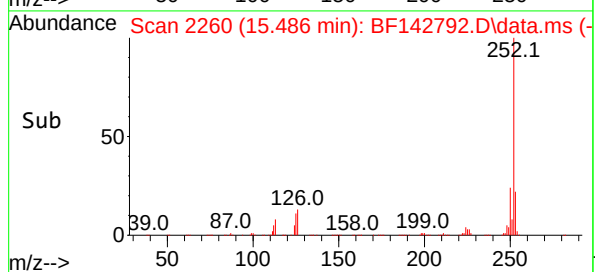
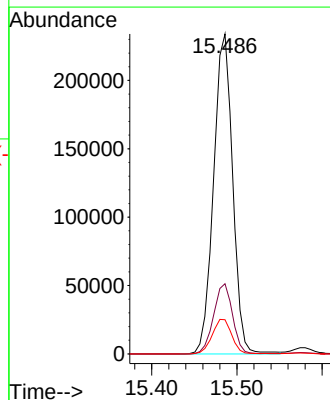
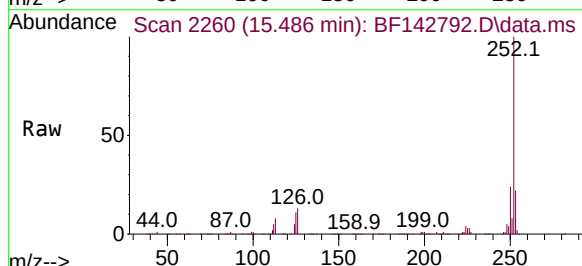
Tgt Ion:252 Resp: 363990

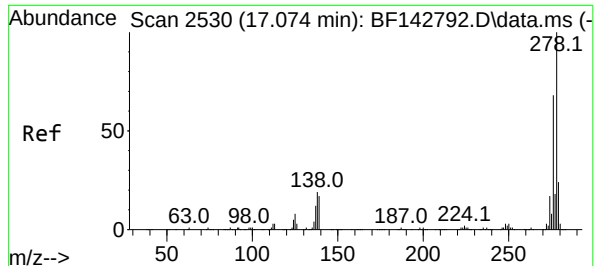
Ion Ratio Lower Upper

252 100

253 21.9 17.5 26.3

125 10.7 8.6 12.8





#91

Dibenzo(a,h)anthracene

Concen: 39.266 ng

RT: 17.074 min Scan# 2530

Delta R.T. 0.000 min

Lab File: BF142792.D

Acq: 19 Jun 2025 19:09

Instrument :

BNA_F

ClientSampleId :

SSTDICCC040

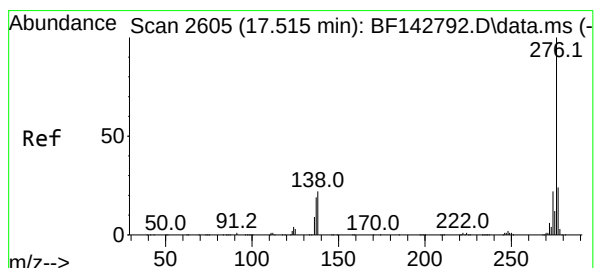
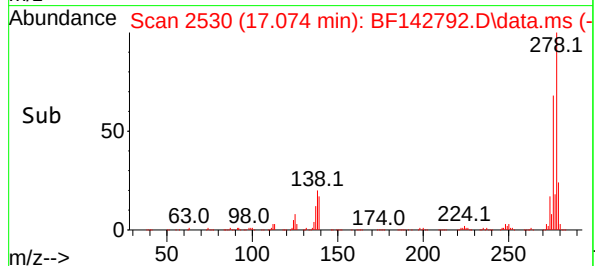
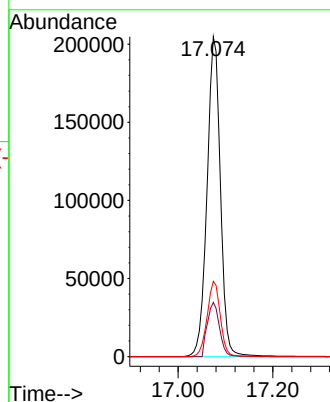
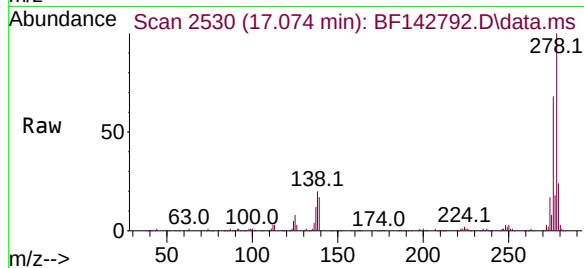
Tgt Ion:278 Resp: 401876

Ion Ratio Lower Upper

278 100

139 16.9 13.5 20.3

279 23.5 18.8 28.2



#92

Benzo(g,h,i)perylene

Concen: 39.635 ng

RT: 17.515 min Scan# 2605

Delta R.T. 0.000 min

Lab File: BF142792.D

Acq: 19 Jun 2025 19:09

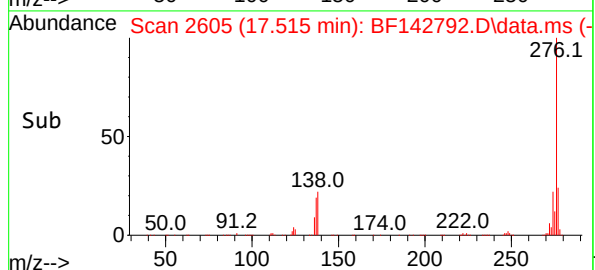
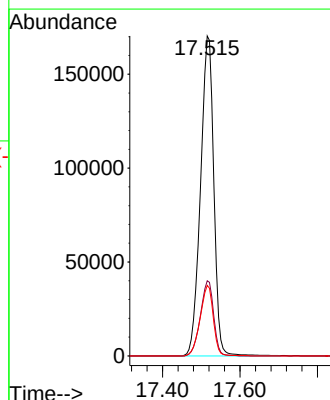
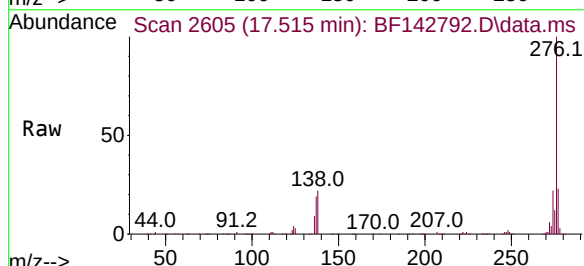
Tgt Ion:276 Resp: 404711

Ion Ratio Lower Upper

276 100

277 23.5 18.8 28.2

138 22.0 17.6 26.4



Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF061925\
 Data File : BF142793.D
 Acq On : 19 Jun 2025 19:40
 Operator : RC/JU
 Sample : SSTDICC050
 Misc :
 ALS Vial : 7 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 SSTDICC050

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

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

Internal Standards						
1) 1,4-Dichlorobenzene-d4	6.881	152	69874	20.000	ng	0.00
21) Naphthalene-d8	8.169	136	262911	20.000	ng	0.00
39) Acenaphthene-d10	9.922	164	139156	20.000	ng	0.00
64) Phenanthrene-d10	11.410	188	229780	20.000	ng	0.00
76) Chrysene-d12	14.057	240	117825	20.000	ng	0.00
86) Perylene-d12	15.545	264	139593	20.000	ng	0.00

System Monitoring Compounds						
5) 2-Fluorophenol	5.492	112	441114	107.674	ng	0.00
7) Phenol-d6	6.510	99	516909	107.451	ng	0.00
23) Nitrobenzene-d5	7.451	82	506846	105.669	ng	0.00
42) 2,4,6-Tribromophenol	10.716	330	152358	100.743	ng	0.00
45) 2-Fluorobiphenyl	9.245	172	1043477	99.755	ng	0.00
79) Terphenyl-d14	12.998	244	904305	106.820	ng	0.00

Target Compounds					Qvalue
2) 1,4-Dioxane	2.628	88	88835	54.606	ng 99
3) Pyridine	3.398	79	227576	55.874	ng 99
4) n-Nitrosodimethylamine	3.351	42	116636	55.913	ng 98
6) Aniline	6.545	93	346211	53.700	ng 99
8) 2-Chlorophenol	6.663	128	238691	53.507	ng 99
9) Benzaldehyde	6.434	77	145420	49.583	ng 99
10) Phenol	6.528	94	288461	53.781	ng 95
11) bis(2-Chloroethyl)ether	6.616	93	206661	51.933	ng 100
12) 1,3-Dichlorobenzene	6.822	146	262098	51.598	ng 99
13) 1,4-Dichlorobenzene	6.898	146	266098	51.685	ng 99
14) 1,2-Dichlorobenzene	7.051	146	253411	51.487	ng 99
15) Benzyl Alcohol	7.022	79	193284	53.677	ng 97
16) 2,2'-oxybis(1-Chloropr...	7.157	45	328251	52.354	ng 99
17) 2-Methylphenol	7.133	107	182167	53.415	ng 99
18) Hexachloroethane	7.392	117	94097	51.126	ng 99
19) n-Nitroso-di-n-propyla...	7.298	70	147905	48.753	ng 98
20) 3+4-Methylphenols	7.286	107	229169	53.390	ng 94
22) Acetophenone	7.292	105	303087	52.102	ng 98
24) Nitrobenzene	7.469	77	229219	53.773	ng 98
25) Isophorone	7.704	82	404886	50.334	ng 100
26) 2-Nitrophenol	7.781	139	127773	53.795	ng 99
27) 2,4-Dimethylphenol	7.816	122	216204	53.466	ng 99
28) bis(2-Chloroethoxy)met...	7.916	93	256119	51.148	ng 100
29) 2,4-Dichlorophenol	8.022	162	195589	52.478	ng 100
30) 1,2,4-Trichlorobenzene	8.104	180	213118	51.763	ng 100
31) Naphthalene	8.186	128	668713	51.717	ng 100
32) Benzoic acid	7.933	122	119196	53.128	ng 97
33) 4-Chloroaniline	8.239	127	276441	53.347	ng 99
34) Hexachlorobutadiene	8.304	225	131697	50.481	ng 99
35) Caprolactam	8.610	113	53024	52.873	ng 98
36) 4-Chloro-3-methylphenol	8.716	107	195744	50.843	ng 99
37) 2-Methylnaphthalene	8.880	142	414854	50.859	ng 99
38) 1-Methylnaphthalene	8.980	142	430144	50.792	ng 100
40) 1,2,4,5-Tetrachloroben...	9.045	216	207997	51.779	ng 100
41) Hexachlorocyclopentadiene	9.033	237	127033	50.012	ng 99
43) 2,4,6-Trichlorophenol	9.157	196	141932	54.597	ng 100

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF061925\
 Data File : BF142793.D
 Acq On : 19 Jun 2025 19:40
 Operator : RC/JU
 Sample : SSTDICC050
 Misc :
 ALS Vial : 7 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 SSTDICC050

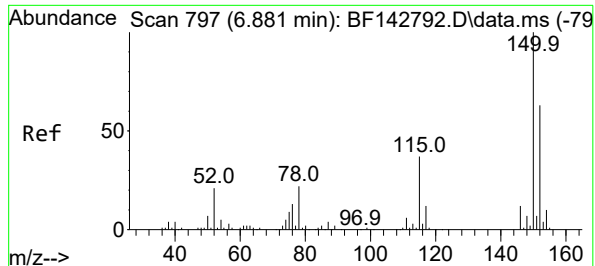
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 Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF061925.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Fri Jun 20 04:36:38 2025
 Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
44) 2,4,5-Trichlorophenol	9.198	196	144717	51.550	ng	100
46) 1,1'-Biphenyl	9.345	154	559765	51.807	ng	99
47) 2-Chloronaphthalene	9.369	162	420603	52.754	ng	100
48) 2-Nitroaniline	9.463	65	124478	54.955	ng	99
49) Acenaphthylene	9.786	152	694098	51.783	ng	100
50) Dimethylphthalate	9.645	163	464372	50.308	ng	100
51) 2,6-Dinitrotoluene	9.710	165	102361	51.156	ng	98
52) Acenaphthene	9.957	154	427135	51.498	ng	100
53) 3-Nitroaniline	9.874	138	117448	54.038	ng	98
54) 2,4-Dinitrophenol	9.986	184	60308	55.696	ng	92
55) Dibenzofuran	10.127	168	609507	51.506	ng	100
56) 4-Nitrophenol	10.033	139	82688	56.047	ng	98
57) 2,4-Dinitrotoluene	10.110	165	141691	53.554	ng	98
58) Fluorene	10.474	166	473968	50.747	ng	99
59) 2,3,4,6-Tetrachlorophenol	10.245	232	120008	50.988	ng	97
60) Diethylphthalate	10.345	149	458546	50.010	ng	100
61) 4-Chlorophenyl-phenyle...	10.463	204	222613	49.076	ng	98
62) 4-Nitroaniline	10.492	138	109973	56.363	ng	97
63) Azobenzene	10.622	77	409164	51.063	ng	100
65) 4,6-Dinitro-2-methylph...	10.522	198	76696	53.713	ng	97
66) n-Nitrosodiphenylamine	10.580	169	411917	52.171	ng	99
67) 4-Bromophenyl-phenylether	10.957	248	135699	50.425	ng	98
68) Hexachlorobenzene	11.021	284	150669	50.432	ng	99
69) Atrazine	11.110	200	111915	53.385	ng	99
70) Pentachlorophenol	11.216	266	81577	52.574	ng	98
71) Phenanthrene	11.439	178	644668	52.403	ng	99
72) Anthracene	11.492	178	654942	51.433	ng	99
73) Carbazole	11.645	167	575784	53.996	ng	100
74) Di-n-butylphthalate	11.968	149	616452	52.211	ng	100
75) Fluoranthene	12.627	202	608190	52.032	ng	100
77) Benzidine	12.745	184	242794	58.208	ng	100
78) Pyrene	12.857	202	597913	55.205	ng	99
80) Butylbenzylphthalate	13.474	149	180565	56.257	ng	97
81) Benzo(a)anthracene	14.045	228	413349	53.431	ng	100
82) 3,3'-Dichlorobenzidine	14.010	252	140152	55.949	ng	99
83) Chrysene	14.080	228	381352	52.950	ng	100
84) Bis(2-ethylhexyl)phtha...	14.027	149	253542	53.016	ng	100
85) Di-n-octyl phthalate	14.645	149	474143	52.029	ng	100
87) Indeno(1,2,3-cd)pyrene	17.062	276	575271	55.741	ng	100
88) Benzo(b)fluoranthene	15.109	252	401915	49.437	ng	100
89) Benzo(k)fluoranthene	15.139	252	416169	52.440	ng	100
90) Benzo(a)pyrene	15.486	252	419030	53.860	ng	99
91) Dibenzo(a,h)anthracene	17.080	278	466485	55.594	ng	99
92) Benzo(g,h,i)perylene	17.521	276	464951	55.540	ng	99

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

Instrument :
BNA_F
ClientSampleId :
SSTDICC050

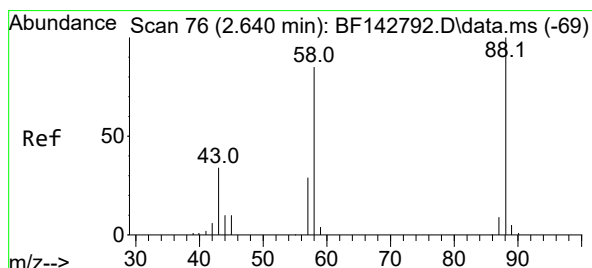
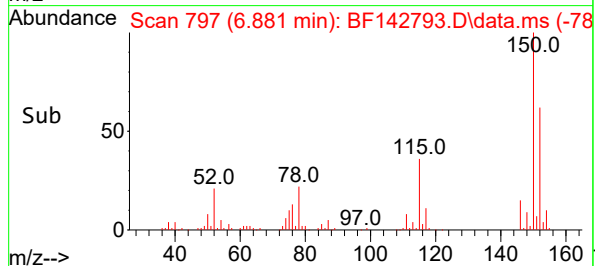
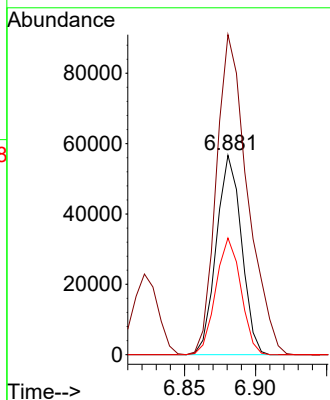
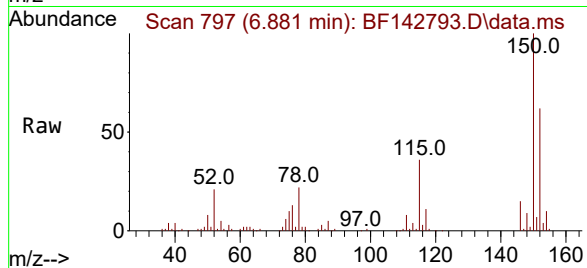
[illegible]



#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.881 min Scan# 79
Delta R.T. -0.000 min
Lab File: BF142793.D
Acq: 19 Jun 2025 19:40

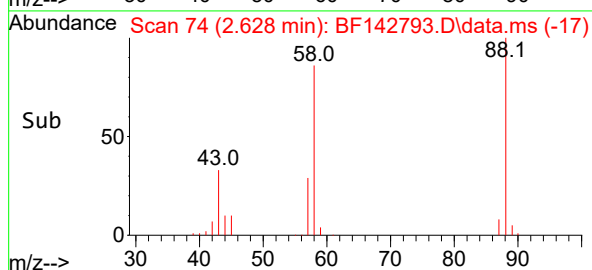
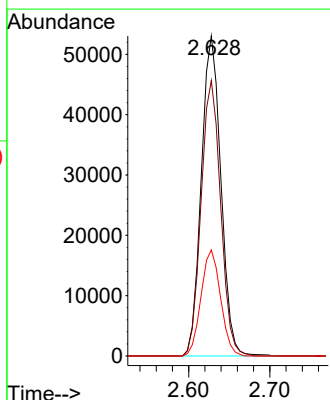
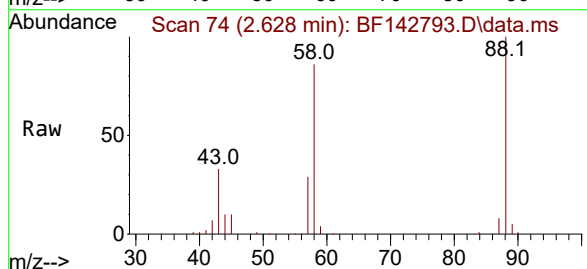
Instrument :
BNA_F
ClientSampleId :
SSTDICC050

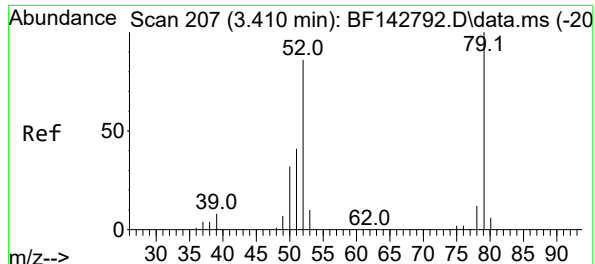
Tgt Ion:152 Resp: 69874
Ion Ratio Lower Upper
152 100
150 160.5 127.2 190.8
115 58.5 46.6 69.8



#2
1,4-Dioxane
Concen: 54.606 ng
RT: 2.628 min Scan# 74
Delta R.T. -0.012 min
Lab File: BF142793.D
Acq: 19 Jun 2025 19:40

Tgt Ion: 88 Resp: 88835
Ion Ratio Lower Upper
88 100
58 85.8 69.1 103.7
43 33.0 27.4 41.2





#3

Pyridine

Concen: 55.874 ng

RT: 3.398 min Scan# 20

Delta R.T. -0.012 min

Lab File: BF142793.D

Acq: 19 Jun 2025 19:40

Instrument :

BNA_F

ClientSampleId :

SSTDICC050

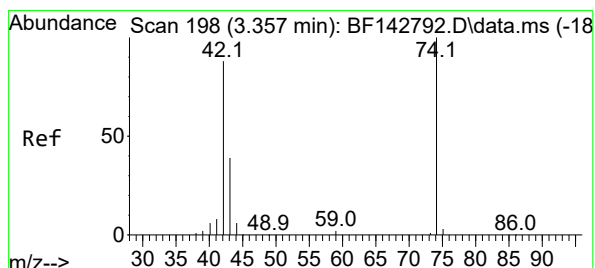
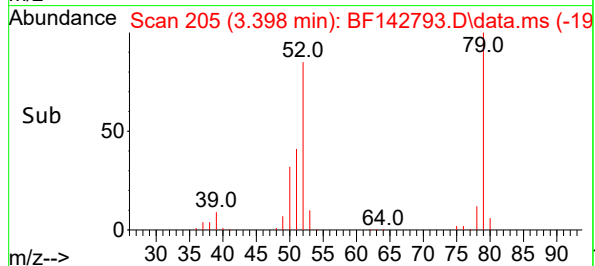
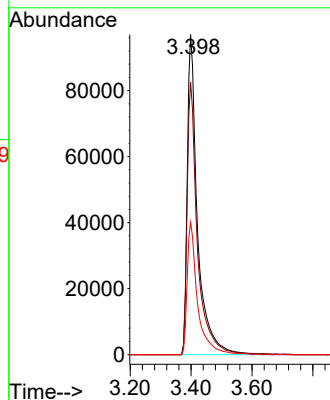
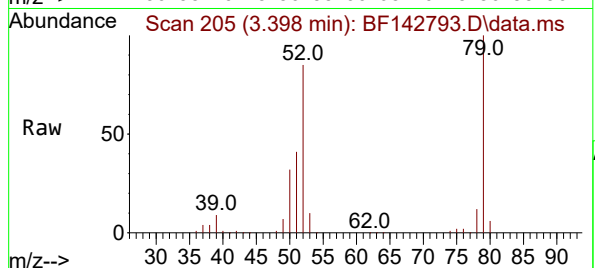
Tgt Ion: 79 Resp: 227576

Ion Ratio Lower Upper

79 100

52 85.2 69.2 103.8

51 41.4 33.2 49.8



#4

n-Nitrosodimethylamine

Concen: 55.913 ng

RT: 3.351 min Scan# 197

Delta R.T. -0.006 min

Lab File: BF142793.D

Acq: 19 Jun 2025 19:40

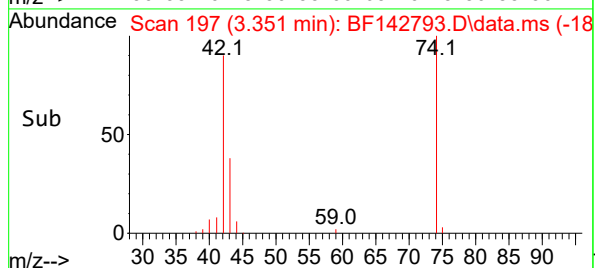
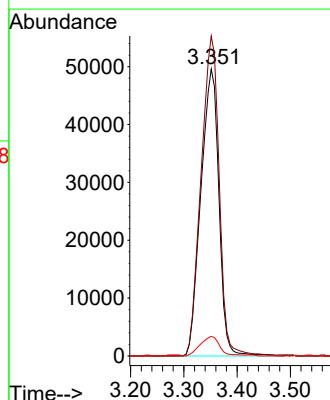
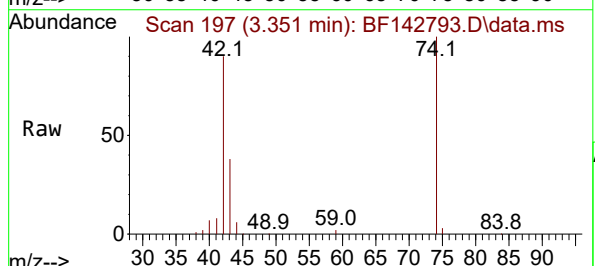
Tgt Ion: 42 Resp: 116636

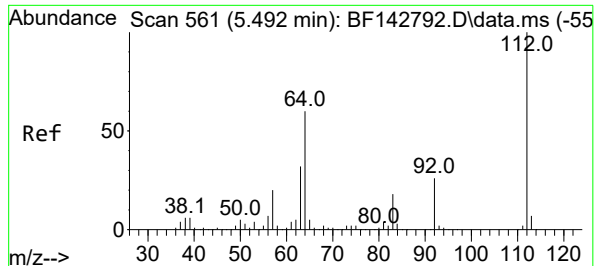
Ion Ratio Lower Upper

42 100

74 111.5 90.9 136.3

44 6.8 5.8 8.6





#5

2-Fluorophenol

Concen: 107.674 ng

RT: 5.492 min Scan# 561

Delta R.T. -0.000 min

Lab File: BF142793.D

Acq: 19 Jun 2025 19:40

Instrument :

BNA_F

ClientSampleId :

SSTDICC050

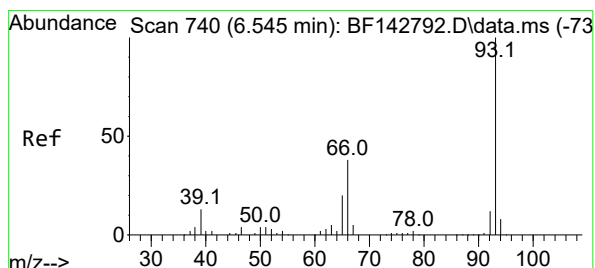
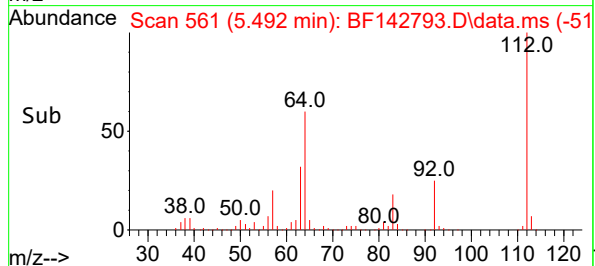
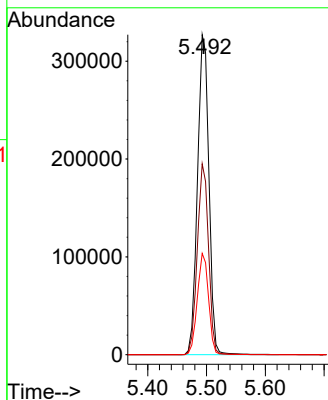
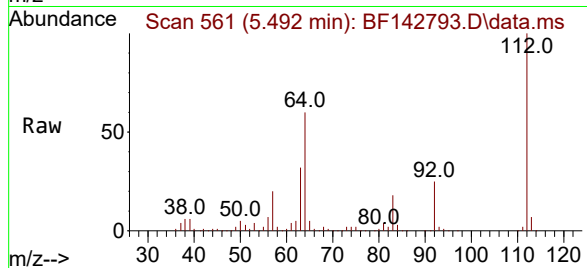
Tgt Ion:112 Resp: 441114

Ion Ratio Lower Upper

112 100

64 59.6 48.2 72.2

63 31.6 25.7 38.5



#6

Aniline

Concen: 53.700 ng

RT: 6.545 min Scan# 740

Delta R.T. -0.000 min

Lab File: BF142793.D

Acq: 19 Jun 2025 19:40

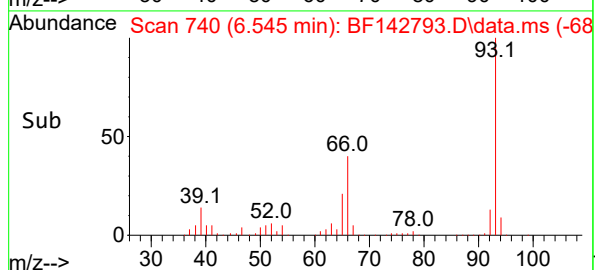
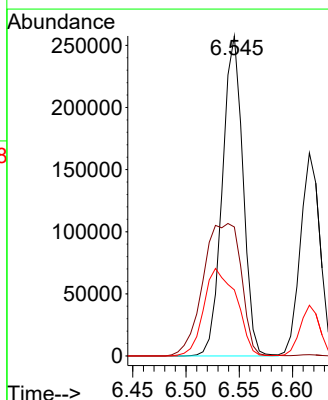
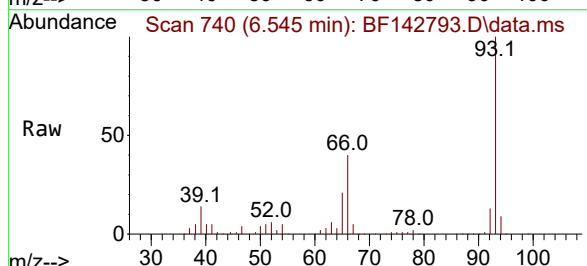
Tgt Ion: 93 Resp: 346211

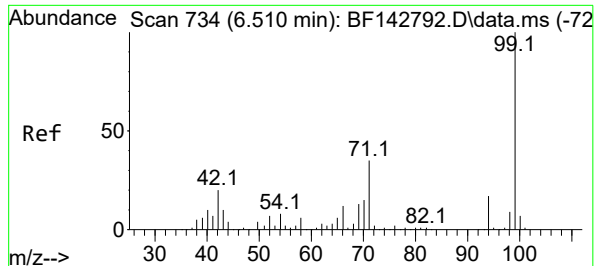
Ion Ratio Lower Upper

93 100

66 40.3 31.8 47.6

65 20.7 16.2 24.2





#7

Phenol-d6

Concen: 107.451 ng

RT: 6.510 min Scan# 71

Delta R.T. -0.000 min

Lab File: BF142793.D

Acq: 19 Jun 2025 19:40

Instrument :

BNA_F

ClientSampleId :

SSTDICC050

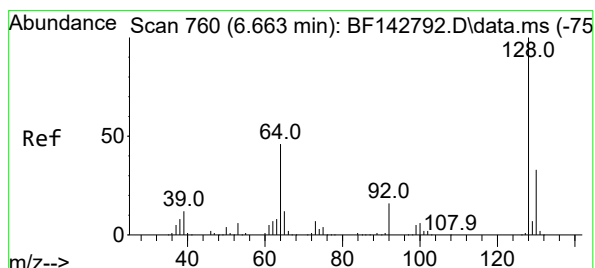
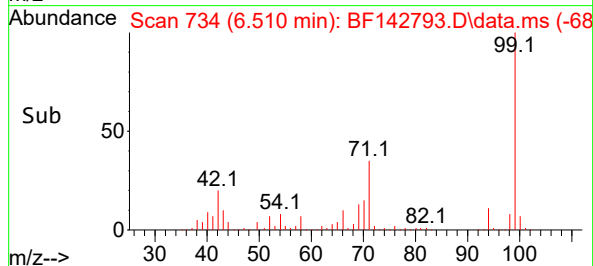
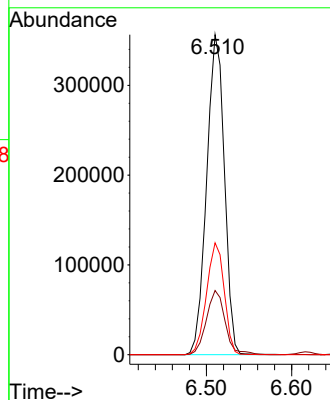
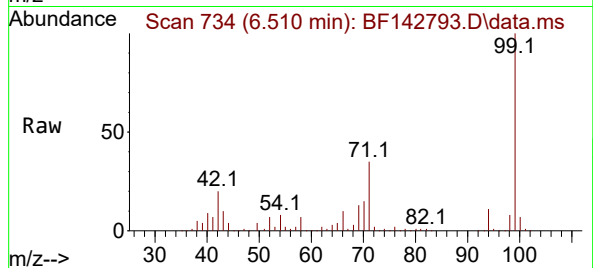
Tgt Ion: 99 Resp: 516909

Ion Ratio Lower Upper

99 100

42 20.1 15.9 23.9

71 34.9 27.8 41.8



#8

2-Chlorophenol

Concen: 53.507 ng

RT: 6.663 min Scan# 760

Delta R.T. -0.000 min

Lab File: BF142793.D

Acq: 19 Jun 2025 19:40

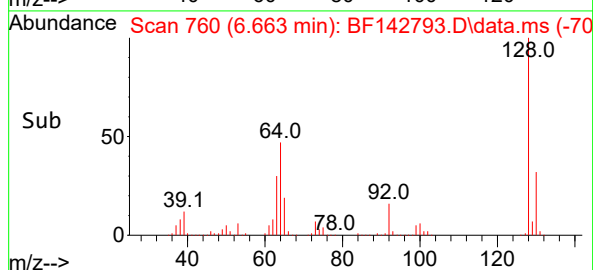
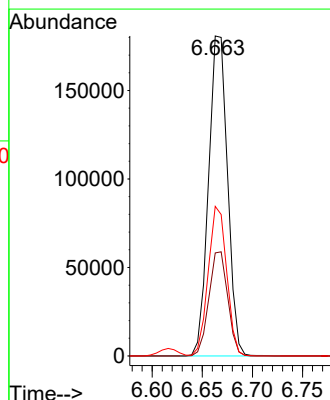
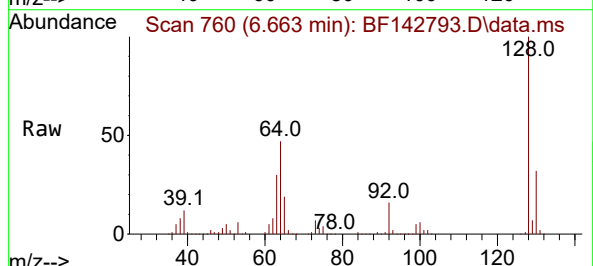
Tgt Ion:128 Resp: 238691

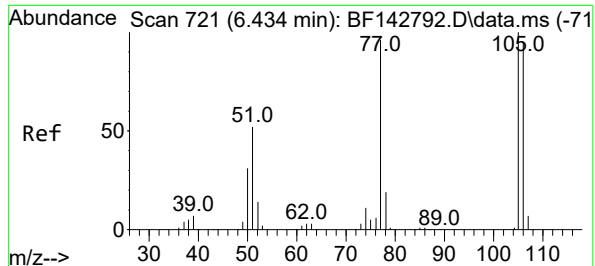
Ion Ratio Lower Upper

128 100

130 32.2 12.7 52.7

64 46.8 26.5 66.5





#9

Benzaldehyde

Concen: 49.583 ng

RT: 6.434 min Scan# 71

Delta R.T. -0.000 min

Lab File: BF142793.D

Acq: 19 Jun 2025 19:40

Instrument :

BNA_F

ClientSampleId :

SSTDICC050

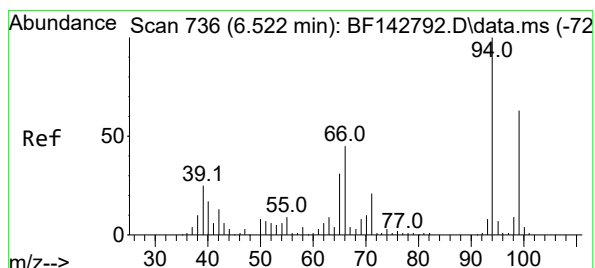
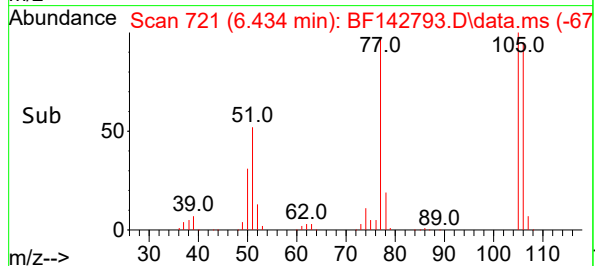
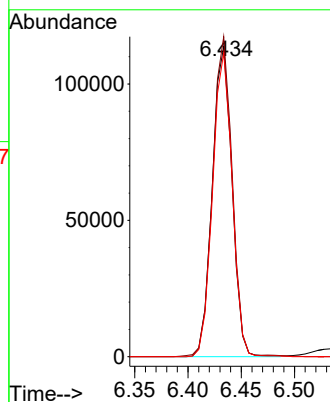
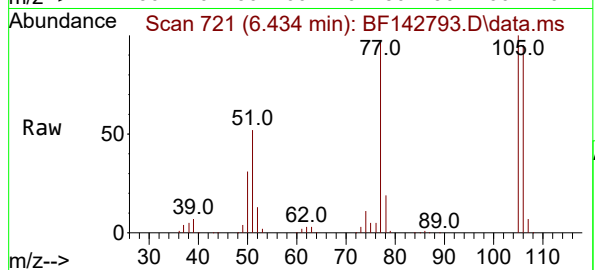
Tgt Ion: 77 Resp: 145420

Ion Ratio Lower Upper

77 100

105 103.2 83.8 123.8

106 98.0 78.7 118.7



#10

Phenol

Concen: 53.781 ng

RT: 6.528 min Scan# 737

Delta R.T. 0.006 min

Lab File: BF142793.D

Acq: 19 Jun 2025 19:40

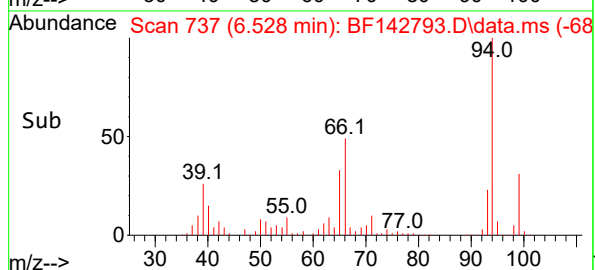
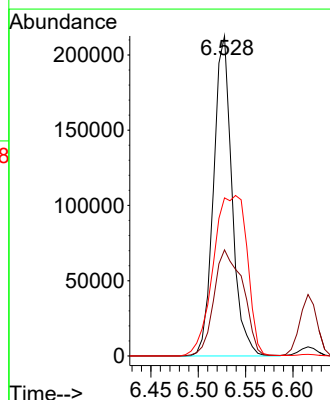
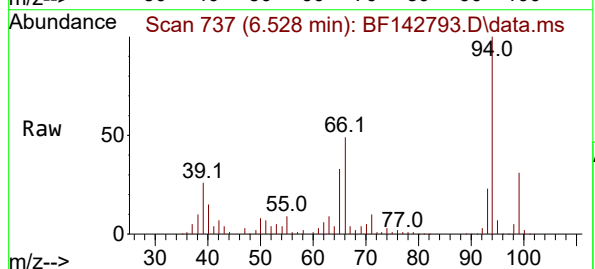
Tgt Ion: 94 Resp: 288461

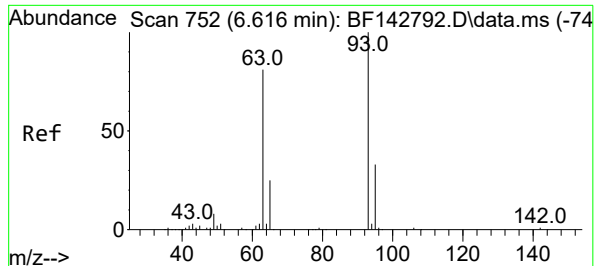
Ion Ratio Lower Upper

94 100

65 33.2 11.3 51.3

66 49.4 24.9 64.9

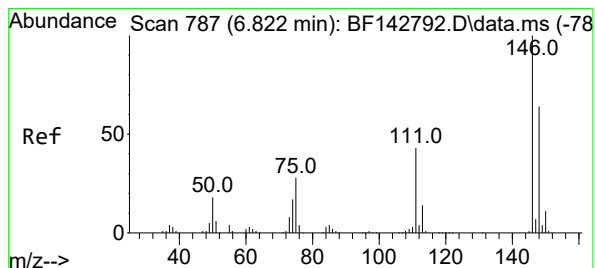
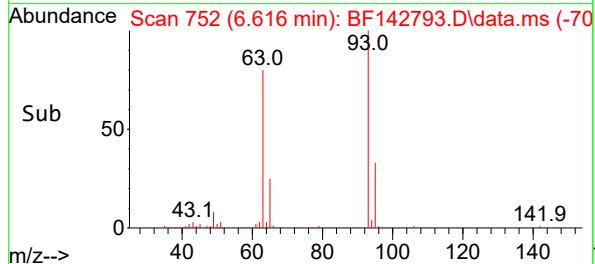
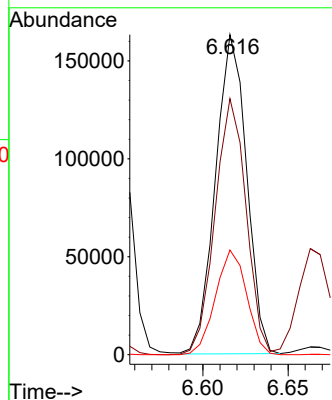
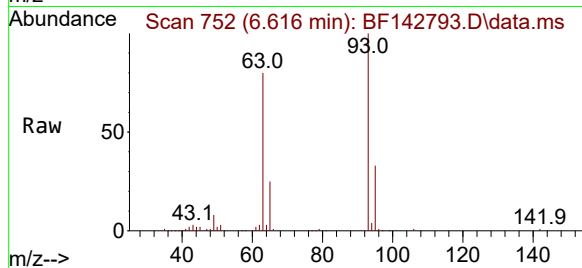




#11
bis(2-Chloroethyl)ether
Concen: 51.933 ng
RT: 6.616 min Scan# 752
Delta R.T. -0.000 min
Lab File: BF142793.D
Acq: 19 Jun 2025 19:40

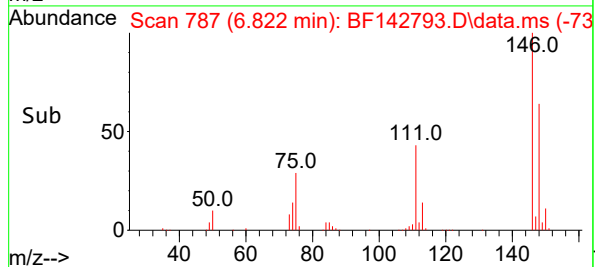
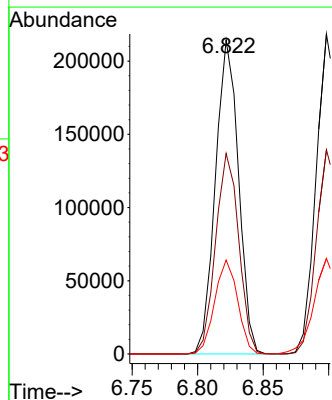
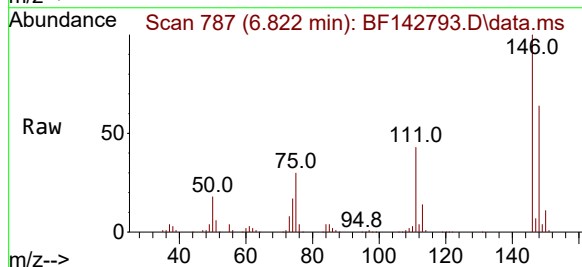
Instrument :
BNA_F
ClientSampleId :
SSTDICC050

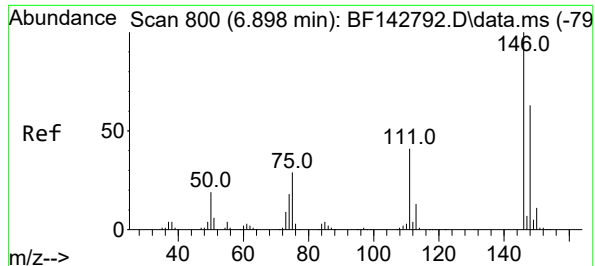
Tgt Ion: 93 Resp: 206661
Ion Ratio Lower Upper
93 100
63 80.0 60.3 100.3
95 32.7 12.5 52.5



#12
1,3-Dichlorobenzene
Concen: 51.598 ng
RT: 6.822 min Scan# 787
Delta R.T. -0.000 min
Lab File: BF142793.D
Acq: 19 Jun 2025 19:40

Tgt Ion: 146 Resp: 262098
Ion Ratio Lower Upper
146 100
148 63.9 51.1 76.7
75 29.9 22.7 34.1





#13

1,4-Dichlorobenzene

Concen: 51.685 ng

RT: 6.898 min Scan# 800

Delta R.T. -0.000 min

Lab File: BF142793.D

Acq: 19 Jun 2025 19:40

Instrument :

BNA_F

ClientSampleId :

SSTDICC050

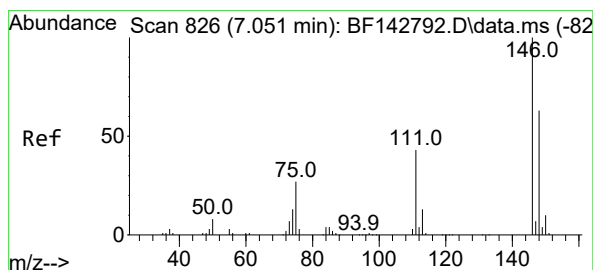
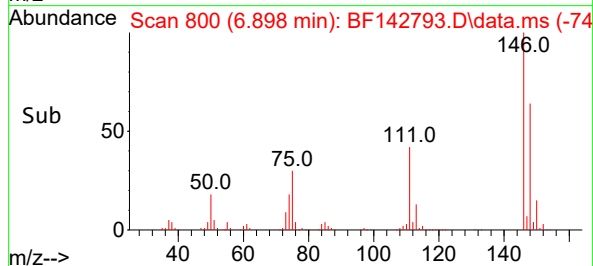
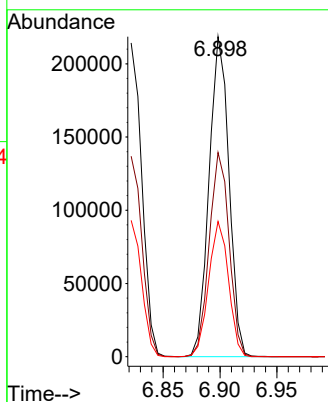
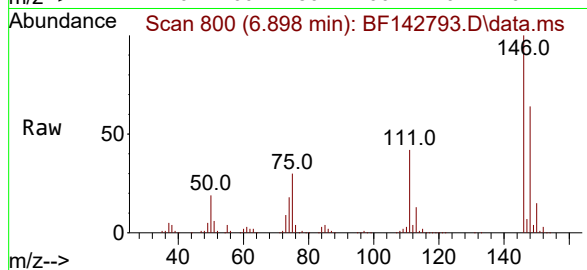
Tgt Ion:146 Resp: 266098

Ion Ratio Lower Upper

146 100

148 63.8 50.2 75.2

111 42.2 33.2 49.8



#14

1,2-Dichlorobenzene

Concen: 51.487 ng

RT: 7.051 min Scan# 826

Delta R.T. -0.000 min

Lab File: BF142793.D

Acq: 19 Jun 2025 19:40

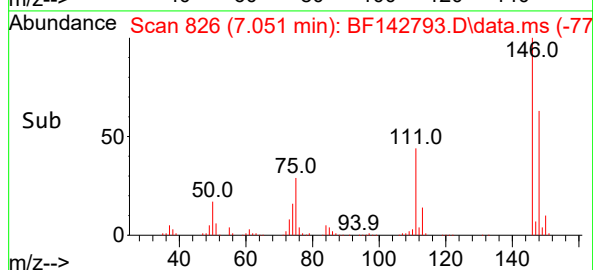
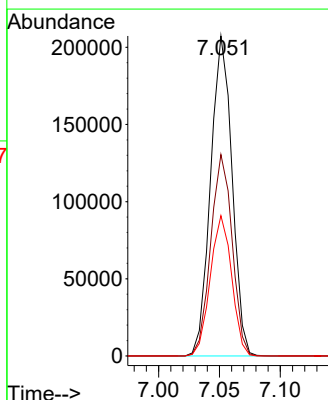
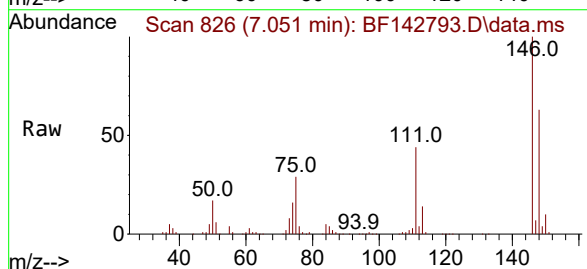
Tgt Ion:146 Resp: 253411

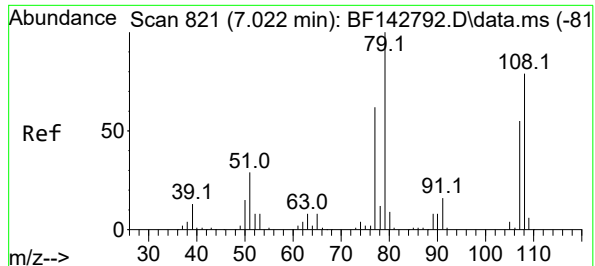
Ion Ratio Lower Upper

146 100

148 62.9 50.4 75.6

111 43.9 34.1 51.1





#15

Benzyl Alcohol

Concen: 53.677 ng

RT: 7.022 min Scan# 81

Delta R.T. -0.000 min

Lab File: BF142793.D

Acq: 19 Jun 2025 19:40

Instrument :

BNA_F

ClientSampleId :

SSTDICC050

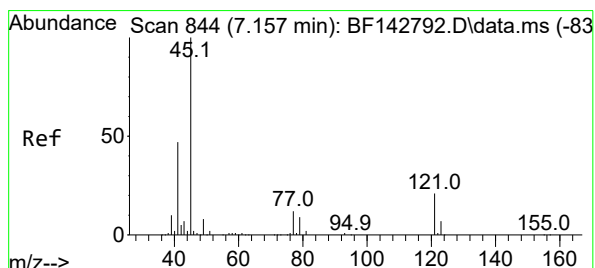
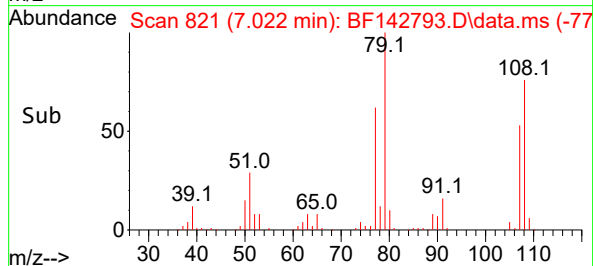
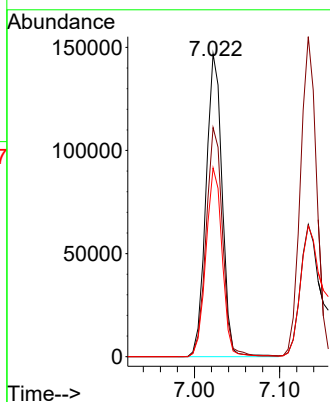
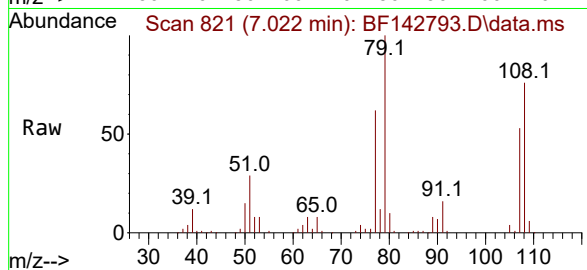
Tgt Ion: 79 Resp: 193284

Ion Ratio Lower Upper

79 100

108 75.6 63.4 95.0

77 62.4 49.5 74.3



#16

2,2'-oxybis(1-Chloropropane)

Concen: 52.354 ng

RT: 7.157 min Scan# 844

Delta R.T. -0.000 min

Lab File: BF142793.D

Acq: 19 Jun 2025 19:40

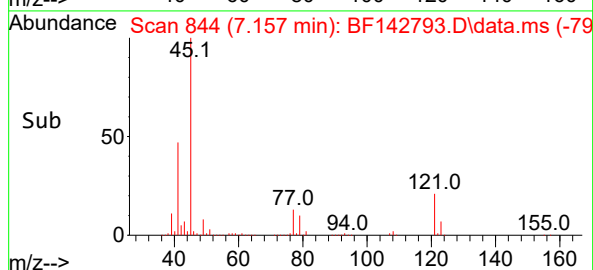
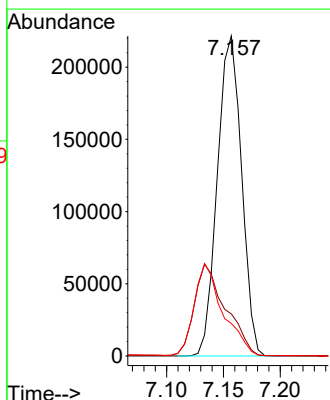
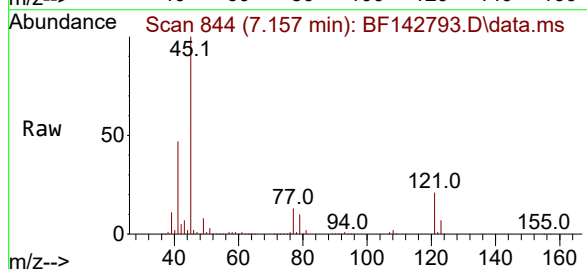
Tgt Ion: 45 Resp: 328251

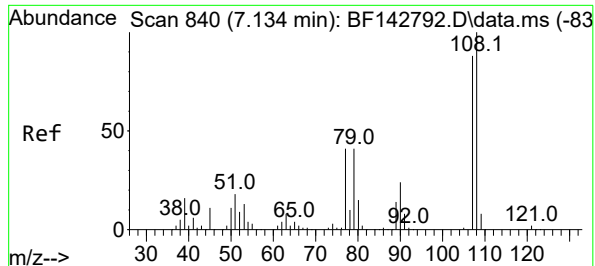
Ion Ratio Lower Upper

45 100

77 13.1 0.0 32.8

79 10.2 0.0 29.8

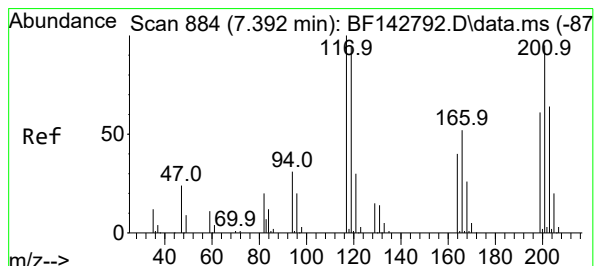
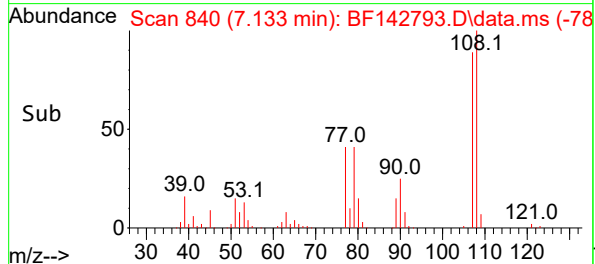
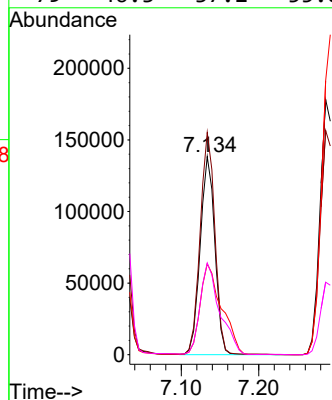
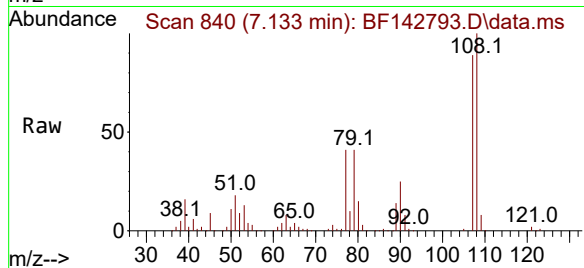




#17
2-Methylphenol
Concen: 53.415 ng
RT: 7.133 min Scan# 840
Delta R.T. -0.000 min
Lab File: BF142793.D
Acq: 19 Jun 2025 19:40

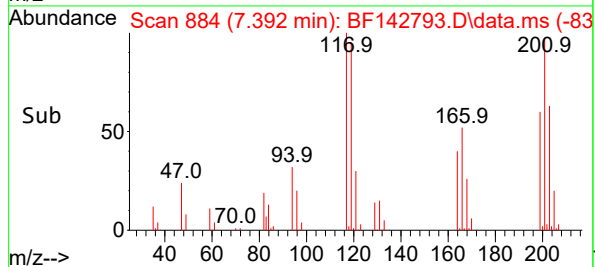
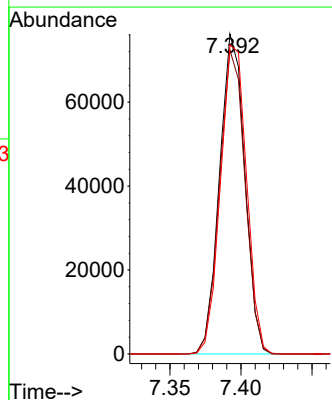
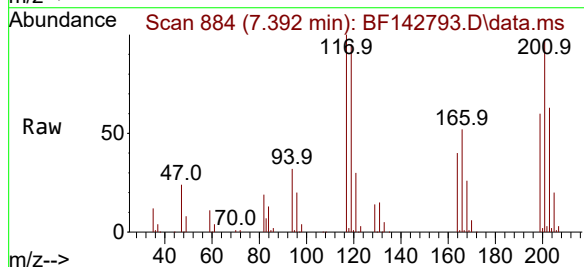
Instrument :
BNA_F
ClientSampleId :
SSTDICC050

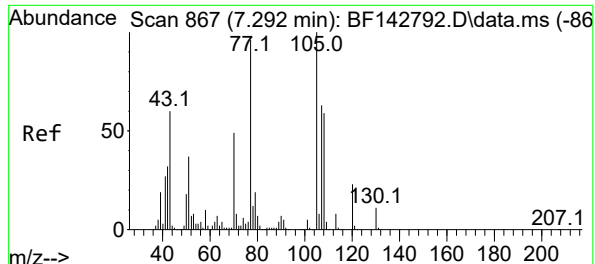
Tgt Ion:107 Resp: 182167
Ion Ratio Lower Upper
107 100
108 112.2 90.9 136.3
77 45.9 37.3 55.9
79 46.3 37.2 55.8



#18
Hexachloroethane
Concen: 51.126 ng
RT: 7.392 min Scan# 884
Delta R.T. -0.000 min
Lab File: BF142793.D
Acq: 19 Jun 2025 19:40

Tgt Ion:117 Resp: 94097
Ion Ratio Lower Upper
117 100
119 94.9 75.4 113.0
201 96.6 75.9 113.9





#19

n-Nitroso-di-n-propylamine

Concen: 48.753 ng

RT: 7.298 min Scan# 868

Delta R.T. 0.006 min

Lab File: BF142793.D

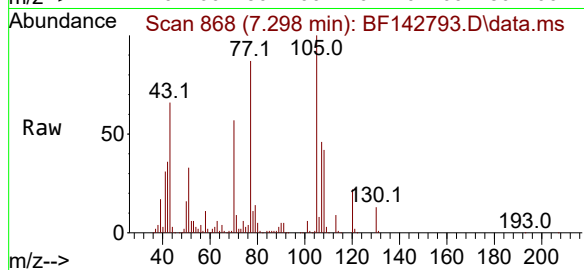
Acq: 19 Jun 2025 19:40

Instrument :

BNA_F

ClientSampleId :

SSTDICC050



Tgt Ion: 70 Resp: 147905

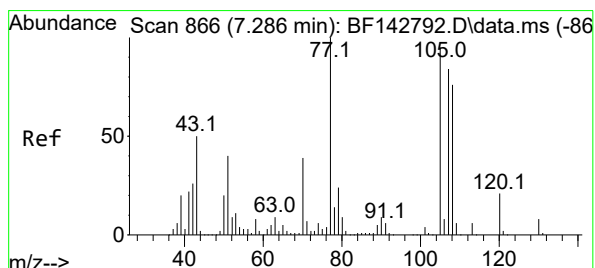
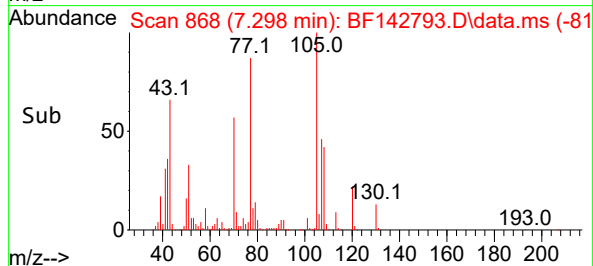
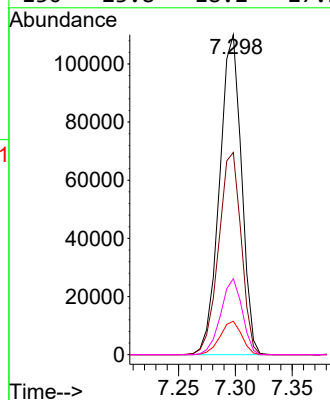
Ion Ratio Lower Upper

70 100

42 63.2 52.1 78.1

101 10.4 8.2 12.2

130 23.8 18.2 27.2



#20

3+4-Methylphenols

Concen: 53.390 ng

RT: 7.286 min Scan# 866

Delta R.T. -0.000 min

Lab File: BF142793.D

Acq: 19 Jun 2025 19:40

Tgt Ion: 107 Resp: 229169

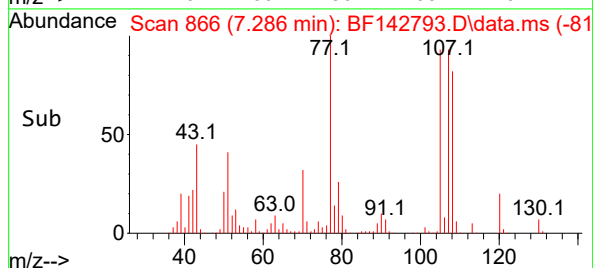
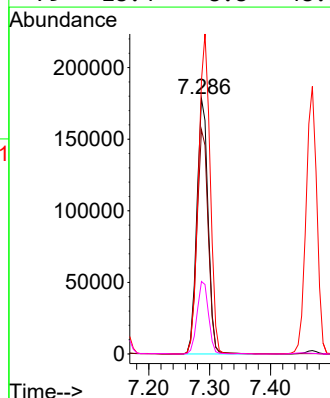
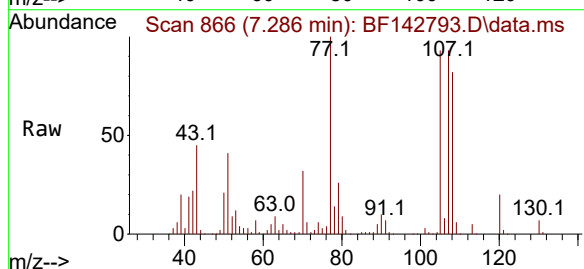
Ion Ratio Lower Upper

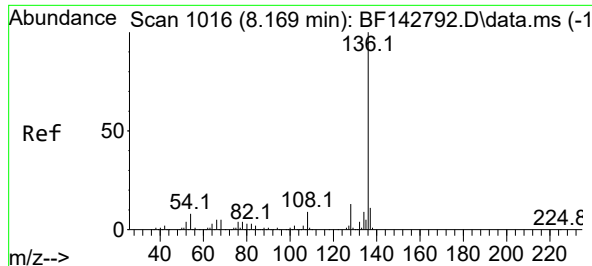
107 100

108 87.9 70.0 110.0

77 107.3 98.5 138.5

79 28.4 8.8 48.8





#21

Naphthalene-d8

Concen: 20.000 ng

RT: 8.169 min Scan# 1016

Delta R.T. -0.000 min

Lab File: BF142793.D

Acq: 19 Jun 2025 19:40

Instrument :

BNA_F

ClientSampleId :

SSTDICC050

Tgt Ion:136 Resp: 262911

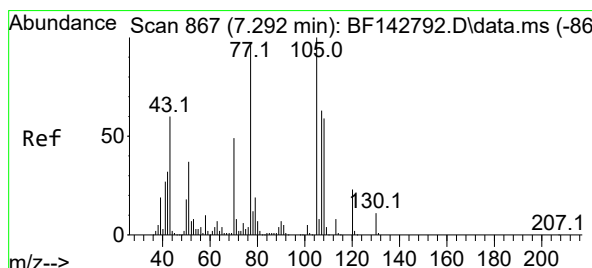
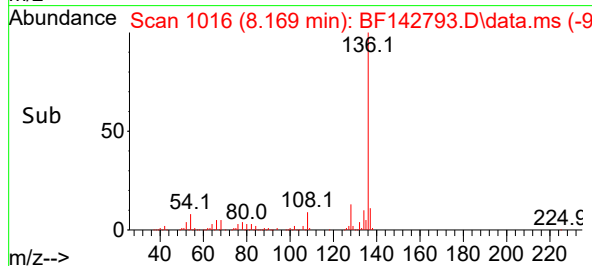
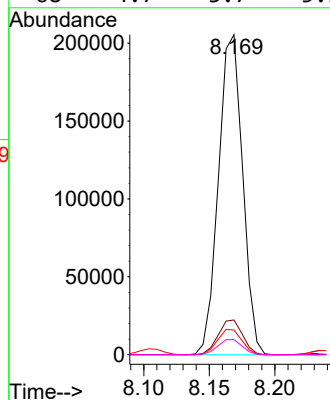
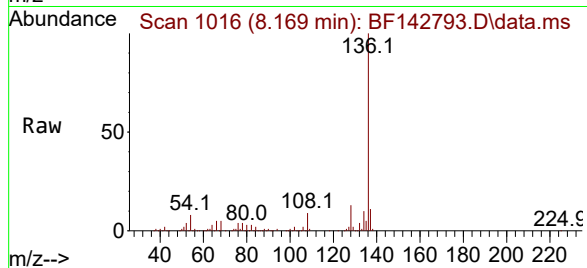
Ion Ratio Lower Upper

136 100

137 10.8 8.4 12.6

54 7.7 6.3 9.5

68 4.7 3.7 5.5



#22

Acetophenone

Concen: 52.102 ng

RT: 7.292 min Scan# 867

Delta R.T. -0.000 min

Lab File: BF142793.D

Acq: 19 Jun 2025 19:40

Tgt Ion:105 Resp: 303087

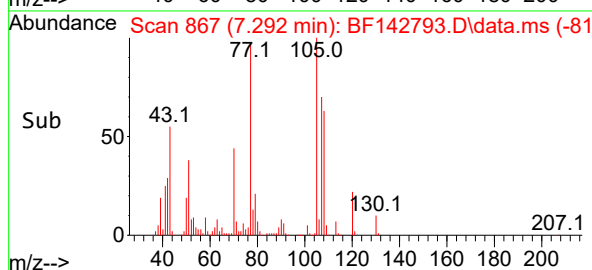
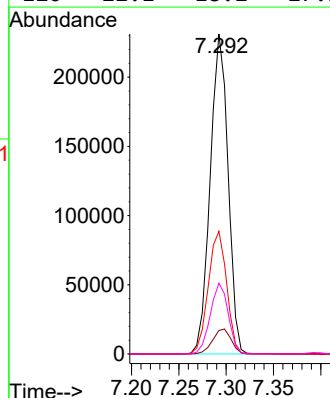
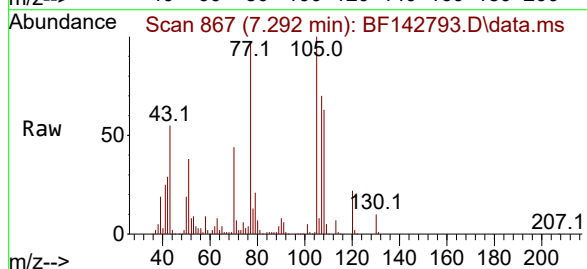
Ion Ratio Lower Upper

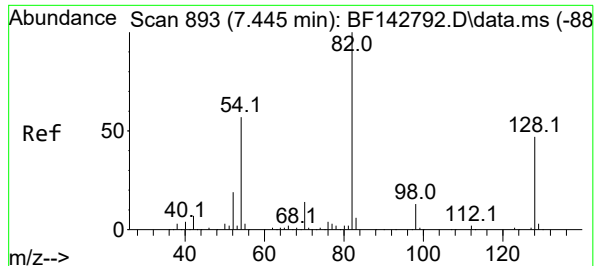
105 100

71 7.4 6.5 9.7

51 38.4 29.8 44.8

120 22.1 18.2 27.2





#23

Nitrobenzene-d5

Concen: 105.669 ng

RT: 7.451 min Scan# 894

Delta R.T. 0.006 min

Lab File: BF142793.D

Acq: 19 Jun 2025 19:40

Instrument :

BNA_F

ClientSampleId :

SSTDICC050

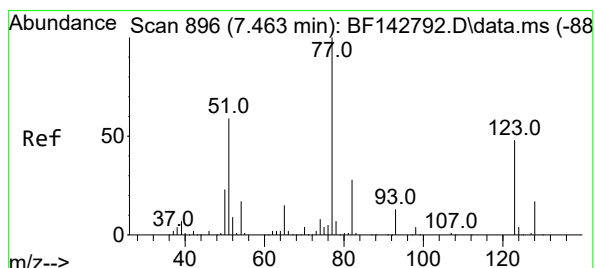
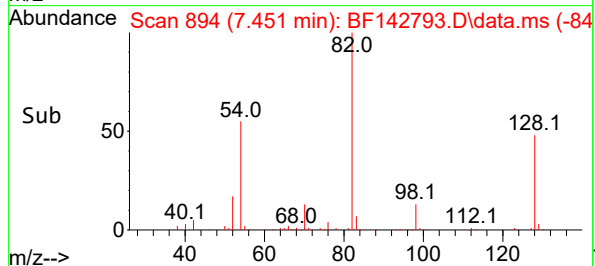
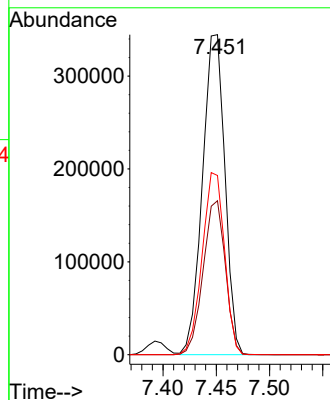
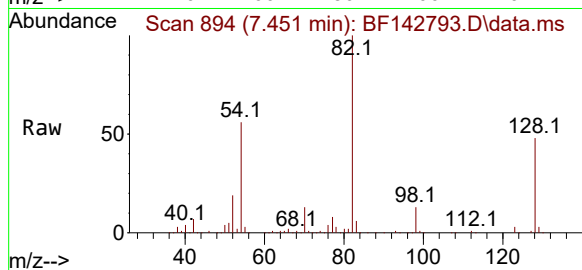
Tgt Ion: 82 Resp: 506846

Ion Ratio Lower Upper

82 100

128 48.1 37.7 56.5

54 56.0 45.7 68.5



#24

Nitrobenzene

Concen: 53.773 ng

RT: 7.469 min Scan# 897

Delta R.T. 0.006 min

Lab File: BF142793.D

Acq: 19 Jun 2025 19:40

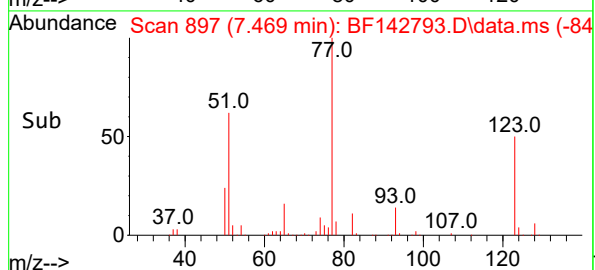
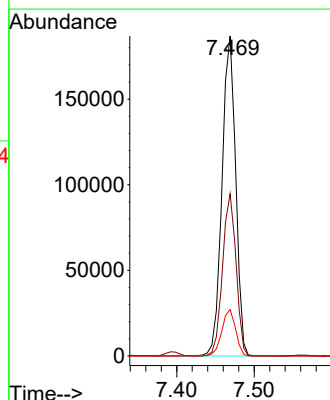
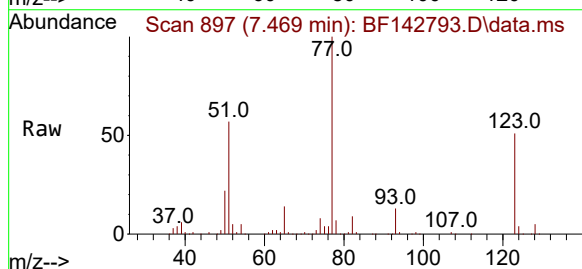
Tgt Ion: 77 Resp: 229219

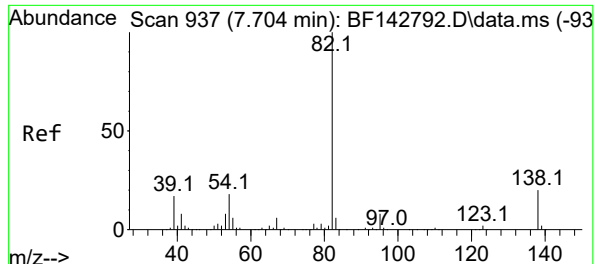
Ion Ratio Lower Upper

77 100

123 50.7 39.2 58.8

65 14.5 11.6 17.4

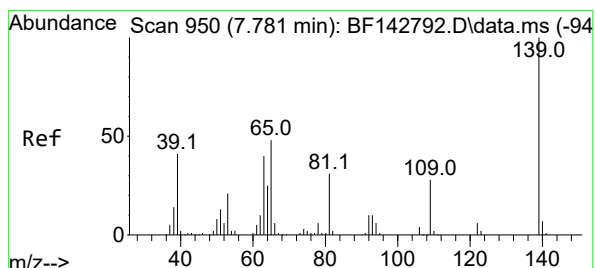
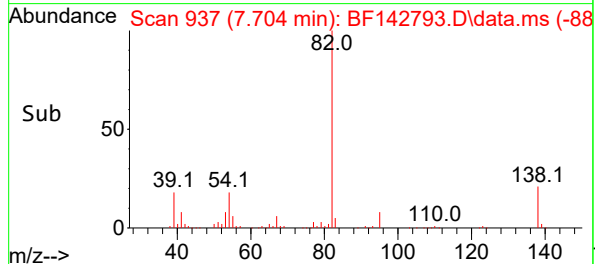
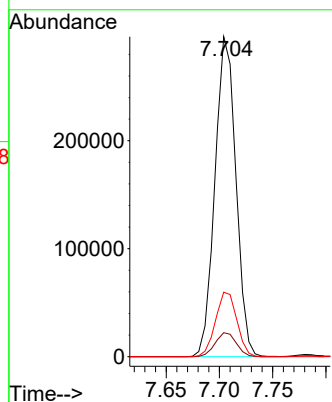
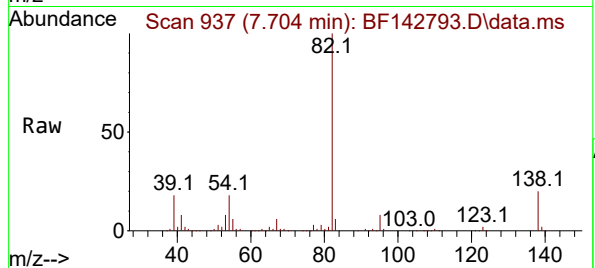




#25
Isophorone
Concen: 50.334 ng
RT: 7.704 min Scan# 91
Delta R.T. -0.000 min
Lab File: BF142793.D
Acq: 19 Jun 2025 19:40

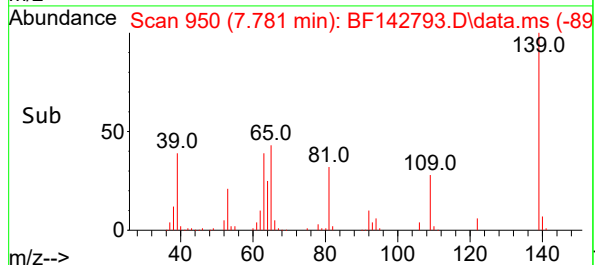
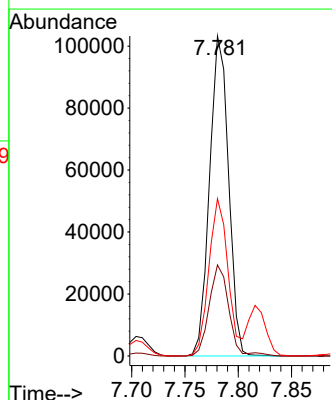
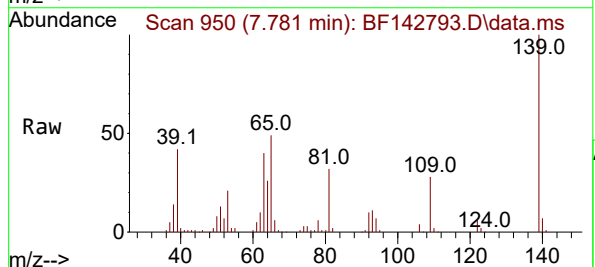
Instrument :
BNA_F
ClientSampleId :
SSTDICC050

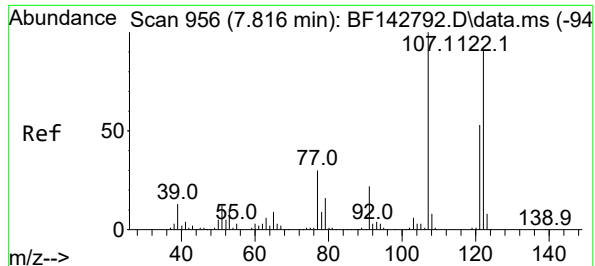
Tgt Ion: 82 Resp: 404886
Ion Ratio Lower Upper
82 100
95 7.5 6.2 9.2
138 20.2 16.2 24.4



#26
2-Nitrophenol
Concen: 53.795 ng
RT: 7.781 min Scan# 950
Delta R.T. -0.000 min
Lab File: BF142793.D
Acq: 19 Jun 2025 19:40

Tgt Ion:139 Resp: 127773
Ion Ratio Lower Upper
139 100
109 28.5 22.7 34.1
65 49.1 38.6 58.0





#27

2,4-Dimethylphenol

Concen: 53.466 ng

RT: 7.816 min Scan# 91

Delta R.T. -0.000 min

Lab File: BF142793.D

Acq: 19 Jun 2025 19:40

Instrument :

BNA_F

ClientSampleId :

SSTDICC050

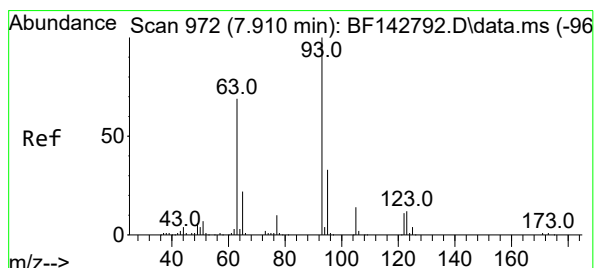
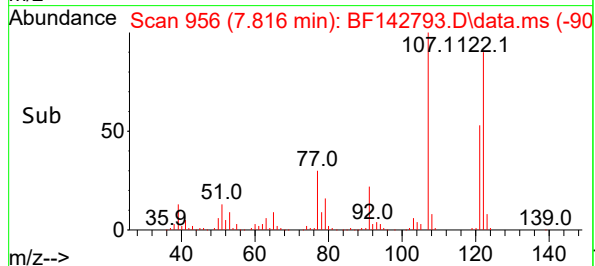
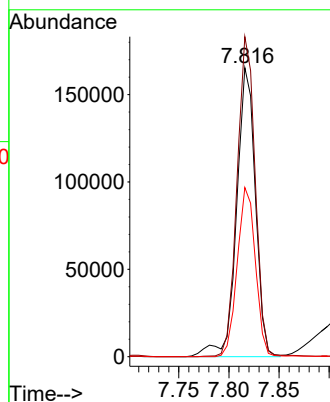
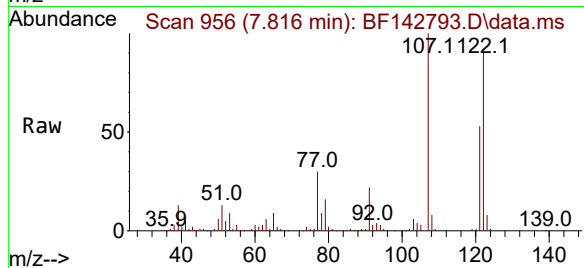
Tgt Ion:122 Resp: 216204

Ion Ratio Lower Upper

122 100

107 110.8 88.0 132.0

121 58.5 46.3 69.5



#28

bis(2-Chloroethoxy)methane

Concen: 51.148 ng

RT: 7.916 min Scan# 973

Delta R.T. 0.006 min

Lab File: BF142793.D

Acq: 19 Jun 2025 19:40

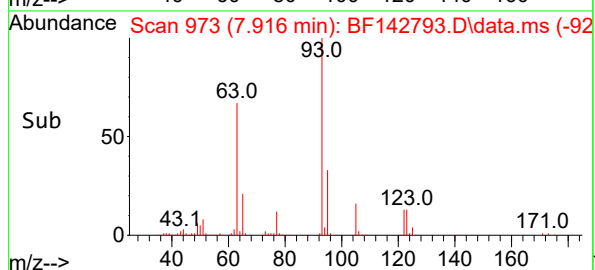
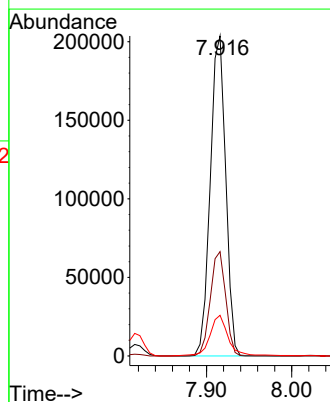
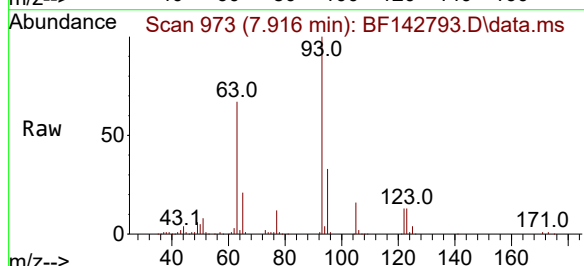
Tgt Ion: 93 Resp: 256119

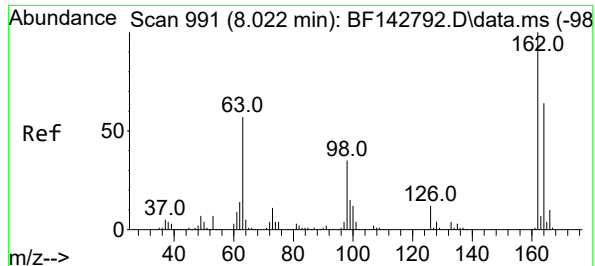
Ion Ratio Lower Upper

93 100

95 32.6 26.2 39.2

123 12.7 9.9 14.9





#29

2,4-Dichlorophenol

Concen: 52.478 ng

RT: 8.022 min Scan# 991

Delta R.T. -0.000 min

Lab File: BF142793.D

Acq: 19 Jun 2025 19:40

Instrument :

BNA_F

ClientSampleId :

SSTDICC050

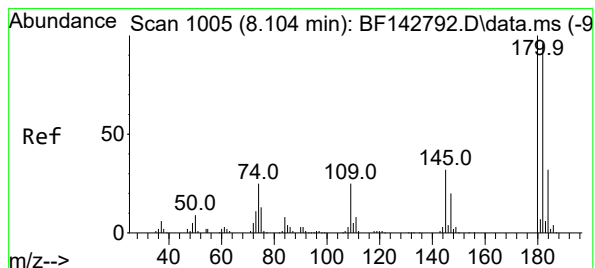
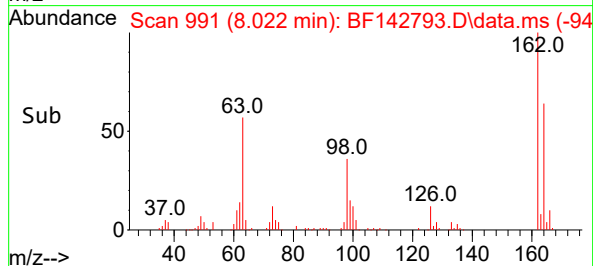
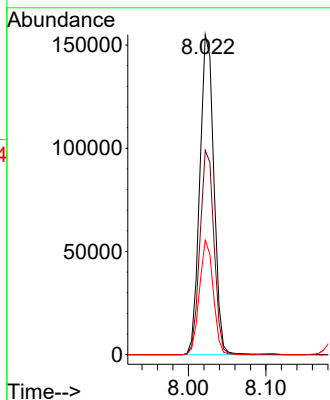
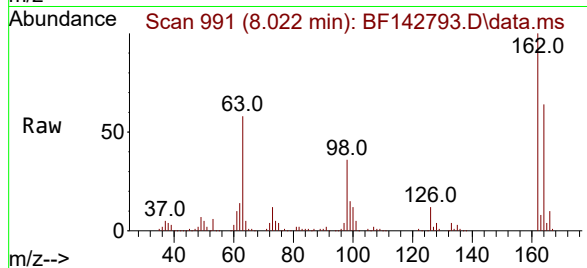
Tgt Ion:162 Resp: 195589

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

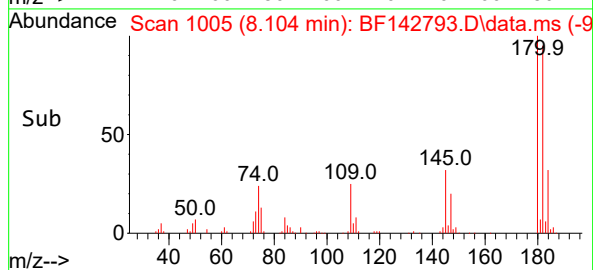
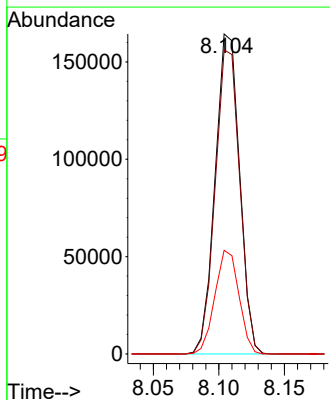
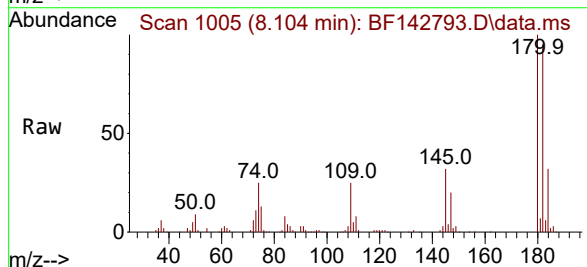
Tgt Ion:180 Resp: 213118

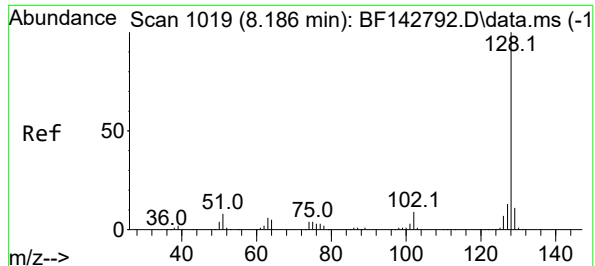
Ion Ratio Lower Upper

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

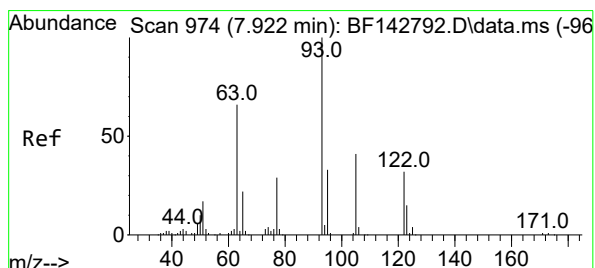
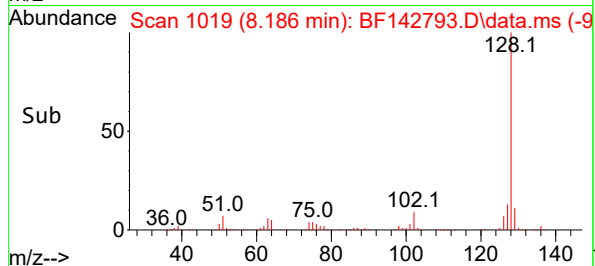
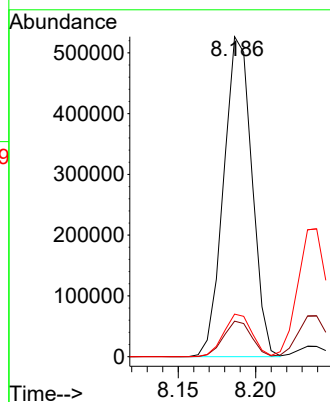
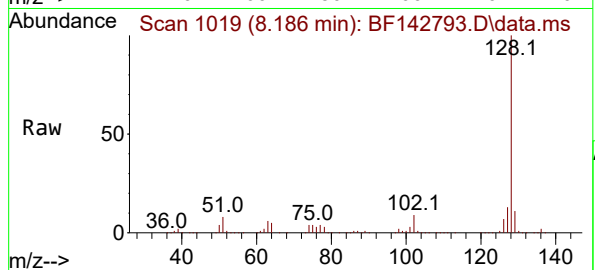
Tgt Ion:128 Resp: 668713

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

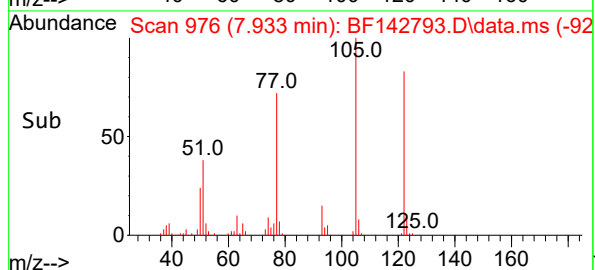
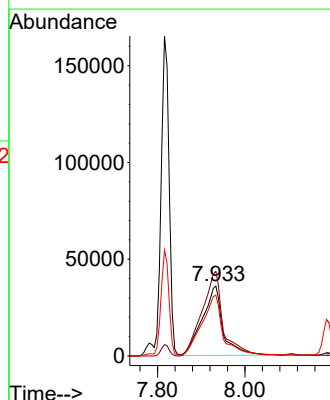
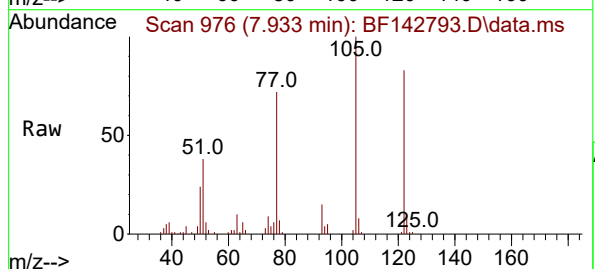
Tgt Ion:122 Resp: 119196

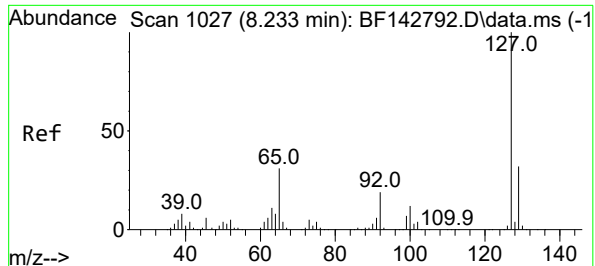
Ion Ratio Lower Upper

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

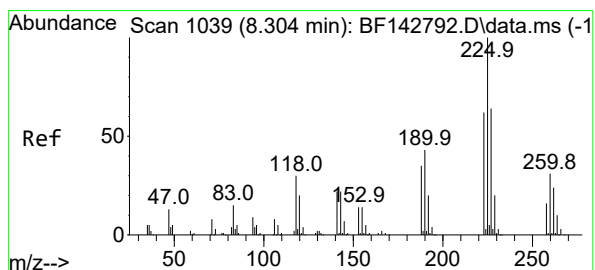
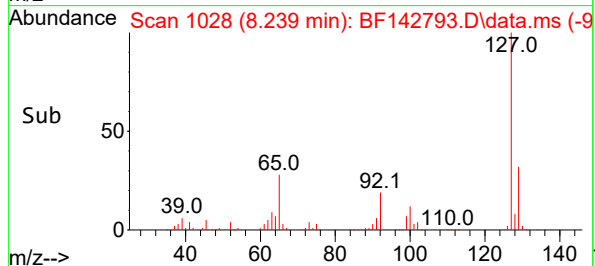
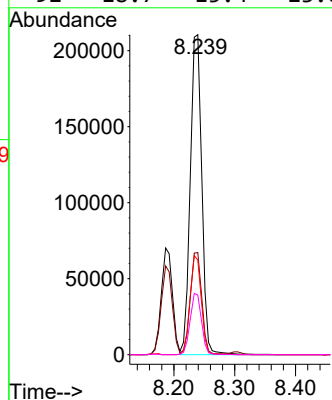
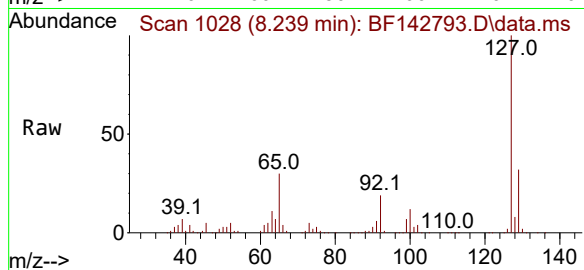
Ion Ratio Lower Upper

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

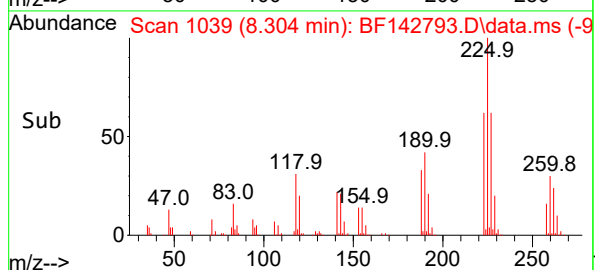
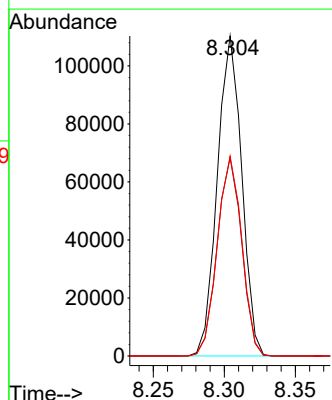
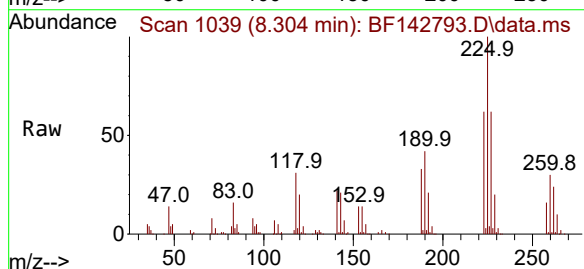
Tgt Ion:225 Resp: 131697

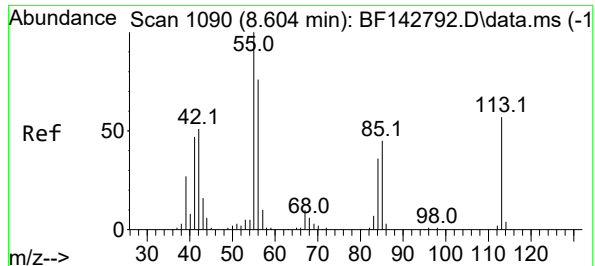
Ion Ratio Lower Upper

225 100

223 62.0 49.9 74.9

227 62.4 51.4 77.0

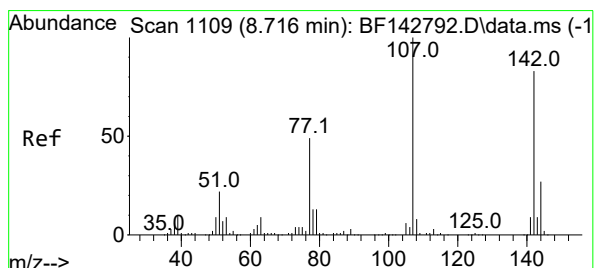
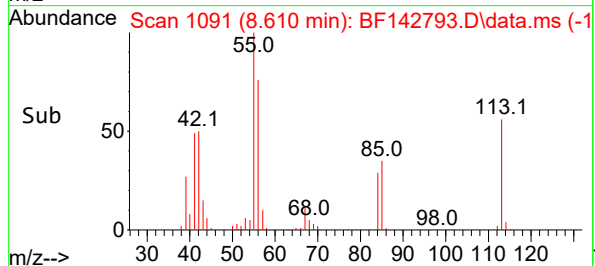
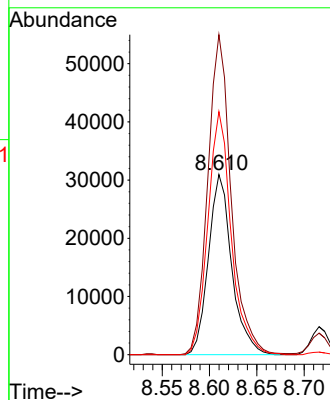
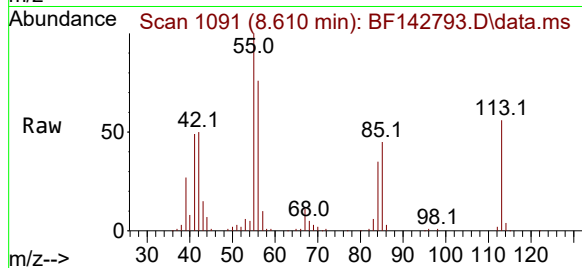




#35
Caprolactam
Concen: 52.873 ng
RT: 8.610 min Scan# 1091
Delta R.T. 0.006 min
Lab File: BF142793.D
Acq: 19 Jun 2025 19:40

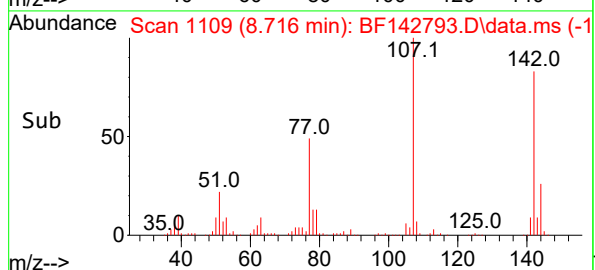
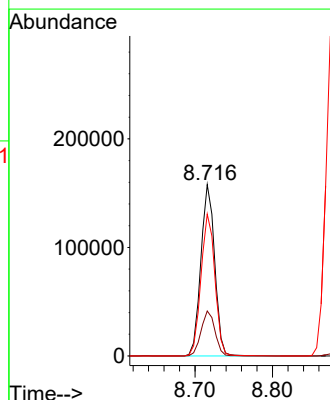
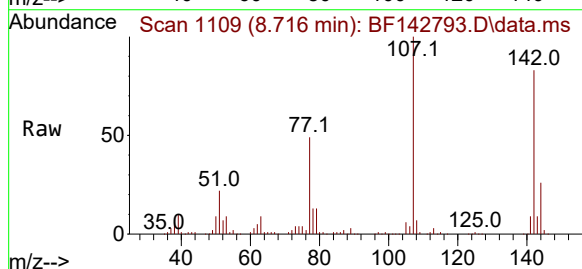
Instrument :
BNA_F
ClientSampleId :
SSTDICC050

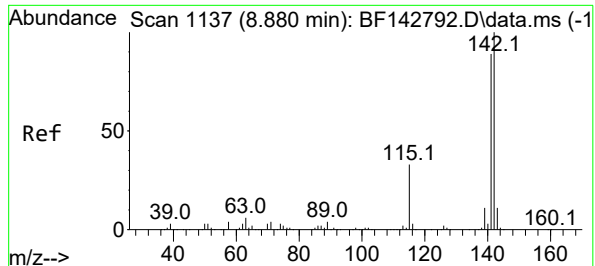
Tgt Ion:113 Resp: 53024
Ion Ratio Lower Upper
113 100
55 177.6 154.4 194.4
56 134.9 112.1 152.1



#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

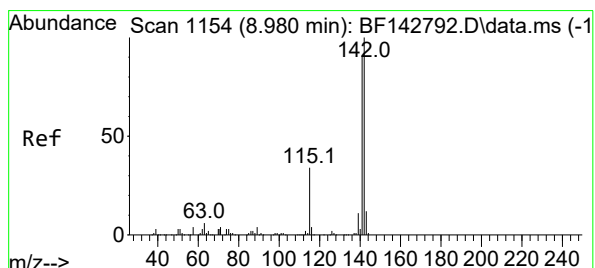
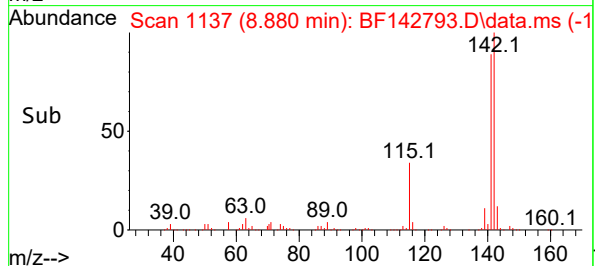
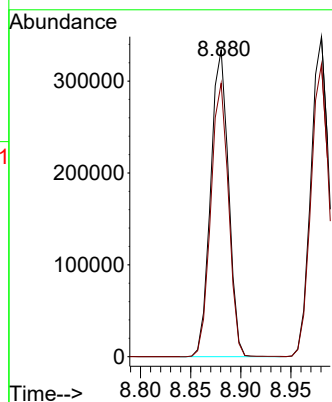
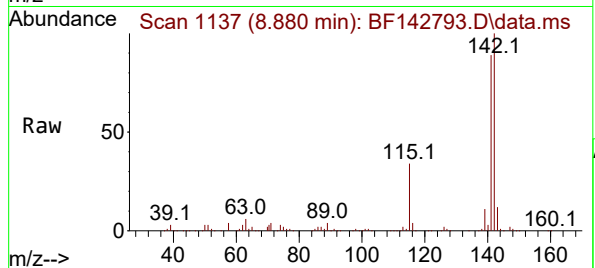




#37
2-Methylnaphthalene
Concen: 50.859 ng
RT: 8.880 min Scan# 1137
Delta R.T. -0.000 min
Lab File: BF142793.D
Acq: 19 Jun 2025 19:40

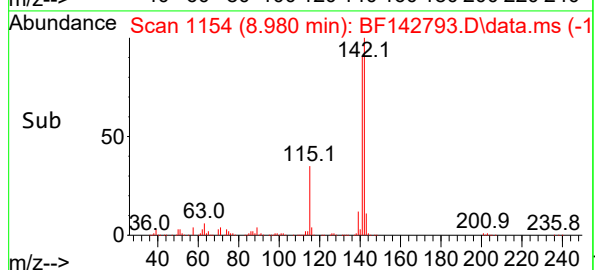
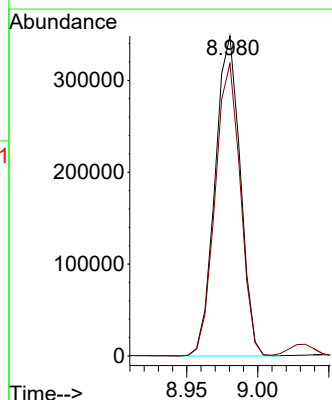
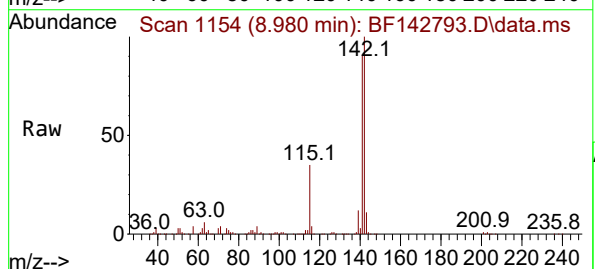
Instrument :
BNA_F
ClientSampleId :
SSTDICC050

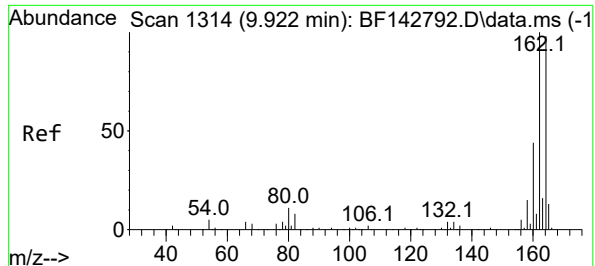
Tgt Ion:142 Resp: 414854
Ion Ratio Lower Upper
142 100
141 89.1 70.9 106.3



#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

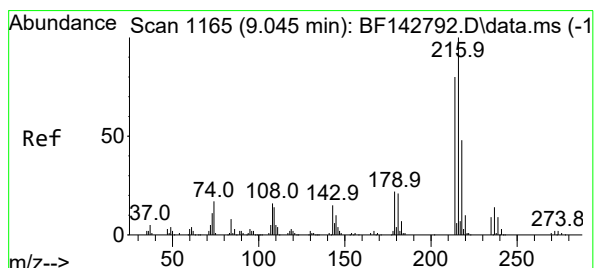
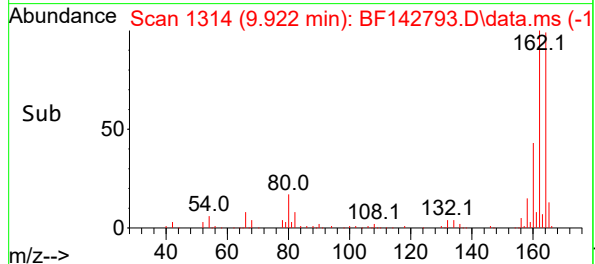
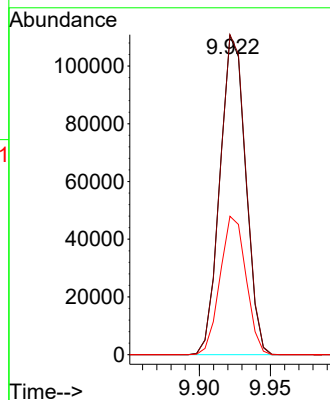
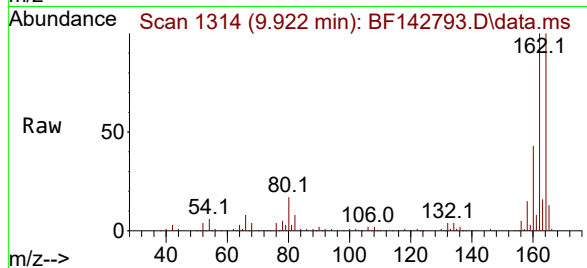
Tgt Ion:164 Resp: 139156

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

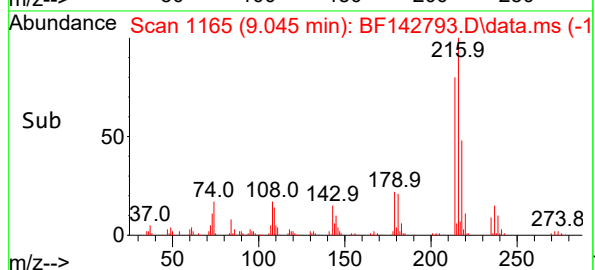
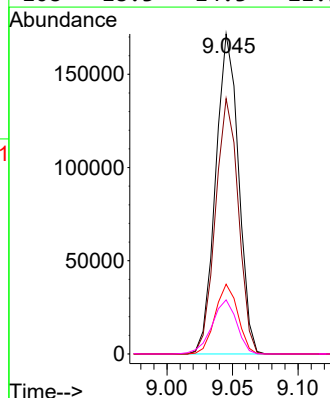
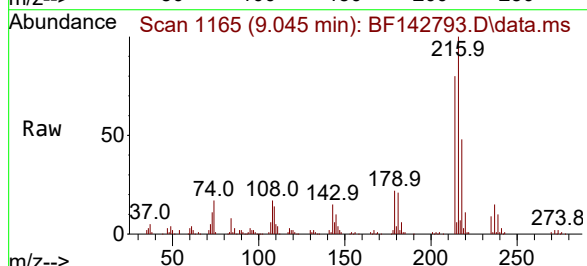
Ion Ratio Lower Upper

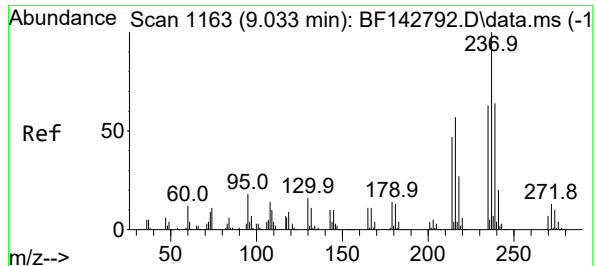
216 100

214 79.7 63.7 95.5

179 21.6 17.6 26.4

108 18.3 14.3 21.5

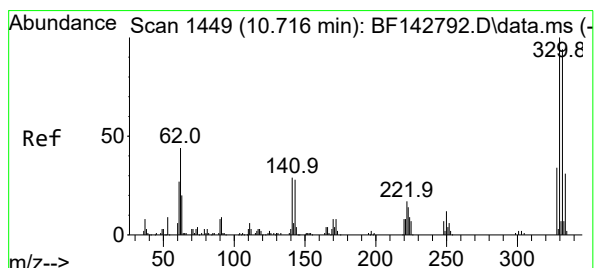
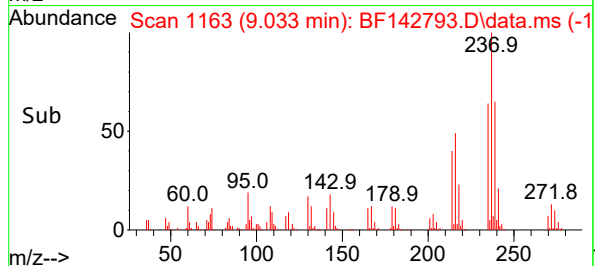
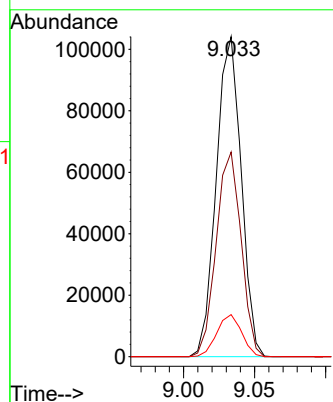
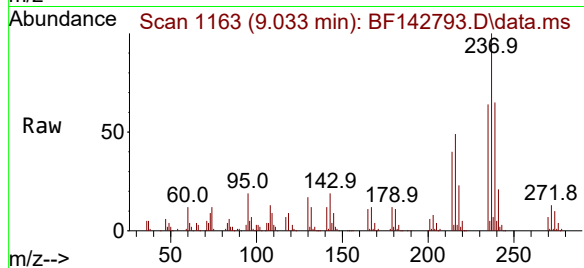




#41
Hexachlorocyclopentadiene
Concen: 50.012 ng
RT: 9.033 min Scan# 1163
Delta R.T. -0.000 min
Lab File: BF142793.D
Acq: 19 Jun 2025 19:40

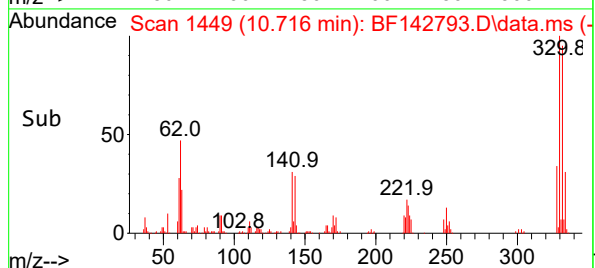
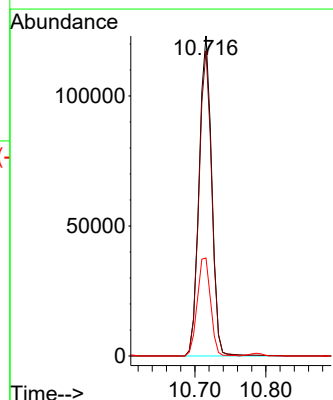
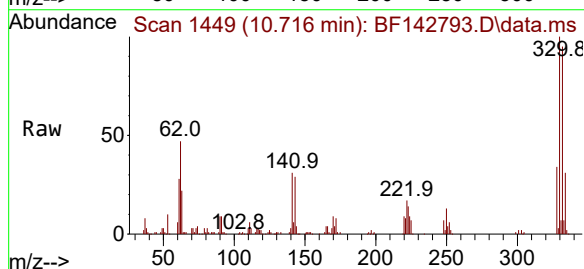
Instrument :
BNA_F
ClientSampleId :
SSTDICC050

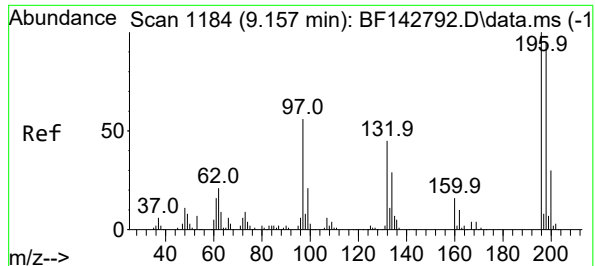
Tgt Ion:237 Resp: 127033
Ion Ratio Lower Upper
237 100
235 64.0 43.4 83.4
272 13.2 0.0 32.7



#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

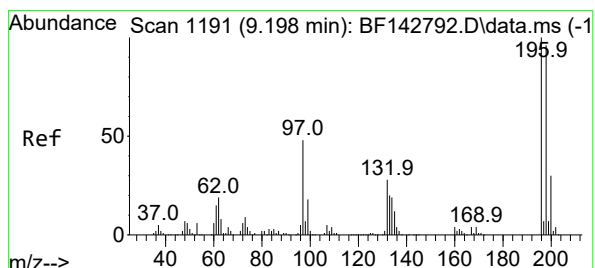
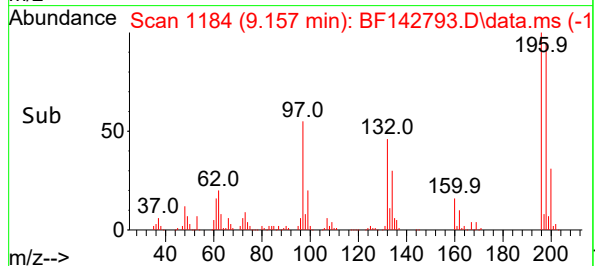
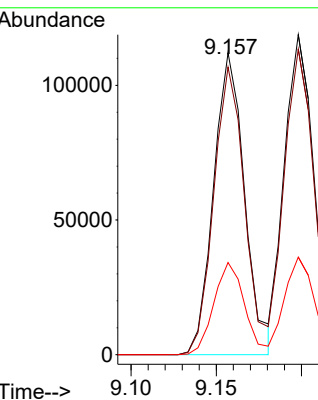
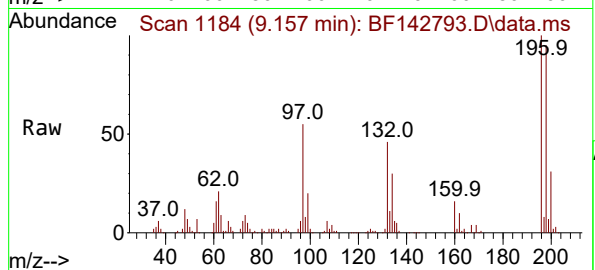
Tgt Ion:196 Resp: 141932

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

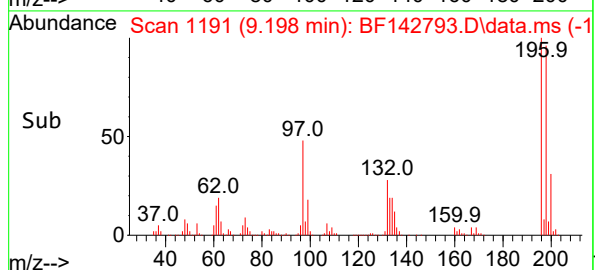
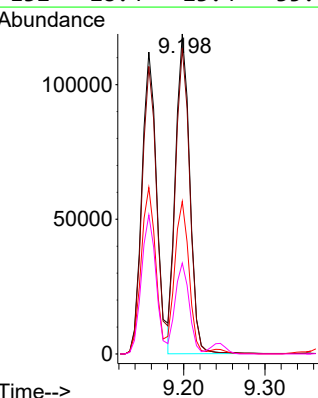
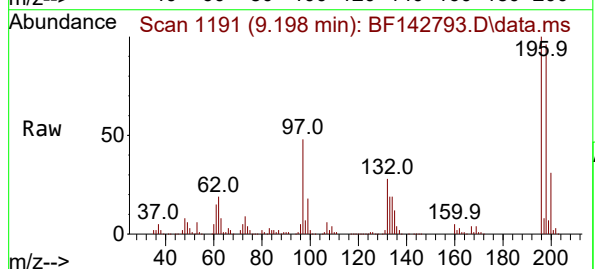
Ion Ratio Lower Upper

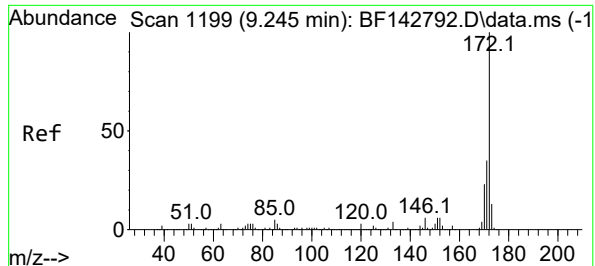
196 100

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

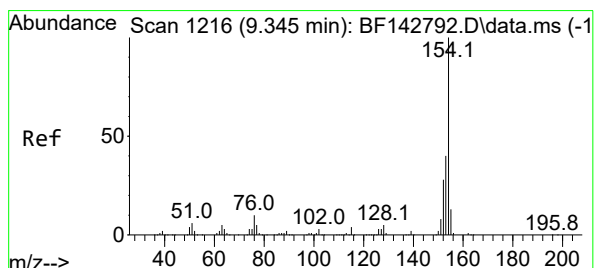
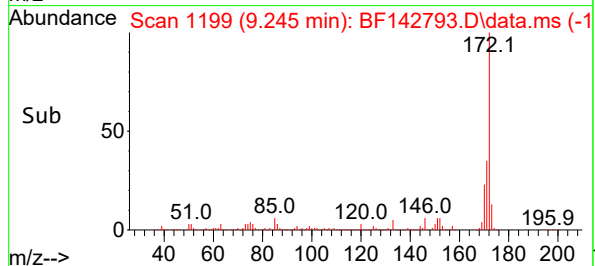
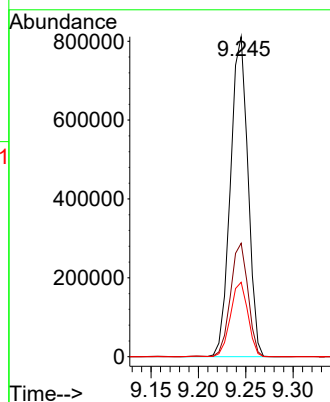
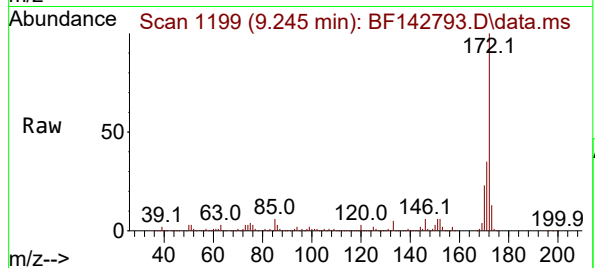
Tgt Ion:172 Resp: 1043477

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

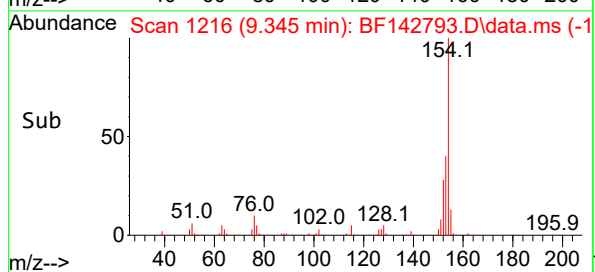
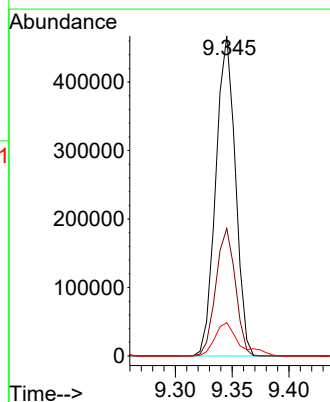
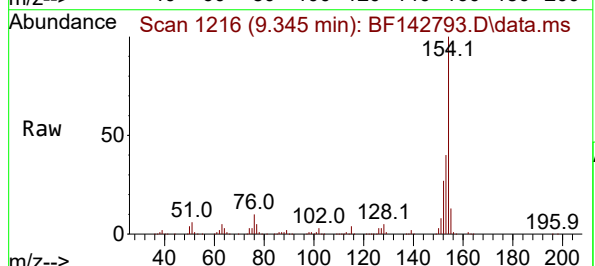
Tgt Ion:154 Resp: 559765

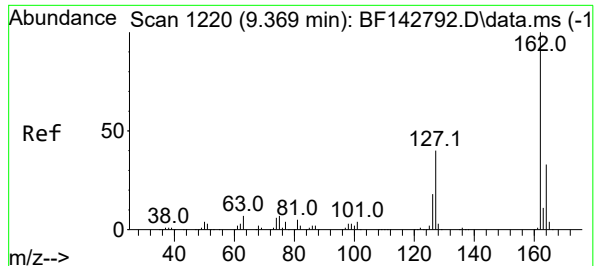
Ion Ratio Lower Upper

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# 11

Delta R.T. -0.000 min

Lab File: BF142793.D

Acq: 19 Jun 2025 19:40

Instrument :

BNA_F

ClientSampleId :

SSTDICC050

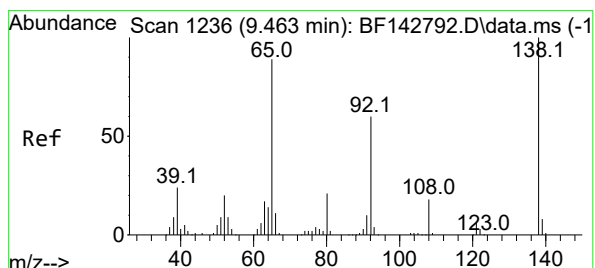
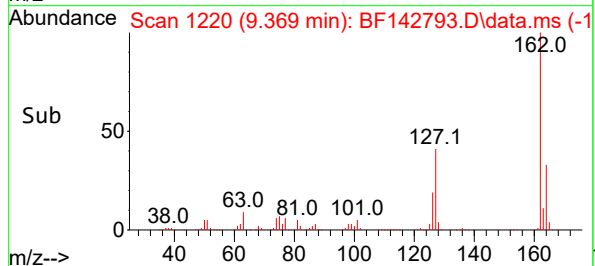
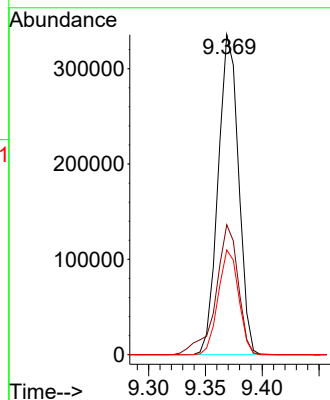
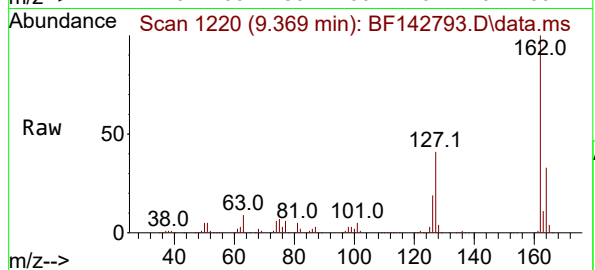
Tgt Ion:162 Resp: 420603

Ion Ratio Lower Upper

162 100

127 40.6 32.2 48.2

164 32.7 26.1 39.1



#48

2-Nitroaniline

Concen: 54.955 ng

RT: 9.463 min Scan# 1236

Delta R.T. -0.000 min

Lab File: BF142793.D

Acq: 19 Jun 2025 19:40

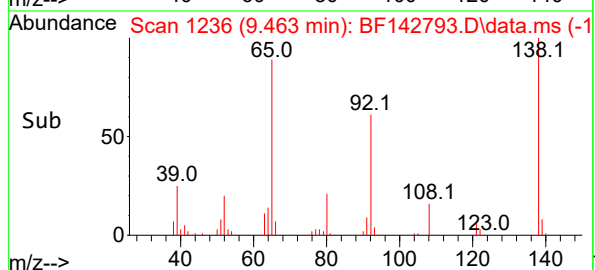
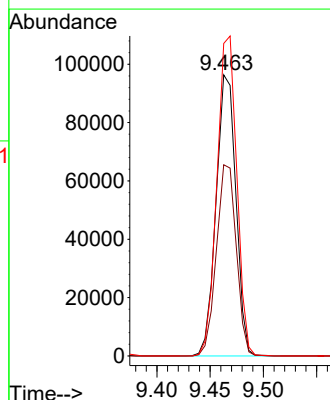
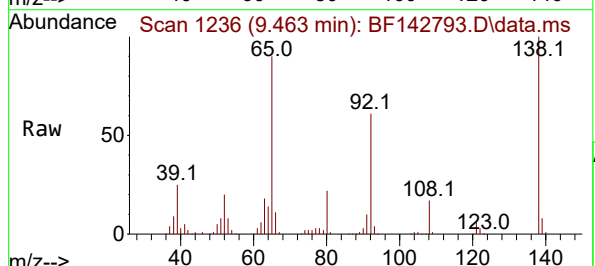
Tgt Ion: 65 Resp: 124478

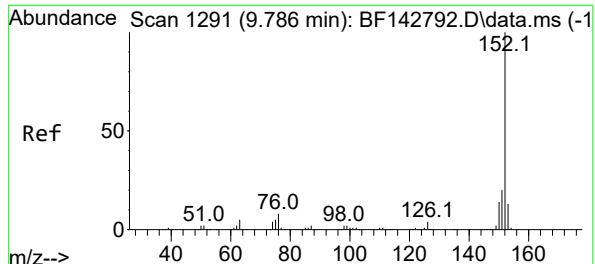
Ion Ratio Lower Upper

65 100

92 68.0 53.8 80.6

138 111.1 89.6 134.4





#49

Acenaphthylene

Concen: 51.783 ng

RT: 9.786 min Scan# 1291

Delta R.T. -0.000 min

Lab File: BF142793.D

Acq: 19 Jun 2025 19:40

Instrument :

BNA_F

ClientSampleId :

SSTDICC050

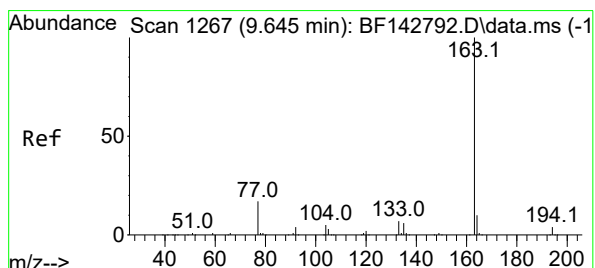
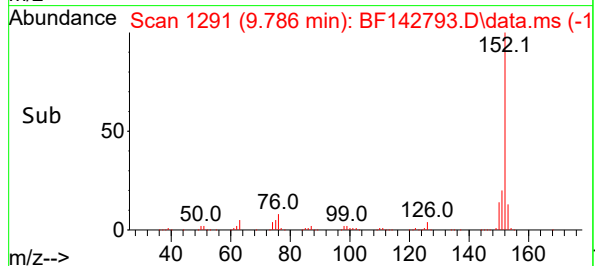
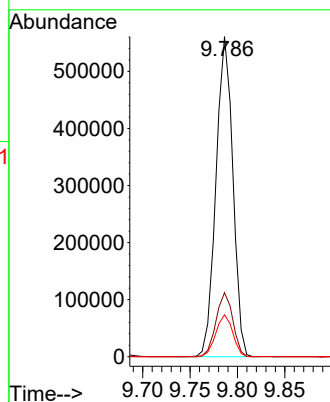
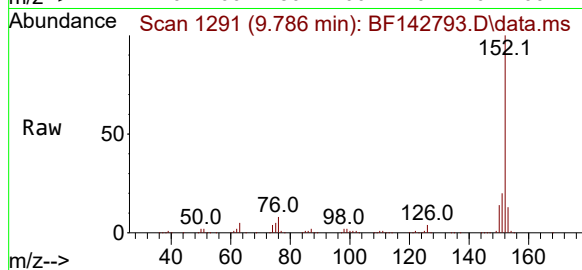
Tgt Ion:152 Resp: 694098

Ion Ratio Lower Upper

152 100

151 20.0 16.1 24.1

153 13.1 10.4 15.6



#50

Dimethylphthalate

Concen: 50.308 ng

RT: 9.645 min Scan# 1267

Delta R.T. -0.000 min

Lab File: BF142793.D

Acq: 19 Jun 2025 19:40

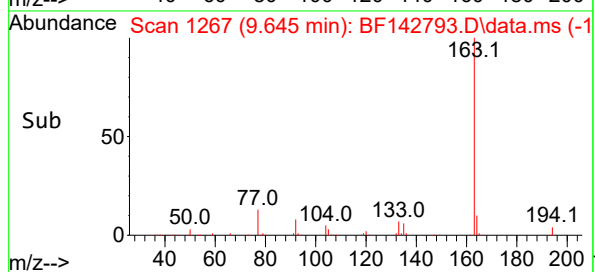
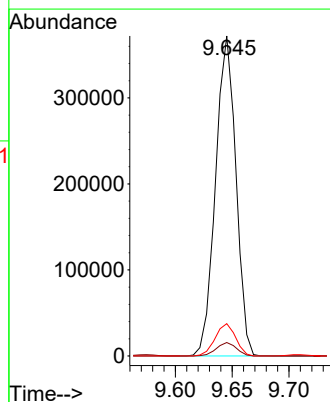
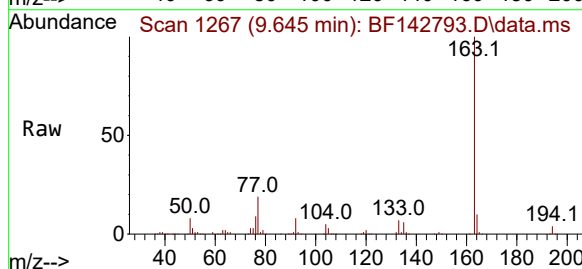
Tgt Ion:163 Resp: 464372

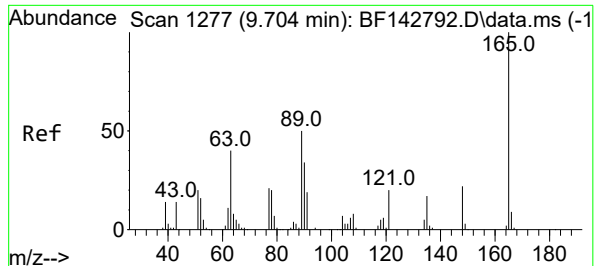
Ion Ratio Lower Upper

163 100

194 4.2 3.3 4.9

164 10.1 8.0 12.0

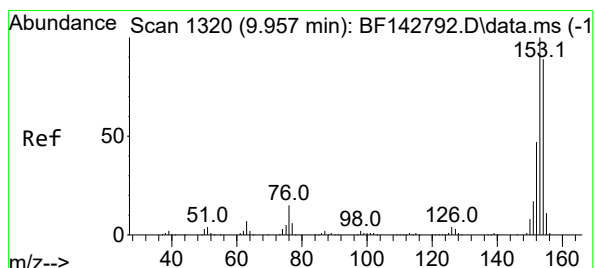
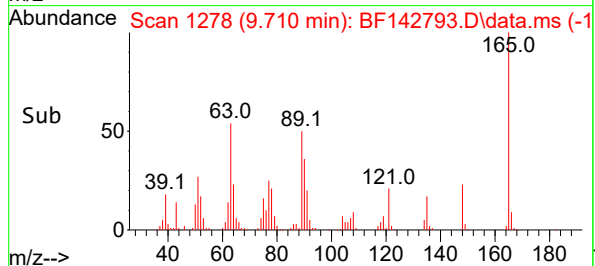
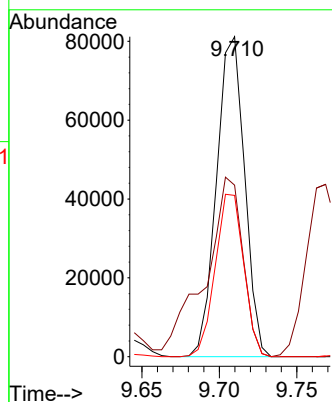
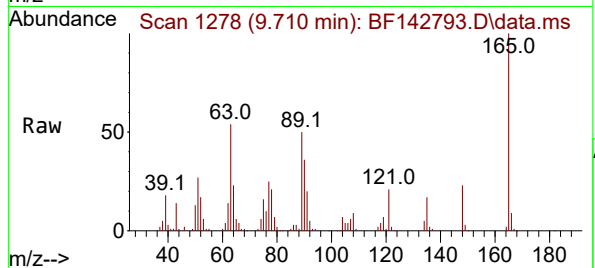




#51
2,6-Dinitrotoluene
Concen: 51.156 ng
RT: 9.710 min Scan# 1277
Delta R.T. 0.006 min
Lab File: BF142793.D
Acq: 19 Jun 2025 19:40

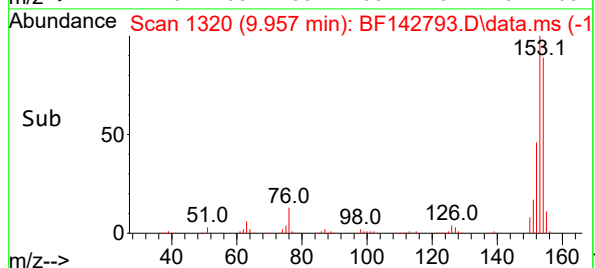
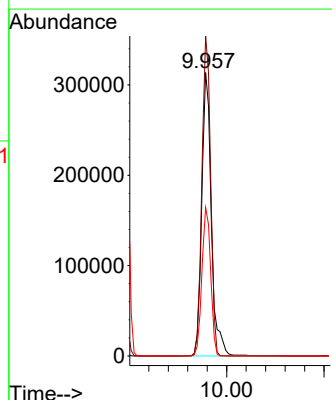
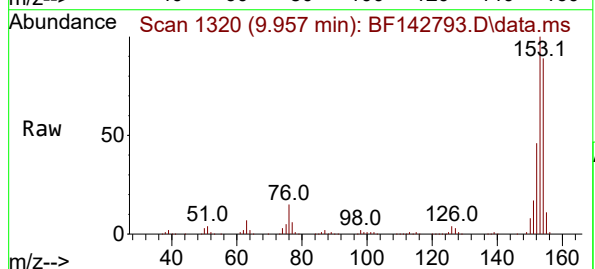
Instrument :
BNA_F
ClientSampleId :
SSTDICC050

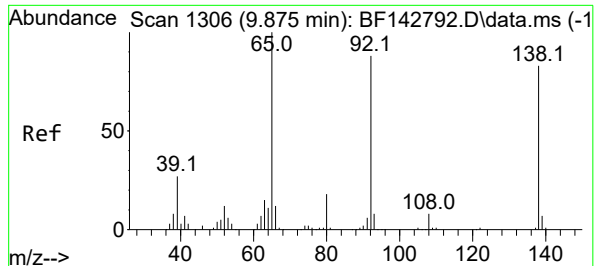
Tgt Ion:165 Resp: 102361
Ion Ratio Lower Upper
165 100
63 53.6 44.2 66.4
89 50.4 39.8 59.8



#52
Acenaphthene
Concen: 51.498 ng
RT: 9.957 min Scan# 1320
Delta R.T. -0.000 min
Lab File: BF142793.D
Acq: 19 Jun 2025 19:40

Tgt Ion:154 Resp: 427135
Ion Ratio Lower Upper
154 100
153 112.9 90.0 135.0
152 52.4 41.9 62.9





#53

3-Nitroaniline

Concen: 54.038 ng

RT: 9.874 min Scan# 11

Delta R.T. -0.000 min

Lab File: BF142793.D

Acq: 19 Jun 2025 19:40

Instrument :

BNA_F

ClientSampleId :

SSTDICC050

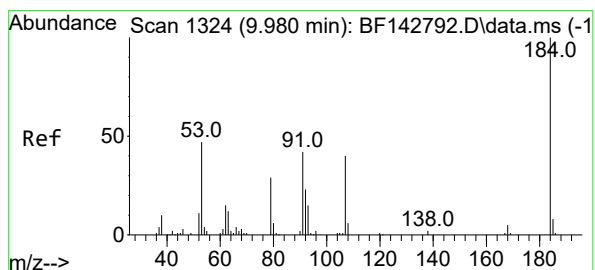
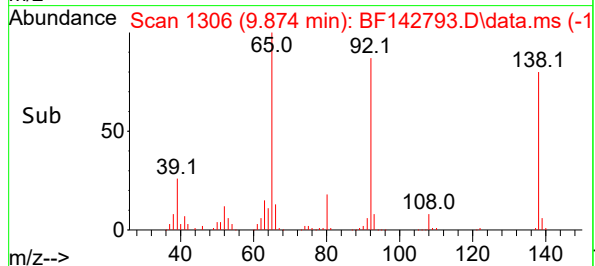
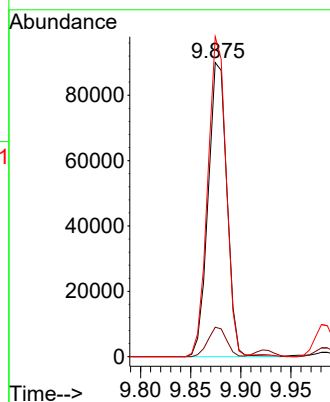
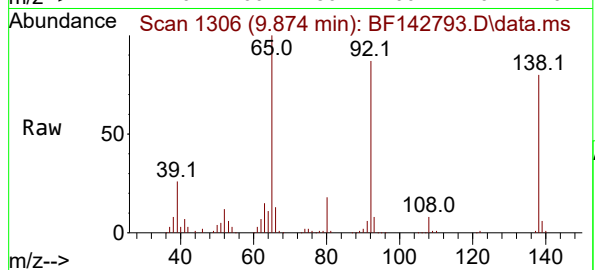
Tgt Ion:138 Resp: 117448

Ion Ratio Lower Upper

138 100

108 10.0 8.1 12.1

92 108.8 85.1 127.7



#54

2,4-Dinitrophenol

Concen: 55.696 ng

RT: 9.986 min Scan# 1325

Delta R.T. 0.006 min

Lab File: BF142793.D

Acq: 19 Jun 2025 19:40

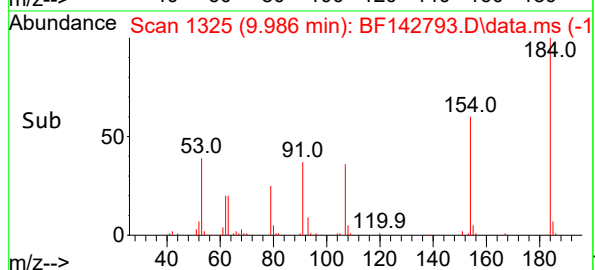
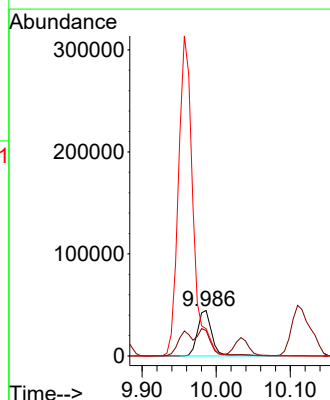
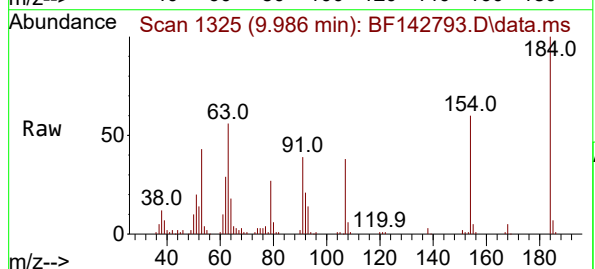
Tgt Ion:184 Resp: 60308

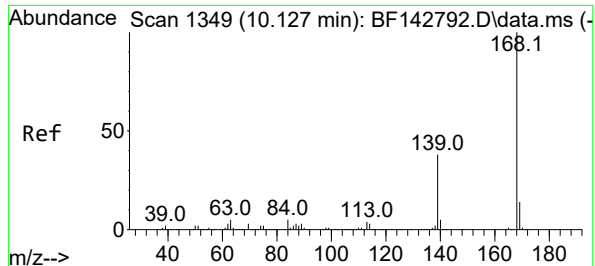
Ion Ratio Lower Upper

184 100

63 56.0 50.6 75.8

154 59.9 51.8 77.8

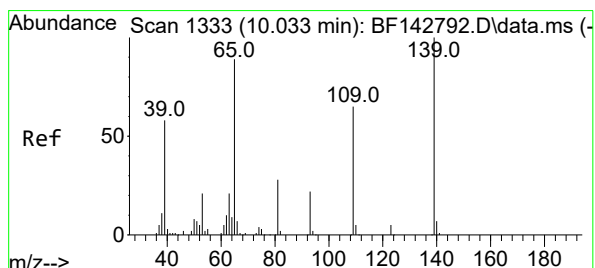
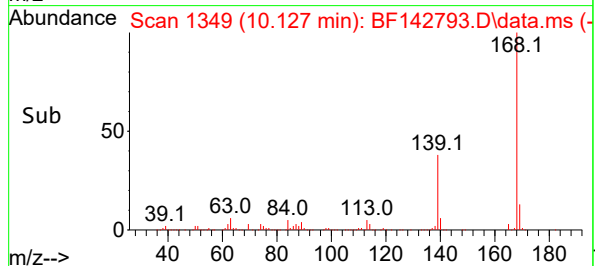
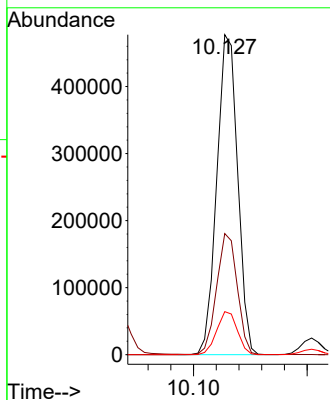
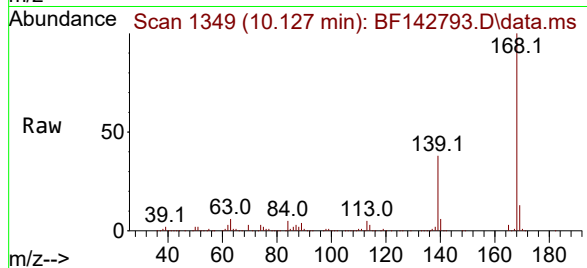




#55
Dibenzofuran
Concen: 51.506 ng
RT: 10.127 min Scan# 1349
Delta R.T. -0.000 min
Lab File: BF142793.D
Acq: 19 Jun 2025 19:40

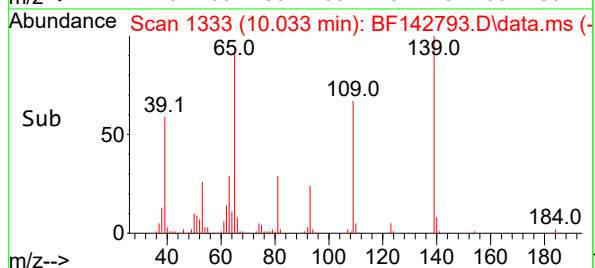
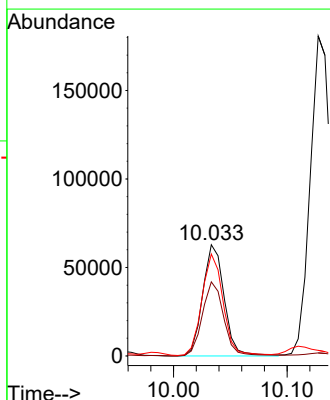
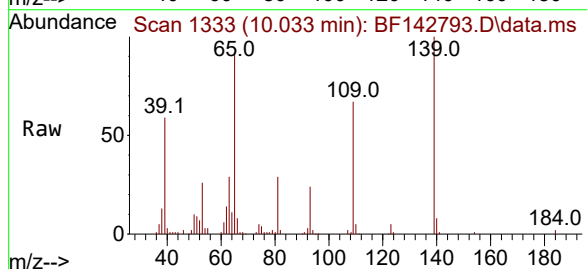
Instrument :
BNA_F
ClientSampleId :
SSTDICC050

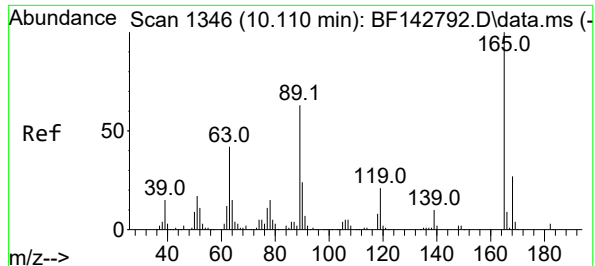
Tgt Ion:168 Resp: 609507
Ion Ratio Lower Upper
168 100
139 37.9 30.2 45.4
169 13.4 10.8 16.2



#56
4-Nitrophenol
Concen: 56.047 ng
RT: 10.033 min Scan# 1333
Delta R.T. -0.000 min
Lab File: BF142793.D
Acq: 19 Jun 2025 19:40

Tgt Ion:139 Resp: 82688
Ion Ratio Lower Upper
139 100
109 66.5 44.7 84.7
65 91.6 69.8 109.8

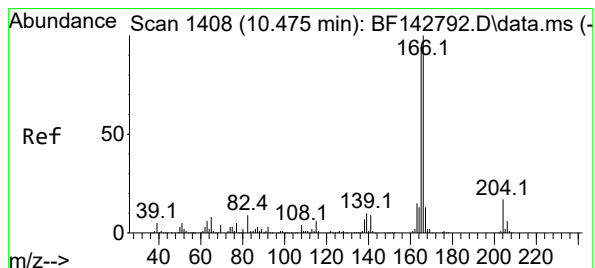
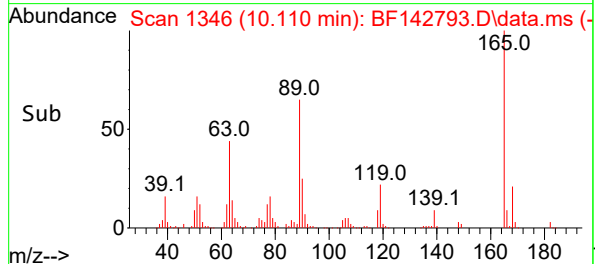
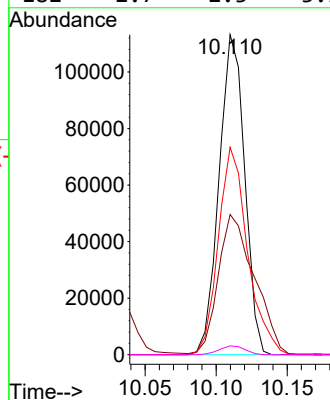
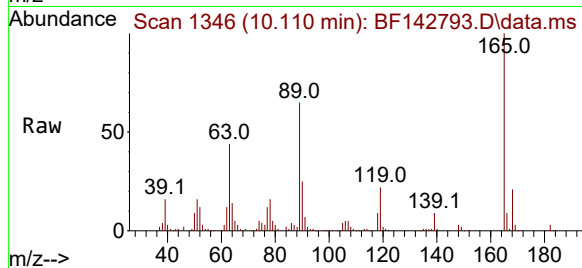




#57
2,4-Dinitrotoluene
Concen: 53.554 ng
RT: 10.110 min Scan# 11
Delta R.T. -0.000 min
Lab File: BF142793.D
Acq: 19 Jun 2025 19:40

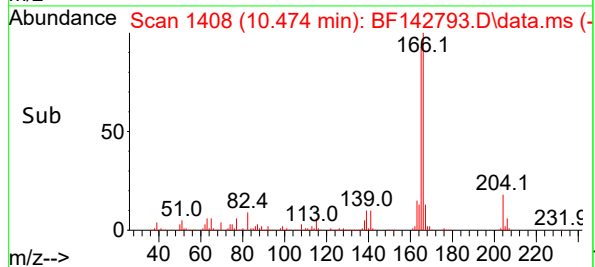
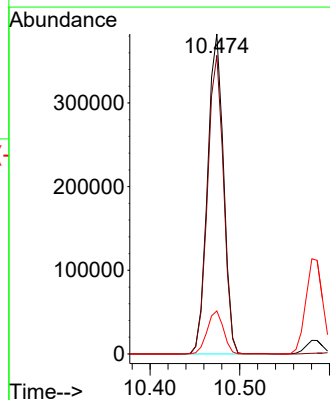
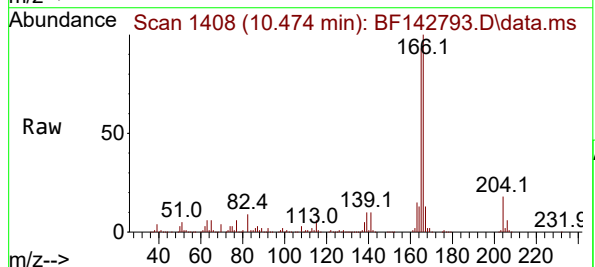
Instrument :
BNA_F
ClientSampleId :
SSTDICC050

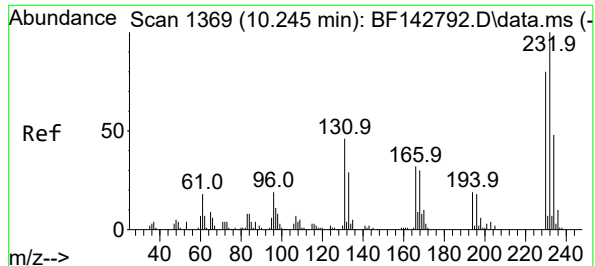
Tgt Ion:165 Resp: 141691
Ion Ratio Lower Upper
165 100
63 43.8 33.9 50.9
89 64.8 50.6 75.8
182 2.7 2.3 3.5



#58
Fluorene
Concen: 50.747 ng
RT: 10.474 min Scan# 1408
Delta R.T. -0.000 min
Lab File: BF142793.D
Acq: 19 Jun 2025 19:40

Tgt Ion:166 Resp: 473968
Ion Ratio Lower Upper
166 100
165 93.3 75.2 112.8
167 13.5 10.6 15.8

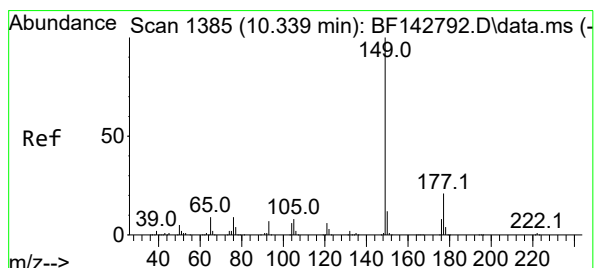
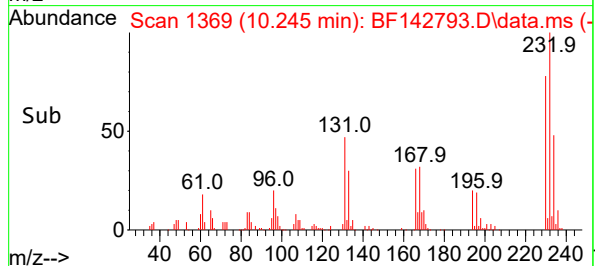
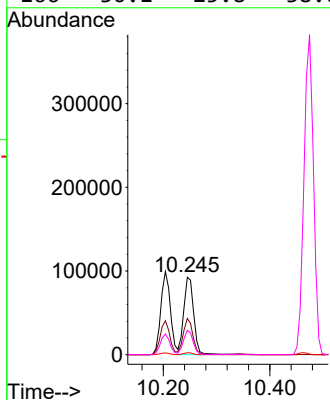
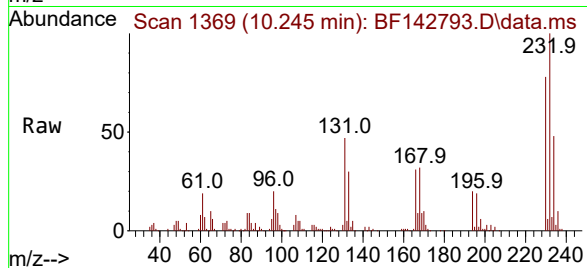




#59
2,3,4,6-Tetrachlorophenol
Concen: 50.988 ng
RT: 10.245 min Scan# 1369
Delta R.T. -0.000 min
Lab File: BF142793.D
Acq: 19 Jun 2025 19:40

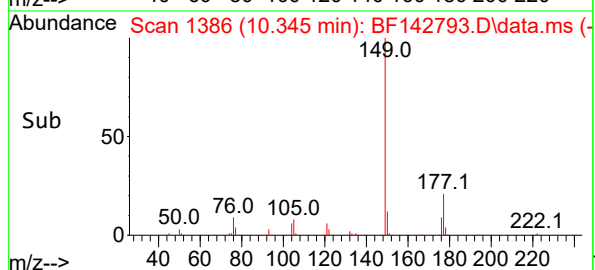
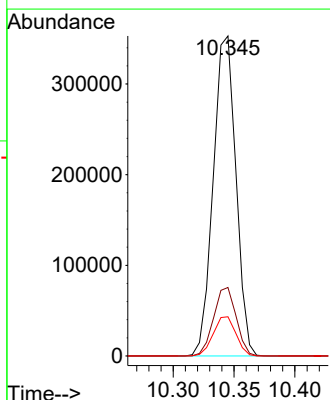
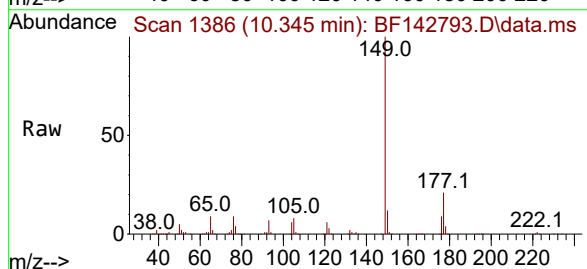
Instrument :
BNA_F
ClientSampleId :
SSTDICC050

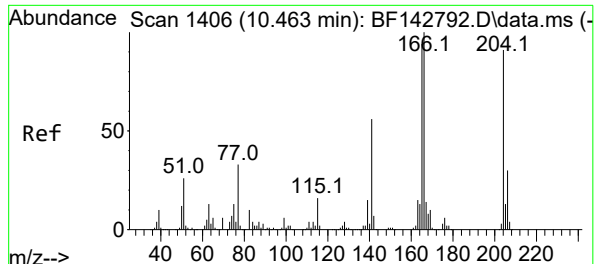
Tgt Ion:232 Resp: 120008
Ion Ratio Lower Upper
232 100
131 44.8 37.6 56.4
130 2.3 1.7 2.5
166 30.1 25.8 38.6



#60
Diethylphthalate
Concen: 50.010 ng
RT: 10.345 min Scan# 1386
Delta R.T. 0.006 min
Lab File: BF142793.D
Acq: 19 Jun 2025 19:40

Tgt Ion:149 Resp: 458546
Ion Ratio Lower Upper
149 100
177 21.4 17.0 25.6
150 12.3 9.8 14.6

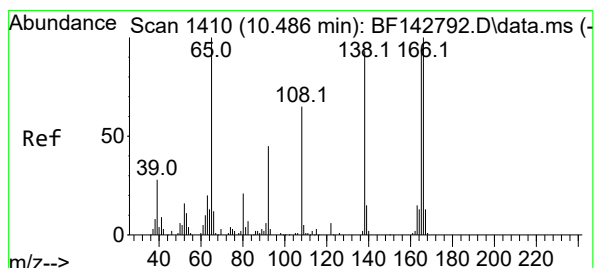
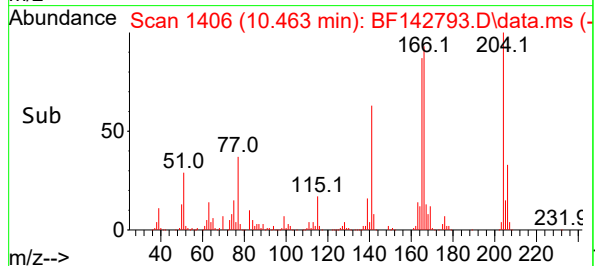
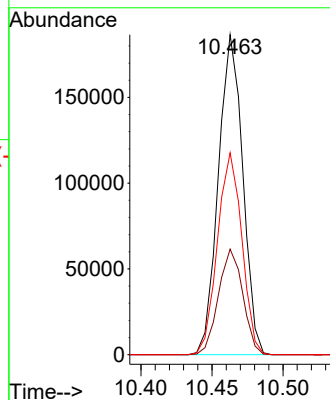
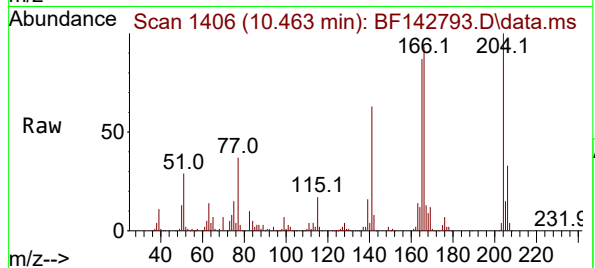




#61
4-Chlorophenyl-phenylether
Concen: 49.076 ng
RT: 10.463 min Scan# 1406
Delta R.T. -0.000 min
Lab File: BF142793.D
Acq: 19 Jun 2025 19:40

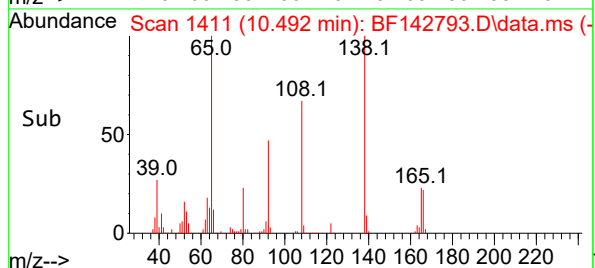
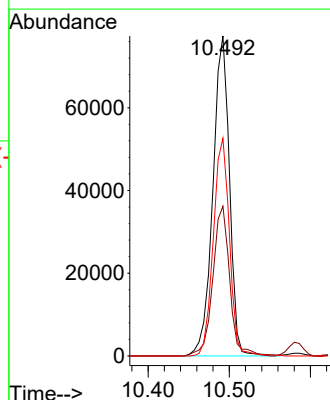
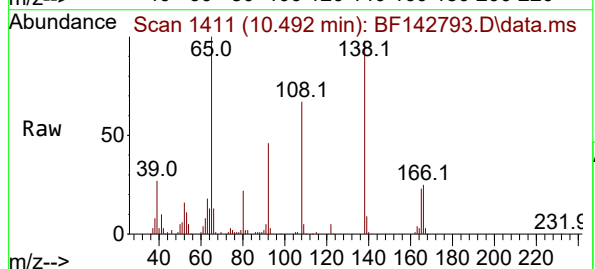
Instrument :
BNA_F
ClientSampleId :
SSTDICC050

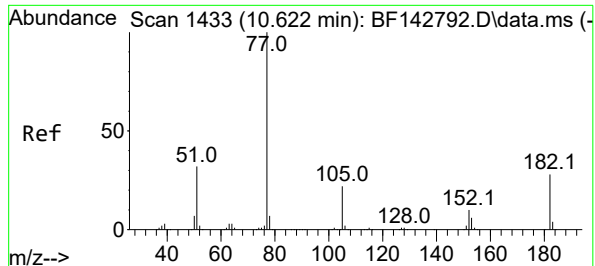
Tgt Ion:204 Resp: 222613
Ion Ratio Lower Upper
204 100
206 33.0 26.3 39.5
141 63.1 49.1 73.7



#62
4-Nitroaniline
Concen: 56.363 ng
RT: 10.492 min Scan# 1411
Delta R.T. 0.006 min
Lab File: BF142793.D
Acq: 19 Jun 2025 19:40

Tgt Ion:138 Resp: 109973
Ion Ratio Lower Upper
138 100
92 46.8 28.4 68.4
108 68.1 50.2 90.2

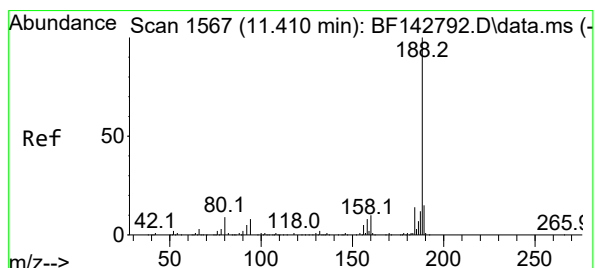
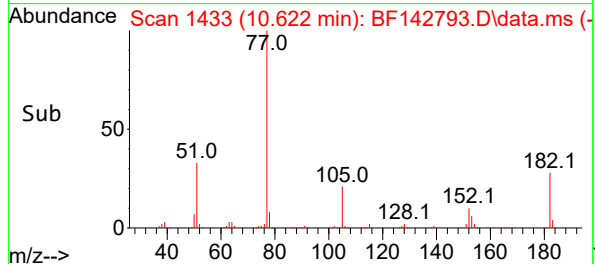
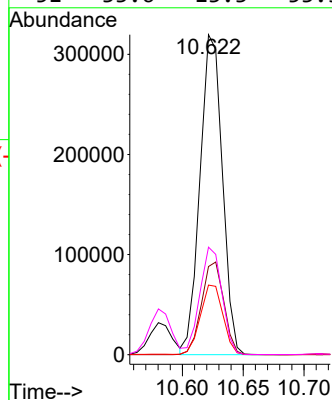
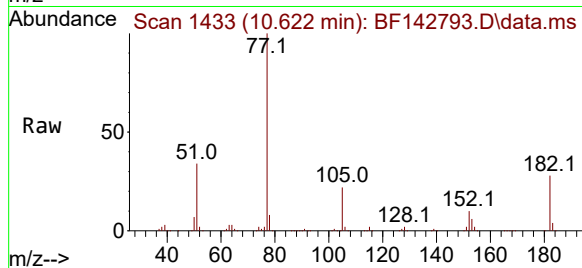




#63
Azobenzene
Concen: 51.063 ng
RT: 10.622 min Scan# 1433
Delta R.T. -0.000 min
Lab File: BF142793.D
Acq: 19 Jun 2025 19:40

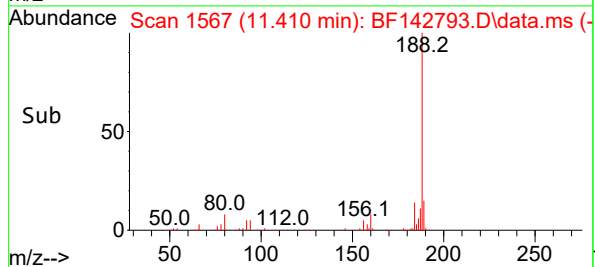
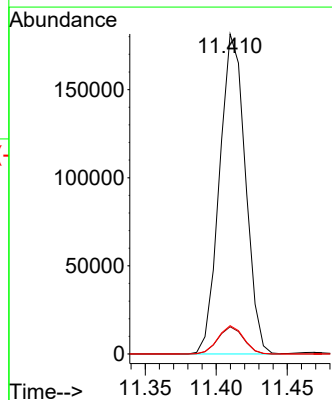
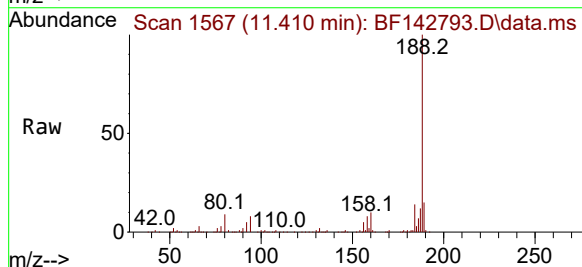
Instrument :
BNA_F
ClientSampleId :
SSTDICC050

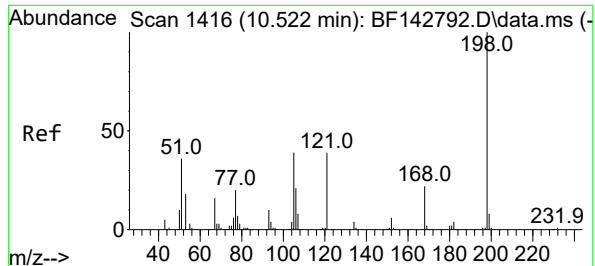
Tgt Ion	Ratio	Lower	Upper
77	100		
182	27.5	7.7	47.7
105	21.8	1.9	41.9
51	33.6	13.3	53.3



#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.410 min Scan# 1567
Delta R.T. -0.000 min
Lab File: BF142793.D
Acq: 19 Jun 2025 19:40

Tgt Ion	Ratio	Lower	Upper
188	100		
94	8.5	6.7	10.1
80	8.9	6.9	10.3

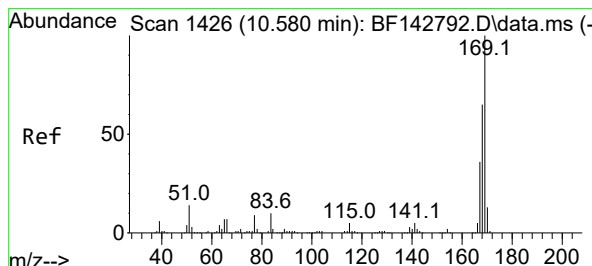
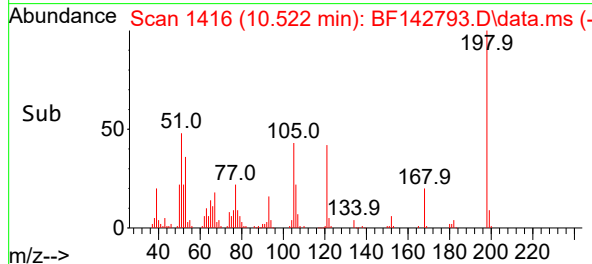
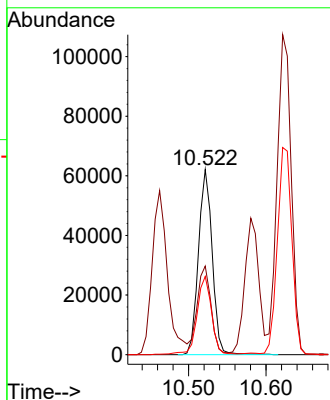
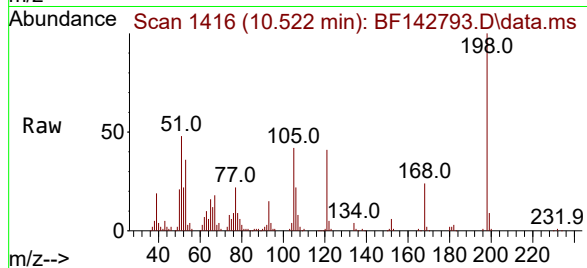




#65
4,6-Dinitro-2-methylphenol
Concen: 53.713 ng
RT: 10.522 min Scan# 1416
Delta R.T. -0.000 min
Lab File: BF142793.D
Acq: 19 Jun 2025 19:40

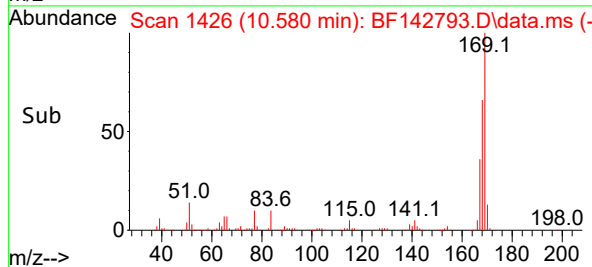
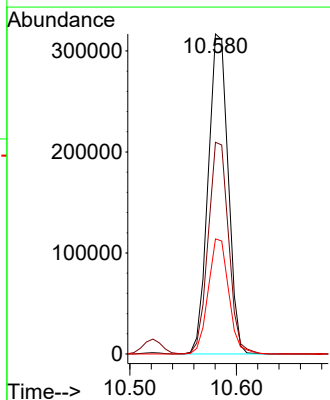
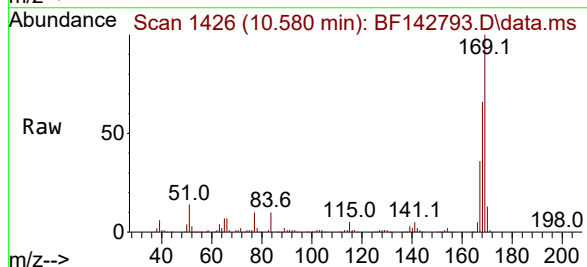
Instrument :
BNA_F
ClientSampleId :
SSTDICC050

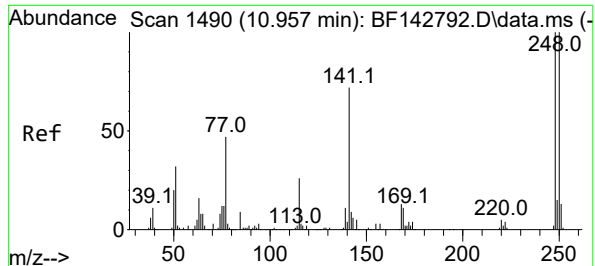
Tgt Ion:198 Resp: 76696
Ion Ratio Lower Upper
198 100
51 47.9 25.4 65.4
105 42.3 20.4 60.4



#66
n-Nitrosodiphenylamine
Concen: 52.171 ng
RT: 10.580 min Scan# 1426
Delta R.T. -0.000 min
Lab File: BF142793.D
Acq: 19 Jun 2025 19:40

Tgt Ion:169 Resp: 411917
Ion Ratio Lower Upper
169 100
168 66.1 51.9 77.9
167 35.9 28.5 42.7





#67

4-Bromophenyl-phenylether

Concen: 50.425 ng

RT: 10.957 min Scan# 1490

Delta R.T. -0.000 min

Lab File: BF142793.D

Acq: 19 Jun 2025 19:40

Instrument :

BNA_F

ClientSampleId :

SSTDICC050

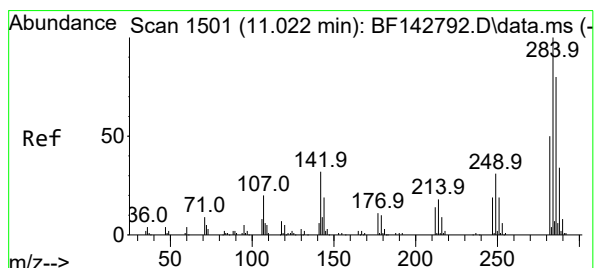
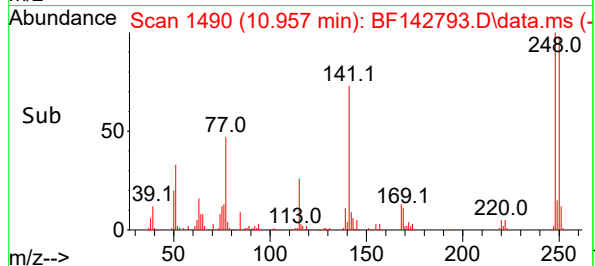
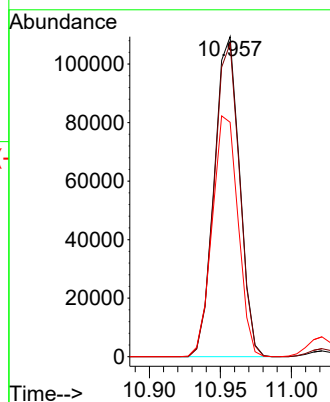
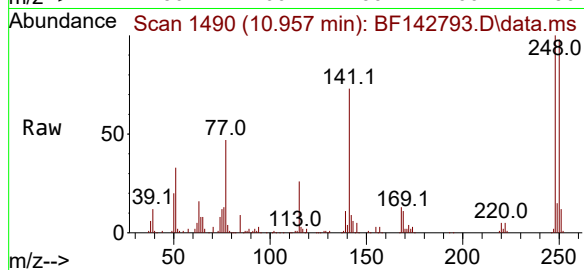
Tgt Ion:248 Resp: 135699

Ion Ratio Lower Upper

248 100

250 97.8 79.8 119.8

141 73.3 57.8 86.6



#68

Hexachlorobenzene

Concen: 50.432 ng

RT: 11.021 min Scan# 1501

Delta R.T. -0.000 min

Lab File: BF142793.D

Acq: 19 Jun 2025 19:40

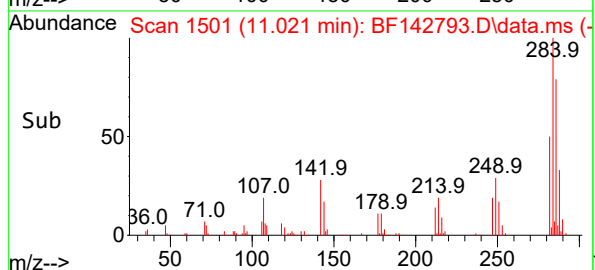
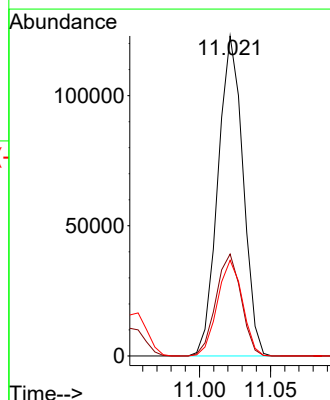
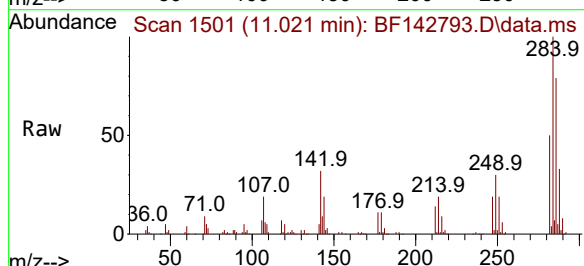
Tgt Ion:284 Resp: 150669

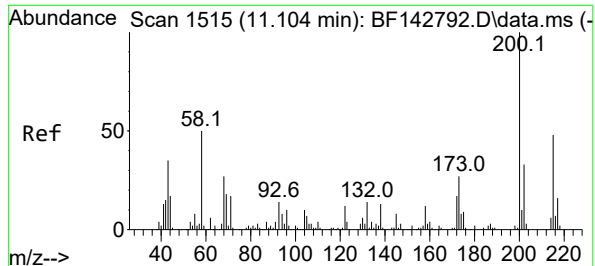
Ion Ratio Lower Upper

284 100

142 31.9 25.5 38.3

249 29.9 24.9 37.3

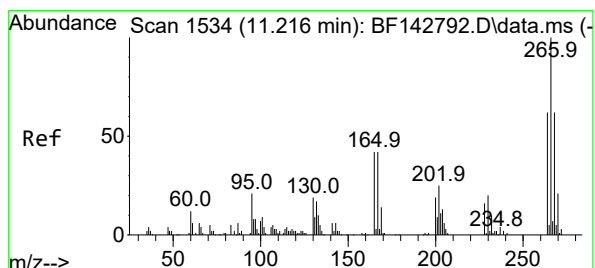
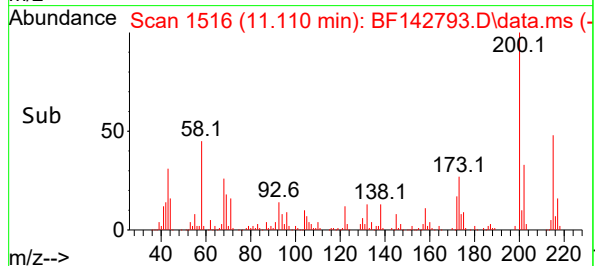
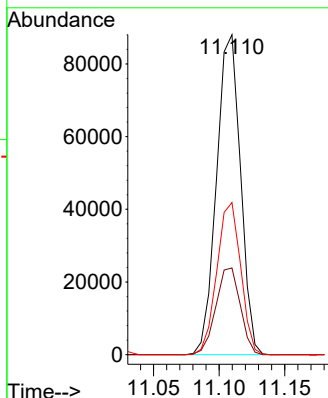
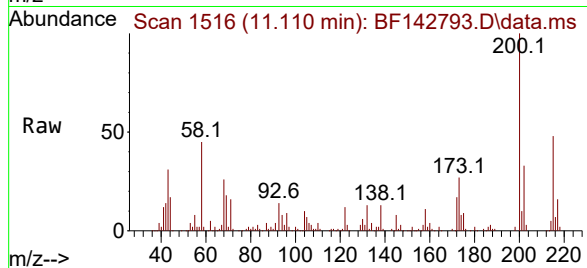




#69
Atrazine
Concen: 53.385 ng
RT: 11.110 min Scan# 1516
Delta R.T. 0.006 min
Lab File: BF142793.D
Acq: 19 Jun 2025 19:40

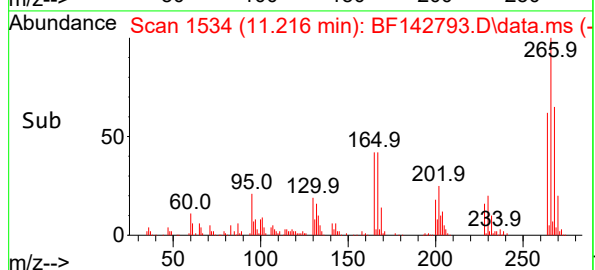
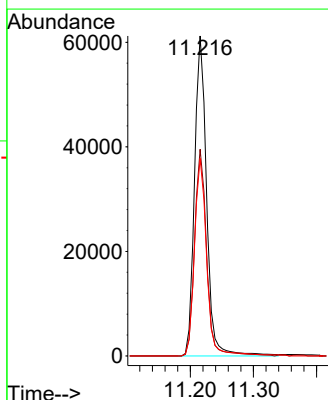
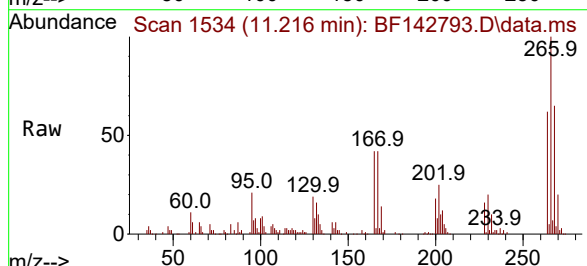
Instrument :
BNA_F
ClientSampleId :
SSTDIC050

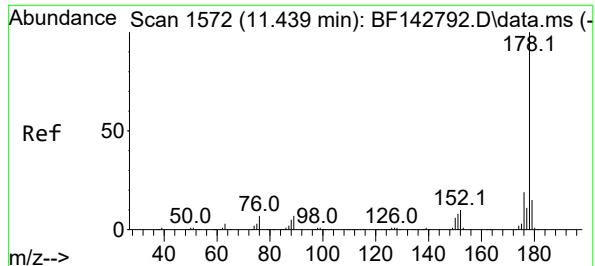
Tgt Ion:200 Resp: 111915
Ion Ratio Lower Upper
200 100
173 27.1 7.4 47.4
215 47.5 28.4 68.4



#70
Pentachlorophenol
Concen: 52.574 ng
RT: 11.216 min Scan# 1534
Delta R.T. -0.000 min
Lab File: BF142793.D
Acq: 19 Jun 2025 19:40

Tgt Ion:266 Resp: 81577
Ion Ratio Lower Upper
266 100
268 64.6 49.8 74.8
264 61.7 49.9 74.9

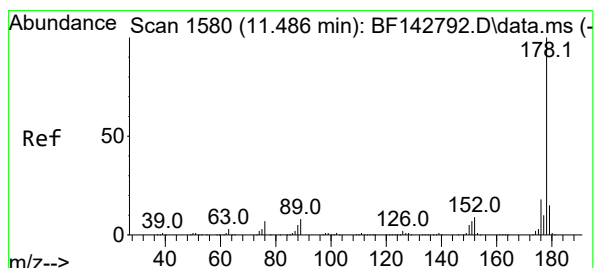
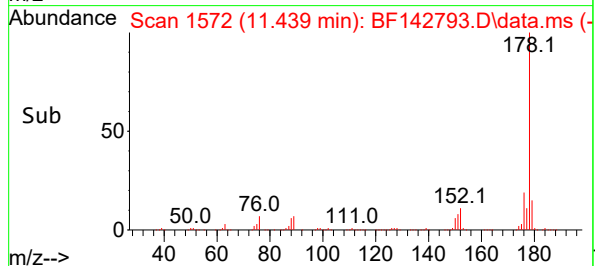
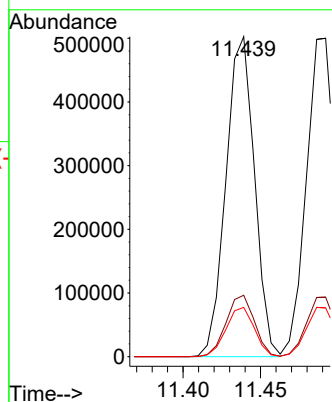
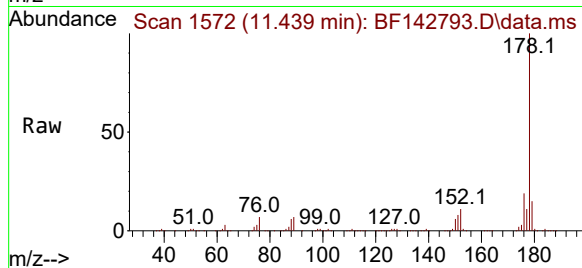




#71
Phenanthrene
Concen: 52.403 ng
RT: 11.439 min Scan# 1572
Delta R.T. -0.000 min
Lab File: BF142793.D
Acq: 19 Jun 2025 19:40

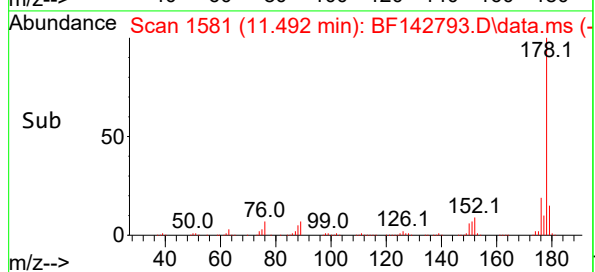
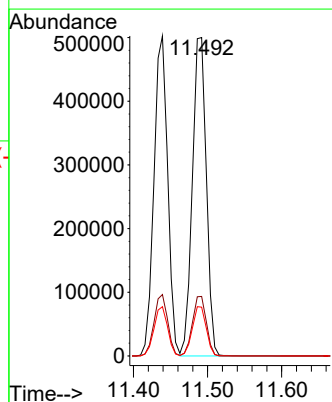
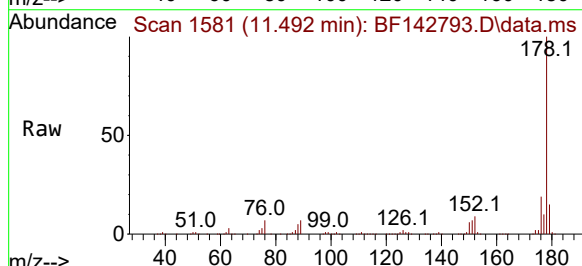
Instrument :
BNA_F
ClientSampleId :
SSTDICC050

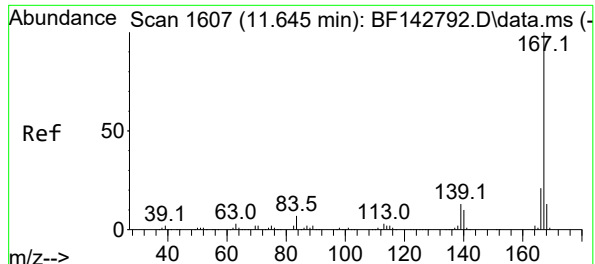
Tgt Ion:178 Resp: 644668
Ion Ratio Lower Upper
178 100
176 19.2 15.1 22.7
179 15.4 12.0 18.0



#72
Anthracene
Concen: 51.433 ng
RT: 11.492 min Scan# 1581
Delta R.T. 0.006 min
Lab File: BF142793.D
Acq: 19 Jun 2025 19:40

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

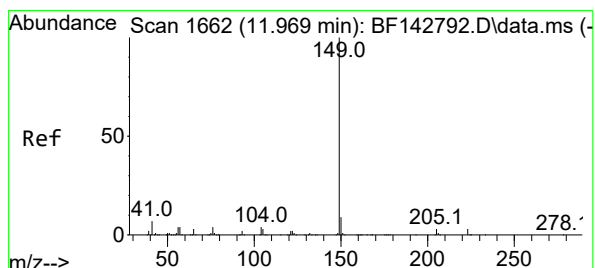
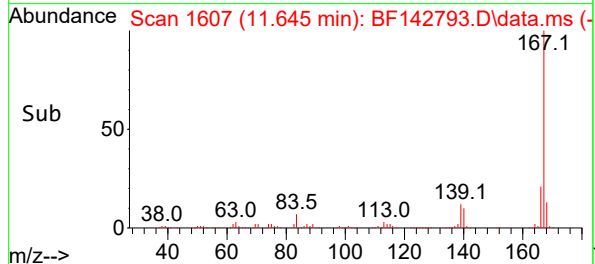
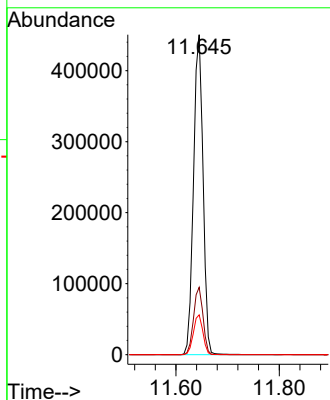
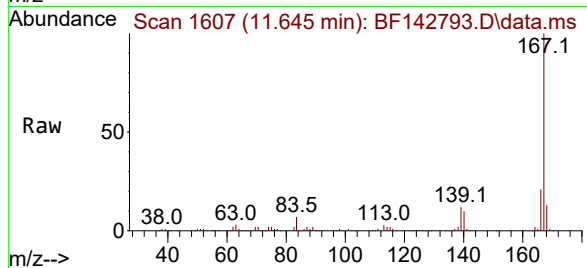




#73
Carbazole
Concen: 53.996 ng
RT: 11.645 min Scan# 1607
Delta R.T. -0.000 min
Lab File: BF142793.D
Acq: 19 Jun 2025 19:40

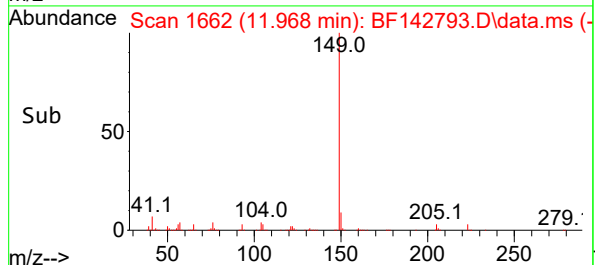
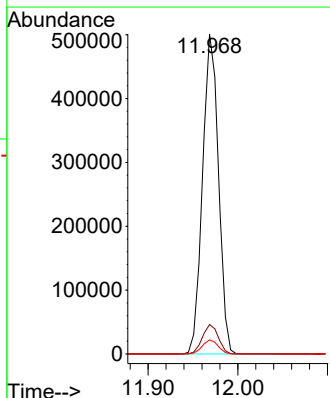
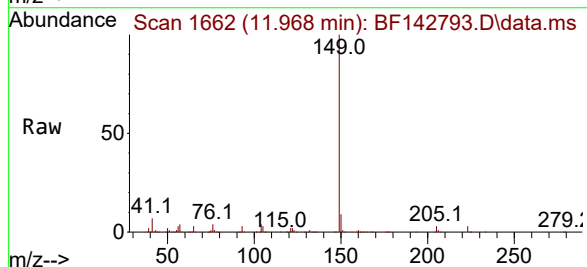
Instrument :
BNA_F
ClientSampleId :
SSTDICC050

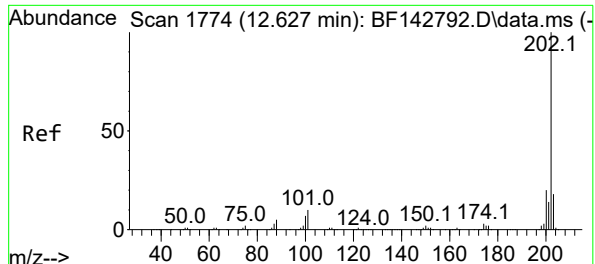
Tgt Ion:167 Resp: 575784
Ion Ratio Lower Upper
167 100
166 21.0 17.0 25.4
139 12.5 10.2 15.2



#74
Di-n-butylphthalate
Concen: 52.211 ng
RT: 11.968 min Scan# 1662
Delta R.T. -0.000 min
Lab File: BF142793.D
Acq: 19 Jun 2025 19:40

Tgt Ion:149 Resp: 616452
Ion Ratio Lower Upper
149 100
150 9.2 7.4 11.0
104 4.4 3.5 5.3

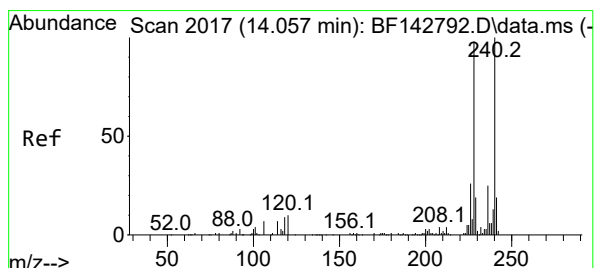
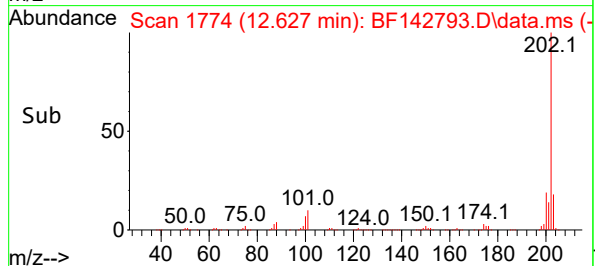
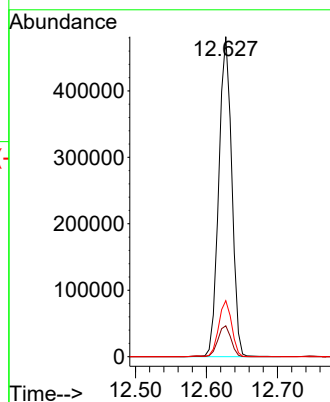
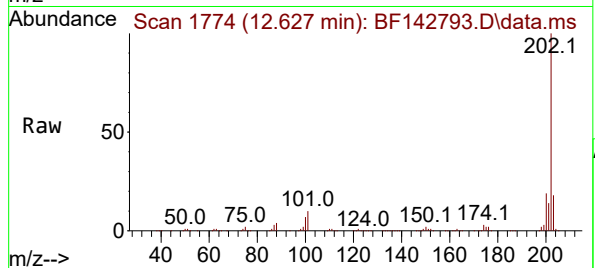




#75
Fluoranthene
Concen: 52.032 ng
RT: 12.627 min Scan# 11
Delta R.T. -0.000 min
Lab File: BF142793.D
Acq: 19 Jun 2025 19:40

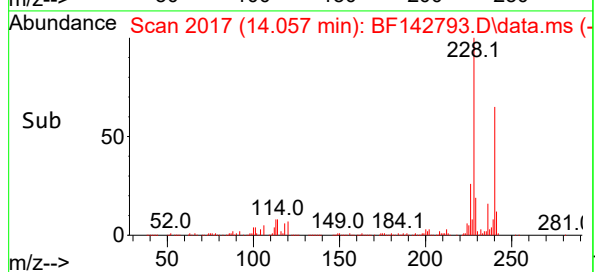
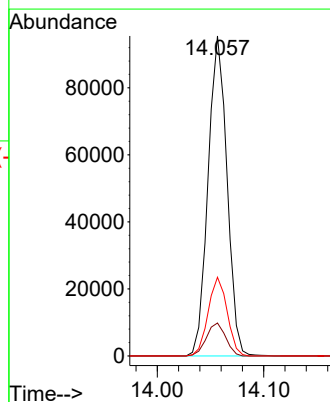
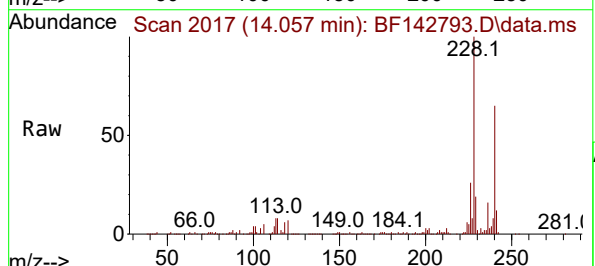
Instrument :
BNA_F
ClientSampleId :
SSTDICC050

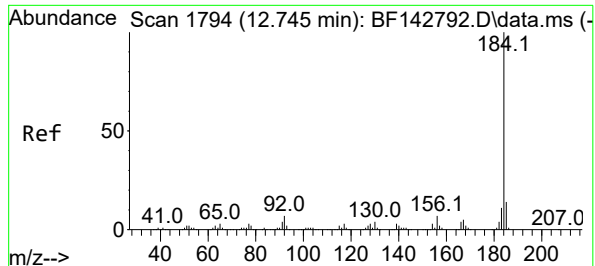
Tgt Ion:202 Resp: 608190
Ion Ratio Lower Upper
202 100
101 9.6 0.0 29.7
203 17.5 0.0 37.5



#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

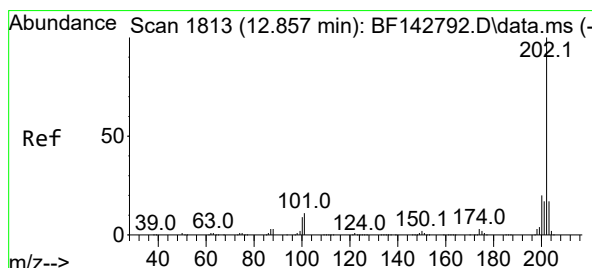
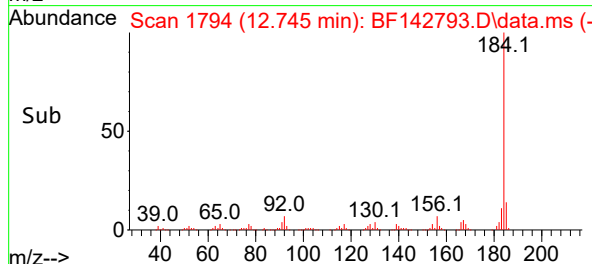
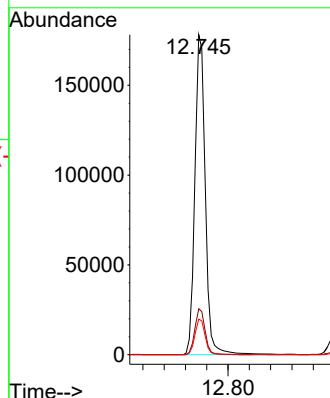
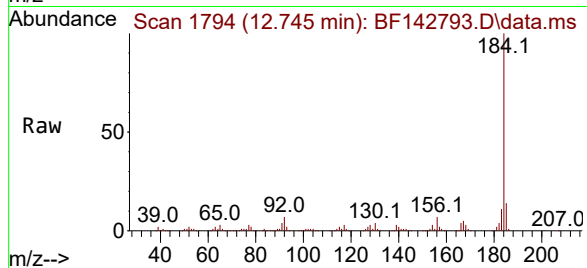
Tgt Ion:184 Resp: 242794

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

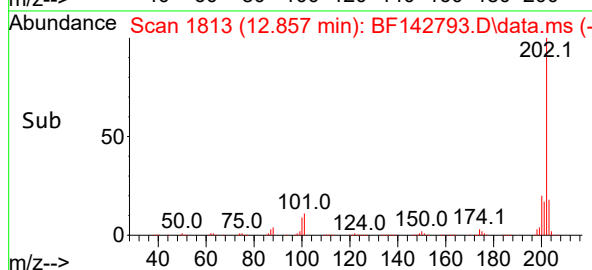
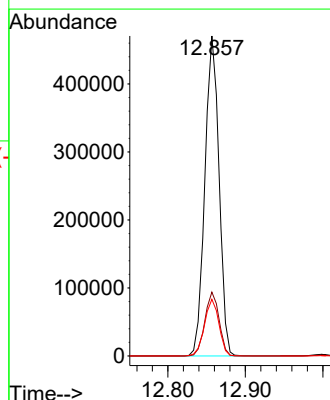
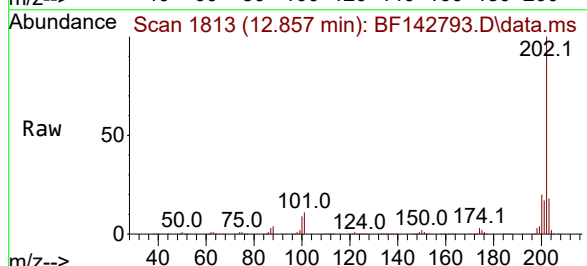
Tgt Ion:202 Resp: 597913

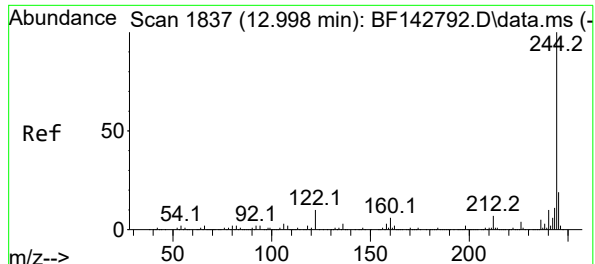
Ion Ratio Lower Upper

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

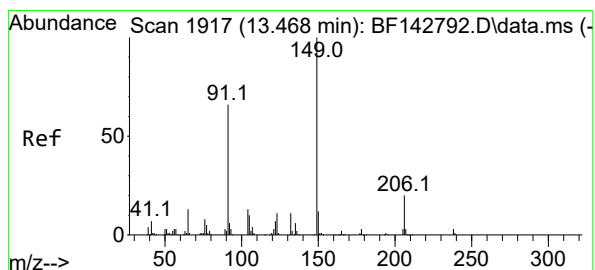
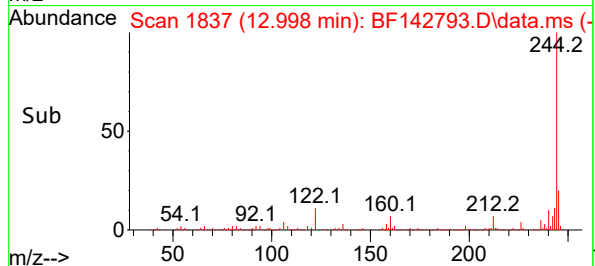
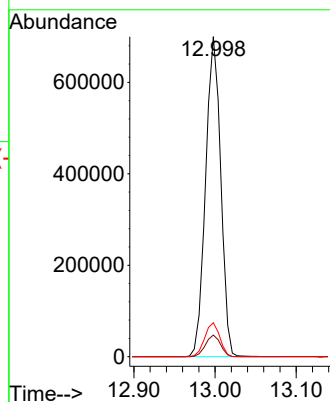
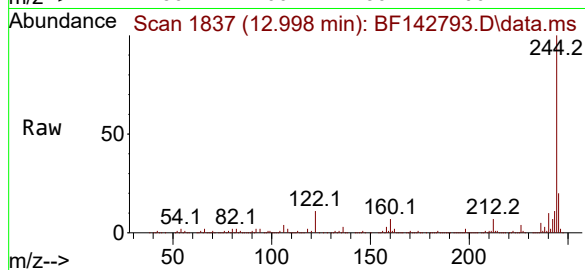
Tgt Ion:244 Resp: 904305

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

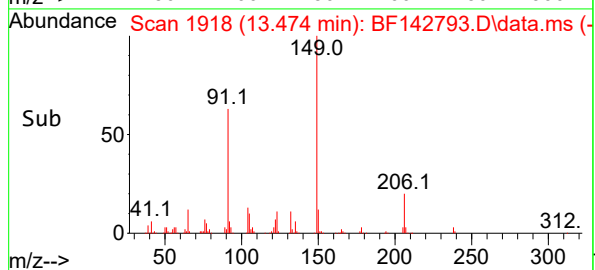
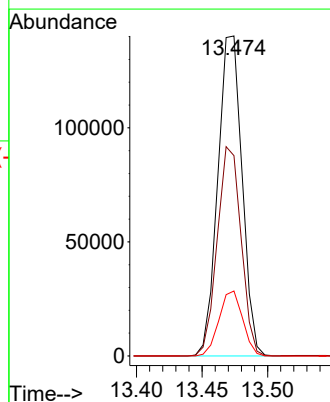
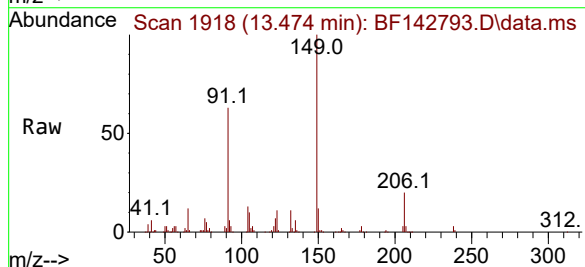
Tgt Ion:149 Resp: 180565

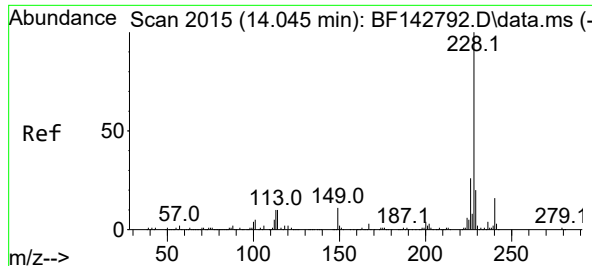
Ion Ratio Lower Upper

149 100

91 62.6 52.9 79.3

206 20.3 16.3 24.5

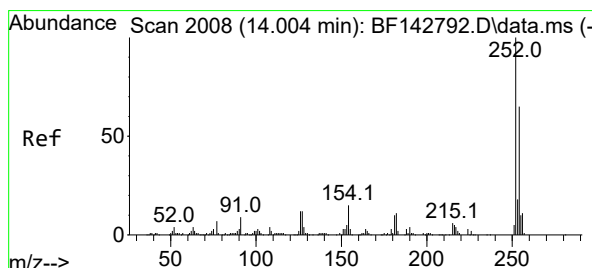
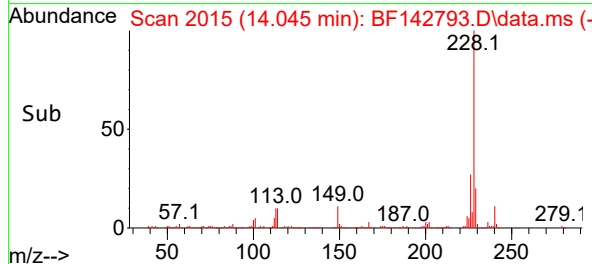
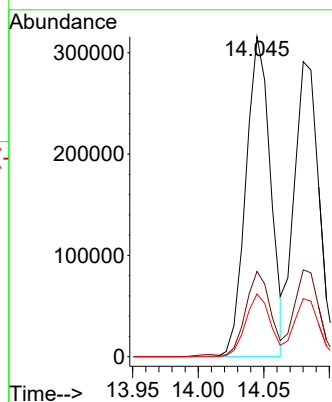
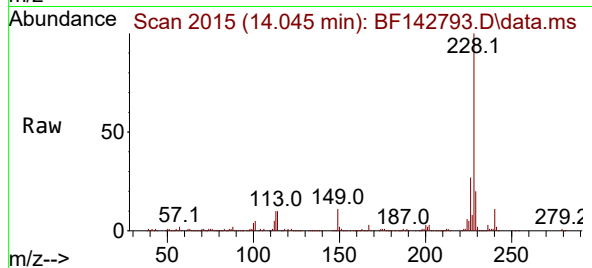




#81
Benzo(a)anthracene
Concen: 53.431 ng
RT: 14.045 min Scan# 2015
Delta R.T. -0.000 min
Lab File: BF142793.D
Acq: 19 Jun 2025 19:40

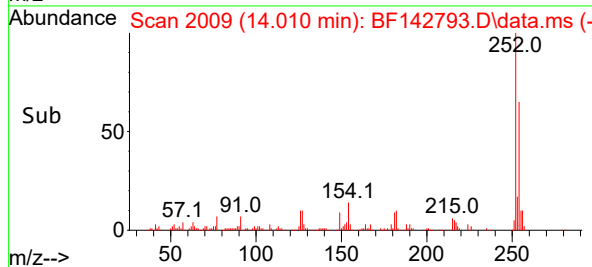
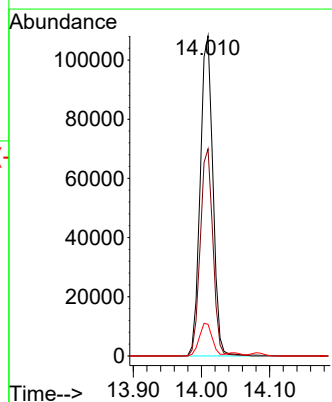
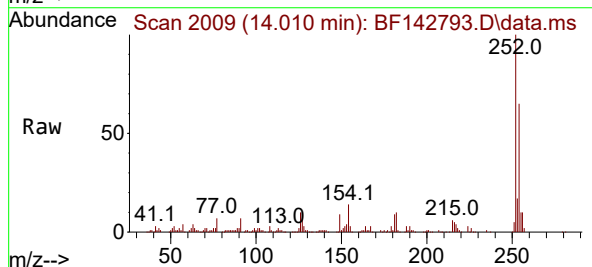
Instrument :
BNA_F
ClientSampleId :
SSTDICC050

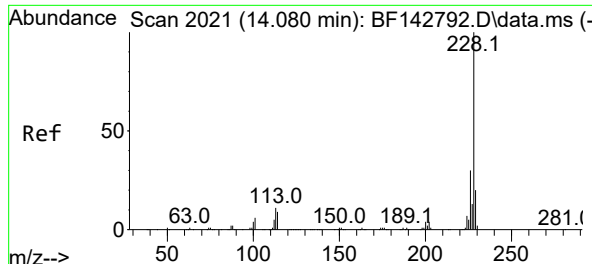
Tgt Ion:228 Resp: 413349
Ion Ratio Lower Upper
228 100
226 26.7 21.2 31.8
229 19.6 15.6 23.4



#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

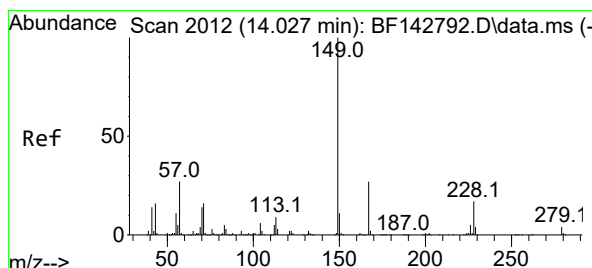
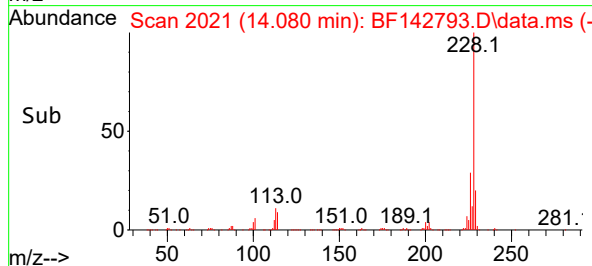
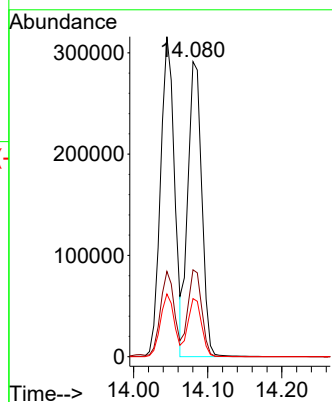
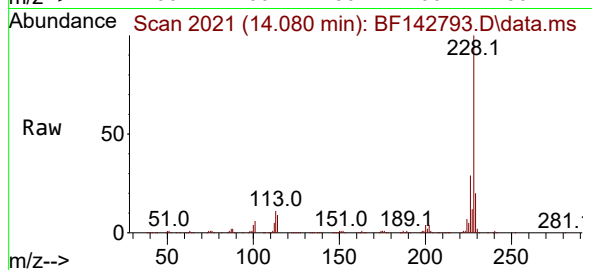
Tgt Ion:228 Resp: 381352

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

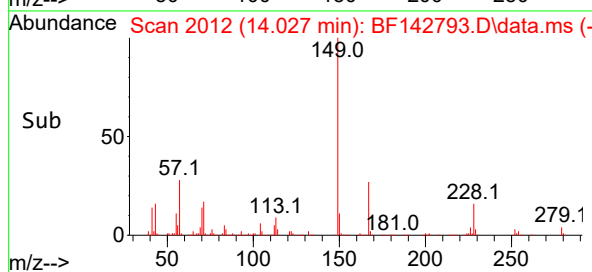
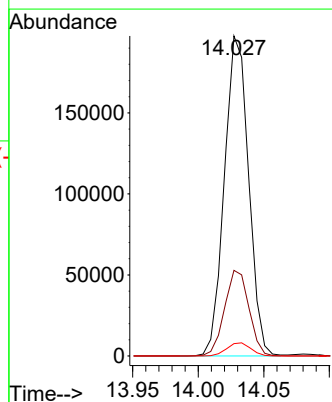
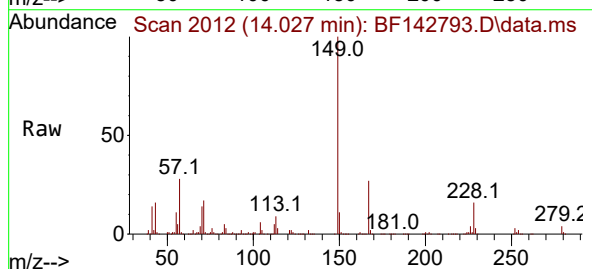
Tgt Ion:149 Resp: 253542

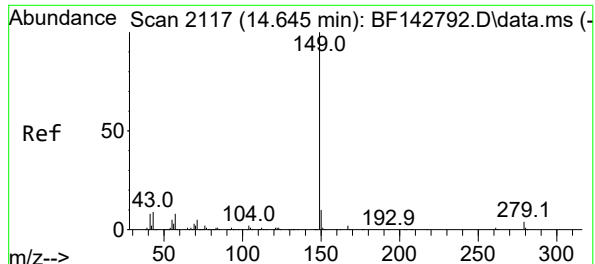
Ion Ratio Lower Upper

149 100

167 26.8 21.4 32.0

279 3.8 3.0 4.6

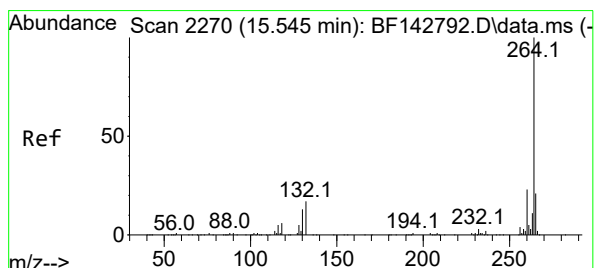
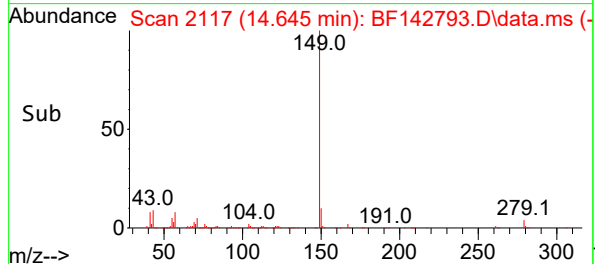
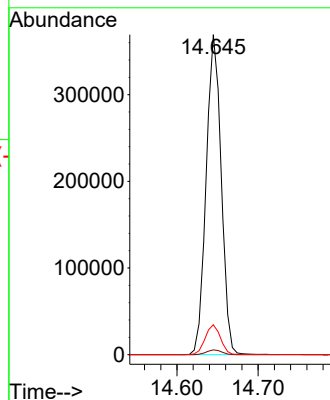
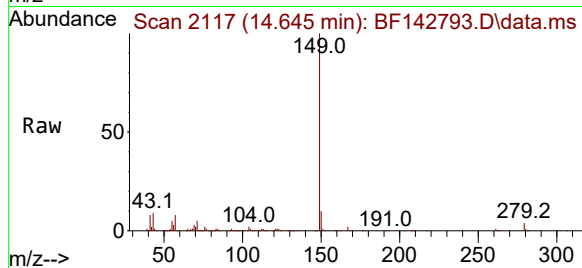




#85
Di-n-octyl phthalate
Concen: 52.029 ng
RT: 14.645 min Scan# 2117
Delta R.T. -0.000 min
Lab File: BF142793.D
Acq: 19 Jun 2025 19:40

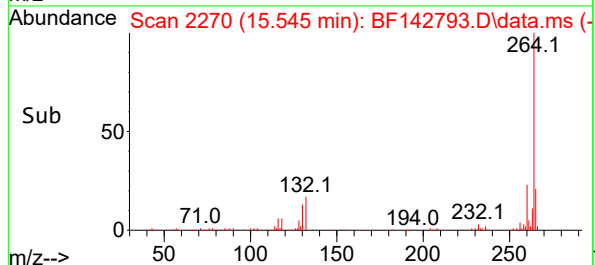
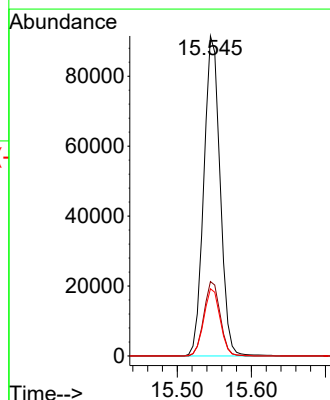
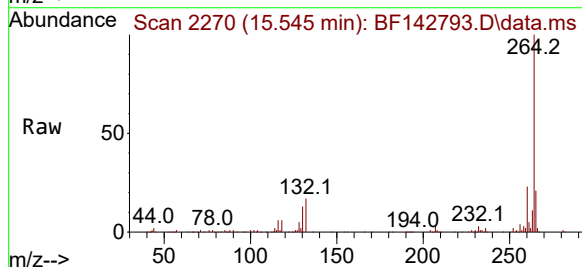
Instrument :
BNA_F
ClientSampleId :
SSTDICC050

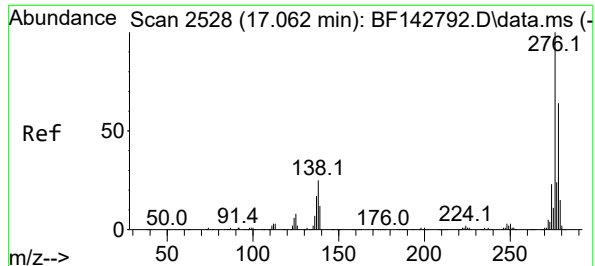
Tgt Ion	Ratio	Lower	Upper
149	100		
167	1.5	1.3	1.9
43	9.4	7.6	11.4



#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

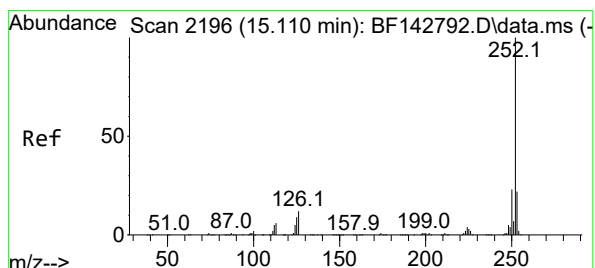
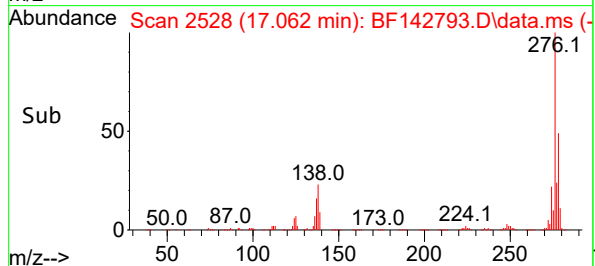
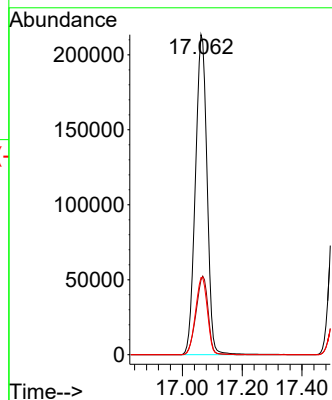
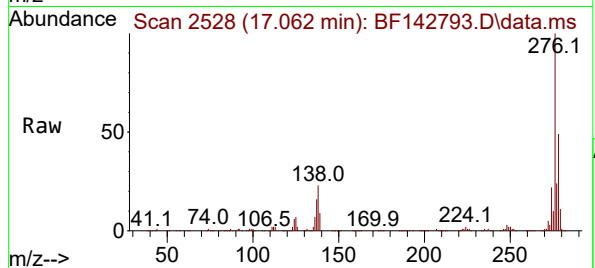




#87
Indeno(1,2,3-cd)pyrene
Concen: 55.741 ng
RT: 17.062 min Scan# 2196
Delta R.T. -0.000 min
Lab File: BF142793.D
Acq: 19 Jun 2025 19:40

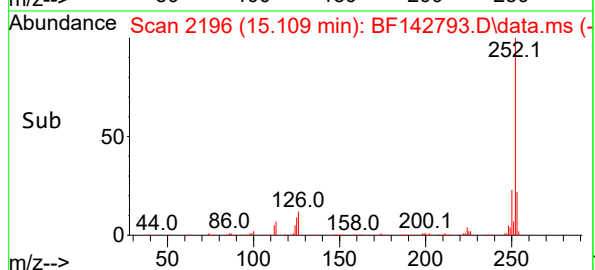
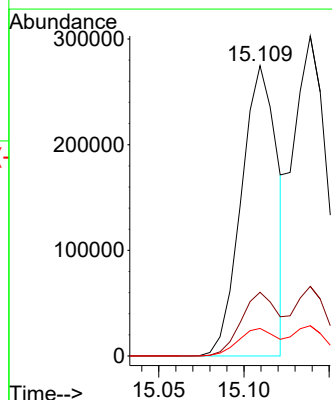
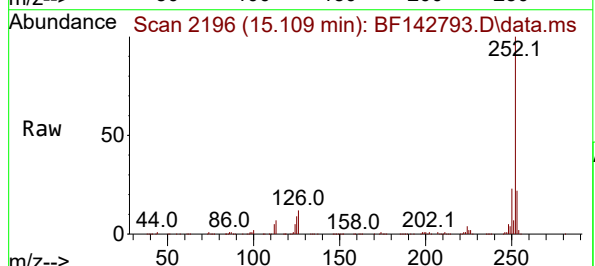
Instrument :
BNA_F
ClientSampleId :
SSTDICC050

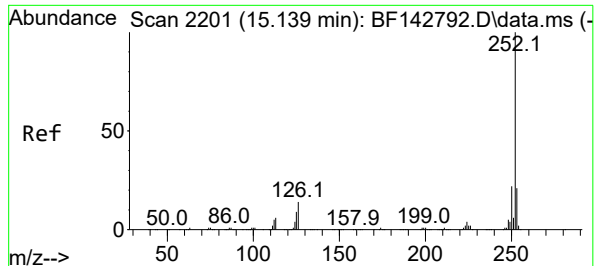
Tgt Ion:276 Resp: 575271
Ion Ratio Lower Upper
276 100
138 25.3 20.2 30.4
277 24.7 19.8 29.6



#88
Benzo(b)fluoranthene
Concen: 49.437 ng
RT: 15.109 min Scan# 2196
Delta R.T. -0.000 min
Lab File: BF142793.D
Acq: 19 Jun 2025 19:40

Tgt Ion:252 Resp: 401915
Ion Ratio Lower Upper
252 100
253 21.9 17.5 26.3
125 9.5 7.4 11.0





#89

Benzo(k)fluoranthene

Concen: 52.440 ng

RT: 15.139 min Scan# 21

Delta R.T. -0.000 min

Lab File: BF142793.D

Acq: 19 Jun 2025 19:40

Instrument :

BNA_F

ClientSampleId :

SSTDICC050

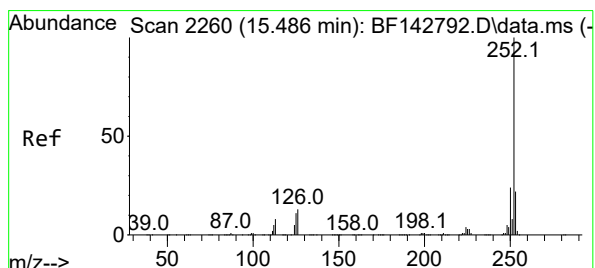
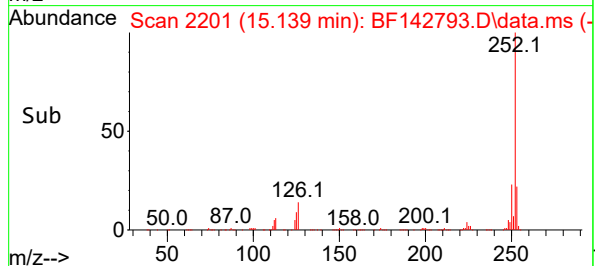
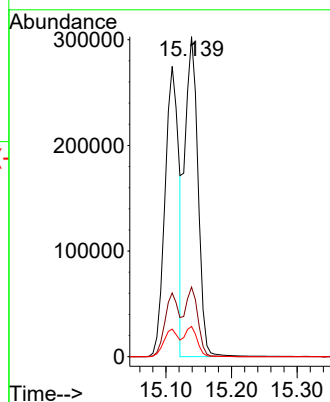
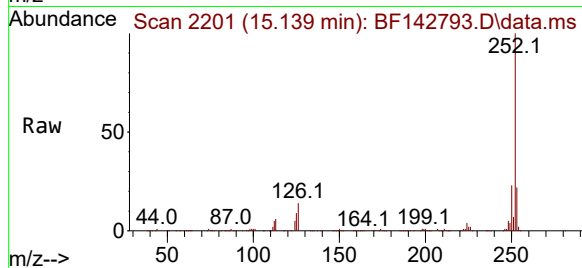
Tgt Ion:252 Resp: 416169

Ion Ratio Lower Upper

252 100

253 21.7 17.2 25.8

125 9.5 7.4 11.2



#90

Benzo(a)pyrene

Concen: 53.860 ng

RT: 15.486 min Scan# 2260

Delta R.T. -0.000 min

Lab File: BF142793.D

Acq: 19 Jun 2025 19:40

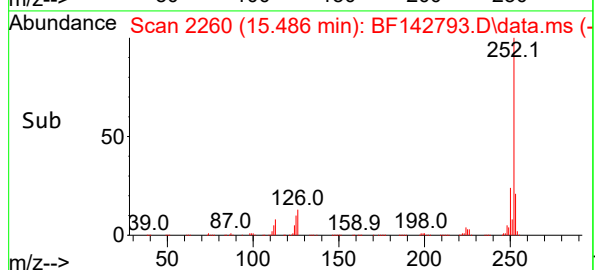
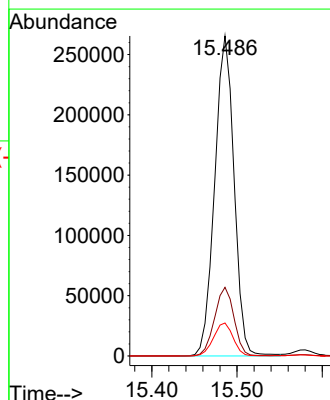
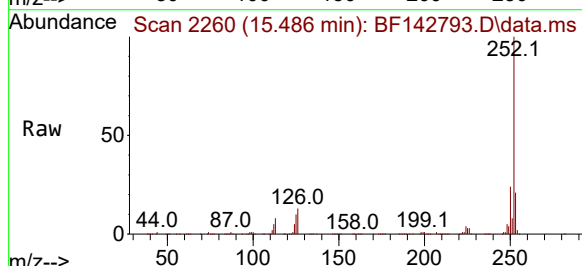
Tgt Ion:252 Resp: 419030

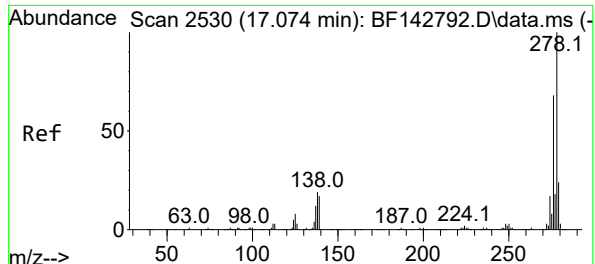
Ion Ratio Lower Upper

252 100

253 21.4 17.5 26.3

125 10.3 8.6 12.8





#91

Dibenzo(a,h)anthracene

Concen: 55.594 ng

RT: 17.080 min Scan# 21

Delta R.T. 0.006 min

Lab File: BF142793.D

Acq: 19 Jun 2025 19:40

Instrument :

BNA_F

ClientSampleId :

SSTDICC050

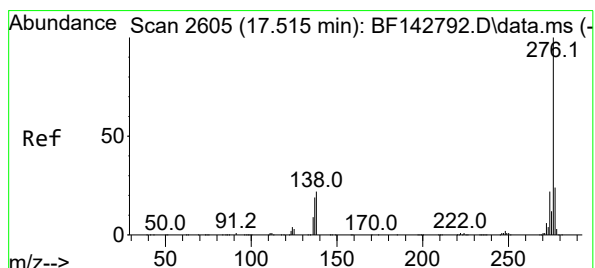
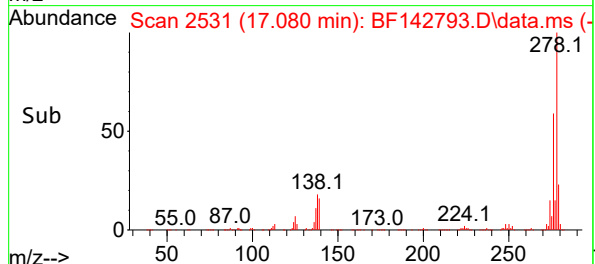
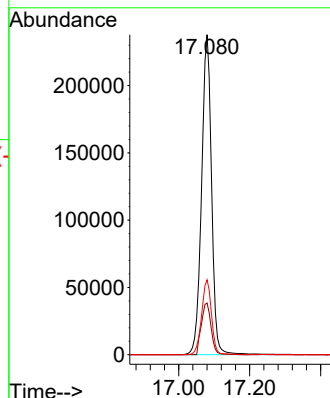
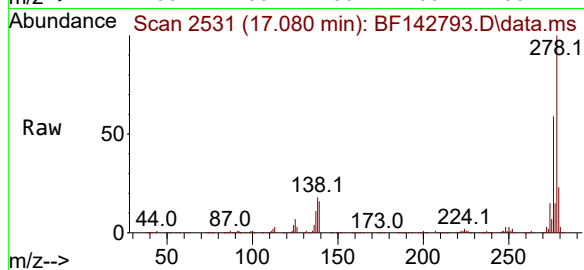
Tgt Ion:278 Resp: 466485

Ion Ratio Lower Upper

278 100

139 16.2 13.5 20.3

279 23.4 18.8 28.2



#92

Benzo(g,h,i)perylene

Concen: 55.540 ng

RT: 17.521 min Scan# 2606

Delta R.T. 0.006 min

Lab File: BF142793.D

Acq: 19 Jun 2025 19:40

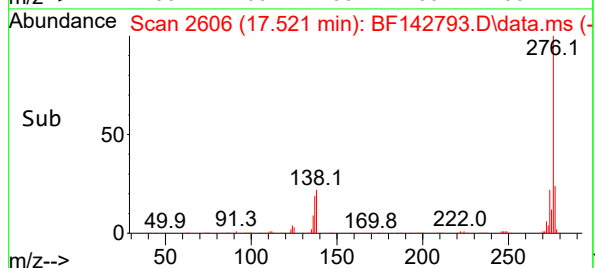
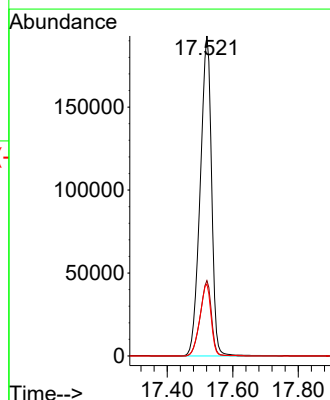
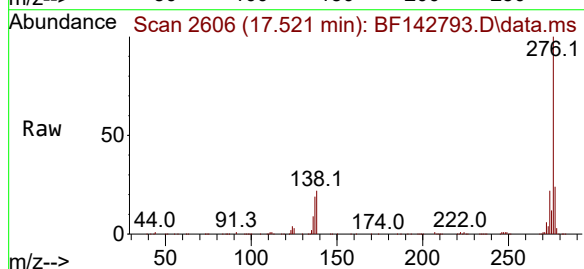
Tgt Ion:276 Resp: 464951

Ion Ratio Lower Upper

276 100

277 23.5 18.8 28.2

138 22.4 17.6 26.4



Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF061925\
 Data File : BF142794.D
 Acq On : 19 Jun 2025 20:10
 Operator : RC/JU
 Sample : SSTDICC060
 Misc :
 ALS Vial : 8 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 SSTDICC060

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

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

Internal Standards						
1) 1,4-Dichlorobenzene-d4	6.881	152	83273	20.000	ng	0.00
21) Naphthalene-d8	8.169	136	313390	20.000	ng	0.00
39) Acenaphthene-d10	9.928	164	161044	20.000	ng	0.00
64) Phenanthrene-d10	11.410	188	264336	20.000	ng	0.00
76) Chrysene-d12	14.057	240	133196	20.000	ng	0.00
86) Perylene-d12	15.551	264	166457	20.000	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.498	112	585158	119.852	ng	0.00
7) Phenol-d6	6.516	99	689436	120.255	ng	0.00
23) Nitrobenzene-d5	7.451	82	680402	119.003	ng	0.00
42) 2,4,6-Tribromophenol	10.716	330	198721	113.541	ng	0.00
45) 2-Fluorobiphenyl	9.245	172	1360586	112.392	ng	0.00
79) Terphenyl-d14	12.998	244	1107704	115.747	ng	0.00
Target Compounds						Qvalue
2) 1,4-Dioxane	2.640	88	119634	61.705	ng	99
3) Pyridine	3.410	79	302137	62.244	ng	99
4) n-Nitrosodimethylamine	3.375	42	157914	63.520	ng	99
6) Aniline	6.545	93	466855	60.761	ng	93
8) 2-Chlorophenol	6.669	128	317743	59.767	ng	99
9) Benzaldehyde	6.434	77	170843	48.878	ng	100
10) Phenol	6.528	94	382126	59.780	ng	92
11) bis(2-Chloroethyl)ether	6.622	93	278869	58.802	ng	98
12) 1,3-Dichlorobenzene	6.822	146	353155	58.337	ng	98
13) 1,4-Dichlorobenzene	6.898	146	356089	58.035	ng	99
14) 1,2-Dichlorobenzene	7.051	146	338121	57.645	ng	99
15) Benzyl Alcohol	7.028	79	257749	60.062	ng	99
16) 2,2'-oxybis(1-Chloropr...	7.157	45	439082	58.763	ng	97
17) 2-Methylphenol	7.134	107	242711	59.716	ng	100
18) Hexachloroethane	7.392	117	124457	56.741	ng	98
19) n-Nitroso-di-n-propyla...	7.304	70	202914	56.123	ng	97
20) 3+4-Methylphenols	7.292	107	298960	58.442	ng	99
22) Acetophenone	7.298	105	402615	58.063	ng	99
24) Nitrobenzene	7.469	77	306032	60.229	ng	99
25) Isophorone	7.710	82	548612	57.216	ng	100
26) 2-Nitrophenol	7.786	139	175072	61.836	ng	98
27) 2,4-Dimethylphenol	7.822	122	288532	59.859	ng	99
28) bis(2-Chloroethoxy)met...	7.916	93	343925	57.620	ng	100
29) 2,4-Dichlorophenol	8.028	162	260228	58.574	ng	99
30) 1,2,4-Trichlorobenzene	8.110	180	282721	57.608	ng	99
31) Naphthalene	8.192	128	886614	57.524	ng	100
32) Benzoic acid	7.945	122	169471	63.369	ng	96
33) 4-Chloroaniline	8.239	127	369911	59.887	ng	99
34) Hexachlorobutadiene	8.304	225	173425	55.768	ng	99
35) Caprolactam	8.622	113	73108	61.157	ng	98
36) 4-Chloro-3-methylphenol	8.722	107	261249	56.927	ng	99
37) 2-Methylnaphthalene	8.881	142	548439	56.406	ng	100
38) 1-Methylnaphthalene	8.980	142	567801	56.247	ng	99
40) 1,2,4,5-Tetrachloroben...	9.045	216	278551	59.918	ng	99
41) Hexachlorocyclopentadiene	9.033	237	181771	61.835	ng	99
43) 2,4,6-Trichlorophenol	9.157	196	187708	62.392	ng	100

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF061925\
 Data File : BF142794.D
 Acq On : 19 Jun 2025 20:10
 Operator : RC/JU
 Sample : SSTDICC060
 Misc :
 ALS Vial : 8 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 SSTDICC060

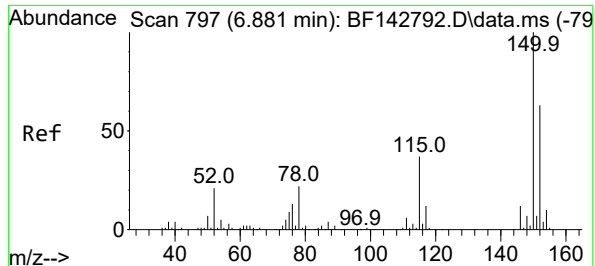
Quant Time: Jun 20 04:41:29 2025
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF061925.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Fri Jun 20 04:36:38 2025
 Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
44) 2,4,5-Trichlorophenol	9.204	196	196769	60.565	ng	99
46) 1,1'-Biphenyl	9.345	154	736970	58.937	ng	99
47) 2-Chloronaphthalene	9.375	162	553304	59.966	ng	99
48) 2-Nitroaniline	9.469	65	162701	62.067	ng	96
49) Acenaphthylene	9.786	152	913540	58.892	ng	100
50) Dimethylphthalate	9.651	163	617097	57.767	ng	100
51) 2,6-Dinitrotoluene	9.710	165	137318	59.299	ng	99
52) Acenaphthene	9.963	154	566138	58.980	ng	100
53) 3-Nitroaniline	9.880	138	154402	61.386	ng	99
54) 2,4-Dinitrophenol	9.986	184	78750	62.843	ng	99
55) Dibenzofuran	10.133	168	802087	58.567	ng	99
56) 4-Nitrophenol	10.039	139	110658	64.811	ng	100
57) 2,4-Dinitrotoluene	10.116	165	184840	60.367	ng	97
58) Fluorene	10.475	166	608786	56.322	ng	99
59) 2,3,4,6-Tetrachlorophenol	10.251	232	159997	58.739	ng	97
60) Diethylphthalate	10.345	149	611873	57.662	ng	100
61) 4-Chlorophenyl-phenyle...	10.463	204	294444	56.089	ng	98
62) 4-Nitroaniline	10.498	138	144821	64.135	ng	98
63) Azobenzene	10.627	77	542118	58.460	ng	98
65) 4,6-Dinitro-2-methylph...	10.527	198	103180	62.814	ng	100
66) n-Nitrosodiphenylamine	10.586	169	531713	58.540	ng	98
67) 4-Bromophenyl-phenylether	10.957	248	180519	58.311	ng	97
68) Hexachlorobenzene	11.022	284	199479	58.041	ng	99
69) Atrazine	11.110	200	144880	60.075	ng	98
70) Pentachlorophenol	11.216	266	107141	60.023	ng	98
71) Phenanthrene	11.439	178	815330	57.611	ng	99
72) Anthracene	11.492	178	844549	57.653	ng	100
73) Carbazole	11.645	167	729372	59.457	ng	100
74) Di-n-butylphthalate	11.969	149	784514	57.759	ng	100
75) Fluoranthene	12.627	202	770481	57.300	ng	99
77) Benzidine	12.751	184	287238	60.916	ng	100
78) Pyrene	12.857	202	744567	60.812	ng	99
80) Butylbenzylphthalate	13.474	149	238584	65.755	ng	97
81) Benzo(a)anthracene	14.045	228	550008	62.892	ng	99
82) 3,3'-Dichlorobenzidine	14.010	252	177798	62.787	ng	100
83) Chrysene	14.086	228	470124	57.743	ng	100
84) Bis(2-ethylhexyl)phtha...	14.027	149	336951	62.326	ng	99
85) Di-n-octyl phthalate	14.645	149	627090	60.871	ng	100
87) Indeno(1,2,3-cd)pyrene	17.068	276	768324	62.432	ng	99
88) Benzo(b)fluoranthene	15.110	252	597533	61.638	ng	100
89) Benzo(k)fluoranthene	15.139	252	518514	54.792	ng	99
90) Benzo(a)pyrene	15.486	252	569694	61.408	ng	99
91) Dibenzo(a,h)anthracene	17.086	278	619236	61.889	ng	99
92) Benzo(g,h,i)perylene	17.527	276	626847	62.795	ng	100

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

Instrument :
BNA_F
ClientSampleId :
SSTDICC060

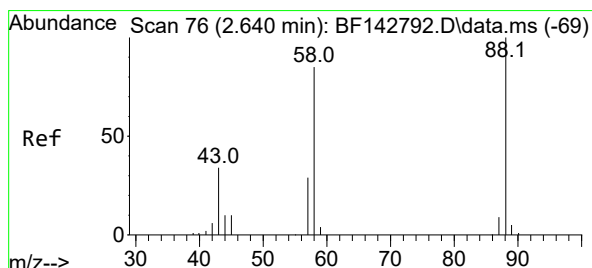
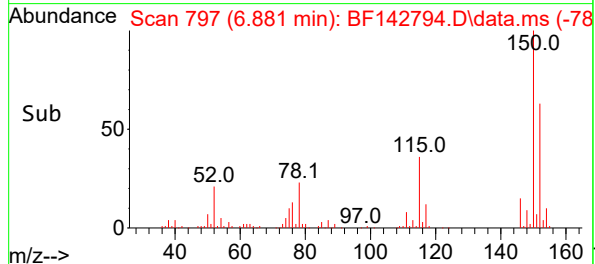
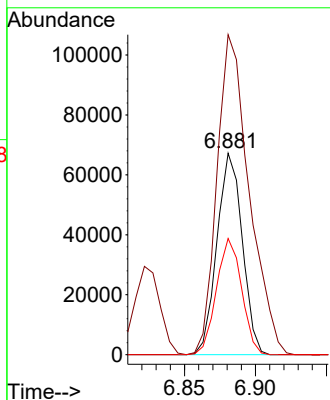
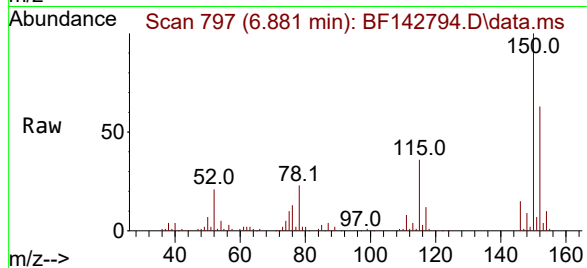
[illegible]



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

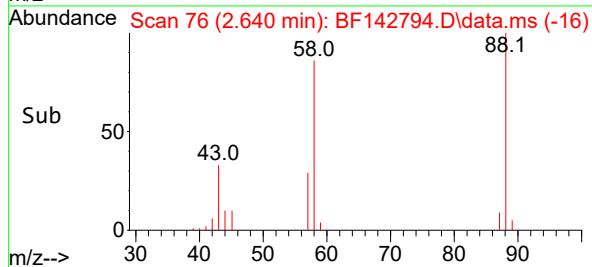
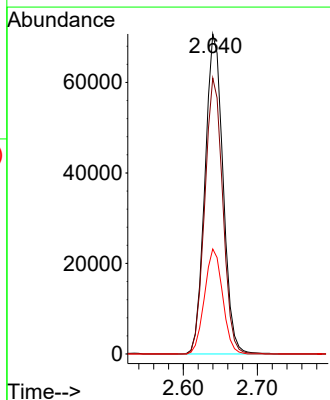
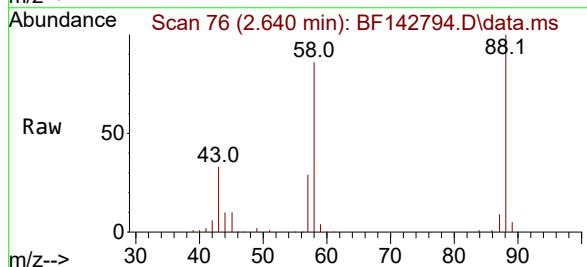
Instrument :
BNA_F
ClientSampleId :
SSTDICC060

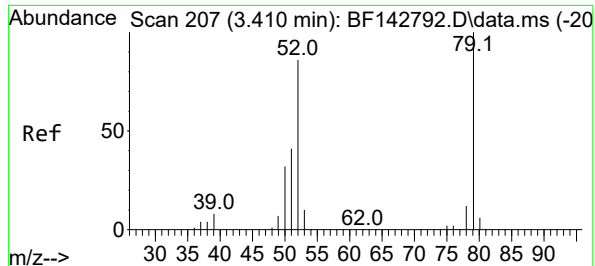
Tgt Ion:152 Resp: 83273
Ion Ratio Lower Upper
152 100
150 158.8 127.2 190.8
115 57.7 46.6 69.8



#2
1,4-Dioxane
Concen: 61.705 ng
RT: 2.640 min Scan# 76
Delta R.T. 0.000 min
Lab File: BF142794.D
Acq: 19 Jun 2025 20:10

Tgt Ion: 88 Resp: 119634
Ion Ratio Lower Upper
88 100
58 85.7 69.1 103.7
43 32.8 27.4 41.2





#3

Pyridine

Concen: 62.244 ng

RT: 3.410 min Scan# 207

Delta R.T. 0.000 min

Lab File: BF142794.D

Acq: 19 Jun 2025 20:10

Instrument :

BNA_F

ClientSampleId :

SSTDICC060

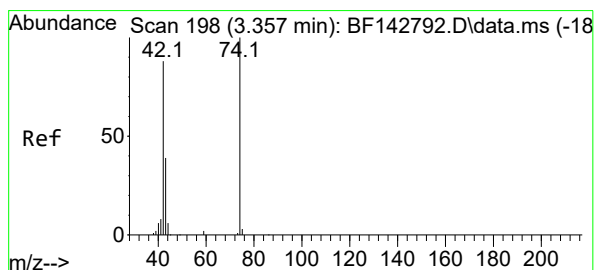
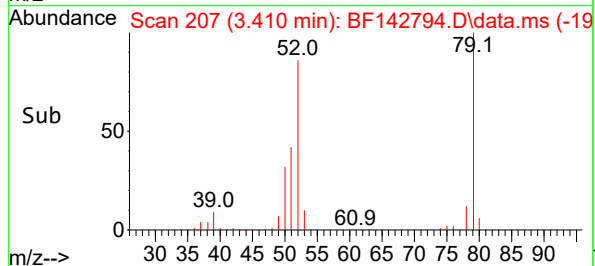
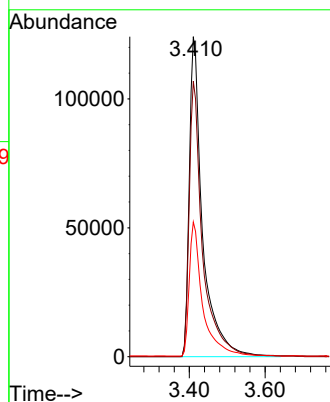
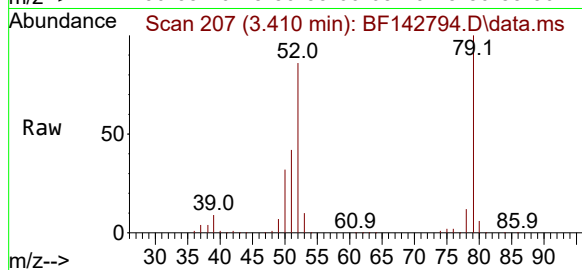
Tgt Ion: 79 Resp: 302137

Ion Ratio Lower Upper

79 100

52 86.1 69.2 103.8

51 42.1 33.2 49.8



#4

n-Nitrosodimethylamine

Concen: 63.520 ng

RT: 3.375 min Scan# 201

Delta R.T. 0.018 min

Lab File: BF142794.D

Acq: 19 Jun 2025 20:10

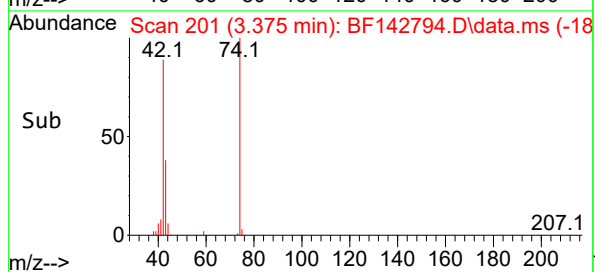
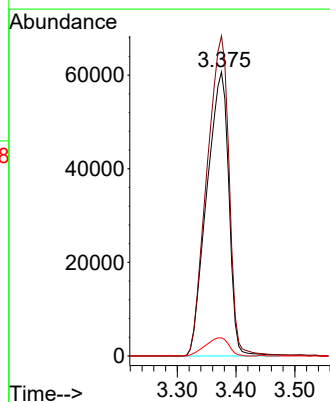
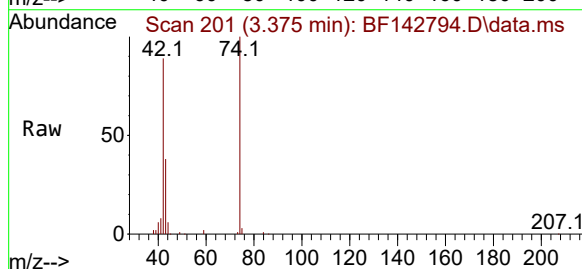
Tgt Ion: 42 Resp: 157914

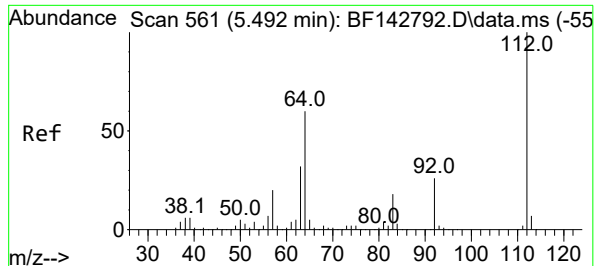
Ion Ratio Lower Upper

42 100

74 112.7 90.9 136.3

44 6.4 5.8 8.6





#5

2-Fluorophenol

Concen: 119.852 ng

RT: 5.498 min Scan# 5

Delta R.T. 0.006 min

Lab File: BF142794.D

Acq: 19 Jun 2025 20:10

Instrument :

BNA_F

ClientSampleId :

SSTDICC060

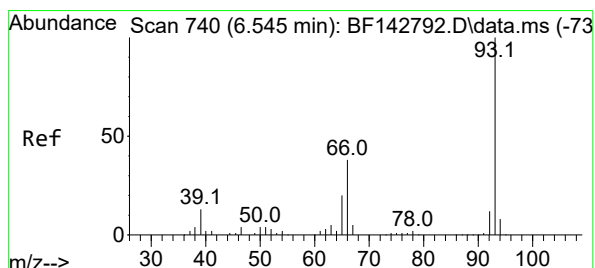
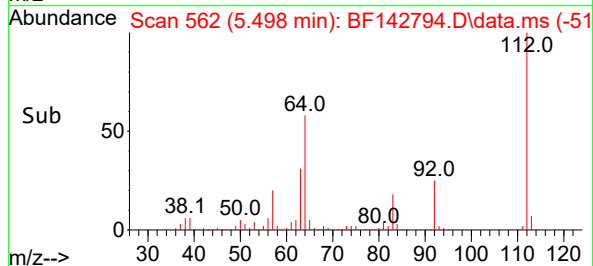
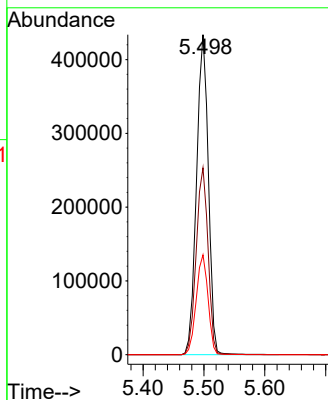
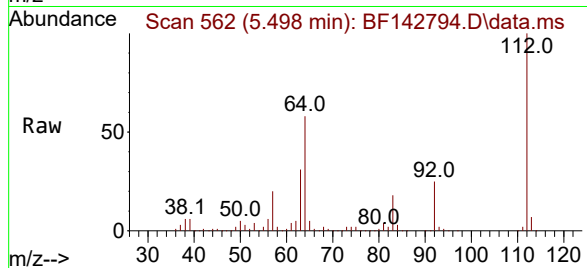
Tgt Ion:112 Resp: 585158

Ion Ratio Lower Upper

112 100

64 58.4 48.2 72.2

63 31.2 25.7 38.5



#6

Aniline

Concen: 60.761 ng

RT: 6.545 min Scan# 740

Delta R.T. 0.000 min

Lab File: BF142794.D

Acq: 19 Jun 2025 20:10

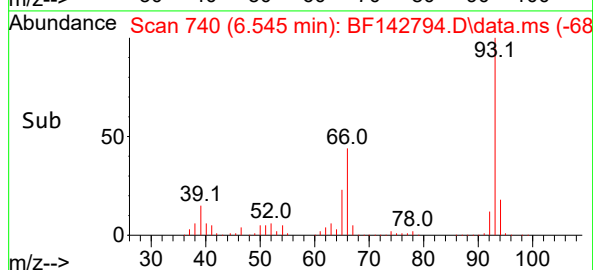
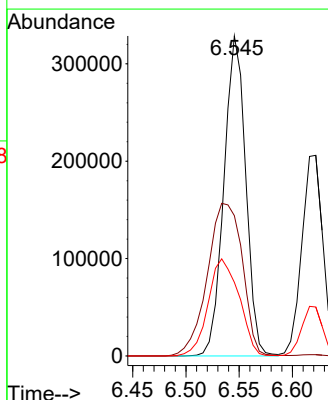
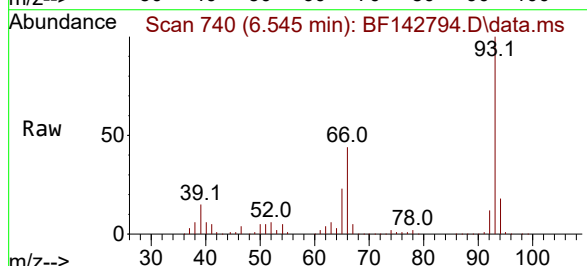
Tgt Ion: 93 Resp: 466855

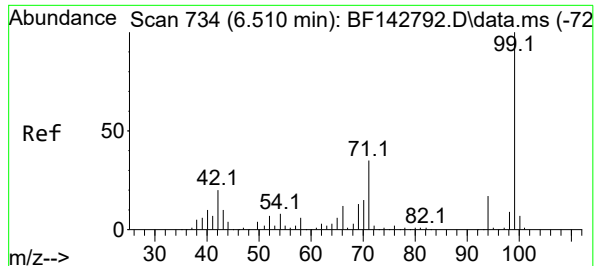
Ion Ratio Lower Upper

93 100

66 43.9 31.8 47.6

65 23.0 16.2 24.2





#7

Phenol-d6

Concen: 120.255 ng

RT: 6.516 min Scan# 71

Delta R.T. 0.006 min

Lab File: BF142794.D

Acq: 19 Jun 2025 20:10

Instrument :

BNA_F

ClientSampleId :

SSTDICC060

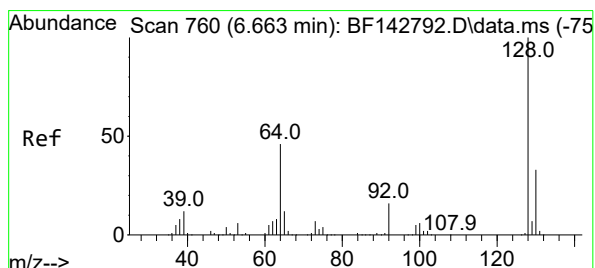
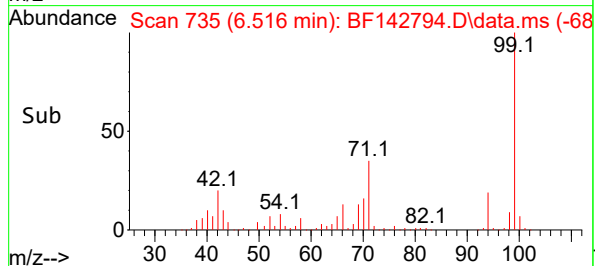
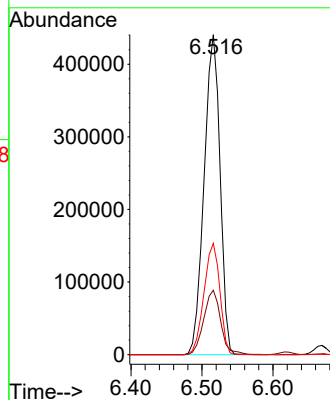
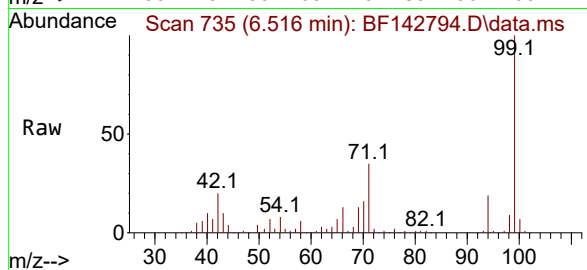
Tgt Ion: 99 Resp: 689436

Ion Ratio Lower Upper

99 100

42 20.2 15.9 23.9

71 34.8 27.8 41.8



#8

2-Chlorophenol

Concen: 59.767 ng

RT: 6.669 min Scan# 761

Delta R.T. 0.006 min

Lab File: BF142794.D

Acq: 19 Jun 2025 20:10

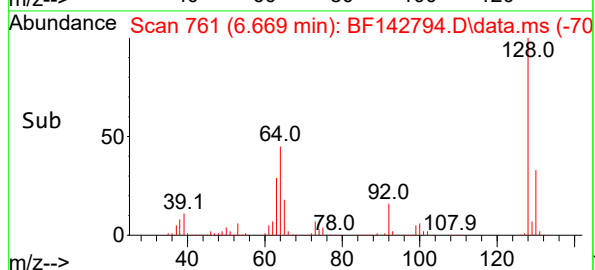
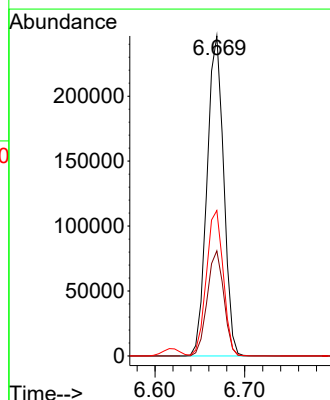
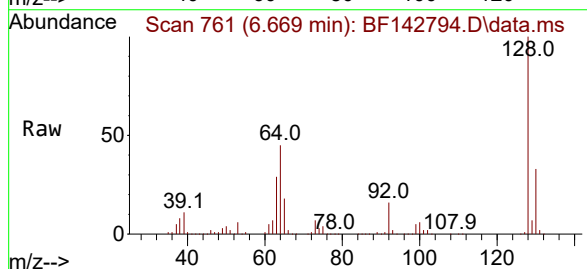
Tgt Ion:128 Resp: 317743

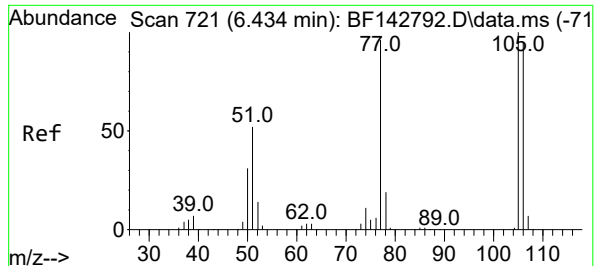
Ion Ratio Lower Upper

128 100

130 32.9 12.7 52.7

64 45.5 26.5 66.5





#9

Benzaldehyde

Concen: 48.878 ng

RT: 6.434 min Scan# 71

Delta R.T. 0.000 min

Lab File: BF142794.D

Acq: 19 Jun 2025 20:10

Instrument :

BNA_F

ClientSampleId :

SSTDICC060

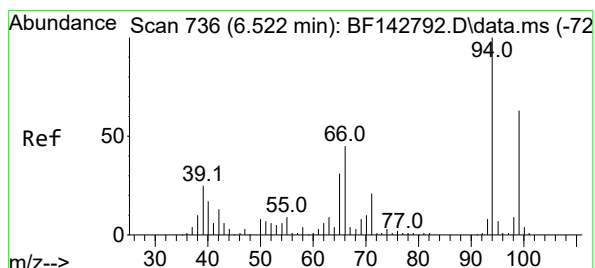
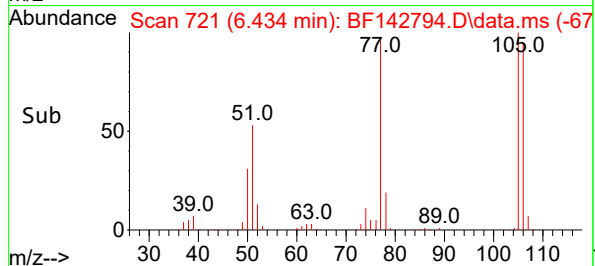
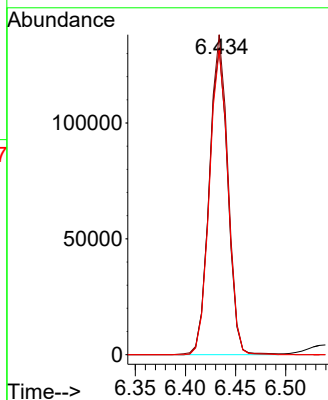
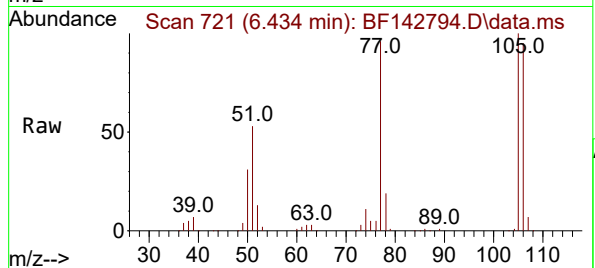
Tgt Ion: 77 Resp: 170843

Ion Ratio Lower Upper

77 100

105 104.2 83.8 123.8

106 99.1 78.7 118.7



#10

Phenol

Concen: 59.780 ng

RT: 6.528 min Scan# 737

Delta R.T. 0.006 min

Lab File: BF142794.D

Acq: 19 Jun 2025 20:10

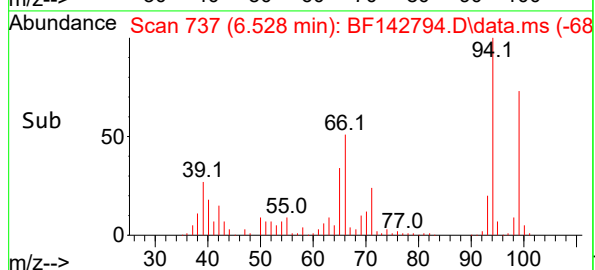
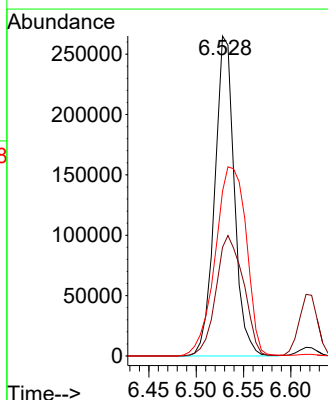
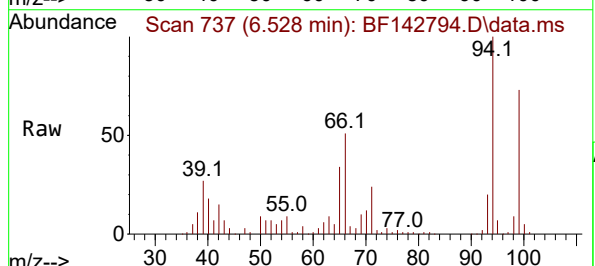
Tgt Ion: 94 Resp: 382126

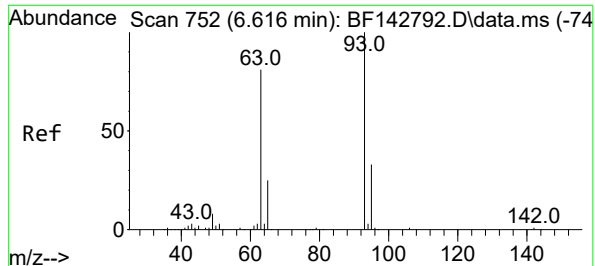
Ion Ratio Lower Upper

94 100

65 34.0 11.3 51.3

66 51.4 24.9 64.9

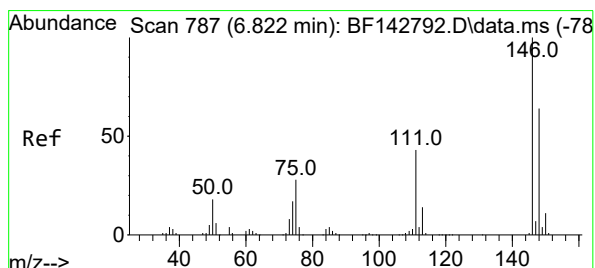
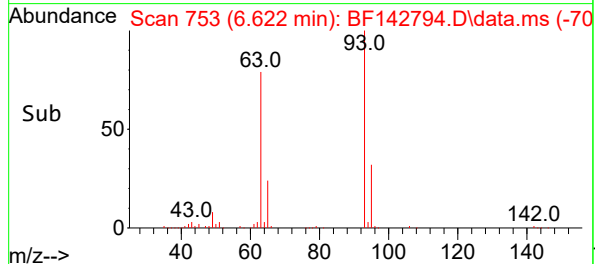
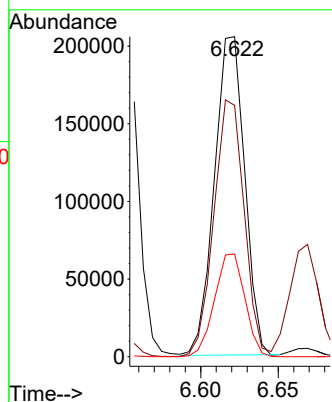
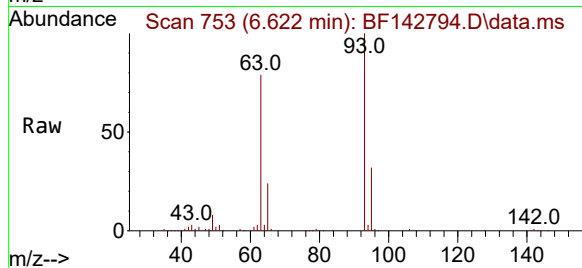




#11
bis(2-Chloroethyl)ether
Concen: 58.802 ng
RT: 6.622 min Scan# 753
Delta R.T. 0.006 min
Lab File: BF142794.D
Acq: 19 Jun 2025 20:10

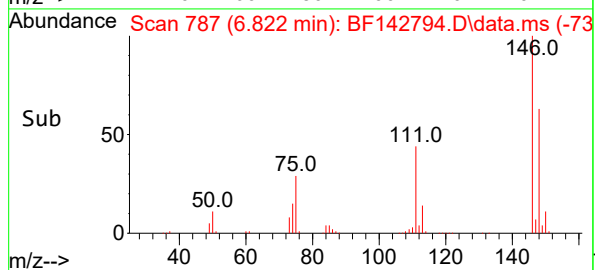
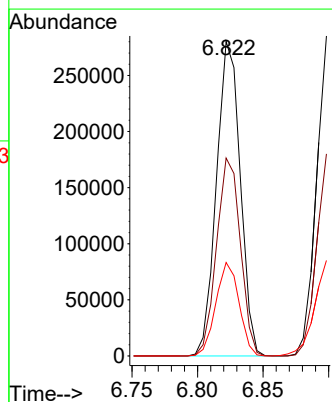
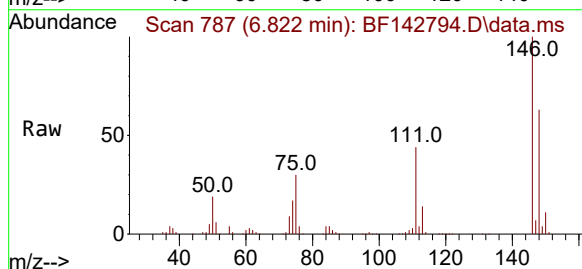
Instrument :
BNA_F
ClientSampleId :
SSTDICC060

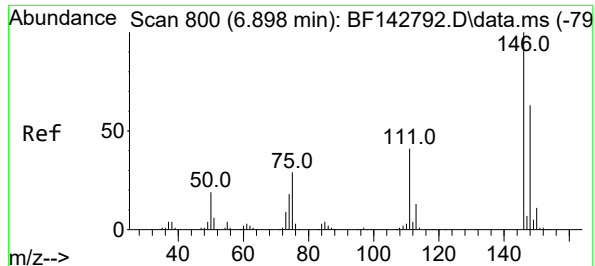
Tgt Ion: 93 Resp: 278869
Ion Ratio Lower Upper
93 100
63 78.5 60.3 100.3
95 32.1 12.5 52.5



#12
1,3-Dichlorobenzene
Concen: 58.337 ng
RT: 6.822 min Scan# 787
Delta R.T. 0.000 min
Lab File: BF142794.D
Acq: 19 Jun 2025 20:10

Tgt Ion: 146 Resp: 353155
Ion Ratio Lower Upper
146 100
148 63.0 51.1 76.7
75 29.7 22.7 34.1





#13

1,4-Dichlorobenzene

Concen: 58.035 ng

RT: 6.898 min Scan# 800

Delta R.T. 0.000 min

Lab File: BF142794.D

Acq: 19 Jun 2025 20:10

Instrument :

BNA_F

ClientSampleId :

SSTDICC060

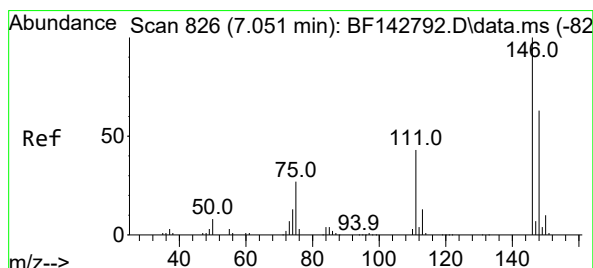
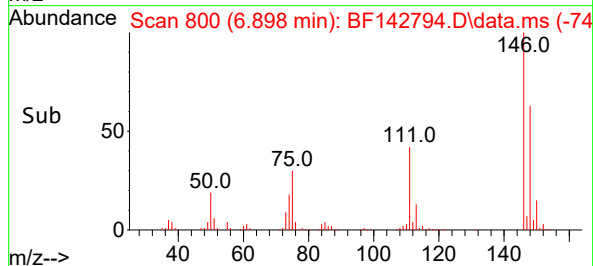
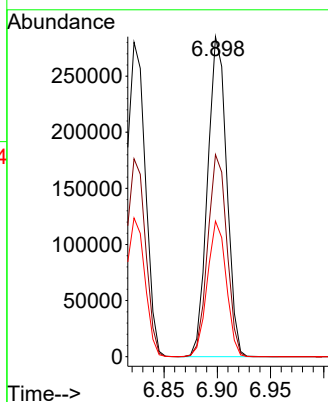
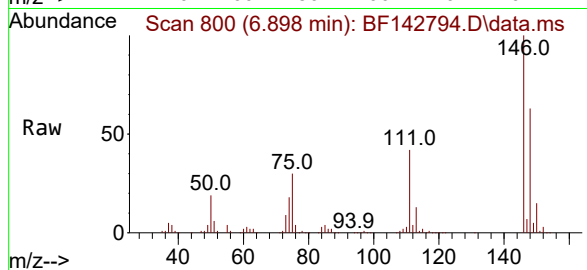
Tgt Ion:146 Resp: 356089

Ion Ratio Lower Upper

146 100

148 63.1 50.2 75.2

111 42.4 33.2 49.8



#14

1,2-Dichlorobenzene

Concen: 57.645 ng

RT: 7.051 min Scan# 826

Delta R.T. 0.000 min

Lab File: BF142794.D

Acq: 19 Jun 2025 20:10

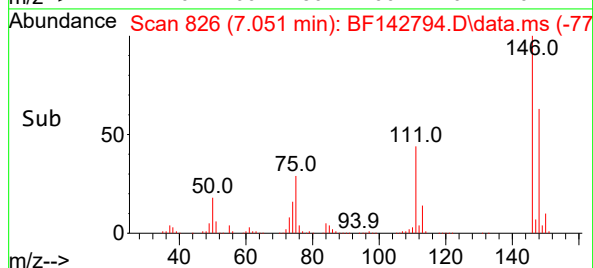
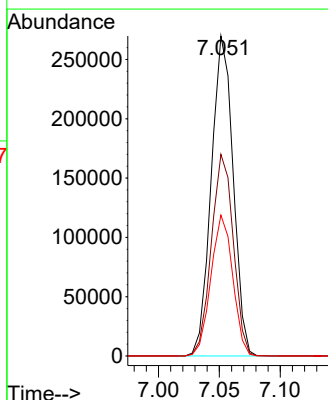
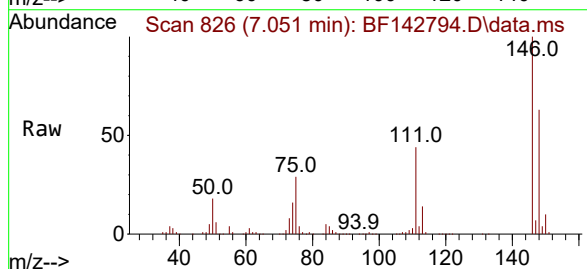
Tgt Ion:146 Resp: 338121

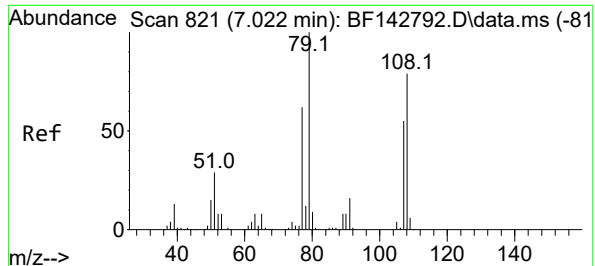
Ion Ratio Lower Upper

146 100

148 63.0 50.4 75.6

111 44.0 34.1 51.1





#15

Benzyl Alcohol

Concen: 60.062 ng

RT: 7.028 min Scan# 81

Delta R.T. 0.006 min

Lab File: BF142794.D

Acq: 19 Jun 2025 20:10

Instrument :

BNA_F

ClientSampleId :

SSTDICC060

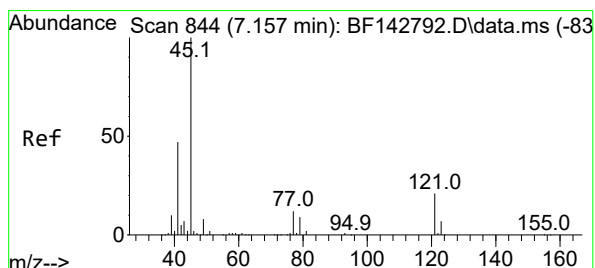
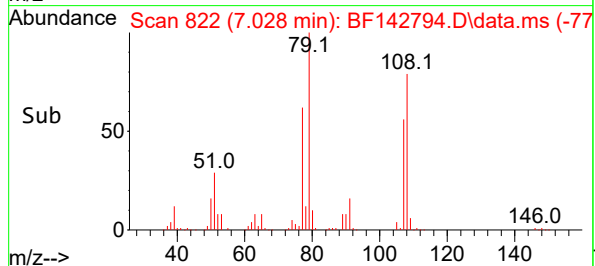
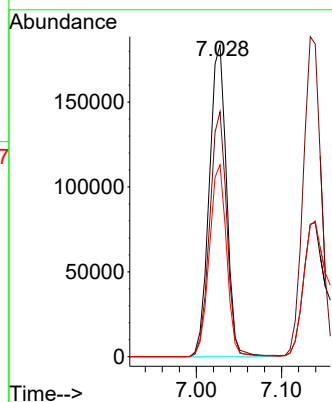
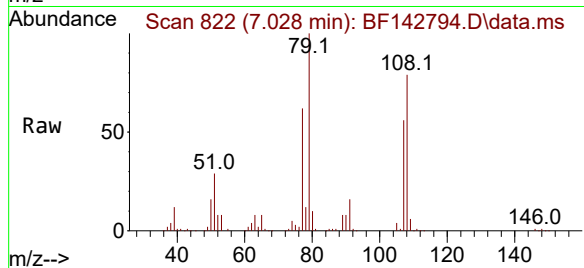
Tgt Ion: 79 Resp: 257749

Ion Ratio Lower Upper

79 100

108 78.6 63.4 95.0

77 61.5 49.5 74.3



#16

2,2'-oxybis(1-Chloropropane)

Concen: 58.763 ng

RT: 7.157 min Scan# 844

Delta R.T. 0.000 min

Lab File: BF142794.D

Acq: 19 Jun 2025 20:10

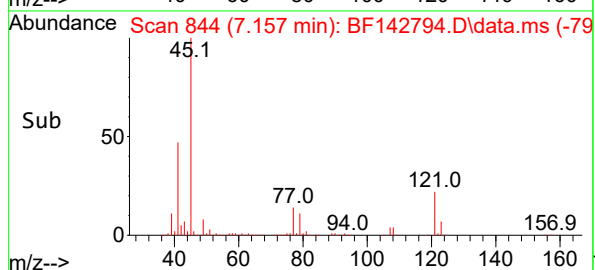
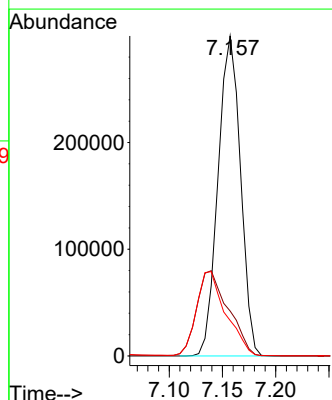
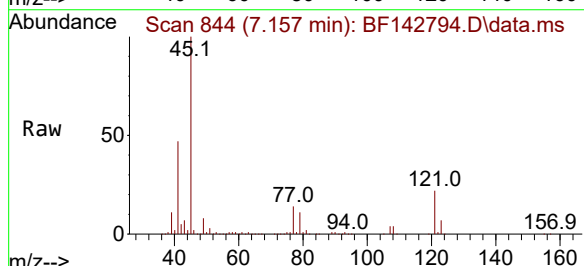
Tgt Ion: 45 Resp: 439082

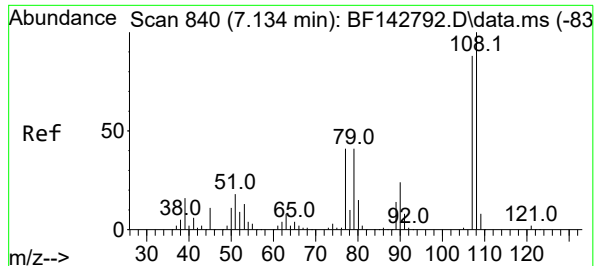
Ion Ratio Lower Upper

45 100

77 14.0 0.0 32.8

79 11.1 0.0 29.8

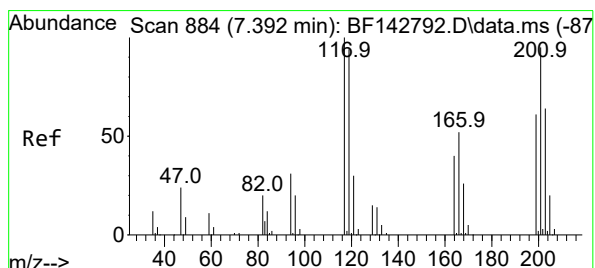
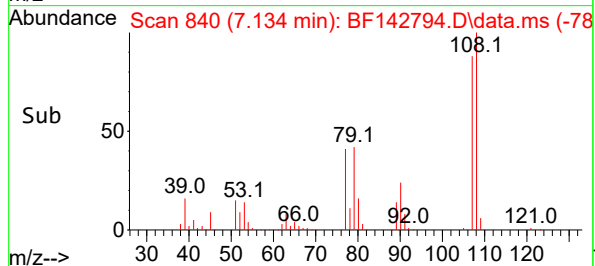
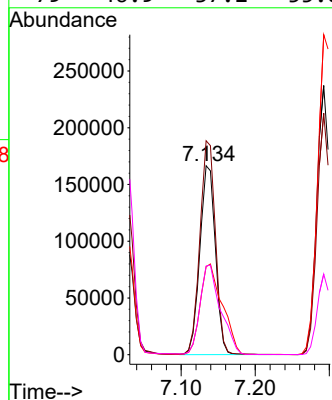
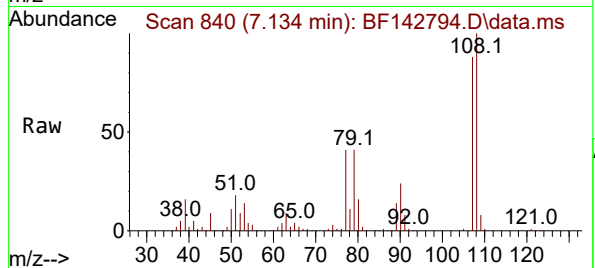




#17
2-Methylphenol
Concen: 59.716 ng
RT: 7.134 min Scan# 840
Delta R.T. 0.000 min
Lab File: BF142794.D
Acq: 19 Jun 2025 20:10

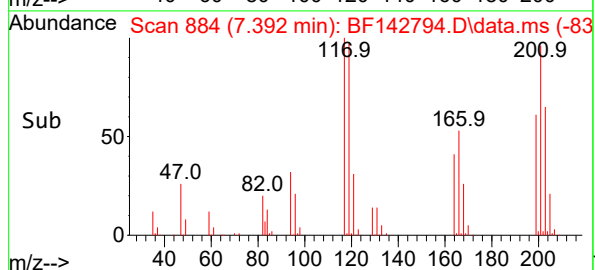
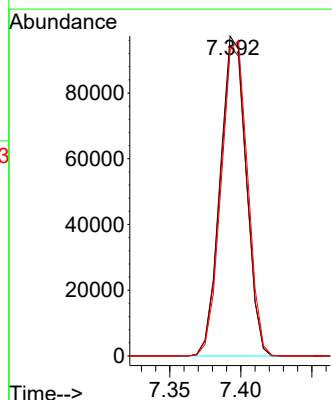
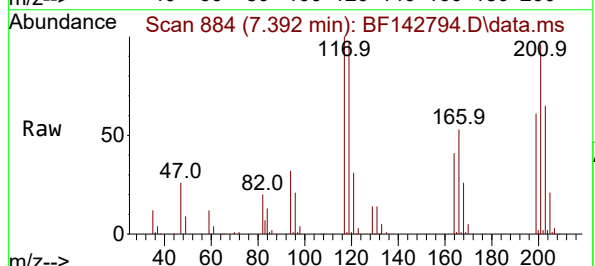
Instrument :
BNA_F
ClientSampleId :
SSTDICC060

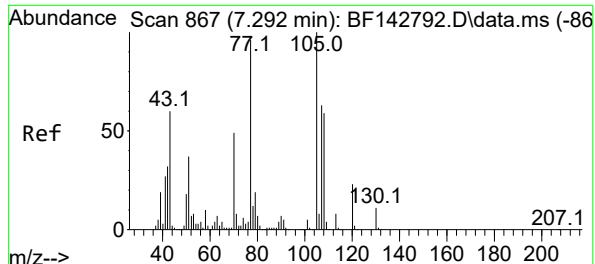
Tgt Ion:107 Resp: 242711
Ion Ratio Lower Upper
107 100
108 113.2 90.9 136.3
77 46.6 37.3 55.9
79 46.9 37.2 55.8



#18
Hexachloroethane
Concen: 56.741 ng
RT: 7.392 min Scan# 884
Delta R.T. 0.000 min
Lab File: BF142794.D
Acq: 19 Jun 2025 20:10

Tgt Ion:117 Resp: 124457
Ion Ratio Lower Upper
117 100
119 97.0 75.4 113.0
201 95.6 75.9 113.9





#19

n-Nitroso-di-n-propylamine

Concen: 56.123 ng

RT: 7.304 min Scan# 869

Delta R.T. 0.012 min

Lab File: BF142794.D

Acq: 19 Jun 2025 20:10

Instrument :

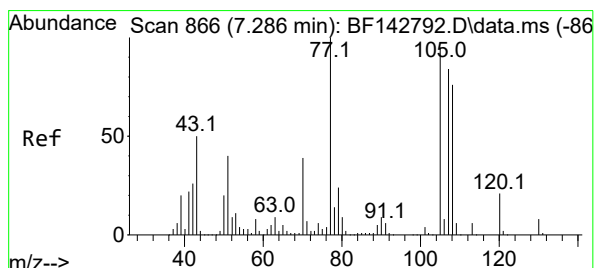
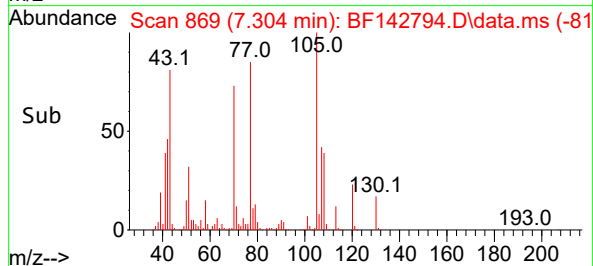
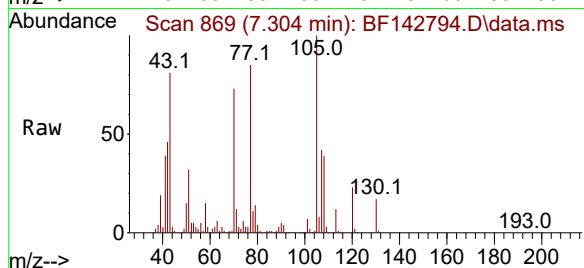
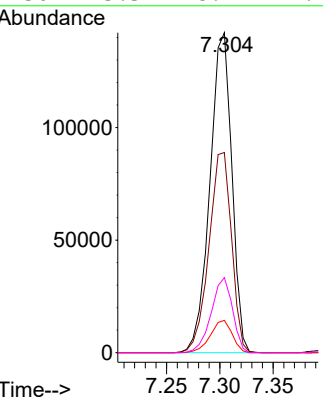
BNA_F

ClientSampleId :

SSTDICC060

Tgt Ion: 70 Resp: 202914

Ion	Ratio	Lower	Upper
70	100		
42	62.6	52.1	78.1
101	10.1	8.2	12.2
130	23.5	18.2	27.2



#20

3+4-Methylphenols

Concen: 58.442 ng

RT: 7.292 min Scan# 867

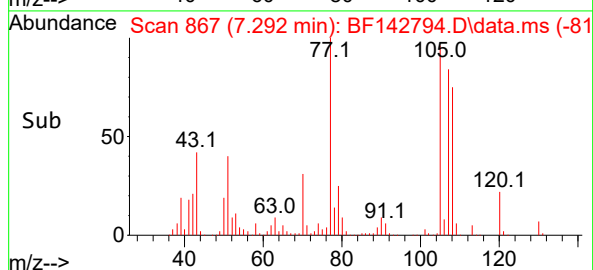
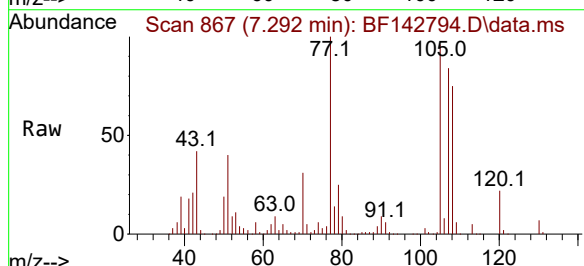
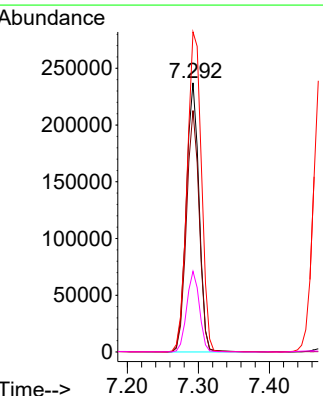
Delta R.T. 0.006 min

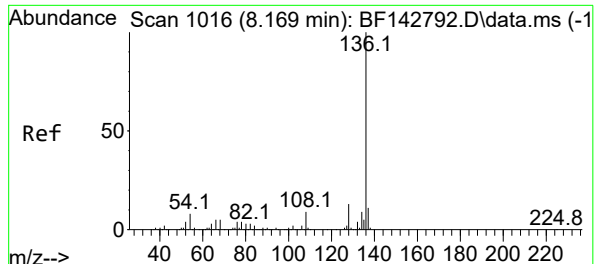
Lab File: BF142794.D

Acq: 19 Jun 2025 20:10

Tgt Ion:107 Resp: 298960

Ion	Ratio	Lower	Upper
107	100		
108	89.7	70.0	110.0
77	118.9	98.5	138.5
79	30.0	8.8	48.8





#21

Naphthalene-d8

Concen: 20.000 ng

RT: 8.169 min Scan# 1016

Delta R.T. 0.000 min

Lab File: BF142794.D

Acq: 19 Jun 2025 20:10

Instrument :

BNA_F

ClientSampleId :

SSTDICC060

Tgt Ion:136 Resp: 313390

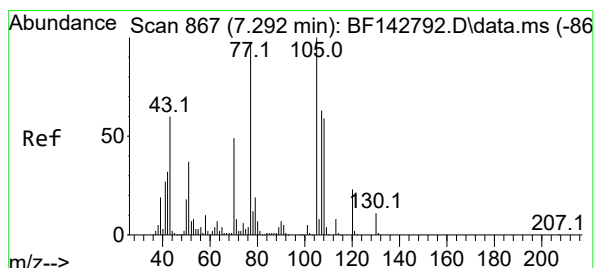
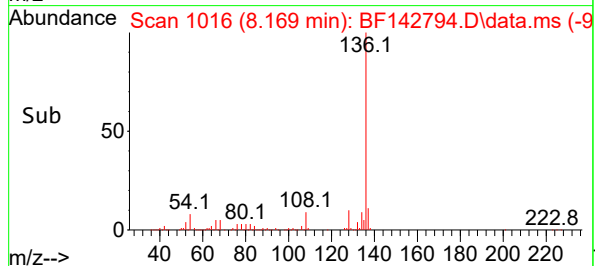
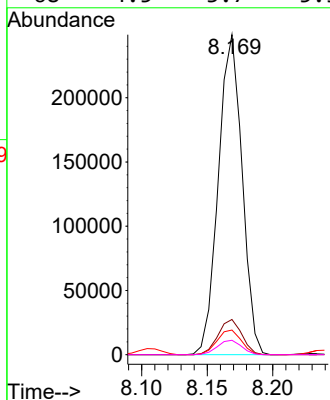
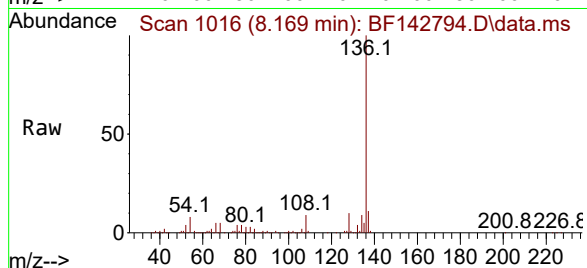
Ion Ratio Lower Upper

136 100

137 11.0 8.4 12.6

54 7.7 6.3 9.5

68 4.5 3.7 5.5



#22

Acetophenone

Concen: 58.063 ng

RT: 7.298 min Scan# 868

Delta R.T. 0.006 min

Lab File: BF142794.D

Acq: 19 Jun 2025 20:10

Tgt Ion:105 Resp: 402615

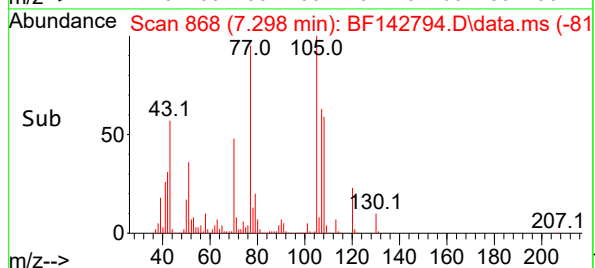
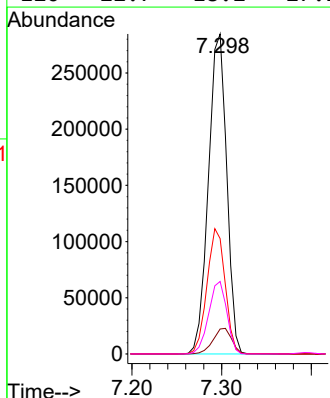
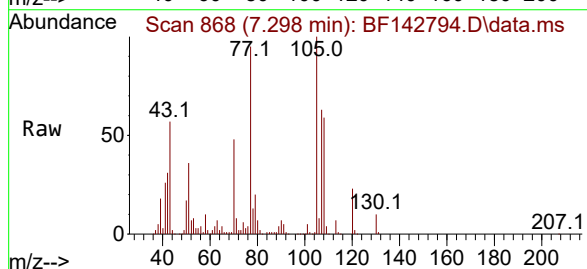
Ion Ratio Lower Upper

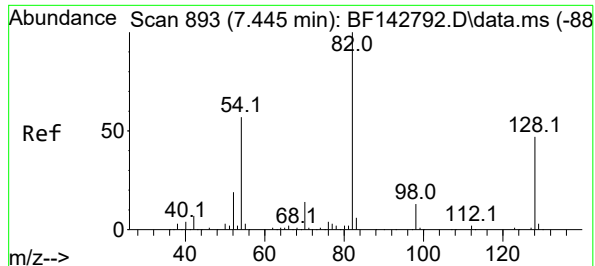
105 100

71 7.8 6.5 9.7

51 36.1 29.8 44.8

120 22.7 18.2 27.2





#23

Nitrobenzene-d5

Concen: 119.003 ng

RT: 7.451 min Scan# 894

Delta R.T. 0.006 min

Lab File: BF142794.D

Acq: 19 Jun 2025 20:10

Instrument :

BNA_F

ClientSampleId :

SSTDICC060

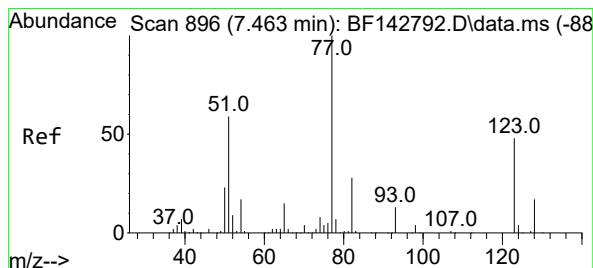
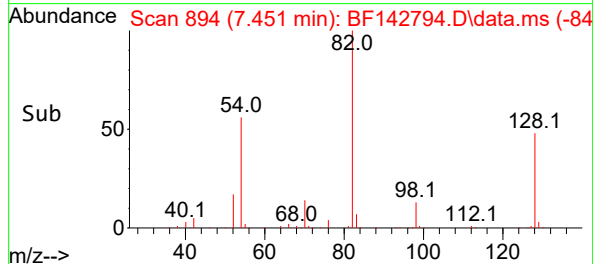
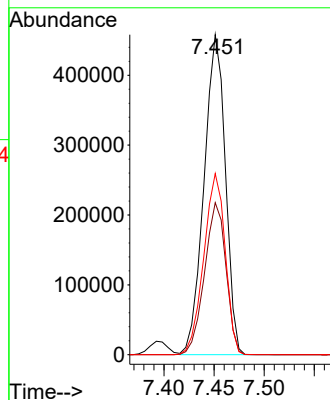
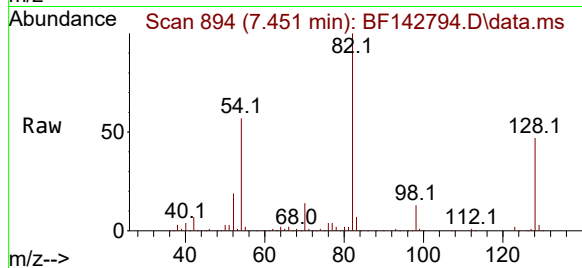
Tgt Ion: 82 Resp: 680402

Ion Ratio Lower Upper

82 100

128 47.5 37.7 56.5

54 56.6 45.7 68.5



#24

Nitrobenzene

Concen: 60.229 ng

RT: 7.469 min Scan# 897

Delta R.T. 0.006 min

Lab File: BF142794.D

Acq: 19 Jun 2025 20:10

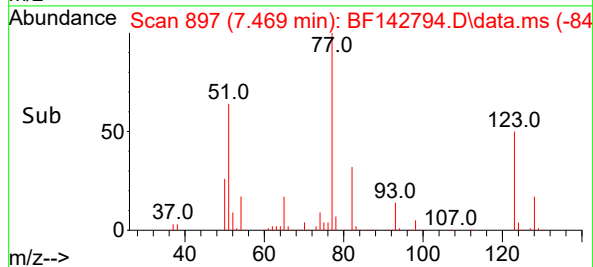
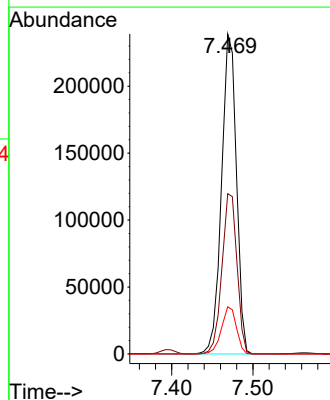
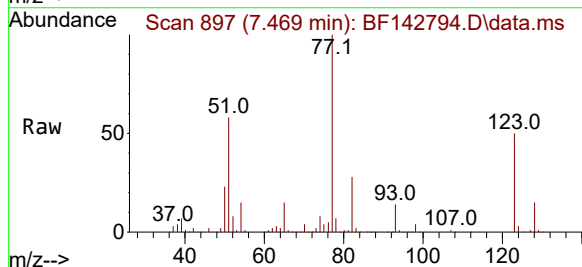
Tgt Ion: 77 Resp: 306032

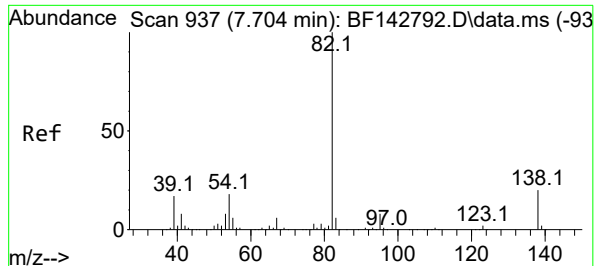
Ion Ratio Lower Upper

77 100

123 50.1 39.2 58.8

65 14.7 11.6 17.4

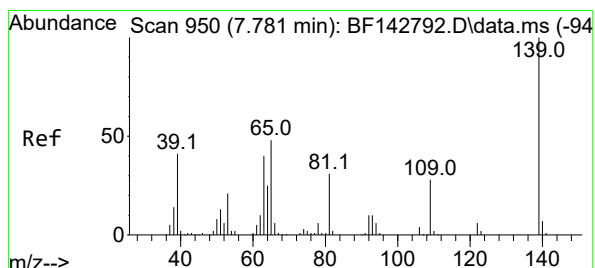
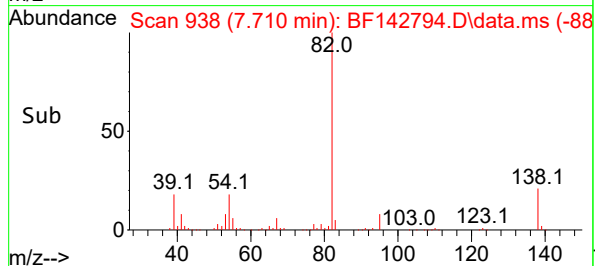
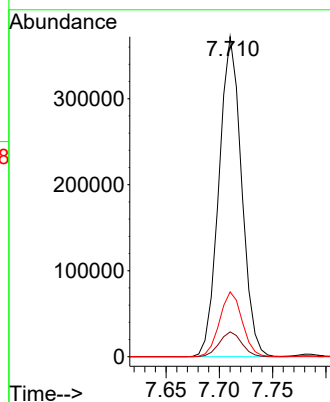
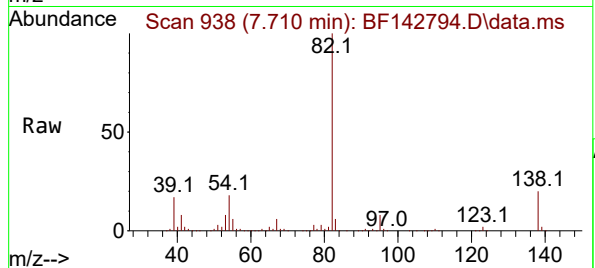




#25
Isophorone
Concen: 57.216 ng
RT: 7.710 min Scan# 910
Delta R.T. 0.006 min
Lab File: BF142794.D
Acq: 19 Jun 2025 20:10

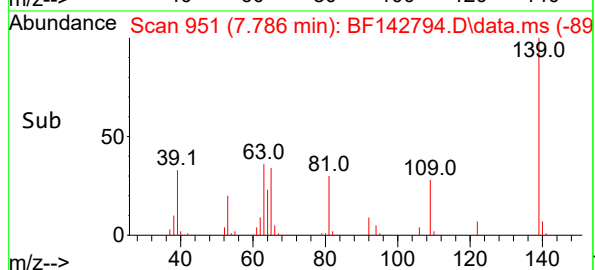
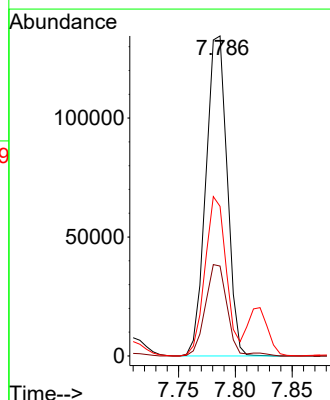
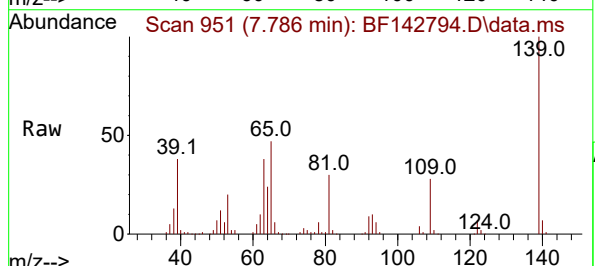
Instrument :
BNA_F
ClientSampleId :
SSTDIC060

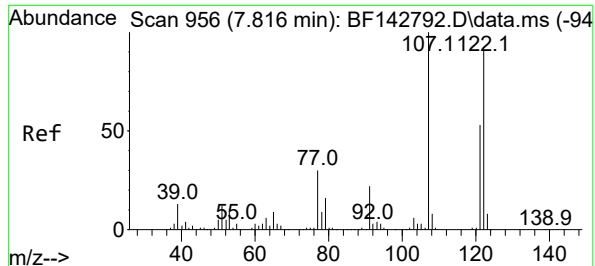
Tgt Ion: 82 Resp: 548612
Ion Ratio Lower Upper
82 100
95 7.8 6.2 9.2
138 20.3 16.2 24.4



#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

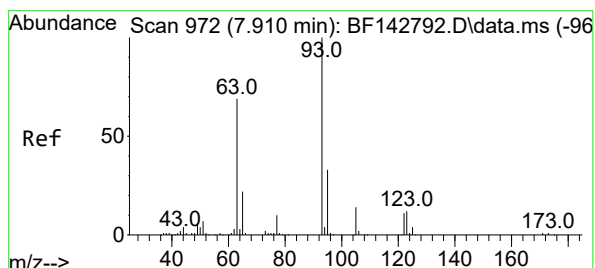
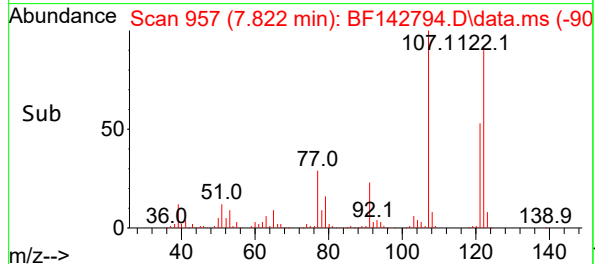
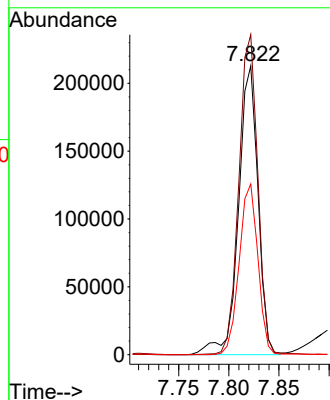
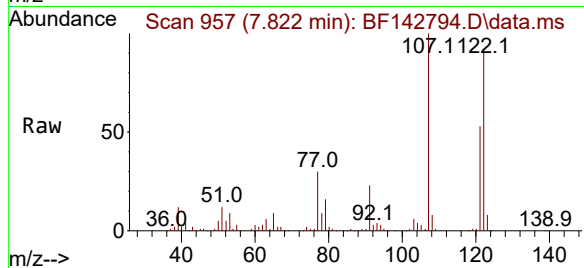
Tgt Ion:122 Resp: 288532

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

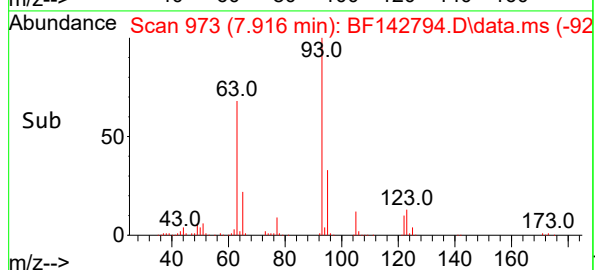
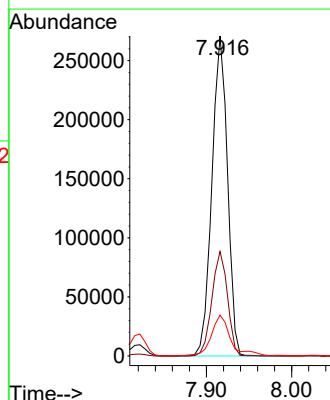
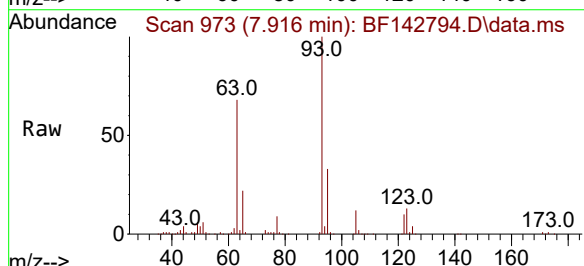
Tgt Ion: 93 Resp: 343925

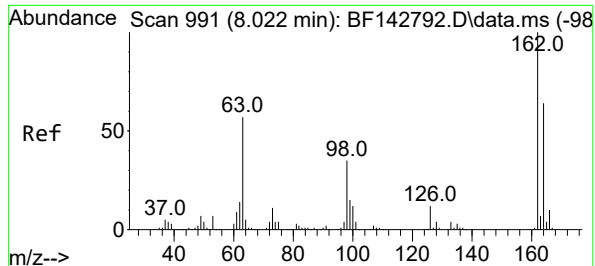
Ion Ratio Lower Upper

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

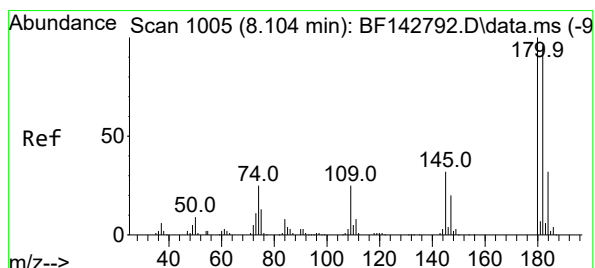
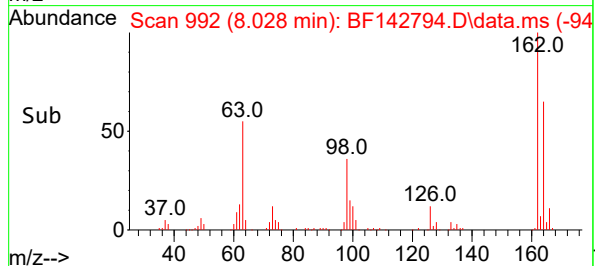
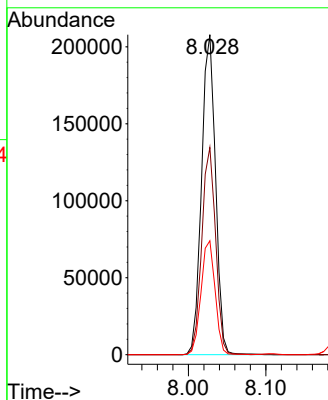
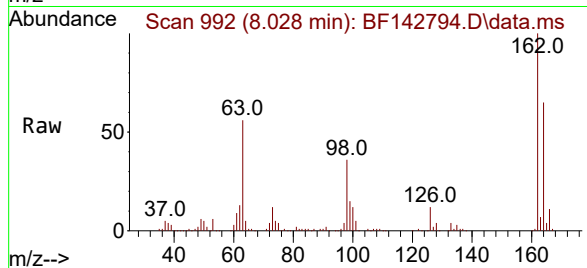
Tgt Ion:162 Resp: 260228

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

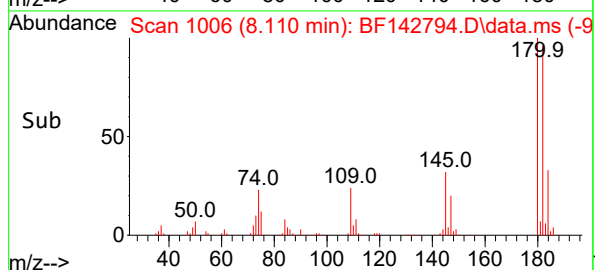
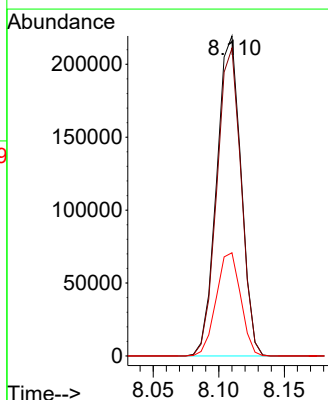
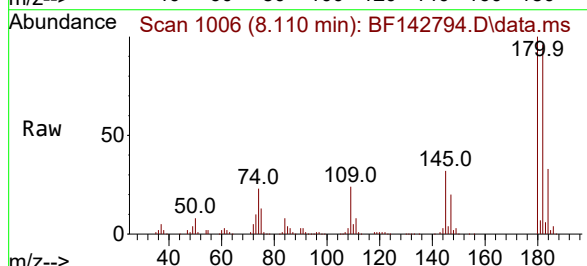
Tgt Ion:180 Resp: 282721

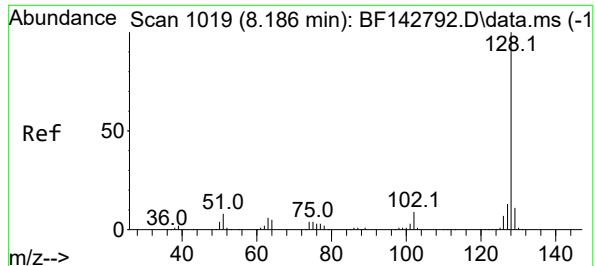
Ion Ratio Lower Upper

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# 1019

Delta R.T. 0.006 min

Lab File: BF142794.D

Acq: 19 Jun 2025 20:10

Instrument :

BNA_F

ClientSampleId :

SSTDICC060

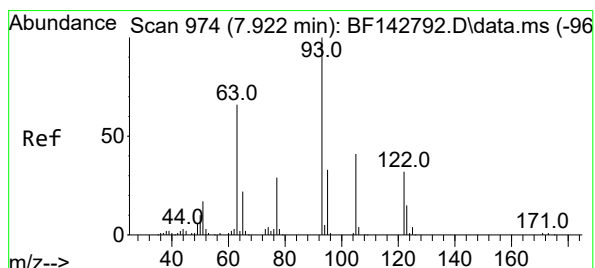
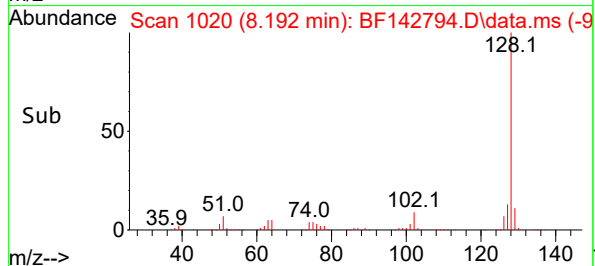
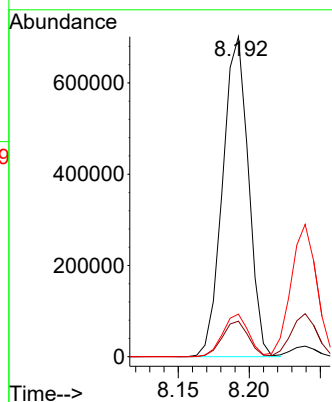
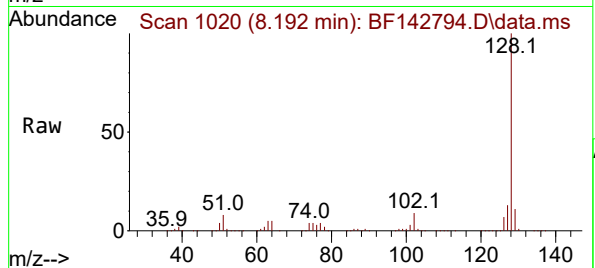
Tgt Ion:128 Resp: 886614

Ion Ratio Lower Upper

128 100

129 11.1 8.9 13.3

127 13.3 10.4 15.6



#32

Benzoic acid

Concen: 63.369 ng

RT: 7.945 min Scan# 978

Delta R.T. 0.024 min

Lab File: BF142794.D

Acq: 19 Jun 2025 20:10

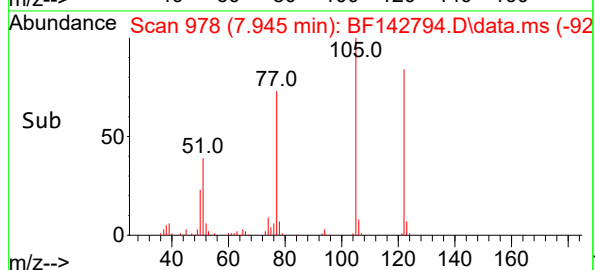
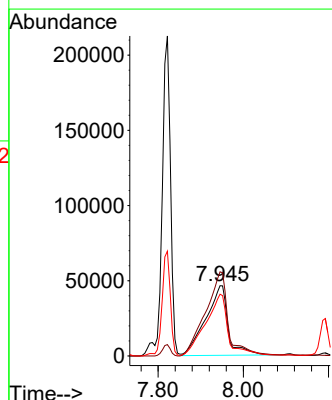
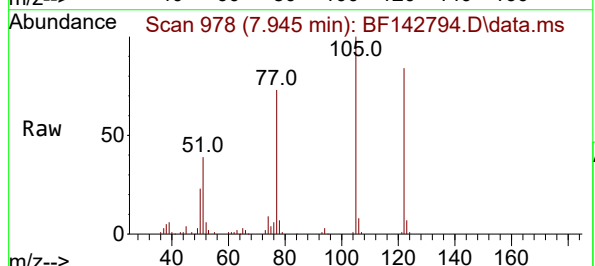
Tgt Ion:122 Resp: 169471

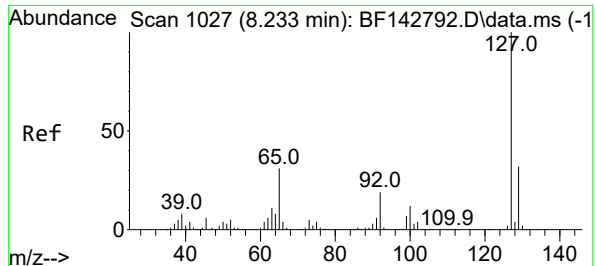
Ion Ratio Lower Upper

122 100

105 119.7 104.7 144.7

77 87.9 70.2 110.2





#33

4-Chloroaniline

Concen: 59.887 ng

RT: 8.239 min Scan# 1028

Delta R.T. 0.006 min

Lab File: BF142794.D

Acq: 19 Jun 2025 20:10

Instrument :

BNA_F

ClientSampleId :

SSTDICC060

Tgt Ion:127 Resp: 369911

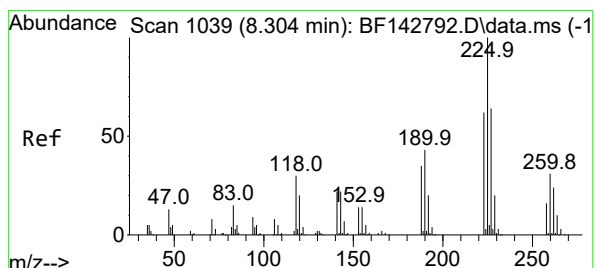
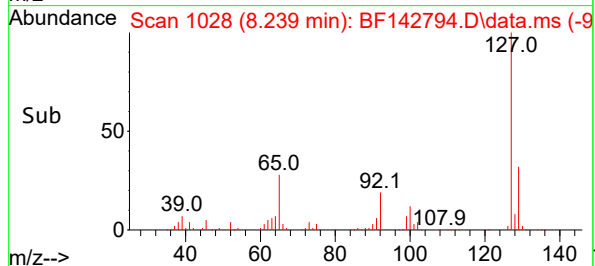
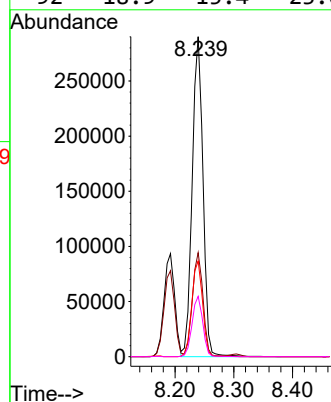
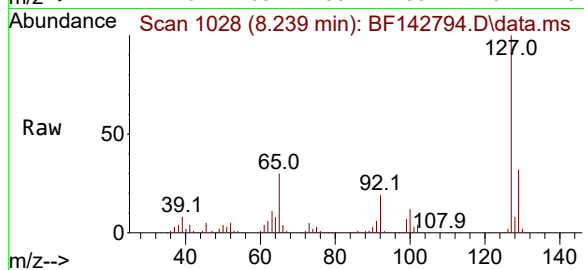
Ion Ratio Lower Upper

127 100

129 32.5 25.9 38.9

65 29.9 24.6 36.8

92 18.9 15.4 23.0



#34

Hexachlorobutadiene

Concen: 55.768 ng

RT: 8.304 min Scan# 1039

Delta R.T. 0.000 min

Lab File: BF142794.D

Acq: 19 Jun 2025 20:10

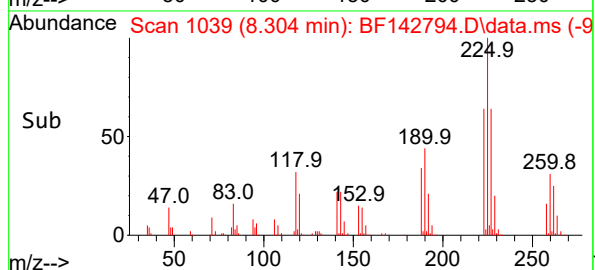
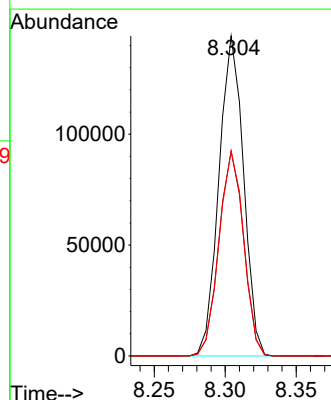
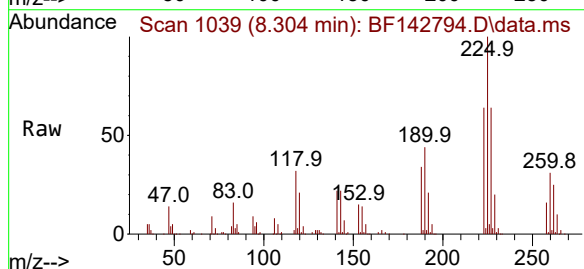
Tgt Ion:225 Resp: 173425

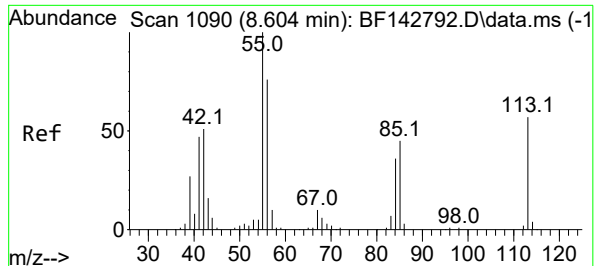
Ion Ratio Lower Upper

225 100

223 64.0 49.9 74.9

227 64.0 51.4 77.0





#35

Caprolactam

Concen: 61.157 ng

RT: 8.622 min Scan# 1109

Delta R.T. 0.018 min

Lab File: BF142794.D

Acq: 19 Jun 2025 20:10

Instrument :

BNA_F

ClientSampleId :

SSTDICC060

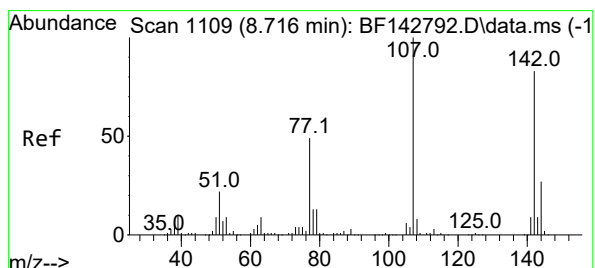
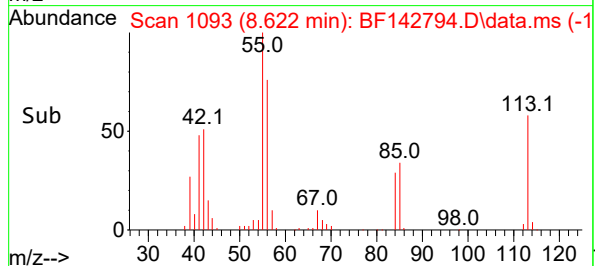
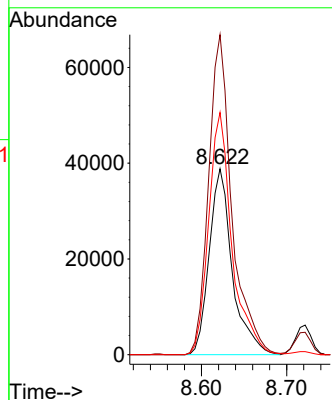
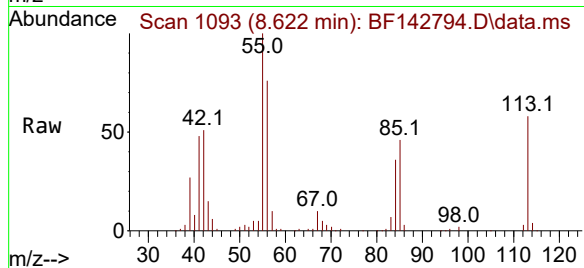
Tgt Ion:113 Resp: 73108

Ion Ratio Lower Upper

113 100

55 172.2 154.4 194.4

56 130.3 112.1 152.1



#36

4-Chloro-3-methylphenol

Concen: 56.927 ng

RT: 8.722 min Scan# 1110

Delta R.T. 0.006 min

Lab File: BF142794.D

Acq: 19 Jun 2025 20:10

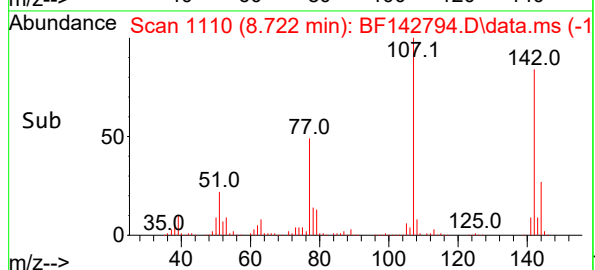
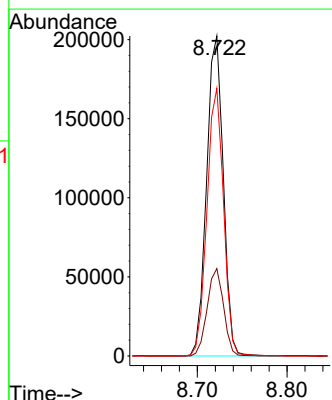
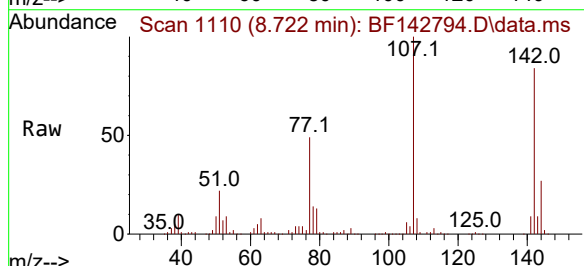
Tgt Ion:107 Resp: 261249

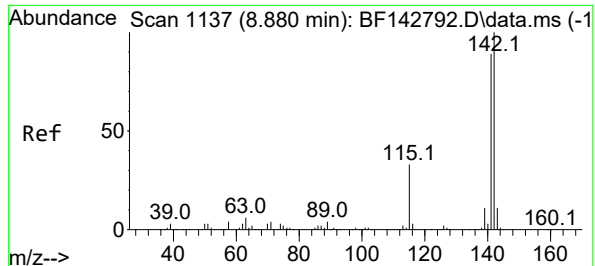
Ion Ratio Lower Upper

107 100

144 27.3 21.3 31.9

142 83.6 66.6 100.0





#37

2-Methylnaphthalene

Concen: 56.406 ng

RT: 8.881 min Scan# 1137

Delta R.T. 0.000 min

Lab File: BF142794.D

Acq: 19 Jun 2025 20:10

Instrument :

BNA_F

ClientSampleId :

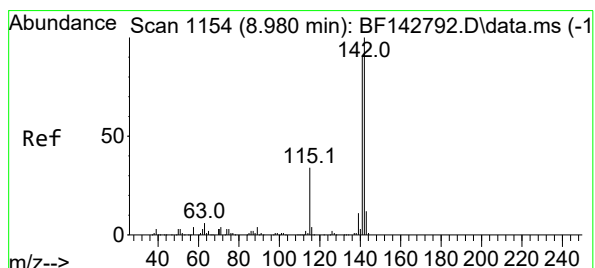
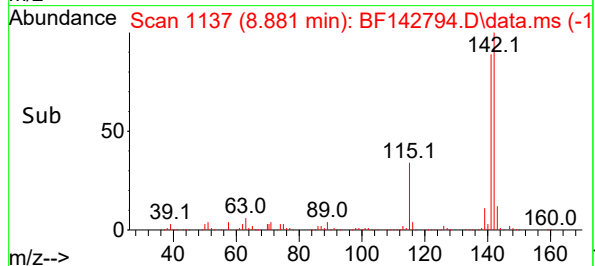
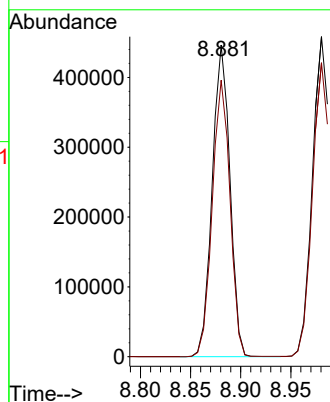
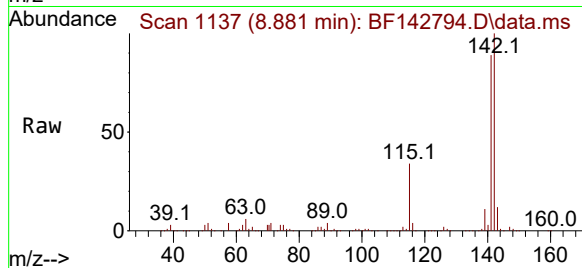
SSTDICC060

Tgt Ion:142 Resp: 548439

Ion Ratio Lower Upper

142 100

141 88.7 70.9 106.3



#38

1-Methylnaphthalene

Concen: 56.247 ng

RT: 8.980 min Scan# 1154

Delta R.T. 0.000 min

Lab File: BF142794.D

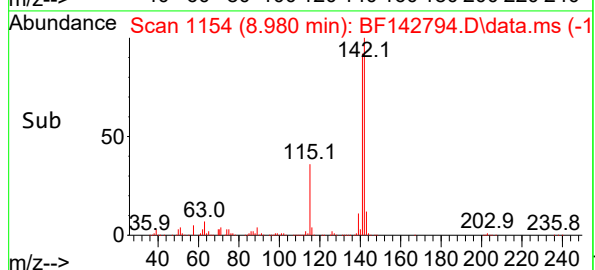
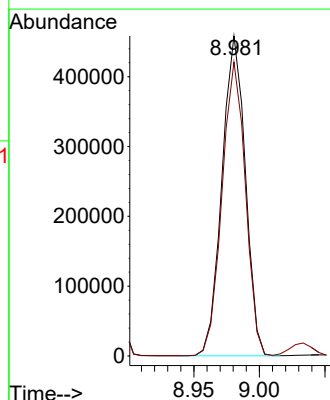
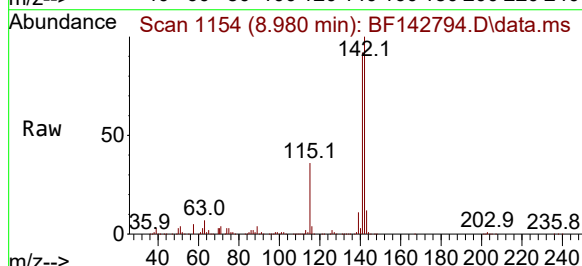
Acq: 19 Jun 2025 20:10

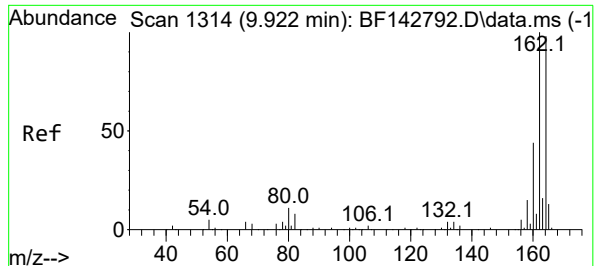
Tgt Ion:142 Resp: 567801

Ion Ratio Lower Upper

142 100

141 91.8 73.0 109.4





#39

Acenaphthene-d10

Concen: 20.000 ng

RT: 9.928 min Scan# 1115

Delta R.T. 0.006 min

Lab File: BF142794.D

Acq: 19 Jun 2025 20:10

Instrument :

BNA_F

ClientSampleId :

SSTDICC060

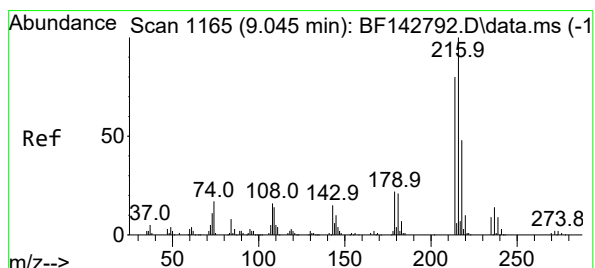
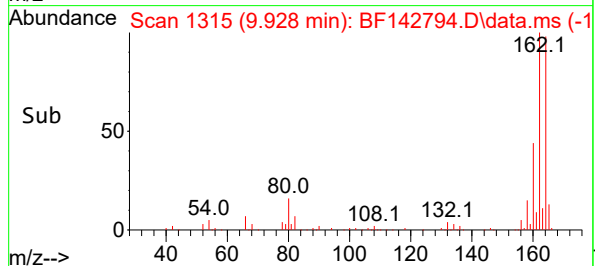
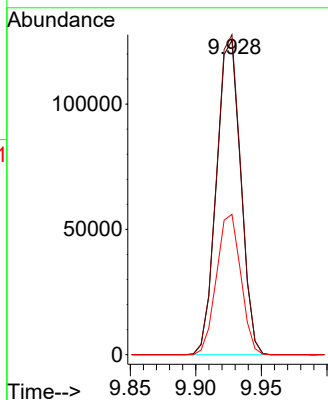
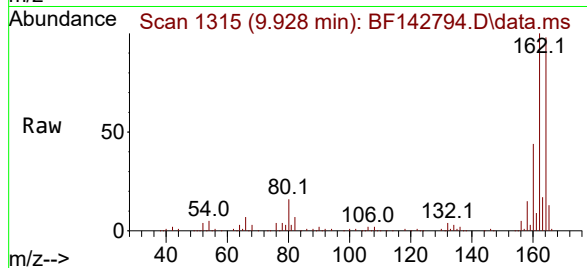
Tgt Ion:164 Resp: 161044

Ion Ratio Lower Upper

164 100

162 101.9 81.8 122.8

160 44.7 36.0 54.0



#40

1,2,4,5-Tetrachlorobenzene

Concen: 59.918 ng

RT: 9.045 min Scan# 1165

Delta R.T. 0.000 min

Lab File: BF142794.D

Acq: 19 Jun 2025 20:10

Tgt Ion:216 Resp: 278551

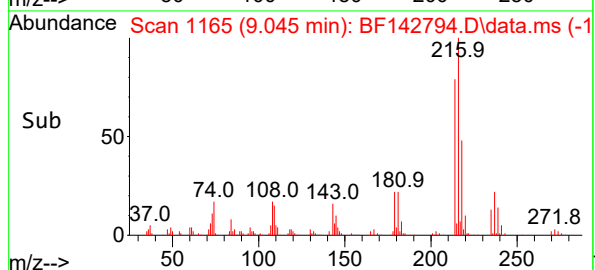
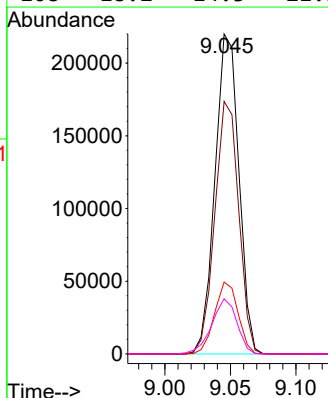
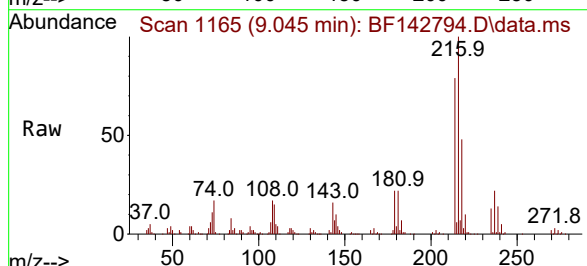
Ion Ratio Lower Upper

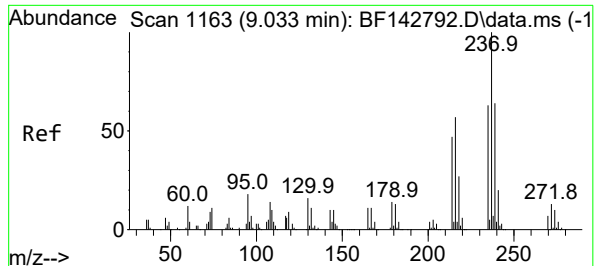
216 100

214 78.8 63.7 95.5

179 22.1 17.6 26.4

108 18.2 14.3 21.5

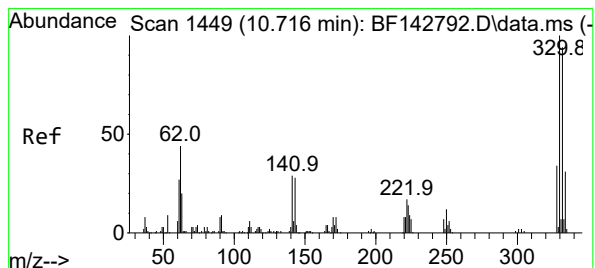
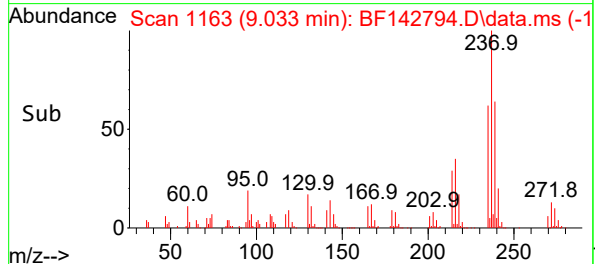
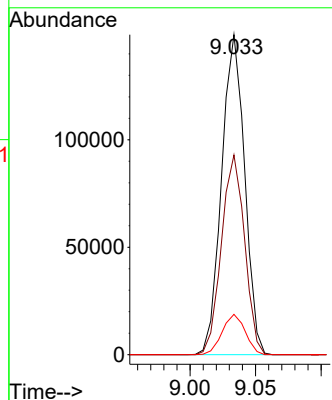
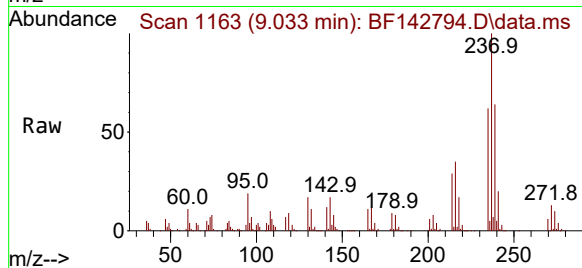




#41
Hexachlorocyclopentadiene
Concen: 61.835 ng
RT: 9.033 min Scan# 1163
Delta R.T. 0.000 min
Lab File: BF142794.D
Acq: 19 Jun 2025 20:10

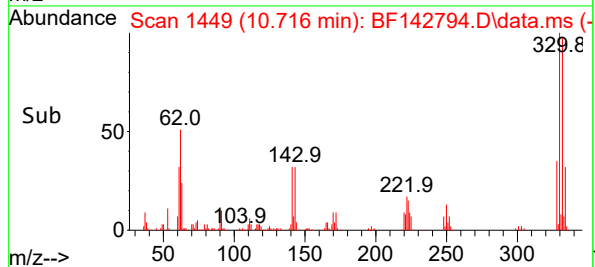
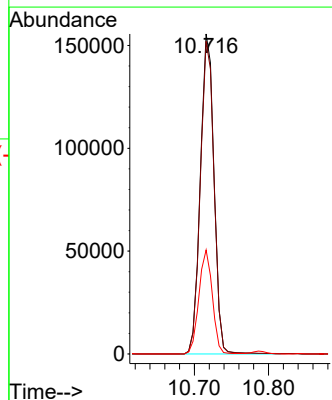
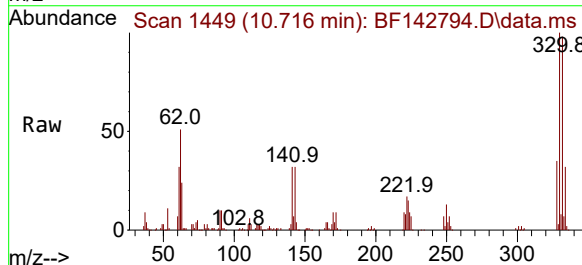
Instrument :
BNA_F
ClientSampleId :
SSTDICC060

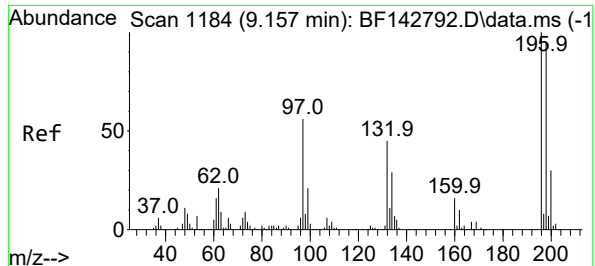
Tgt Ion:237 Resp: 181771
Ion Ratio Lower Upper
237 100
235 62.4 43.4 83.4
272 12.6 0.0 32.7



#42
2,4,6-Tribromophenol
Concen: 113.541 ng
RT: 10.716 min Scan# 1449
Delta R.T. 0.000 min
Lab File: BF142794.D
Acq: 19 Jun 2025 20:10

Tgt Ion:330 Resp: 198721
Ion Ratio Lower Upper
330 100
332 98.3 75.0 112.6
141 32.0 25.3 37.9





#43

2,4,6-Trichlorophenol

Concen: 62.392 ng

RT: 9.157 min Scan# 1184

Delta R.T. 0.000 min

Lab File: BF142794.D

Acq: 19 Jun 2025 20:10

Instrument :

BNA_F

ClientSampleId :

SSTDICC060

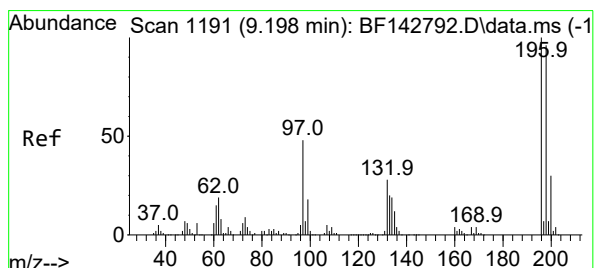
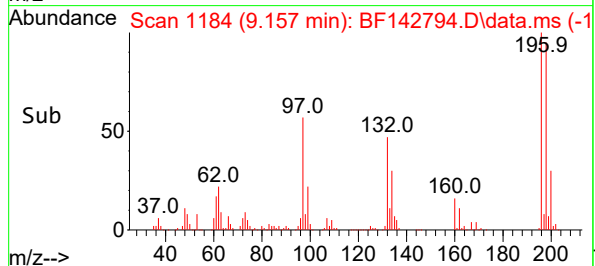
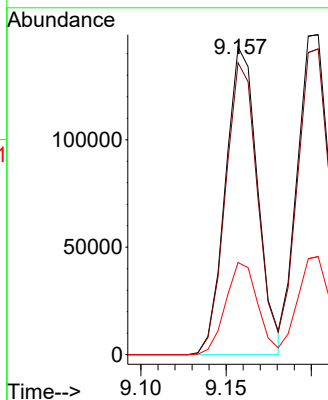
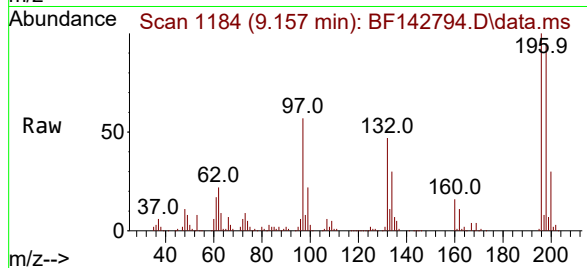
Tgt Ion:196 Resp: 187708

Ion Ratio Lower Upper

196 100

198 94.9 76.2 114.2

200 29.9 24.1 36.1



#44

2,4,5-Trichlorophenol

Concen: 60.565 ng

RT: 9.204 min Scan# 1192

Delta R.T. 0.006 min

Lab File: BF142794.D

Acq: 19 Jun 2025 20:10

Tgt Ion:196 Resp: 196769

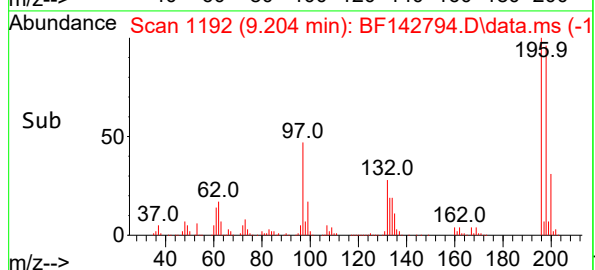
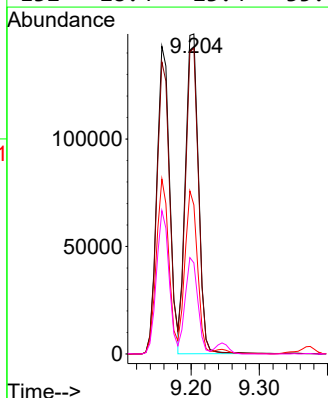
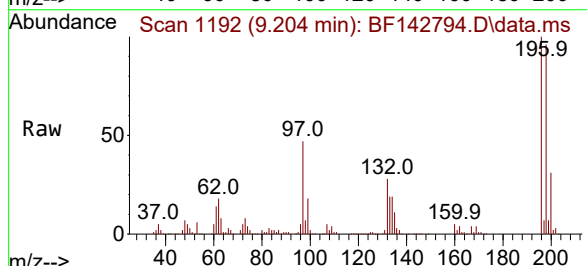
Ion Ratio Lower Upper

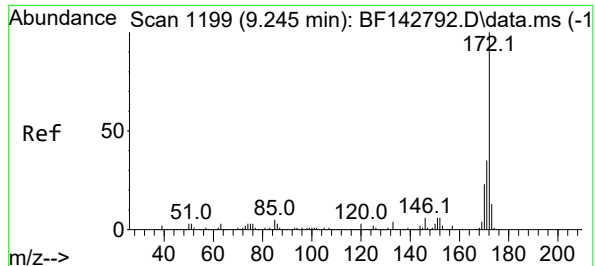
196 100

198 95.6 76.6 115.0

97 46.6 38.2 57.2

132 28.4 23.4 35.0





#45

2-Fluorobiphenyl

Concen: 112.392 ng

RT: 9.245 min Scan# 1199

Delta R.T. 0.000 min

Lab File: BF142794.D

Acq: 19 Jun 2025 20:10

Instrument :

BNA_F

ClientSampleId :

SSTDICC060

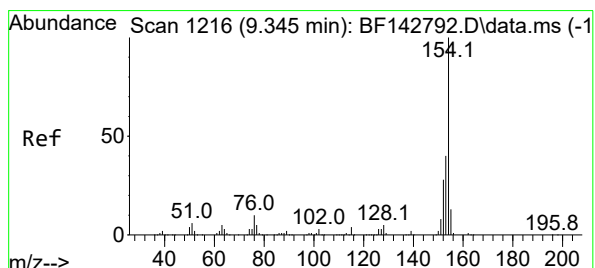
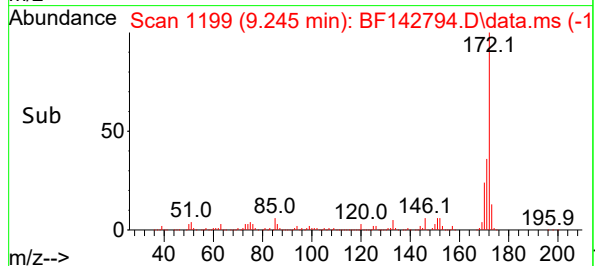
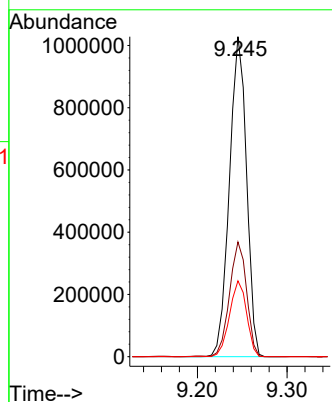
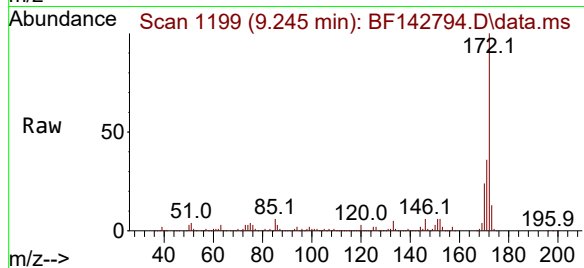
Tgt Ion:172 Resp: 1360586

Ion Ratio Lower Upper

172 100

171 35.9 28.2 42.4

170 23.7 18.5 27.7



#46

1,1'-Biphenyl

Concen: 58.937 ng

RT: 9.345 min Scan# 1216

Delta R.T. 0.000 min

Lab File: BF142794.D

Acq: 19 Jun 2025 20:10

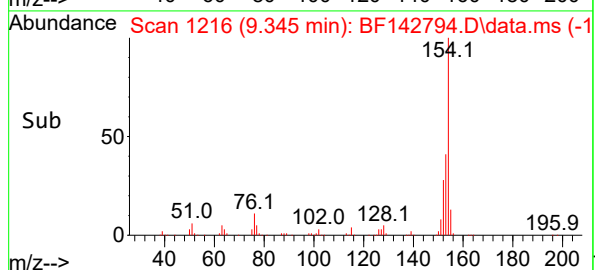
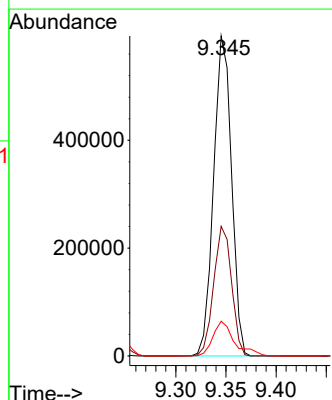
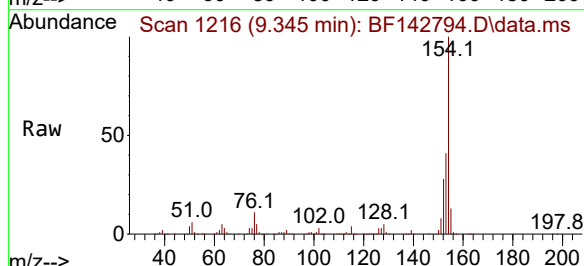
Tgt Ion:154 Resp: 736970

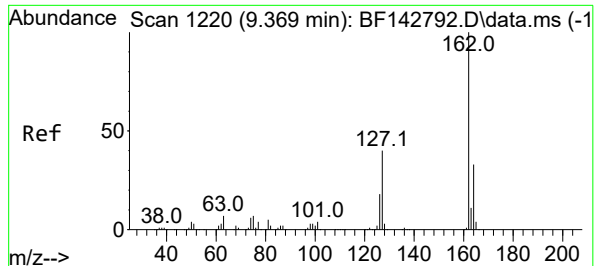
Ion Ratio Lower Upper

154 100

153 40.5 20.3 60.3

76 10.9 0.0 30.3





#47

2-Chloronaphthalene

Concen: 59.966 ng

RT: 9.375 min Scan# 11

Delta R.T. 0.006 min

Lab File: BF142794.D

Acq: 19 Jun 2025 20:10

Instrument :

BNA_F

ClientSampleId :

SSTDICC060

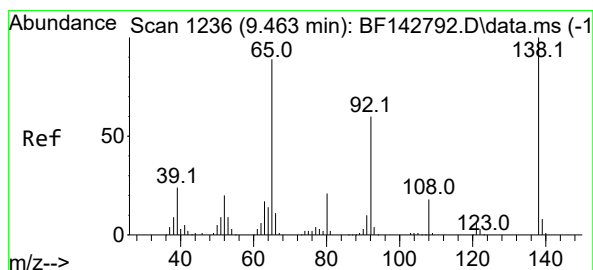
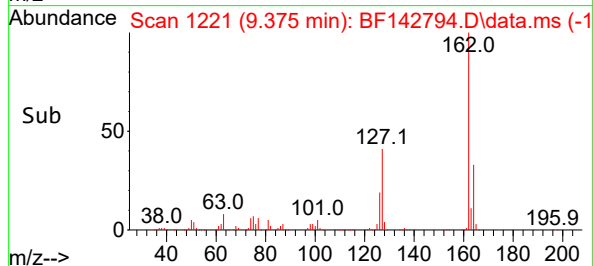
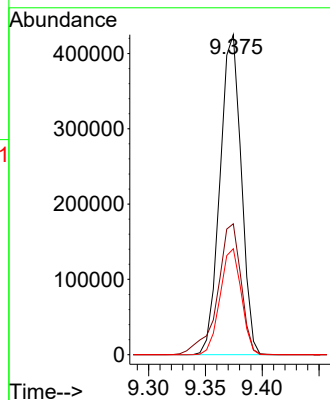
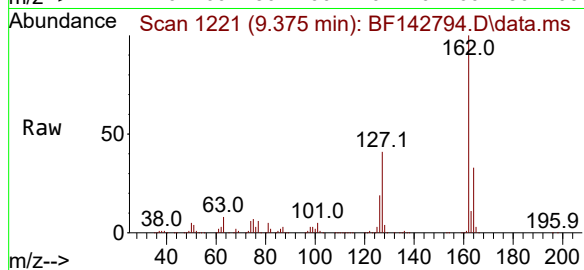
Tgt Ion:162 Resp: 553304

Ion Ratio Lower Upper

162 100

127 40.9 32.2 48.2

164 33.1 26.1 39.1



#48

2-Nitroaniline

Concen: 62.067 ng

RT: 9.469 min Scan# 1237

Delta R.T. 0.006 min

Lab File: BF142794.D

Acq: 19 Jun 2025 20:10

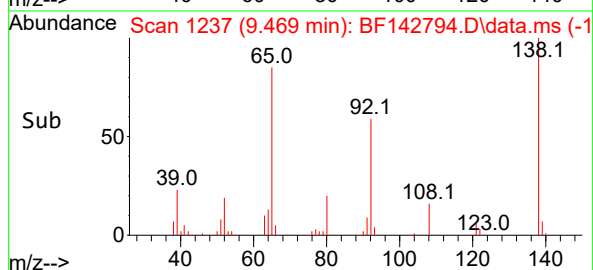
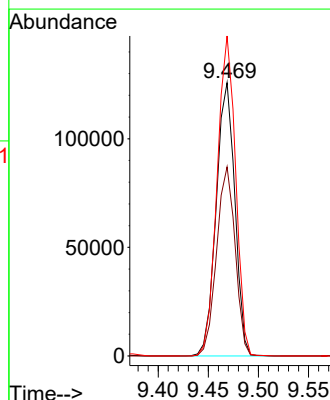
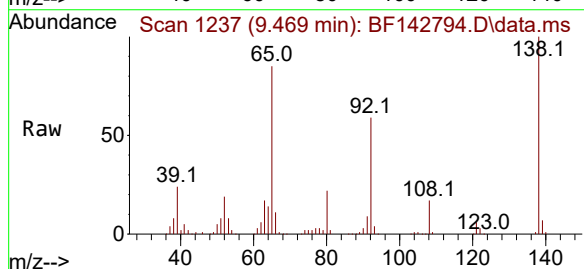
Tgt Ion: 65 Resp: 162701

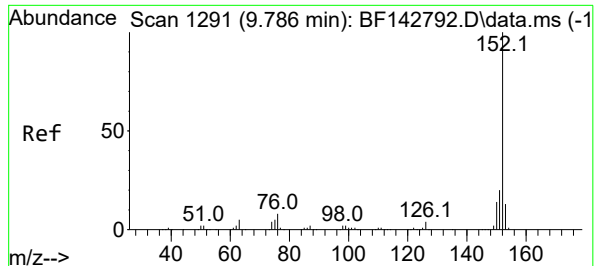
Ion Ratio Lower Upper

65 100

92 69.2 53.8 80.6

138 117.1 89.6 134.4





#49

Acenaphthylene

Concen: 58.892 ng

RT: 9.786 min Scan# 1291

Delta R.T. 0.000 min

Lab File: BF142794.D

Acq: 19 Jun 2025 20:10

Instrument :

BNA_F

ClientSampleId :

SSTDICC060

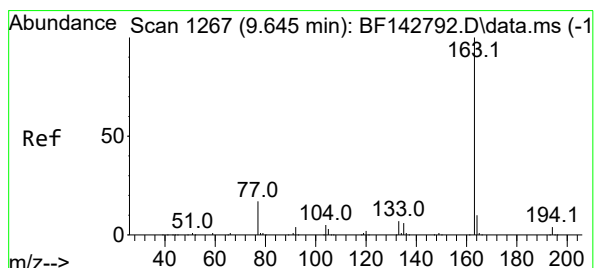
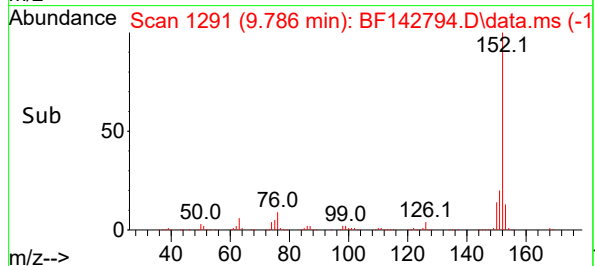
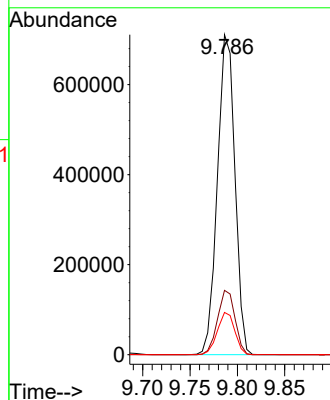
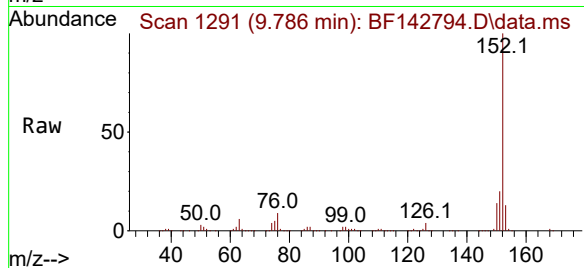
Tgt Ion:152 Resp: 913540

Ion Ratio Lower Upper

152 100

151 20.1 16.1 24.1

153 13.2 10.4 15.6



#50

Dimethylphthalate

Concen: 57.767 ng

RT: 9.651 min Scan# 1268

Delta R.T. 0.006 min

Lab File: BF142794.D

Acq: 19 Jun 2025 20:10

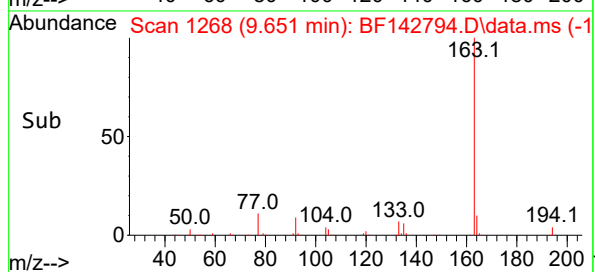
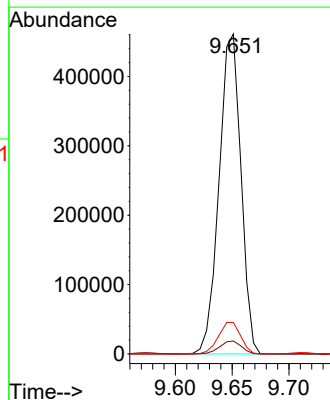
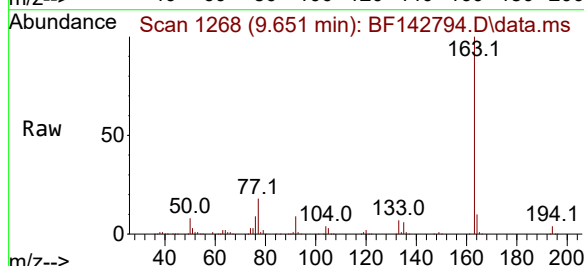
Tgt Ion:163 Resp: 617097

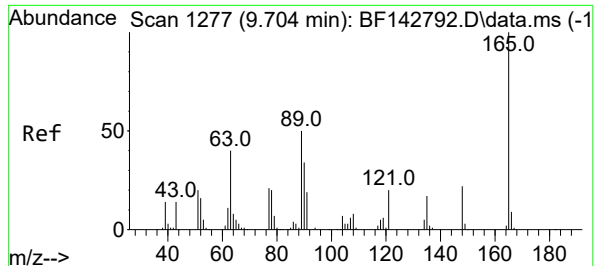
Ion Ratio Lower Upper

163 100

194 4.1 3.3 4.9

164 9.9 8.0 12.0

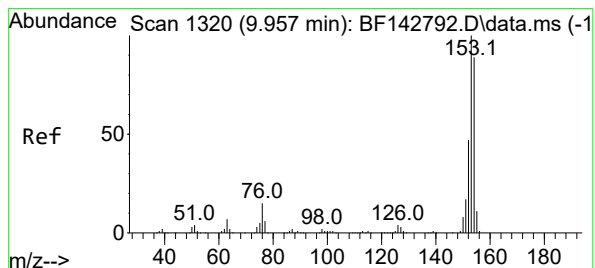
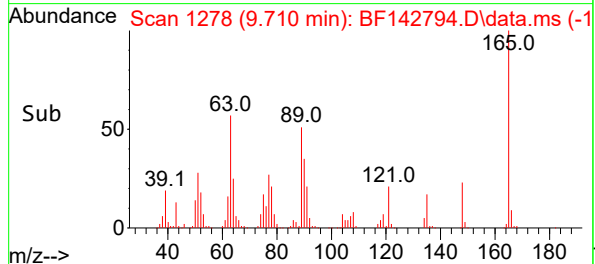
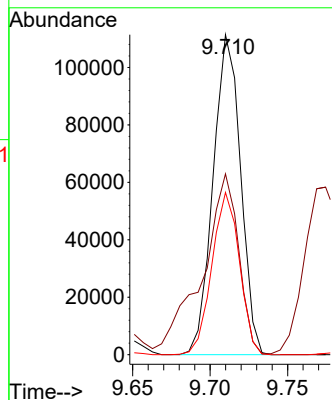
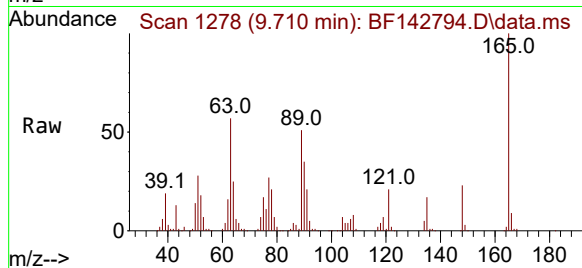




#51
2,6-Dinitrotoluene
Concen: 59.299 ng
RT: 9.710 min Scan# 1278
Delta R.T. 0.006 min
Lab File: BF142794.D
Acq: 19 Jun 2025 20:10

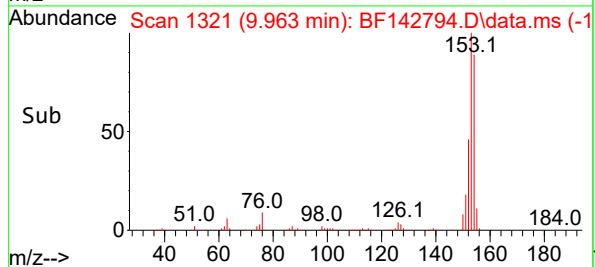
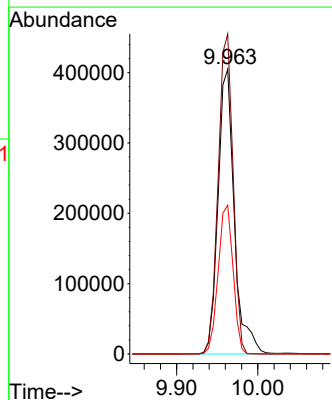
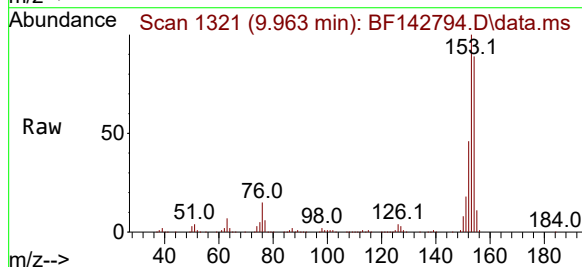
Instrument :
BNA_F
ClientSampleId :
SSTDICC060

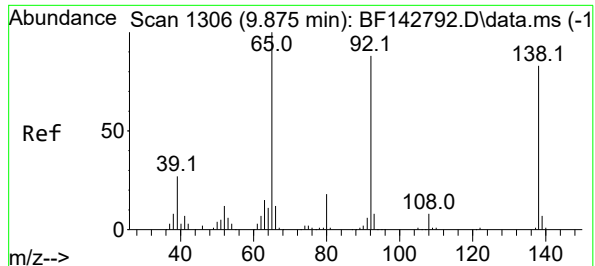
Tgt Ion:165 Resp: 137318
Ion Ratio Lower Upper
165 100
63 56.5 44.2 66.4
89 50.7 39.8 59.8



#52
Acenaphthene
Concen: 58.980 ng
RT: 9.963 min Scan# 1321
Delta R.T. 0.006 min
Lab File: BF142794.D
Acq: 19 Jun 2025 20:10

Tgt Ion:154 Resp: 566138
Ion Ratio Lower Upper
154 100
153 112.4 90.0 135.0
152 52.2 41.9 62.9





#53

3-Nitroaniline

Concen: 61.386 ng

RT: 9.880 min Scan# 11

Delta R.T. 0.006 min

Lab File: BF142794.D

Acq: 19 Jun 2025 20:10

Instrument :

BNA_F

ClientSampleId :

SSTDICC060

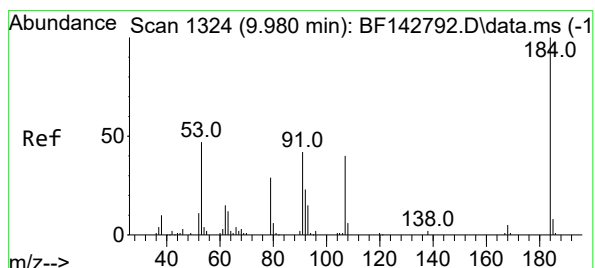
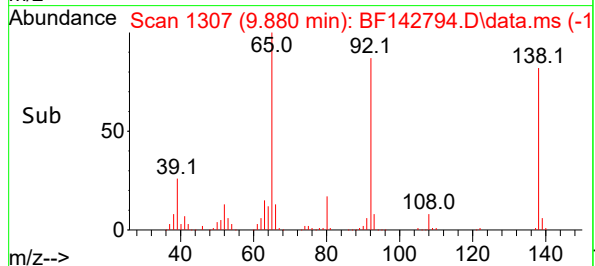
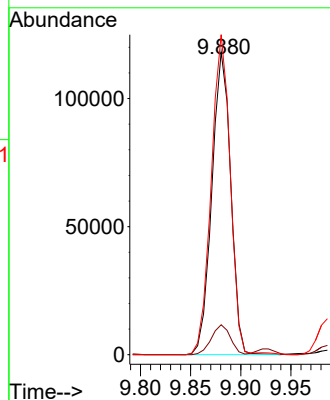
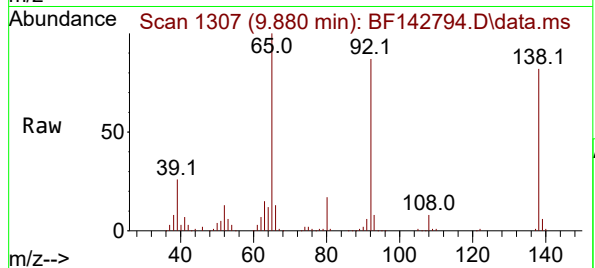
Tgt Ion:138 Resp: 154402

Ion Ratio Lower Upper

138 100

108 9.9 8.1 12.1

92 105.7 85.1 127.7



#54

2,4-Dinitrophenol

Concen: 62.843 ng

RT: 9.986 min Scan# 1325

Delta R.T. 0.006 min

Lab File: BF142794.D

Acq: 19 Jun 2025 20:10

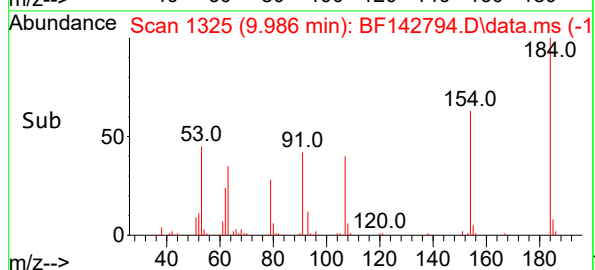
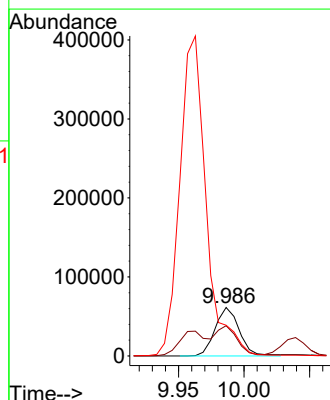
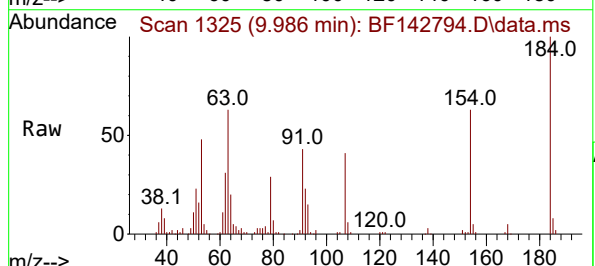
Tgt Ion:184 Resp: 78750

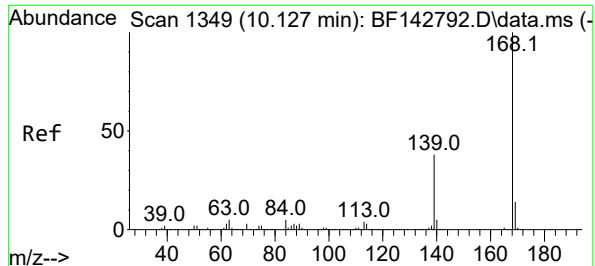
Ion Ratio Lower Upper

184 100

63 62.6 50.6 75.8

154 63.4 51.8 77.8





#55

Dibenzenofuran

Concen: 58.567 ng

RT: 10.133 min Scan# 11

Delta R.T. 0.006 min

Lab File: BF142794.D

Acq: 19 Jun 2025 20:10

Instrument :

BNA_F

ClientSampleId :

SSTDICC060

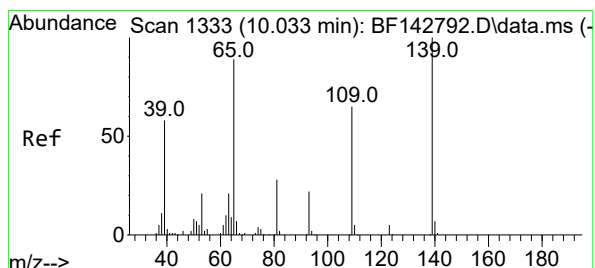
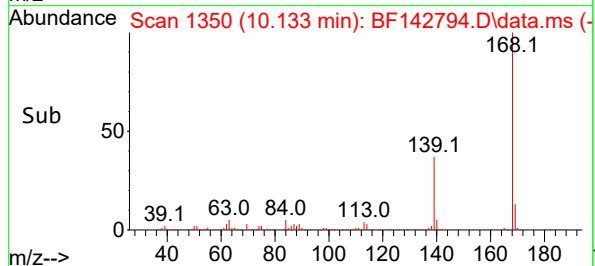
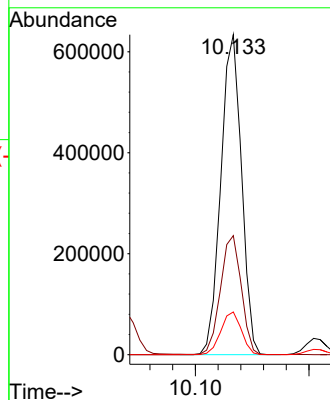
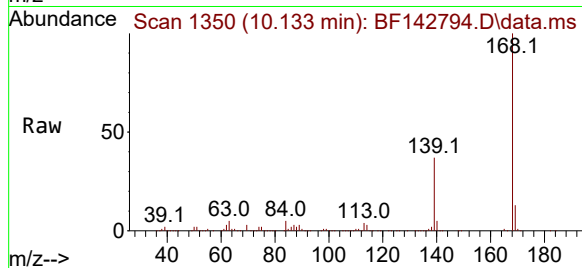
Tgt Ion:168 Resp: 802087

Ion Ratio Lower Upper

168 100

139 37.2 30.2 45.4

169 13.3 10.8 16.2



#56

4-Nitrophenol

Concen: 64.811 ng

RT: 10.039 min Scan# 1334

Delta R.T. 0.006 min

Lab File: BF142794.D

Acq: 19 Jun 2025 20:10

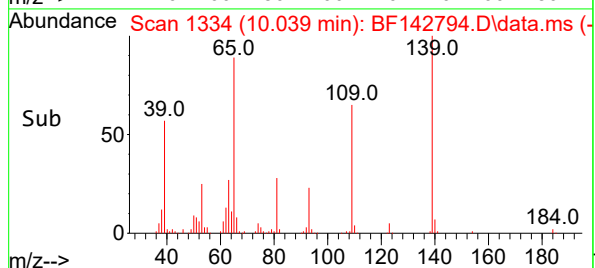
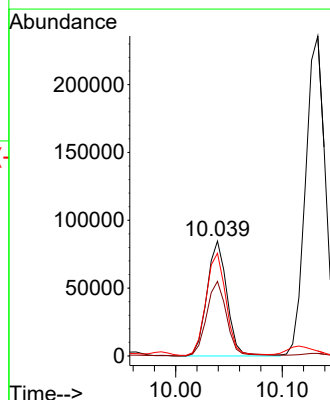
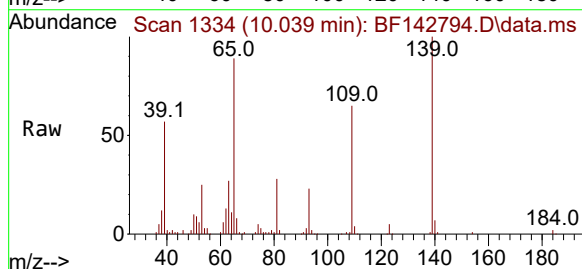
Tgt Ion:139 Resp: 110658

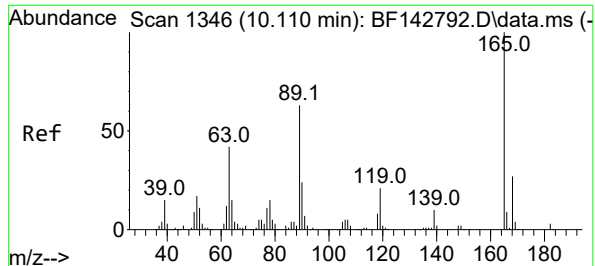
Ion Ratio Lower Upper

139 100

109 64.8 44.7 84.7

65 89.3 69.8 109.8

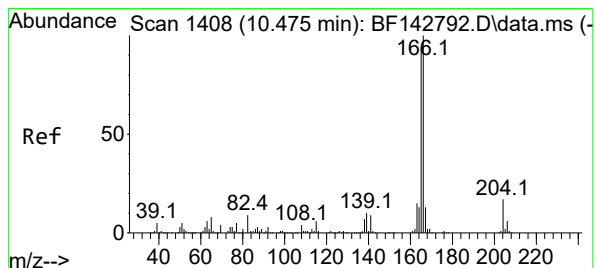
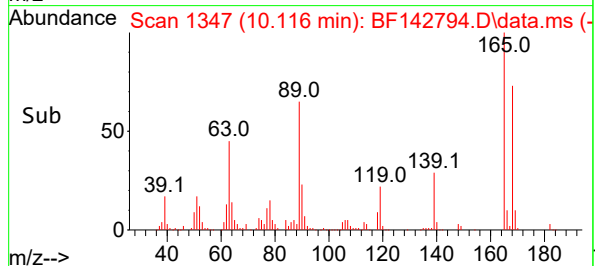
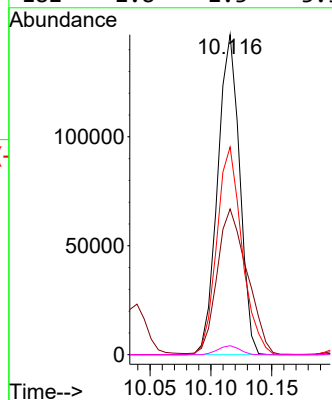
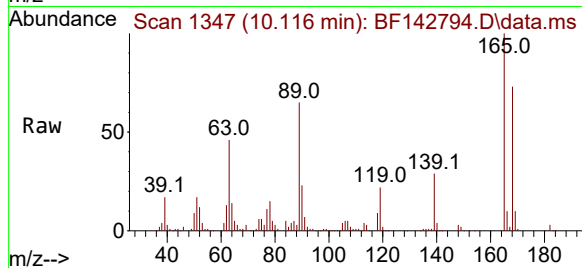




#57
2,4-Dinitrotoluene
Concen: 60.367 ng
RT: 10.116 min Scan# 1346
Delta R.T. 0.006 min
Lab File: BF142794.D
Acq: 19 Jun 2025 20:10

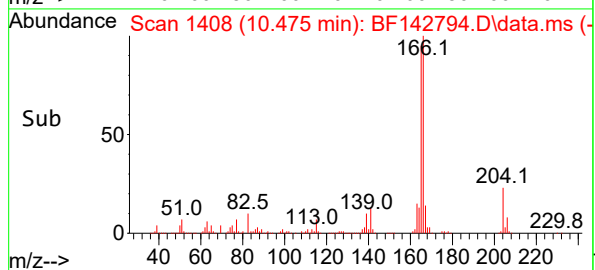
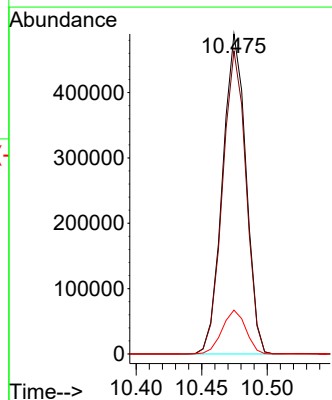
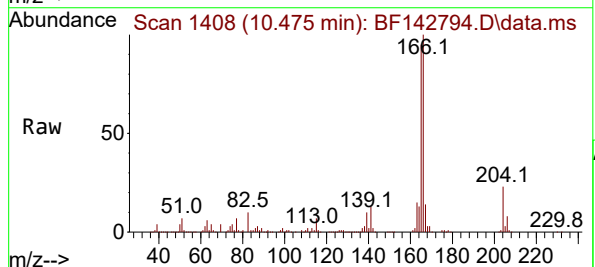
Instrument :
BNA_F
ClientSampleId :
SSTDICC060

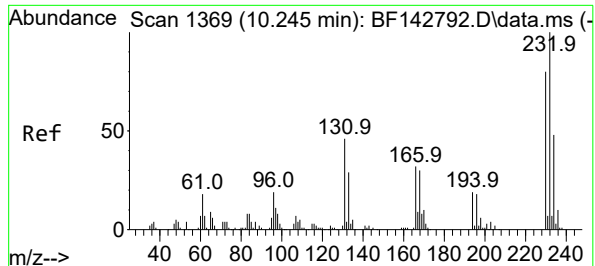
Tgt Ion:165 Resp: 184840
Ion Ratio Lower Upper
165 100
63 45.6 33.9 50.9
89 64.9 50.6 75.8
182 2.8 2.3 3.5



#58
Fluorene
Concen: 56.322 ng
RT: 10.475 min Scan# 1408
Delta R.T. 0.000 min
Lab File: BF142794.D
Acq: 19 Jun 2025 20:10

Tgt Ion:166 Resp: 608786
Ion Ratio Lower Upper
166 100
165 94.7 75.2 112.8
167 13.7 10.6 15.8

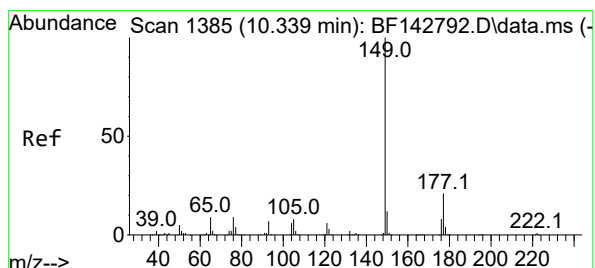
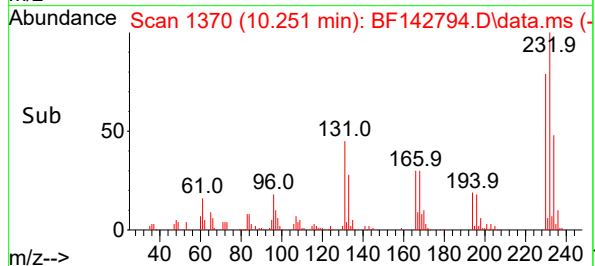
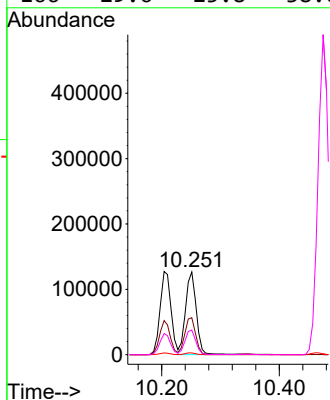
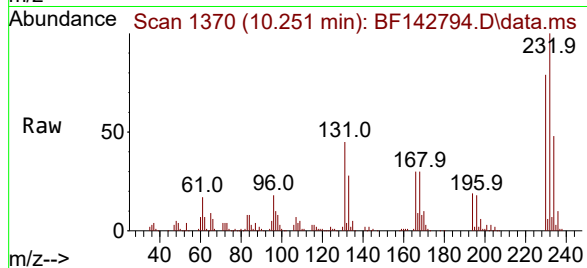




#59
2,3,4,6-Tetrachlorophenol
Concen: 58.739 ng
RT: 10.251 min Scan# 1370
Delta R.T. 0.006 min
Lab File: BF142794.D
Acq: 19 Jun 2025 20:10

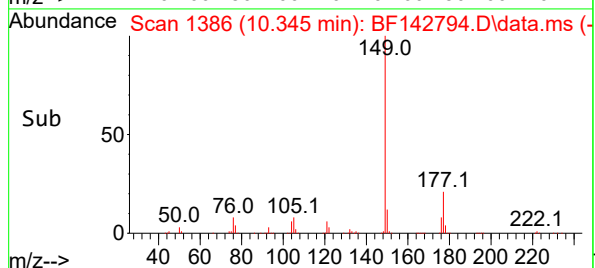
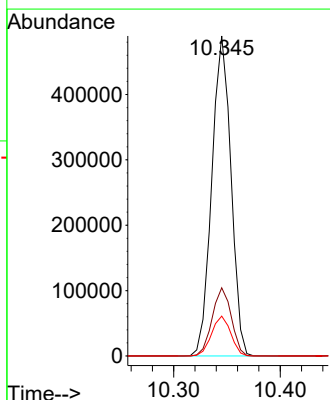
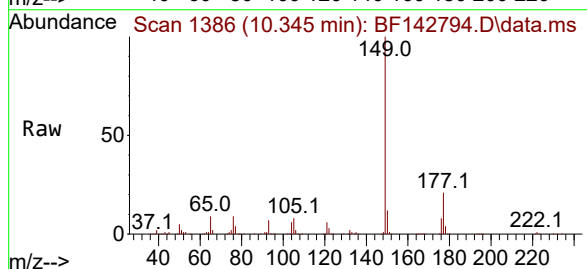
Instrument :
BNA_F
ClientSampleId :
SSTDICC060

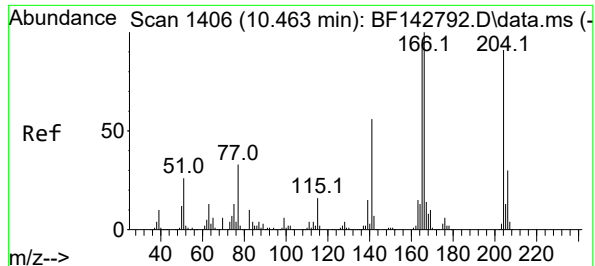
Tgt Ion:232 Resp: 159997
Ion Ratio Lower Upper
232 100
131 45.6 37.6 56.4
130 2.2 1.7 2.5
166 29.6 25.8 38.6



#60
Diethylphthalate
Concen: 57.662 ng
RT: 10.345 min Scan# 1386
Delta R.T. 0.006 min
Lab File: BF142794.D
Acq: 19 Jun 2025 20:10

Tgt Ion:149 Resp: 611873
Ion Ratio Lower Upper
149 100
177 21.3 17.0 25.6
150 12.5 9.8 14.6

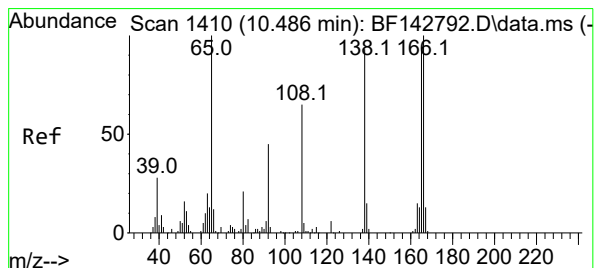
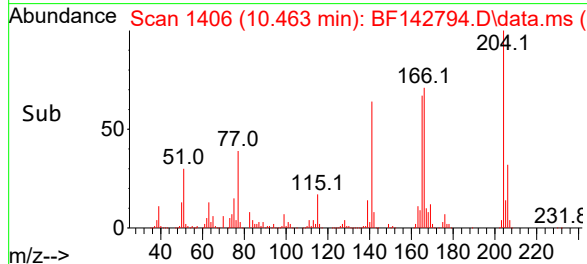
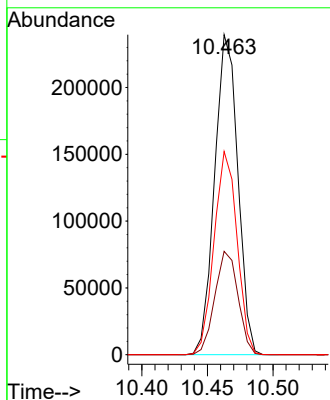
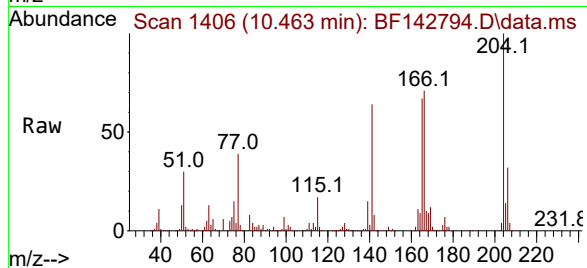




#61
4-Chlorophenyl-phenylether
Concen: 56.089 ng
RT: 10.463 min Scan# 1406
Delta R.T. 0.000 min
Lab File: BF142794.D
Acq: 19 Jun 2025 20:10

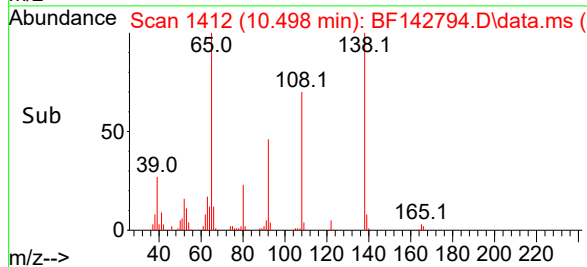
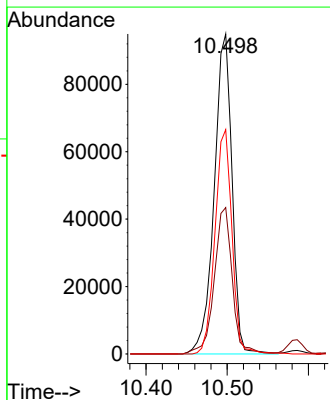
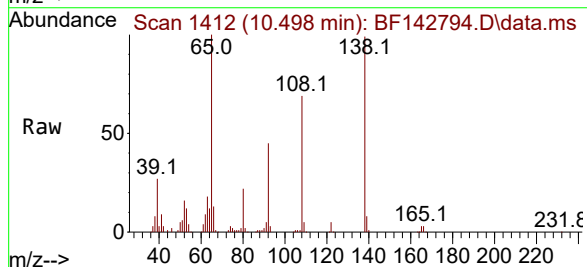
Instrument :
BNA_F
ClientSampleId :
SSTDICC060

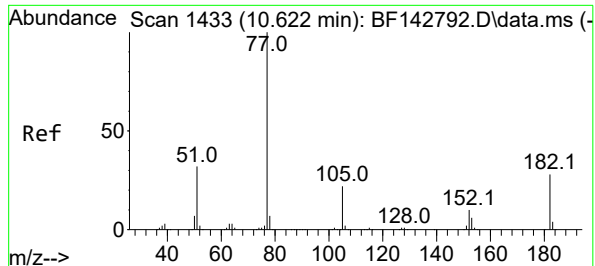
Tgt Ion:204 Resp: 294444
Ion Ratio Lower Upper
204 100
206 32.3 26.3 39.5
141 63.5 49.1 73.7



#62
4-Nitroaniline
Concen: 64.135 ng
RT: 10.498 min Scan# 1412
Delta R.T. 0.012 min
Lab File: BF142794.D
Acq: 19 Jun 2025 20:10

Tgt Ion:138 Resp: 144821
Ion Ratio Lower Upper
138 100
92 45.7 28.4 68.4
108 70.1 50.2 90.2

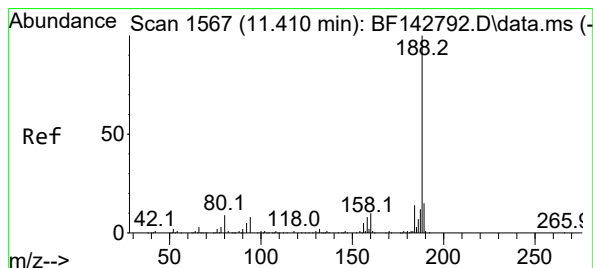
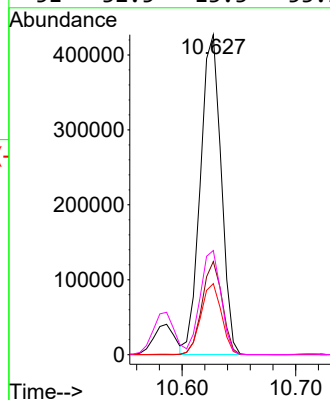
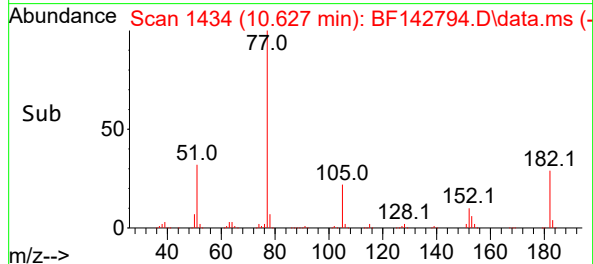
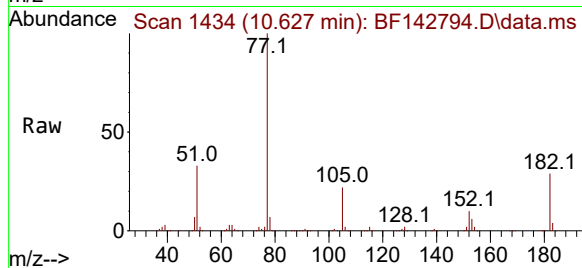




#63
Azobenzene
Concen: 58.460 ng
RT: 10.627 min Scan# 1433
Delta R.T. 0.006 min
Lab File: BF142794.D
Acq: 19 Jun 2025 20:10

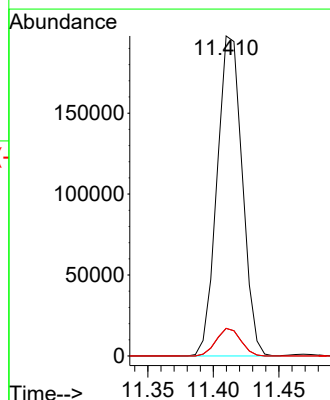
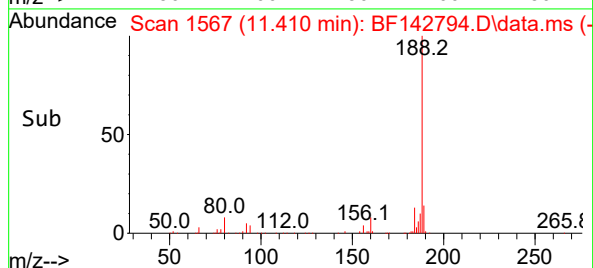
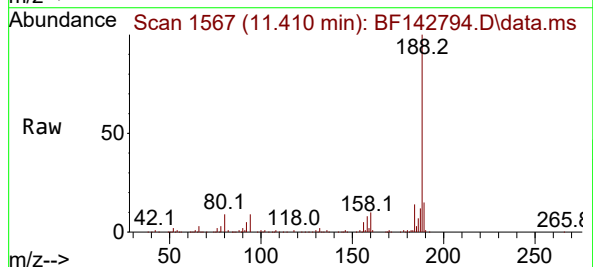
Instrument :
BNA_F
ClientSampleId :
SSTDICC060

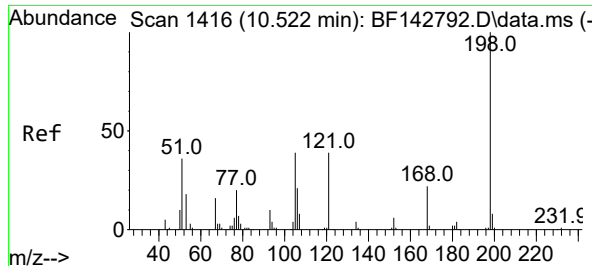
Tgt Ion	Ratio	Lower	Upper
77	100		
182	29.1	7.7	47.7
105	22.2	1.9	41.9
51	32.5	13.3	53.3



#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

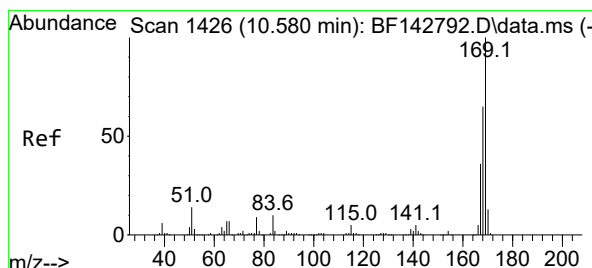
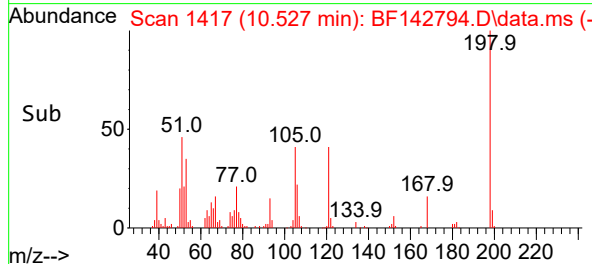
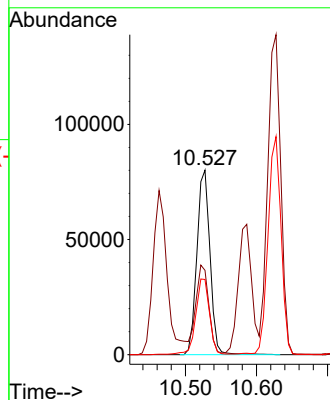
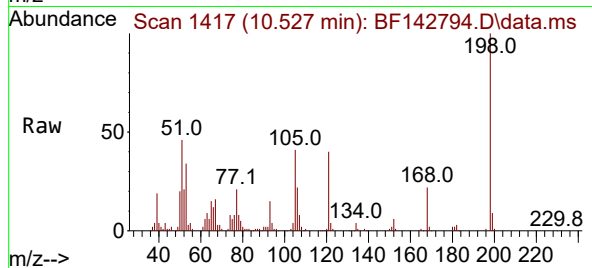




#65
4,6-Dinitro-2-methylphenol
Concen: 62.814 ng
RT: 10.527 min Scan# 1416
Delta R.T. 0.006 min
Lab File: BF142794.D
Acq: 19 Jun 2025 20:10

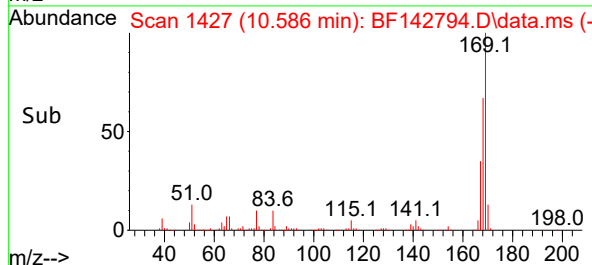
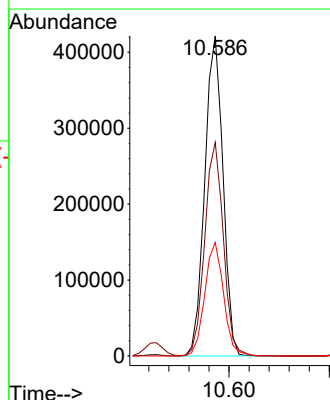
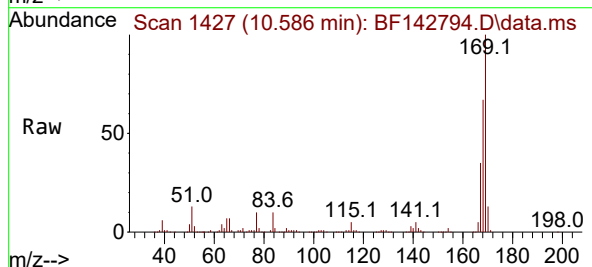
Instrument :
BNA_F
ClientSampleId :
SSTDICC060

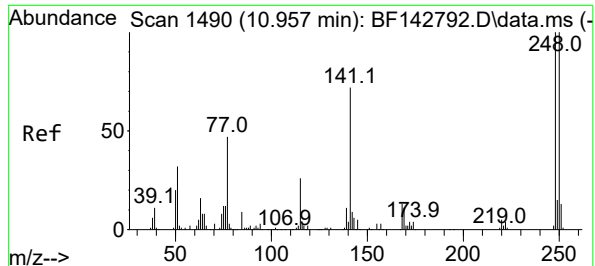
Tgt Ion:198 Resp: 103180
Ion Ratio Lower Upper
198 100
51 45.7 25.4 65.4
105 40.7 20.4 60.4



#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

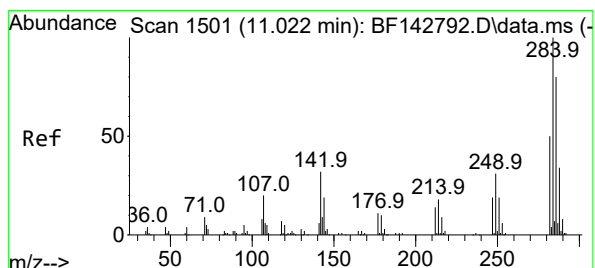
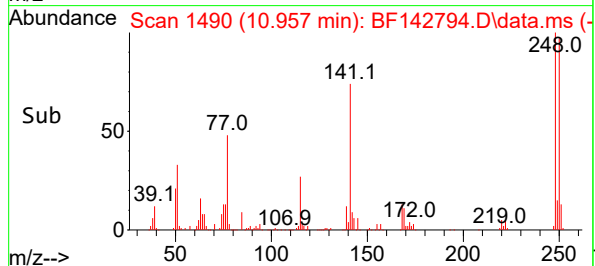
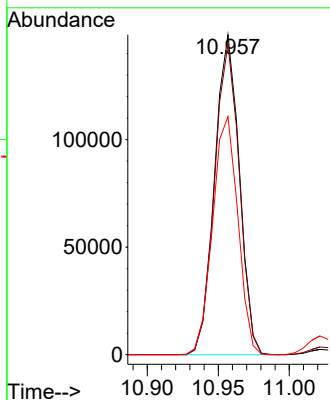
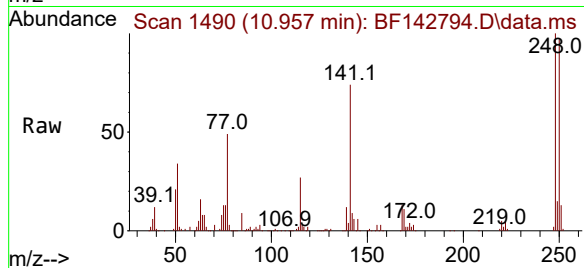




#67
4-Bromophenyl-phenylether
Concen: 58.311 ng
RT: 10.957 min Scan# 1490
Delta R.T. 0.000 min
Lab File: BF142794.D
Acq: 19 Jun 2025 20:10

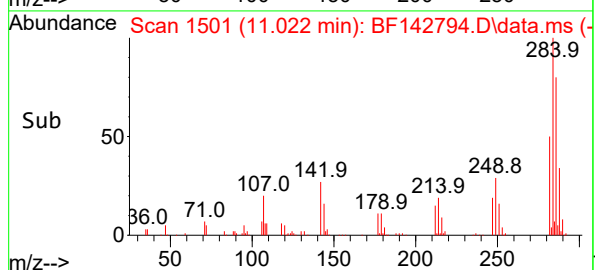
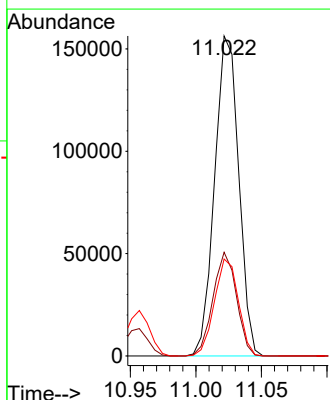
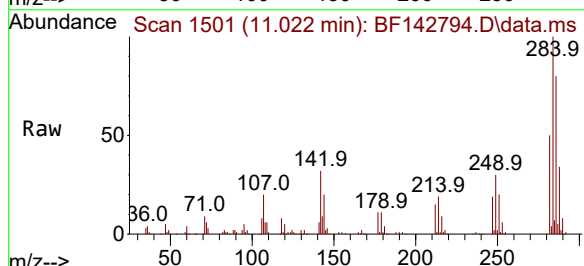
Instrument :
BNA_F
ClientSampleId :
SSTDICC060

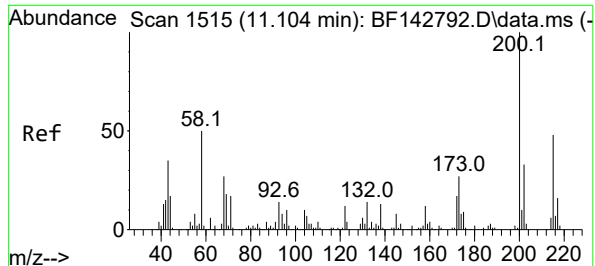
Tgt Ion:248 Resp: 180519
Ion Ratio Lower Upper
248 100
250 97.1 79.8 119.8
141 74.4 57.8 86.6



#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# 1

Delta R.T. 0.006 min

Lab File: BF142794.D

Acq: 19 Jun 2025 20:10

Instrument :

BNA_F

ClientSampleId :

SSTDICC060

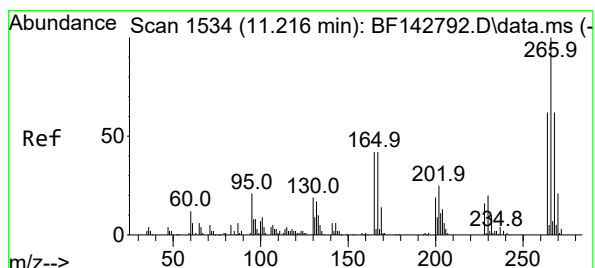
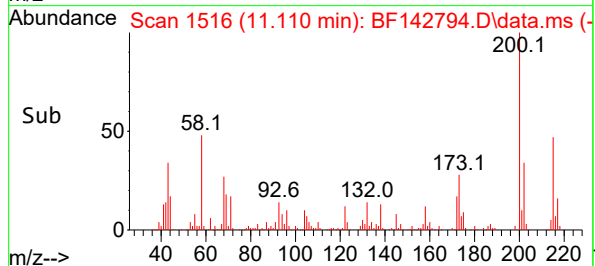
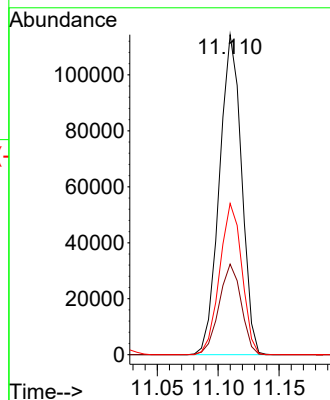
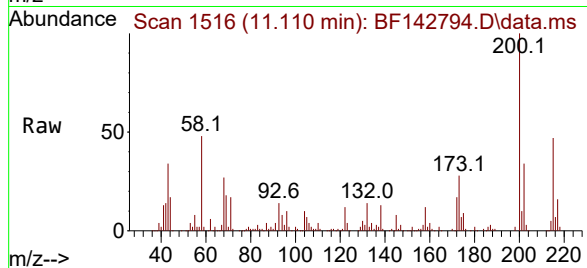
Tgt Ion:200 Resp: 144880

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

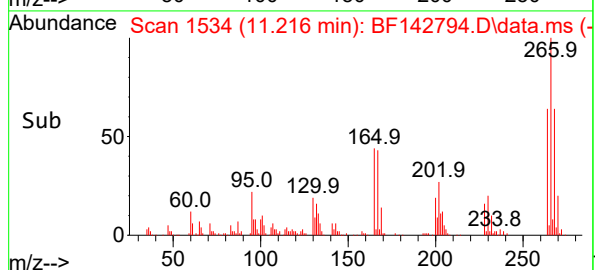
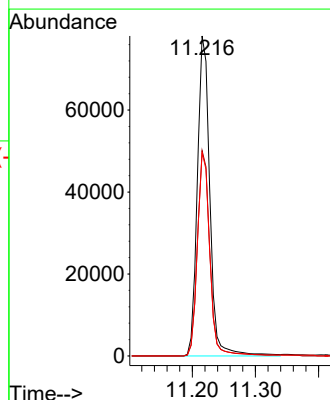
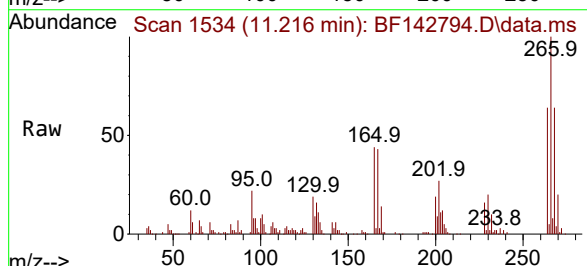
Tgt Ion:266 Resp: 107141

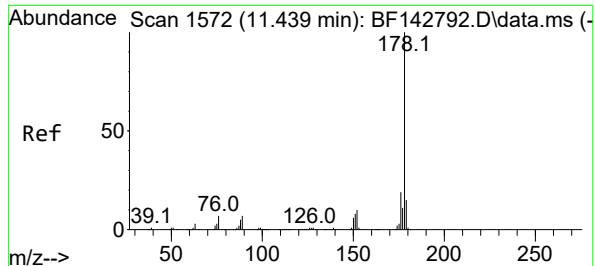
Ion Ratio Lower Upper

266 100

268 64.2 49.8 74.8

264 63.5 49.9 74.9

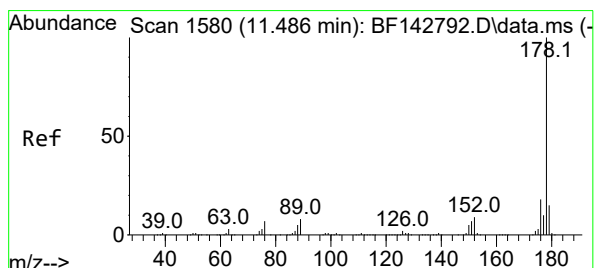
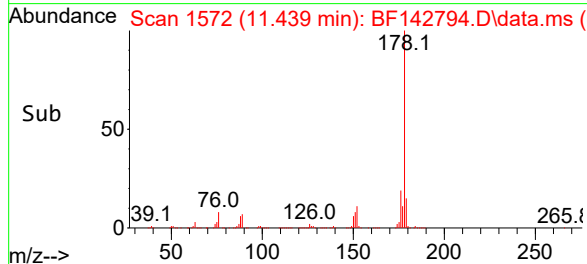
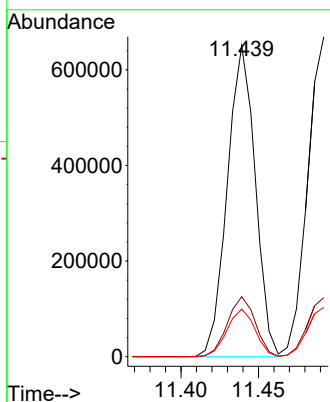
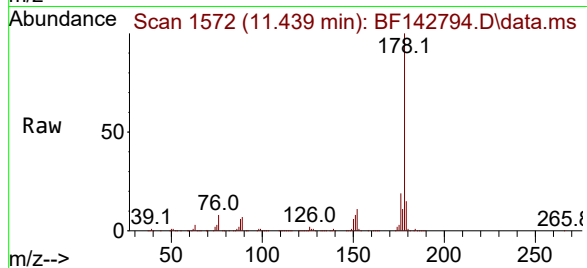




#71
Phenanthrene
Concen: 57.611 ng
RT: 11.439 min Scan# 1572
Delta R.T. 0.000 min
Lab File: BF142794.D
Acq: 19 Jun 2025 20:10

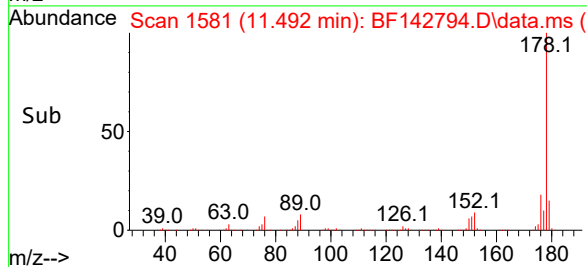
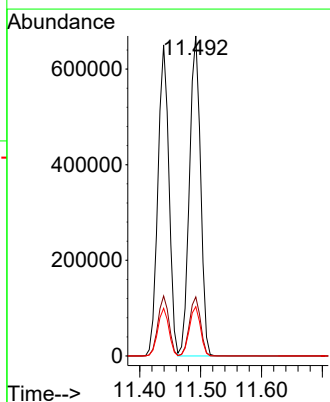
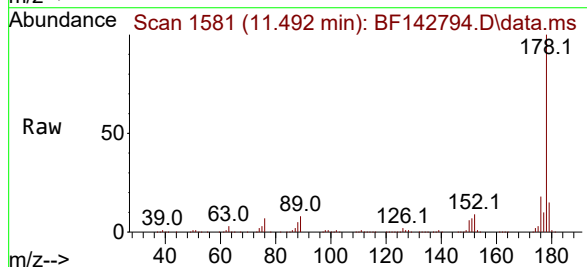
Instrument :
BNA_F
ClientSampleId :
SSTDICC060

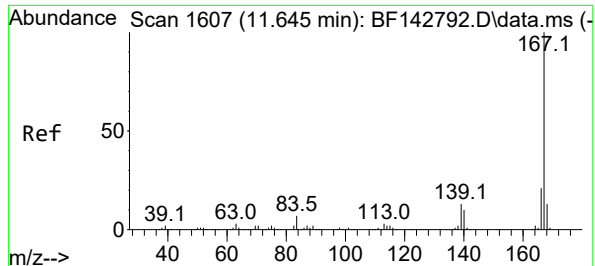
Tgt Ion:178 Resp: 815330
Ion Ratio Lower Upper
178 100
176 19.3 15.1 22.7
179 15.4 12.0 18.0



#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

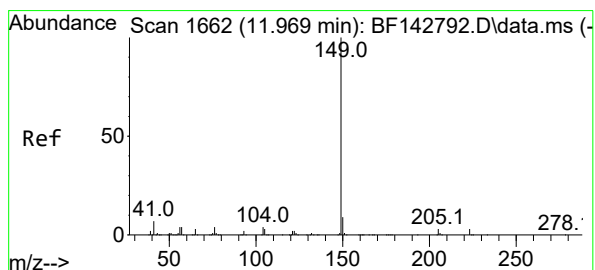
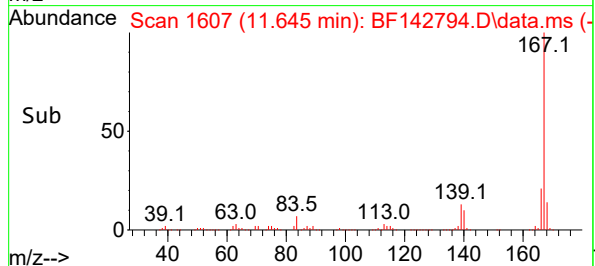
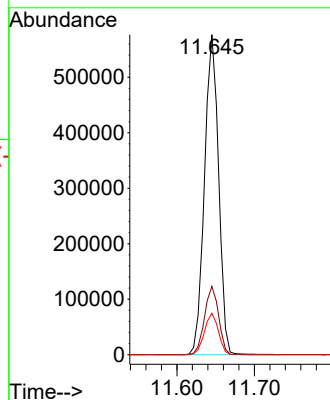
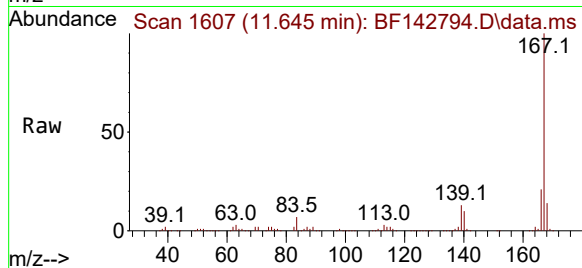




#73
Carbazole
Concen: 59.457 ng
RT: 11.645 min Scan# 1607
Delta R.T. 0.000 min
Lab File: BF142794.D
Acq: 19 Jun 2025 20:10

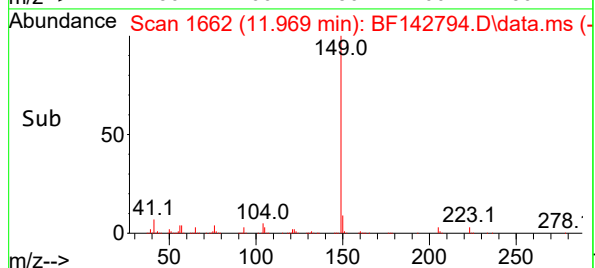
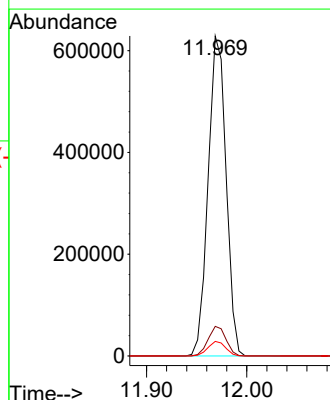
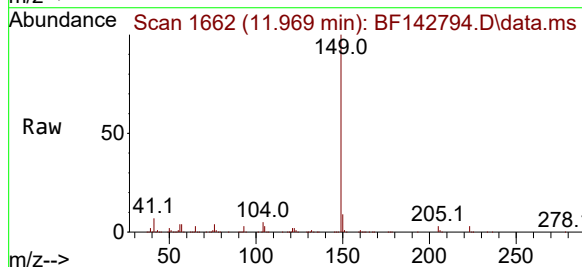
Instrument :
BNA_F
ClientSampleId :
SSTDICC060

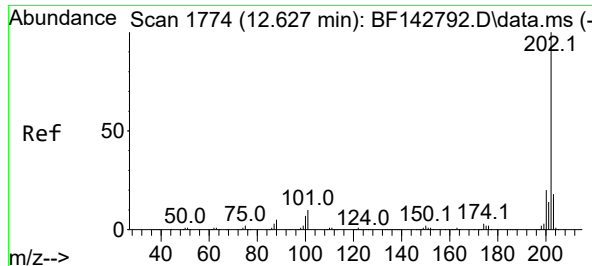
Tgt Ion	Ratio	Lower	Upper
167	100		
166	21.4	17.0	25.4
139	12.9	10.2	15.2



#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	Ratio	Lower	Upper
149	100		
150	9.3	7.4	11.0
104	4.6	3.5	5.3

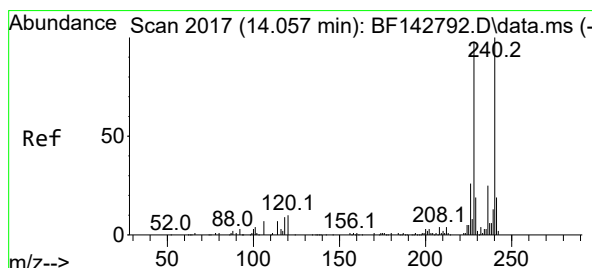
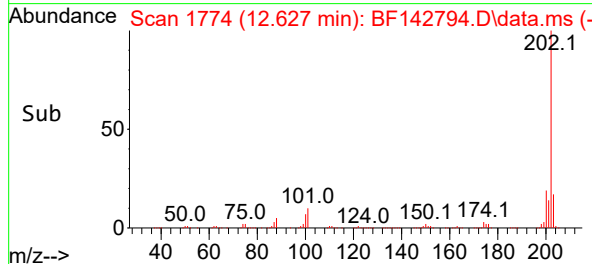
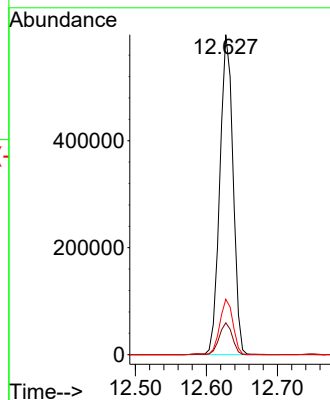
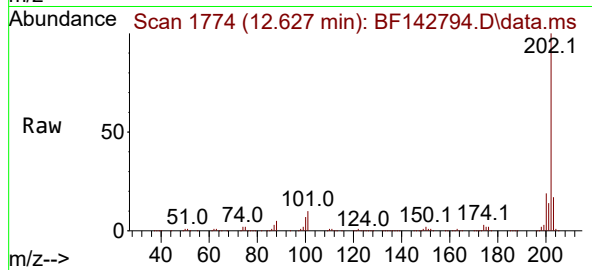




#75
Fluoranthene
Concen: 57.300 ng
RT: 12.627 min Scan# 1774
Delta R.T. 0.000 min
Lab File: BF142794.D
Acq: 19 Jun 2025 20:10

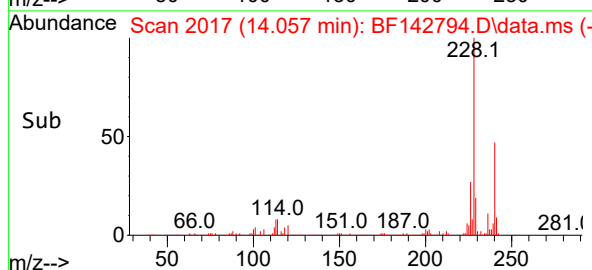
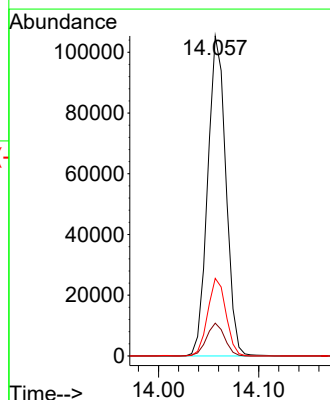
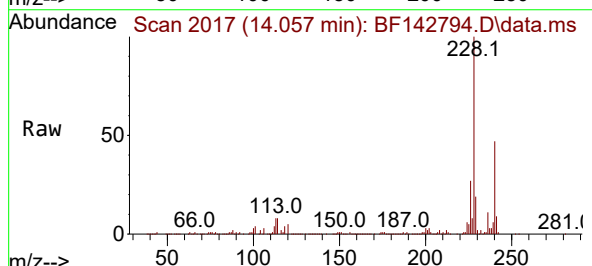
Instrument :
BNA_F
ClientSampleId :
SSTDICC060

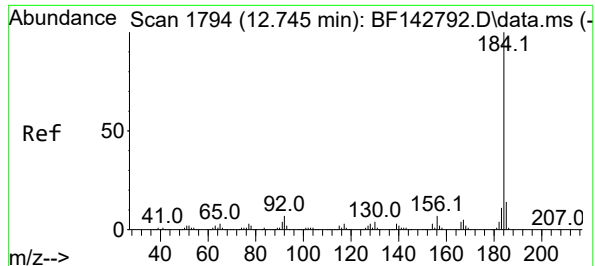
Tgt Ion	Ratio	Lower	Upper
202	100		
101	10.0	0.0	29.7
203	17.3	0.0	37.5



#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

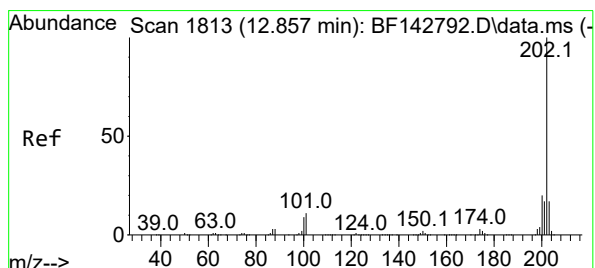
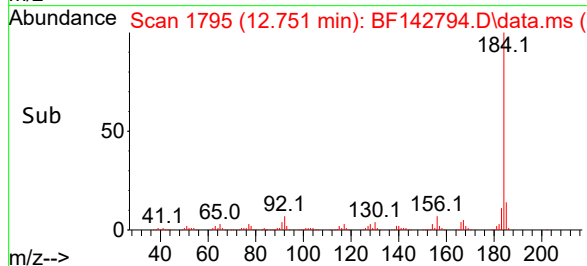
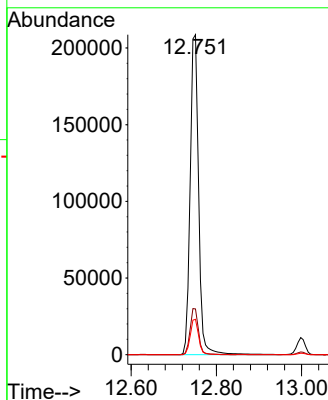
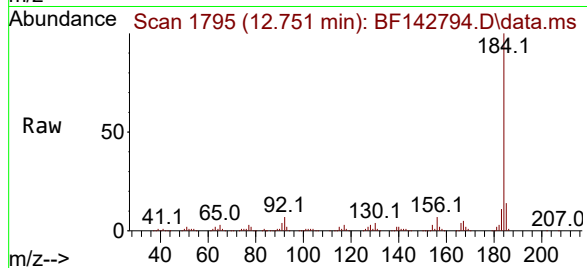
Tgt Ion:184 Resp: 287238

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

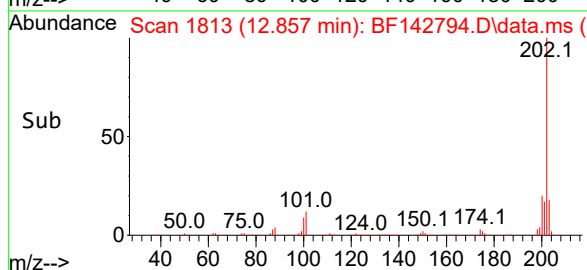
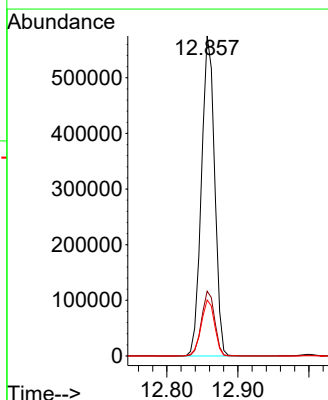
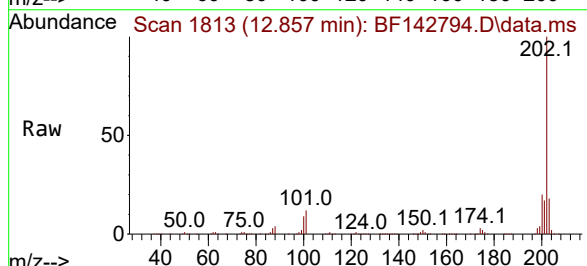
Tgt Ion:202 Resp: 744567

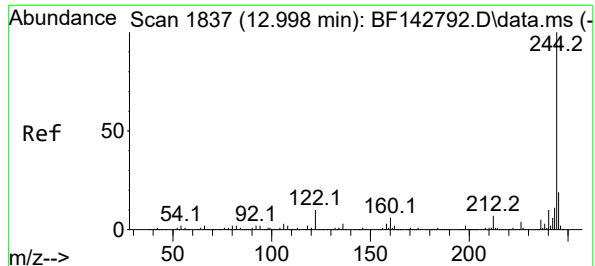
Ion Ratio Lower Upper

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

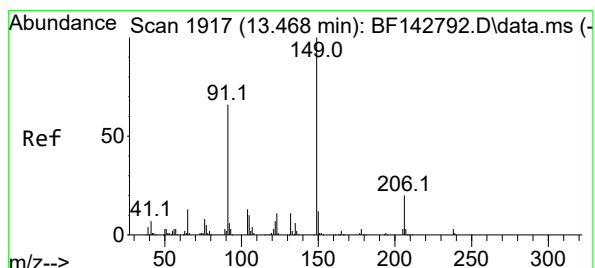
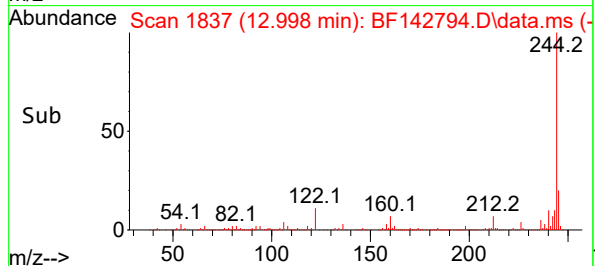
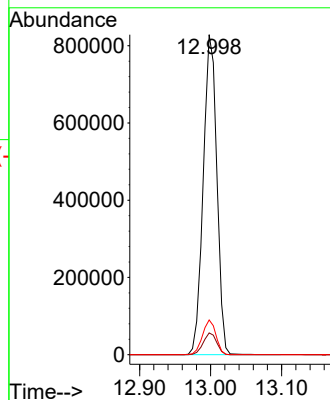
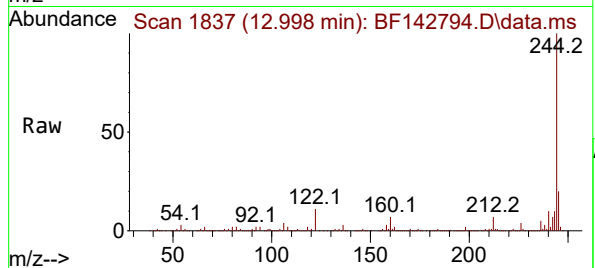
Tgt Ion:244 Resp: 1107704

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

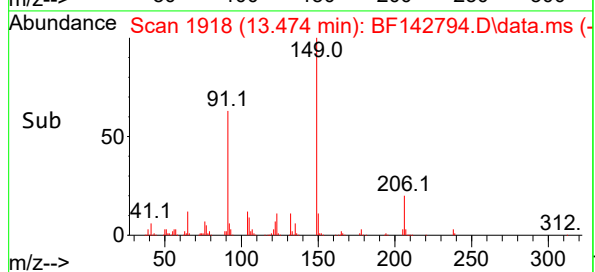
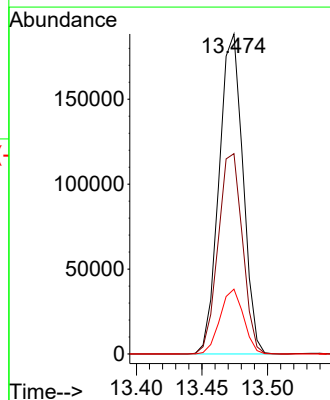
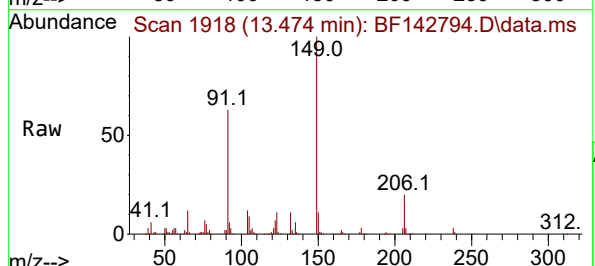
Tgt Ion:149 Resp: 238584

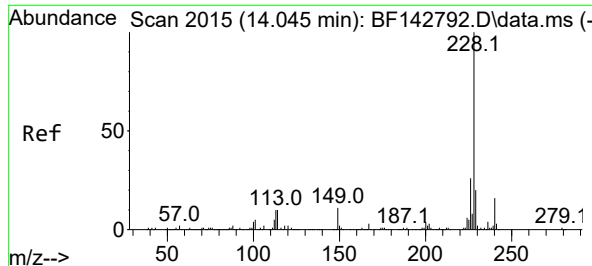
Ion Ratio Lower Upper

149 100

91 62.6 52.9 79.3

206 20.2 16.3 24.5

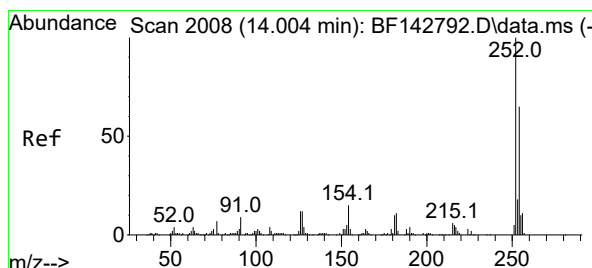
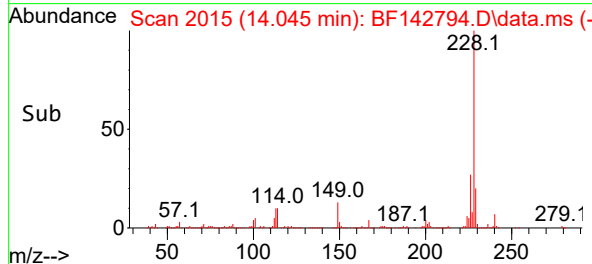
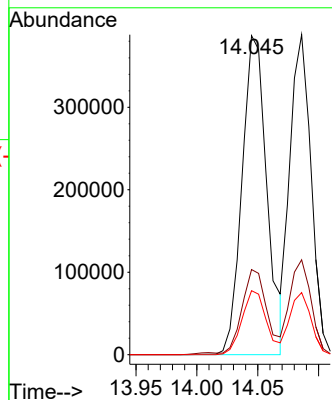
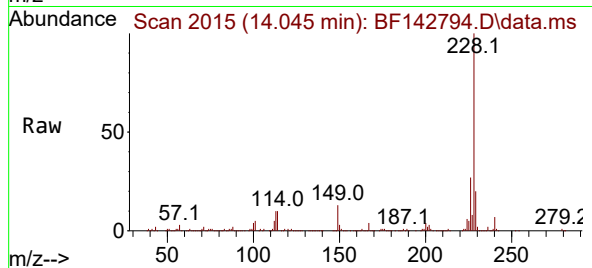




#81
Benzo(a)anthracene
Concen: 62.892 ng
RT: 14.045 min Scan# 2015
Delta R.T. 0.000 min
Lab File: BF142794.D
Acq: 19 Jun 2025 20:10

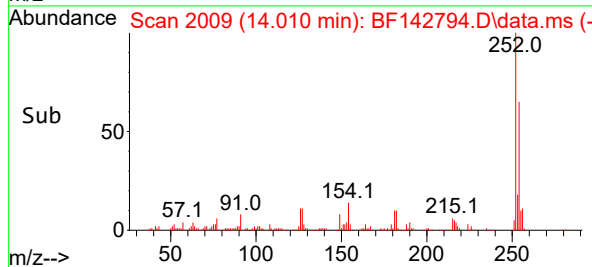
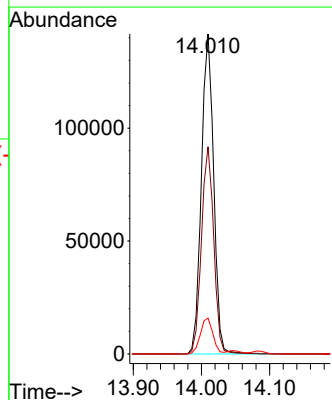
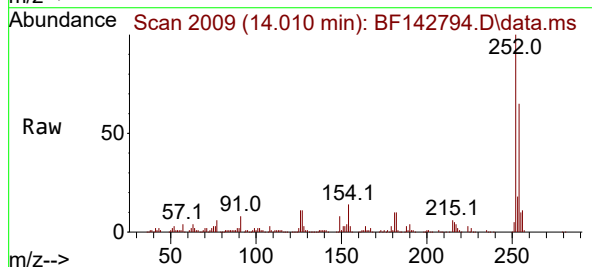
Instrument :
BNA_F
ClientSampleId :
SSTDICC060

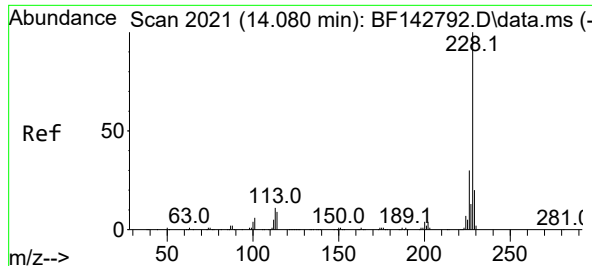
Tgt Ion:228 Resp: 550008
Ion Ratio Lower Upper
228 100
226 26.7 21.2 31.8
229 20.0 15.6 23.4



#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

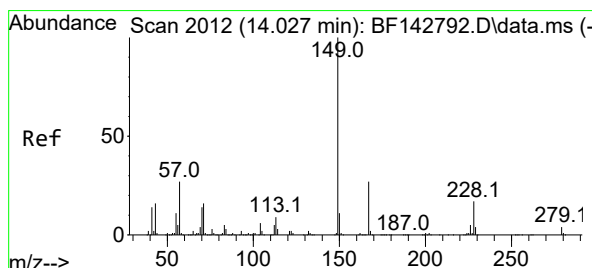
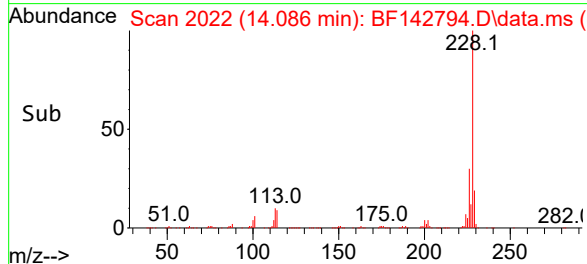
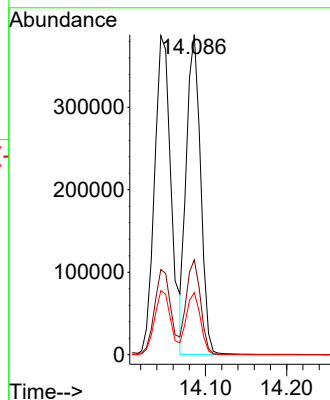
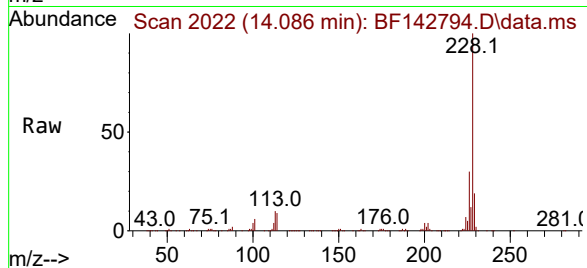
Tgt Ion:228 Resp: 470124

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

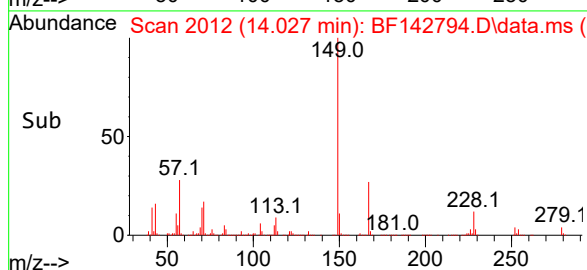
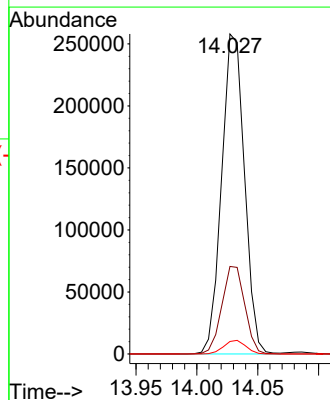
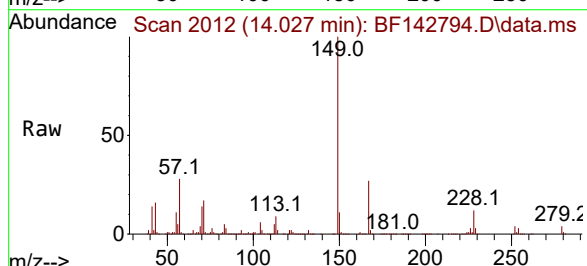
Tgt Ion:149 Resp: 336951

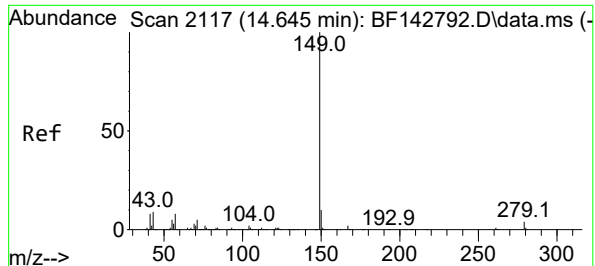
Ion Ratio Lower Upper

149 100

167 27.4 21.4 32.0

279 3.9 3.0 4.6

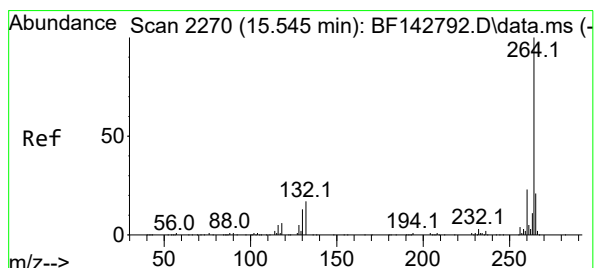
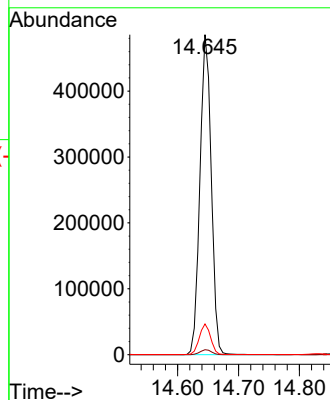
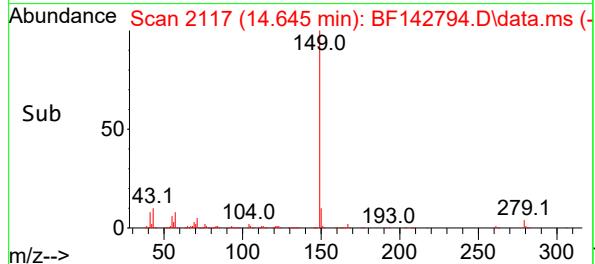
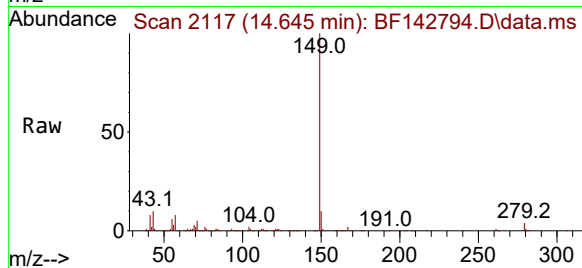




#85
Di-n-octyl phthalate
Concen: 60.871 ng
RT: 14.645 min Scan# 2117
Delta R.T. 0.000 min
Lab File: BF142794.D
Acq: 19 Jun 2025 20:10

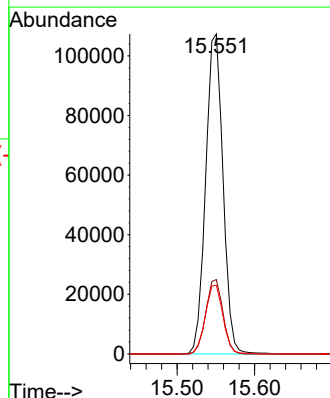
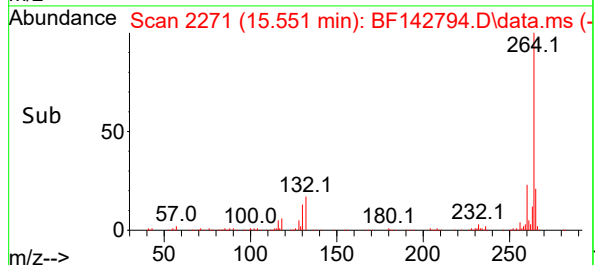
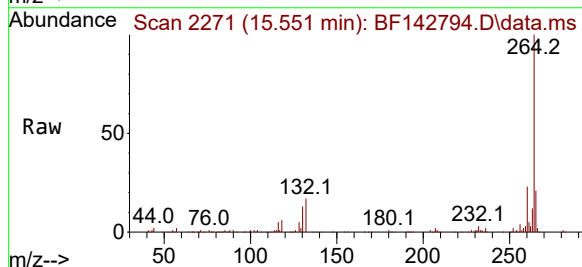
Instrument :
BNA_F
ClientSampleId :
SSTDICC060

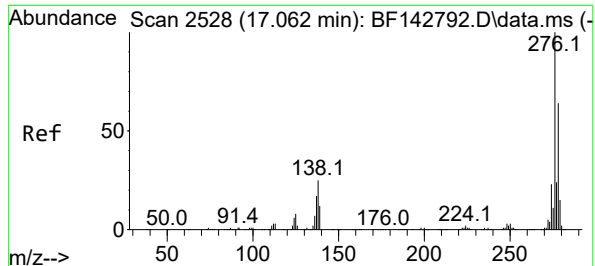
Tgt Ion:149 Resp: 627090
Ion Ratio Lower Upper
149 100
167 1.6 1.3 1.9
43 9.6 7.6 11.4



#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

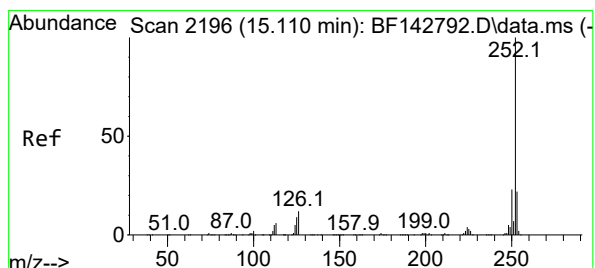
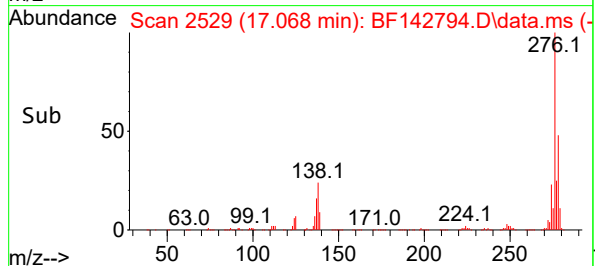
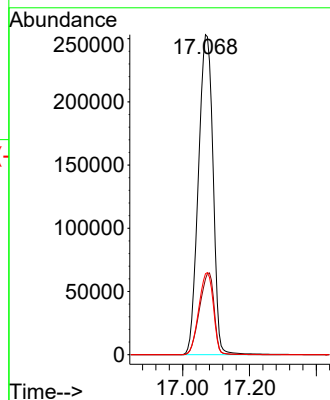
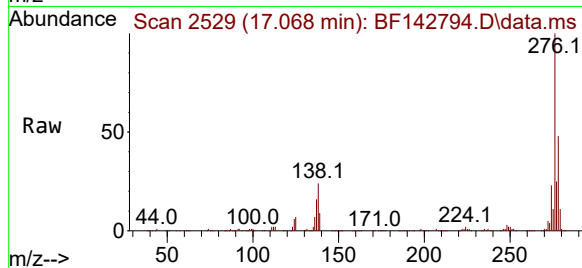
Tgt Ion:276 Resp: 768324

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

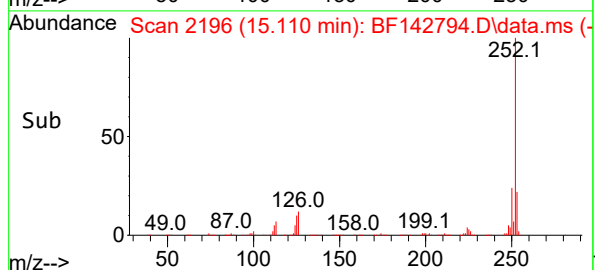
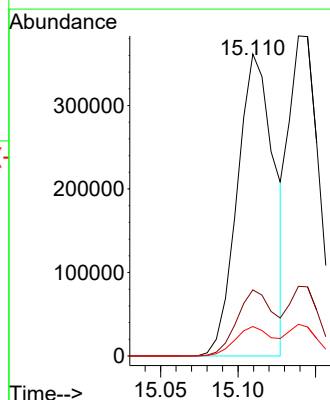
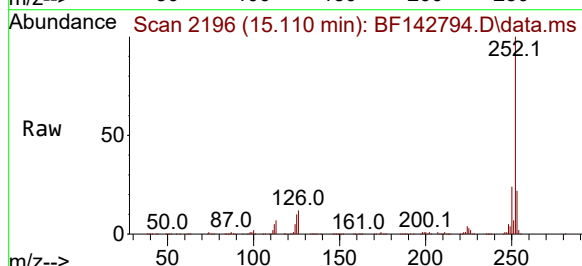
Tgt Ion:252 Resp: 597533

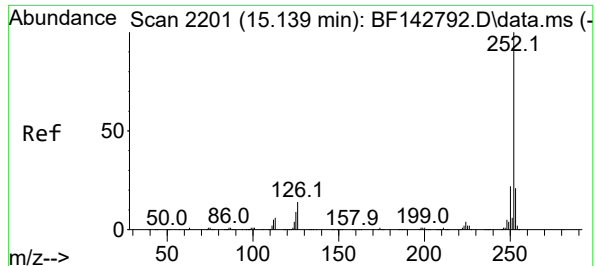
Ion Ratio Lower Upper

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

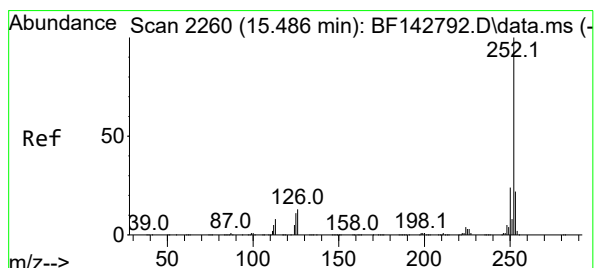
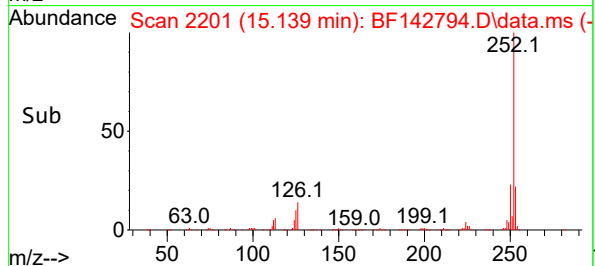
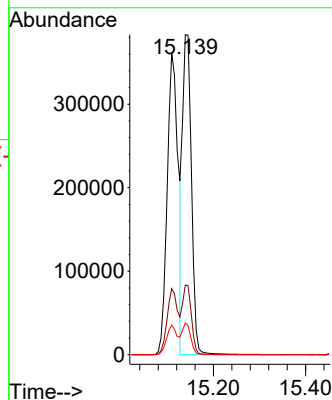
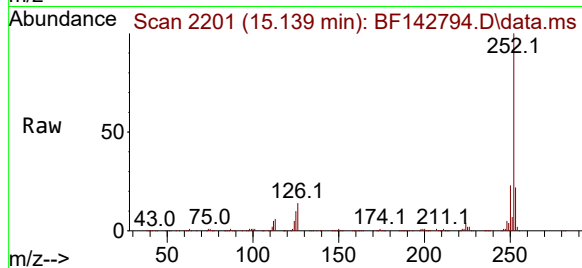
Tgt Ion:252 Resp: 518514

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

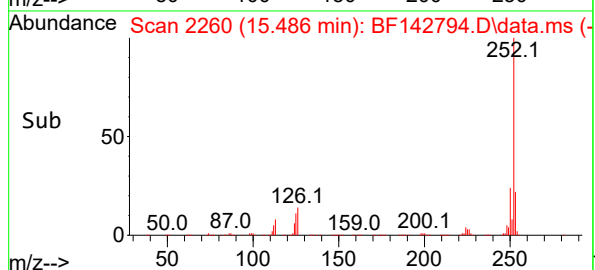
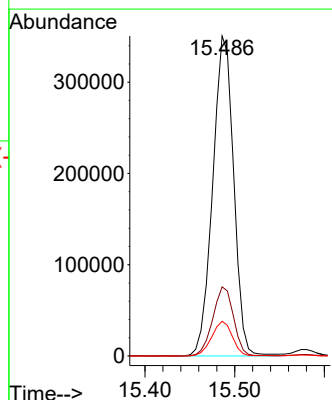
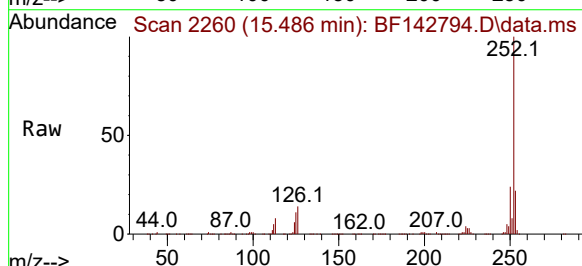
Tgt Ion:252 Resp: 569694

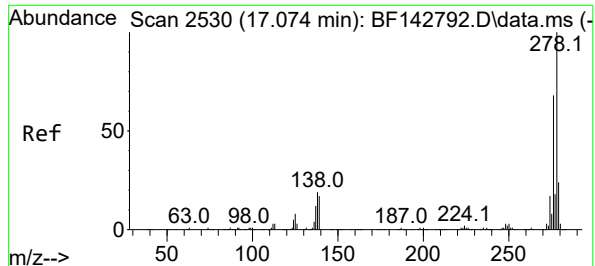
Ion Ratio Lower Upper

252 100

253 21.6 17.5 26.3

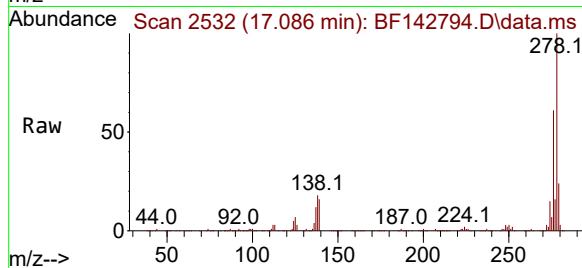
125 10.9 8.6 12.8



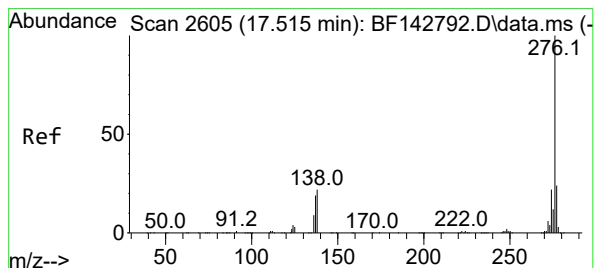
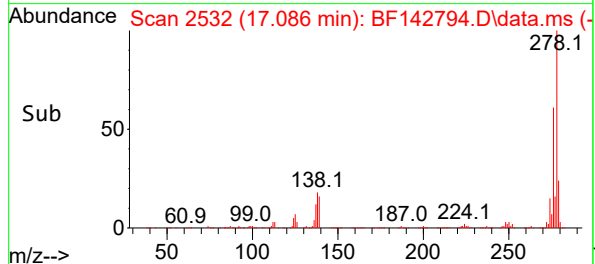
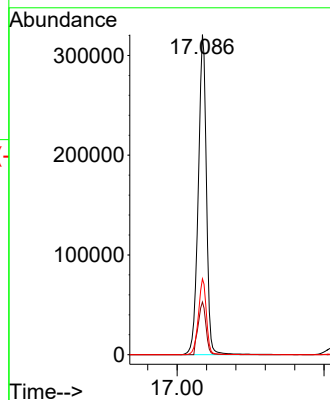


#91
Dibenzo(a,h)anthracene
Concen: 61.889 ng
RT: 17.086 min Scan# 21
Delta R.T. 0.012 min
Lab File: BF142794.D
Acq: 19 Jun 2025 20:10

Instrument :
BNA_F
ClientSampleId :
SSTDICC060

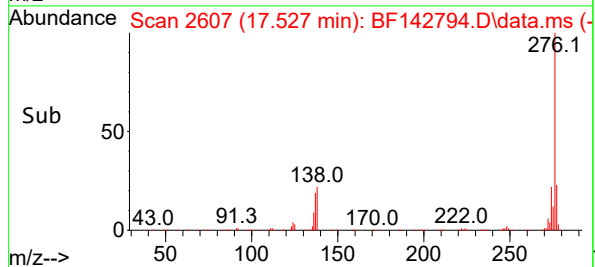
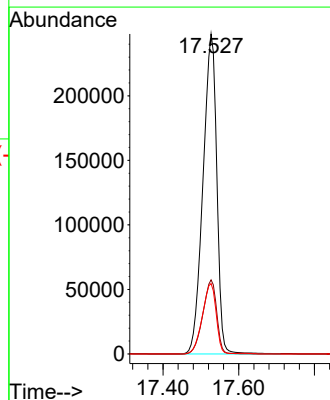
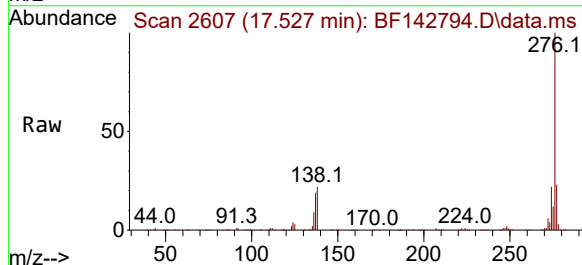


Tgt Ion:278 Resp: 619236
Ion Ratio Lower Upper
278 100
139 16.5 13.5 20.3
279 23.7 18.8 28.2



#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

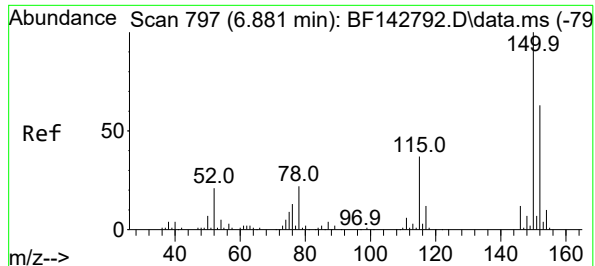
Quant Time: Jun 20 04:42:16 2025
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF061925.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Fri Jun 20 04:36:38 2025
 Response via : Initial Calibration

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

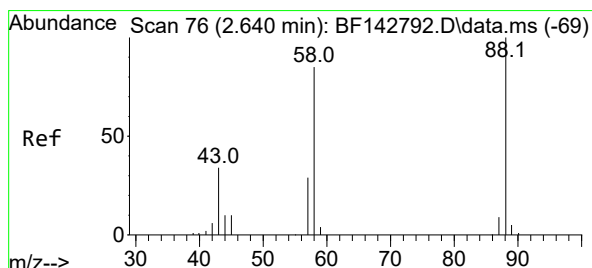
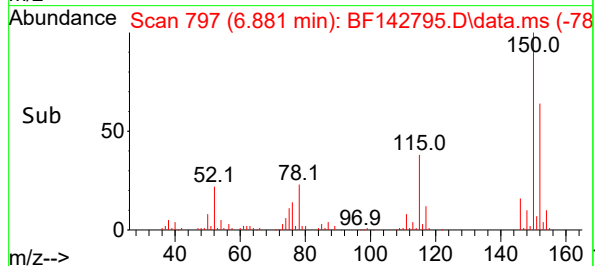
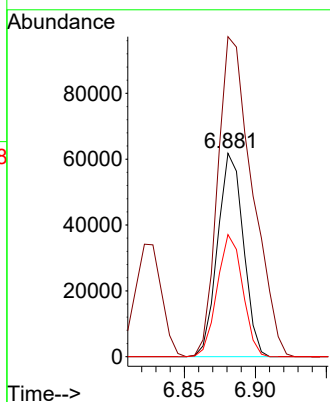
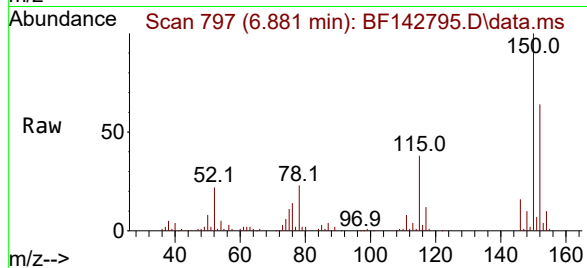
[illegible]



#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

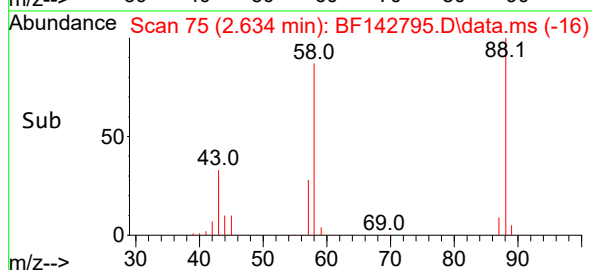
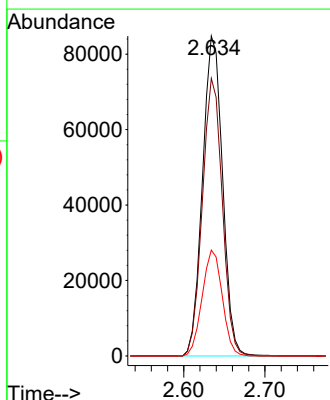
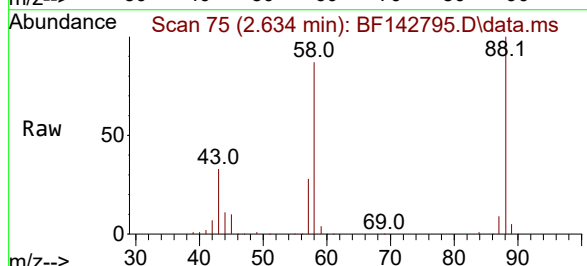
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SSTDICC080

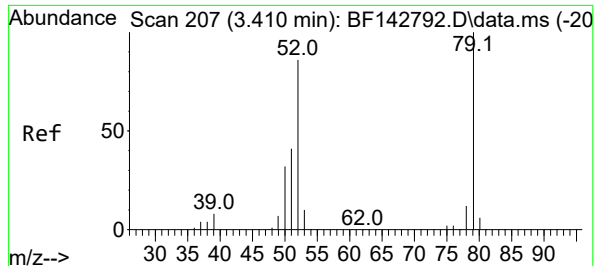
Tgt Ion:152 Resp: 77938
Ion Ratio Lower Upper
152 100
150 157.3 127.2 190.8
115 60.0 46.6 69.8



#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

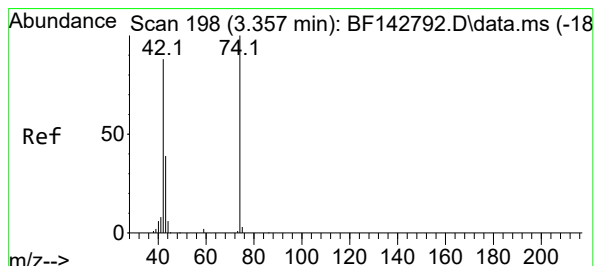
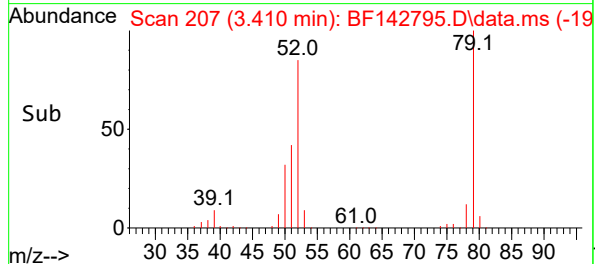
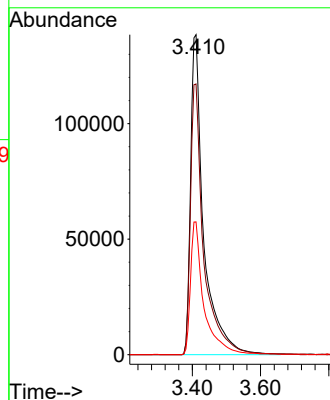
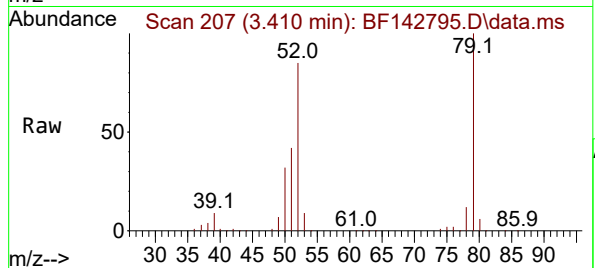




#3
Pyridine
Concen: 81.031 ng
RT: 3.410 min Scan# 20
Delta R.T. 0.000 min
Lab File: BF142795.D
Acq: 19 Jun 2025 20:40

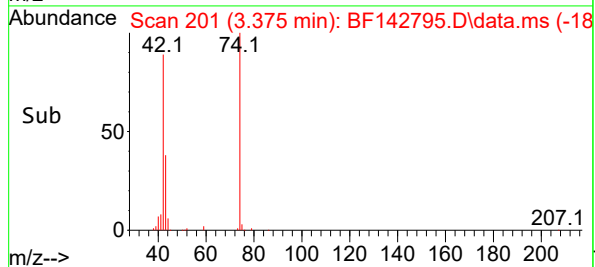
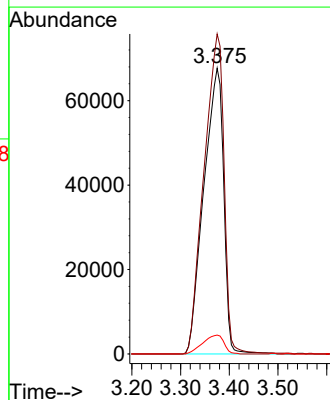
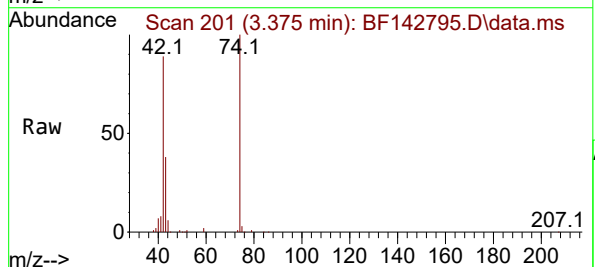
Instrument :
BNA_F
ClientSampleId :
SSTDICC080

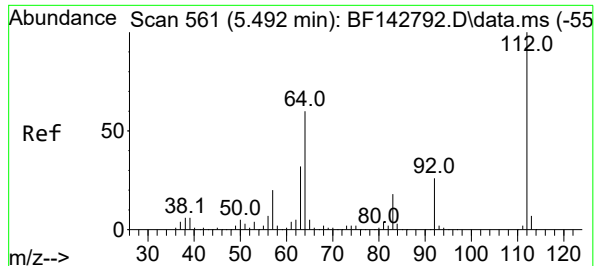
Tgt Ion: 79 Resp: 368129
Ion Ratio Lower Upper
79 100
52 84.6 69.2 103.8
51 41.5 33.2 49.8



#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

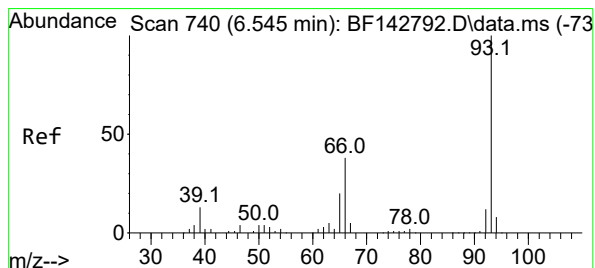
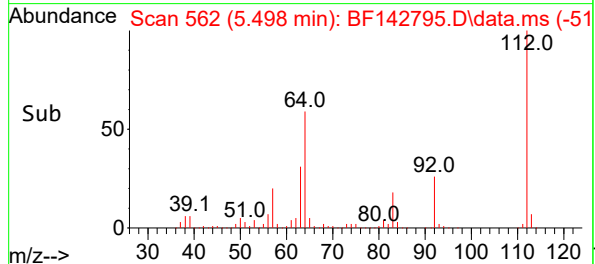
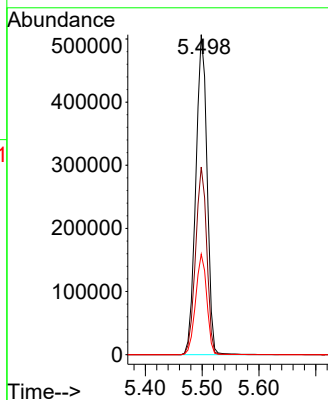
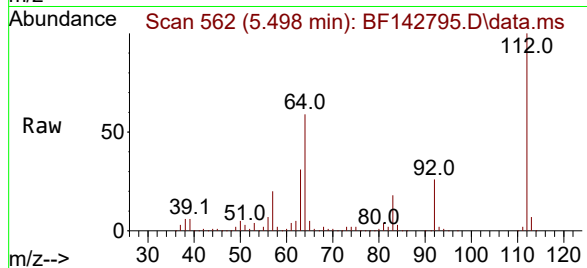




#5
2-Fluorophenol
Concen: 153.880 ng
RT: 5.498 min Scan# 501
Delta R.T. 0.006 min
Lab File: BF142795.D
Acq: 19 Jun 2025 20:40

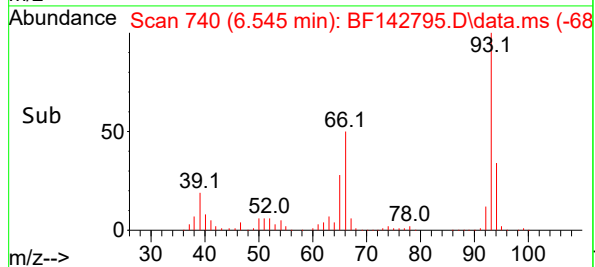
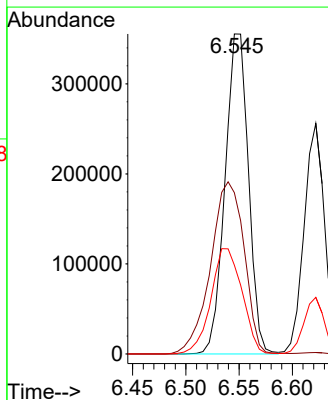
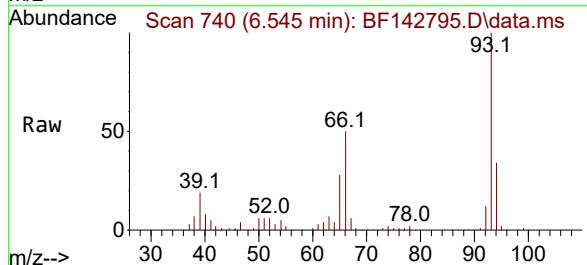
Instrument :
BNA_F
ClientSampleId :
SSTDICC080

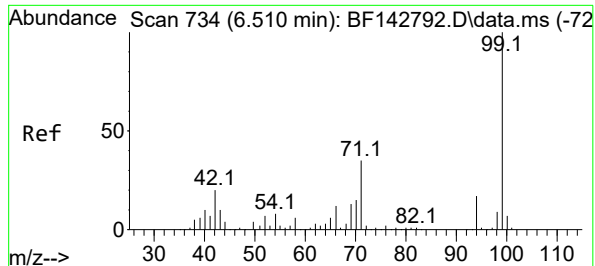
Tgt Ion:112 Resp: 703164
Ion Ratio Lower Upper
112 100
64 58.7 48.2 72.2
63 31.4 25.7 38.5



#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

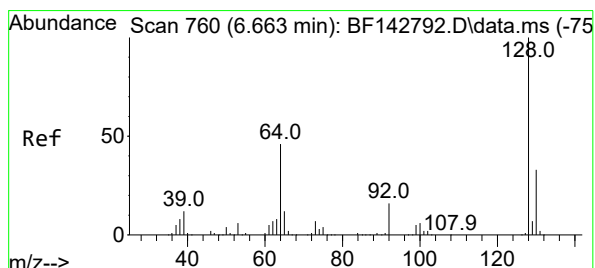
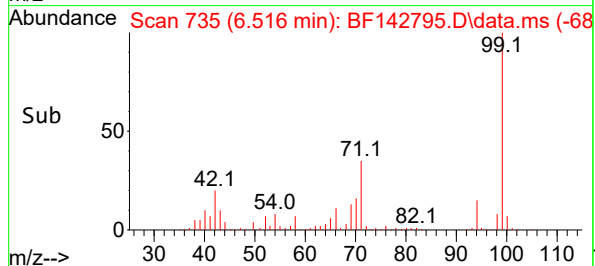
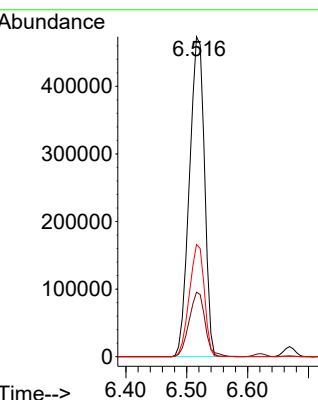
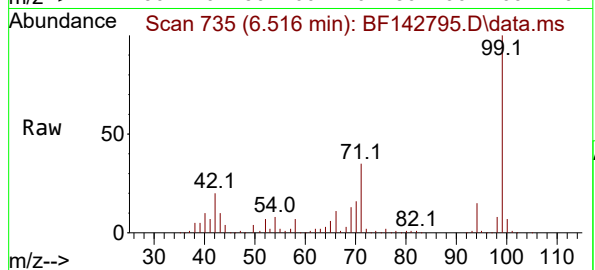
Tgt Ion: 99 Resp: 813626

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

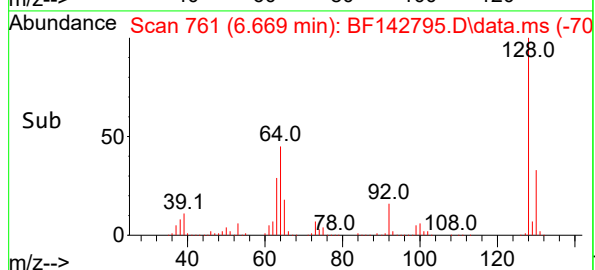
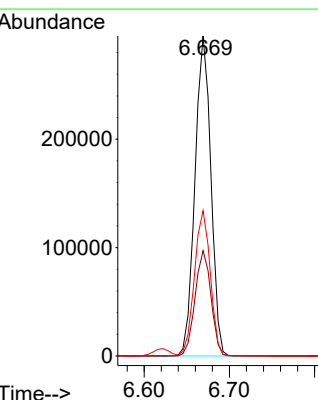
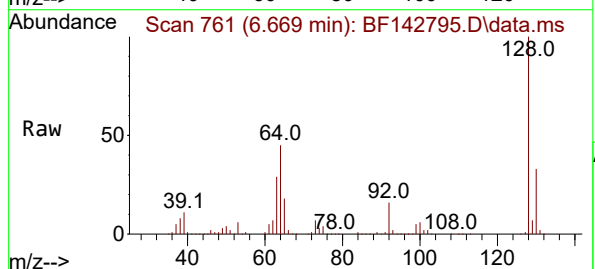
Tgt Ion:128 Resp: 383707

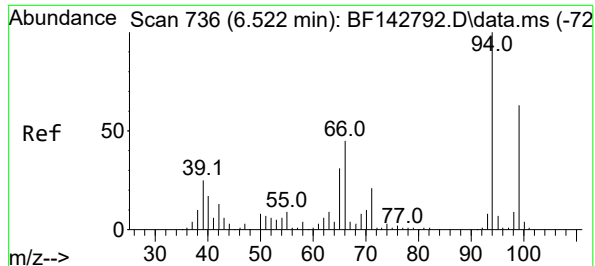
Ion Ratio Lower Upper

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

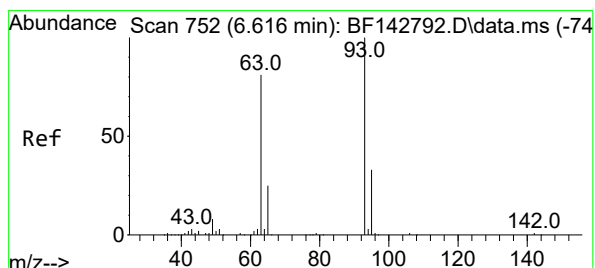
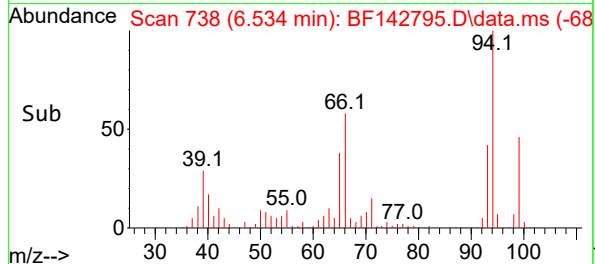
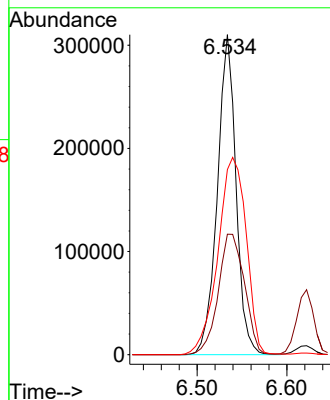
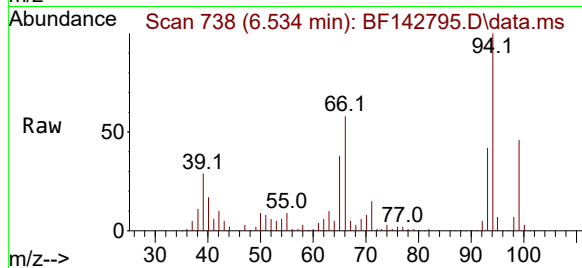
Tgt Ion: 94 Resp: 448139

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

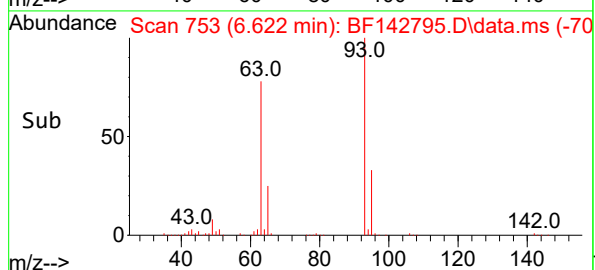
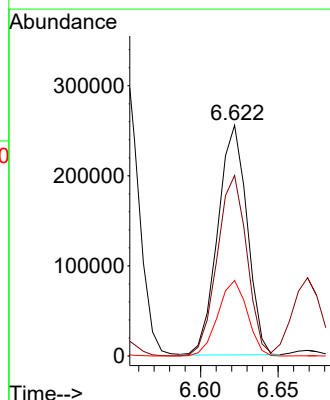
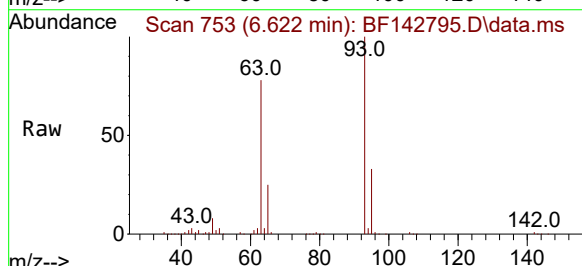
Tgt Ion: 93 Resp: 335736

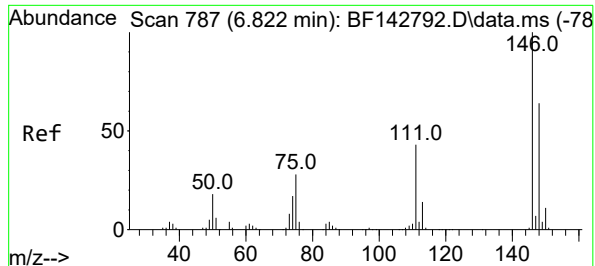
Ion Ratio Lower Upper

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

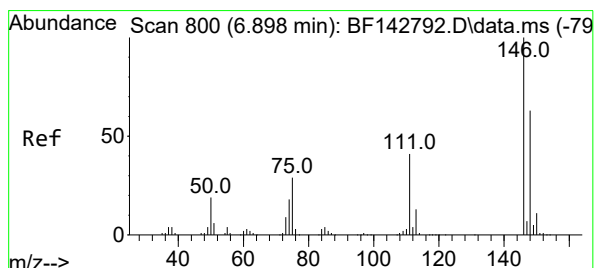
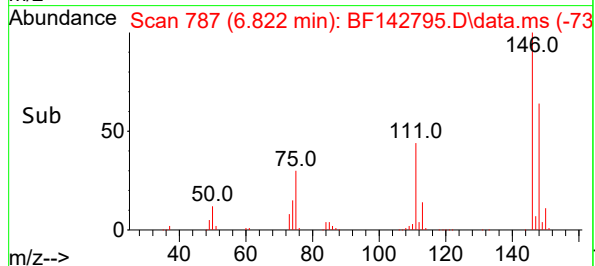
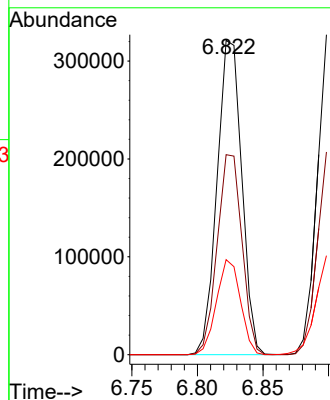
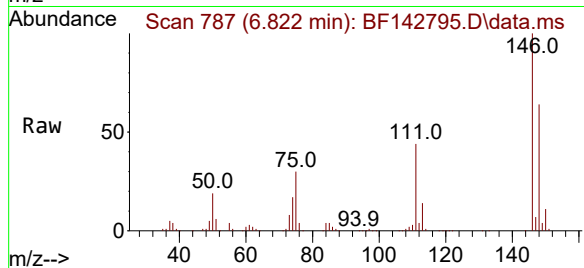
Tgt Ion:146 Resp: 420352

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

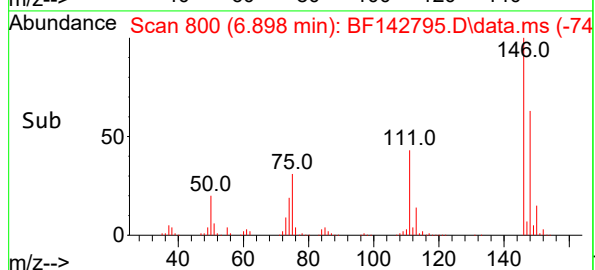
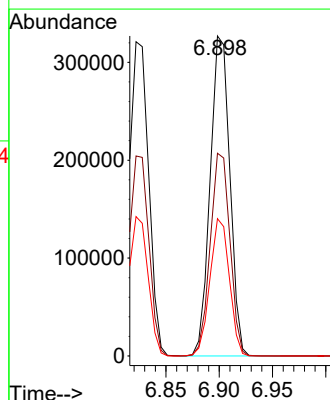
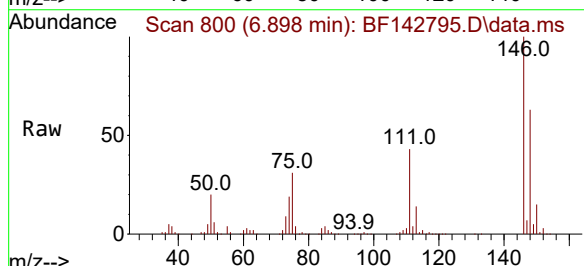
Tgt Ion:146 Resp: 419873

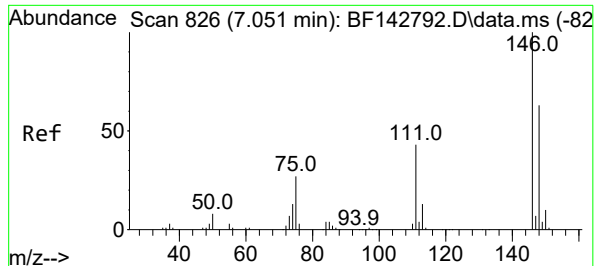
Ion Ratio Lower Upper

146 100

148 63.4 50.2 75.2

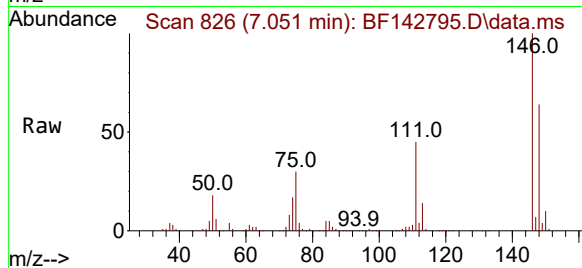
111 42.9 33.2 49.8



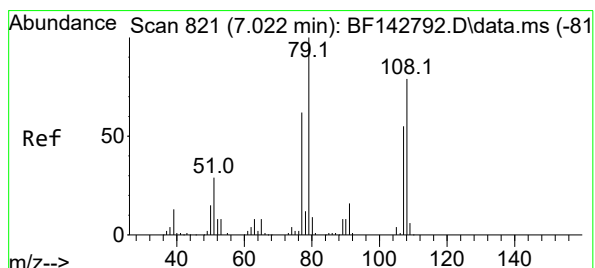
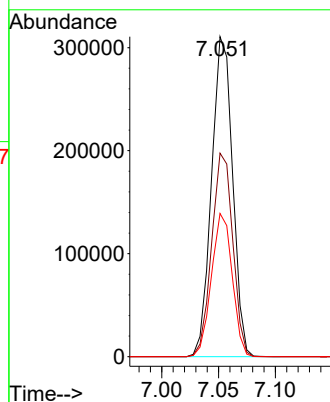
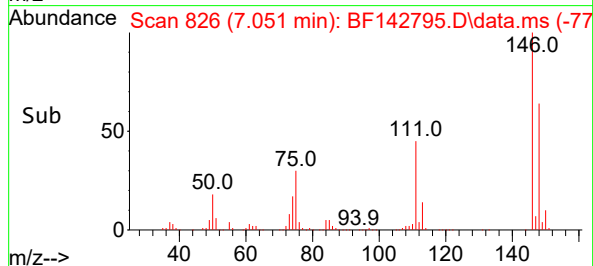


#14
1,2-Dichlorobenzene
Concen: 72.897 ng
RT: 7.051 min Scan# 81
Delta R.T. 0.000 min
Lab File: BF142795.D
Acq: 19 Jun 2025 20:40

Instrument :
BNA_F
ClientSampleId :
SSTDICC080

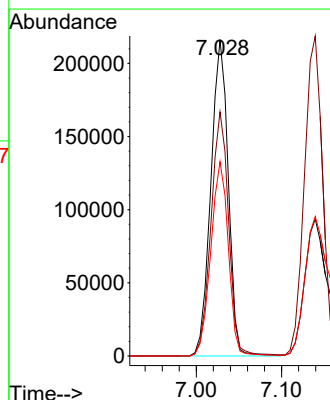
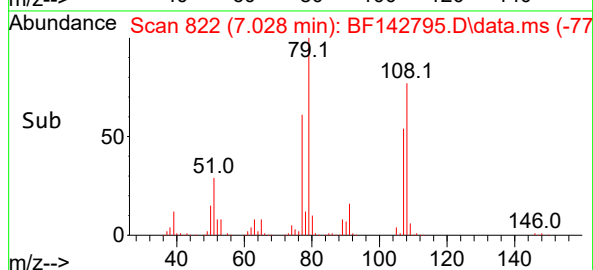
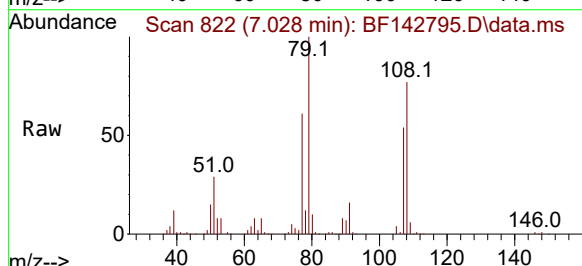


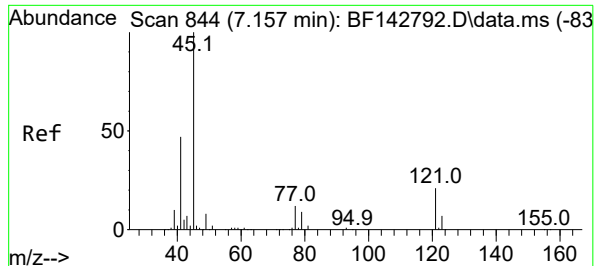
Tgt Ion:146 Resp: 400191
Ion Ratio Lower Upper
146 100
148 63.6 50.4 75.6
111 44.8 34.1 51.1



#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

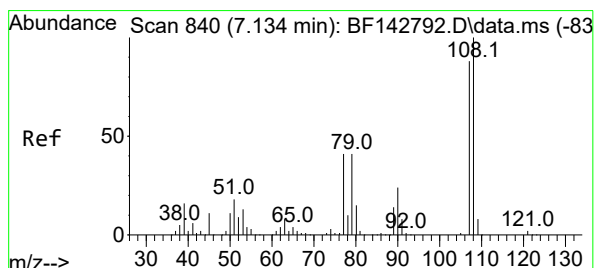
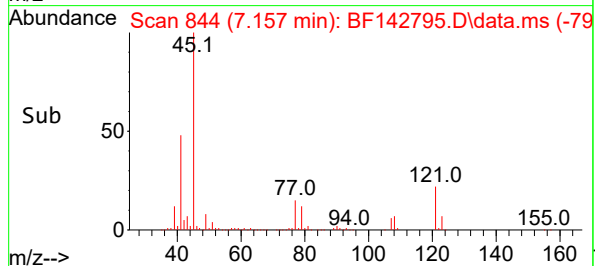
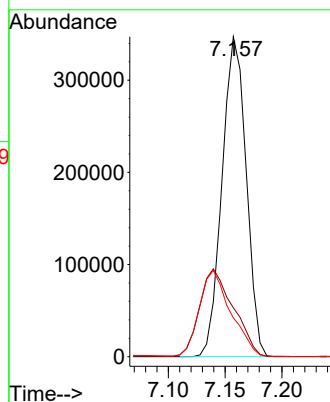
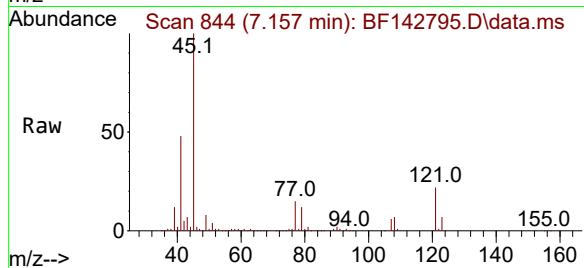
Tgt Ion: 45 Resp: 512514

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

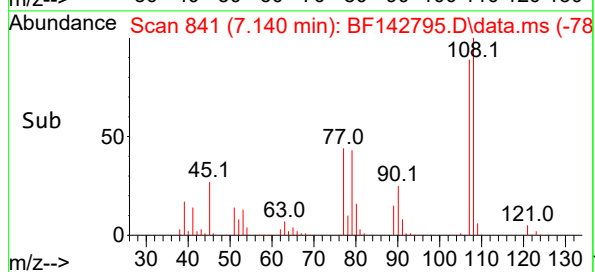
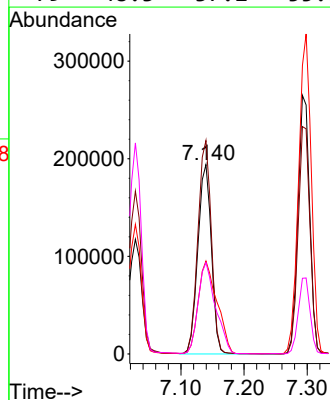
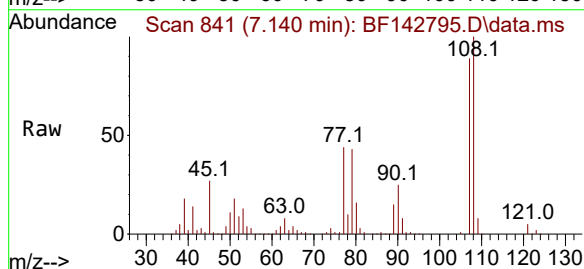
Ion Ratio Lower Upper

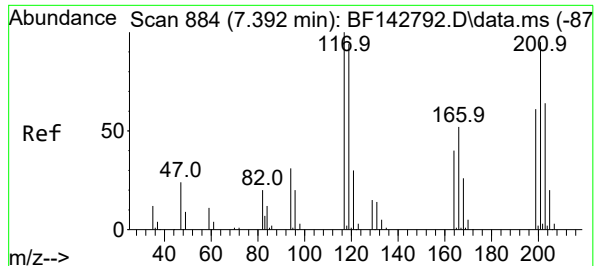
107 100

108 112.7 90.9 136.3

77 49.1 37.3 55.9

79 48.3 37.2 55.8

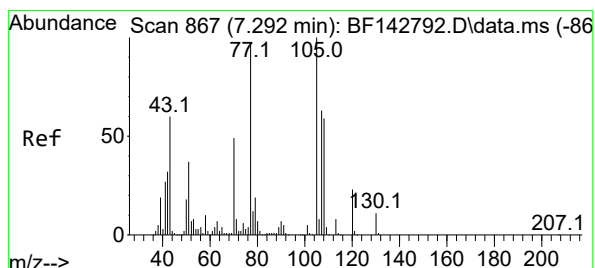
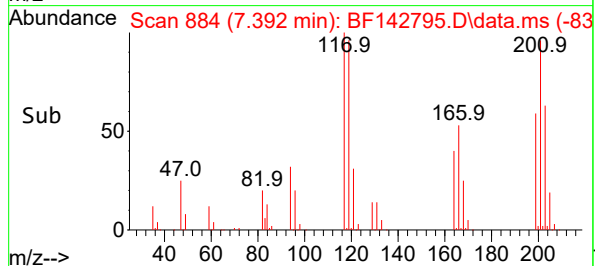
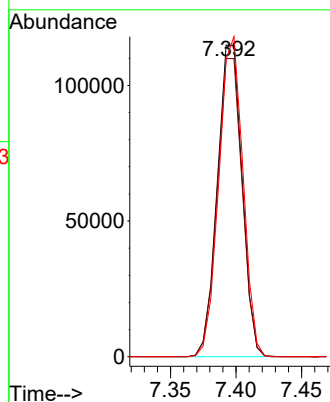
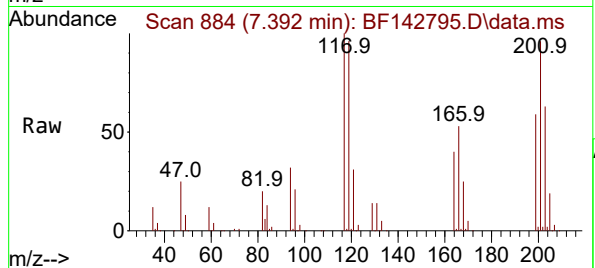




#18
Hexachloroethane
Concen: 73.550 ng
RT: 7.392 min Scan# 884
Delta R.T. 0.000 min
Lab File: BF142795.D
Acq: 19 Jun 2025 20:40

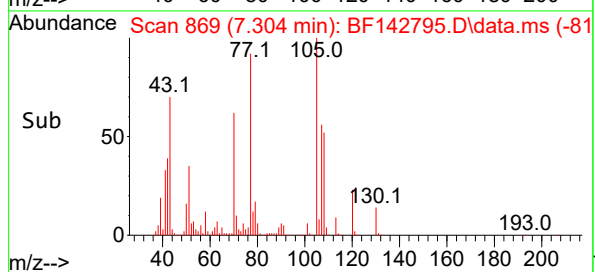
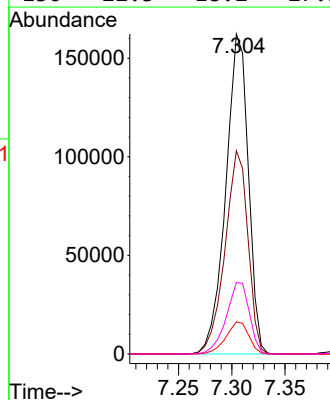
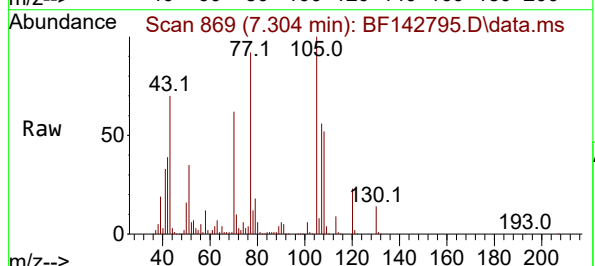
Instrument :
BNA_F
ClientSampleId :
SSTDICC080

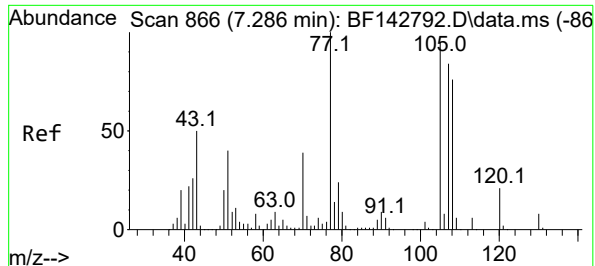
Tgt Ion:117 Resp: 150991
Ion Ratio Lower Upper
117 100
119 95.7 75.4 113.0
201 95.5 75.9 113.9



#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

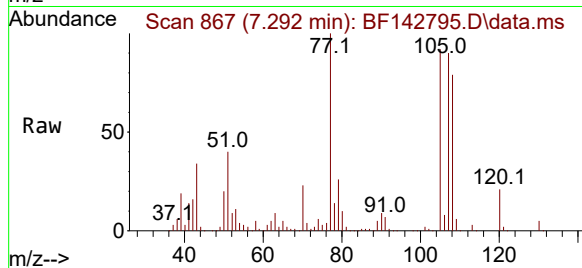
Acq: 19 Jun 2025 20:40

Instrument :

BNA_F

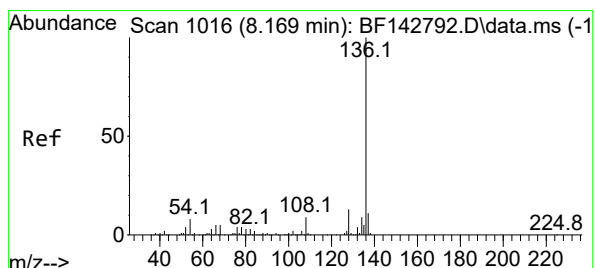
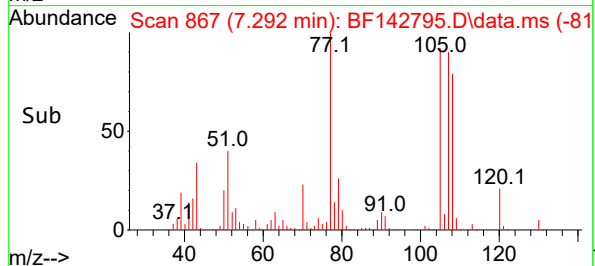
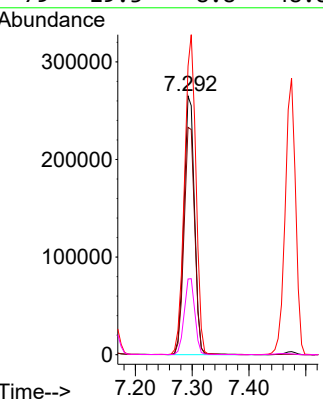
ClientSampleId :

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

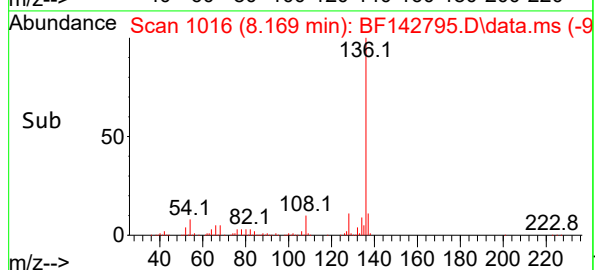
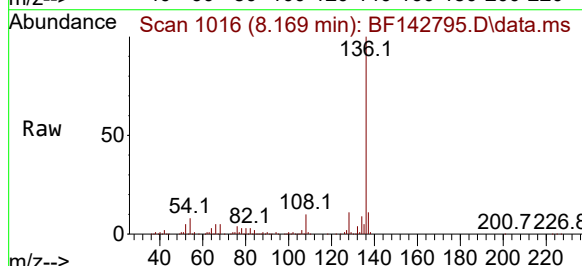
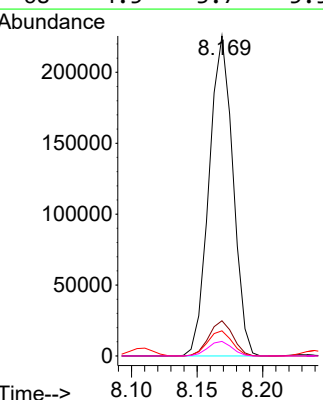
Delta R.T. 0.000 min

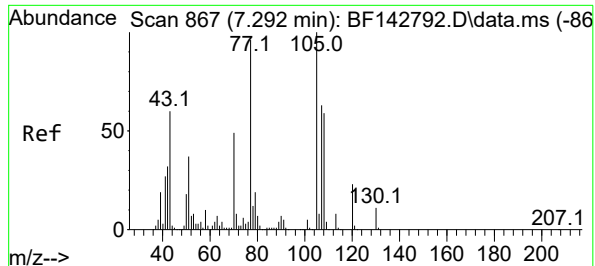
Lab File: BF142795.D

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

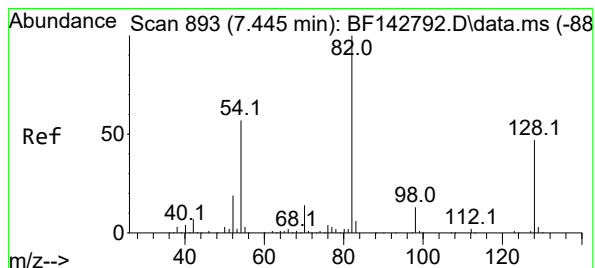
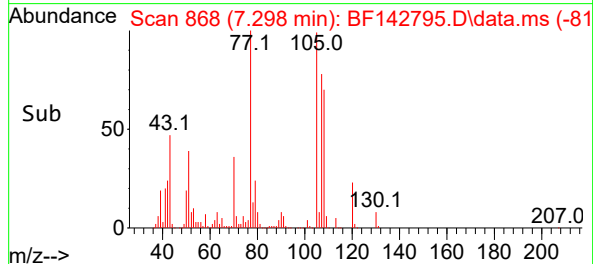
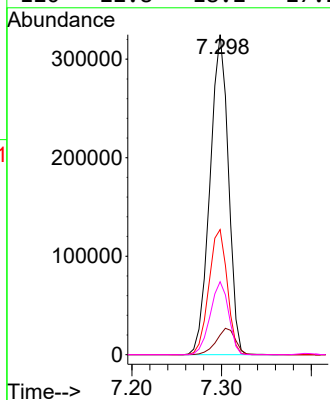
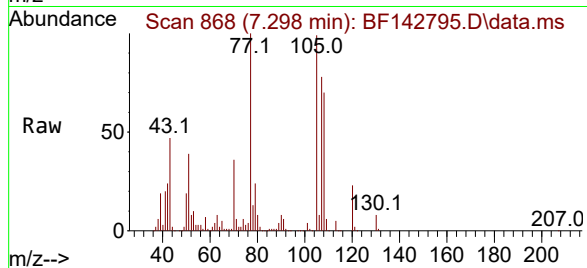




#22
Acetophenone
Concen: 73.349 ng
RT: 7.298 min Scan# 867
Delta R.T. 0.006 min
Lab File: BF142795.D
Acq: 19 Jun 2025 20:40

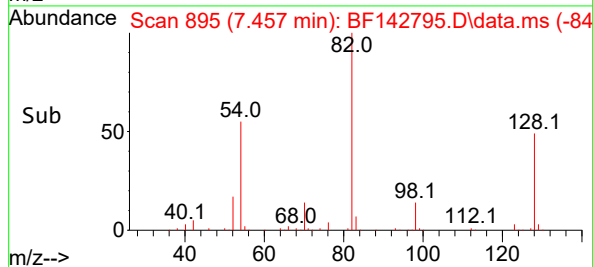
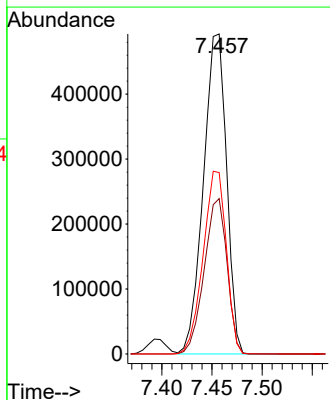
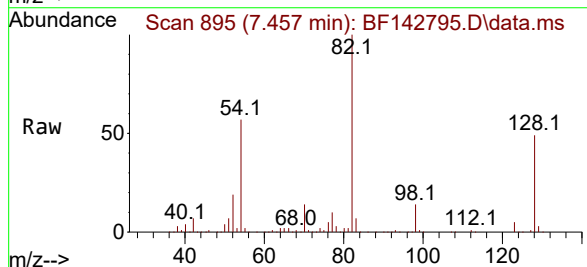
Instrument :
BNA_F
ClientSampleId :
SSTDICC080

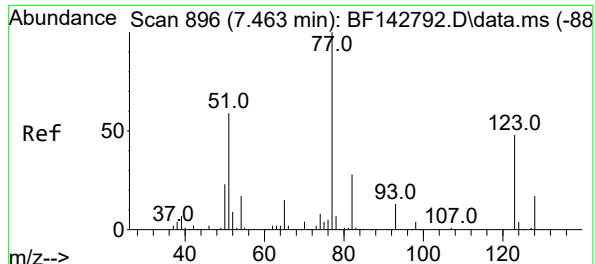
Tgt Ion:105 Resp: 463019
Ion Ratio Lower Upper
105 100
71 6.2 6.5 9.7#
51 39.1 29.8 44.8
120 22.8 18.2 27.2



#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

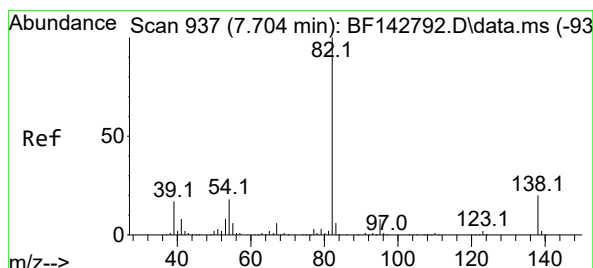
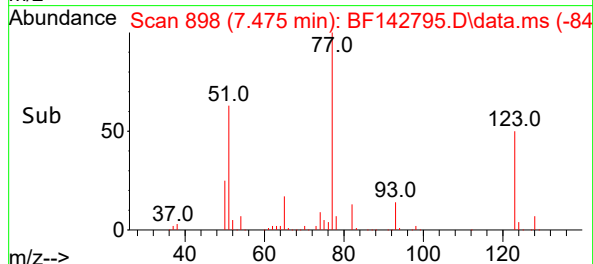
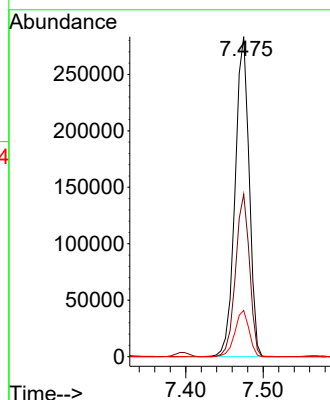
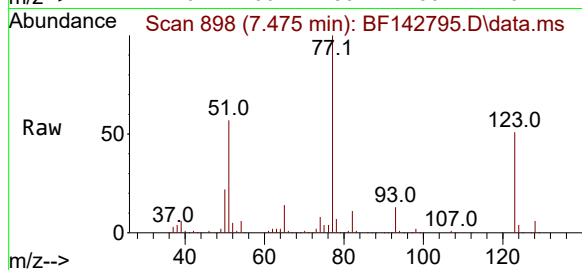
Tgt Ion: 77 Resp: 358834

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

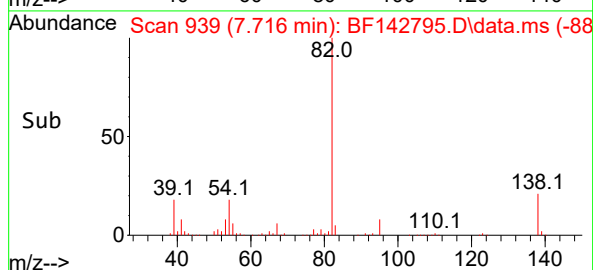
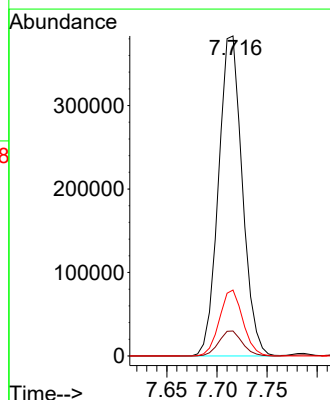
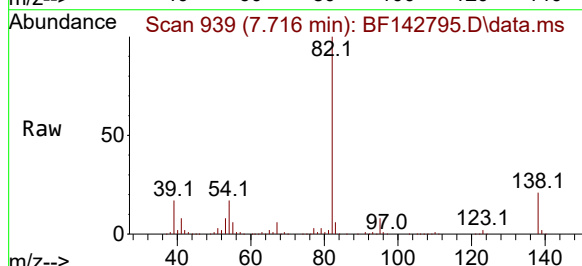
Tgt Ion: 82 Resp: 632390

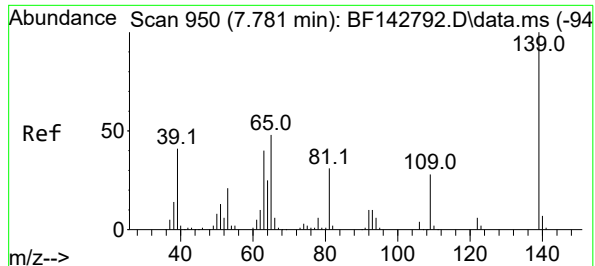
Ion Ratio Lower Upper

82 100

95 7.8 6.2 9.2

138 20.6 16.2 24.4

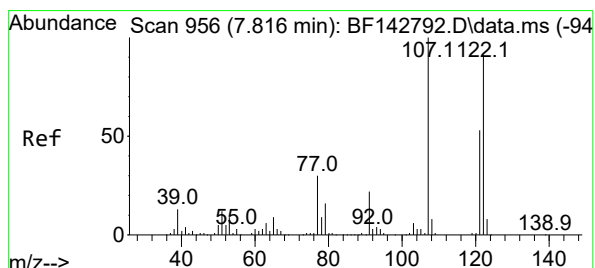
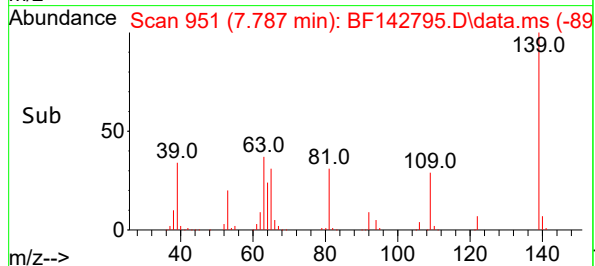
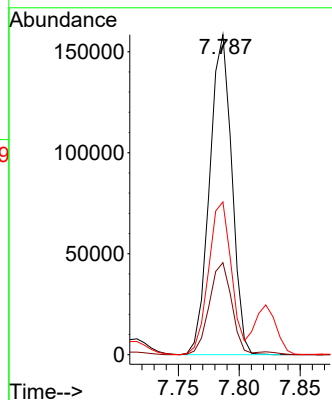
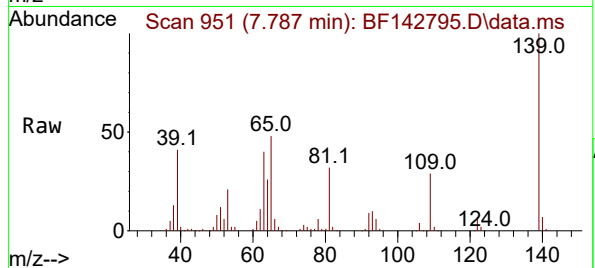




#26
2-Nitrophenol
Concen: 78.009 ng
RT: 7.787 min Scan# 91
Delta R.T. 0.006 min
Lab File: BF142795.D
Acq: 19 Jun 2025 20:40

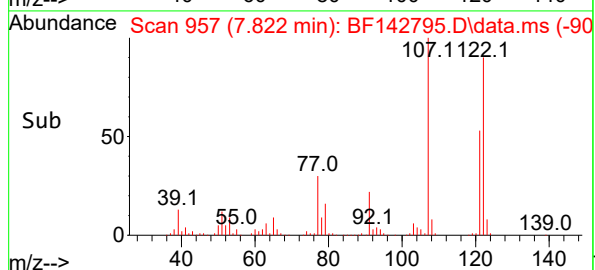
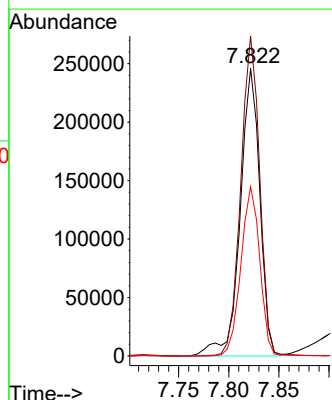
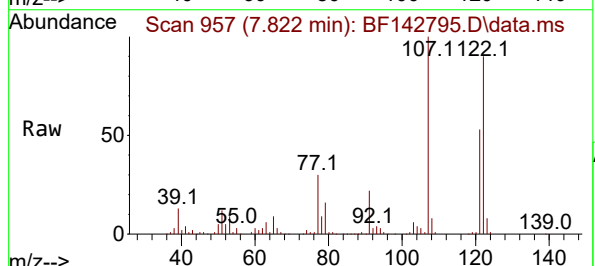
Instrument :
BNA_F
ClientSampleId :
SSTDICC080

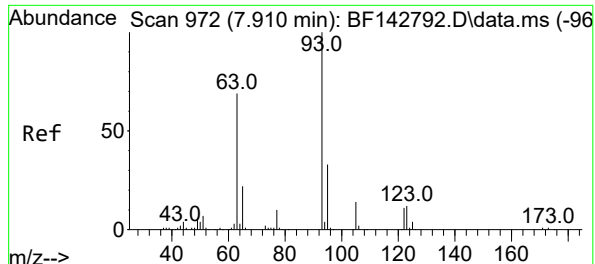
Tgt Ion:139 Resp: 201064
Ion Ratio Lower Upper
139 100
109 28.8 22.7 34.1
65 47.8 38.6 58.0



#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

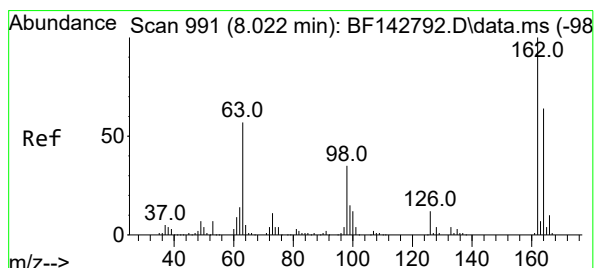
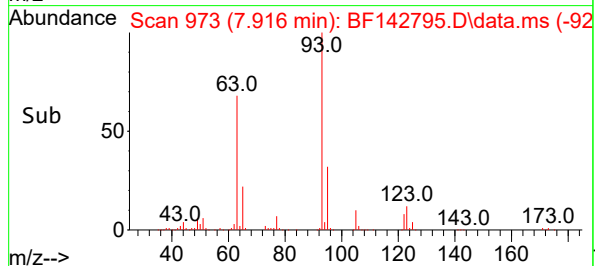
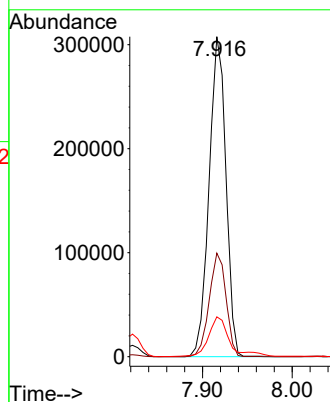
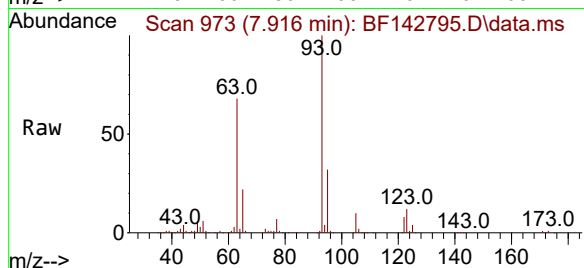
Tgt Ion: 93 Resp: 400973

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

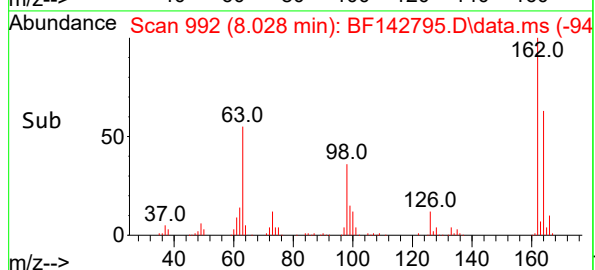
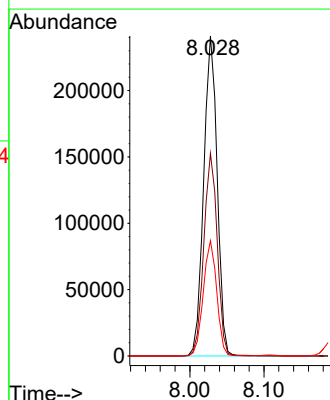
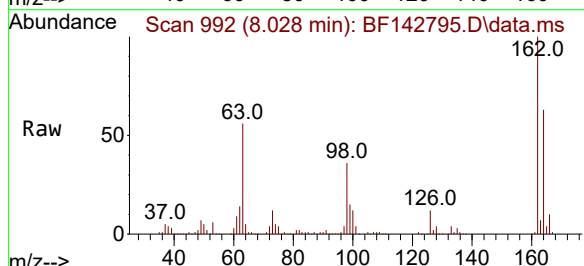
Tgt Ion: 162 Resp: 306123

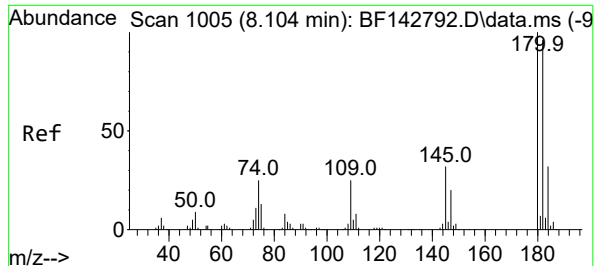
Ion Ratio Lower Upper

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# 1006

Delta R.T. 0.006 min

Lab File: BF142795.D

Acq: 19 Jun 2025 20:40

Instrument :

BNA_F

ClientSampleId :

SSTDICC080

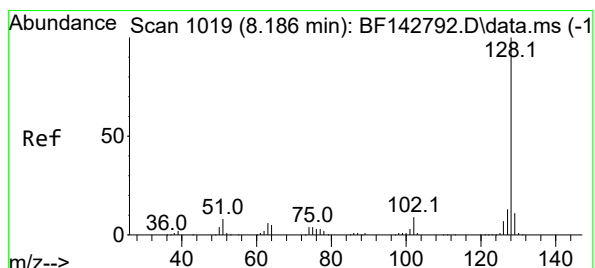
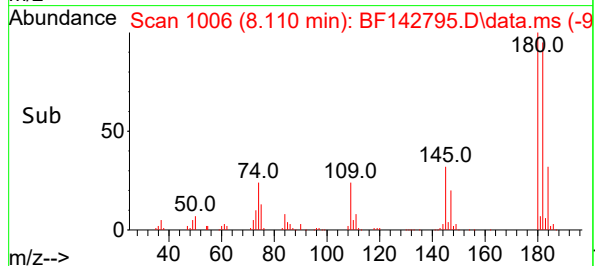
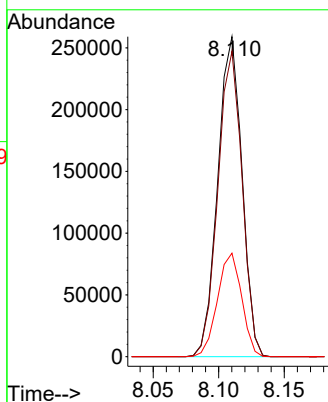
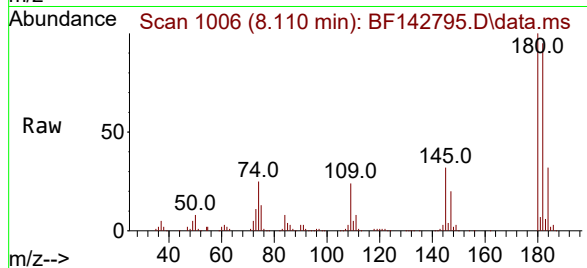
Tgt Ion:180 Resp: 332721

Ion Ratio Lower Upper

180 100

182 95.4 76.4 114.6

145 32.3 25.8 38.8



#31

Naphthalene

Concen: 73.342 ng

RT: 8.192 min Scan# 1020

Delta R.T. 0.006 min

Lab File: BF142795.D

Acq: 19 Jun 2025 20:40

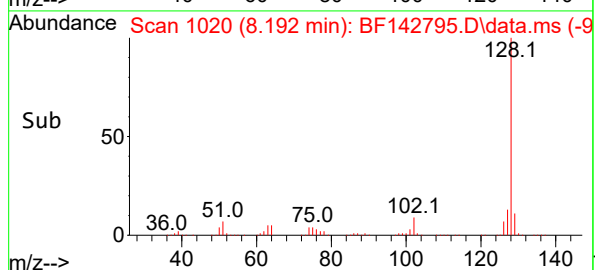
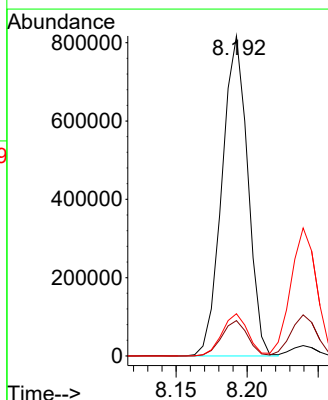
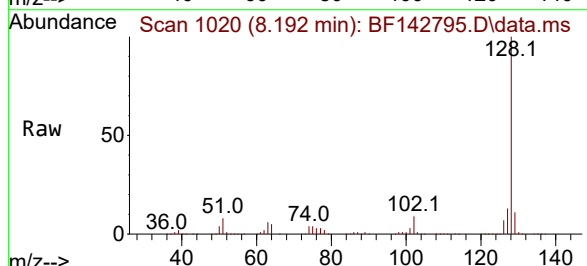
Tgt Ion:128 Resp: 1029082

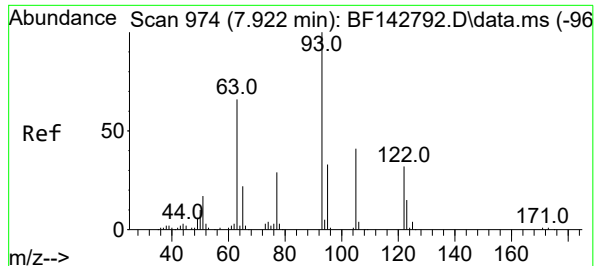
Ion Ratio Lower Upper

128 100

129 11.1 8.9 13.3

127 13.2 10.4 15.6





#32

Benzoic acid

Concen: 79.082 ng

RT: 7.957 min Scan# 91

Delta R.T. 0.035 min

Lab File: BF142795.D

Acq: 19 Jun 2025 20:40

Instrument :

BNA_F

ClientSampleId :

SSTDICC080

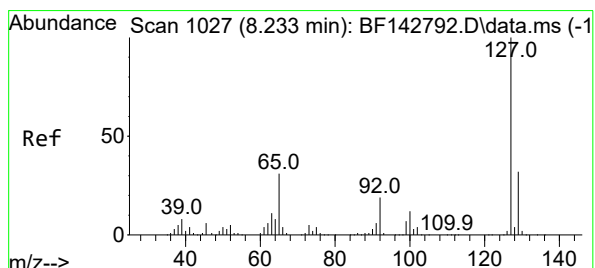
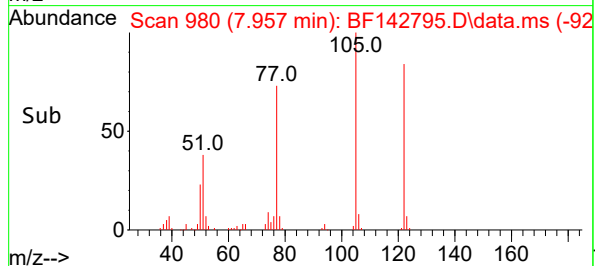
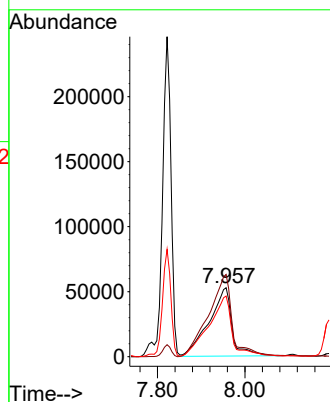
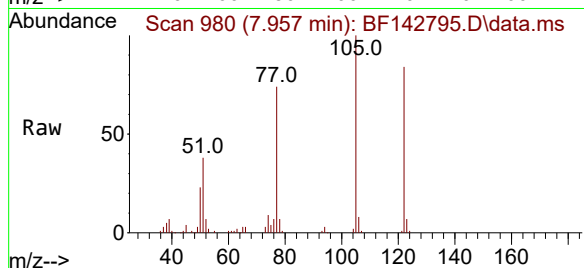
Tgt Ion:122 Resp: 192536

Ion Ratio Lower Upper

122 100

105 119.5 104.7 144.7

77 88.0 70.2 110.2



#33

4-Chloroaniline

Concen: 73.608 ng

RT: 8.239 min Scan# 1028

Delta R.T. 0.006 min

Lab File: BF142795.D

Acq: 19 Jun 2025 20:40

Tgt Ion:127 Resp: 413911

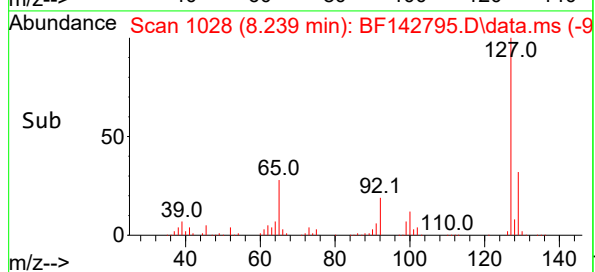
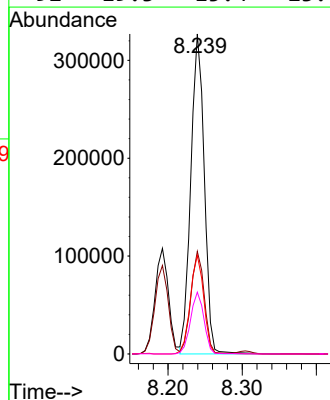
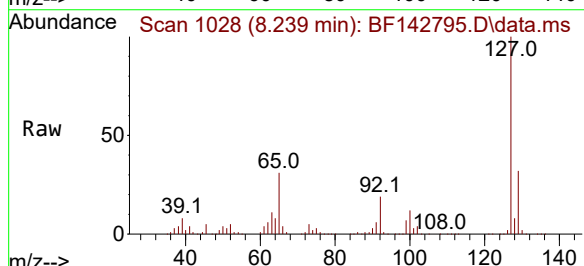
Ion Ratio Lower Upper

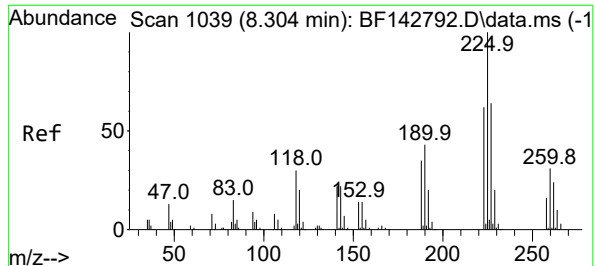
127 100

129 32.1 25.9 38.9

65 30.8 24.6 36.8

92 19.3 15.4 23.0





#34

Hexachlorobutadiene

Concen: 72.088 ng

RT: 8.304 min Scan# 1039

Delta R.T. 0.000 min

Lab File: BF142795.D

Acq: 19 Jun 2025 20:40

Instrument :

BNA_F

ClientSampleId :

SSTDICC080

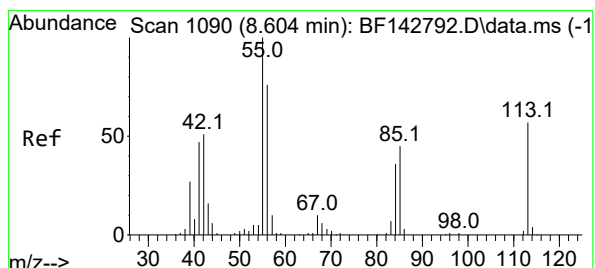
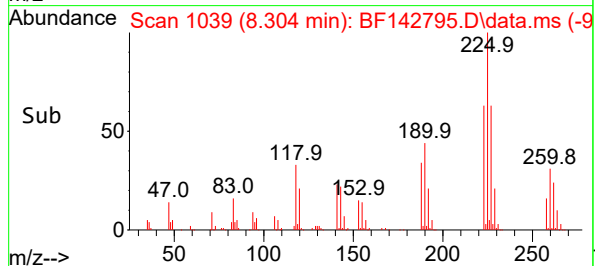
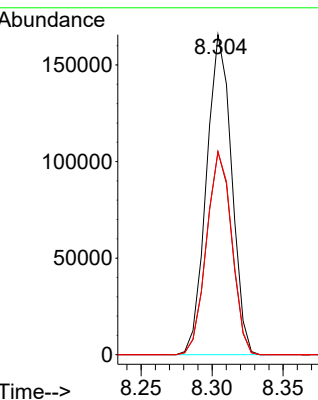
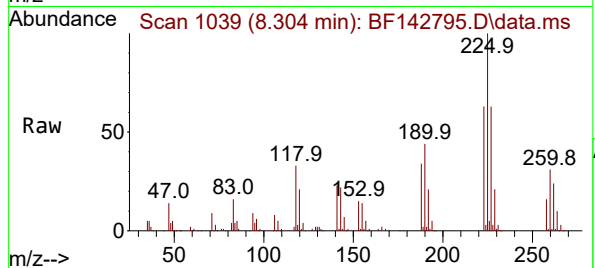
Tgt Ion:225 Resp: 204081

Ion Ratio Lower Upper

225 100

223 63.4 49.9 74.9

227 63.5 51.4 77.0



#35

Caprolactam

Concen: 71.952 ng

RT: 8.628 min Scan# 1094

Delta R.T. 0.024 min

Lab File: BF142795.D

Acq: 19 Jun 2025 20:40

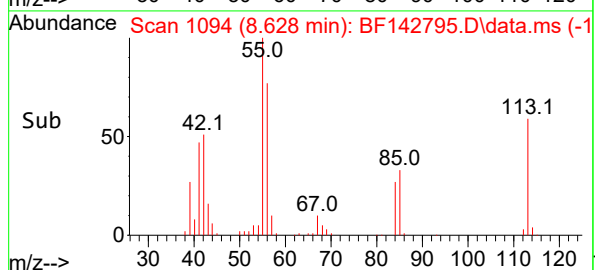
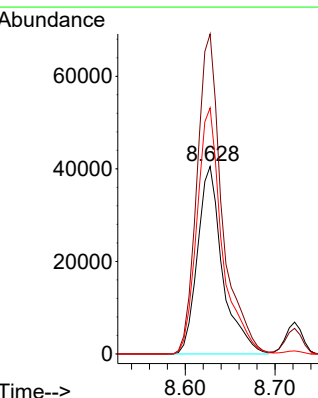
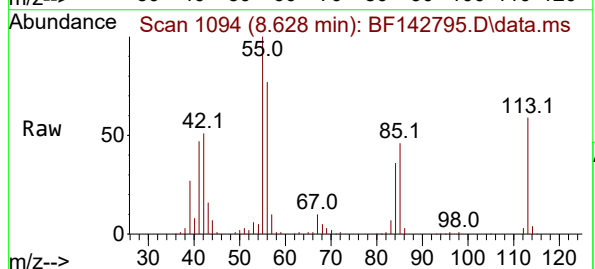
Tgt Ion:113 Resp: 78302

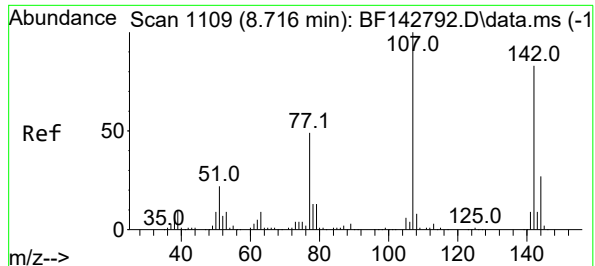
Ion Ratio Lower Upper

113 100

55 170.6 154.4 194.4

56 131.2 112.1 152.1





#36

4-Chloro-3-methylphenol

Concen: 70.974 ng

RT: 8.722 min Scan# 1110

Delta R.T. 0.006 min

Lab File: BF142795.D

Acq: 19 Jun 2025 20:40

Instrument :

BNA_F

ClientSampleId :

SSTDICC080

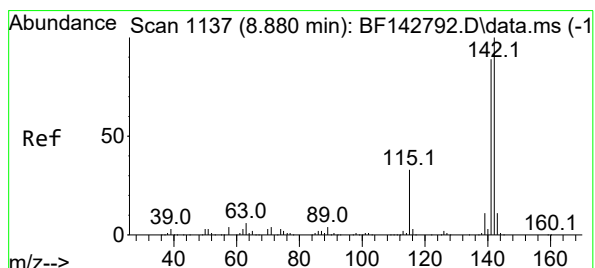
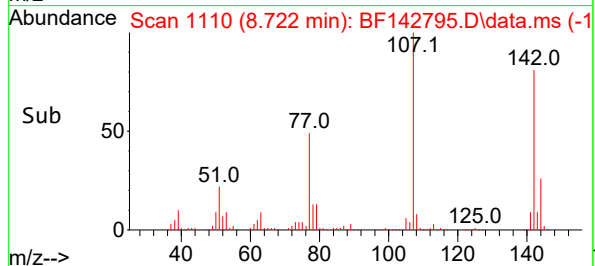
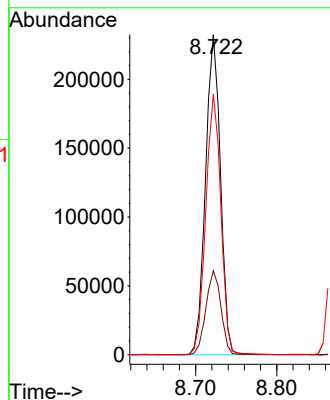
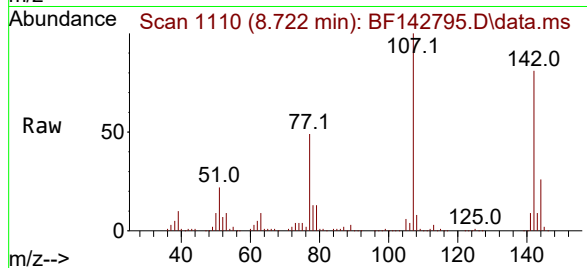
Tgt Ion:107 Resp: 296520

Ion Ratio Lower Upper

107 100

144 26.2 21.3 31.9

142 81.4 66.6 100.0



#37

2-Methylnaphthalene

Concen: 70.857 ng

RT: 8.881 min Scan# 1137

Delta R.T. 0.000 min

Lab File: BF142795.D

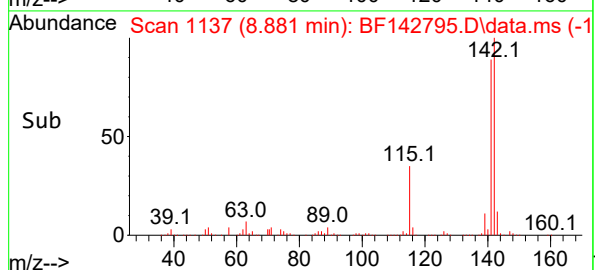
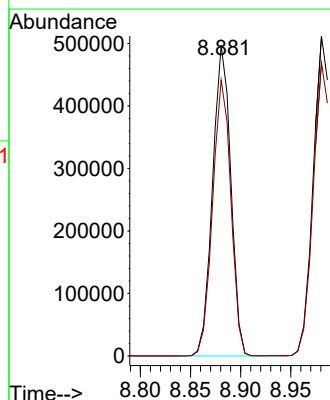
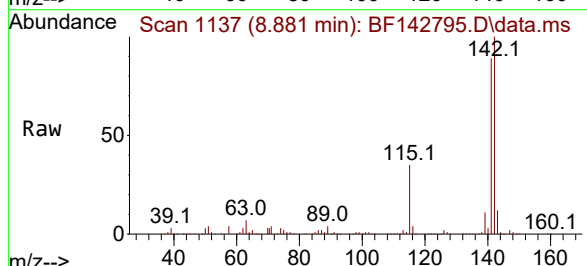
Acq: 19 Jun 2025 20:40

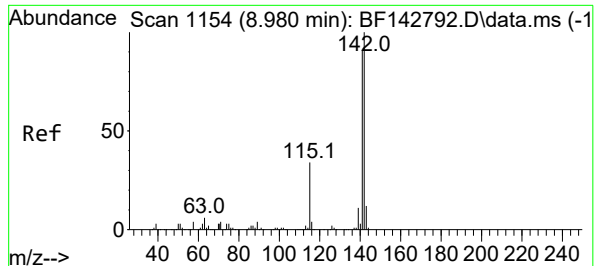
Tgt Ion:142 Resp: 627195

Ion Ratio Lower Upper

142 100

141 88.8 70.9 106.3





#38

1-Methylnaphthalene

Concen: 69.952 ng

RT: 8.981 min Scan# 1154

Delta R.T. 0.000 min

Lab File: BF142795.D

Acq: 19 Jun 2025 20:40

Instrument :

BNA_F

ClientSampleId :

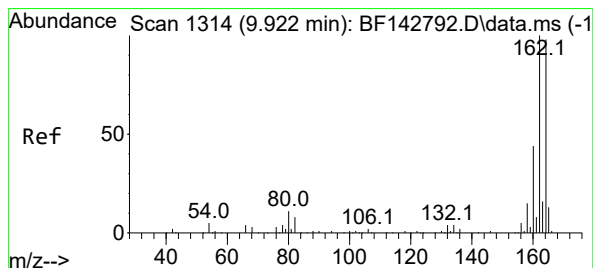
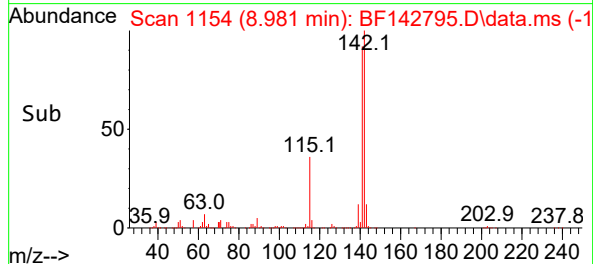
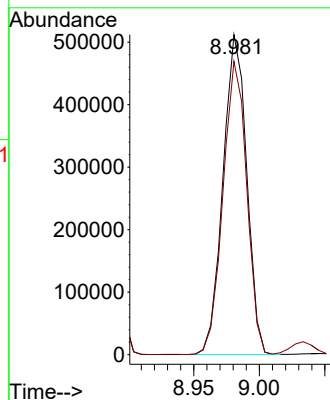
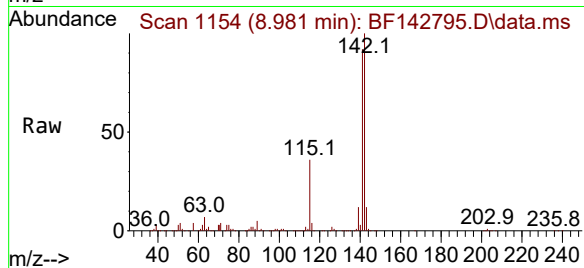
SSTDICC080

Tgt Ion:142 Resp: 642853

Ion Ratio Lower Upper

142 100

141 91.7 73.0 109.4



#39

Acenaphthene-d10

Concen: 20.000 ng

RT: 9.928 min Scan# 1315

Delta R.T. 0.006 min

Lab File: BF142795.D

Acq: 19 Jun 2025 20:40

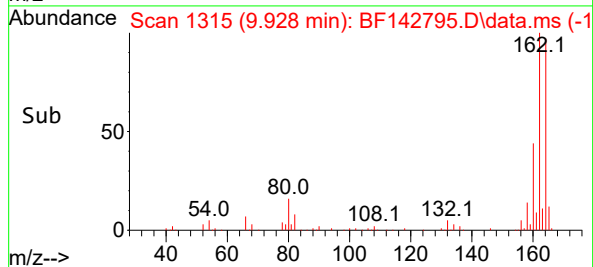
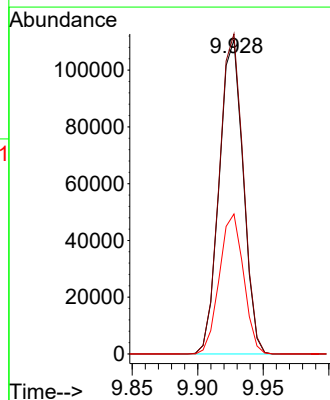
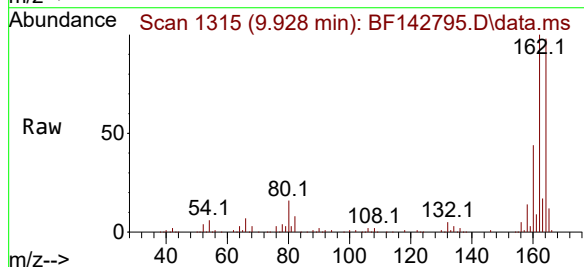
Tgt Ion:164 Resp: 140262

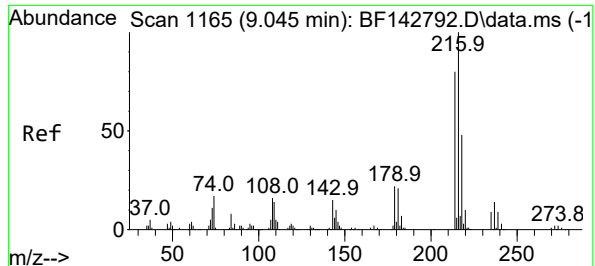
Ion Ratio Lower Upper

164 100

162 101.9 81.8 122.8

160 44.6 36.0 54.0

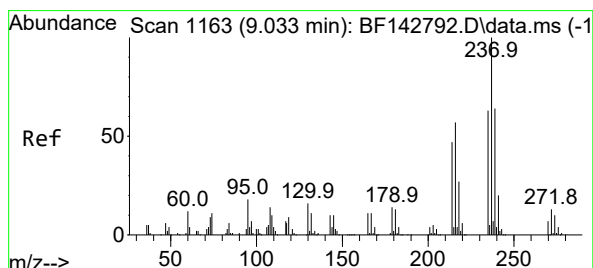
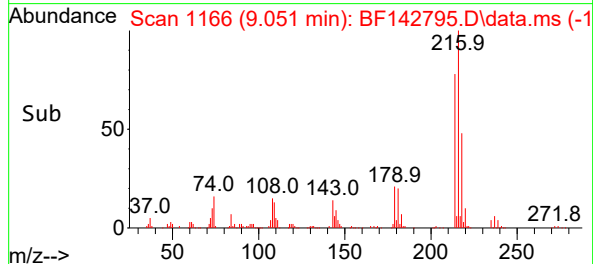
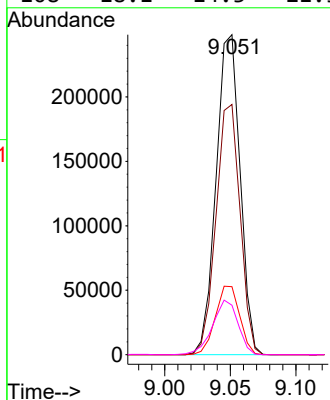
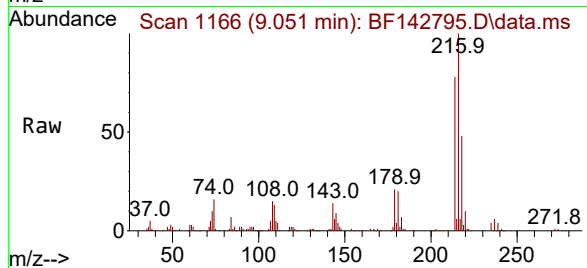




#40
1,2,4,5-Tetrachlorobenzene
Concen: 78.028 ng
RT: 9.051 min Scan# 1166
Delta R.T. 0.006 min
Lab File: BF142795.D
Acq: 19 Jun 2025 20:40

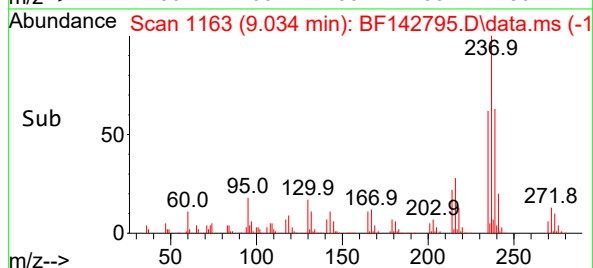
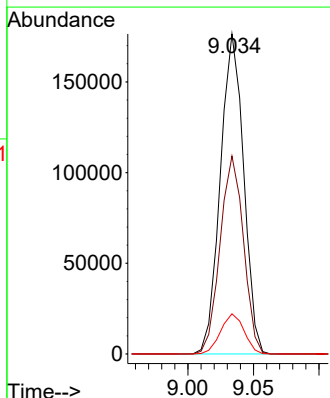
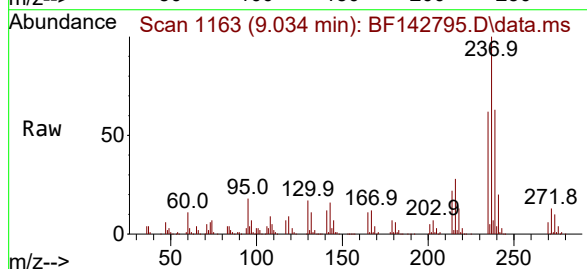
Instrument :
BNA_F
ClientSampleId :
SSTDICC080

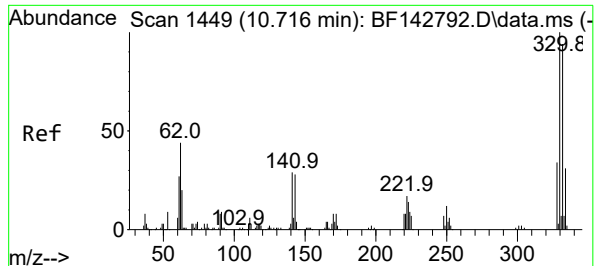
Tgt Ion:216 Resp: 315930
Ion Ratio Lower Upper
216 100
214 78.5 63.7 95.5
179 21.7 17.6 26.4
108 18.1 14.3 21.5



#41
Hexachlorocyclopentadiene
Concen: 85.183 ng
RT: 9.034 min Scan# 1163
Delta R.T. 0.000 min
Lab File: BF142795.D
Acq: 19 Jun 2025 20:40

Tgt Ion:237 Resp: 218091
Ion Ratio Lower Upper
237 100
235 61.9 43.4 83.4
272 12.6 0.0 32.7





#42

2,4,6-Tribromophenol

Concen: 137.823 ng

RT: 10.722 min Scan# 1449

Delta R.T. 0.006 min

Lab File: BF142795.D

Acq: 19 Jun 2025 20:40

Instrument :

BNA_F

ClientSampleId :

SSTDICC080

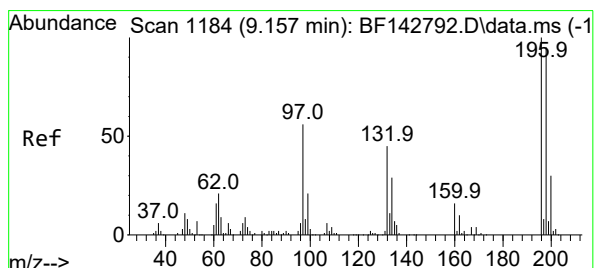
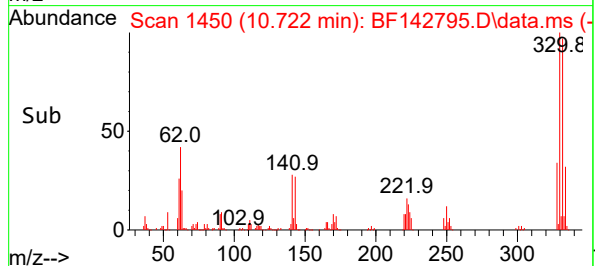
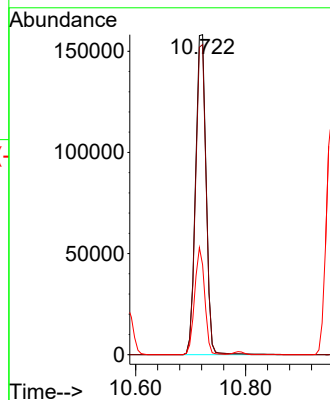
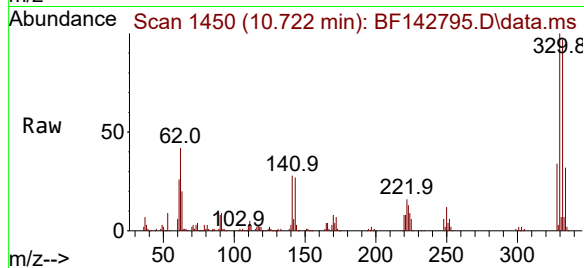
Tgt Ion:330 Resp: 210092

Ion Ratio Lower Upper

330 100

332 96.7 75.0 112.6

141 31.9 25.3 37.9



#43

2,4,6-Trichlorophenol

Concen: 79.375 ng

RT: 9.163 min Scan# 1185

Delta R.T. 0.006 min

Lab File: BF142795.D

Acq: 19 Jun 2025 20:40

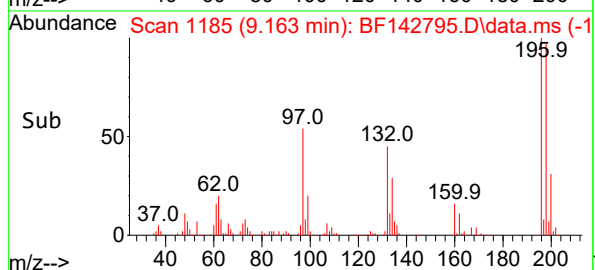
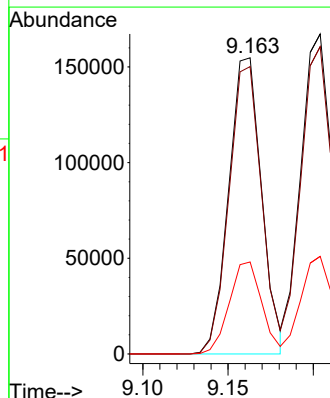
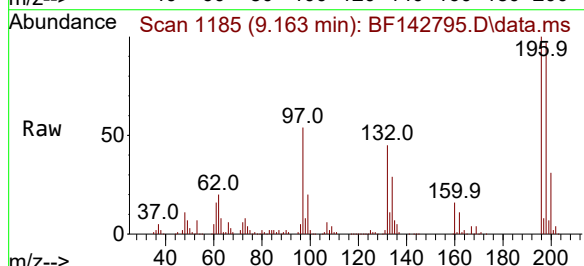
Tgt Ion:196 Resp: 207984

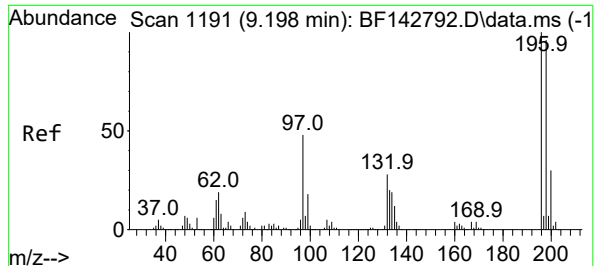
Ion Ratio Lower Upper

196 100

198 97.1 76.2 114.2

200 31.1 24.1 36.1





#44

2,4,5-Trichlorophenol

Concen: 76.993 ng

RT: 9.204 min Scan# 1191

Delta R.T. 0.006 min

Lab File: BF142795.D

Acq: 19 Jun 2025 20:40

Instrument :

BNA_F

ClientSampleId :

SSTDICC080

Tgt Ion:196 Resp: 217860

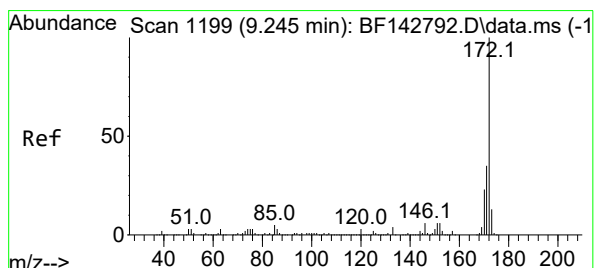
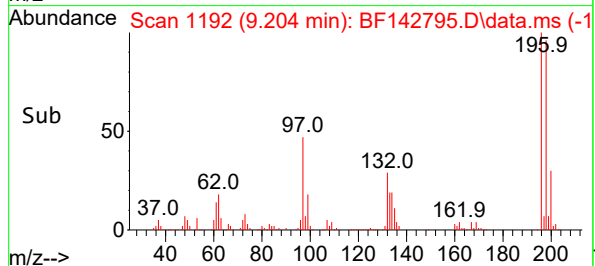
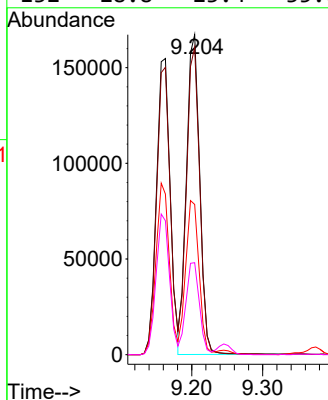
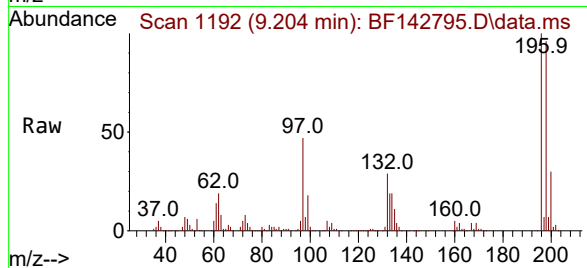
Ion Ratio Lower Upper

196 100

198 96.1 76.6 115.0

97 47.0 38.2 57.2

132 28.8 23.4 35.0



#45

2-Fluorobiphenyl

Concen: 143.770 ng

RT: 9.245 min Scan# 1199

Delta R.T. 0.000 min

Lab File: BF142795.D

Acq: 19 Jun 2025 20:40

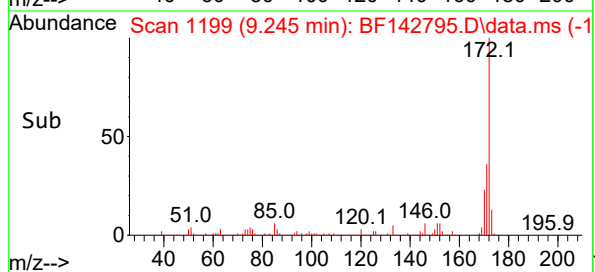
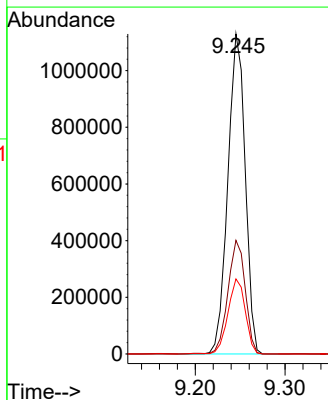
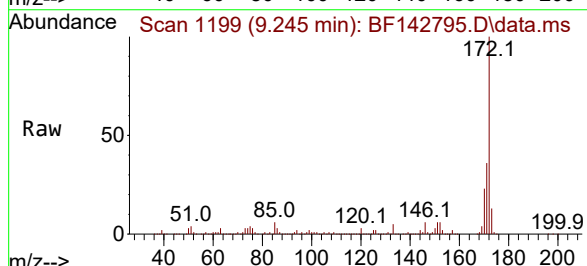
Tgt Ion:172 Resp: 1515847

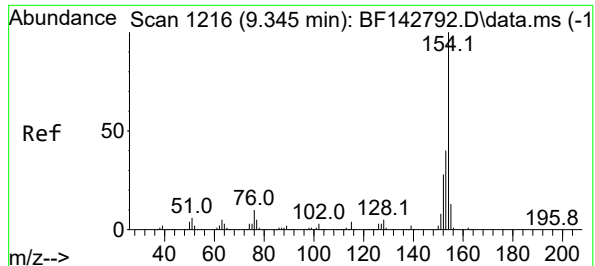
Ion Ratio Lower Upper

172 100

171 35.5 28.2 42.4

170 23.5 18.5 27.7





#46

1,1'-Biphenyl

Concen: 75.525 ng

RT: 9.345 min Scan# 11

Delta R.T. 0.000 min

Lab File: BF142795.D

Acq: 19 Jun 2025 20:40

Instrument :

BNA_F

ClientSampleId :

SSTDICC080

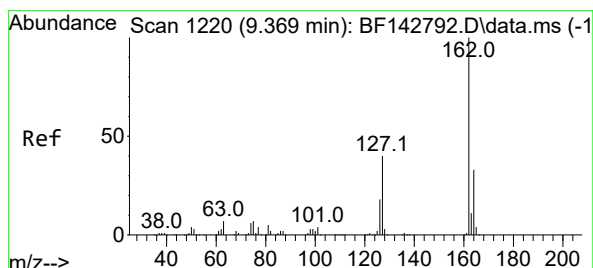
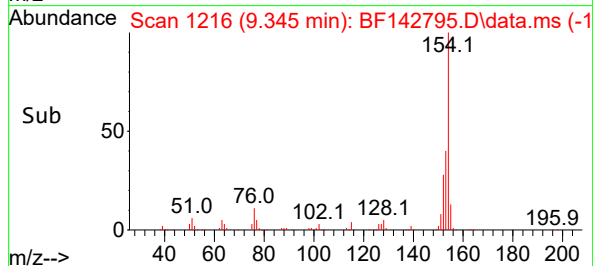
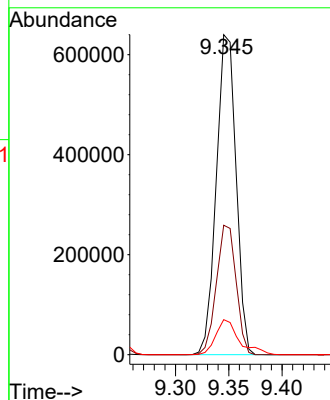
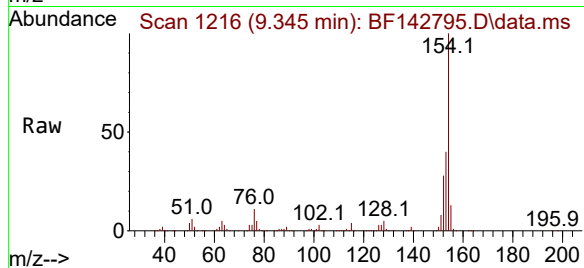
Tgt Ion:154 Resp: 822529

Ion Ratio Lower Upper

154 100

153 40.4 20.3 60.3

76 10.9 0.0 30.3



#47

2-Chloronaphthalene

Concen: 77.199 ng

RT: 9.375 min Scan# 1221

Delta R.T. 0.006 min

Lab File: BF142795.D

Acq: 19 Jun 2025 20:40

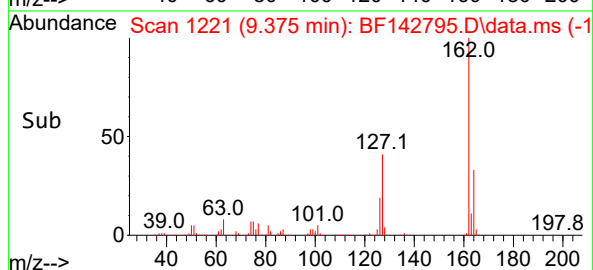
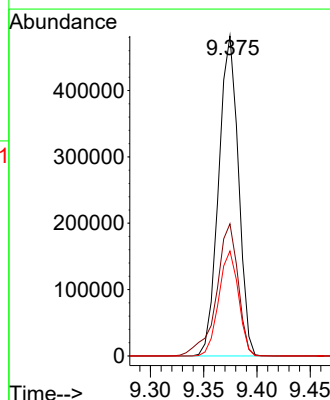
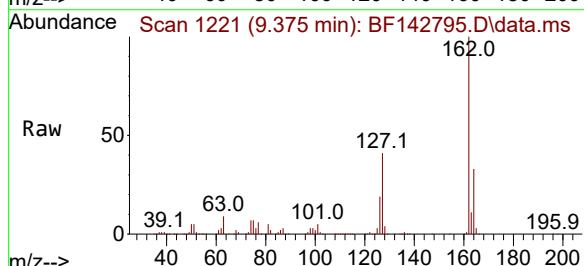
Tgt Ion:162 Resp: 620399

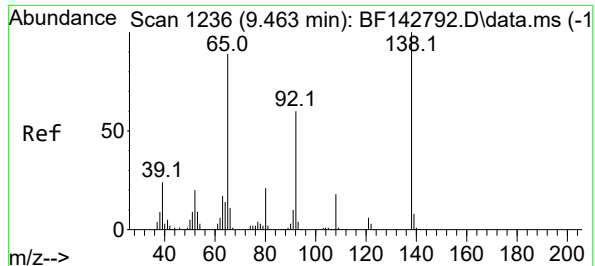
Ion Ratio Lower Upper

162 100

127 41.3 32.2 48.2

164 32.8 26.1 39.1

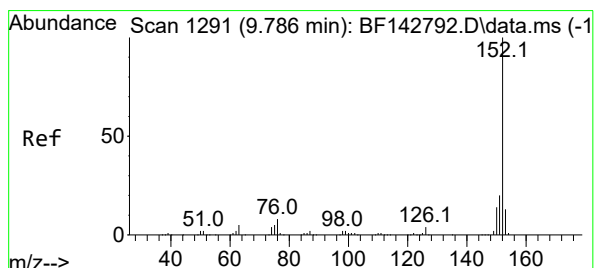
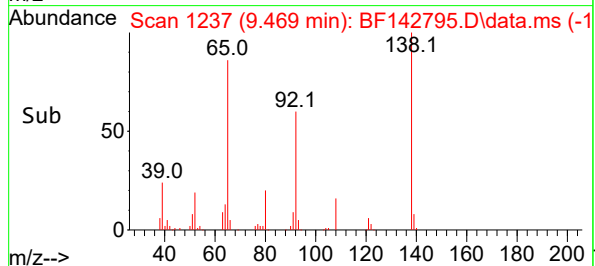
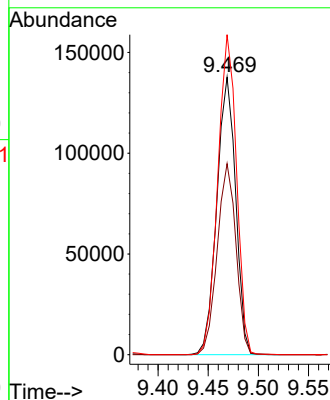
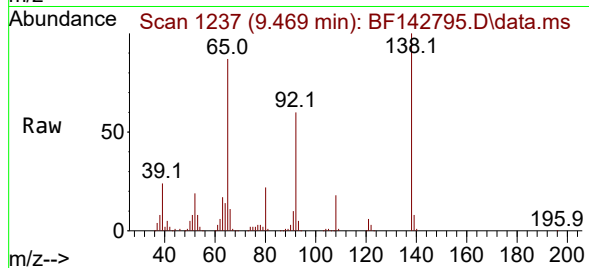




#48
2-Nitroaniline
Concen: 78.716 ng
RT: 9.469 min Scan# 1236
Delta R.T. 0.006 min
Lab File: BF142795.D
Acq: 19 Jun 2025 20:40

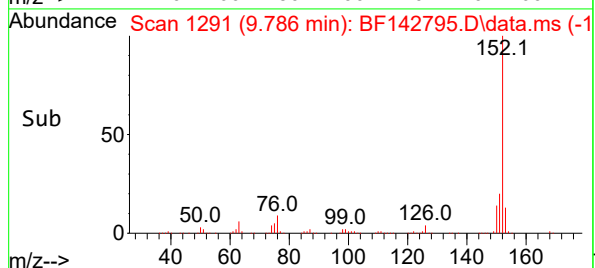
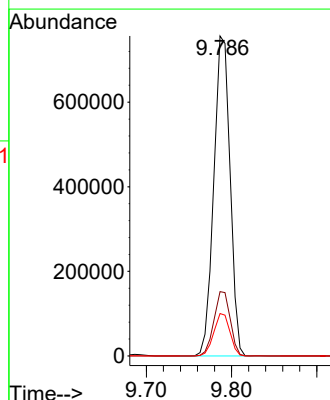
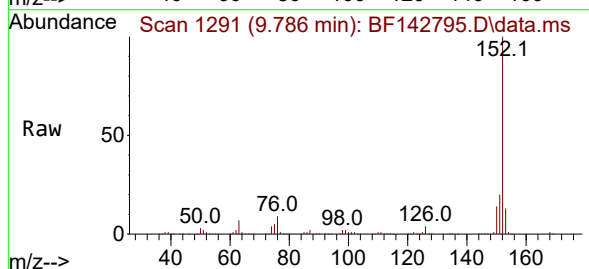
Instrument :
BNA_F
ClientSampleId :
SSTDICC080

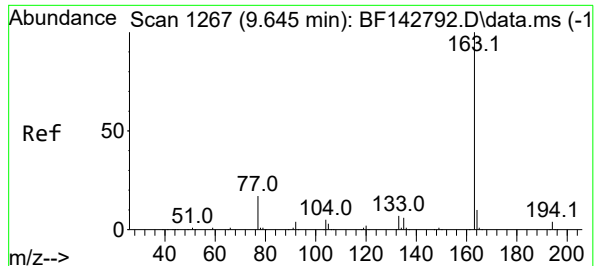
Tgt Ion: 65 Resp: 179718
Ion Ratio Lower Upper
65 100
92 68.8 53.8 80.6
138 115.3 89.6 134.4



#49
Acenaphthylene
Concen: 74.207 ng
RT: 9.786 min Scan# 1291
Delta R.T. 0.000 min
Lab File: BF142795.D
Acq: 19 Jun 2025 20:40

Tgt Ion: 152 Resp: 1002569
Ion Ratio Lower Upper
152 100
151 20.1 16.1 24.1
153 13.2 10.4 15.6





#50

Dimethylphthalate

Concen: 71.510 ng

RT: 9.651 min Scan# 1268

Delta R.T. 0.006 min

Lab File: BF142795.D

Acq: 19 Jun 2025 20:40

Instrument :

BNA_F

ClientSampleId :

SSTDICC080

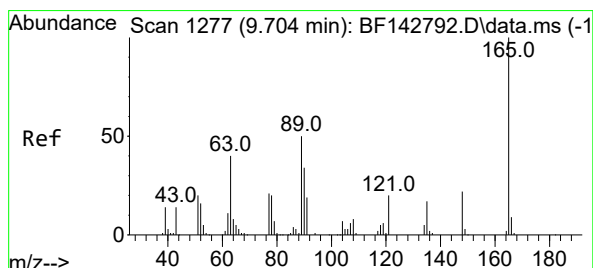
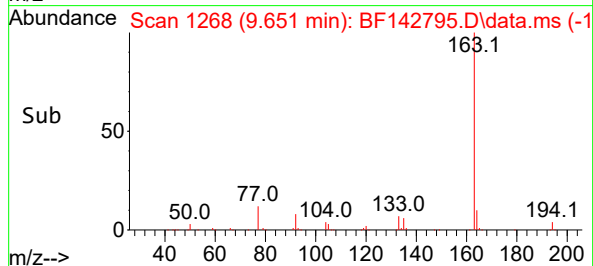
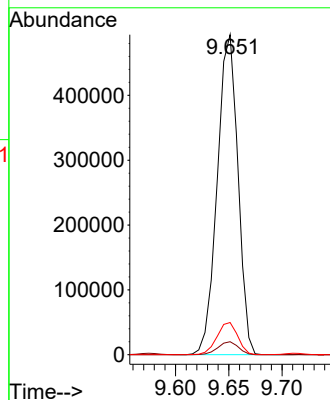
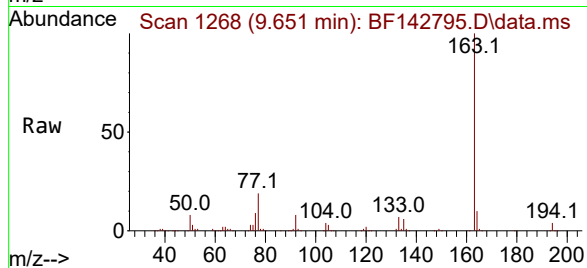
Tgt Ion:163 Resp: 665322

Ion Ratio Lower Upper

163 100

194 4.1 3.3 4.9

164 10.1 8.0 12.0



#51

2,6-Dinitrotoluene

Concen: 74.654 ng

RT: 9.710 min Scan# 1278

Delta R.T. 0.006 min

Lab File: BF142795.D

Acq: 19 Jun 2025 20:40

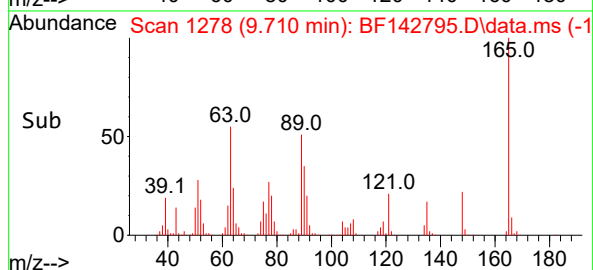
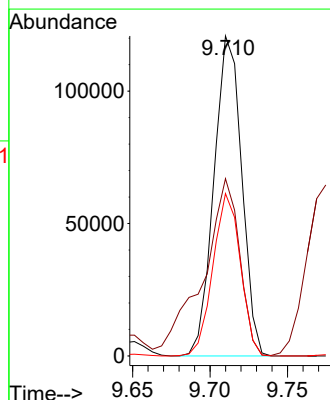
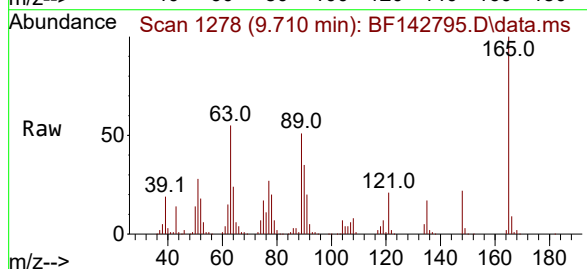
Tgt Ion:165 Resp: 150567

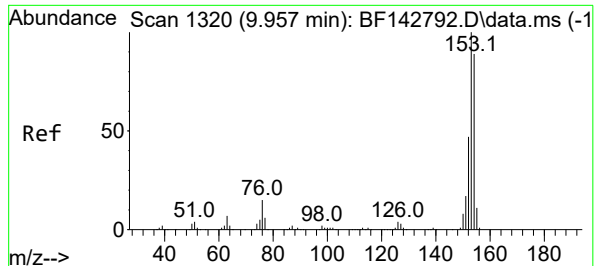
Ion Ratio Lower Upper

165 100

63 55.4 44.2 66.4

89 50.8 39.8 59.8

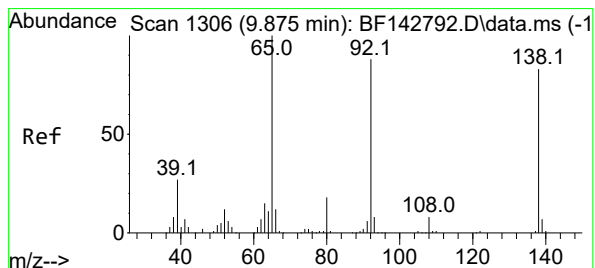
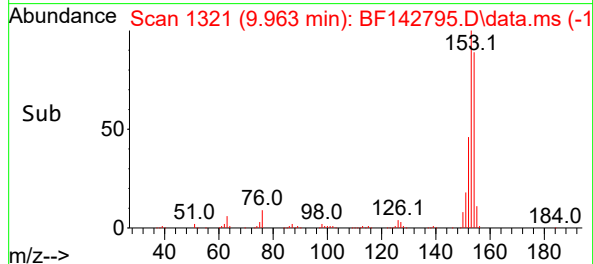
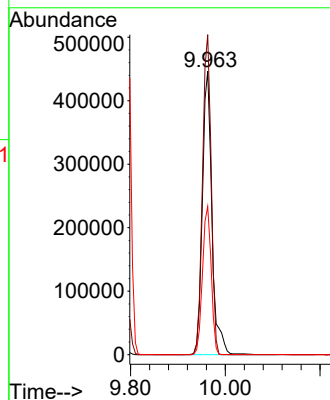
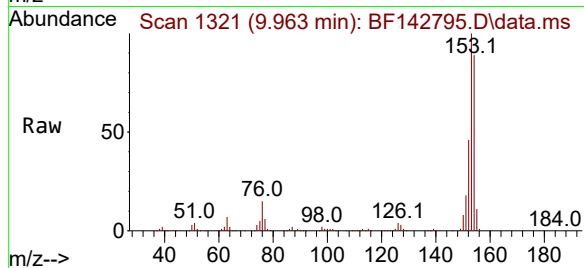




#52
Acenaphthene
Concen: 74.322 ng
RT: 9.963 min Scan# 1321
Delta R.T. 0.006 min
Lab File: BF142795.D
Acq: 19 Jun 2025 20:40

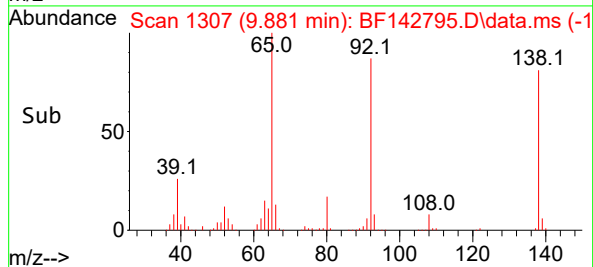
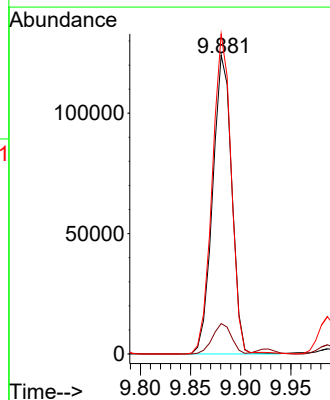
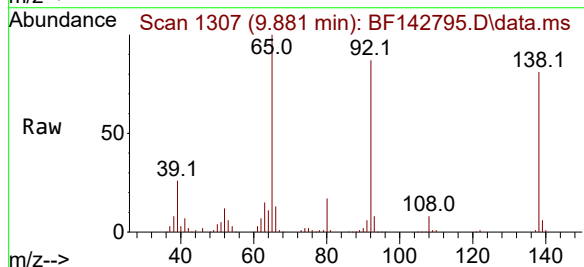
Instrument :
BNA_F
ClientSampleId :
SSTDICC080

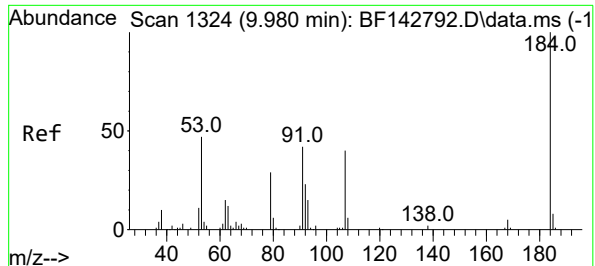
Tgt Ion:154 Resp: 621336
Ion Ratio Lower Upper
154 100
153 112.9 90.0 135.0
152 52.3 41.9 62.9



#53
3-Nitroaniline
Concen: 74.903 ng
RT: 9.881 min Scan# 1307
Delta R.T. 0.006 min
Lab File: BF142795.D
Acq: 19 Jun 2025 20:40

Tgt Ion:138 Resp: 164090
Ion Ratio Lower Upper
138 100
108 10.2 8.1 12.1
92 107.1 85.1 127.7





#54

2,4-Dinitrophenol

Concen: 78.050 ng

RT: 9.986 min Scan# 1

Delta R.T. 0.006 min

Lab File: BF142795.D

Acq: 19 Jun 2025 20:40

Instrument :

BNA_F

ClientSampleId :

SSTDICC080

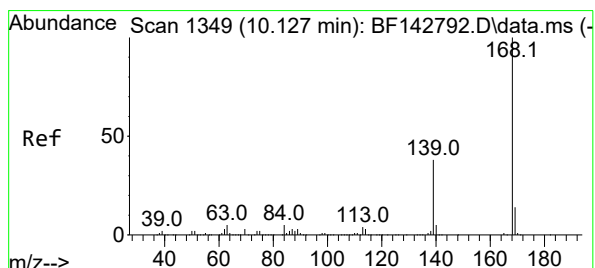
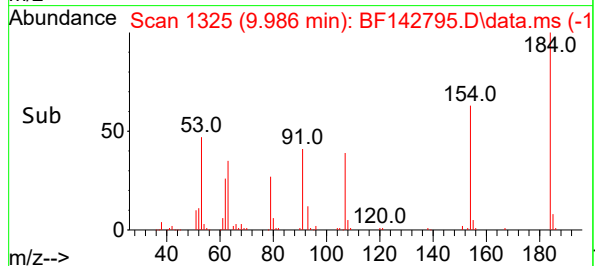
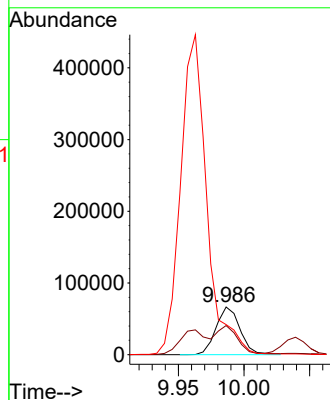
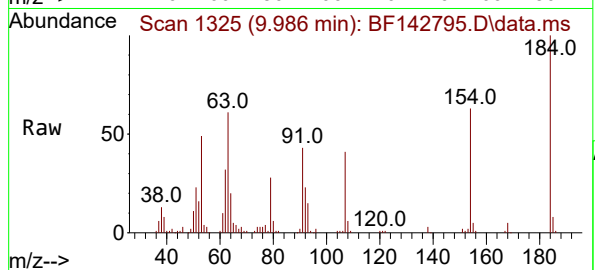
Tgt Ion:184 Resp: 85185

Ion Ratio Lower Upper

184 100

63 61.0 50.6 75.8

154 63.1 51.8 77.8



#55

Dibenzofuran

Concen: 72.277 ng

RT: 10.133 min Scan# 1350

Delta R.T. 0.006 min

Lab File: BF142795.D

Acq: 19 Jun 2025 20:40

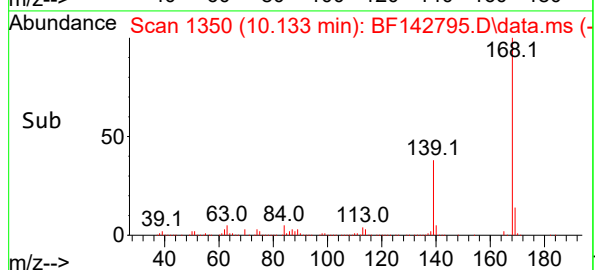
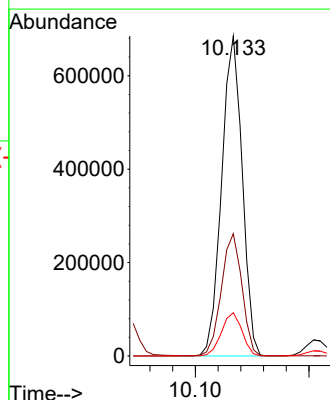
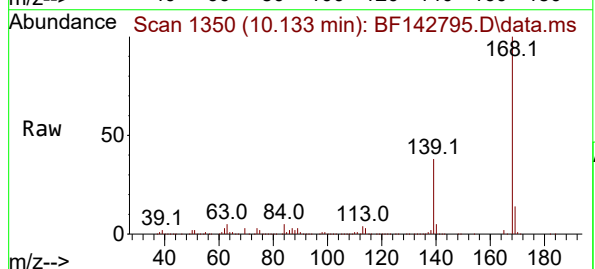
Tgt Ion:168 Resp: 862110

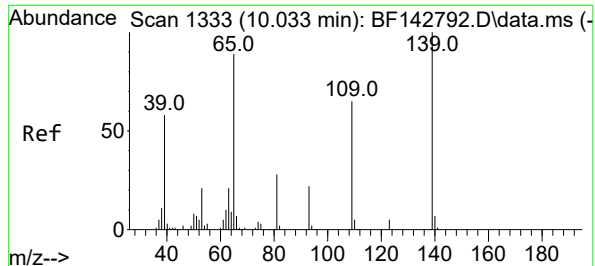
Ion Ratio Lower Upper

168 100

139 38.2 30.2 45.4

169 13.5 10.8 16.2

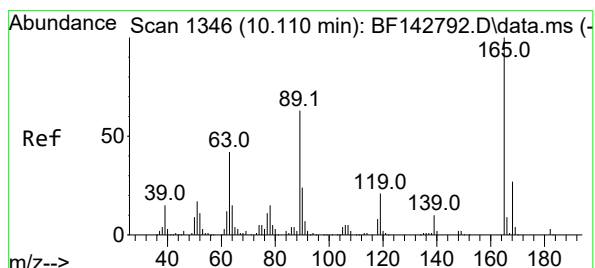
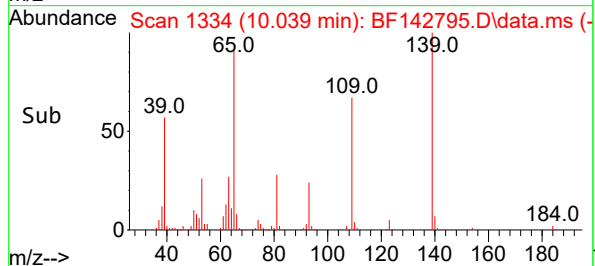
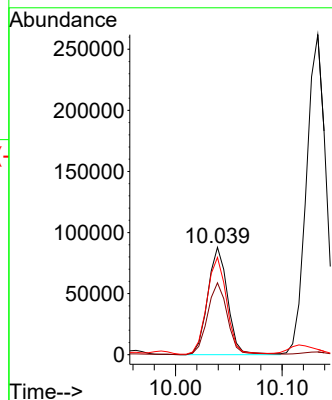
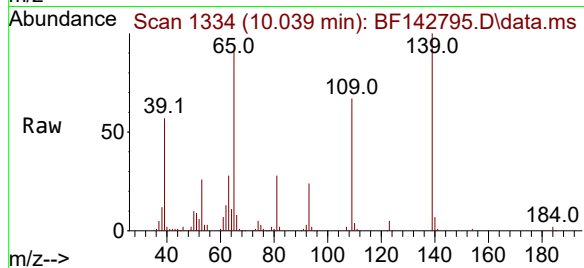




#56
4-Nitrophenol
Concen: 76.771 ng
RT: 10.039 min Scan# 11
Delta R.T. 0.006 min
Lab File: BF142795.D
Acq: 19 Jun 2025 20:40

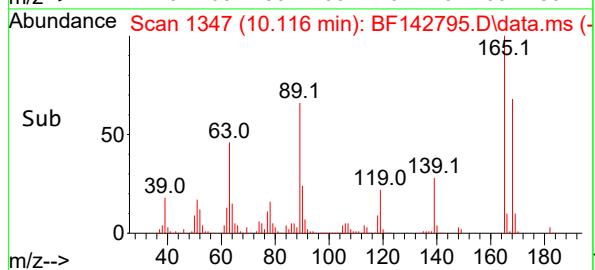
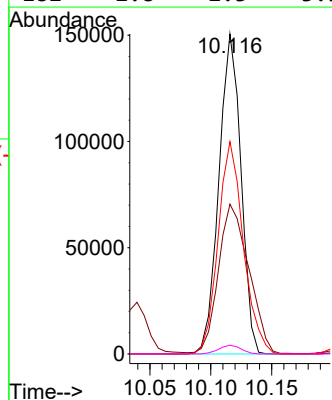
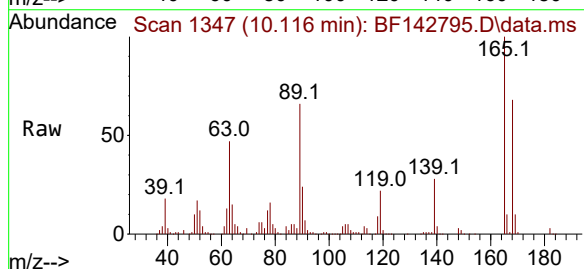
Instrument :
BNA_F
ClientSampleId :
SSTDICC080

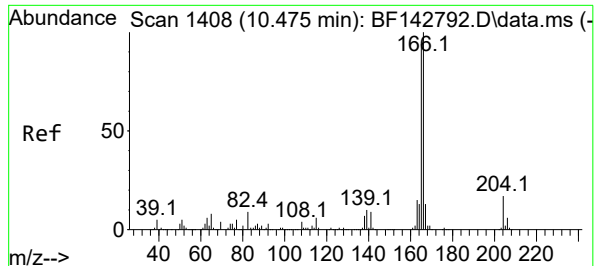
Tgt Ion:139 Resp: 114163
Ion Ratio Lower Upper
139 100
109 67.0 44.7 84.7
65 90.7 69.8 109.8



#57
2,4-Dinitrotoluene
Concen: 71.128 ng
RT: 10.116 min Scan# 1347
Delta R.T. 0.006 min
Lab File: BF142795.D
Acq: 19 Jun 2025 20:40

Tgt Ion:165 Resp: 189684
Ion Ratio Lower Upper
165 100
63 46.8 33.9 50.9
89 66.3 50.6 75.8
182 2.8 2.3 3.5

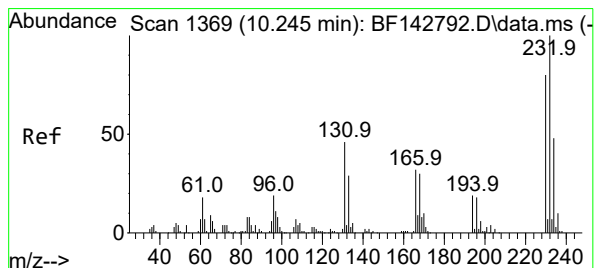
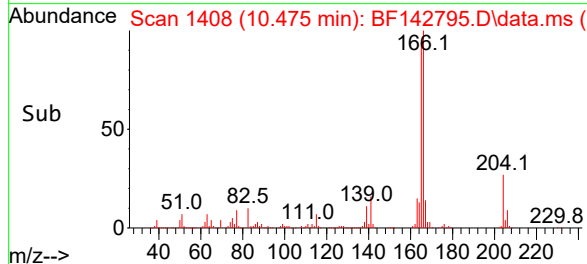
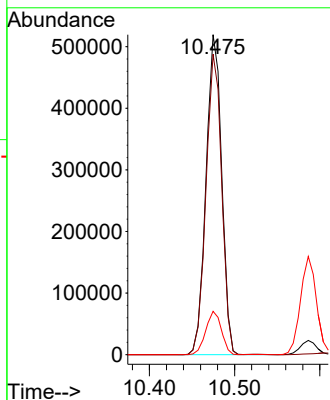
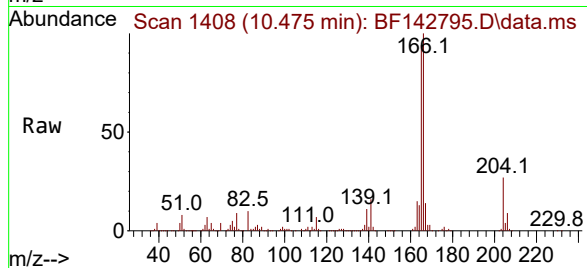




#58
Fluorene
Concen: 70.475 ng
RT: 10.475 min Scan# 1408
Delta R.T. 0.000 min
Lab File: BF142795.D
Acq: 19 Jun 2025 20:40

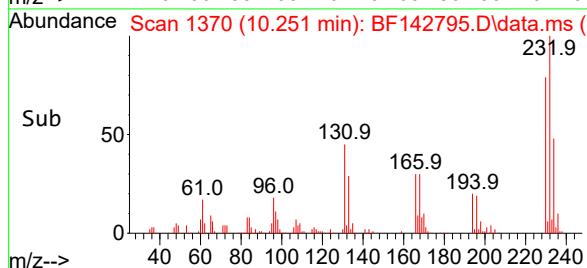
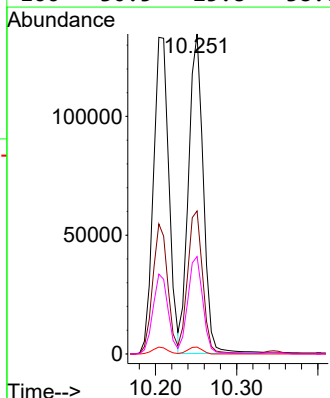
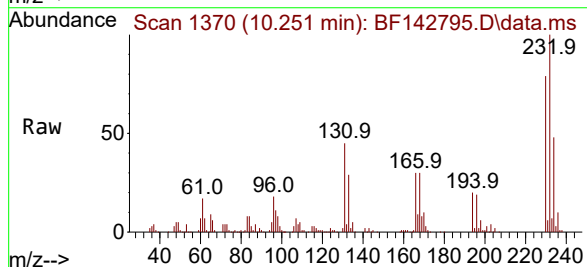
Instrument :
BNA_F
ClientSampleId :
SSTDICC080

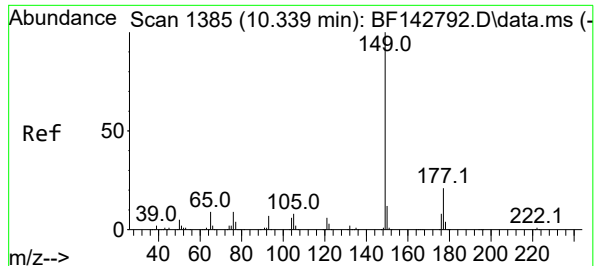
Tgt Ion:166 Resp: 663463
Ion Ratio Lower Upper
166 100
165 93.9 75.2 112.8
167 13.5 10.6 15.8



#59
2,3,4,6-Tetrachlorophenol
Concen: 71.850 ng
RT: 10.251 min Scan# 1370
Delta R.T. 0.006 min
Lab File: BF142795.D
Acq: 19 Jun 2025 20:40

Tgt Ion:232 Resp: 170453
Ion Ratio Lower Upper
232 100
131 45.0 37.6 56.4
130 2.1 1.7 2.5
166 30.5 25.8 38.6

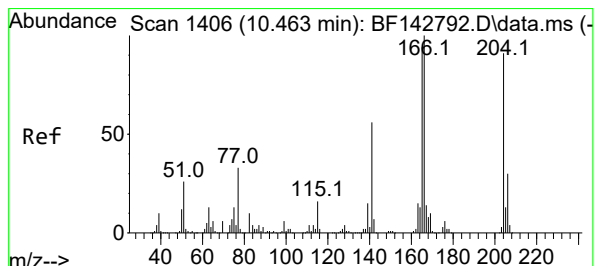
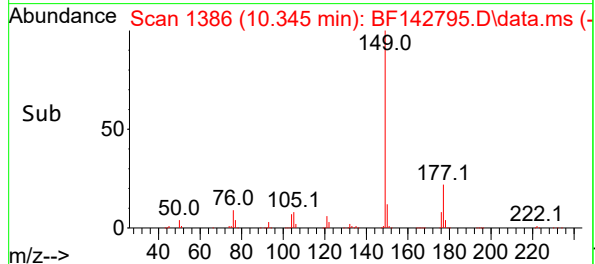
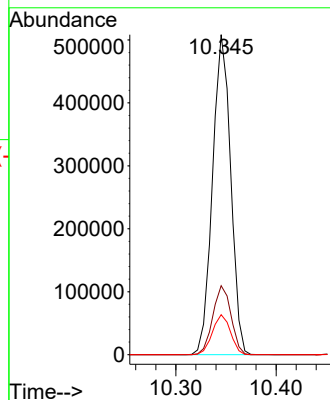
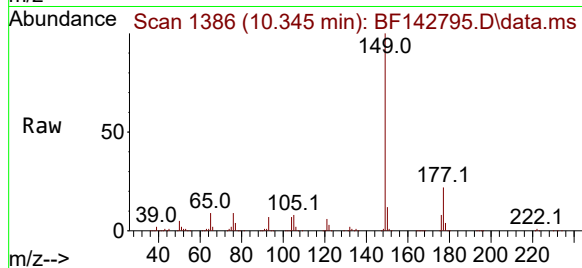




#60
Diethylphthalate
Concen: 69.265 ng
RT: 10.345 min Scan# 1386
Delta R.T. 0.006 min
Lab File: BF142795.D
Acq: 19 Jun 2025 20:40

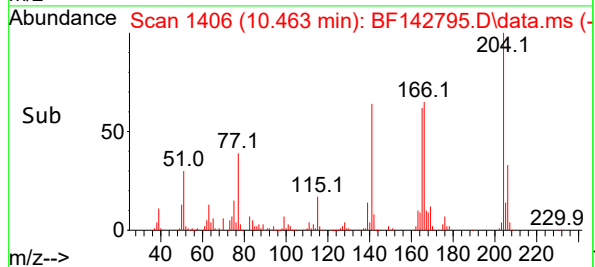
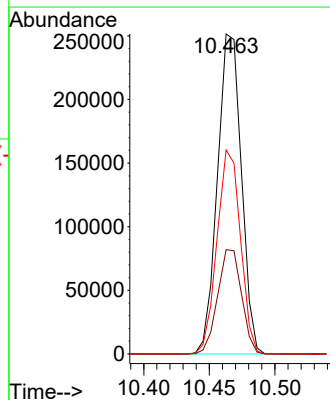
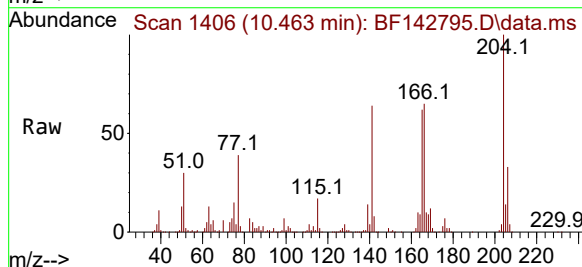
Instrument :
BNA_F
ClientSampleId :
SSTDICC080

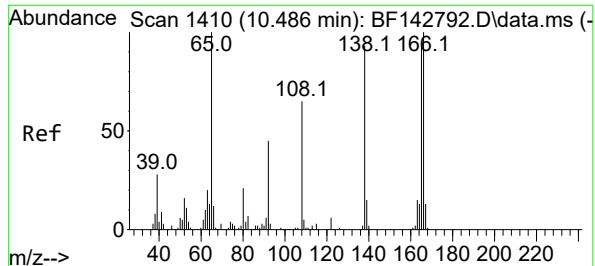
Tgt Ion:149 Resp: 640148
Ion Ratio Lower Upper
149 100
177 21.6 17.0 25.6
150 12.5 9.8 14.6



#61
4-Chlorophenyl-phenylether
Concen: 69.722 ng
RT: 10.463 min Scan# 1406
Delta R.T. 0.000 min
Lab File: BF142795.D
Acq: 19 Jun 2025 20:40

Tgt Ion:204 Resp: 318782
Ion Ratio Lower Upper
204 100
206 32.6 26.3 39.5
141 63.8 49.1 73.7

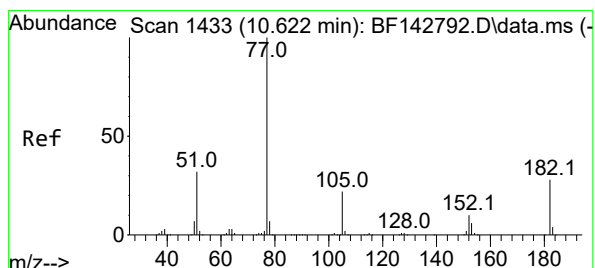
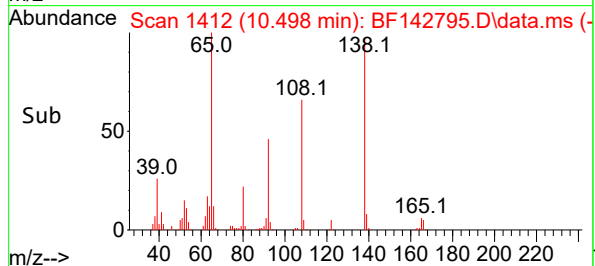
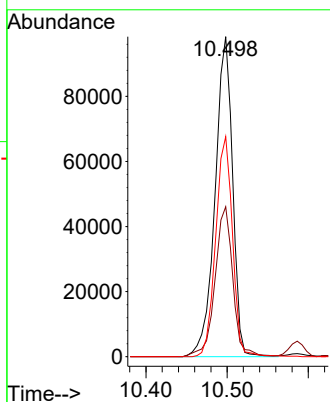
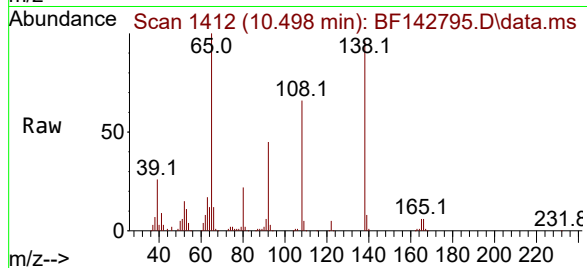




#62
4-Nitroaniline
Concen: 75.193 ng
RT: 10.498 min Scan# 1412
Delta R.T. 0.012 min
Lab File: BF142795.D
Acq: 19 Jun 2025 20:40

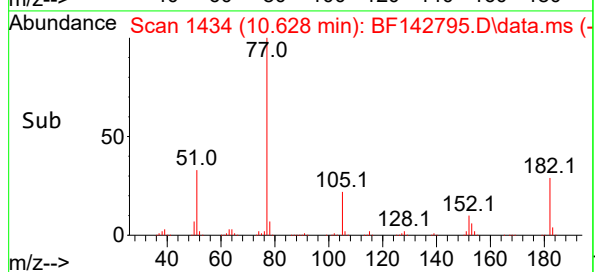
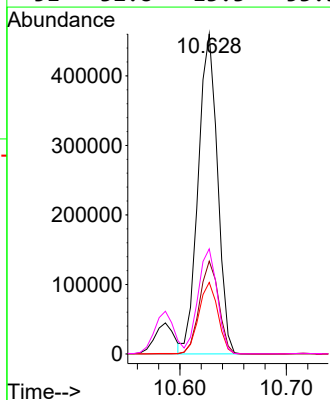
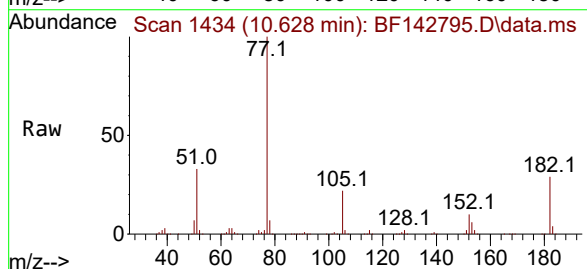
Instrument :
BNA_F
ClientSampleId :
SSTDICC080

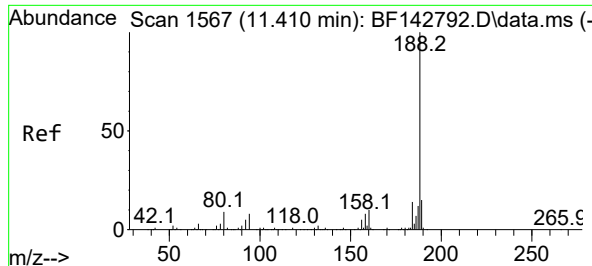
Tgt Ion:138 Resp: 147879
Ion Ratio Lower Upper
138 100
92 46.8 28.4 68.4
108 68.8 50.2 90.2



#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

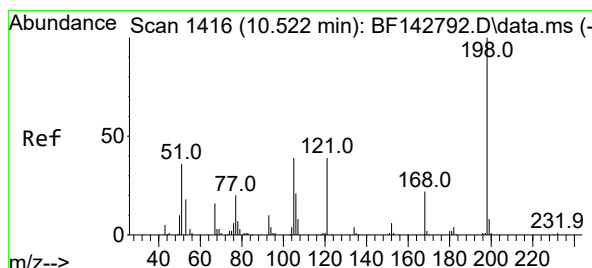
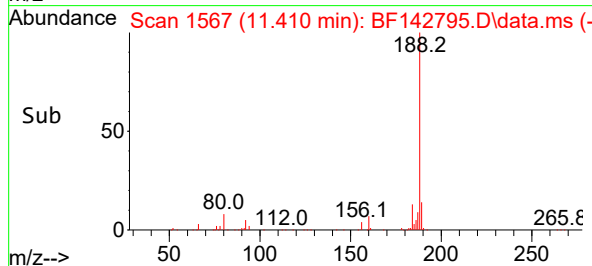
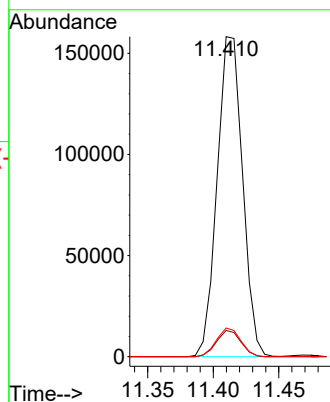
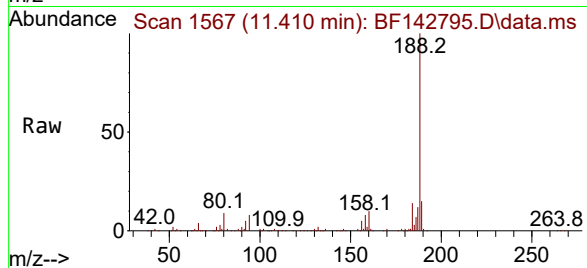




#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.410 min Scan# 11
Delta R.T. 0.000 min
Lab File: BF142795.D
Acq: 19 Jun 2025 20:40

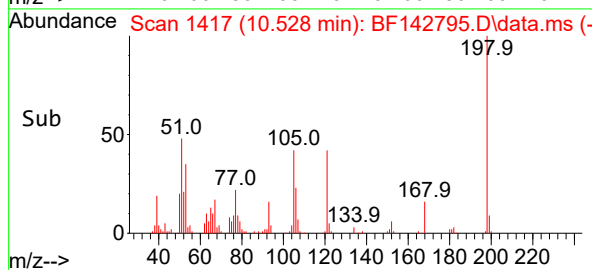
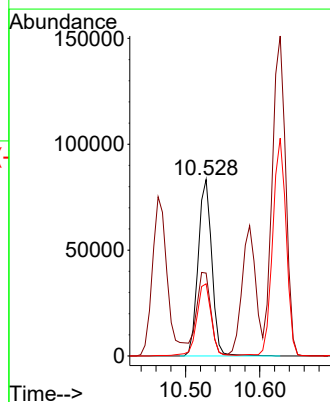
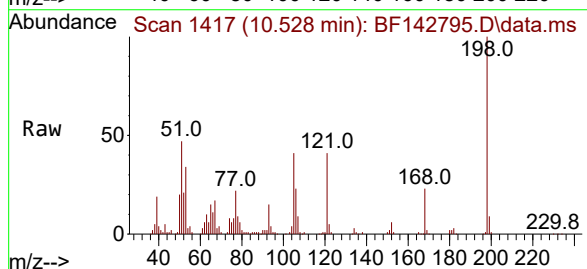
Instrument :
BNA_F
ClientSampleId :
SSTDICC080

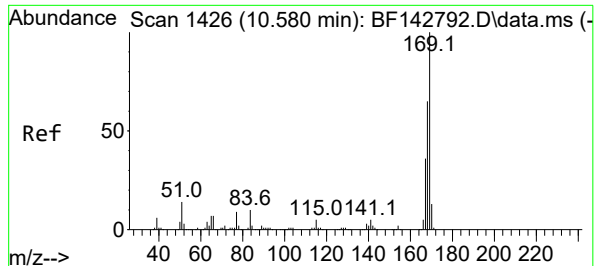
Tgt Ion	Ratio	Lower	Upper
188	100		
94	8.2	6.7	10.1
80	9.0	6.9	10.3



#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

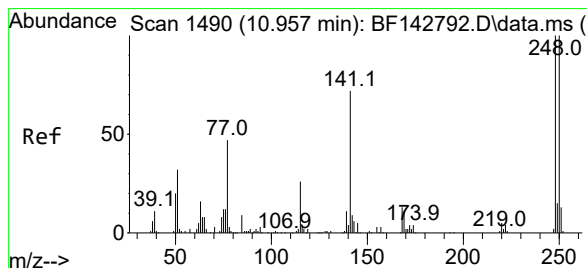
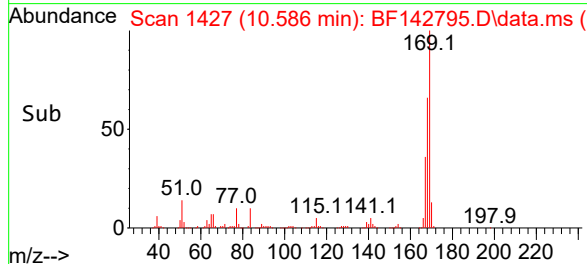
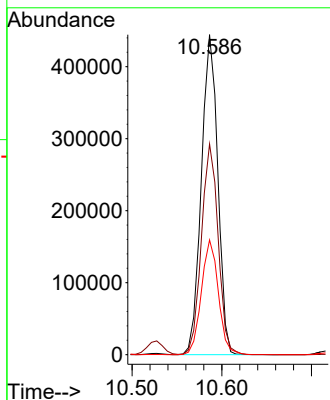
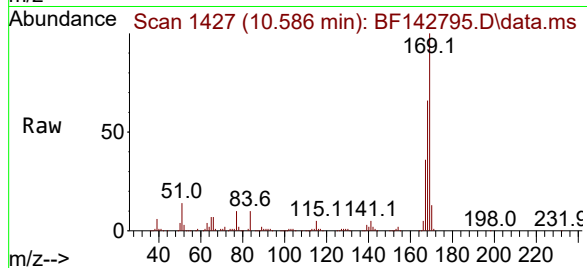




#66
n-Nitrosodiphenylamine
Concen: 77.075 ng
RT: 10.586 min Scan# 1426
Delta R.T. 0.006 min
Lab File: BF142795.D
Acq: 19 Jun 2025 20:40

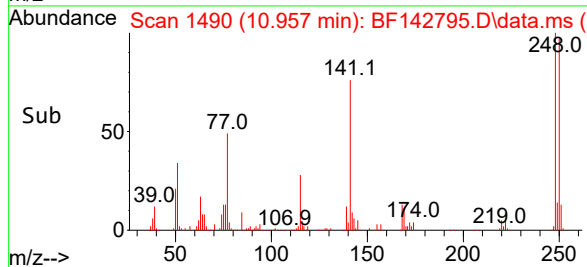
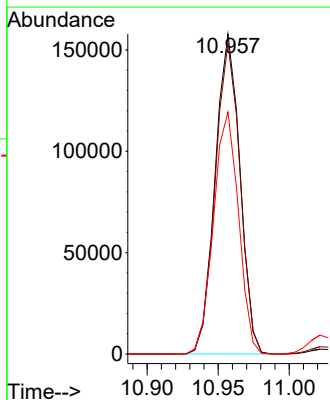
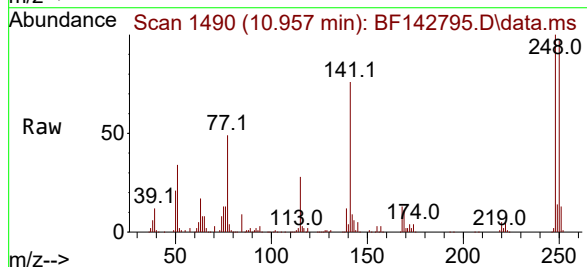
Instrument :
BNA_F
ClientSampleId :
SSTDICC080

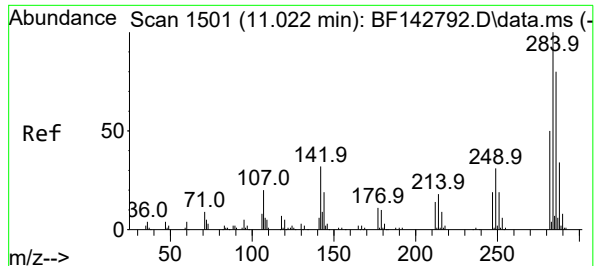
Tgt Ion:169 Resp: 564677
Ion Ratio Lower Upper
169 100
168 65.9 51.9 77.9
167 35.9 28.5 42.7



#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

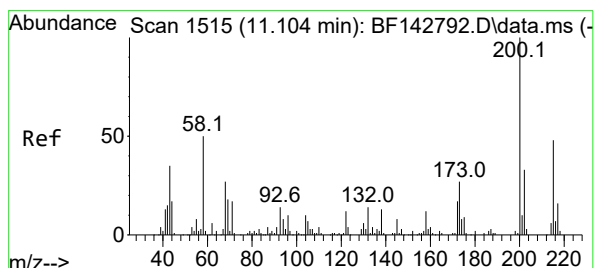
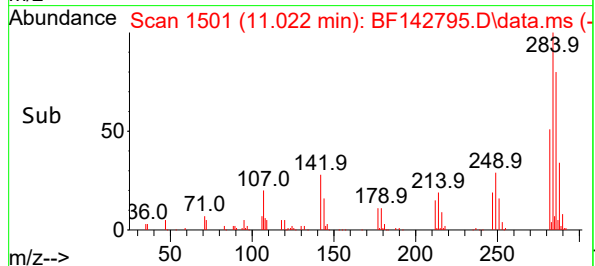
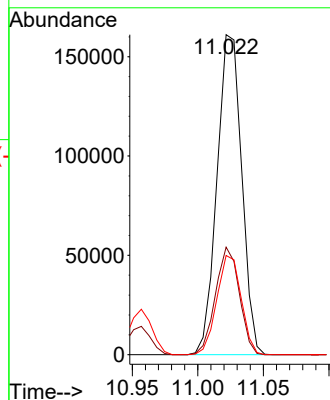
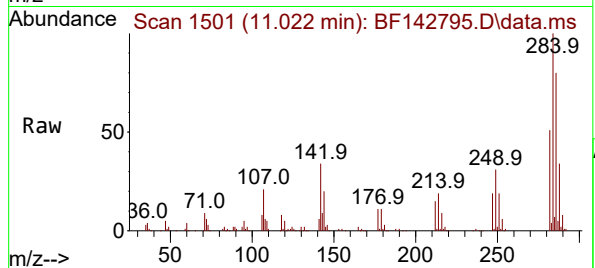




#68
Hexachlorobenzene
Concen: 76.086 ng
RT: 11.022 min Scan# 1501
Delta R.T. 0.000 min
Lab File: BF142795.D
Acq: 19 Jun 2025 20:40

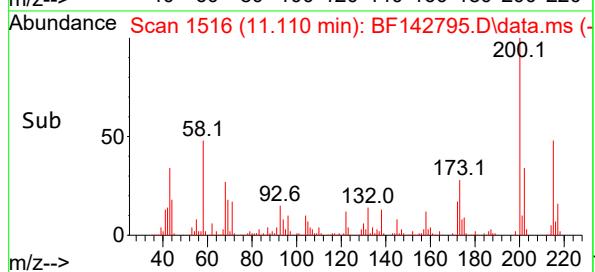
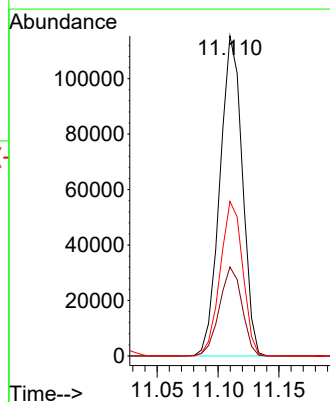
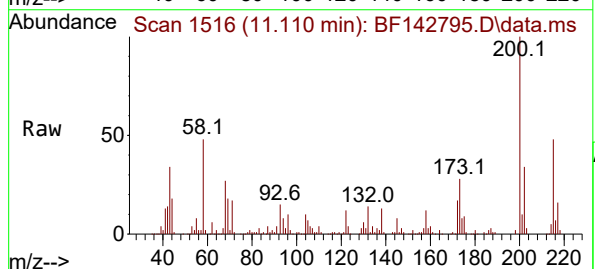
Instrument :
BNA_F
ClientSampleId :
SSTDICC080

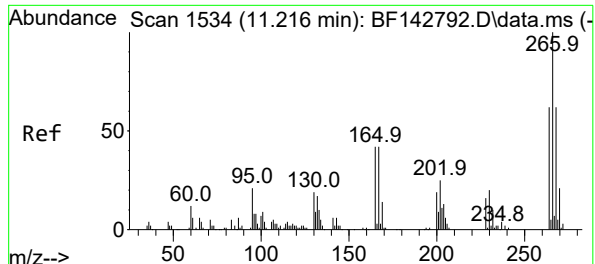
Tgt Ion:284 Resp: 210925
Ion Ratio Lower Upper
284 100
142 33.6 25.5 38.3
249 31.0 24.9 37.3



#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

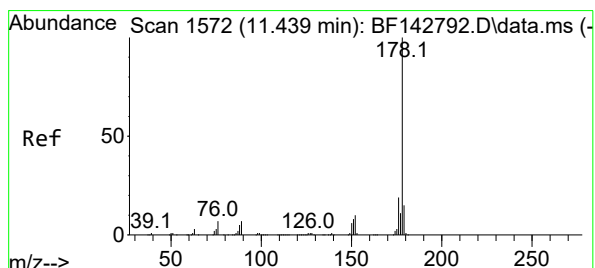
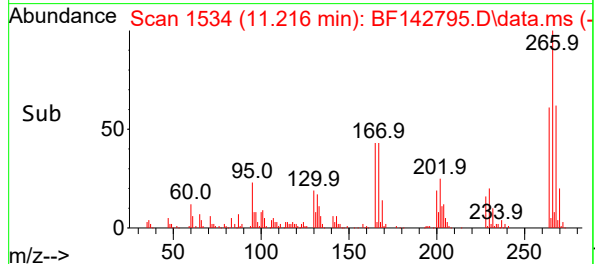
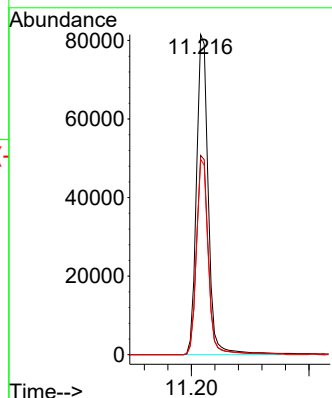
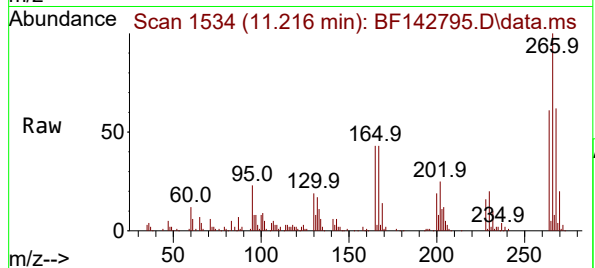




#70
Pentachlorophenol
Concen: 78.555 ng
RT: 11.216 min Scan# 1534
Delta R.T. 0.000 min
Lab File: BF142795.D
Acq: 19 Jun 2025 20:40

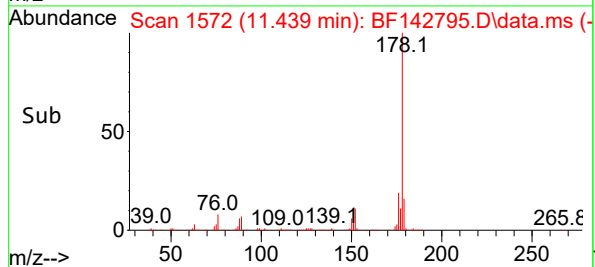
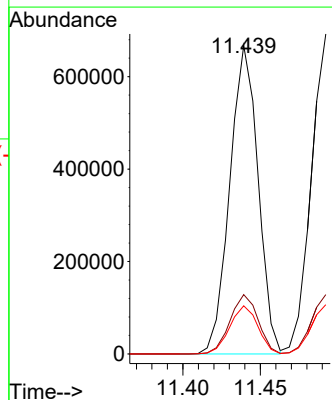
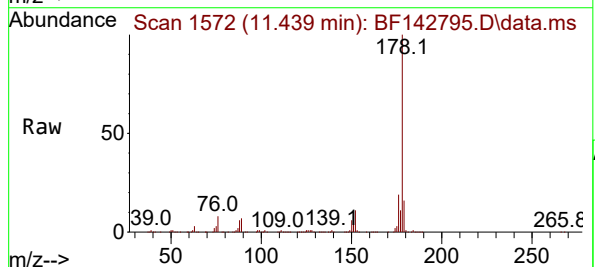
Instrument :
BNA_F
ClientSampleId :
SSTDICC080

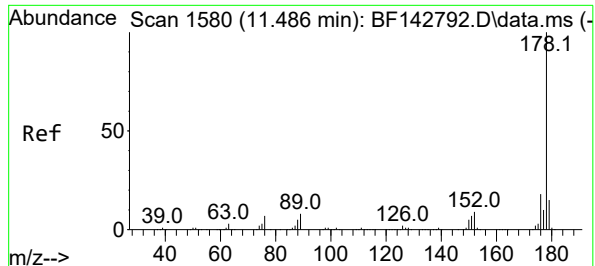
Tgt Ion:266 Resp: 113104
Ion Ratio Lower Upper
266 100
268 62.2 49.8 74.8
264 61.0 49.9 74.9



#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

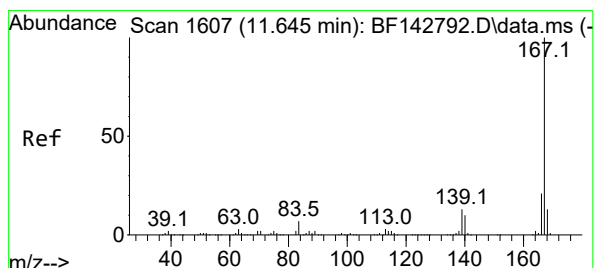
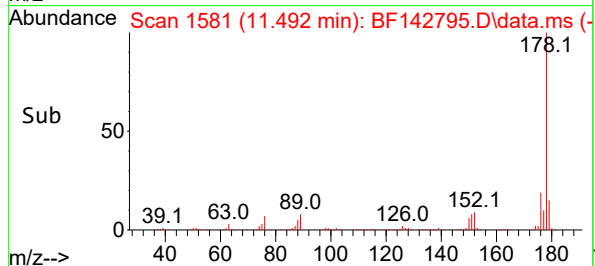
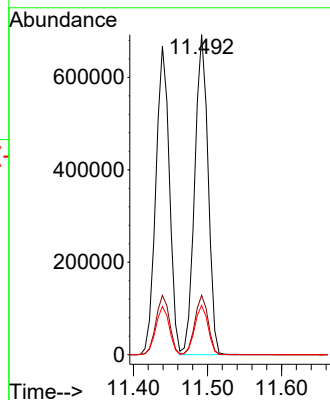
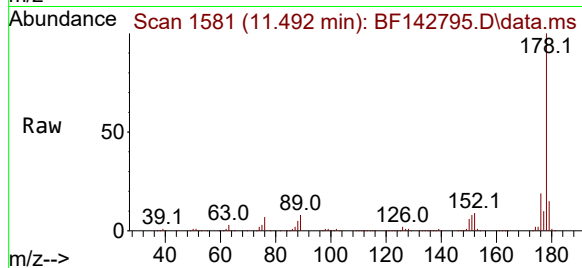




#72
Anthracene
Concen: 73.008 ng
RT: 11.492 min Scan# 1581
Delta R.T. 0.006 min
Lab File: BF142795.D
Acq: 19 Jun 2025 20:40

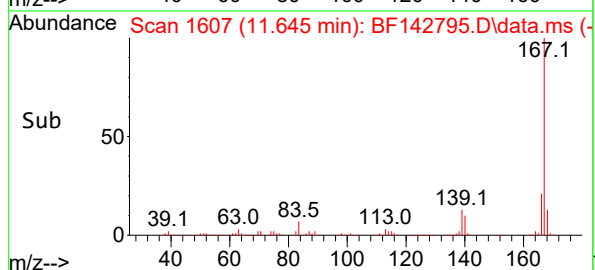
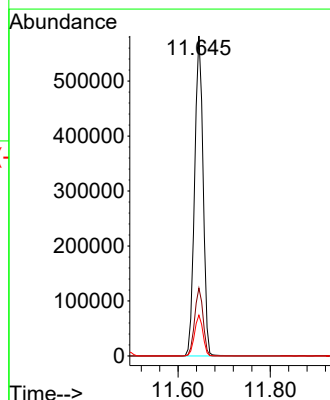
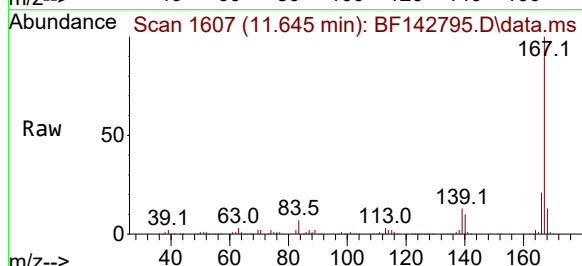
Instrument :
BNA_F
ClientSampleId :
SSTDICC080

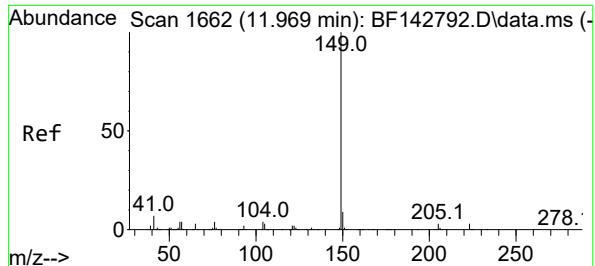
Tgt Ion:178 Resp: 862662
Ion Ratio Lower Upper
178 100
176 18.6 14.6 21.8
179 15.4 12.4 18.6



#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

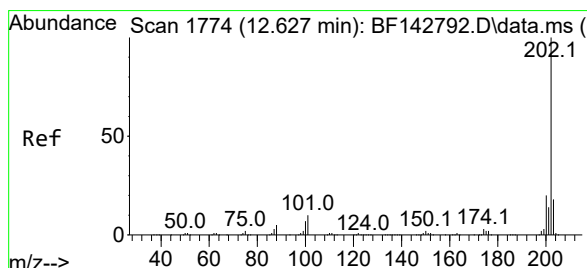
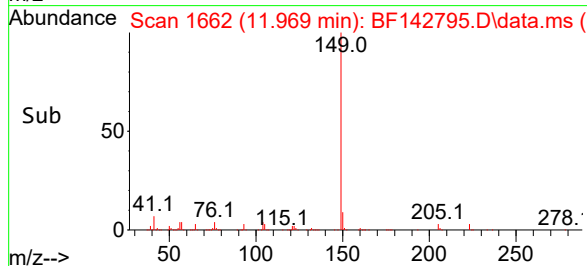
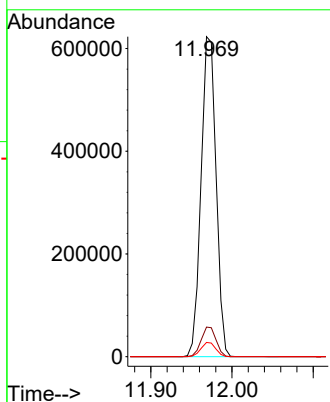
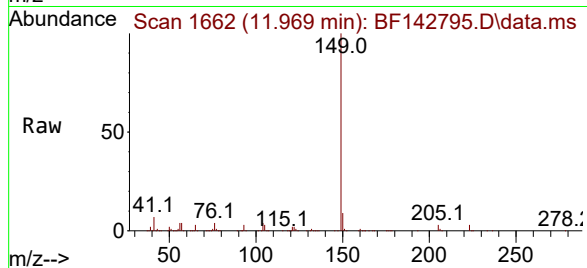




#74
Di-n-butylphthalate
Concen: 72.884 ng
RT: 11.969 min Scan# 1662
Delta R.T. 0.000 min
Lab File: BF142795.D
Acq: 19 Jun 2025 20:40

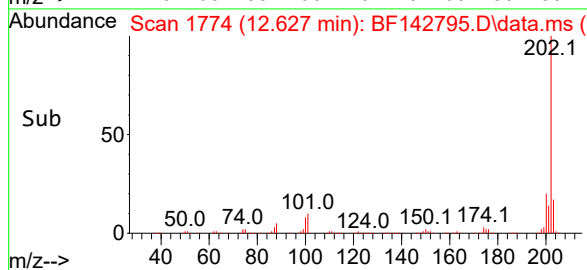
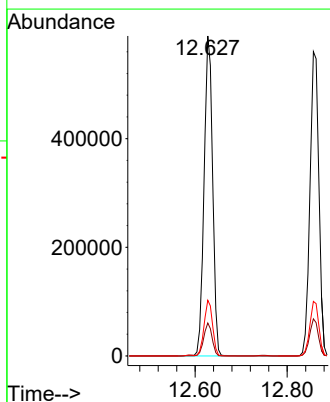
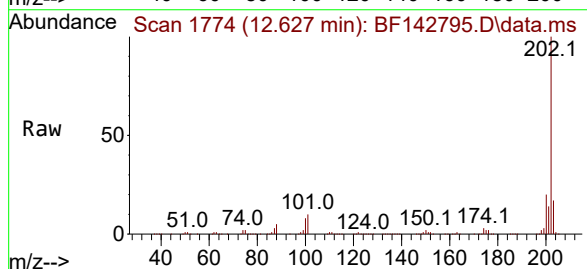
Instrument :
BNA_F
ClientSampleId :
SSTDICC080

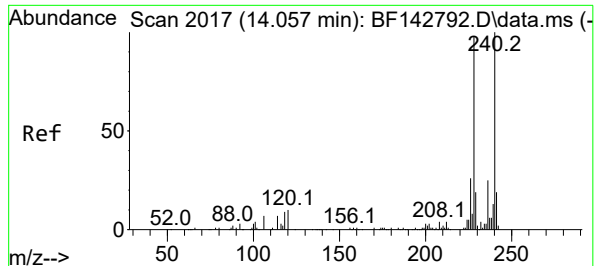
Tgt Ion:149 Resp: 798500
Ion Ratio Lower Upper
149 100
150 9.3 7.4 11.0
104 4.5 3.5 5.3



#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

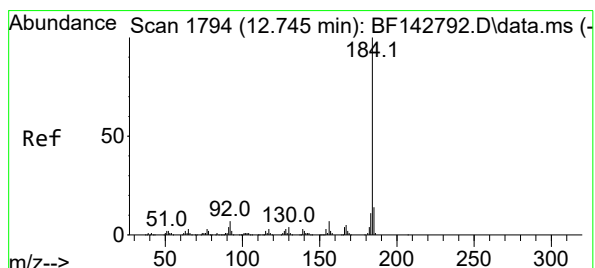
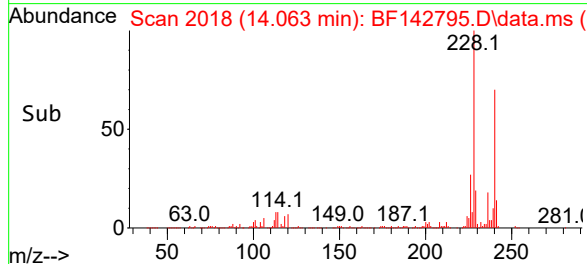
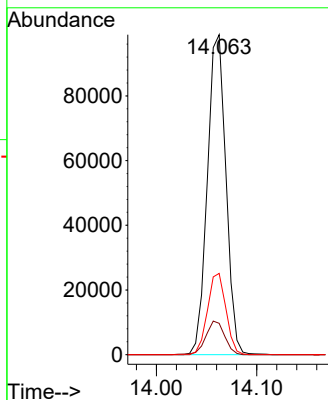
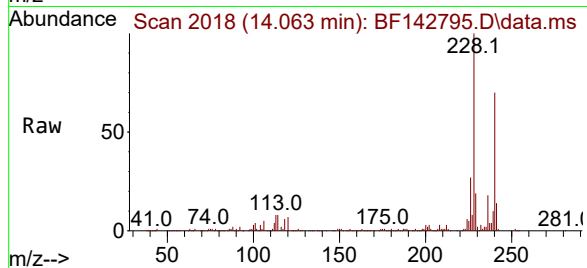




#76
Chrysene-d12
Concen: 20.000 ng
RT: 14.063 min Scan# 2017
Delta R.T. 0.006 min
Lab File: BF142795.D
Acq: 19 Jun 2025 20:40

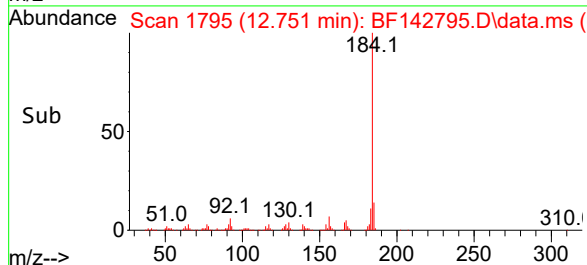
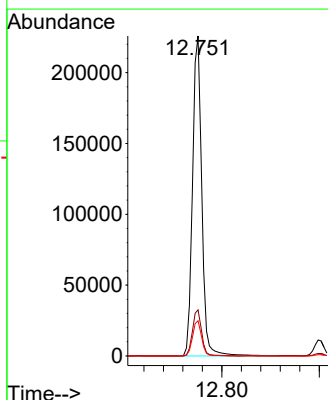
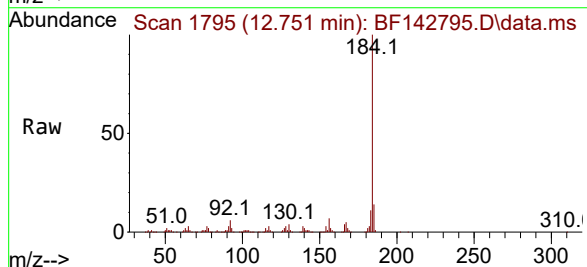
Instrument :
BNA_F
ClientSampleId :
SSTDICC080

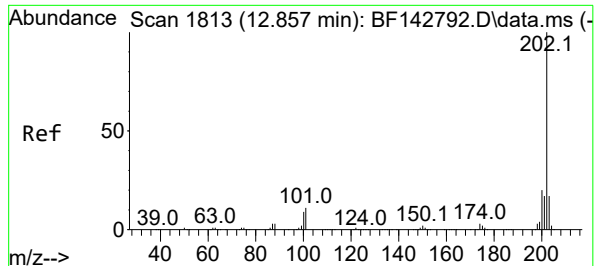
Tgt Ion:240 Resp: 127713
Ion Ratio Lower Upper
240 100
120 9.8 8.2 12.2
236 25.4 19.8 29.8



#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

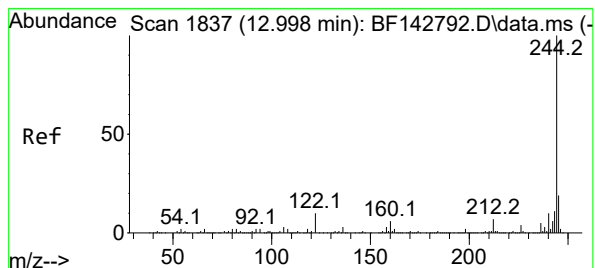
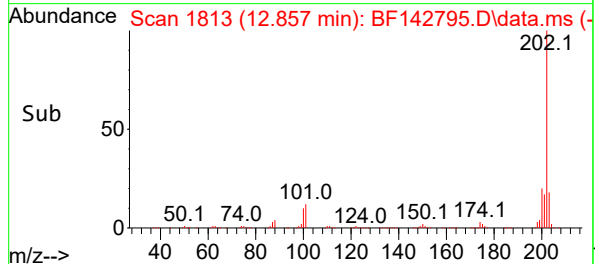
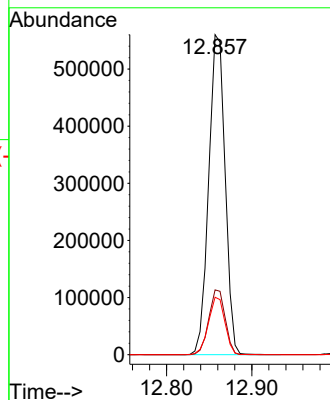
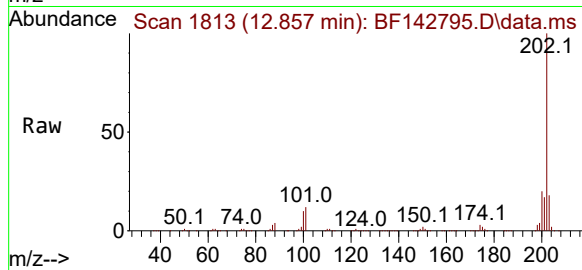




#78
Pyrene
Concen: 63.894 ng
RT: 12.857 min Scan# 1813
Delta R.T. 0.000 min
Lab File: BF142795.D
Acq: 19 Jun 2025 20:40

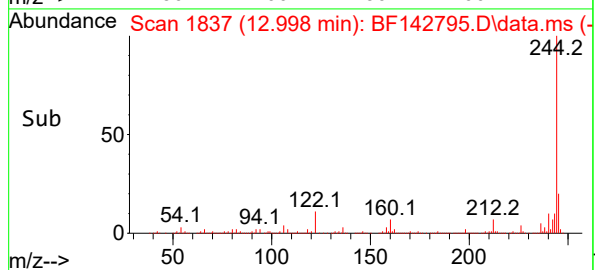
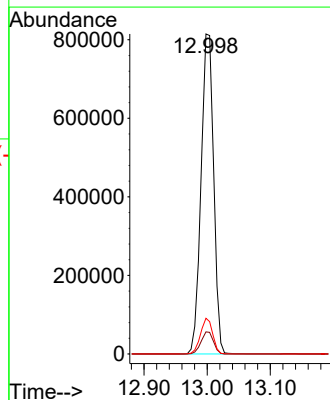
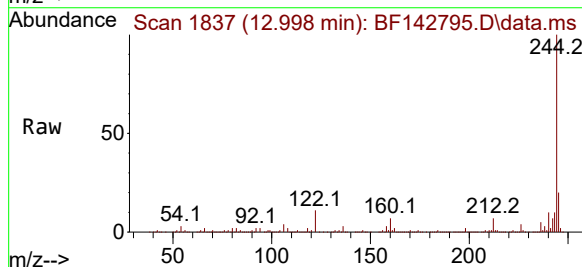
Instrument :
BNA_F
ClientSampleId :
SSTDICC080

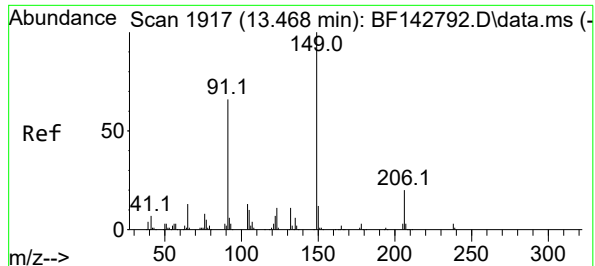
Tgt Ion:202 Resp: 750100
Ion Ratio Lower Upper
202 100
200 20.2 15.7 23.5
203 17.9 13.8 20.6



#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

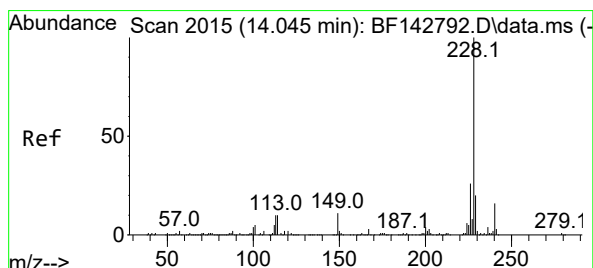
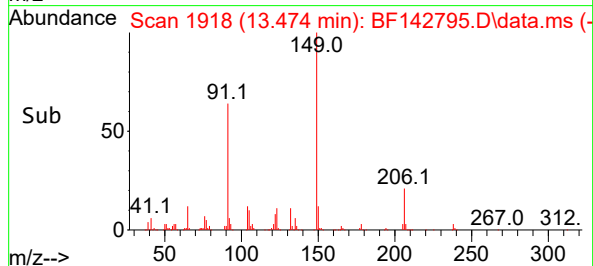
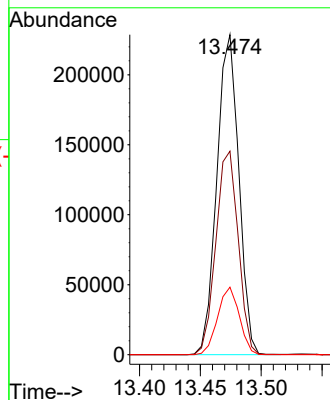
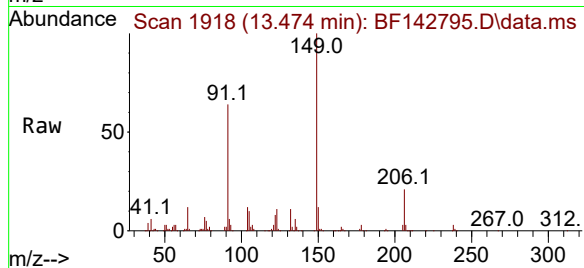
Tgt Ion:149 Resp: 287568

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

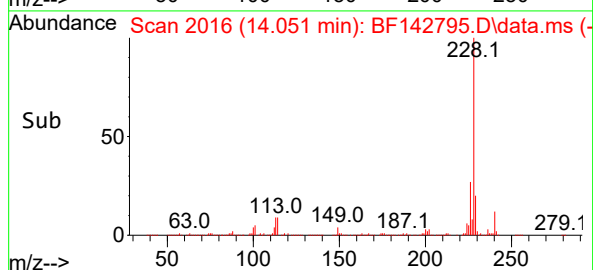
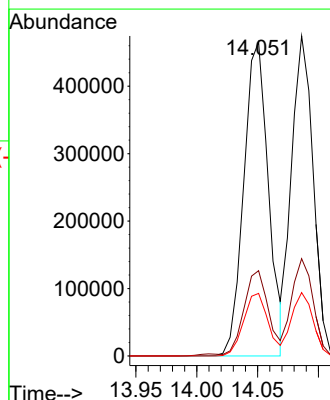
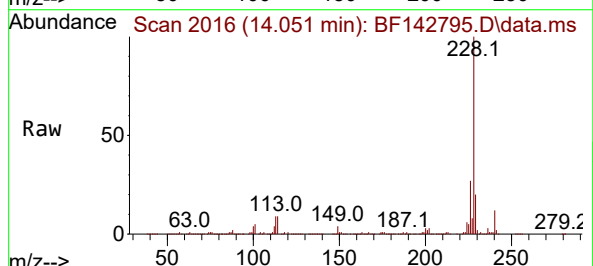
Tgt Ion:228 Resp: 655753

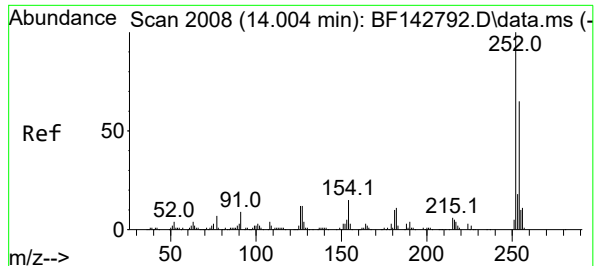
Ion Ratio Lower Upper

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

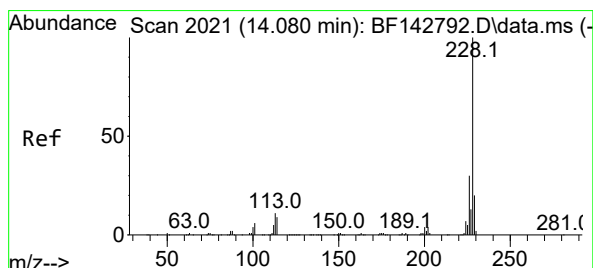
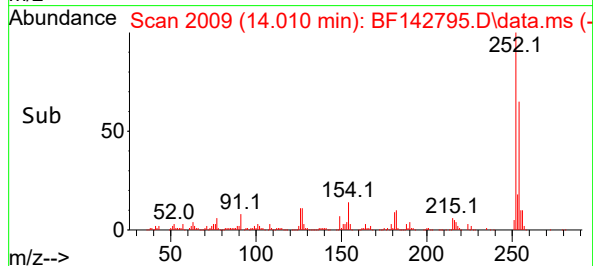
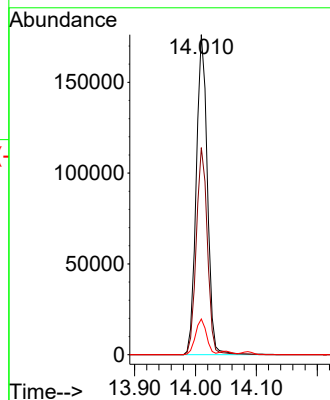
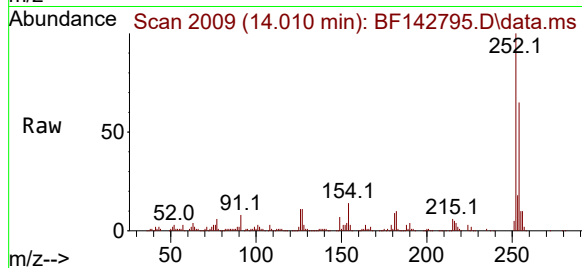
Tgt Ion:252 Resp: 223571

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

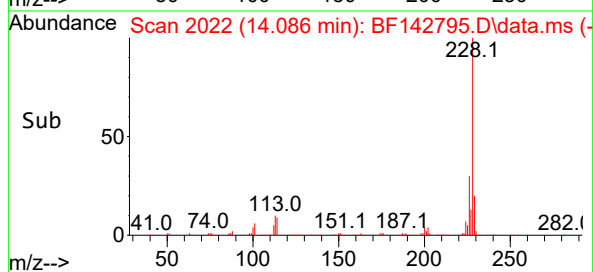
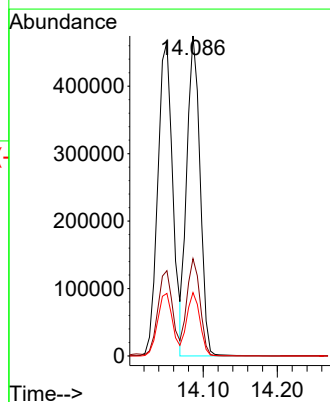
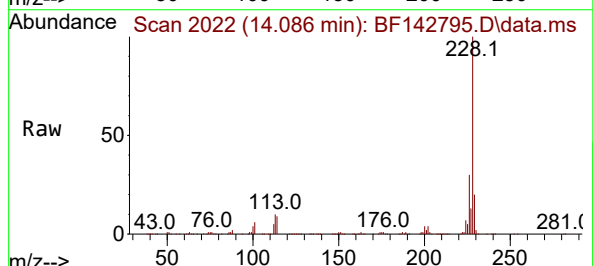
Tgt Ion:228 Resp: 587658

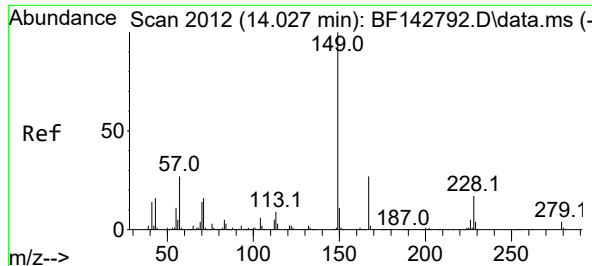
Ion Ratio Lower Upper

228 100

226 30.4 23.7 35.5

229 19.8 15.7 23.5

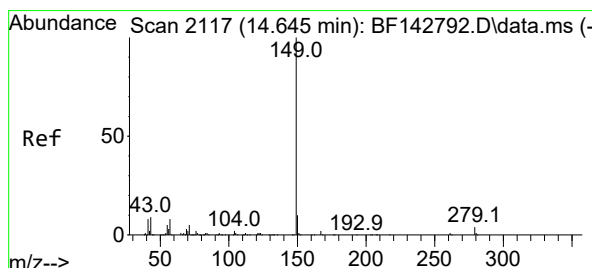
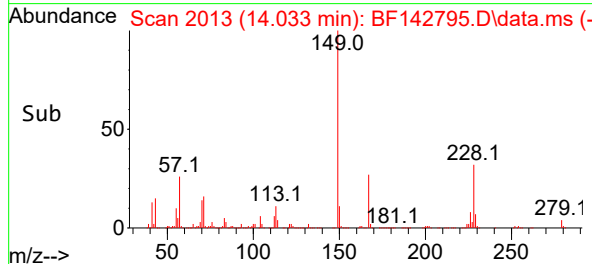
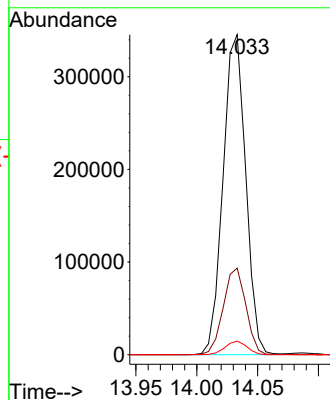
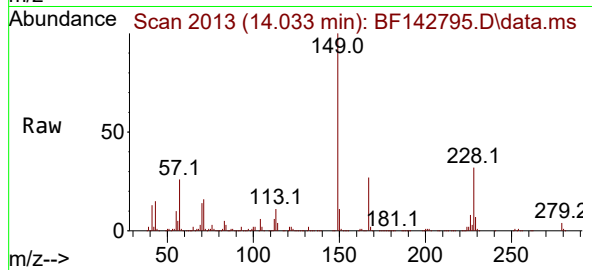




#84
 Bis(2-ethylhexyl)phthalate
 Concen: 86.499 ng
 RT: 14.033 min Scan# 2012
 Delta R.T. 0.006 min
 Lab File: BF142795.D
 Acq: 19 Jun 2025 20:40

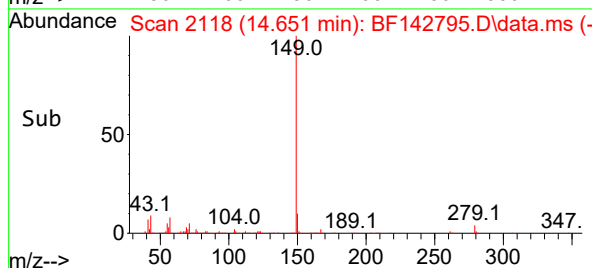
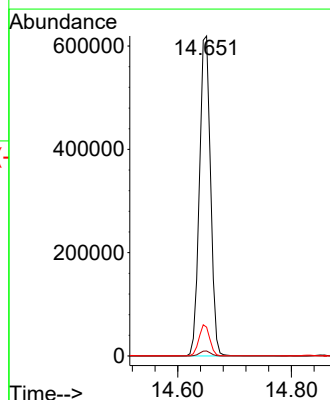
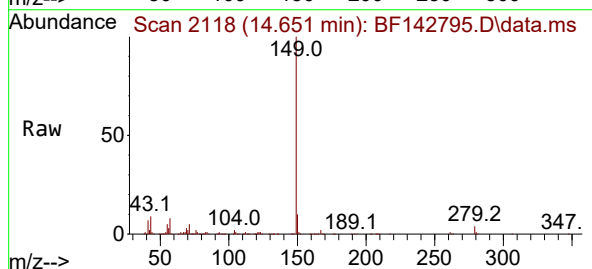
Instrument :
 BNA_F
 ClientSampleId :
 SSTDICC080

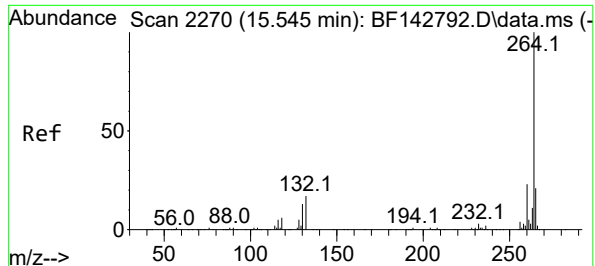
Tgt Ion:149 Resp: 448387
 Ion Ratio Lower Upper
 149 100
 167 27.0 21.4 32.0
 279 4.3 3.0 4.6



#85
 Di-n-octyl phthalate
 Concen: 85.366 ng
 RT: 14.651 min Scan# 2118
 Delta R.T. 0.006 min
 Lab File: BF142795.D
 Acq: 19 Jun 2025 20:40

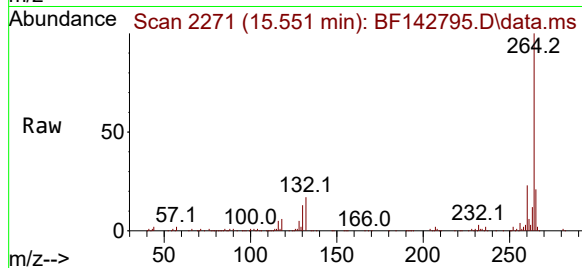
Tgt Ion:149 Resp: 843227
 Ion Ratio Lower Upper
 149 100
 167 1.5 1.3 1.9
 43 9.5 7.6 11.4



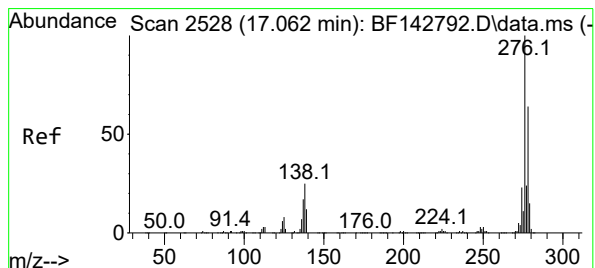
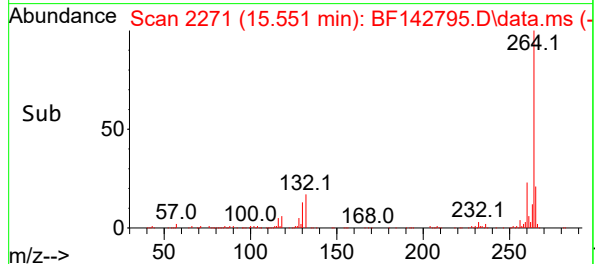
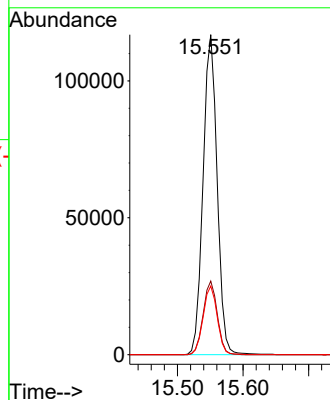


#86
Perylene-d12
Concen: 20.000 ng
RT: 15.551 min Scan# 21
Delta R.T. 0.006 min
Lab File: BF142795.D
Acq: 19 Jun 2025 20:40

Instrument :
BNA_F
ClientSampleId :
SSTDICC080

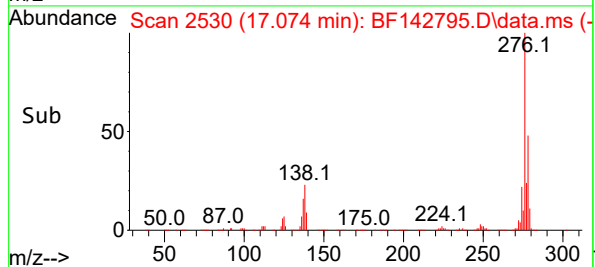
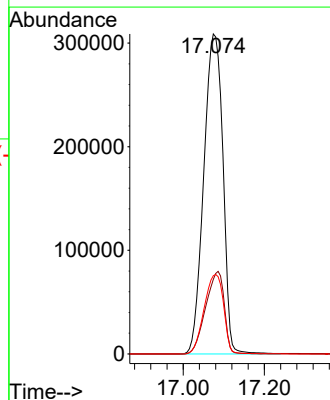
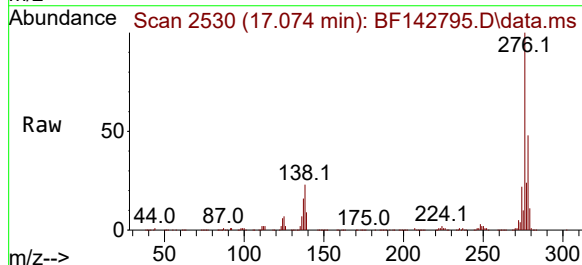


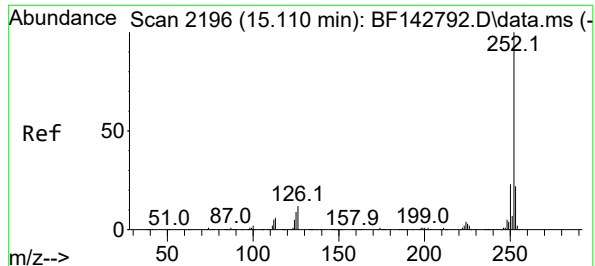
Tgt Ion:264 Resp: 175125
Ion Ratio Lower Upper
264 100
260 23.0 18.1 27.1
265 21.5 16.6 25.0



#87
Indeno(1,2,3-cd)pyrene
Concen: 78.036 ng
RT: 17.074 min Scan# 2530
Delta R.T. 0.012 min
Lab File: BF142795.D
Acq: 19 Jun 2025 20:40

Tgt Ion:276 Resp: 1010374
Ion Ratio Lower Upper
276 100
138 25.0 20.2 30.4
277 25.2 19.8 29.6





#88

Benzo(b)fluoranthene

Concen: 73.471 ng

RT: 15.115 min Scan# 2197

Delta R.T. 0.006 min

Lab File: BF142795.D

Acq: 19 Jun 2025 20:40

Instrument :

BNA_F

ClientSampleId :

SSTDICC080

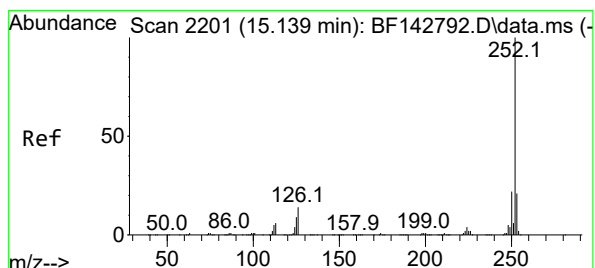
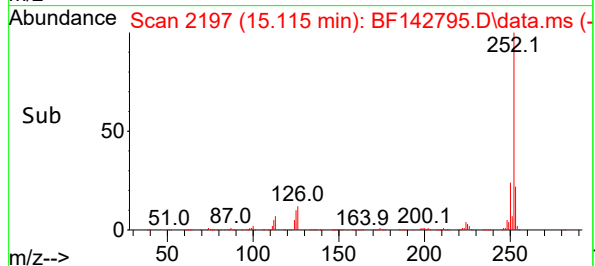
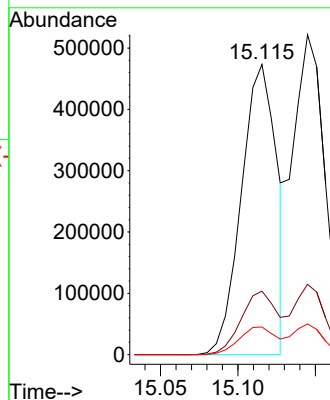
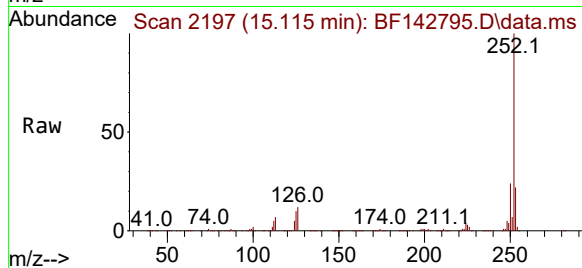
Tgt Ion:252 Resp: 749341

Ion Ratio Lower Upper

252 100

253 21.9 17.5 26.3

125 9.5 7.4 11.0



#89

Benzo(k)fluoranthene

Concen: 75.108 ng

RT: 15.145 min Scan# 2202

Delta R.T. 0.006 min

Lab File: BF142795.D

Acq: 19 Jun 2025 20:40

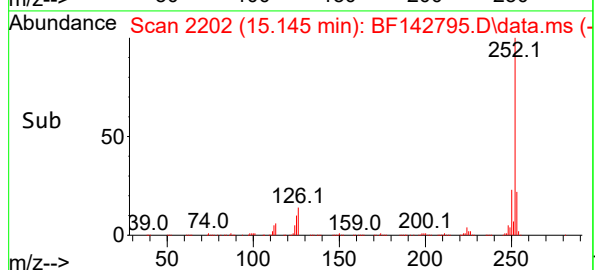
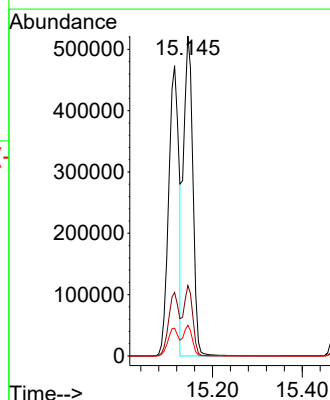
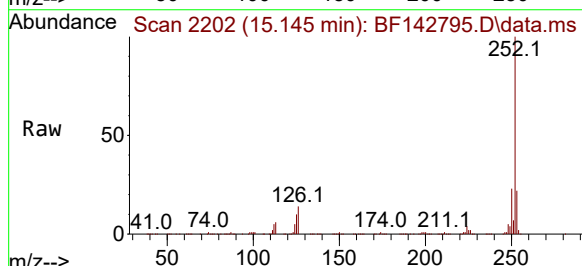
Tgt Ion:252 Resp: 747789

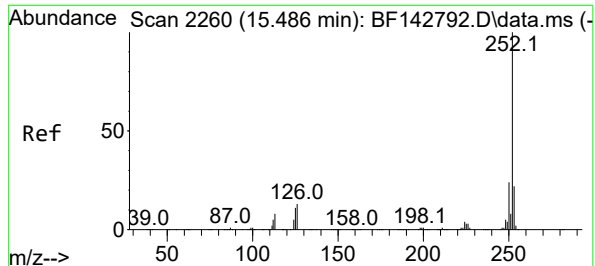
Ion Ratio Lower Upper

252 100

253 22.0 17.2 25.8

125 9.6 7.4 11.2





#90

Benzo(a)pyrene

Concen: 77.813 ng

RT: 15.492 min Scan# 21

Delta R.T. 0.006 min

Lab File: BF142795.D

Acq: 19 Jun 2025 20:40

Instrument :

BNA_F

ClientSampleId :

SSTDICC080

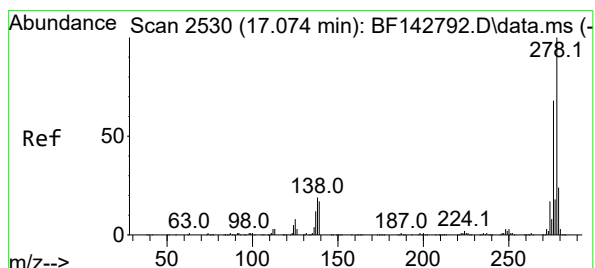
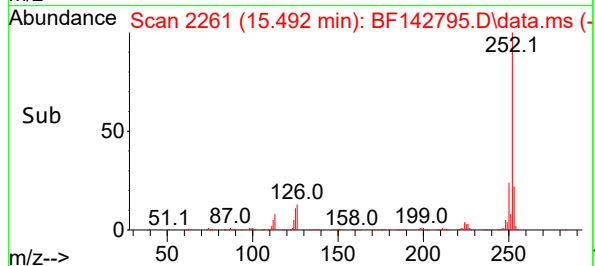
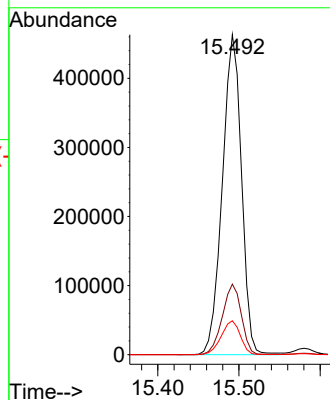
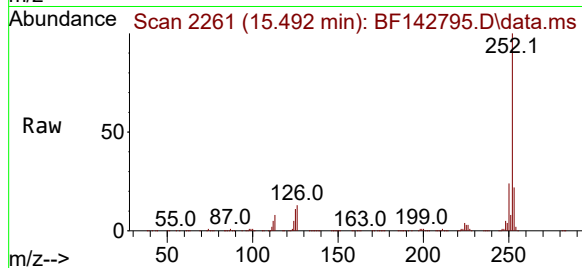
Tgt Ion:252 Resp: 759483

Ion Ratio Lower Upper

252 100

253 22.1 17.5 26.3

125 10.6 8.6 12.8



#91

Dibenzo(a,h)anthracene

Concen: 76.662 ng

RT: 17.092 min Scan# 2533

Delta R.T. 0.018 min

Lab File: BF142795.D

Acq: 19 Jun 2025 20:40

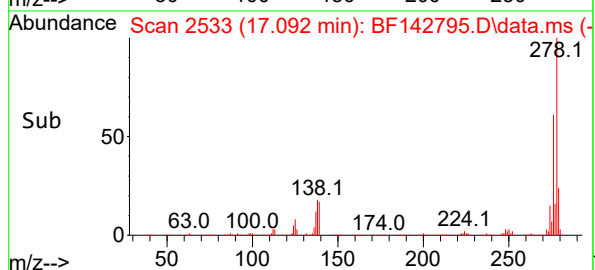
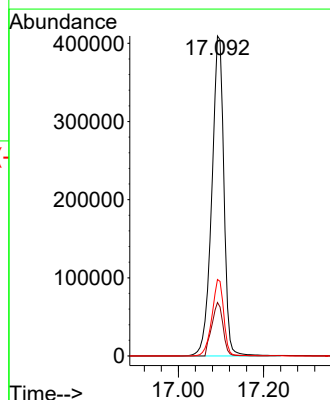
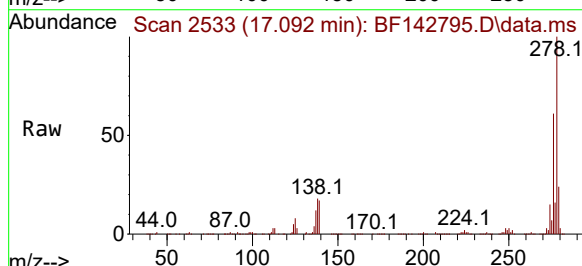
Tgt Ion:278 Resp: 806991

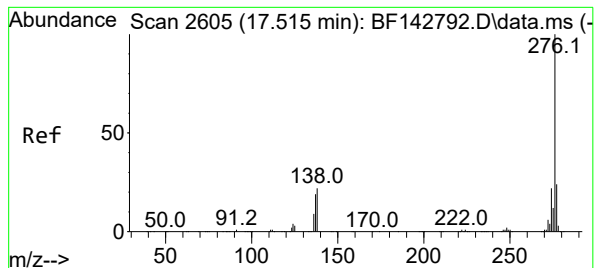
Ion Ratio Lower Upper

278 100

139 16.7 13.5 20.3

279 23.9 18.8 28.2





#92

Benzo(g,h,i)perylene

Concen: 77.429 ng

RT: 17.539 min Scan# 20

Delta R.T. 0.024 min

Lab File: BF142795.D

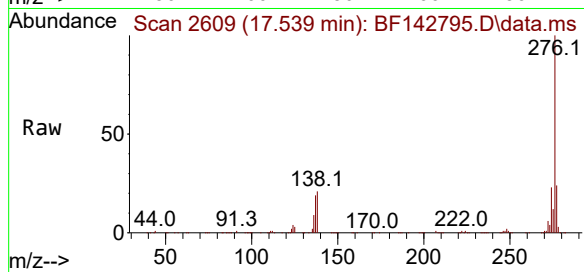
Acq: 19 Jun 2025 20:40

Instrument :

BNA_F

ClientSampleId :

SSTDICC080



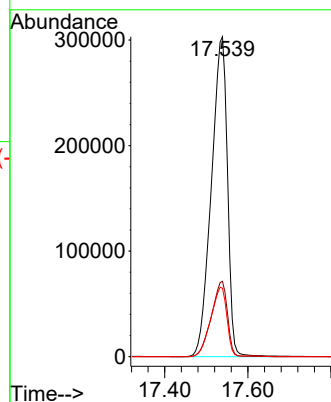
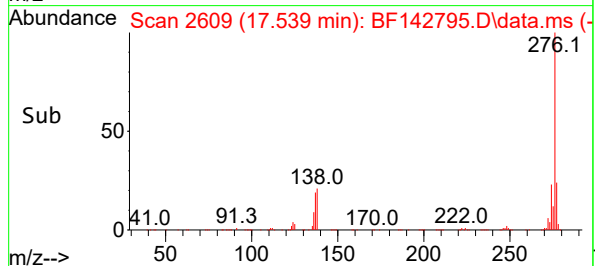
Tgt Ion:276 Resp: 813177

Ion Ratio Lower Upper

276 100

277 23.6 18.8 28.2

138 21.4 17.6 26.4



Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF061925\
 Data File : BF142796.D
 Acq On : 19 Jun 2025 21:10
 Operator : RC/JU
 Sample : SSTDICV040
 Misc :
 ALS Vial : 10 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 ICVBF061925

Quant Time: Jun 24 15:59:56 2025
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF061925.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Tue Jun 24 05:28:21 2025
 Response via : Initial Calibration

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

Internal Standards						
1) 1,4-Dichlorobenzene-d4	6.881	152	74183	20.000	ng	0.00
21) Naphthalene-d8	8.163	136	279139	20.000	ng	0.00
39) Acenaphthene-d10	9.922	164	142968	20.000	ng	0.00
64) Phenanthrene-d10	11.410	188	228099	20.000	ng	0.00
76) Chrysene-d12	14.057	240	122573	20.000	ng	0.00
86) Perylene-d12	15.545	264	153363	20.000	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.493	112	361762	81.192	ng	0.00
7) Phenol-d6	6.510	99	421918	80.262	ng	0.00
23) Nitrobenzene-d5	7.445	82	373199	73.334	ng	0.00
42) 2,4,6-Tribromophenol	10.716	330	117795	80.065	ng	0.00
45) 2-Fluorobiphenyl	9.239	172	785440	72.171	ng	0.00
79) Terphenyl-d14	12.998	244	628420	70.839	ng	0.00
Target Compounds						
						Qvalue
2) 1,4-Dioxane	2.634	88	70139	39.357	ng	100
3) Pyridine	3.404	79	185173	41.446	ng	99
4) n-Nitrosodimethylamine	3.357	42	96831	41.912	ng	99
6) Aniline	6.545	93	296519	42.392	ng	99
8) 2-Chlorophenol	6.663	128	202041	42.036	ng	100
9) Benzaldehyde	6.434	77	148174	47.511	ng	99
10) Phenol	6.522	94	244839	41.901	ng	99
11) bis(2-Chloroethyl)ether	6.616	93	176058	42.157	ng	99
12) 1,3-Dichlorobenzene	6.822	146	228820	42.568	ng	99
13) 1,4-Dichlorobenzene	6.898	146	229234	42.268	ng	99
14) 1,2-Dichlorobenzene	7.051	146	218720	42.520	ng	99
15) Benzyl Alcohol	7.022	79	160044	42.114	ng	100
16) 2,2'-oxybis(1-Chloropr...	7.157	45	284352	42.379	ng	100
17) 2-Methylphenol	7.134	107	154746	42.485	ng	98
18) Hexachloroethane	7.392	117	80788	42.589	ng	97
19) n-Nitroso-di-n-propyla...	7.292	70	127308	41.640	ng	99
20) 3+4-Methylphenols	7.287	107	194841	42.904	ng	98
22) Acetophenone	7.292	105	261474	42.478	ng	99
24) Nitrobenzene	7.463	77	193310	41.968	ng	99
25) Isophorone	7.704	82	338001	41.403	ng	99
26) 2-Nitrophenol	7.781	139	108455	43.224	ng	100
27) 2,4-Dimethylphenol	7.816	122	183273	42.168	ng	99
28) bis(2-Chloroethoxy)met...	7.910	93	217774	41.960	ng	99
29) 2,4-Dichlorophenol	8.022	162	166286	42.196	ng	99
30) 1,2,4-Trichlorobenzene	8.104	180	182768	42.177	ng	100
31) Naphthalene	8.187	128	576847	42.218	ng	100
32) Benzoic acid	7.922	122	101203	45.685	ng	95
33) 4-Chloroaniline	8.234	127	232045	41.766	ng	98
34) Hexachlorobutadiene	8.304	225	113068	42.657	ng	99
35) Caprolactam	8.604	113	42561	40.928	ng	98
36) 4-Chloro-3-methylphenol	8.716	107	164064	41.890	ng	99
37) 2-Methylnaphthalene	8.881	142	353484	41.730	ng	100
38) 1-Methylnaphthalene	8.981	142	364378	41.554	ng	100
40) 1,2,4,5-Tetrachloroben...	9.045	216	182379	43.233	ng	99
41) Hexachlorocyclopentadiene	9.034	237	108592	45.361	ng	97
43) 2,4,6-Trichlorophenol	9.157	196	116946	42.543	ng	98

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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

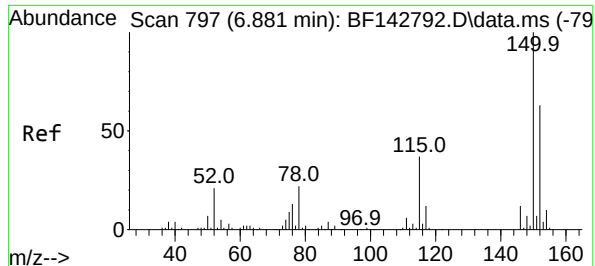
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 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Tue Jun 24 05:28:21 2025
 Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
44) 2,4,5-Trichlorophenol	9.198	196	124558	43.045	ng	99
46) 1,1'-Biphenyl	9.345	154	476133	42.159	ng	100
47) 2-Chloronaphthalene	9.369	162	354405	41.817	ng	100
48) 2-Nitroaniline	9.463	65	99137	41.724	ng	97
49) Acenaphthylene	9.786	152	580204	41.586	ng	100
50) Dimethylphthalate	9.645	163	381573	41.232	ng	100
51) 2,6-Dinitrotoluene	9.704	165	84111	41.386	ng	99
52) Acenaphthene	9.957	154	356031	41.825	ng	100
53) 3-Nitroaniline	9.875	138	92889	41.512	ng	99
54) 2,4-Dinitrophenol	9.981	184	44513	43.742	ng	99
55) Dibenzofuran	10.128	168	502290	41.150	ng	100
56) 4-Nitrophenol	10.033	139	62127	40.556	ng	97
57) 2,4-Dinitrotoluene	10.110	165	111649	41.358	ng	100
58) Fluorene	10.475	166	391356	41.052	ng	100
59) 2,3,4,6-Tetrachlorophenol	10.245	232	97630	41.857	ng	97
60) Diethylphthalate	10.339	149	371453	40.937	ng	100
61) 4-Chlorophenyl-phenyle...	10.463	204	185884	40.862	ng	99
62) 4-Nitroaniline	10.486	138	83143	40.628	ng	99
63) Azobenzene	10.622	77	332701	41.025	ng	99
65) 4,6-Dinitro-2-methylph...	10.516	198	59797	43.341	ng	94
66) n-Nitrosodiphenylamine	10.580	169	331671	41.955	ng	99
67) 4-Bromophenyl-phenylether	10.951	248	112604	43.376	ng	96
68) Hexachlorobenzene	11.022	284	122976	42.632	ng	98
69) Atrazine	11.104	200	87455	42.840	ng	99
70) Pentachlorophenol	11.216	266	62292	43.337	ng	99
71) Phenanthrene	11.433	178	514049	41.603	ng	99
72) Anthracene	11.486	178	532397	42.013	ng	99
73) Carbazole	11.645	167	446814	40.858	ng	100
74) Di-n-butylphthalate	11.969	149	481078	42.228	ng	100
75) Fluoranthene	12.627	202	473431	40.372	ng	100
77) Benzidine	12.745	184	218884	47.530	ng	99
78) Pyrene	12.857	202	468692	40.794	ng	100
80) Butylbenzylphthalate	13.469	149	154743	46.431	ng	99
81) Benzo(a)anthracene	14.045	228	346202	41.868	ng	100
82) 3,3'-Dichlorobenzidine	14.010	252	124771	46.521	ng	99
83) Chrysene	14.080	228	321976	43.637	ng	100
84) Bis(2-ethylhexyl)phtha...	14.027	149	230046	47.976	ng	99
85) Di-n-octyl phthalate	14.645	149	425193	47.026	ng	99
87) Indeno(1,2,3-cd)pyrene	17.062	276	491326	42.060	ng	100
88) Benzo(b)fluoranthene	15.110	252	362077	40.801	ng	100
89) Benzo(k)fluoranthene	15.139	252	347044	41.800	ng	100
90) Benzo(a)pyrene	15.486	252	361077	42.117	ng	100
91) Dibenzo(a,h)anthracene	17.074	278	399293	42.069	ng	99
92) Benzo(g,h,i)perylene	17.515	276	397566	42.006	ng	100

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

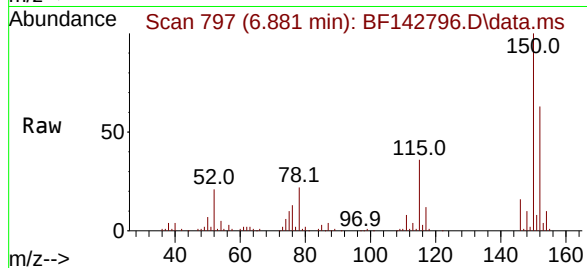
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BNA_F
ClientSampleId :
ICVBF061925

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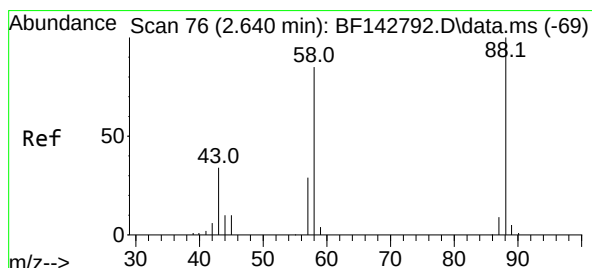
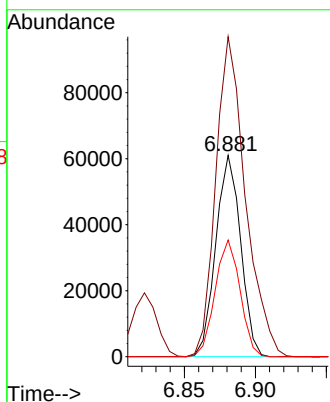
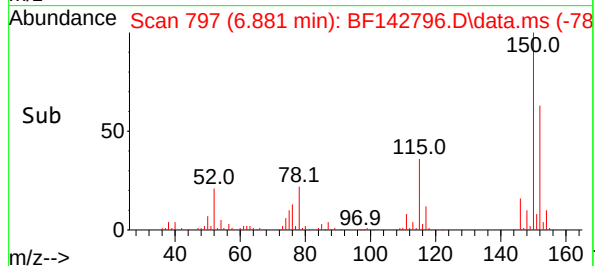


#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.881 min Scan# 74
Delta R.T. -0.000 min
Lab File: BF142796.D
Acq: 19 Jun 2025 21:10

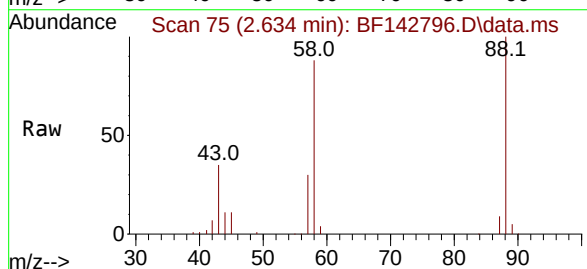
Instrument :
BNA_F
ClientSampleId :
ICVBF061925



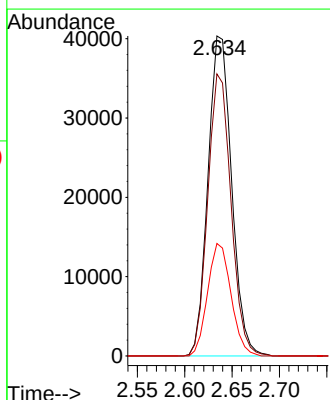
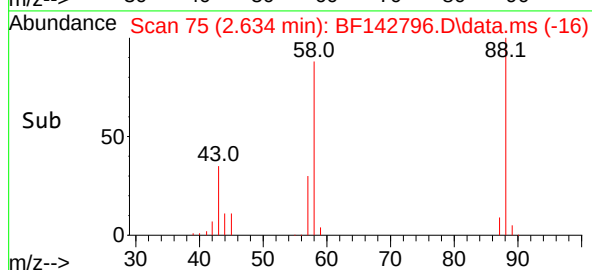
Tgt Ion:152 Resp: 74183
Ion Ratio Lower Upper
152 100
150 159.0 127.2 190.8
115 57.9 46.6 69.8

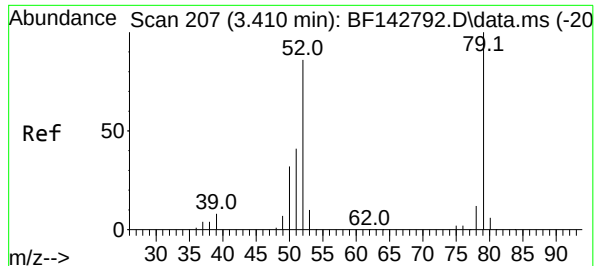


#2
1,4-Dioxane
Concen: 39.357 ng
RT: 2.634 min Scan# 75
Delta R.T. -0.006 min
Lab File: BF142796.D
Acq: 19 Jun 2025 21:10



Tgt Ion: 88 Resp: 70139
Ion Ratio Lower Upper
88 100
58 86.6 69.1 103.7
43 34.8 27.4 41.2





#3

Pyridine

Concen: 41.446 ng

RT: 3.404 min Scan# 207

Delta R.T. -0.006 min

Lab File: BF142796.D

Acq: 19 Jun 2025 21:10

Instrument :

BNA_F

ClientSampleId :

ICVBF061925

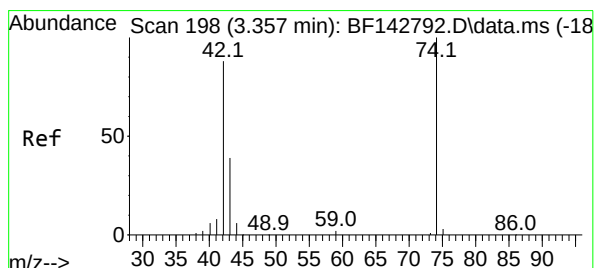
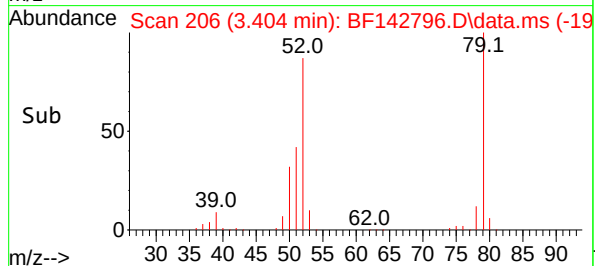
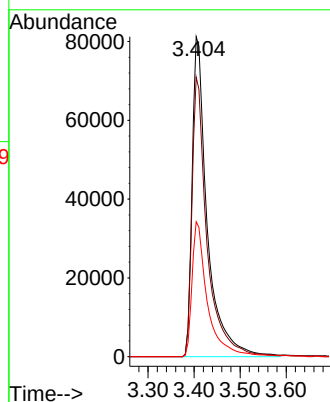
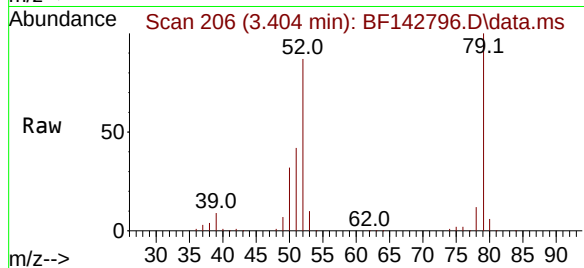
Tgt Ion: 79 Resp: 185173

Ion Ratio Lower Upper

79 100

52 87.4 69.2 103.8

51 42.1 33.2 49.8



#4

n-Nitrosodimethylamine

Concen: 41.912 ng

RT: 3.357 min Scan# 198

Delta R.T. 0.000 min

Lab File: BF142796.D

Acq: 19 Jun 2025 21:10

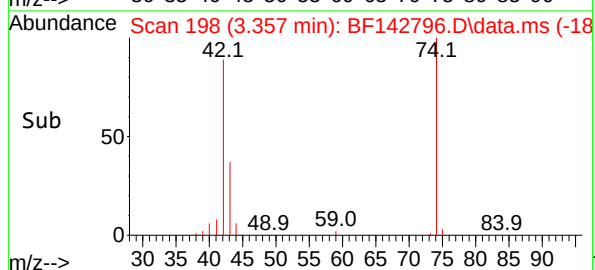
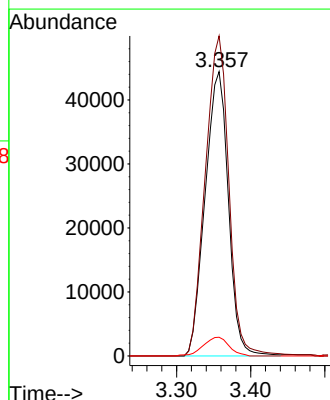
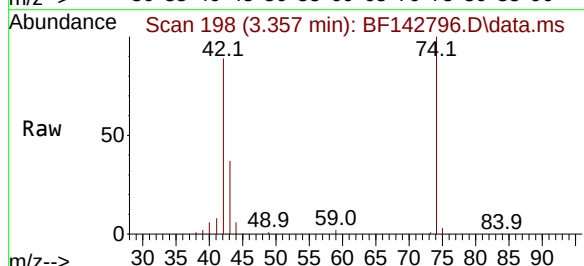
Tgt Ion: 42 Resp: 96831

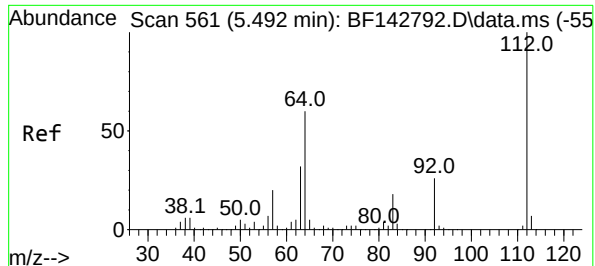
Ion Ratio Lower Upper

42 100

74 112.6 90.9 136.3

44 6.6 5.8 8.6

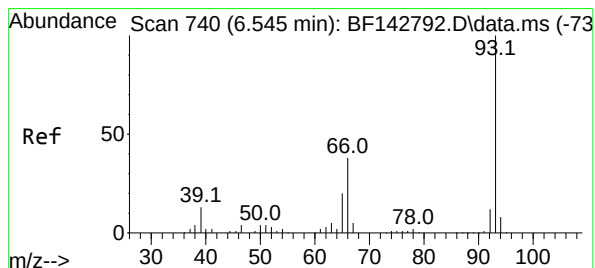
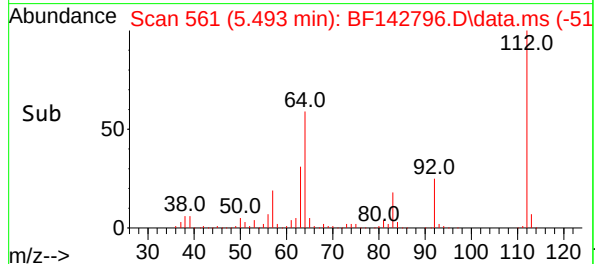
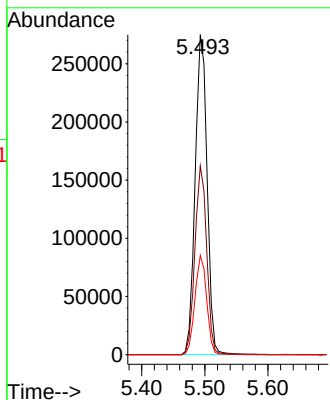
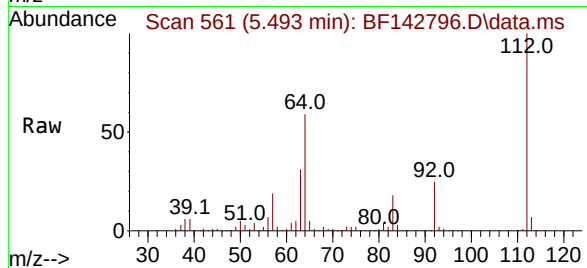




#5
2-Fluorophenol
Concen: 81.192 ng
RT: 5.493 min Scan# 501
Delta R.T. 0.001 min
Lab File: BF142796.D
Acq: 19 Jun 2025 21:10

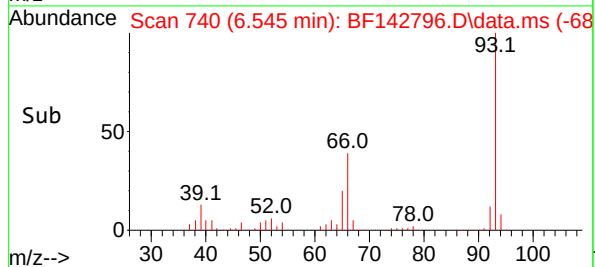
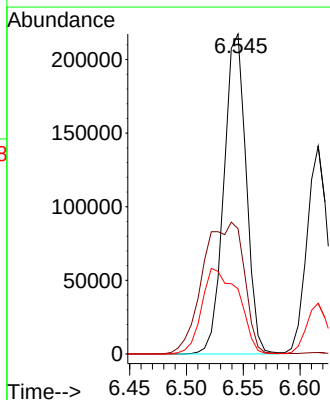
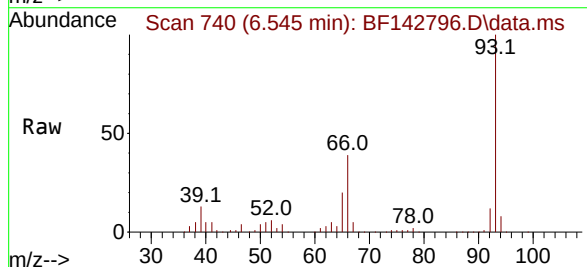
Instrument :
BNA_F
ClientSampleId :
ICVBF061925

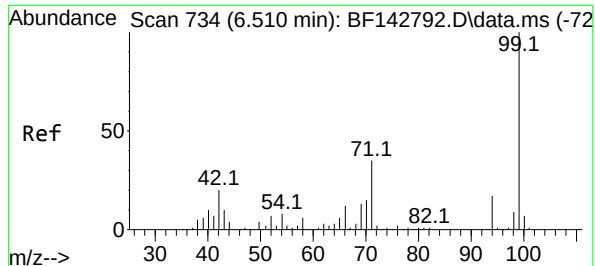
Tgt Ion:112 Resp: 361762
Ion Ratio Lower Upper
112 100
64 59.0 48.2 72.2
63 31.0 25.7 38.5



#6
Aniline
Concen: 42.392 ng
RT: 6.545 min Scan# 740
Delta R.T. 0.000 min
Lab File: BF142796.D
Acq: 19 Jun 2025 21:10

Tgt Ion: 93 Resp: 296519
Ion Ratio Lower Upper
93 100
66 39.2 31.8 47.6
65 20.4 16.2 24.2





#7

Phenol-d6

Concen: 80.262 ng

RT: 6.510 min Scan# 71

Delta R.T. 0.000 min

Lab File: BF142796.D

Acq: 19 Jun 2025 21:10

Instrument :

BNA_F

ClientSampleId :

ICVBF061925

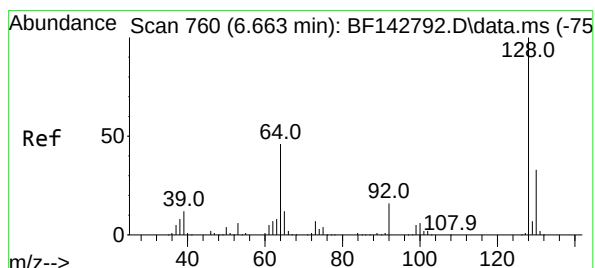
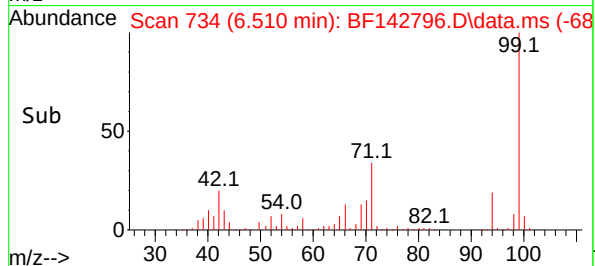
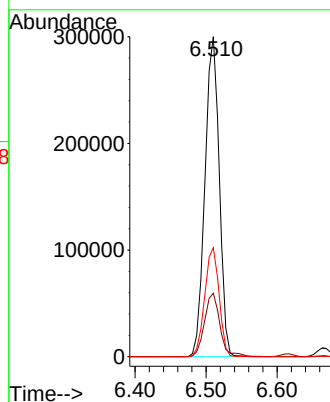
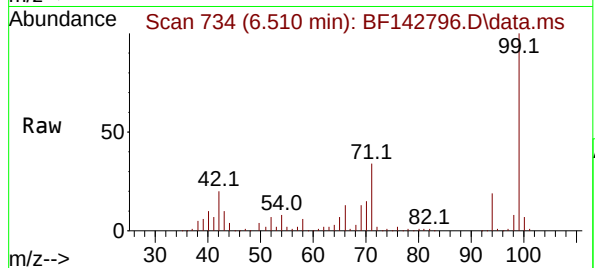
Tgt Ion: 99 Resp: 421918

Ion Ratio Lower Upper

99 100

42 19.8 15.9 23.9

71 34.1 27.8 41.8



#8

2-Chlorophenol

Concen: 42.036 ng

RT: 6.663 min Scan# 760

Delta R.T. 0.000 min

Lab File: BF142796.D

Acq: 19 Jun 2025 21:10

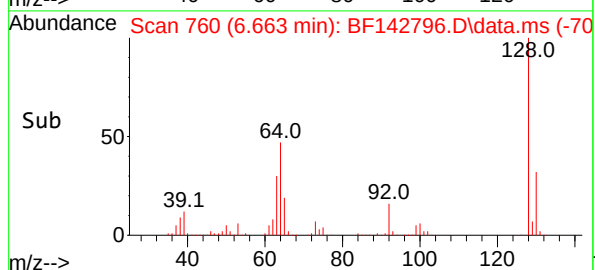
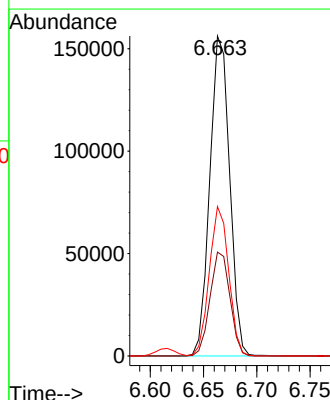
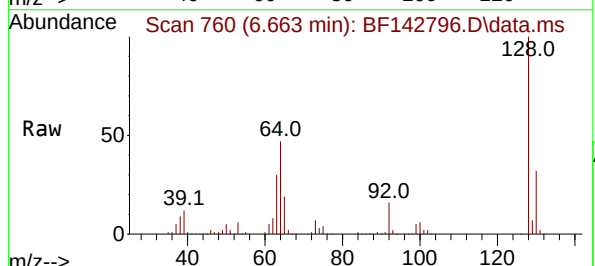
Tgt Ion:128 Resp: 202041

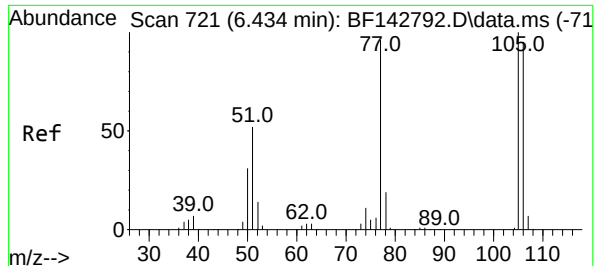
Ion Ratio Lower Upper

128 100

130 32.4 12.7 52.7

64 46.7 26.5 66.5





#9

Benzaldehyde

Concen: 47.511 ng

RT: 6.434 min Scan# 721

Delta R.T. -0.000 min

Lab File: BF142796.D

Acq: 19 Jun 2025 21:10

Instrument :

BNA_F

ClientSampleId :

ICVBF061925

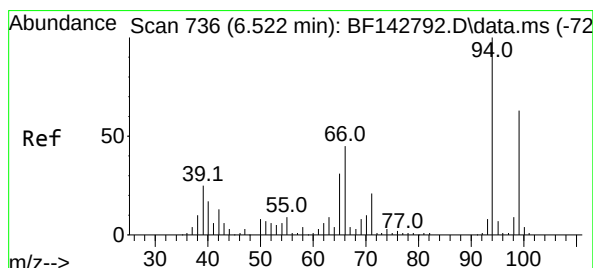
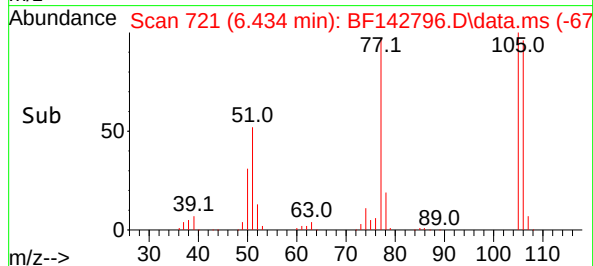
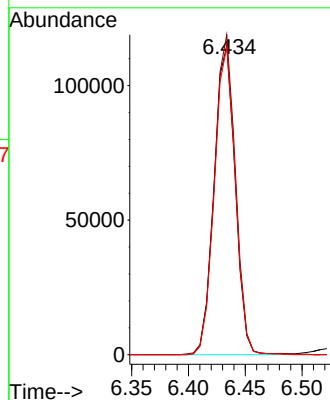
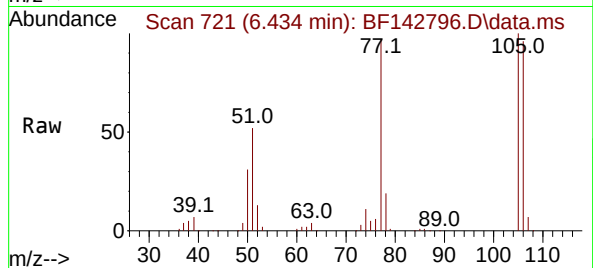
Tgt Ion: 77 Resp: 148174

Ion Ratio Lower Upper

77 100

105 103.4 83.8 123.8

106 99.4 78.7 118.7



#10

Phenol

Concen: 41.901 ng

RT: 6.522 min Scan# 736

Delta R.T. 0.000 min

Lab File: BF142796.D

Acq: 19 Jun 2025 21:10

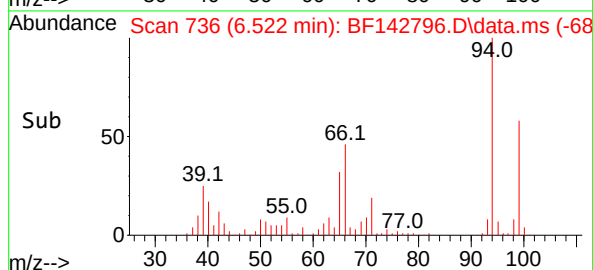
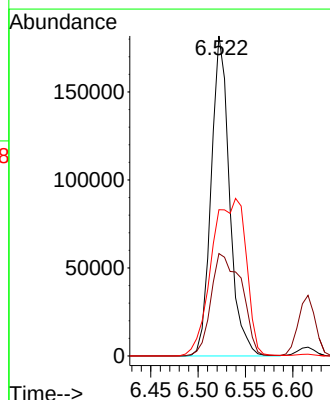
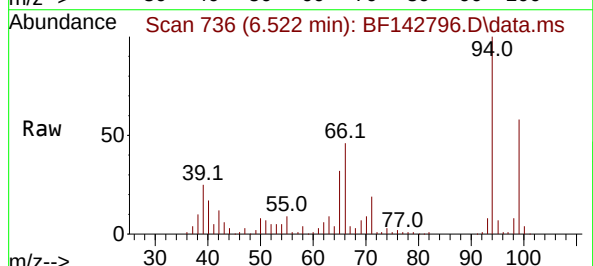
Tgt Ion: 94 Resp: 244839

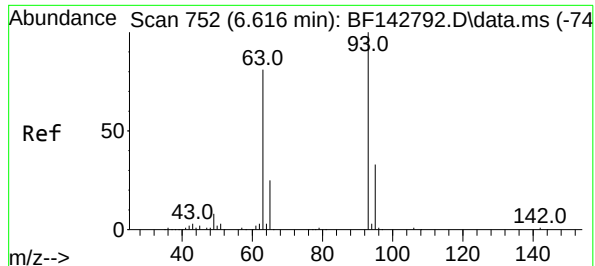
Ion Ratio Lower Upper

94 100

65 32.0 11.3 51.3

66 45.7 24.9 64.9





#11

bis(2-Chloroethyl)ether

Concen: 42.157 ng

RT: 6.616 min Scan# 752

Delta R.T. 0.000 min

Lab File: BF142796.D

Acq: 19 Jun 2025 21:10

Instrument :

BNA_F

ClientSampleId :

ICVBF061925

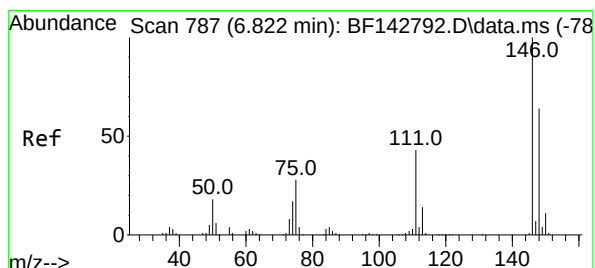
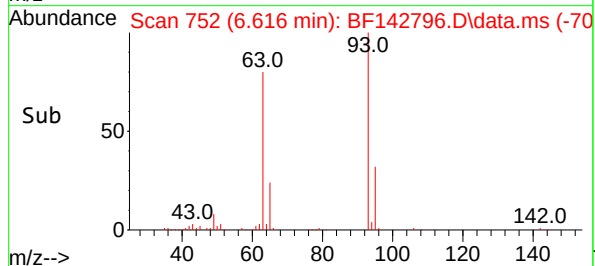
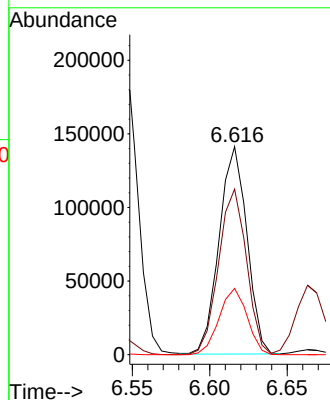
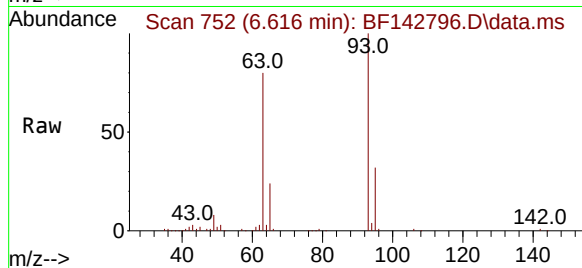
Tgt Ion: 93 Resp: 176058

Ion Ratio Lower Upper

93 100

63 79.6 60.3 100.3

95 31.9 12.5 52.5



#12

1,3-Dichlorobenzene

Concen: 42.568 ng

RT: 6.822 min Scan# 787

Delta R.T. 0.000 min

Lab File: BF142796.D

Acq: 19 Jun 2025 21:10

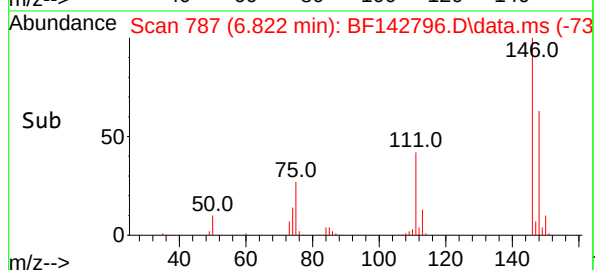
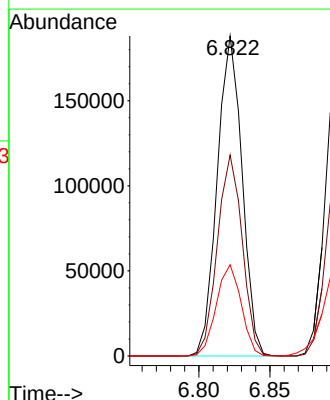
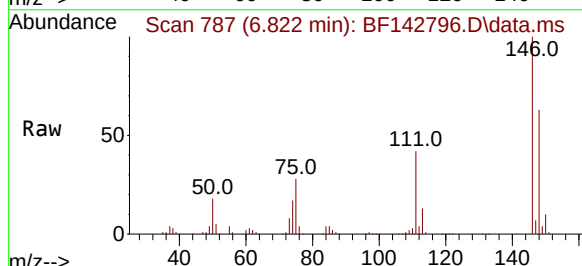
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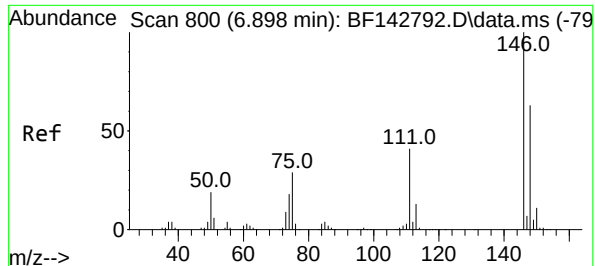
Ion Ratio Lower Upper

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

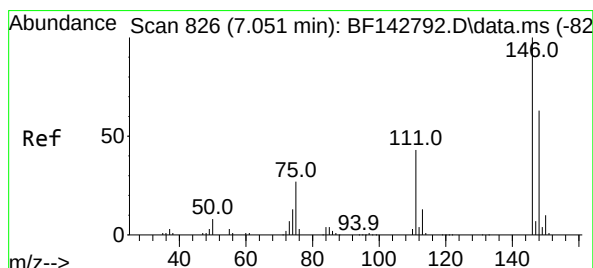
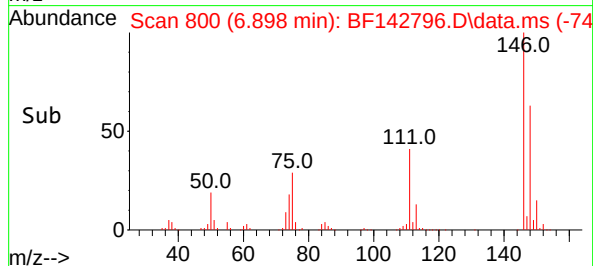
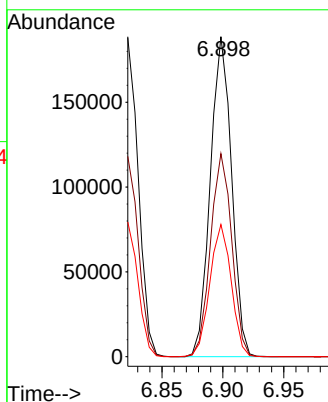
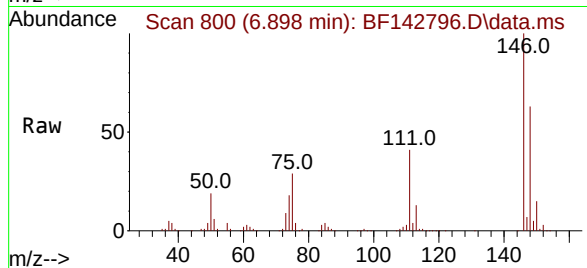
Tgt Ion:146 Resp: 229234

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

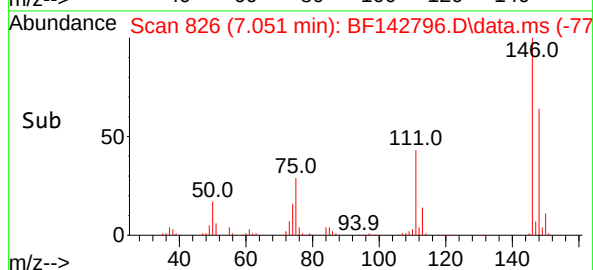
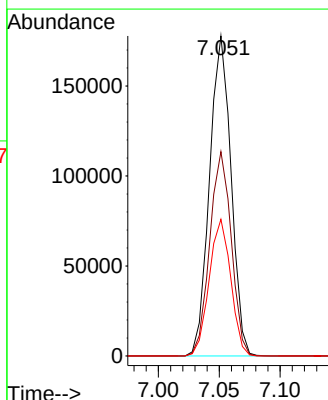
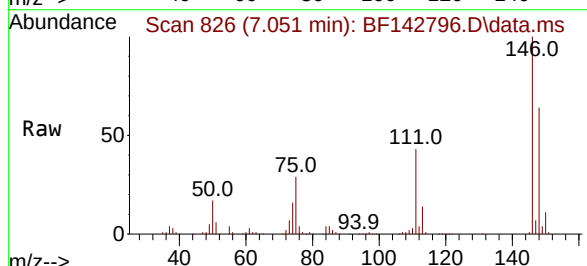
Tgt Ion:146 Resp: 218720

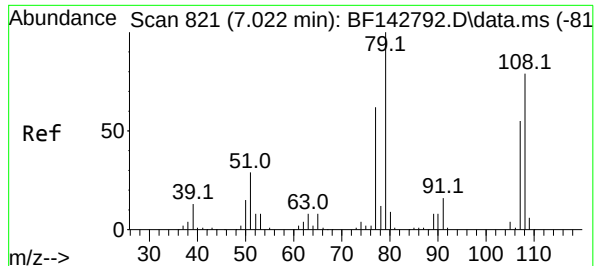
Ion Ratio Lower Upper

146 100

148 63.9 50.4 75.6

111 42.7 34.1 51.1

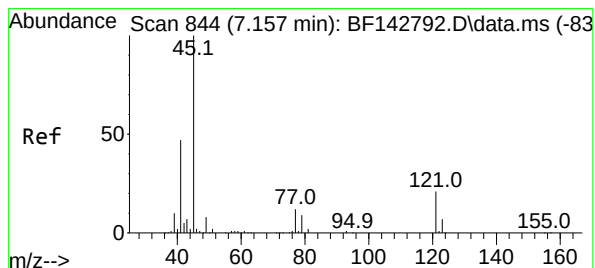
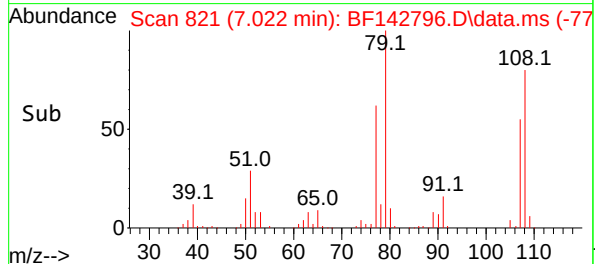
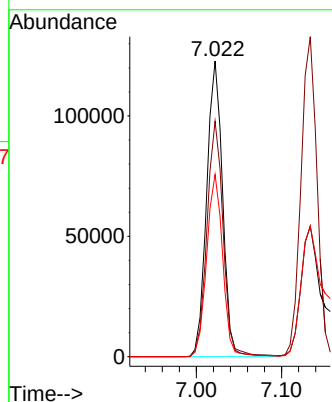
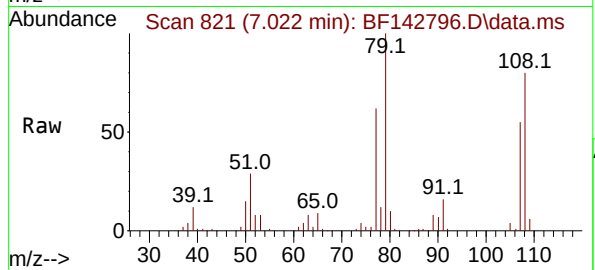




#15
Benzyl Alcohol
Concen: 42.114 ng
RT: 7.022 min Scan# 821
Delta R.T. 0.000 min
Lab File: BF142796.D
Acq: 19 Jun 2025 21:10

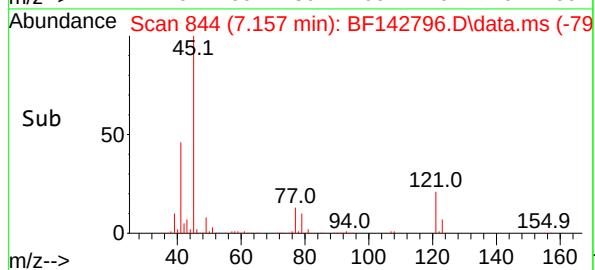
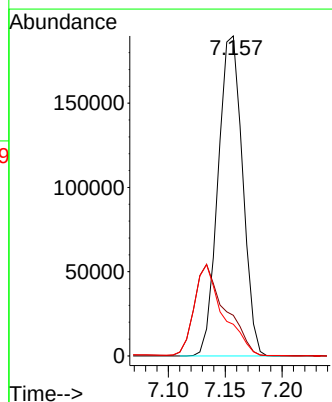
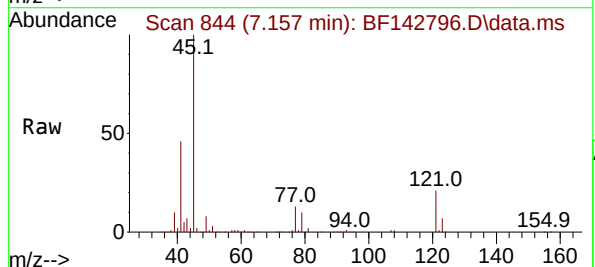
Instrument :
BNA_F
ClientSampleId :
ICVBF061925

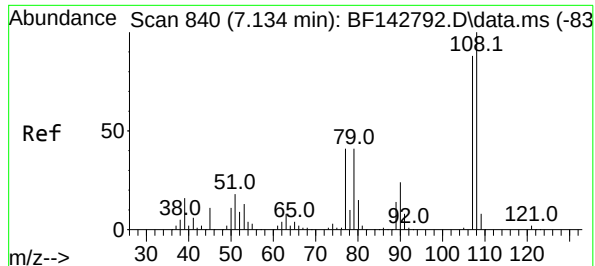
Tgt Ion: 79 Resp: 160044
Ion Ratio Lower Upper
79 100
108 79.6 63.4 95.0
77 61.7 49.5 74.3



#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

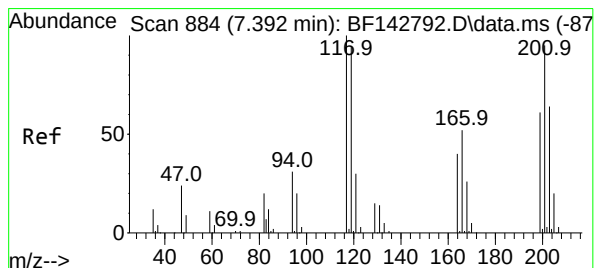
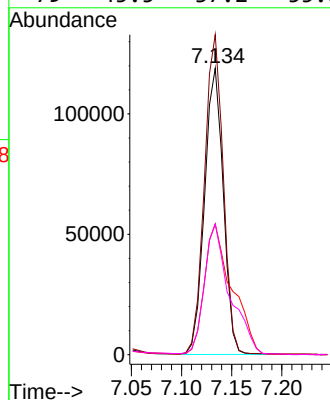
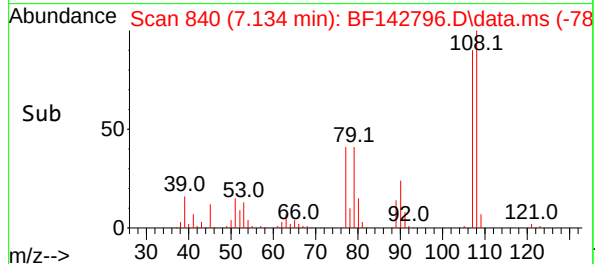
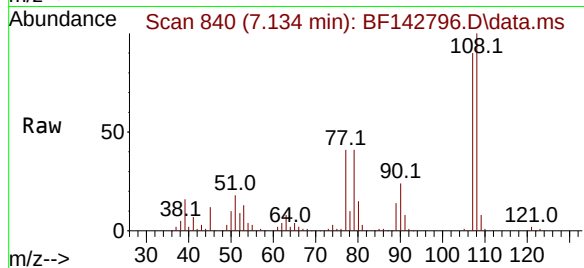




#17
2-Methylphenol
Concen: 42.485 ng
RT: 7.134 min Scan# 840
Delta R.T. 0.000 min
Lab File: BF142796.D
Acq: 19 Jun 2025 21:10

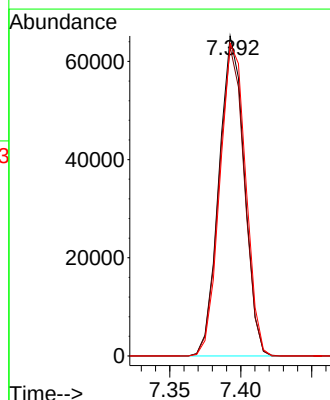
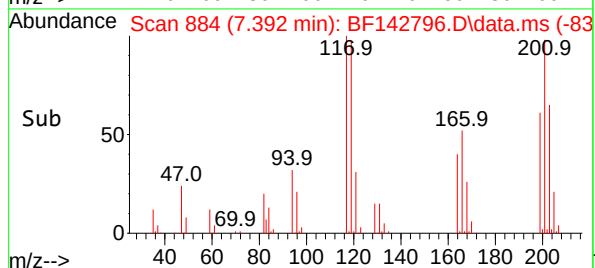
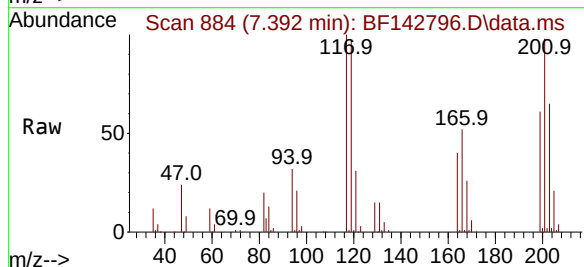
Instrument :
BNA_F
ClientSampleId :
ICVBF061925

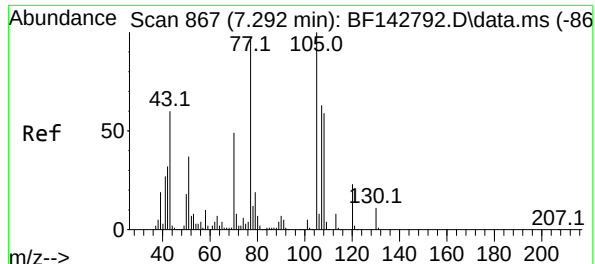
Tgt Ion:107 Resp: 154746
Ion Ratio Lower Upper
107 100
108 111.6 90.9 136.3
77 45.7 37.3 55.9
79 45.5 37.2 55.8



#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

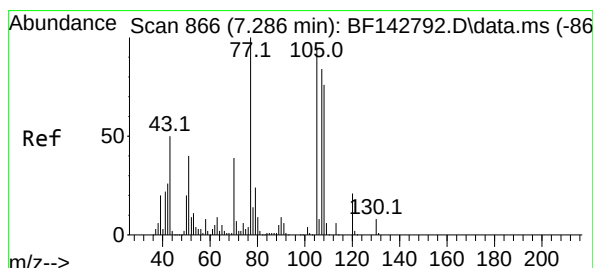
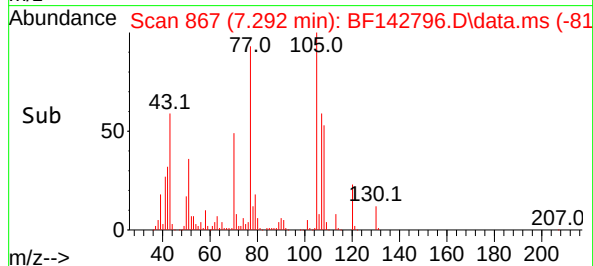
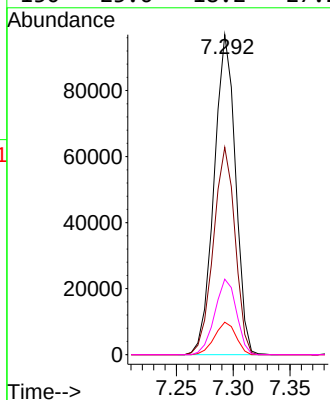
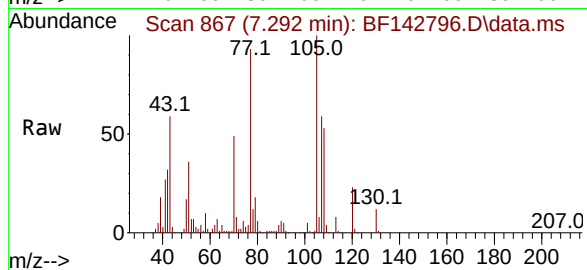
Ion Ratio Lower Upper

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

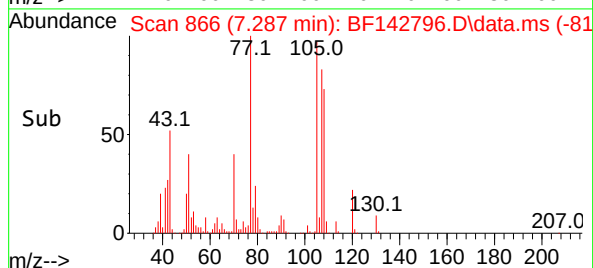
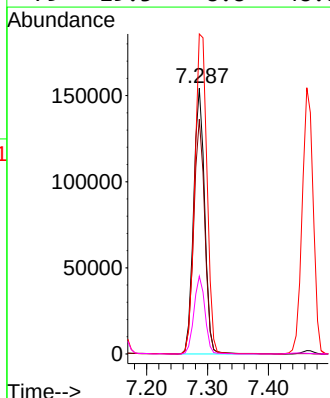
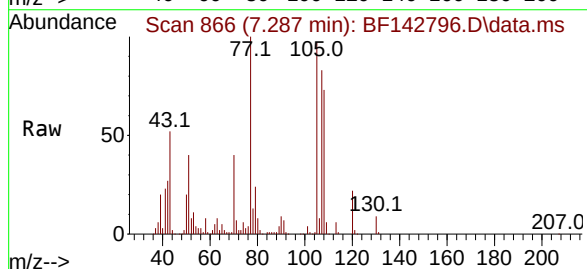
Ion Ratio Lower Upper

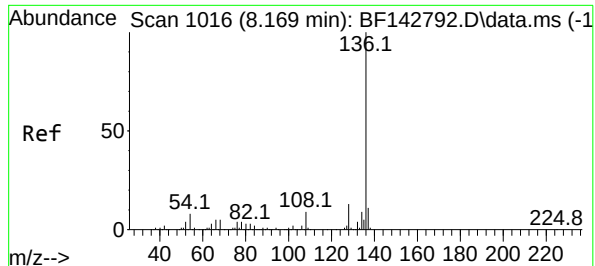
107 100

108 88.3 70.0 110.0

77 120.4 98.5 138.5

79 29.3 8.8 48.8

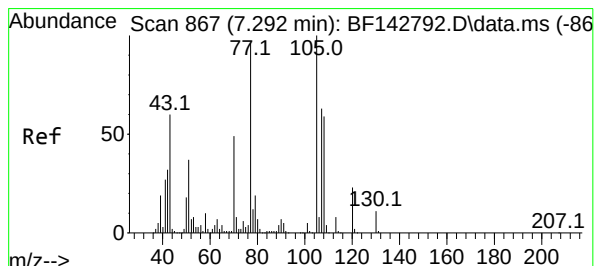
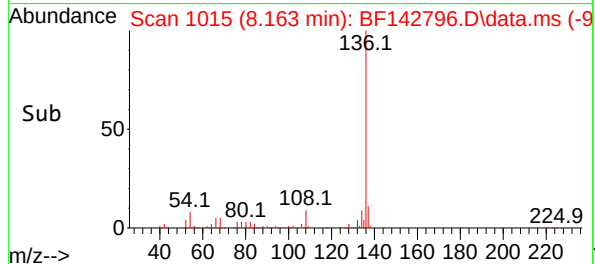
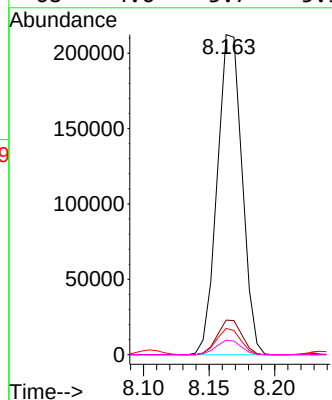
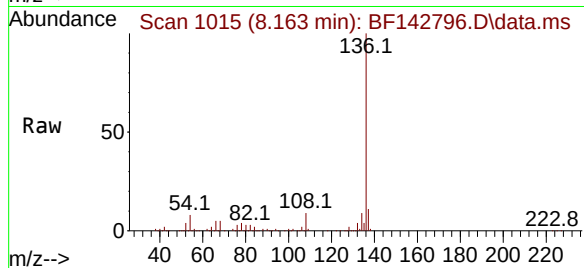




#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.163 min Scan# 1015
Delta R.T. -0.006 min
Lab File: BF142796.D
Acq: 19 Jun 2025 21:10

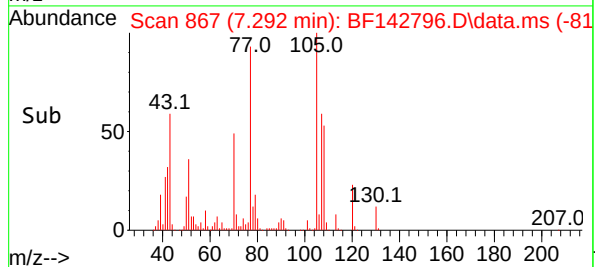
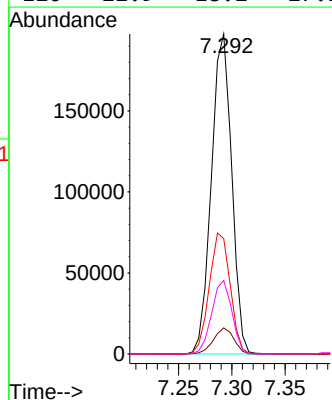
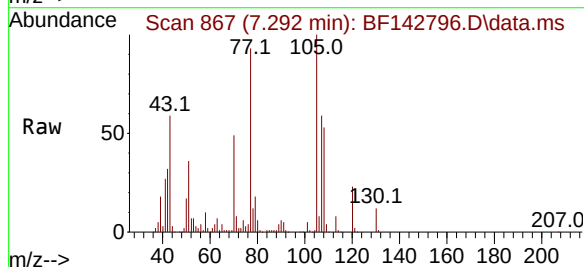
Instrument :
BNA_F
ClientSampleId :
ICVBF061925

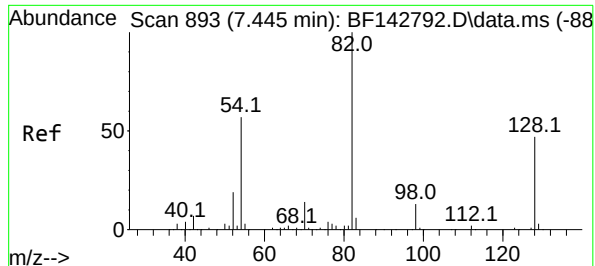
Tgt Ion:136 Resp: 279139
Ion Ratio Lower Upper
136 100
137 10.8 8.4 12.6
54 8.2 6.3 9.5
68 4.6 3.7 5.5



#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

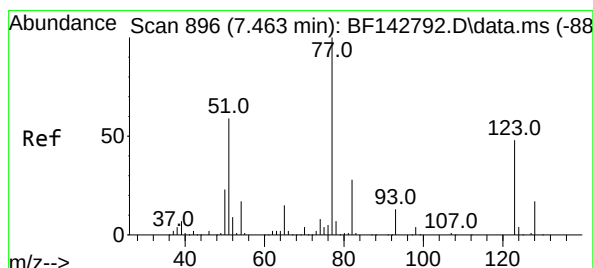
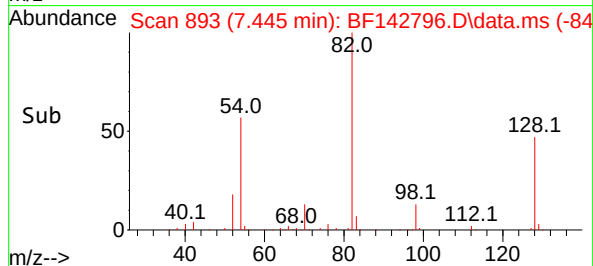
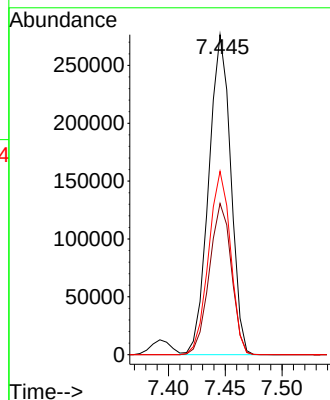
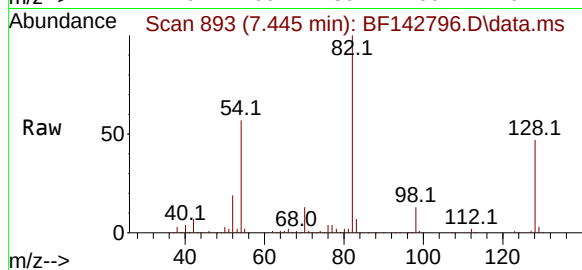
Tgt Ion: 82 Resp: 373199

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

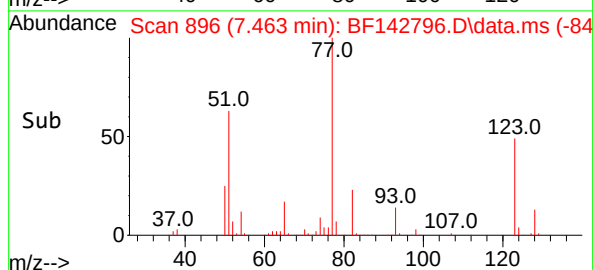
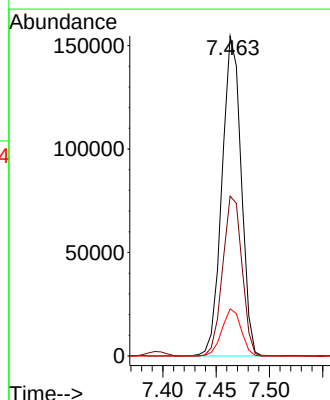
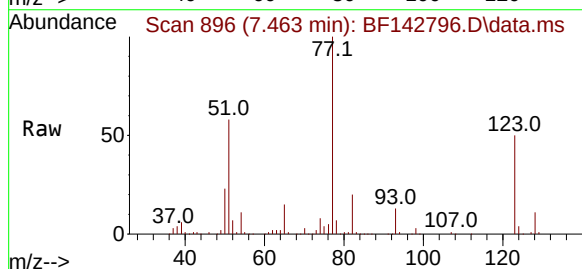
Tgt Ion: 77 Resp: 193310

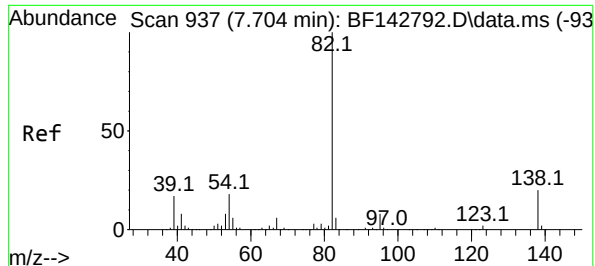
Ion Ratio Lower Upper

77 100

123 50.0 39.2 58.8

65 14.7 11.6 17.4

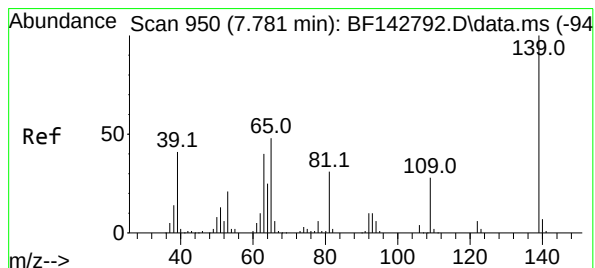
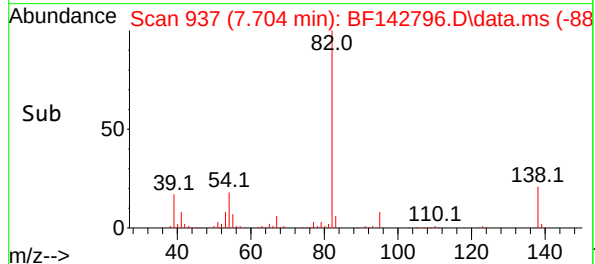
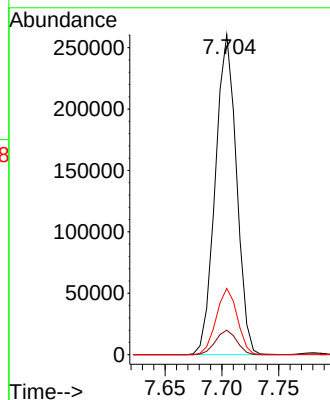
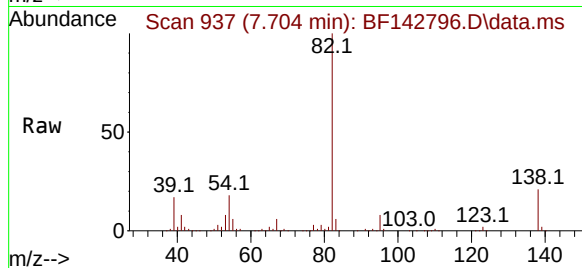




#25
Isophorone
Concen: 41.403 ng
RT: 7.704 min Scan# 91
Delta R.T. 0.000 min
Lab File: BF142796.D
Acq: 19 Jun 2025 21:10

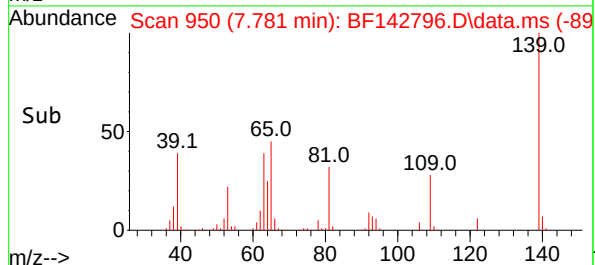
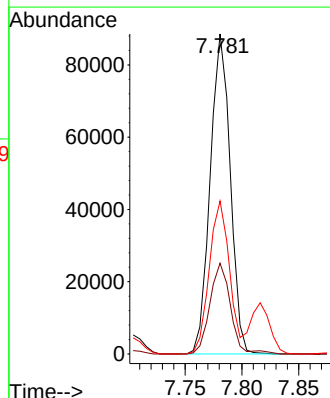
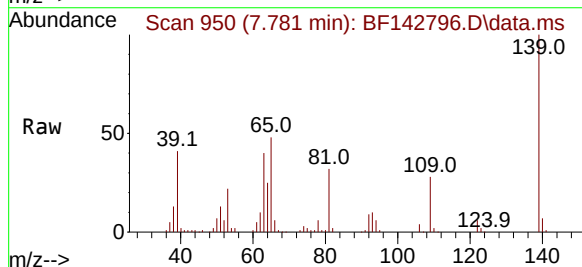
Instrument :
BNA_F
ClientSampleId :
ICVBF061925

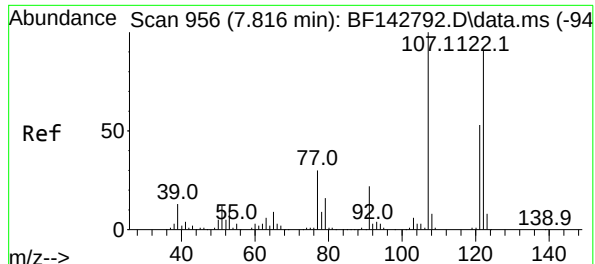
Tgt Ion:	82	Resp:	338001
Ion	Ratio	Lower	Upper
82	100		
95	7.7	6.2	9.2
138	20.7	16.2	24.4



#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

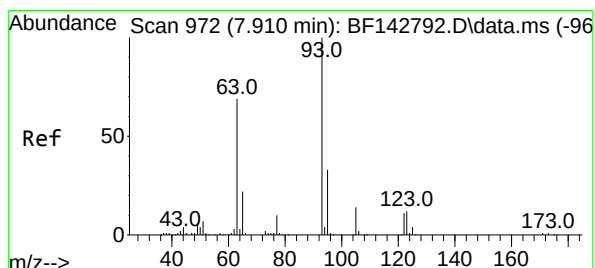
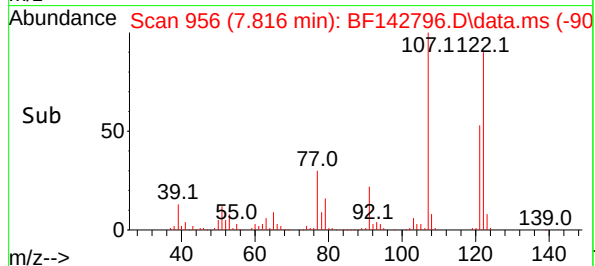
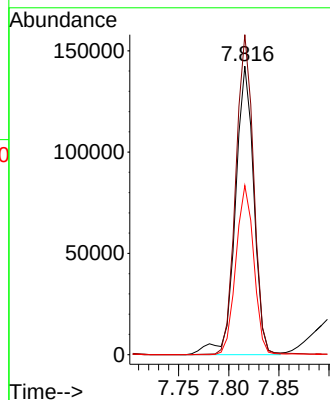
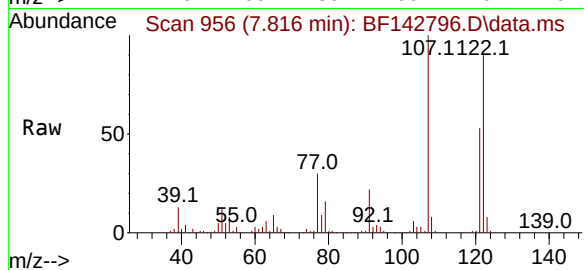
Tgt Ion:122 Resp: 183273

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

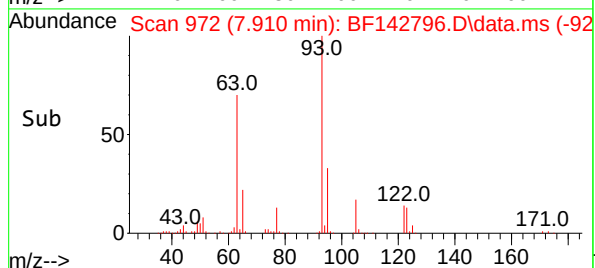
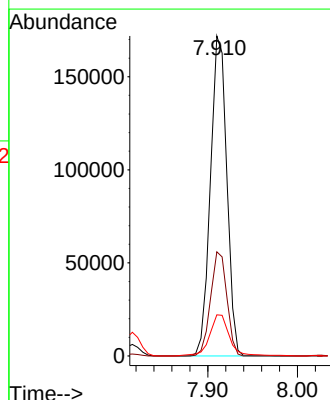
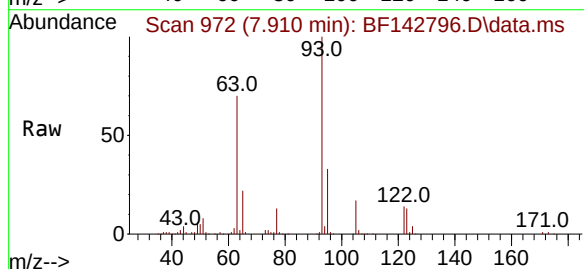
Tgt Ion: 93 Resp: 217774

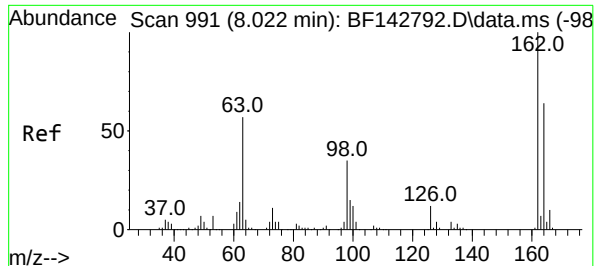
Ion Ratio Lower Upper

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

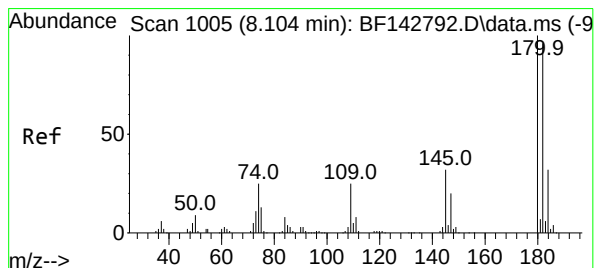
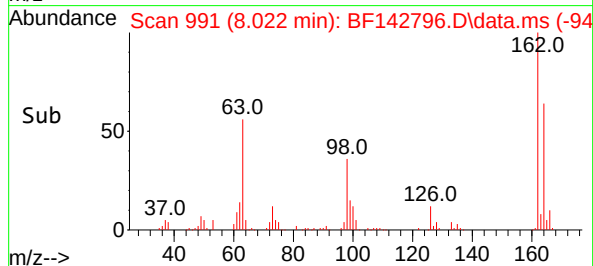
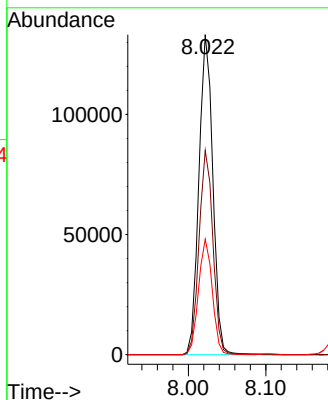
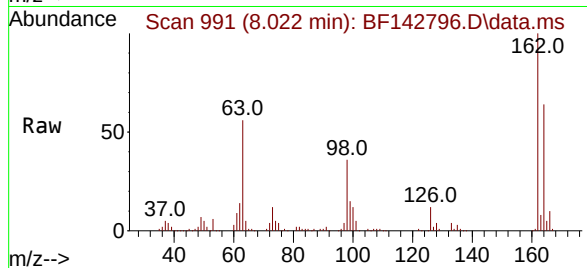
Tgt Ion:162 Resp: 166286

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

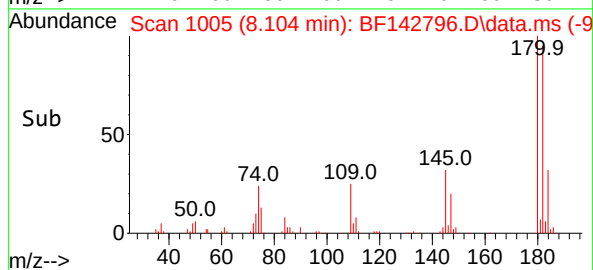
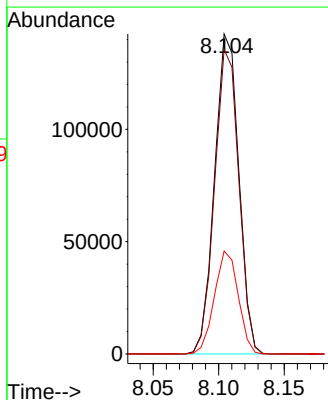
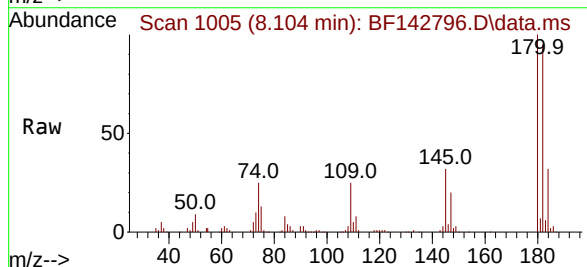
Tgt Ion:180 Resp: 182768

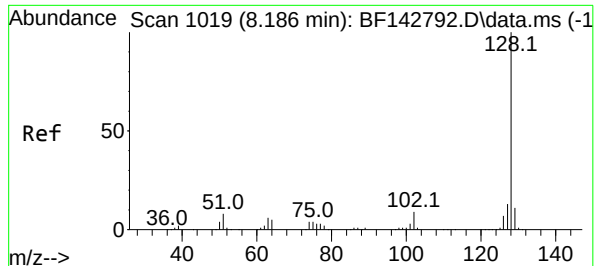
Ion Ratio Lower Upper

180 100

182 95.1 76.4 114.6

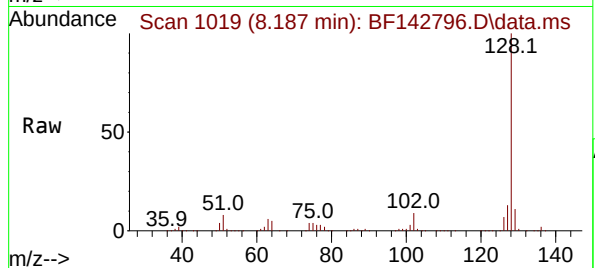
145 32.1 25.8 38.8



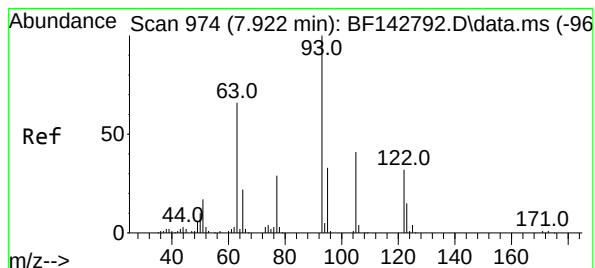
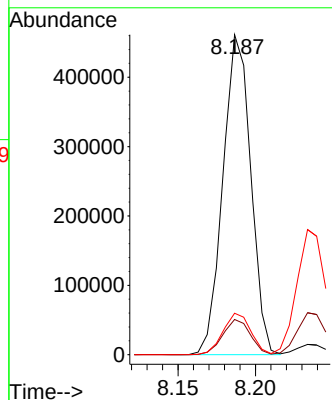
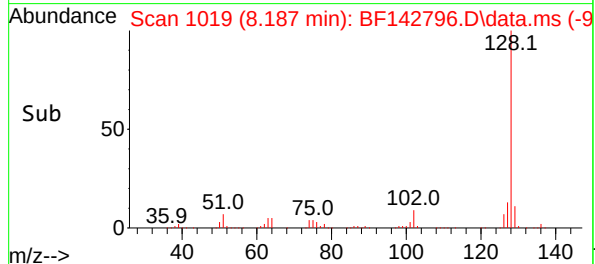


#31
Naphthalene
Concen: 42.218 ng
RT: 8.187 min Scan# 1019
Delta R.T. 0.000 min
Lab File: BF142796.D
Acq: 19 Jun 2025 21:10

Instrument :
BNA_F
ClientSampleId :
ICVBF061925

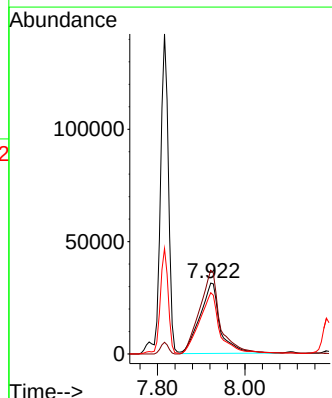
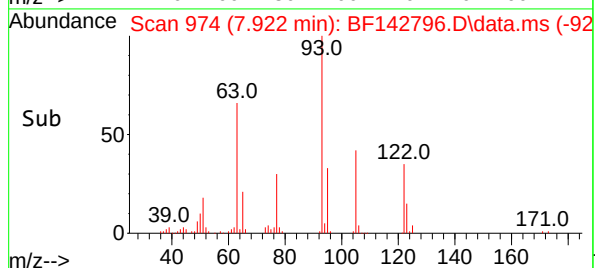
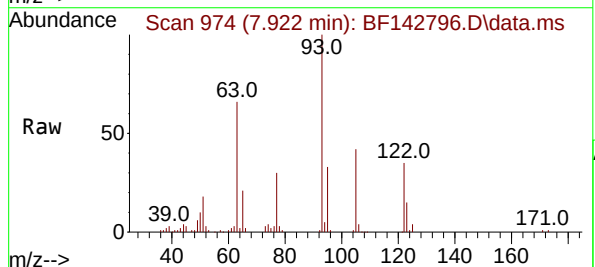


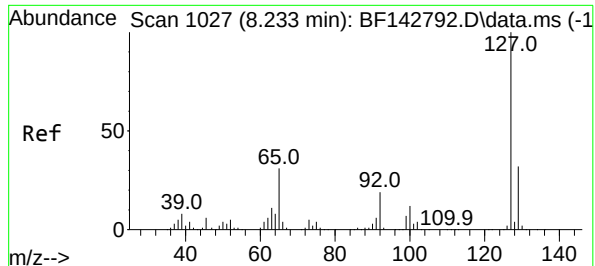
Tgt Ion:128 Resp: 576847
Ion Ratio Lower Upper
128 100
129 11.0 8.9 13.3
127 12.9 10.4 15.6



#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

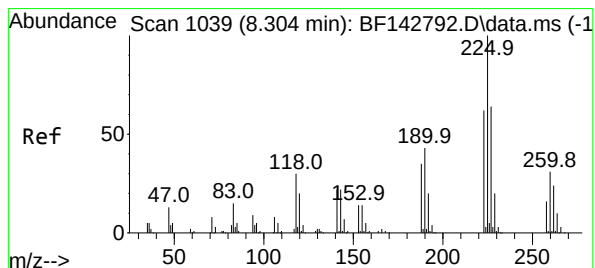
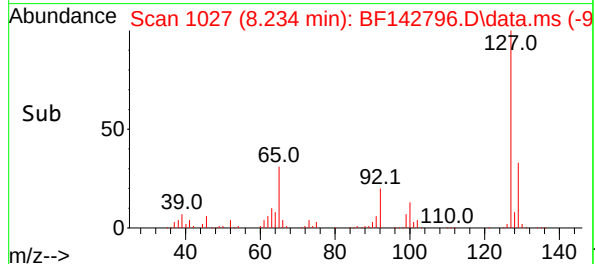
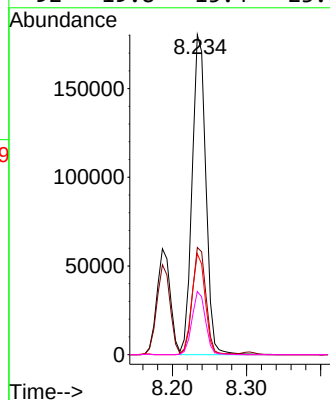
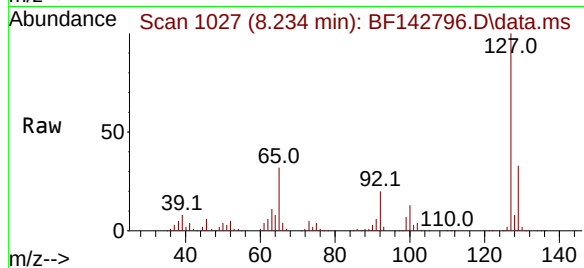
Ion Ratio Lower Upper

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

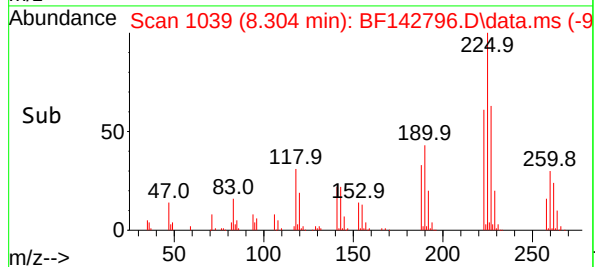
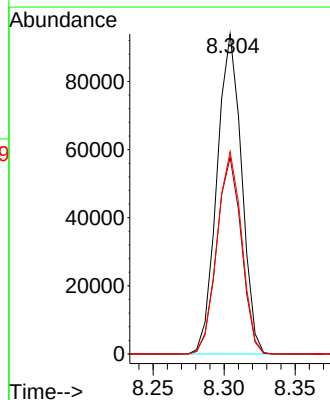
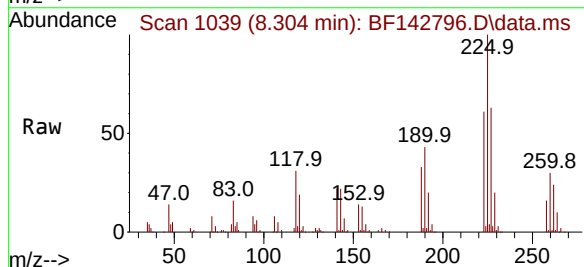
Tgt Ion:225 Resp: 113068

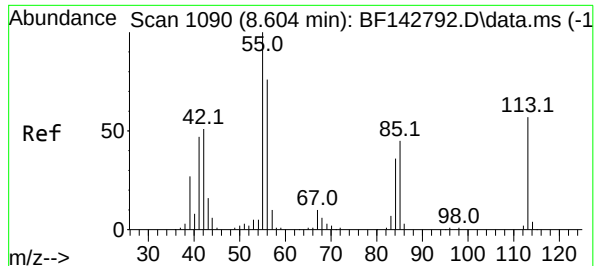
Ion Ratio Lower Upper

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

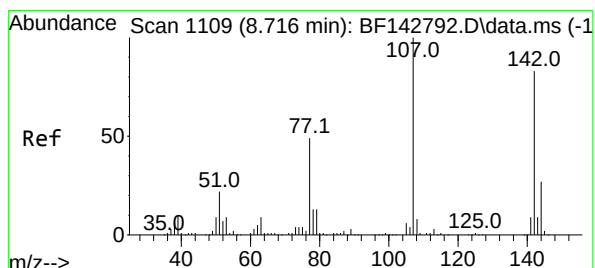
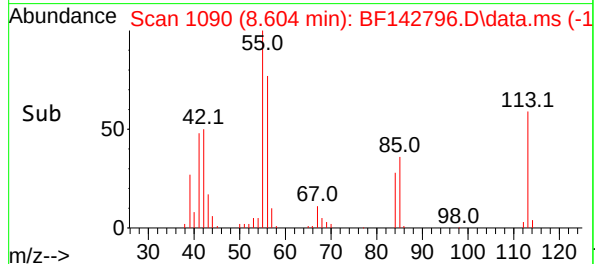
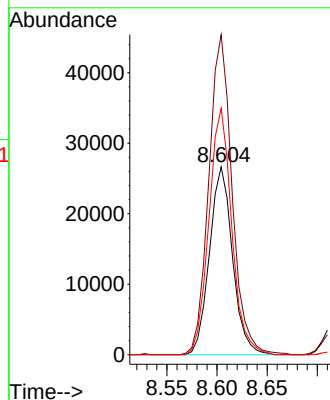
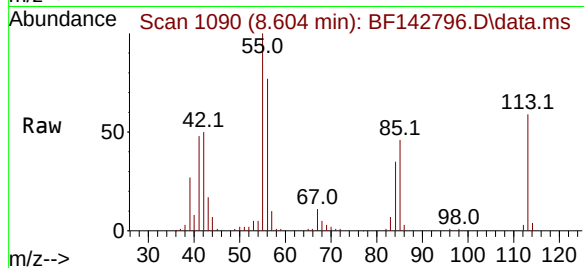
Tgt Ion:113 Resp: 42561

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

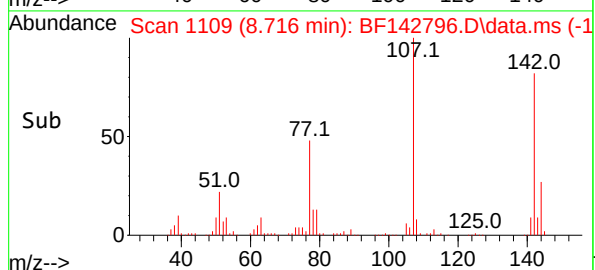
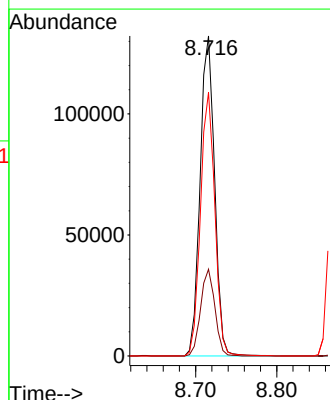
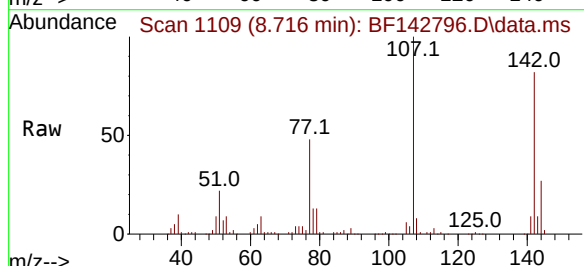
Tgt Ion:107 Resp: 164064

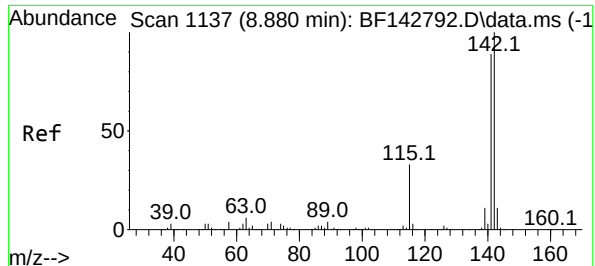
Ion Ratio Lower Upper

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 :

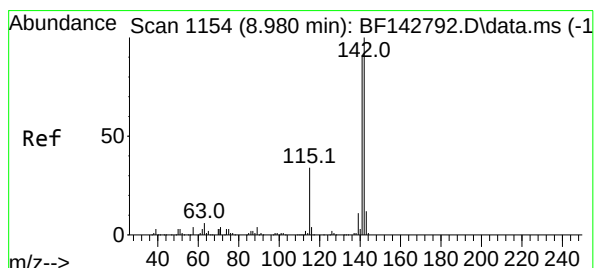
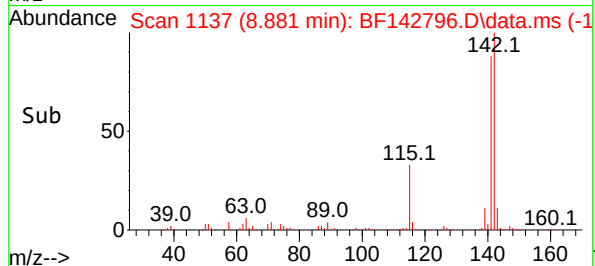
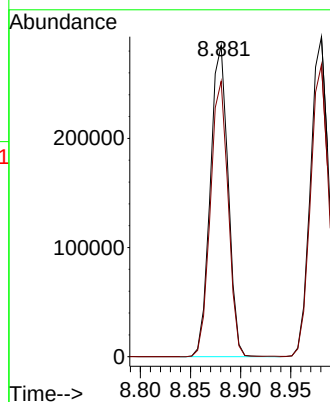
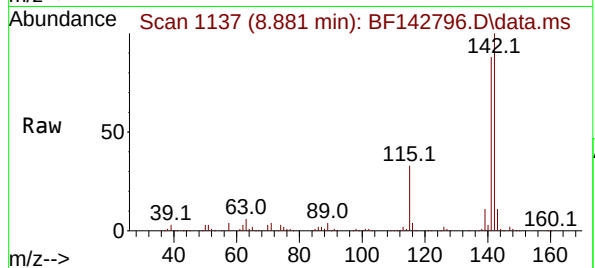
ICVBF061925

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

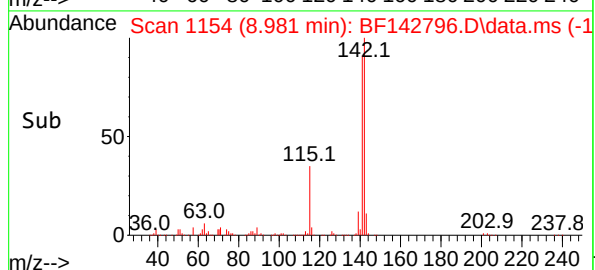
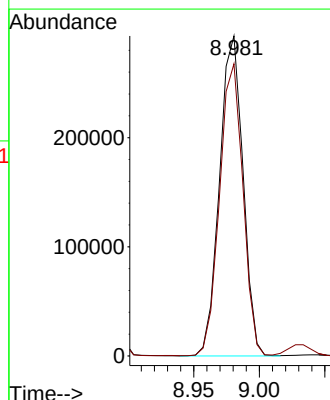
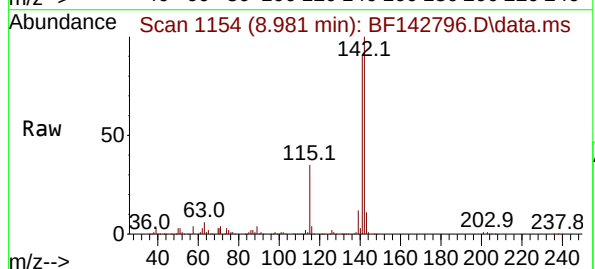
Acq: 19 Jun 2025 21:10

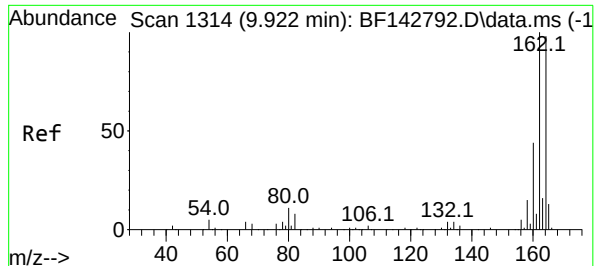
Tgt Ion:142 Resp: 364378

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

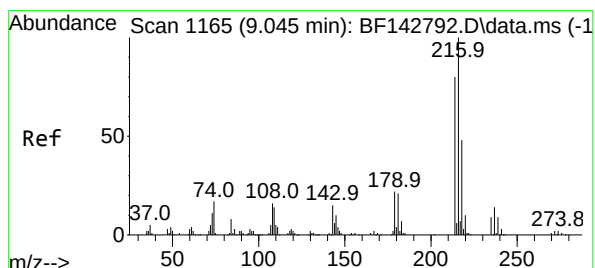
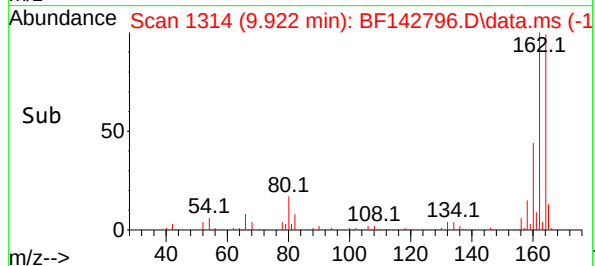
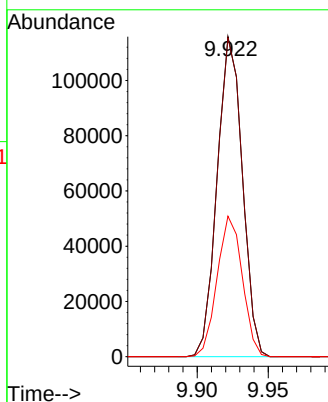
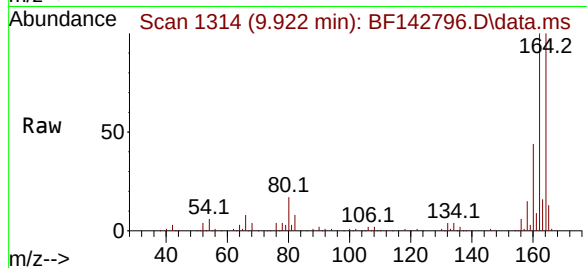
Tgt Ion:164 Resp: 142968

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

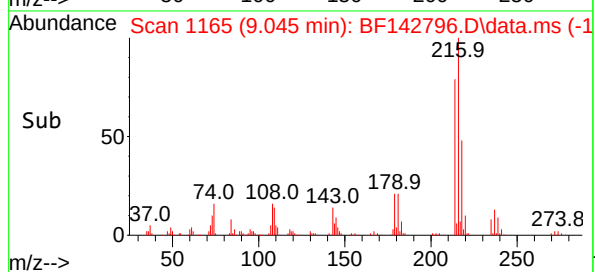
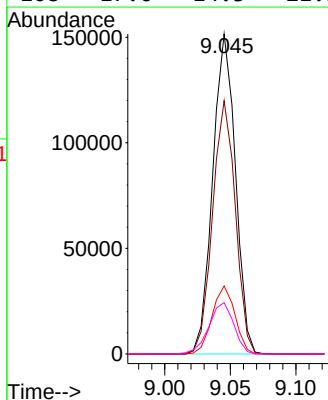
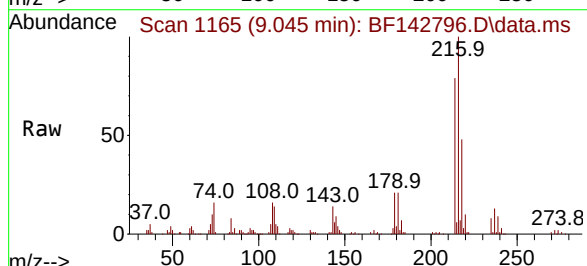
Ion Ratio Lower Upper

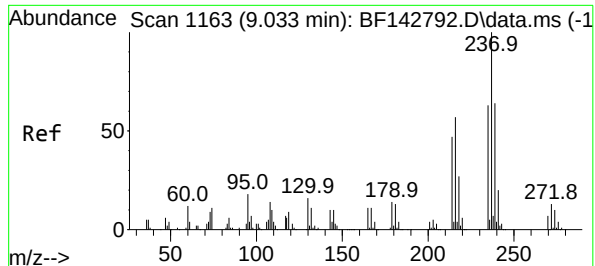
216 100

214 79.1 63.7 95.5

179 21.3 17.6 26.4

108 17.6 14.3 21.5

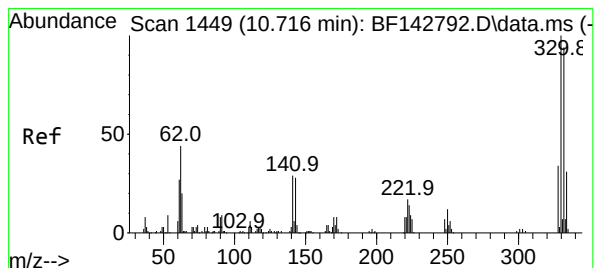
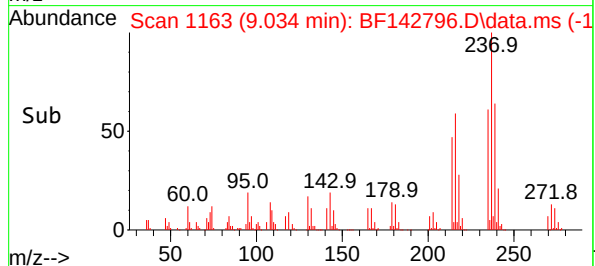
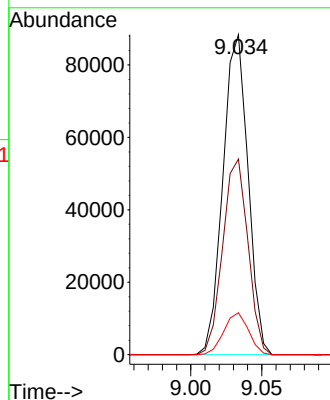
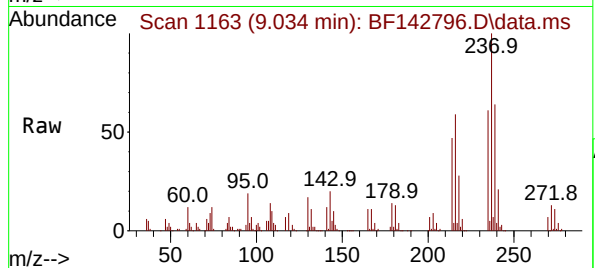




#41
Hexachlorocyclopentadiene
Concen: 45.361 ng
RT: 9.034 min Scan# 1163
Delta R.T. 0.000 min
Lab File: BF142796.D
Acq: 19 Jun 2025 21:10

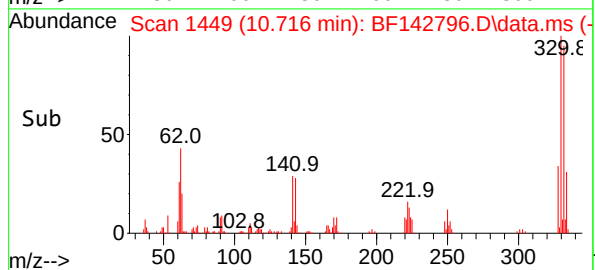
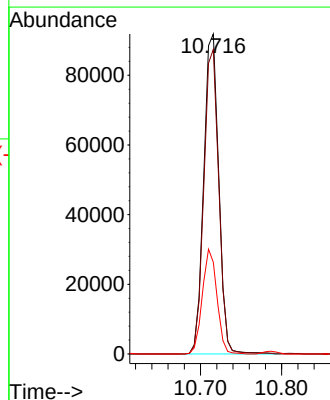
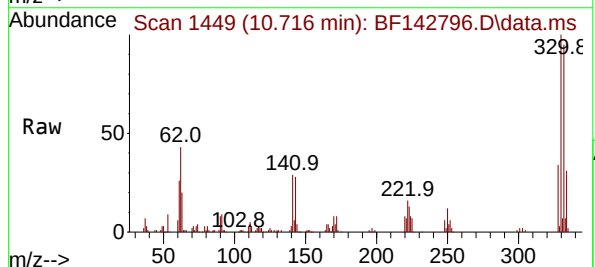
Instrument :
BNA_F
ClientSampleId :
ICVBF061925

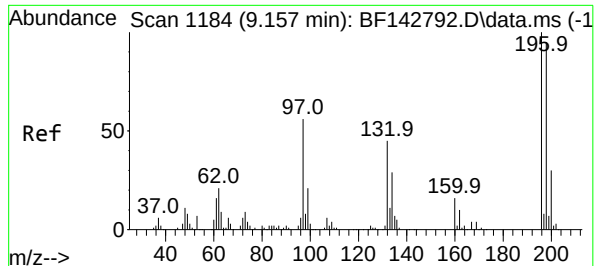
Tgt Ion:237 Resp: 108592
Ion Ratio Lower Upper
237 100
235 61.2 43.4 83.4
272 13.1 0.0 32.7



#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

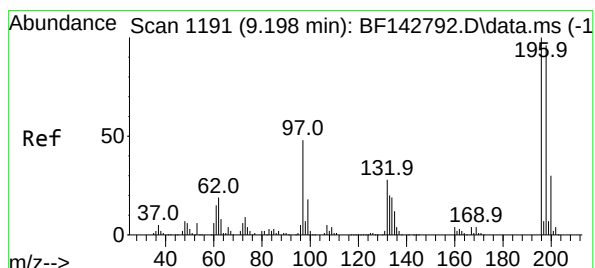
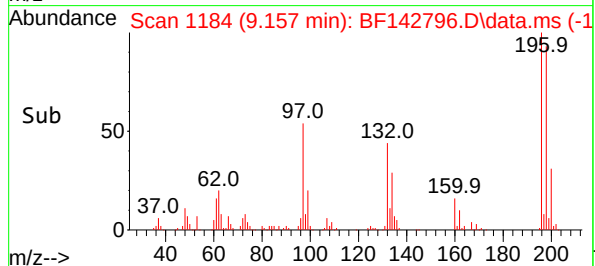
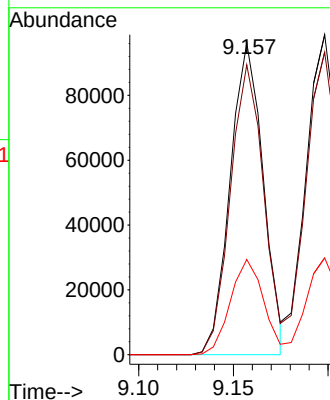
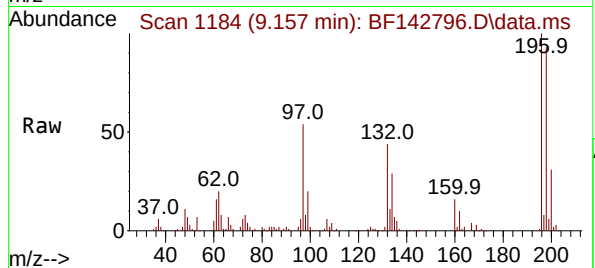
Tgt Ion:196 Resp: 116946

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

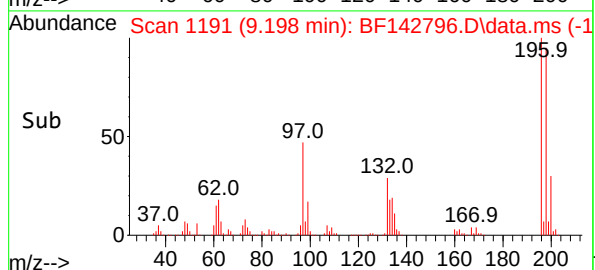
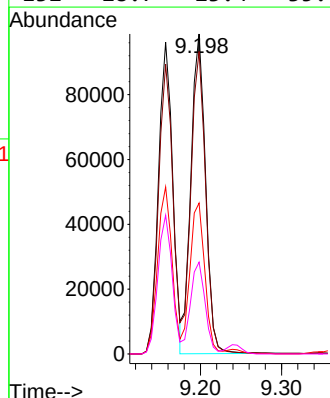
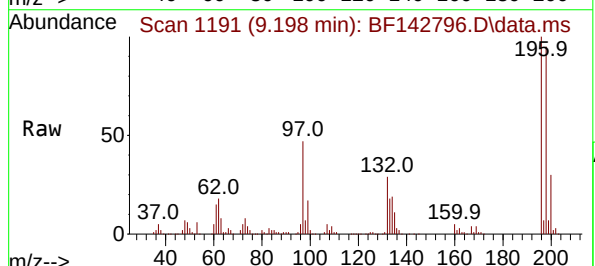
Ion Ratio Lower Upper

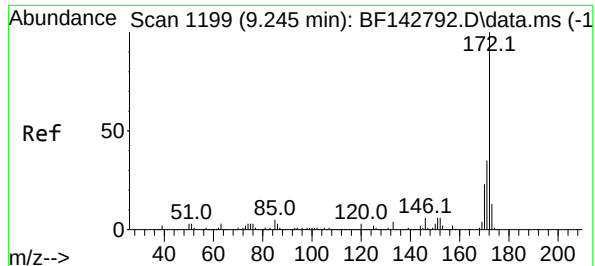
196 100

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

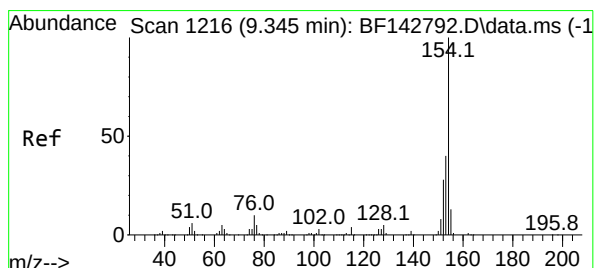
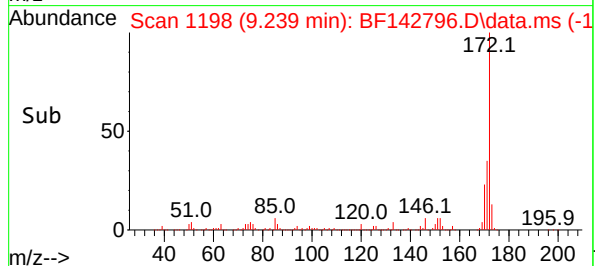
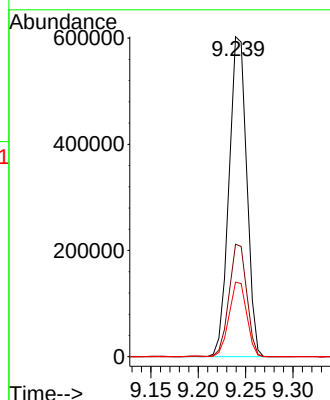
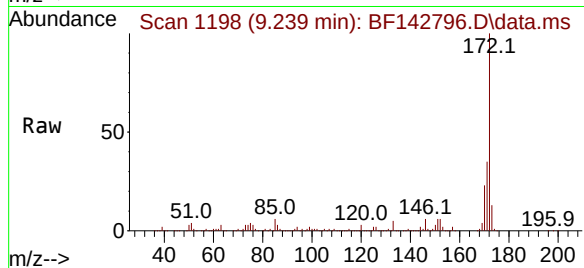
Tgt Ion:172 Resp: 785440

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

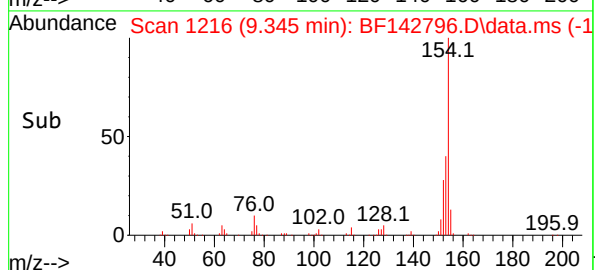
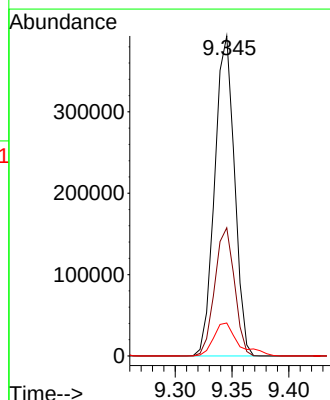
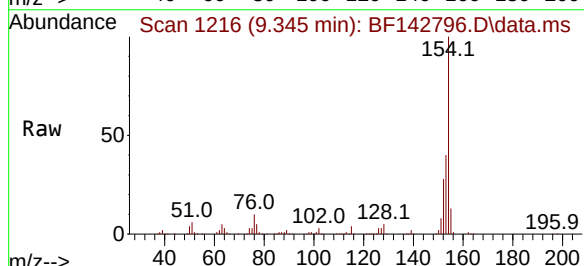
Tgt Ion:154 Resp: 476133

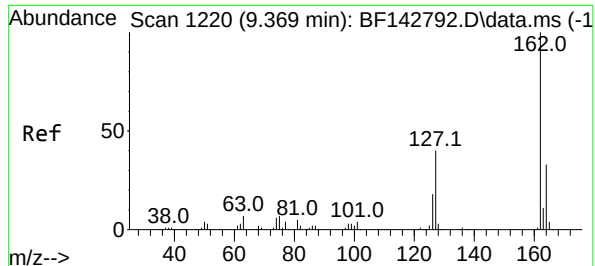
Ion Ratio Lower Upper

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

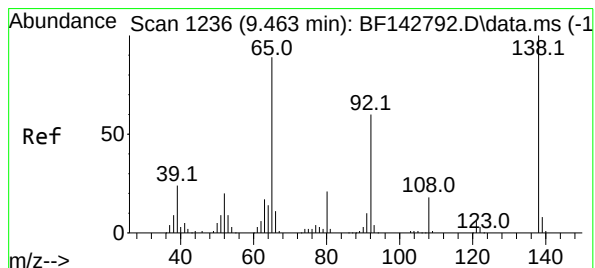
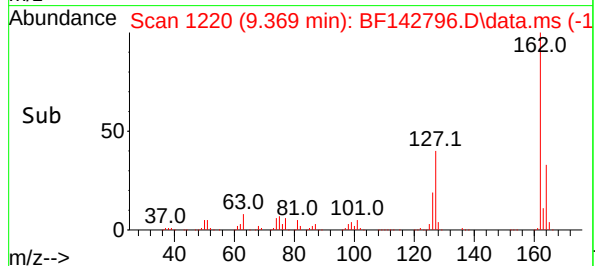
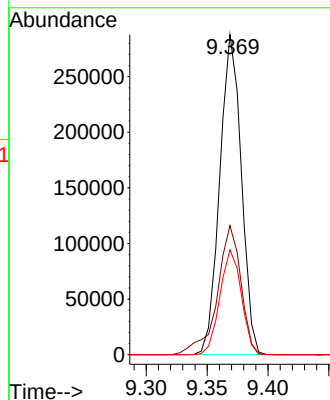
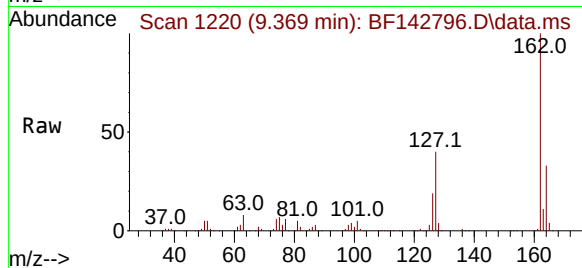
Tgt Ion:162 Resp: 354405

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

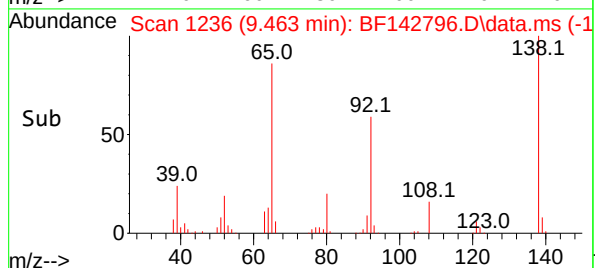
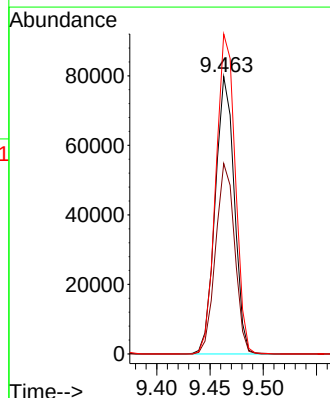
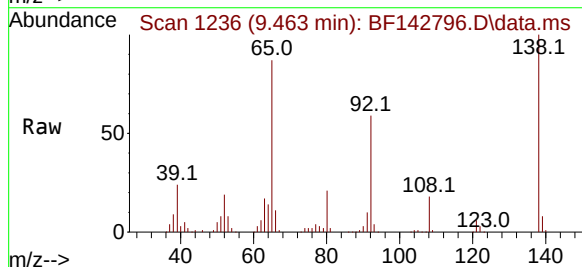
Tgt Ion: 65 Resp: 99137

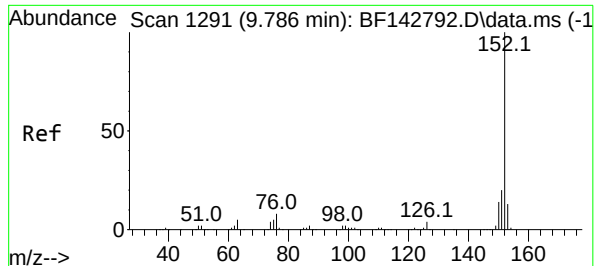
Ion Ratio Lower Upper

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

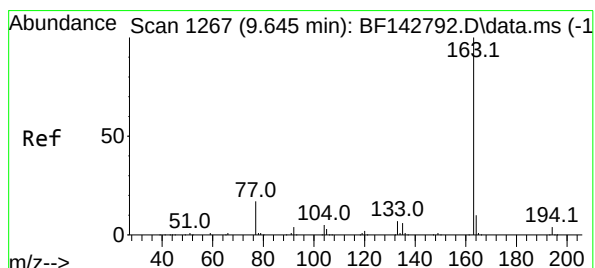
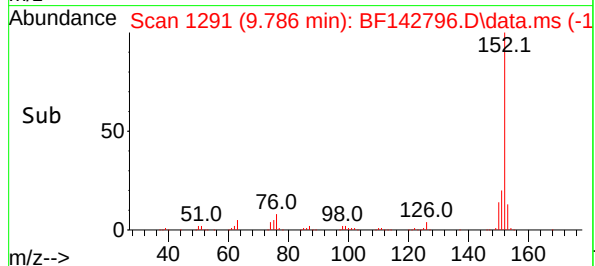
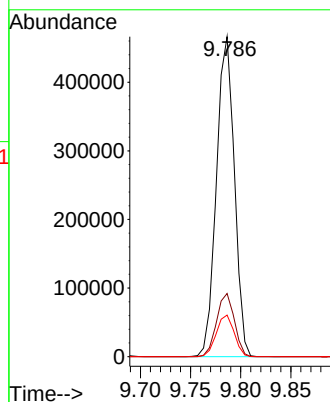
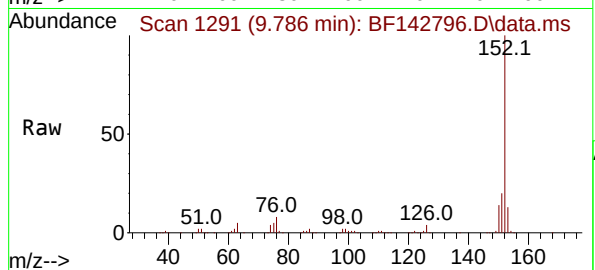
Tgt Ion:152 Resp: 580204

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

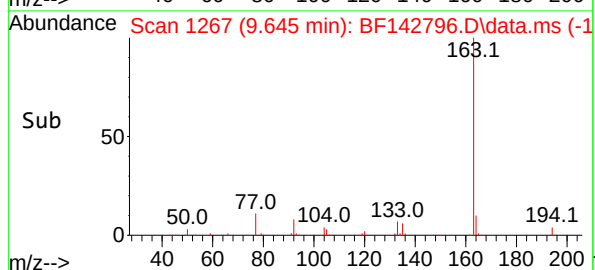
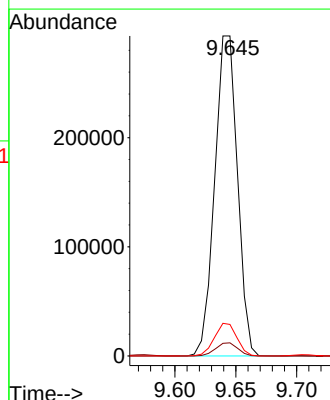
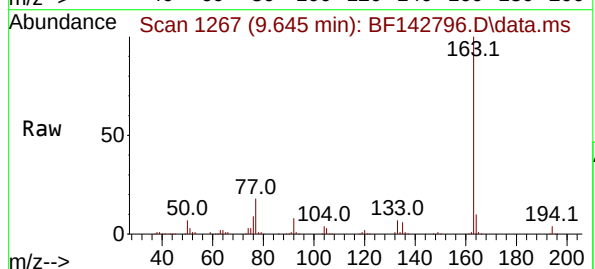
Tgt Ion:163 Resp: 381573

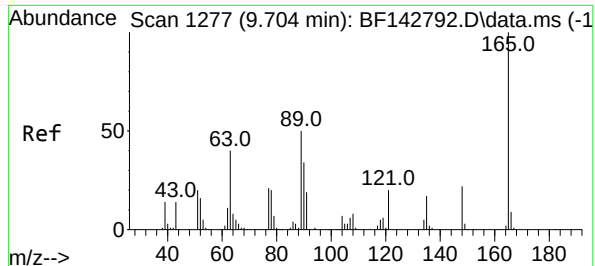
Ion Ratio Lower Upper

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

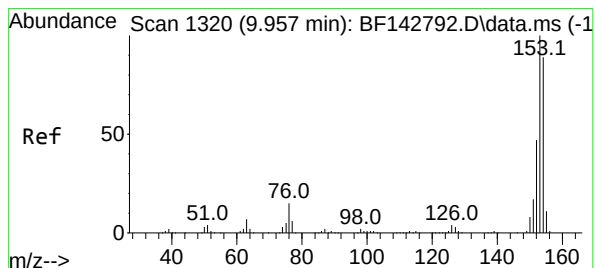
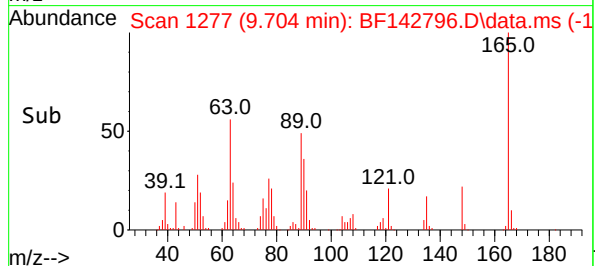
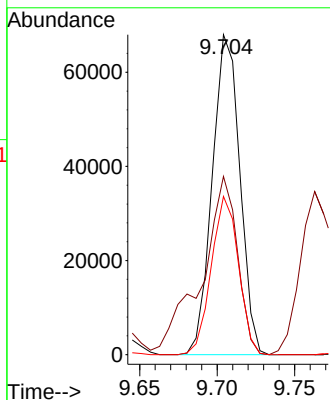
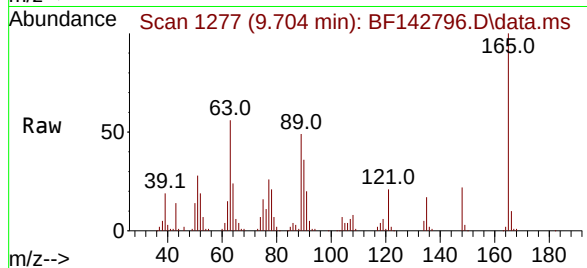
Tgt Ion:165 Resp: 84111

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

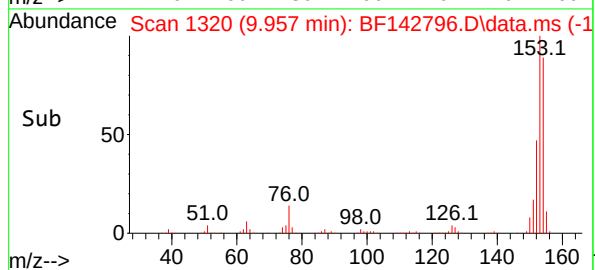
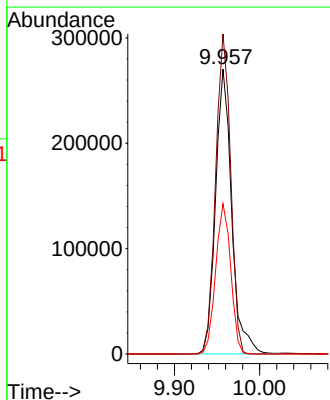
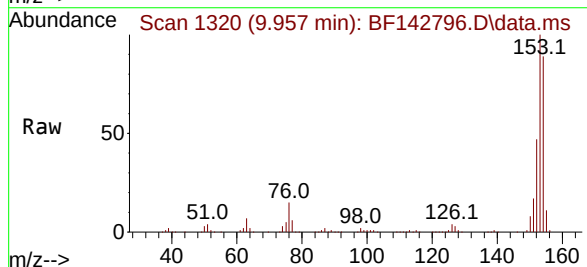
Tgt Ion:154 Resp: 356031

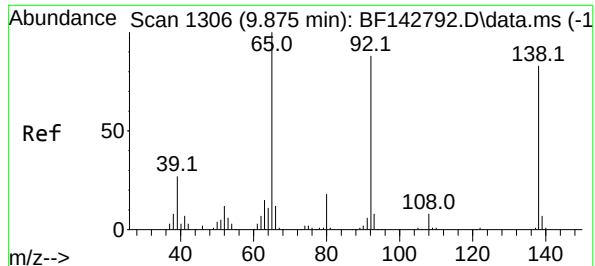
Ion Ratio Lower Upper

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

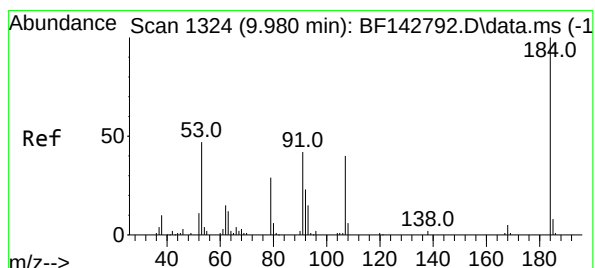
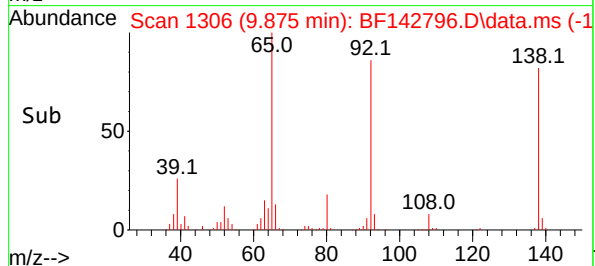
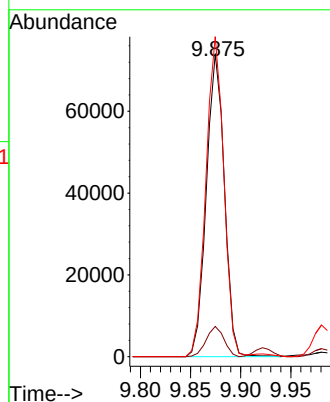
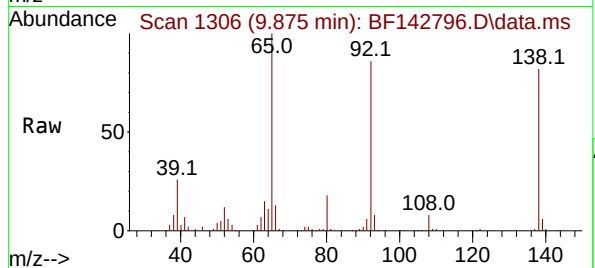
Tgt Ion:138 Resp: 92889

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

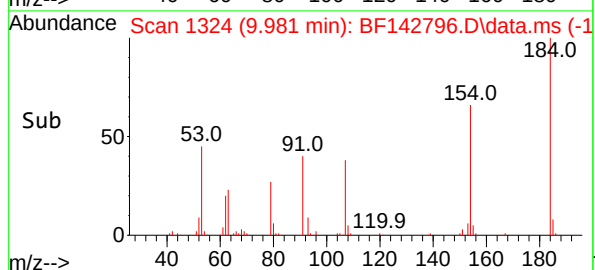
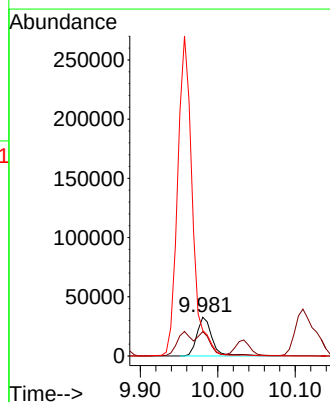
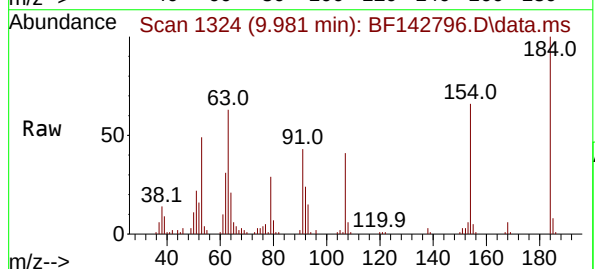
Tgt Ion:184 Resp: 44513

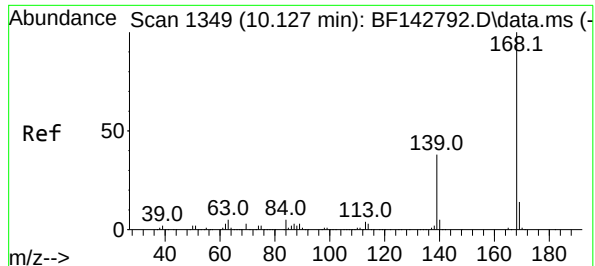
Ion Ratio Lower Upper

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

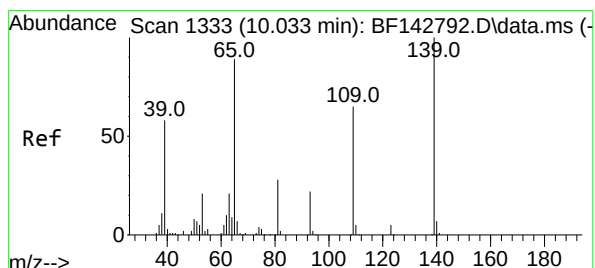
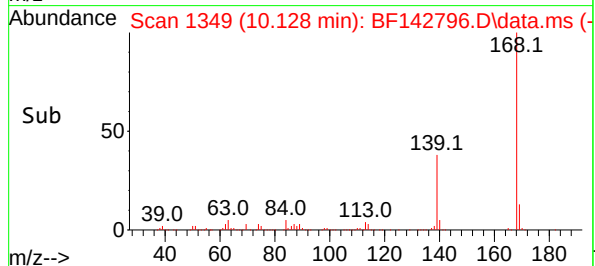
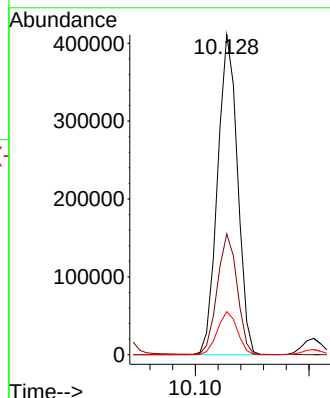
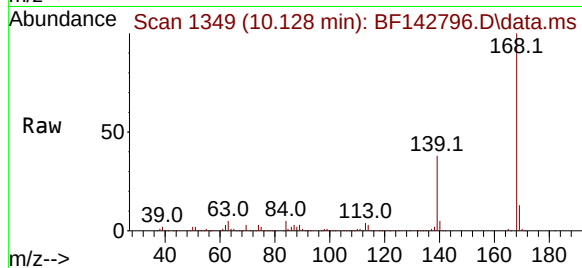
Tgt Ion:168 Resp: 502290

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

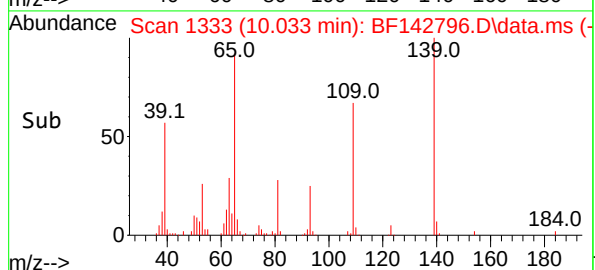
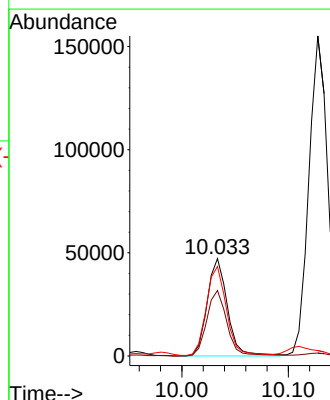
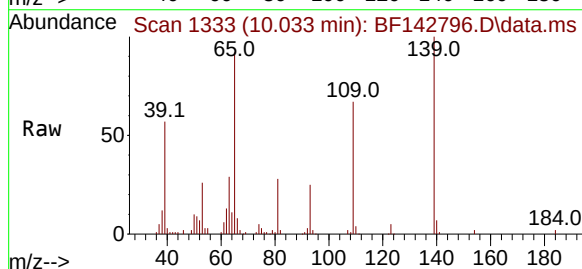
Tgt Ion:139 Resp: 62127

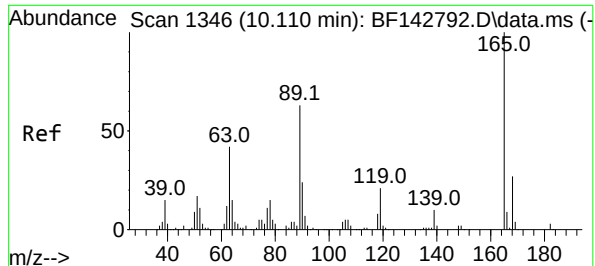
Ion Ratio Lower Upper

139 100

109 67.2 44.7 84.7

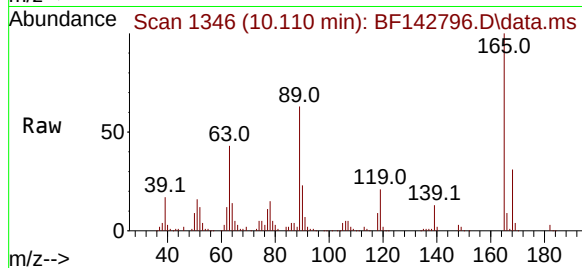
65 91.8 69.8 109.8



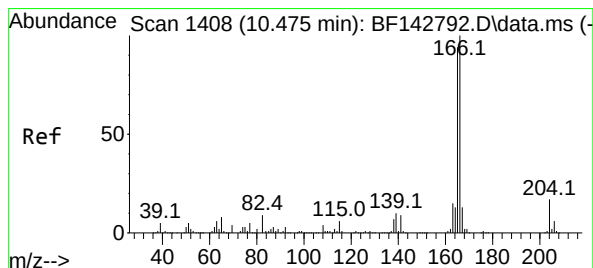
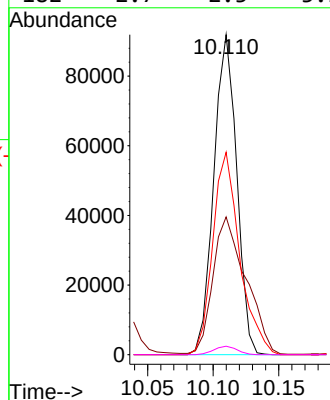
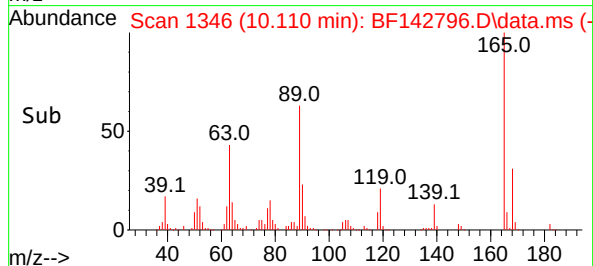


#57
2,4-Dinitrotoluene
Concen: 41.358 ng
RT: 10.110 min Scan# 1346
Delta R.T. 0.000 min
Lab File: BF142796.D
Acq: 19 Jun 2025 21:10

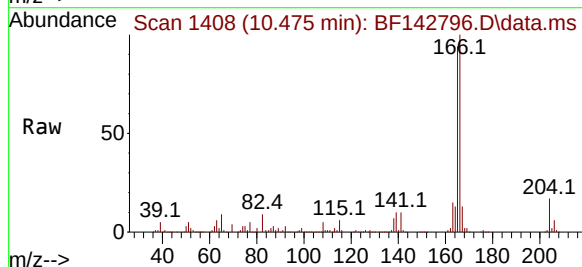
Instrument :
BNA_F
ClientSampleId :
ICVBF061925



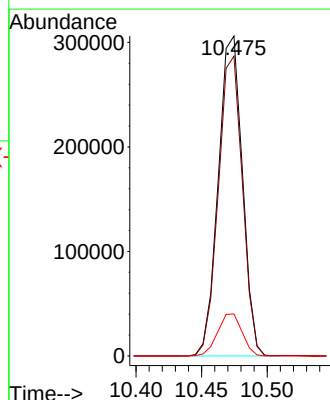
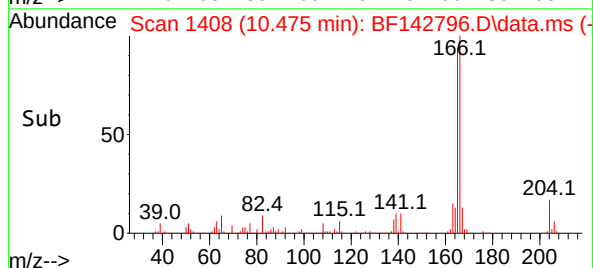
Tgt Ion:165 Resp: 111649
Ion Ratio Lower Upper
165 100
63 43.0 33.9 50.9
89 63.3 50.6 75.8
182 2.7 2.3 3.5

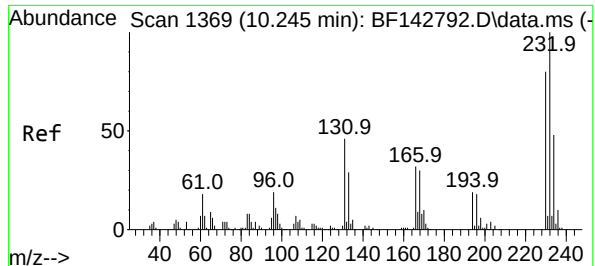


#58
Fluorene
Concen: 41.052 ng
RT: 10.475 min Scan# 1408
Delta R.T. 0.000 min
Lab File: BF142796.D
Acq: 19 Jun 2025 21:10



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

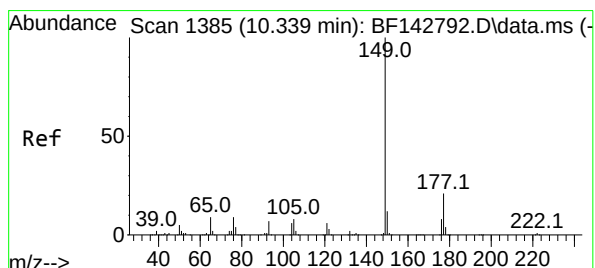
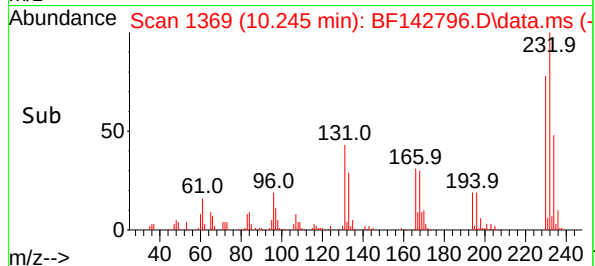
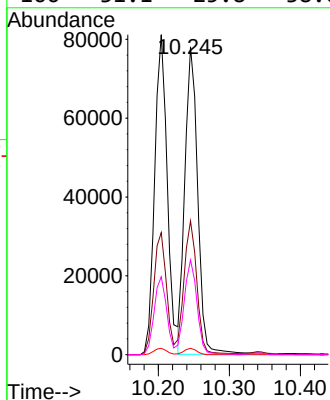
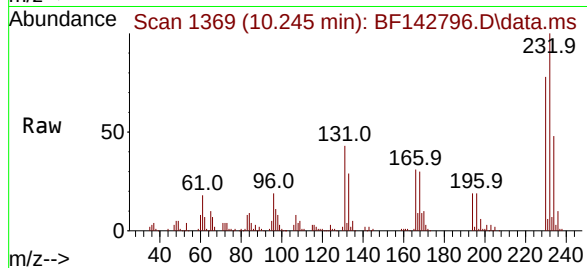




#59
2,3,4,6-Tetrachlorophenol
Concen: 41.857 ng
RT: 10.245 min Scan# 1369
Delta R.T. 0.000 min
Lab File: BF142796.D
Acq: 19 Jun 2025 21:10

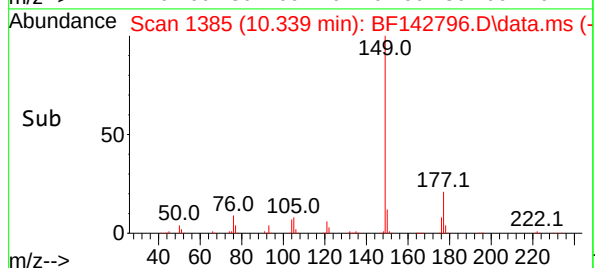
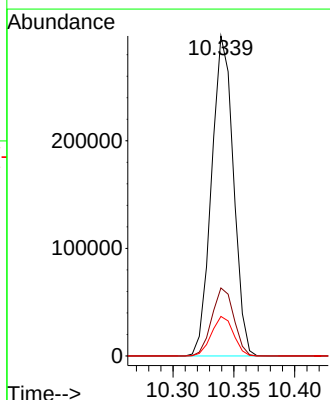
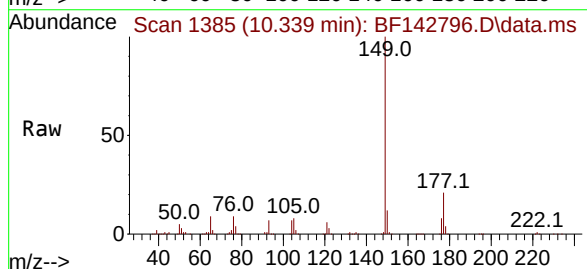
Instrument :
BNA_F
ClientSampleId :
ICVBF061925

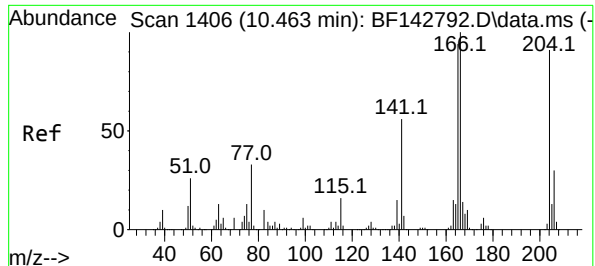
Tgt Ion:232 Resp: 97630
Ion Ratio Lower Upper
232 100
131 44.4 37.6 56.4
130 2.1 1.7 2.5
166 31.1 25.8 38.6



#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

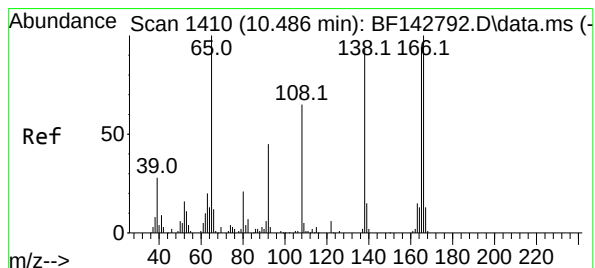
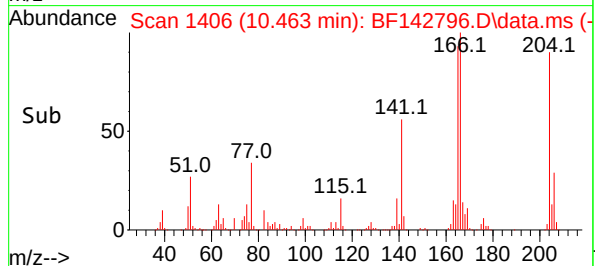
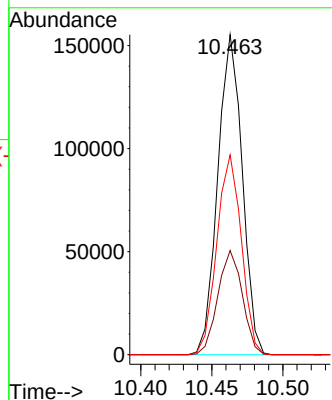
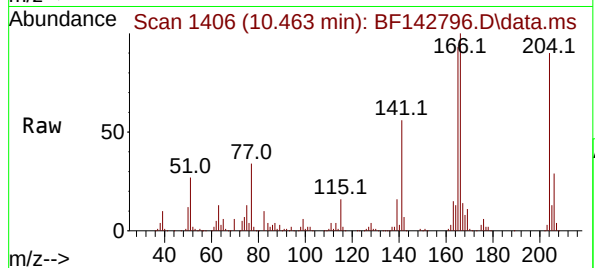




#61
4-Chlorophenyl-phenylether
Concen: 40.862 ng
RT: 10.463 min Scan# 1406
Delta R.T. 0.000 min
Lab File: BF142796.D
Acq: 19 Jun 2025 21:10

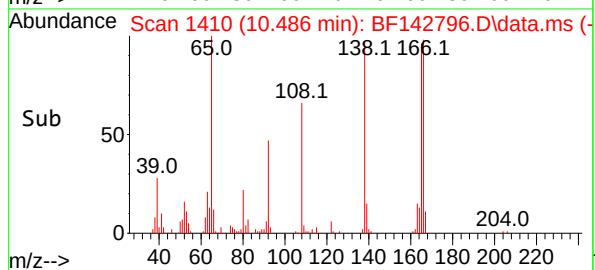
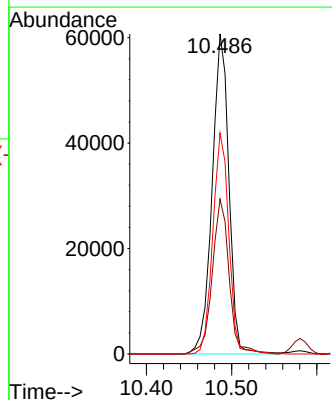
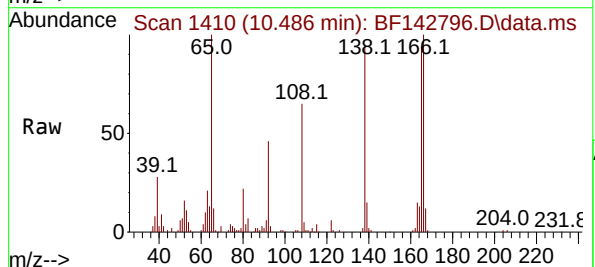
Instrument :
BNA_F
ClientSampleId :
ICVBF061925

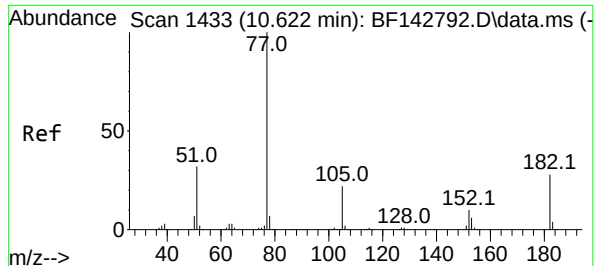
Tgt Ion:204 Resp: 185884
Ion Ratio Lower Upper
204 100
206 32.6 26.3 39.5
141 62.5 49.1 73.7



#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

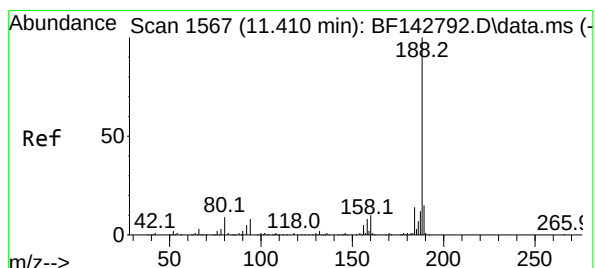
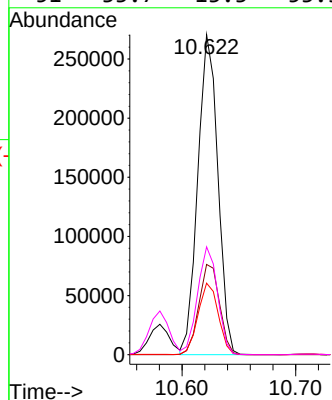
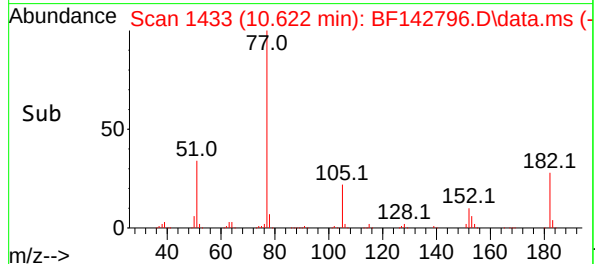
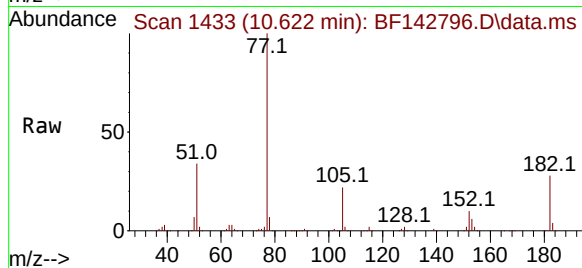




#63
Azobenzene
Concen: 41.025 ng
RT: 10.622 min Scan# 1433
Delta R.T. 0.000 min
Lab File: BF142796.D
Acq: 19 Jun 2025 21:10

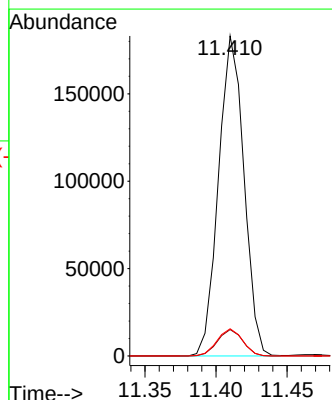
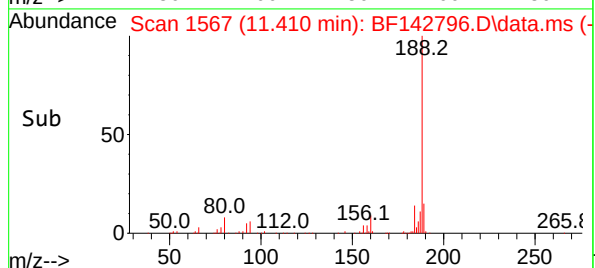
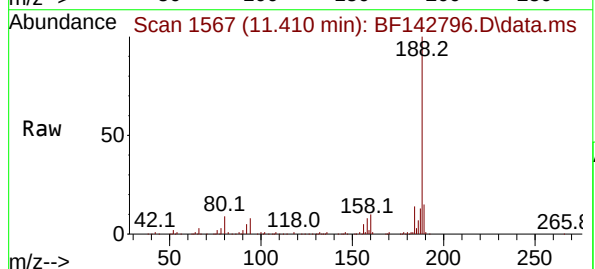
Instrument :
BNA_F
ClientSampleId :
ICVBF061925

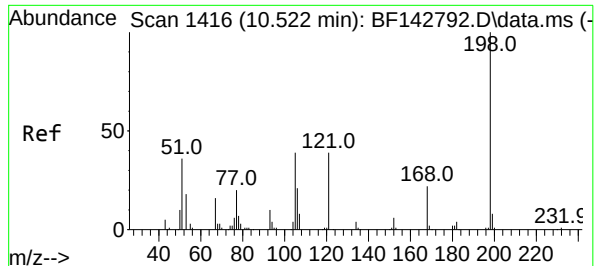
Tgt Ion:	77	Resp:	332701
Ion	Ratio	Lower	Upper
77	100		
182	28.2	7.7	47.7
105	22.4	1.9	41.9
51	33.7	13.3	53.3



#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

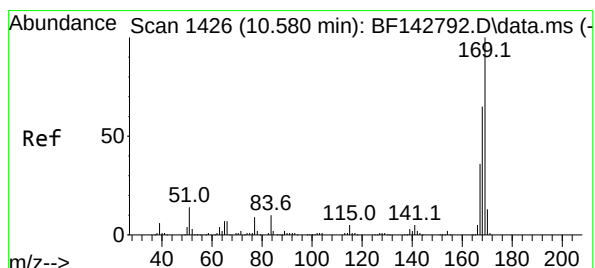
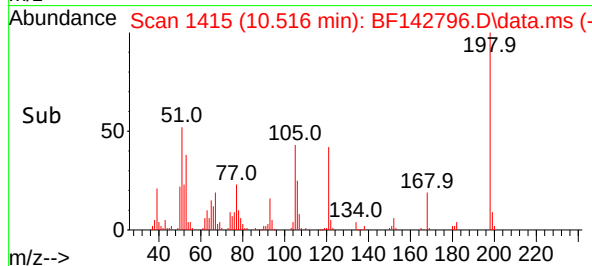
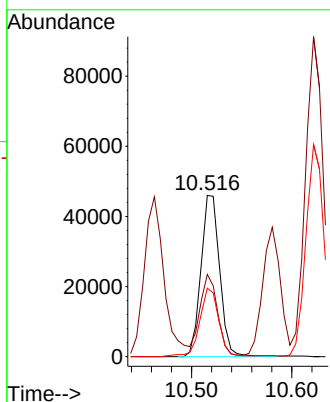
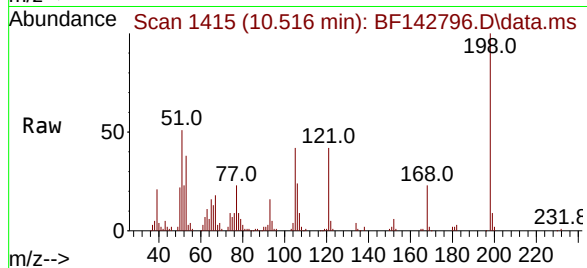




#65
4,6-Dinitro-2-methylphenol
Concen: 43.341 ng
RT: 10.516 min Scan# 1416
Delta R.T. -0.006 min
Lab File: BF142796.D
Acq: 19 Jun 2025 21:10

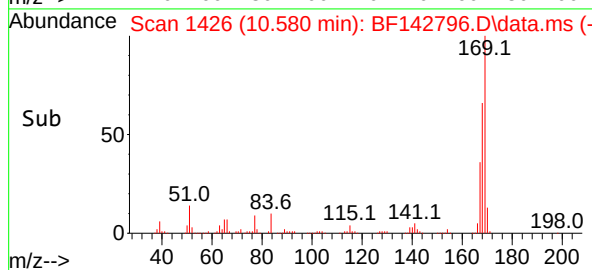
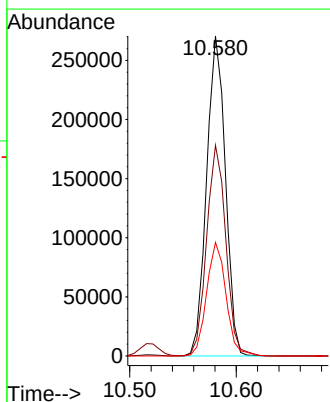
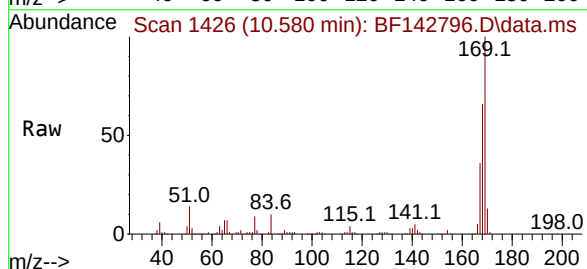
Instrument :
BNA_F
ClientSampleId :
ICVBF061925

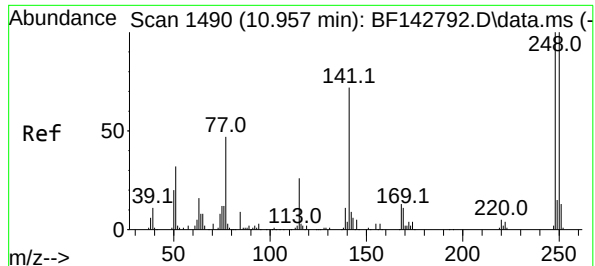
Tgt Ion:198 Resp: 59797
Ion Ratio Lower Upper
198 100
51 51.0 25.4 65.4
105 42.5 20.4 60.4



#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

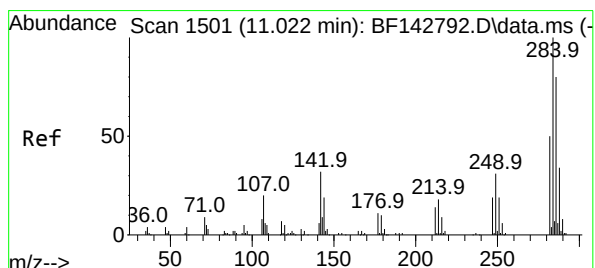
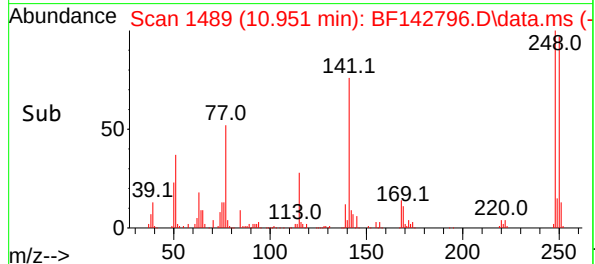
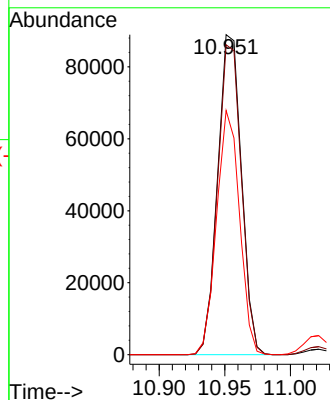
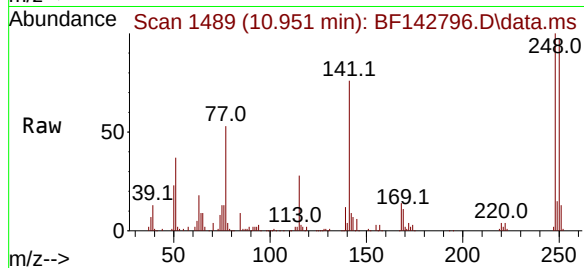




#67
4-Bromophenyl-phenylether
Concen: 43.376 ng
RT: 10.951 min Scan# 1490
Delta R.T. -0.006 min
Lab File: BF142796.D
Acq: 19 Jun 2025 21:10

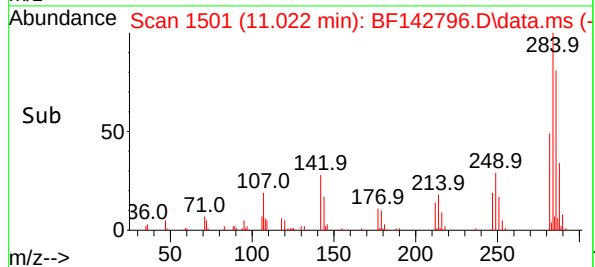
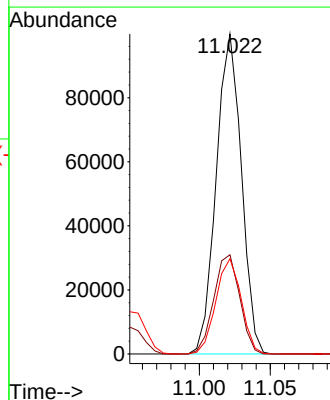
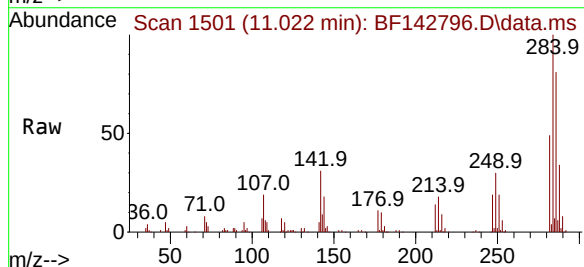
Instrument :
BNA_F
ClientSampleId :
ICVBF061925

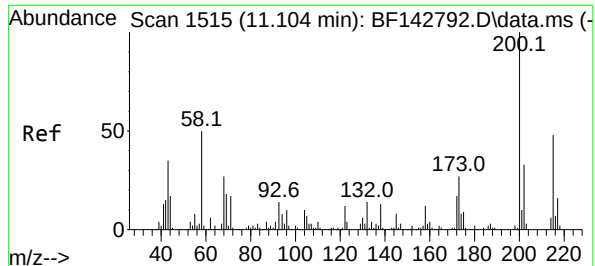
Tgt Ion:248 Resp: 112604
Ion Ratio Lower Upper
248 100
250 96.8 79.8 119.8
141 76.3 57.8 86.6



#68
Hexachlorobenzene
Concen: 42.632 ng
RT: 11.022 min Scan# 1501
Delta R.T. 0.000 min
Lab File: BF142796.D
Acq: 19 Jun 2025 21:10

Tgt Ion:284 Resp: 122976
Ion Ratio Lower Upper
284 100
142 31.0 25.5 38.3
249 29.8 24.9 37.3





#69

Atrazine

Concen: 42.840 ng

RT: 11.104 min Scan# 1515

Delta R.T. 0.000 min

Lab File: BF142796.D

Acq: 19 Jun 2025 21:10

Instrument :

BNA_F

ClientSampleId :

ICVBF061925

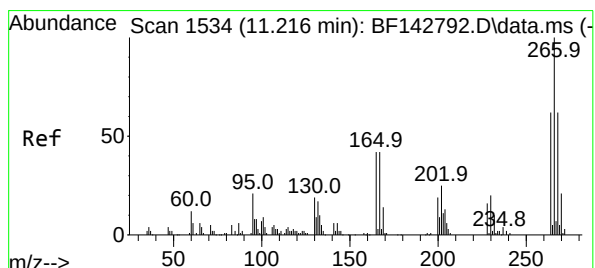
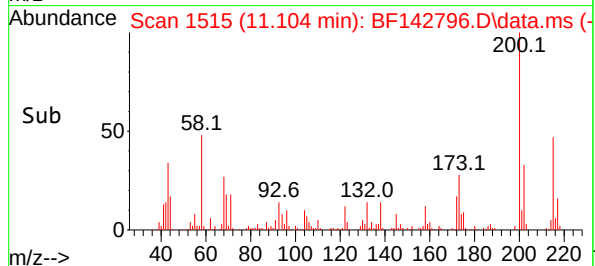
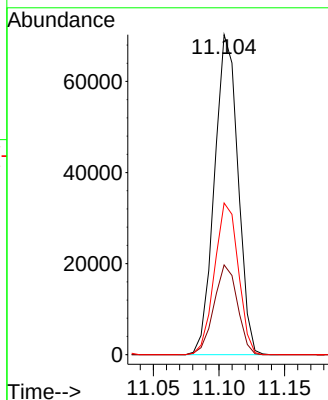
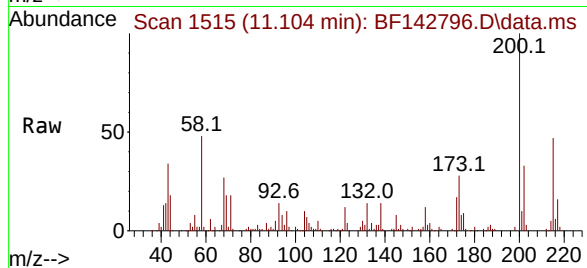
Tgt Ion:200 Resp: 87455

Ion Ratio Lower Upper

200 100

173 28.0 7.4 47.4

215 47.4 28.4 68.4



#70

Pentachlorophenol

Concen: 43.337 ng

RT: 11.216 min Scan# 1534

Delta R.T. 0.000 min

Lab File: BF142796.D

Acq: 19 Jun 2025 21:10

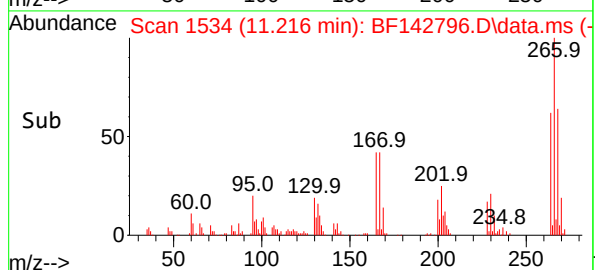
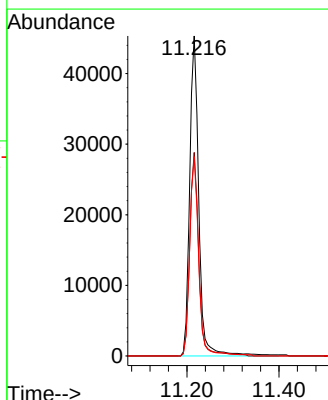
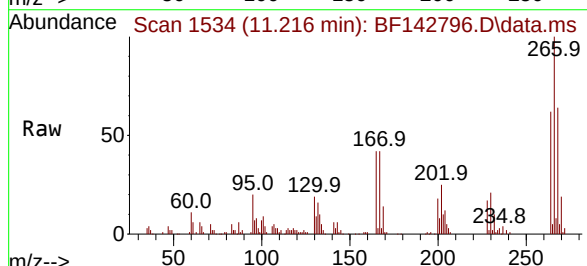
Tgt Ion:266 Resp: 62292

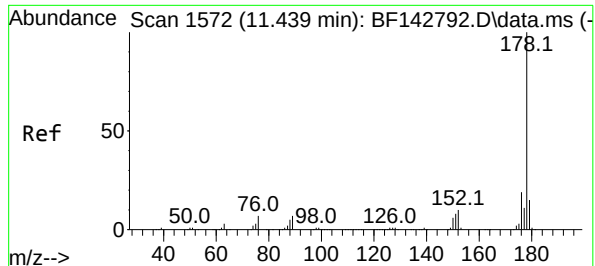
Ion Ratio Lower Upper

266 100

268 63.6 49.8 74.8

264 62.3 49.9 74.9





#71

Phenanthrene

Concen: 41.603 ng

RT: 11.433 min Scan# 1571

Delta R.T. -0.006 min

Lab File: BF142796.D

Acq: 19 Jun 2025 21:10

Instrument :

BNA_F

ClientSampleId :

ICVBF061925

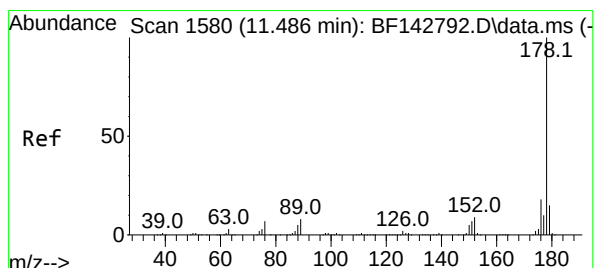
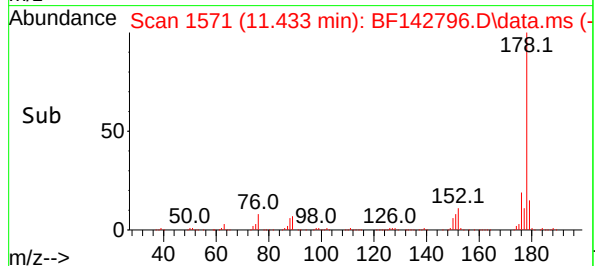
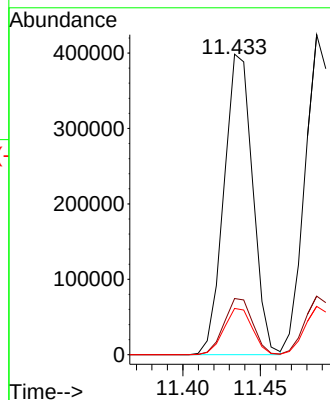
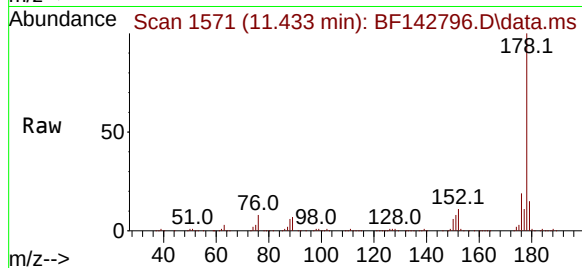
Tgt Ion:178 Resp: 514049

Ion Ratio Lower Upper

178 100

176 18.7 15.1 22.7

179 15.4 12.0 18.0



#72

Anthracene

Concen: 42.013 ng

RT: 11.486 min Scan# 1580

Delta R.T. 0.000 min

Lab File: BF142796.D

Acq: 19 Jun 2025 21:10

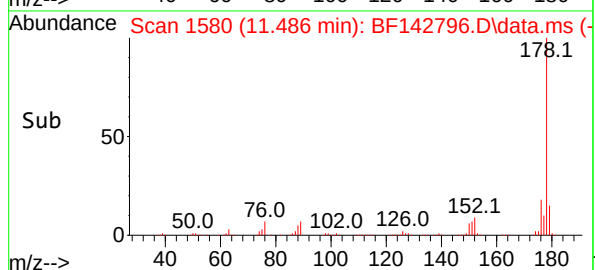
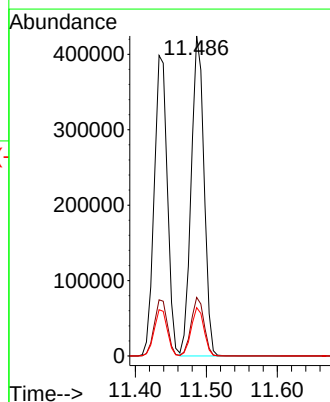
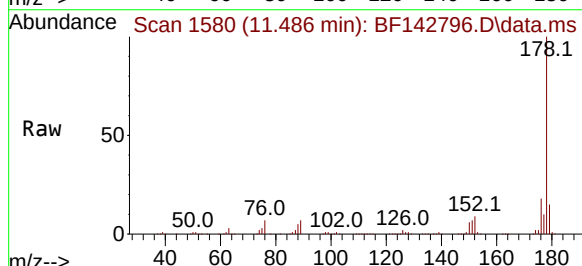
Tgt Ion:178 Resp: 532397

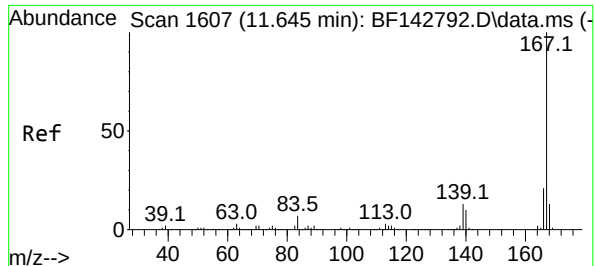
Ion Ratio Lower Upper

178 100

176 18.3 14.6 21.8

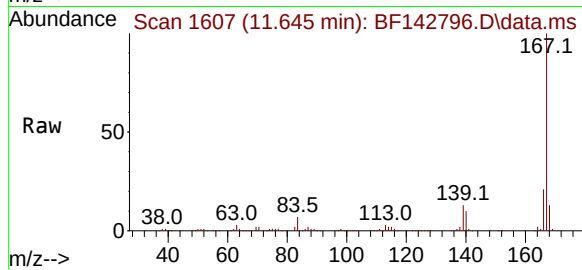
179 15.1 12.4 18.6



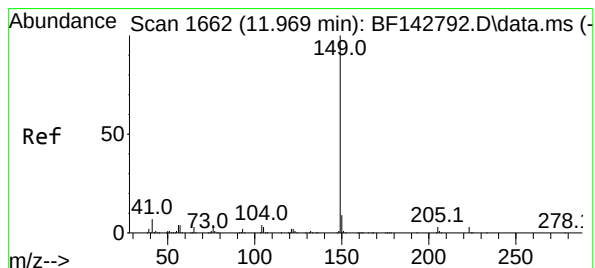
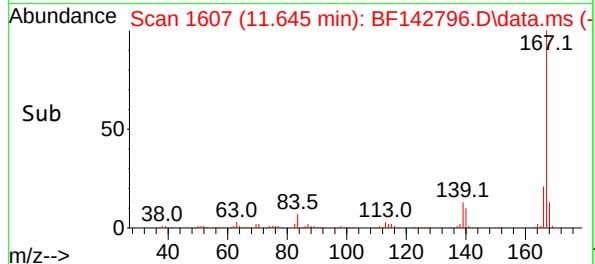
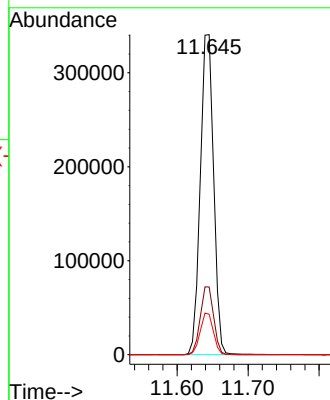


#73
Carbazole
Concen: 40.858 ng
RT: 11.645 min Scan# 1607
Delta R.T. 0.000 min
Lab File: BF142796.D
Acq: 19 Jun 2025 21:10

Instrument :
BNA_F
ClientSampleId :
ICVBF061925

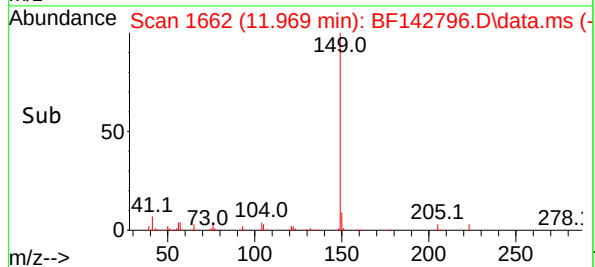
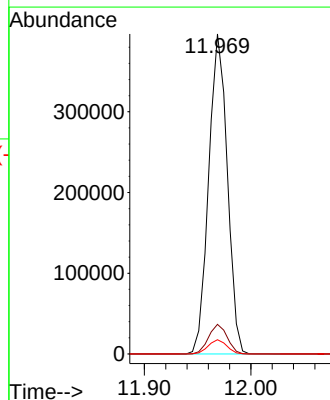
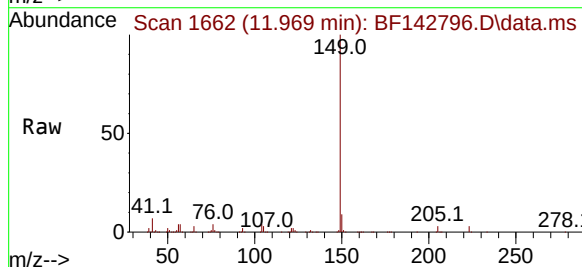


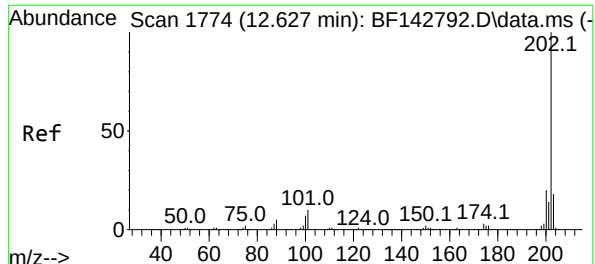
Tgt Ion:167 Resp: 446814
Ion Ratio Lower Upper
167 100
166 21.2 17.0 25.4
139 12.7 10.2 15.2



#74
Di-n-butylphthalate
Concen: 42.228 ng
RT: 11.969 min Scan# 1662
Delta R.T. 0.000 min
Lab File: BF142796.D
Acq: 19 Jun 2025 21:10

Tgt Ion:149 Resp: 481078
Ion Ratio Lower Upper
149 100
150 9.3 7.4 11.0
104 4.5 3.5 5.3

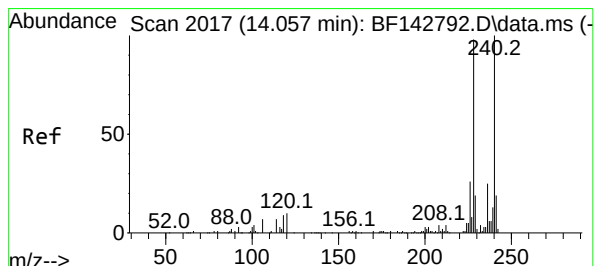
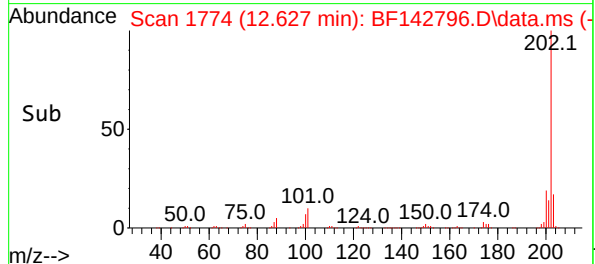
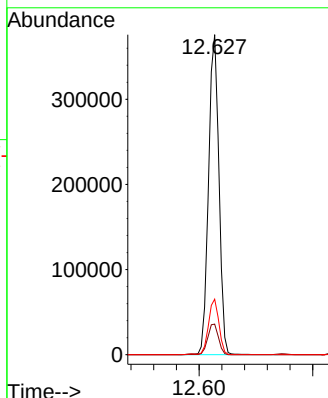
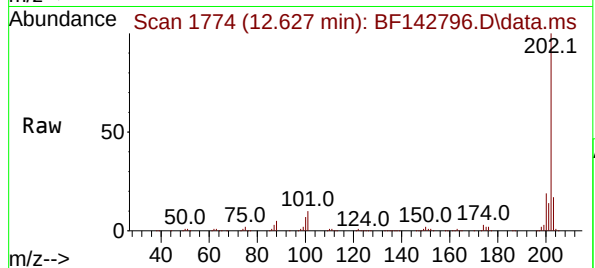




#75
Fluoranthene
Concen: 40.372 ng
RT: 12.627 min Scan# 1774
Delta R.T. 0.000 min
Lab File: BF142796.D
Acq: 19 Jun 2025 21:10

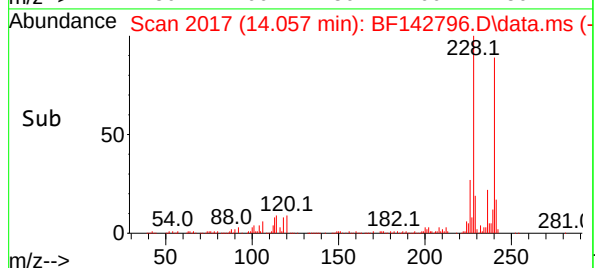
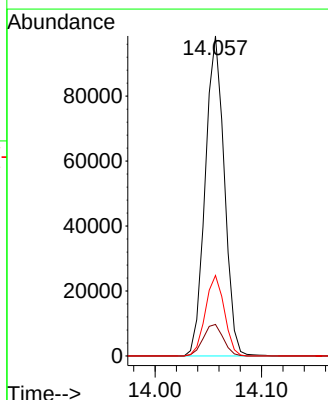
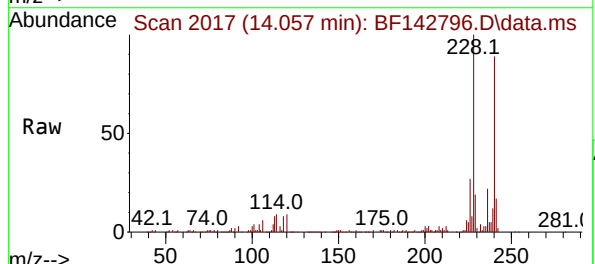
Instrument :
BNA_F
ClientSampleId :
ICVBF061925

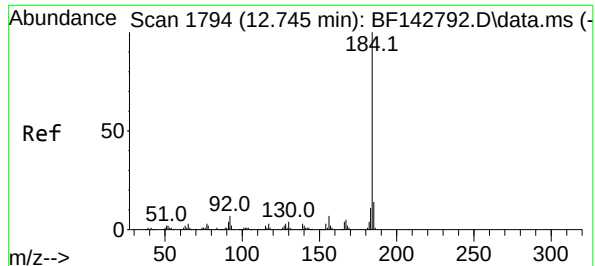
Tgt Ion	Ratio	Lower	Upper
202	100		
101	9.6	0.0	29.7
203	17.3	0.0	37.5



#76
Chrysene-d12
Concen: 20.000 ng
RT: 14.057 min Scan# 2017
Delta R.T. 0.000 min
Lab File: BF142796.D
Acq: 19 Jun 2025 21:10

Tgt Ion	Ratio	Lower	Upper
240	100		
120	9.8	8.2	12.2
236	25.2	19.8	29.8

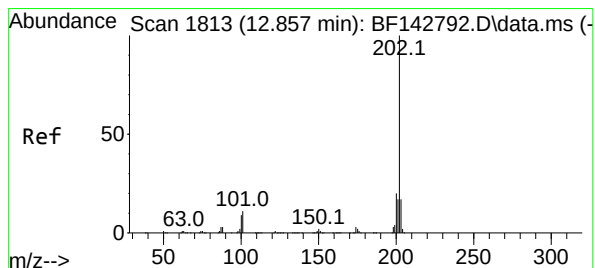
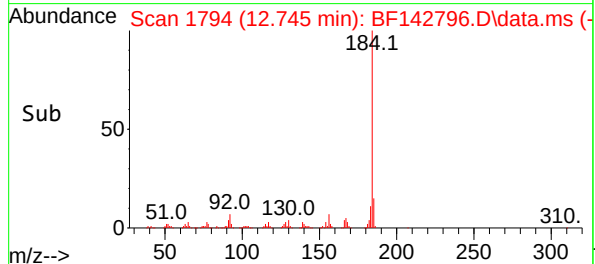
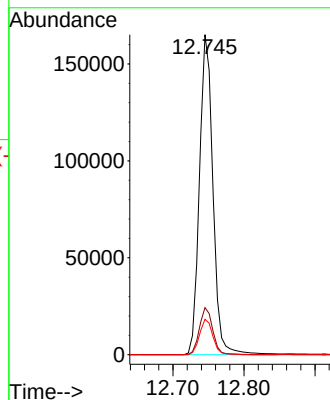
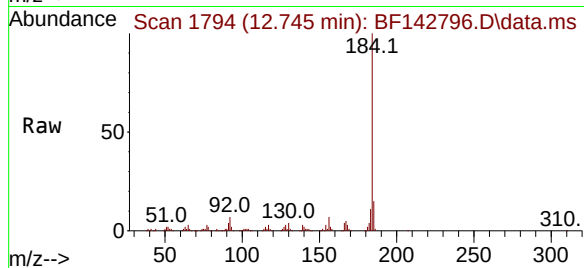




#77
Benzidine
Concen: 47.530 ng
RT: 12.745 min Scan# 1794
Delta R.T. 0.000 min
Lab File: BF142796.D
Acq: 19 Jun 2025 21:10

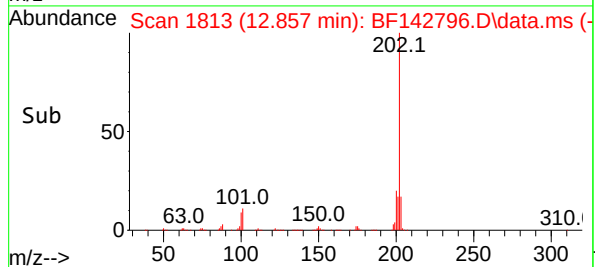
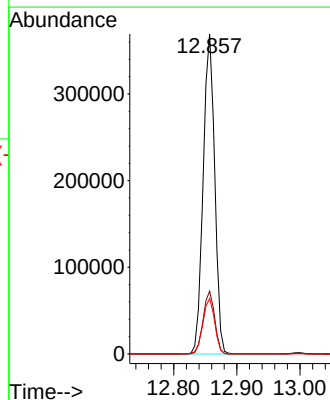
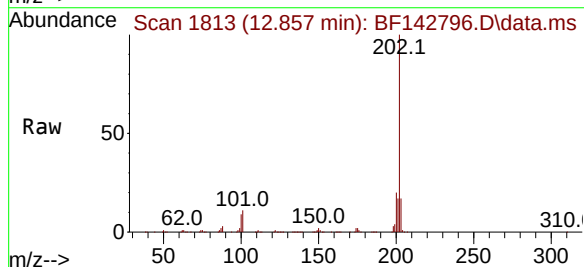
Instrument :
BNA_F
ClientSampleId :
ICVBF061925

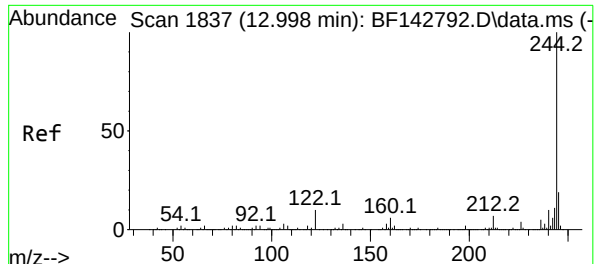
Tgt Ion:184 Resp: 218884
Ion Ratio Lower Upper
184 100
185 14.7 11.5 17.3
183 11.0 9.0 13.4



#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

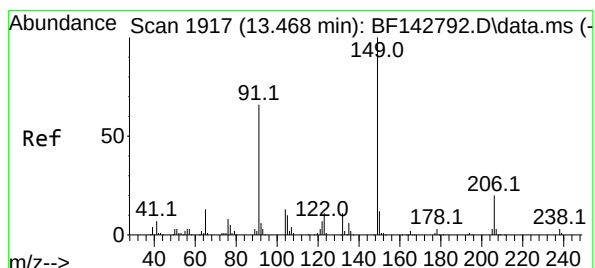
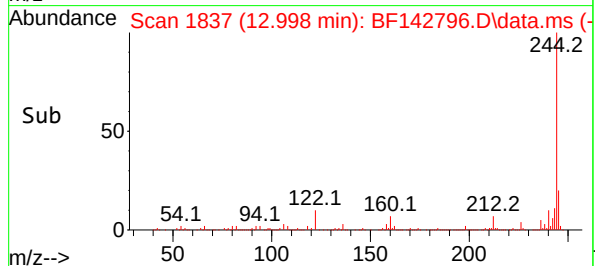
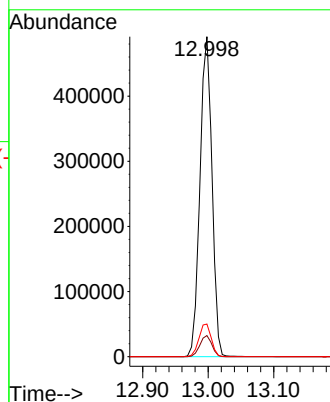
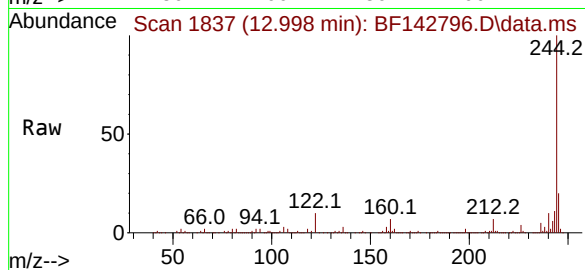
Tgt Ion:244 Resp: 628420

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

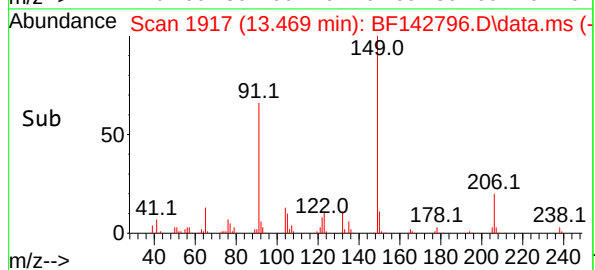
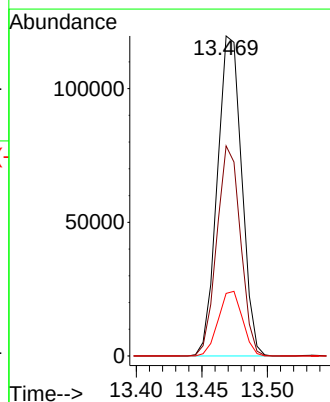
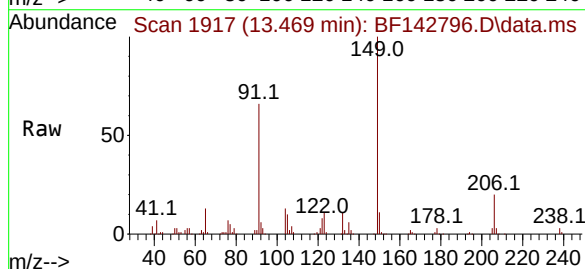
Tgt Ion:149 Resp: 154743

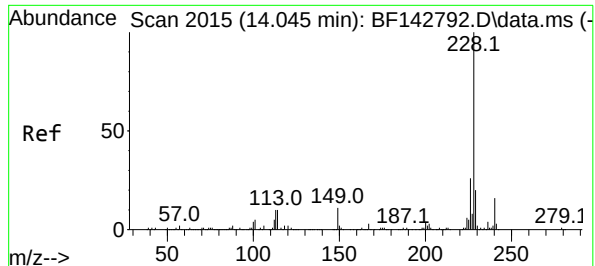
Ion Ratio Lower Upper

149 100

91 65.7 52.9 79.3

206 19.6 16.3 24.5

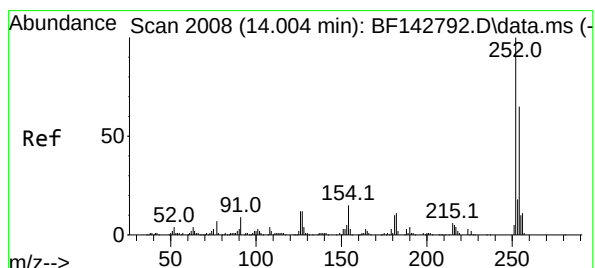
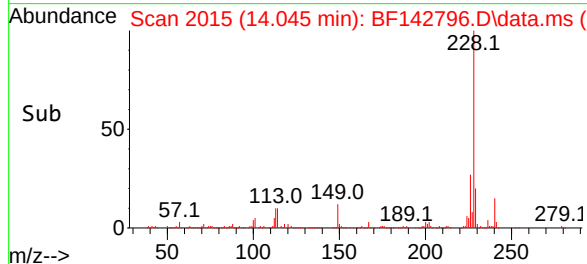
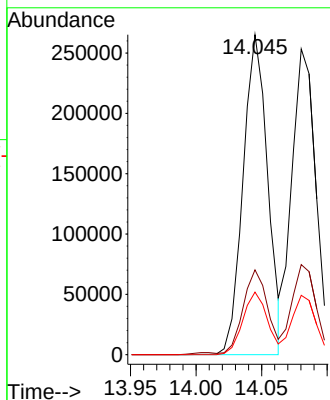
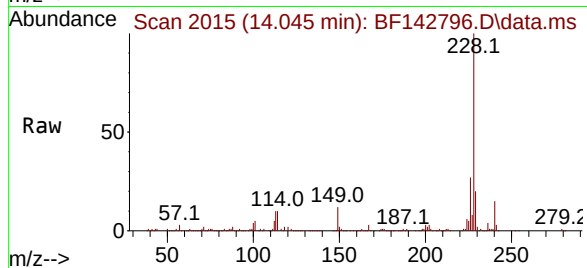




#81
Benzo(a)anthracene
Concen: 41.868 ng
RT: 14.045 min Scan# 2015
Delta R.T. 0.000 min
Lab File: BF142796.D
Acq: 19 Jun 2025 21:10

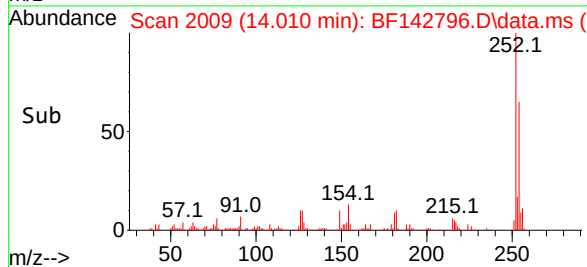
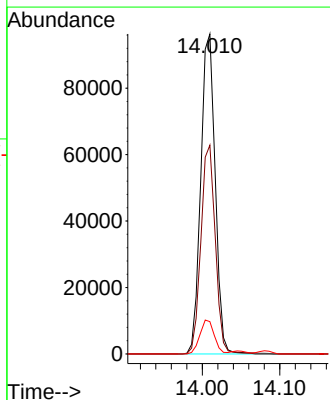
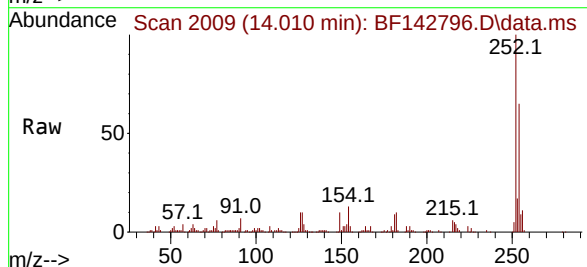
Instrument :
BNA_F
ClientSampleId :
ICVBF061925

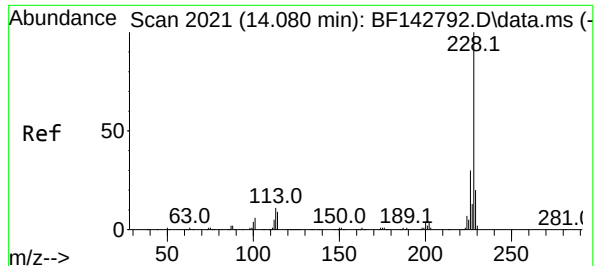
Tgt Ion:228 Resp: 346202
Ion Ratio Lower Upper
228 100
226 26.5 21.2 31.8
229 19.6 15.6 23.4



#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

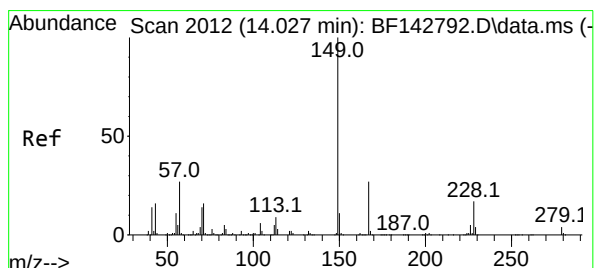
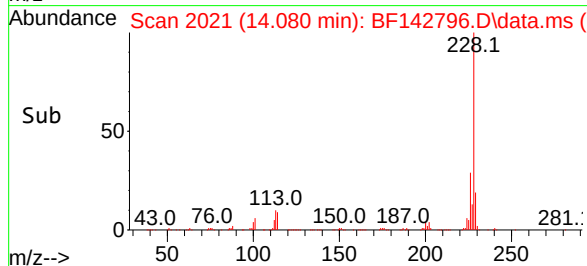
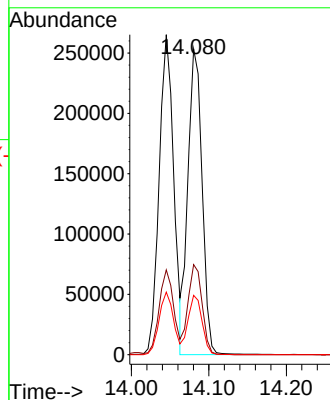
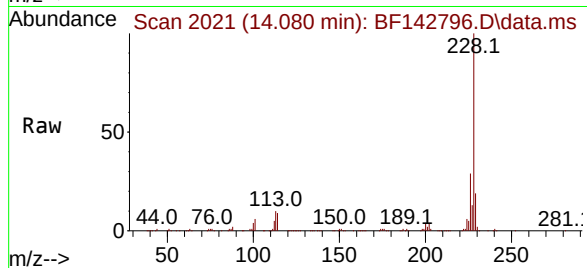
Tgt Ion:228 Resp: 321976

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

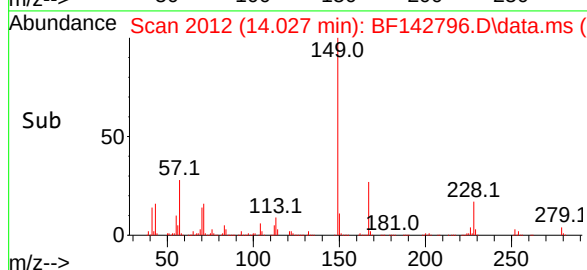
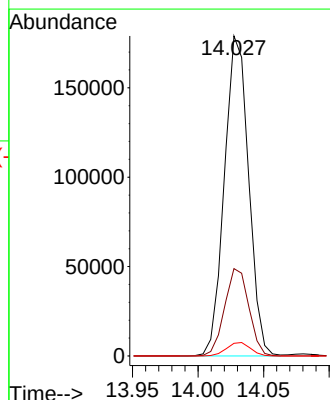
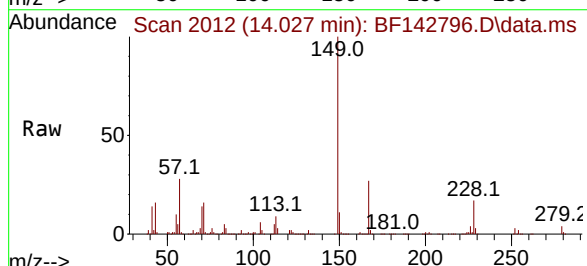
Tgt Ion:149 Resp: 230046

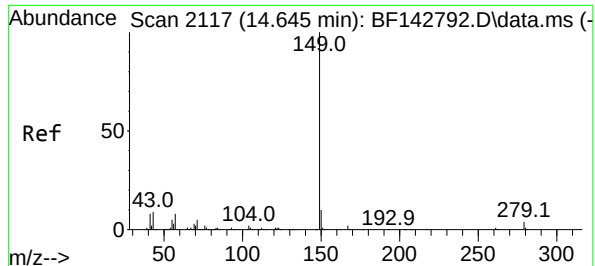
Ion Ratio Lower Upper

149 100

167 27.3 21.4 32.0

279 4.0 3.0 4.6

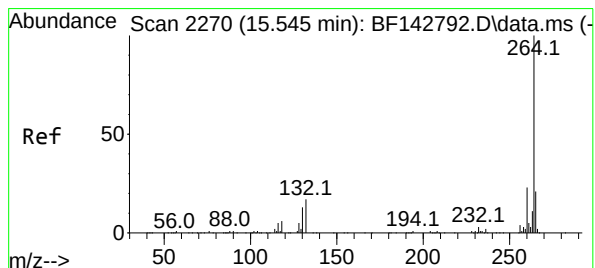
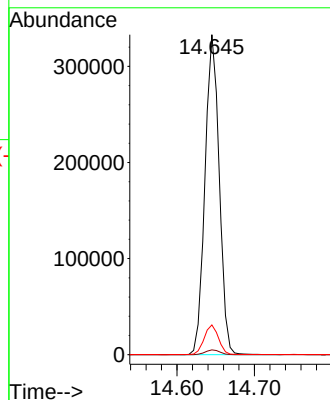
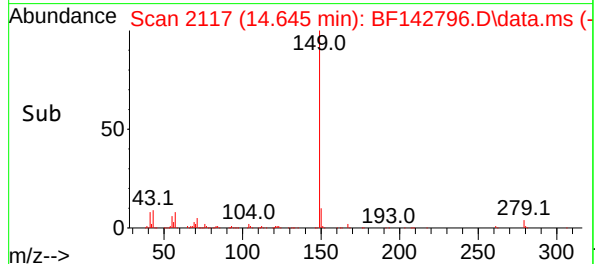
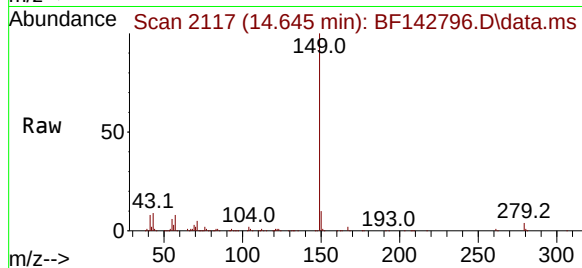




#85
Di-n-octyl phthalate
Concen: 47.026 ng
RT: 14.645 min Scan# 2117
Delta R.T. 0.000 min
Lab File: BF142796.D
Acq: 19 Jun 2025 21:10

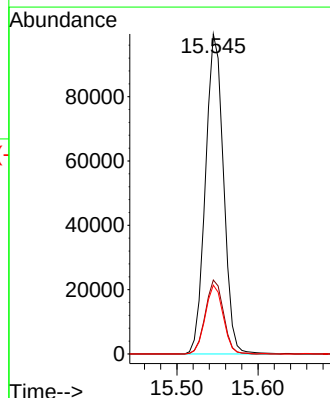
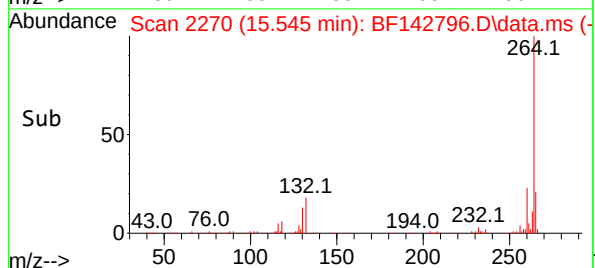
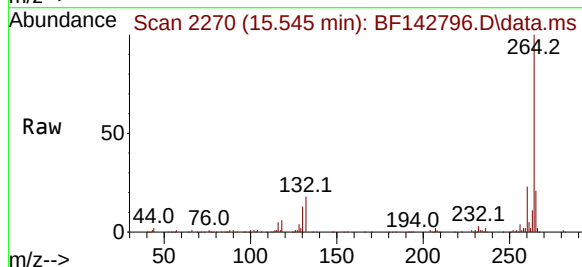
Instrument :
BNA_F
ClientSampleId :
ICVBF061925

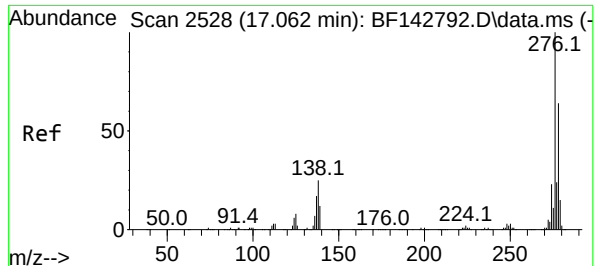
Tgt Ion:149 Resp: 425193
Ion Ratio Lower Upper
149 100
167 1.5 1.3 1.9
43 9.2 7.6 11.4



#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

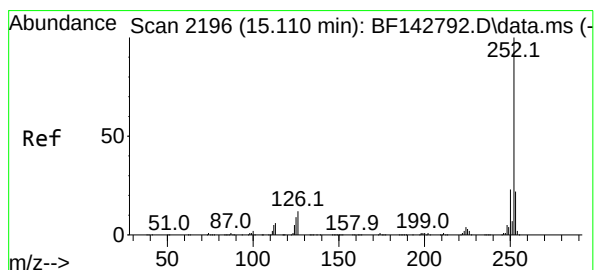
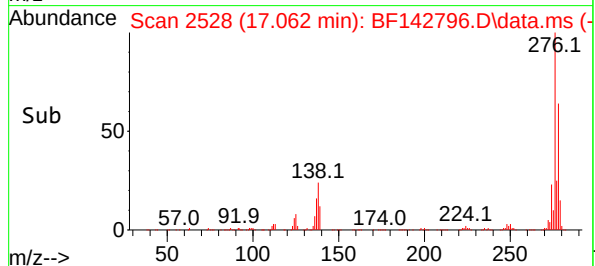
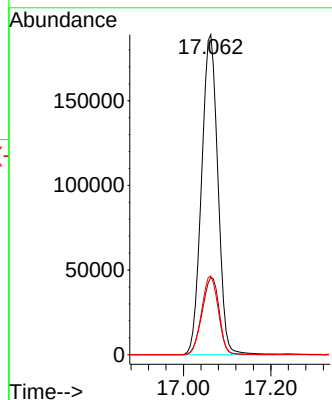
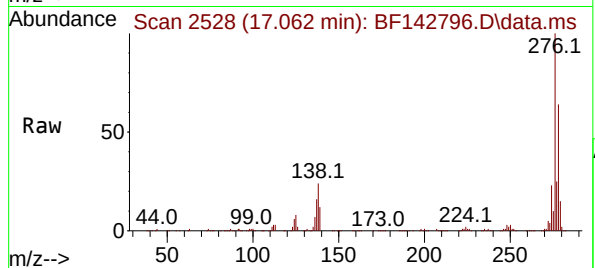




#87
Indeno(1,2,3-cd)pyrene
Concen: 42.060 ng
RT: 17.062 min Scan# 2528
Delta R.T. 0.000 min
Lab File: BF142796.D
Acq: 19 Jun 2025 21:10

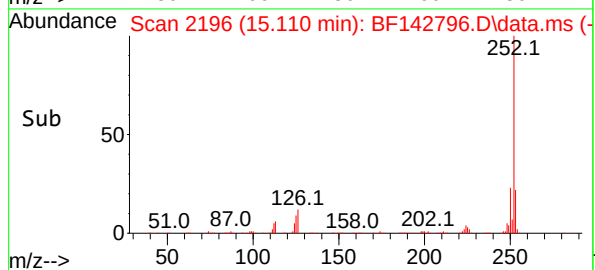
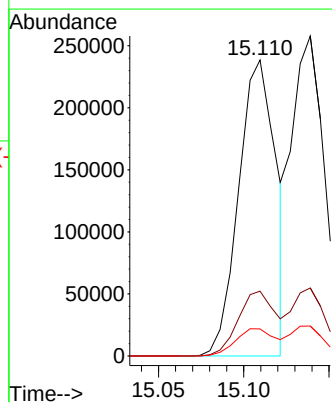
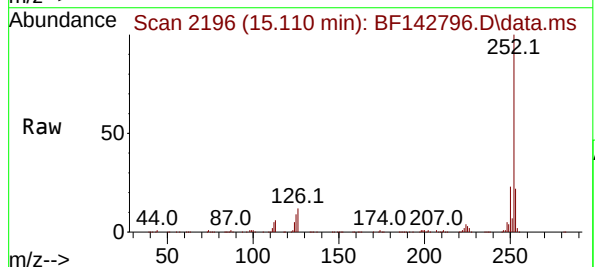
Instrument :
BNA_F
ClientSampleId :
ICVBF061925

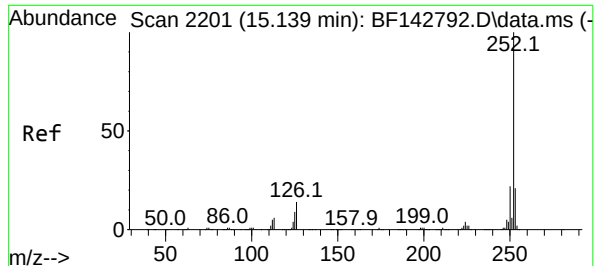
Tgt Ion:276 Resp: 491326
Ion Ratio Lower Upper
276 100
138 25.3 20.2 30.4
277 25.1 19.8 29.6



#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

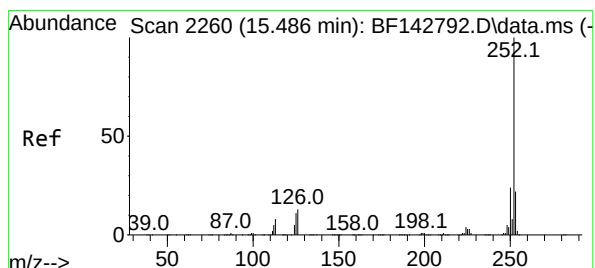
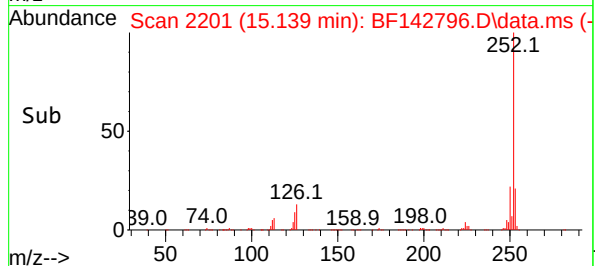
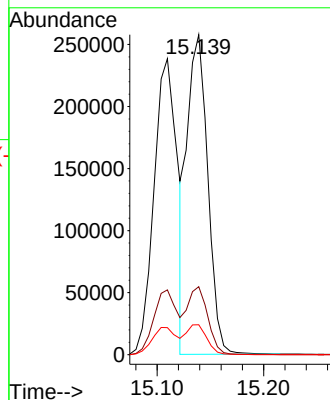
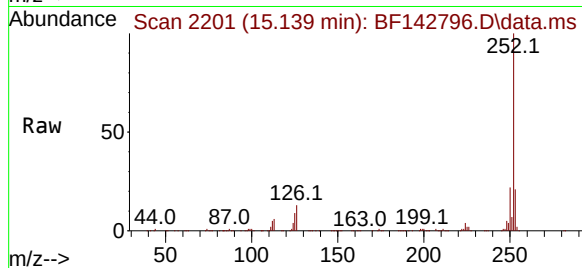
Tgt Ion:252 Resp: 347044

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

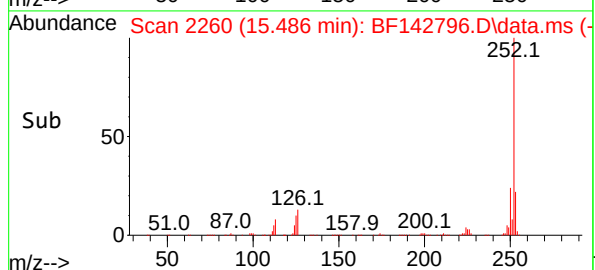
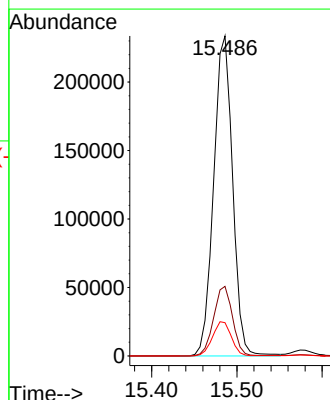
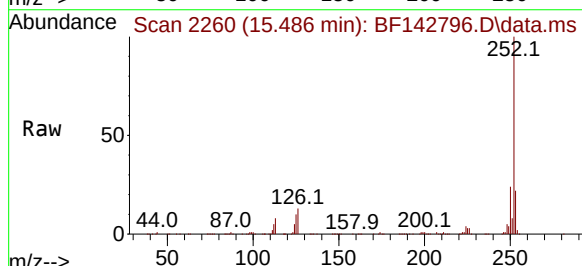
Tgt Ion:252 Resp: 361077

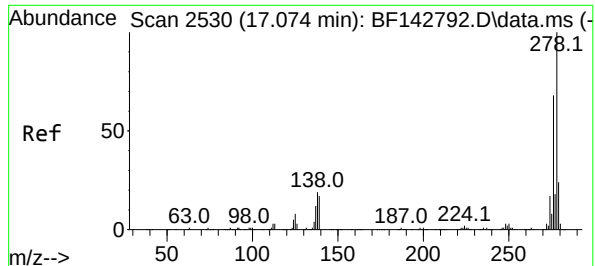
Ion Ratio Lower Upper

252 100

253 21.8 17.5 26.3

125 10.4 8.6 12.8

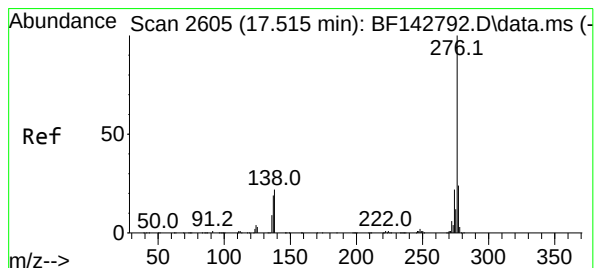
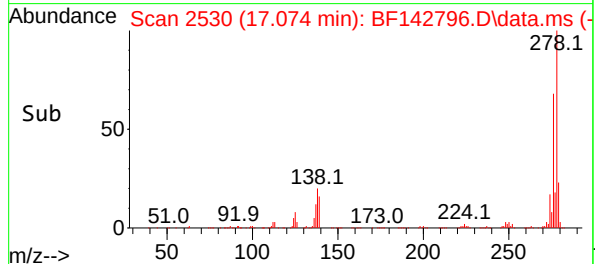
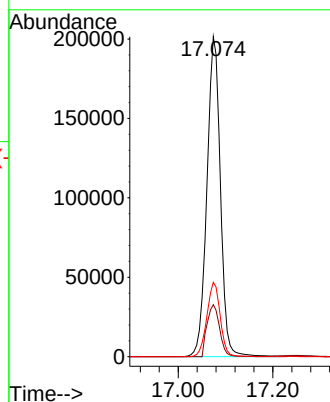
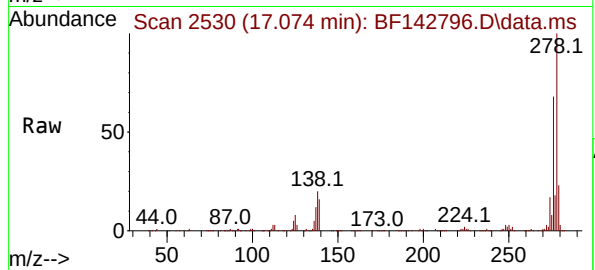




#91
Dibenzo(a,h)anthracene
Concen: 42.069 ng
RT: 17.074 min Scan# 21
Delta R.T. 0.000 min
Lab File: BF142796.D
Acq: 19 Jun 2025 21:10

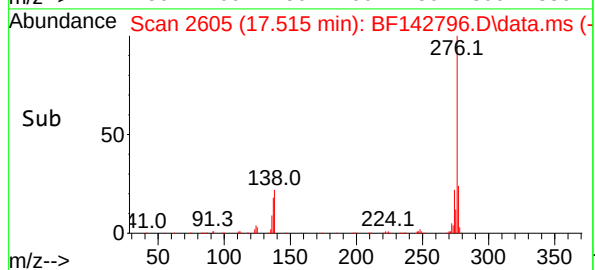
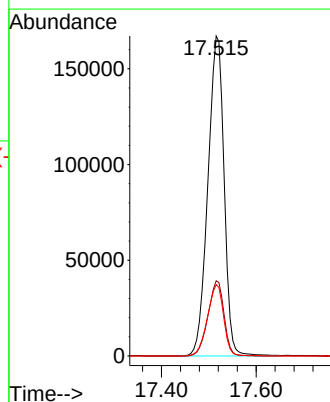
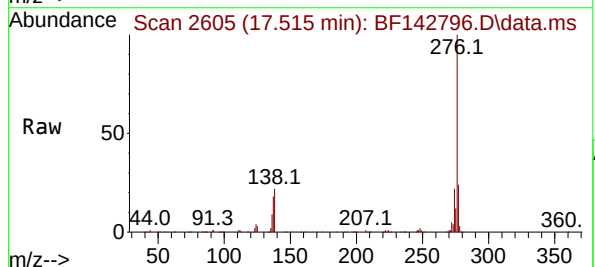
Instrument :
BNA_F
ClientSampleId :
ICVBF061925

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	Benzydine	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
 Sample : SSTDICV040
 Misc :
 ALS Vial : 10 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 ICVBF061925

Quant Time: Jun 24 15:59:56 2025
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 QLast Update : Tue Jun 24 05:28:21 2025
 Response via : Initial Calibration

Min. RRF : 0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.50min
 Max. RRF Dev : 25% Max. Rel. Area : 150%

	Compound	Amount	Calc.	%Dev	Area%	Dev(min)
1 I	1,4-Dichlorobenzene-d4	20.000	20.000	0.0	89	0.00
2	1,4-Dioxane	40.000	39.357	1.6	91	0.00
3	Pyridine	40.000	41.446	-3.6	95	0.00
4	n-Nitrosodimethylamine	40.000	41.912	-4.8	97	0.00
5 S	2-Fluorophenol	80.000	81.192	-1.5	94	0.00
6	Aniline	40.000	42.392	-6.0	97	0.00
7 S	Phenol-d6	80.000	80.262	-0.3	94	0.00
8	2-Chlorophenol	40.000	42.036	-5.1	97	0.00
9	Benzaldehyde	40.000	47.511	-18.8	117	0.00
10 C	Phenol	40.000	41.901	-4.8	96	0.00
11	bis(2-Chloroethyl)ether	40.000	42.157	-5.4	98	0.00
12	1,3-Dichlorobenzene	40.000	42.568	-6.4	99	0.00
13 C	1,4-Dichlorobenzene	40.000	42.268	-5.7	97	0.00
14	1,2-Dichlorobenzene	40.000	42.520	-6.3	98	0.00
15	Benzyl Alcohol	40.000	42.114	-5.3	98	0.00
16	2,2'-oxybis(1-Chloropropane	40.000	42.379	-5.9	99	0.00
17	2-Methylphenol	40.000	42.485	-6.2	98	0.00
18	Hexachloroethane	40.000	42.589	-6.5	97	0.00
19 P	n-Nitroso-di-n-propylamine	40.000	41.640	-4.1	97	0.00
20	3+4-Methylphenols	40.000	42.904	-7.3	99	0.00
21 I	Naphthalene-d8	20.000	20.000	0.0	89	0.00
22	Acetophenone	40.000	42.478	-6.2	100	0.00
23 S	Nitrobenzene-d5	80.000	73.334	8.3	84	0.00
24	Nitrobenzene	40.000	41.968	-4.9	97	0.00
25	Isophorone	40.000	41.403	-3.5	97	0.00
26 C	2-Nitrophenol	40.000	43.224	-8.1	97	0.00
27	2,4-Dimethylphenol	40.000	42.168	-5.4	98	0.00
28	bis(2-Chloroethoxy)methane	40.000	41.960	-4.9	98	0.00
29 C	2,4-Dichlorophenol	40.000	42.196	-5.5	97	0.00
30	1,2,4-Trichlorobenzene	40.000	42.177	-5.4	98	0.00
31	Naphthalene	40.000	42.218	-5.5	99	0.00
32	Benzoic acid	40.000	45.685	-14.2	103	0.00
33	4-Chloroaniline	40.000	41.766	-4.4	98	0.00
34 C	Hexachlorobutadiene	40.000	42.657	-6.6	98	0.00
35	Caprolactam	40.000	40.928	-2.3	95	0.00
36 C	4-Chloro-3-methylphenol	40.000	41.890	-4.7	97	0.00
37	2-Methylnaphthalene	40.000	41.730	-4.3	97	0.00
38	1-Methylnaphthalene	40.000	41.554	-3.9	97	0.00
39 I	Acenaphthene-d10	20.000	20.000	0.0	88	0.00
40	1,2,4,5-Tetrachlorobenzene	40.000	43.233	-8.1	101	0.00
41 P	Hexachlorocyclopentadiene	40.000	45.361	-13.4	100	0.00
42 S	2,4,6-Tribromophenol	80.000	80.065	-0.1	91	0.00
43 C	2,4,6-Trichlorophenol	40.000	42.543	-6.4	99	0.00
44	2,4,5-Trichlorophenol	40.000	43.045	-7.6	98	0.00
45 S	2-Fluorobiphenyl	80.000	72.171	9.8	85	0.00
46	1,1'-Biphenyl	40.000	42.159	-5.4	98	0.00
47	2-Chloronaphthalene	40.000	41.817	-4.5	97	0.00

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF061925\
 Data File : BF142796.D
 Acq On : 19 Jun 2025 21:10
 Operator : RC/JU
 Sample : SSTDICV040
 Misc :
 ALS Vial : 10 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 ICVBF061925

Quant Time: Jun 24 15:59:56 2025
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF061925.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Tue Jun 24 05:28:21 2025
 Response via : Initial Calibration

Min. RRF : 0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.50min
 Max. RRF Dev : 25% Max. Rel. Area : 150%

	Compound	Amount	Calc.	%Dev	Area%	Dev(min)
48	2-Nitroaniline	40.000	41.724	-4.3	94	0.00
49	Acenaphthylene	40.000	41.586	-4.0	96	0.00
50	Dimethylphthalate	40.000	41.232	-3.1	96	0.00
51	2,6-Dinitrotoluene	40.000	41.386	-3.5	94	0.00
52 C	Acenaphthene	40.000	41.825	-4.6	96	0.00
53	3-Nitroaniline	40.000	41.512	-3.8	95	0.00
54 P	2,4-Dinitrophenol	40.000	43.742	-9.4	97	0.00
55	Dibenzofuran	40.000	41.150	-2.9	95	0.00
56 P	4-Nitrophenol	40.000	40.556	-1.4	92	0.00
57	2,4-Dinitrotoluene	40.000	41.358	-3.4	94	0.00
58	Fluorene	40.000	41.052	-2.6	96	0.00
59	2,3,4,6-Tetrachlorophenol	40.000	41.857	-4.6	97	0.00
60	Diethylphthalate	40.000	40.937	-2.3	95	0.00
61	4-Chlorophenyl-phenylether	40.000	40.862	-2.2	96	0.00
62	4-Nitroaniline	40.000	40.628	-1.6	94	0.00
63	Azobenzene	40.000	41.025	-2.6	95	0.00
64 I	Phenanthrene-d10	20.000	20.000	0.0	87	0.00
65	4,6-Dinitro-2-methylphenol	40.000	43.341	-8.4	95	0.00
66 c	n-Nitrosodiphenylamine	40.000	41.955	-4.9	94	0.00
67	4-Bromophenyl-phenylether	40.000	43.376	-8.4	98	0.00
68	Hexachlorobenzene	40.000	42.632	-6.6	97	0.00
69	Atrazine	40.000	42.840	-7.1	96	0.00
70 C	Pentachlorophenol	40.000	43.337	-8.3	94	0.00
71	Phenanthrene	40.000	41.603	-4.0	95	0.00
72	Anthracene	40.000	42.013	-5.0	95	0.00
73	Carbazole	40.000	40.858	-2.1	94	0.00
74	Di-n-butylphthalate	40.000	42.228	-5.6	97	0.00
75 C	Fluoranthene	40.000	40.372	-0.9	94	0.00
76 I	Chrysene-d12	20.000	20.000	0.0	86	0.00
77	Benzydine	40.000	47.530	-18.8	99	0.00
78	Pyrene	40.000	40.794	-2.0	94	0.00
79 S	Terphenyl-d14	80.000	70.839	11.5	83	0.00
80	Butylbenzylphthalate	40.000	46.431	-16.1	99	0.00
81	Benzo(a)anthracene	40.000	41.868	-4.7	96	0.00
82	3,3'-Dichlorobenzidine	40.000	46.521	-16.3	102	0.00
83	Chrysene	40.000	43.637	-9.1	97	0.00
84	Bis(2-ethylhexyl)phthalate	40.000	47.976	-19.9	100	0.00
85 c	Di-n-octyl phthalate	40.000	47.026	-17.6	102	0.00
86 I	Perylene-d12	20.000	20.000	0.0	90	0.00
87	Indeno(1,2,3-cd)pyrene	40.000	42.060	-5.2	98	0.00
88	Benzo(b)fluoranthene	40.000	40.801	-2.0	99	0.00
89	Benzo(k)fluoranthene	40.000	41.800	-4.5	98	0.00
90 C	Benzo(a)pyrene	40.000	42.117	-5.3	99	0.00
91	Dibenzo(a,h)anthracene	40.000	42.069	-5.2	99	0.00
92	Benzo(g,h,i)perylene	40.000	42.006	-5.0	98	0.00

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF061925\
Data File : BF142796.D
Acq On : 19 Jun 2025 21:10
Operator : RC/JU
Sample : SSTDICV040
Misc :
ALS Vial : 10 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
ICVBF061925

Quant Time: Jun 24 15:59:56 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF061925.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Tue Jun 24 05:28:21 2025
Response via : Initial Calibration

Min. RRF : 0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.50min
Max. RRF Dev : 25% Max. Rel. Area : 150%

Compound	Amount	Calc.	%Dev	Area%	Dev(min)

(#) = Out of Range

SPCC's out = 0 CCC's out = 0



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

7C

SEMIVOLATILE CONTINUING CALIBRATION CHECK

Lab Name:	<u>Alliance</u>	Contract:	<u>CAMP02</u>
Lab Code:	<u>ACE</u>	SDG No.:	<u>Q2484</u>
Instrument ID:	<u>BNA_F</u>	Calibration Date/Time:	<u>07/02/2025 11:41</u>
Lab File ID:	<u>BF142964.D</u>	Init. Calib. Date(s):	<u>06/19/2025 06/19/2025</u>
EPA Sample No.:	<u>SSTDCCC040</u>	Init. Calib. Time(s):	<u>17:07 20:40</u>
GC Column:	<u>DB-UI</u>	ID:	<u>0.18</u> (mm)

COMPOUND	RRF	RRF040	MIN RRF	%D	MAX%D
2-Fluorophenol	1.201	1.175		-2.2	
Benzaldehyde	0.841	0.869		3.3	
Phenol-d6	1.417	1.364		-3.7	
Phenol	1.575	1.528		-3.0	20.0
bis(2-Chloroethyl)ether	1.126	1.072		-4.8	
2-Chlorophenol	1.296	1.252		-3.4	
2-Methylphenol	0.982	0.951		-3.2	
2,2-oxybis(1-Chloropropane)	1.809	1.643		-9.2	
Acetophenone	0.441	0.428		-2.9	
3+4-Methylphenols	1.224	1.220		-0.3	
n-Nitroso-di-n-propylamine	0.824	0.806	0.050	-2.2	
Nitrobenzene-d5	0.365	0.381		4.4	
Hexachloroethane	0.511	0.505		-1.2	
Nitrobenzene	0.330	0.320		-3.0	
Isophorone	0.585	0.565		-3.4	
2-Nitrophenol	0.180	0.179		-0.6	20.0
2,4-Dimethylphenol	0.311	0.301		-3.2	
bis(2-Chloroethoxy)methane	0.372	0.360		-3.2	
2,4-Dichlorophenol	0.282	0.275		-2.5	20.0
Naphthalene	0.979	0.947		-3.3	
4-Chloroaniline	0.398	0.390		-2.0	
Hexachlorobutadiene	0.190	0.186		-2.1	20.0
Caprolactam	0.075	0.075		0.0	
4-Chloro-3-methylphenol	0.281	0.275		-2.1	20.0
2-Methylnaphthalene	0.607	0.601		-1.0	
Hexachlorocyclopentadiene	0.335	0.265	0.050	-20.9	
2,4,6-Trichlorophenol	0.385	0.371		-3.6	20.0
2-Fluorobiphenyl	1.522	1.598		5.0	
2,4,5-Trichlorophenol	0.405	0.391		-3.5	
1,1-Biphenyl	1.580	1.544		-2.3	
2-Chloronaphthalene	1.186	1.140		-3.9	
2-Nitroaniline	0.332	0.326		-1.8	
Dimethylphthalate	1.295	1.269		-2.0	
Acenaphthylene	1.952	1.901		-2.6	
2,6-Dinitrotoluene	0.284	0.284		0.0	
3-Nitroaniline	0.313	0.313		0.0	
Acenaphthene	1.191	1.162		-2.4	20.0
2,4-Dinitrophenol	0.142	0.122	0.050	-14.1	
4-Nitrophenol	0.214	0.246	0.050	15.0	



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

7C

SEMIVOLATILE CONTINUING CALIBRATION CHECK

Lab Name: Alliance Contract: CAMP02
 Lab Code: ACE SDG No.: Q2484
 Instrument ID: BNA_F Calibration Date/Time: 07/02/2025 11:41
 Lab File ID: BF142964.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	1.651		-3.3	
2,4-Dinitrotoluene	0.378	0.373		-1.3	
Diethylphthalate	1.269	1.281		0.9	
4-Chlorophenyl-phenylether	0.636	0.631		-0.8	
Fluorene	1.334	1.313		-1.6	
4-Nitroaniline	0.286	0.291		1.7	
4,6-Dinitro-2-methylphenol	0.121	0.113		-6.6	
n-Nitrosodiphenylamine	0.693	0.673		-2.9	20.0
2,4,6-Tribromophenol	0.206	0.203		-1.5	
4-Bromophenyl-phenylether	0.228	0.223		-2.2	
Hexachlorobenzene	0.253	0.240		-5.1	
Atrazine	0.179	0.188		5.0	
Pentachlorophenol	0.126	0.112		-11.1	20.0
Phenanthrene	1.083	1.038		-4.2	
Anthracene	1.111	1.071		-3.6	
Carbazole	0.959	0.921		-4.0	
Di-n-butylphthalate	0.999	1.051		5.2	
Fluoranthene	1.028	0.992		-3.5	20.0
Pyrene	1.875	1.887		0.6	
Terphenyl-d14	1.447	1.366		-5.6	
Butylbenzylphthalate	0.544	0.594		9.2	
3,3-Dichlorobenzidine	0.438	0.424		-3.2	
Benzo (a) anthracene	1.349	1.348		-0.1	
Chrysene	1.204	1.123		-6.7	
Bis(2-ethylhexyl)phthalate	0.782	0.847		8.3	
Di-n-octyl phthalate	1.475	1.461		-0.9	20.0
Benzo (b) fluoranthene	1.157	1.268		9.6	
Benzo (k) fluoranthene	1.083	1.006		-7.1	
Benzo (a) pyrene	1.118	1.116		-0.2	20.0
Indeno (1,2,3-cd) pyrene	1.523	1.408		-7.6	
Dibenzo (a,h) anthracene	1.238	1.141		-7.8	
Benzo (g,h,i) perylene	1.234	1.137		-7.9	
1,2,4,5-Tetrachlorobenzene	0.590	0.588		-0.3	
1,4-Dioxane	0.480	0.432		-10.0	20.0
2,3,4,6-Tetrachlorophenol	0.326	0.315		-3.4	

All other compounds must meet a minimum RRF of 0.010.

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF070225\
 Data File : BF142964.D
 Acq On : 02 Jul 2025 11:41
 Operator : RC/JU
 Sample : SSTDCCC040
 Misc :
 ALS Vial : 2 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 SSTDCCC040

Quant Time: Jul 02 12:31:08 2025
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF061925.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Tue Jun 24 05:28:21 2025
 Response via : Initial Calibration

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

Internal Standards						
1) 1,4-Dichlorobenzene-d4	6.875	152	58835	20.000	ng	0.00
21) Naphthalene-d8	8.157	136	223613	20.000	ng	-0.01
39) Acenaphthene-d10	9.916	164	116653	20.000	ng	0.00
64) Phenanthrene-d10	11.404	188	194796	20.000	ng	0.00
76) Chrysene-d12	14.051	240	118183	20.000	ng	0.00
86) Perylene-d12	15.545	264	123997	20.000	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.492	112	276568	78.264	ng	0.00
7) Phenol-d6	6.504	99	321092	77.015	ng	0.00
23) Nitrobenzene-d5	7.439	82	340484	83.519	ng	0.00
42) 2,4,6-Tribromophenol	10.710	330	94919	79.070	ng	0.00
45) 2-Fluorobiphenyl	9.233	172	745681	83.974	ng	-0.01
79) Terphenyl-d14	12.992	244	645901	75.514	ng	0.00
Target Compounds						
						Qvalue
2) 1,4-Dioxane	2.616	88	50814	35.951	ng	100
3) Pyridine	3.393	79	129715	36.607	ng	97
4) n-Nitrosodimethylamine	3.340	42	68475	37.370	ng	96
6) Aniline	6.534	93	213019	38.399	ng	# 89
8) 2-Chlorophenol	6.657	128	147268	38.633	ng	100
9) Benzaldehyde	6.428	77	102310	41.363	ng	99
10) Phenol	6.522	94	179818	38.801	ng	90
11) bis(2-Chloroethyl)ether	6.610	93	126176	38.094	ng	97
12) 1,3-Dichlorobenzene	6.816	146	167807	39.362	ng	99
13) 1,4-Dichlorobenzene	6.892	146	167051	38.838	ng	99
14) 1,2-Dichlorobenzene	7.045	146	158089	38.750	ng	98
15) Benzyl Alcohol	7.016	79	120225	39.888	ng	98
16) 2,2'-oxybis(1-Chloropr...	7.145	45	193355	36.334	ng	90
17) 2-Methylphenol	7.128	107	111915	38.742	ng	99
18) Hexachloroethane	7.386	117	59432	39.504	ng	96
19) n-Nitroso-di-n-propyla...	7.287	70	94859	39.120	ng	98
20) 3+4-Methylphenols	7.281	107	143560	39.858	ng	96
22) Acetophenone	7.287	105	191366	38.808	ng	99
24) Nitrobenzene	7.457	77	143245	38.821	ng	99
25) Isophorone	7.698	82	252508	38.611	ng	99
26) 2-Nitrophenol	7.775	139	80191	39.896	ng	99
27) 2,4-Dimethylphenol	7.810	122	134614	38.663	ng	99
28) bis(2-Chloroethoxy)met...	7.904	93	160881	38.695	ng	100
29) 2,4-Dichlorophenol	8.016	162	123052	38.979	ng	99
30) 1,2,4-Trichlorobenzene	8.098	180	136262	39.253	ng	99
31) Naphthalene	8.181	128	423430	38.685	ng	100
32) Benzoic acid	7.922	122	62494	35.216	ng	98
33) 4-Chloroaniline	8.228	127	174568	39.223	ng	99
34) Hexachlorobutadiene	8.292	225	83307	39.233	ng	99
35) Caprolactam	8.598	113	33703	40.458	ng	94
36) 4-Chloro-3-methylphenol	8.710	107	123098	39.235	ng	99
37) 2-Methylnaphthalene	8.869	142	268630	39.587	ng	99
38) 1-Methylnaphthalene	8.969	142	275913	39.278	ng	99
40) 1,2,4,5-Tetrachloroben...	9.039	216	137091	39.828	ng	98
41) Hexachlorocyclopentadiene	9.022	237	61927	31.704	ng	98
43) 2,4,6-Trichlorophenol	9.151	196	86463	38.549	ng	98

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF070225\
 Data File : BF142964.D
 Acq On : 02 Jul 2025 11:41
 Operator : RC/JU
 Sample : SSTDCCC040
 Misc :
 ALS Vial : 2 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 SSTDCCC040

Quant Time: Jul 02 12:31:08 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

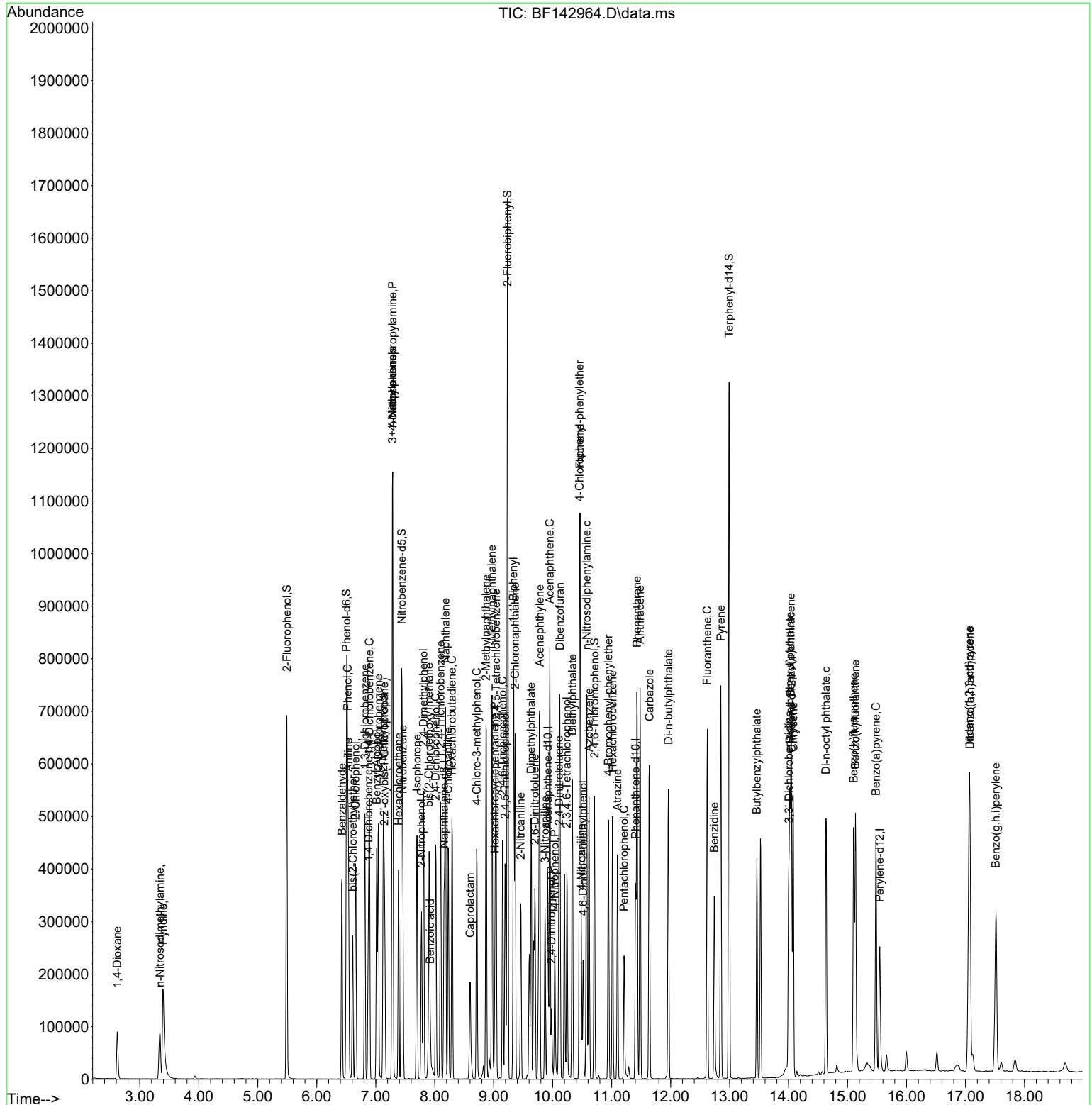
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
44) 2,4,5-Trichlorophenol	9.192	196	91232	38.640	ng	98
46) 1,1'-Biphenyl	9.333	154	360192	39.088	ng	100
47) 2-Chloronaphthalene	9.363	162	266073	38.477	ng	100
48) 2-Nitroaniline	9.457	65	76026	39.215	ng	100
49) Acenaphthylene	9.780	152	443514	38.960	ng	99
50) Dimethylphthalate	9.633	163	295995	39.199	ng	99
51) 2,6-Dinitrotoluene	9.698	165	66200	39.921	ng	99
52) Acenaphthene	9.951	154	271033	39.023	ng	100
53) 3-Nitroaniline	9.869	138	73098	40.037	ng	99
54) 2,4-Dinitrophenol	9.980	184	28575	34.414	ng	97
55) Dibenzofuran	10.122	168	385288	38.685	ng	100
56) 4-Nitrophenol	10.033	139	57314	45.854	ng	98
57) 2,4-Dinitrotoluene	10.104	165	87102	39.544	ng	96
58) Fluorene	10.463	166	306402	39.391	ng	99
59) 2,3,4,6-Tetrachlorophenol	10.239	232	73451	38.594	ng	95
60) Diethylphthalate	10.333	149	298938	40.377	ng	100
61) 4-Chlorophenyl-phenyle...	10.457	204	147263	39.675	ng	99
62) 4-Nitroaniline	10.486	138	67838	40.627	ng	97
63) Azobenzene	10.616	77	253554	38.318	ng	98
65) 4,6-Dinitro-2-methylph...	10.516	198	43984	37.330	ng	93
66) n-Nitrosodiphenylamine	10.575	169	262226	38.842	ng	99
67) 4-Bromophenyl-phenylether	10.945	248	86932	39.212	ng	96
68) Hexachlorobenzene	11.016	284	93666	38.023	ng	99
69) Atrazine	11.098	200	73076	41.917	ng	98
70) Pentachlorophenol	11.210	266	43803	35.684	ng	100
71) Phenanthrene	11.427	178	404225	38.308	ng	100
72) Anthracene	11.480	178	417414	38.570	ng	100
73) Carbazole	11.639	167	358920	38.432	ng	99
74) Di-n-butylphthalate	11.963	149	409630	42.104	ng	99
75) Fluoranthene	12.621	202	386289	38.573	ng	100
77) Benzidine	12.739	184	206536	46.514	ng	99
78) Pyrene	12.851	202	445961	40.257	ng	100
80) Butylbenzylphthalate	13.463	149	140470	43.714	ng	97
81) Benzo(a)anthracene	14.039	228	318700	39.974	ng	100
82) 3,3'-Dichlorobenzidine	14.004	252	100139	38.724	ng	98
83) Chrysene	14.080	228	265448	37.312	ng	99
84) Bis(2-ethylhexyl)phtha...	14.021	149	200158	43.293	ng	99
85) Di-n-octyl phthalate	14.633	149	345369	39.616	ng	98
87) Indeno(1,2,3-cd)pyrene	17.062	276	349123	36.965	ng	98
88) Benzo(b)fluoranthene	15.104	252	314480	43.830	ng	100
89) Benzo(k)fluoranthene	15.133	252	249604	37.183	ng	100
90) Benzo(a)pyrene	15.480	252	276854	39.941	ng	100
91) Dibenzo(a,h)anthracene	17.074	278	283004	36.878	ng	98
92) Benzo(g,h,i)perylene	17.515	276	281879	36.836	ng	98

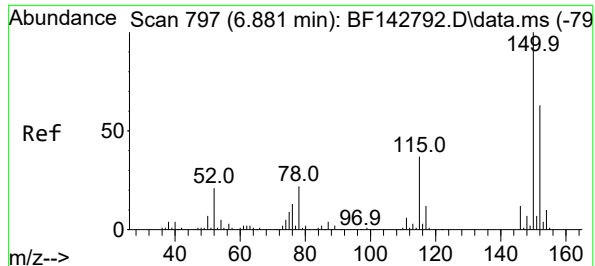
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Acq On    : 02 Jul 2025  11:41  
Operator  : RC/JU  
Sample    : SSTDCCC040  
Misc      :  
ALS Vial  : 2    Sample Multiplier: 1
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Instrument :
BNA_F
ClientSampleId :
SSTDCCC040

Quant Time: Jul 02 12:31:08 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF061925.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Tue Jun 24 05:28:21 2025
Response via : Initial Calibration

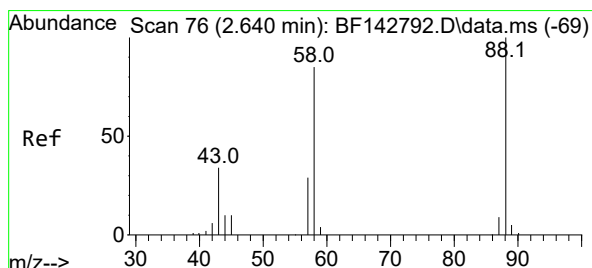
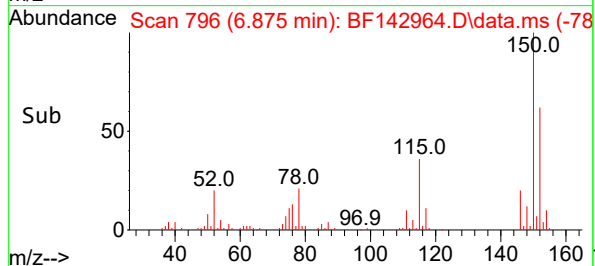
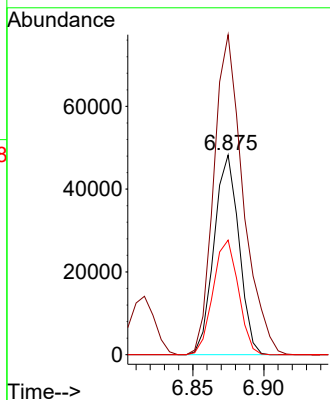
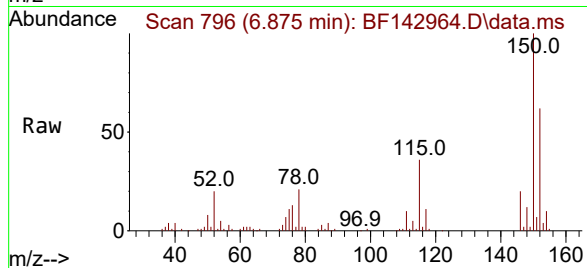




#1
 1,4-Dichlorobenzene-d4
 Concen: 20.000 ng
 RT: 6.875 min Scan# 79
 Delta R.T. -0.006 min
 Lab File: BF142964.D
 Acq: 02 Jul 2025 11:41

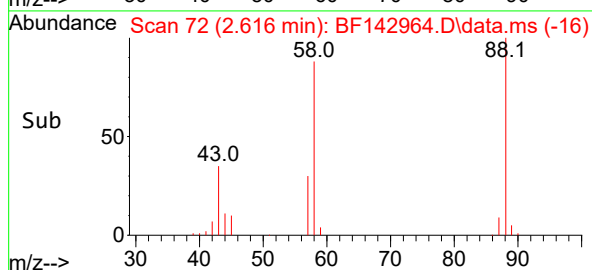
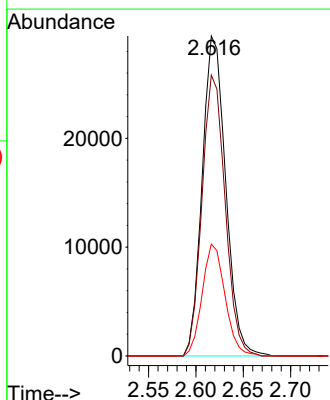
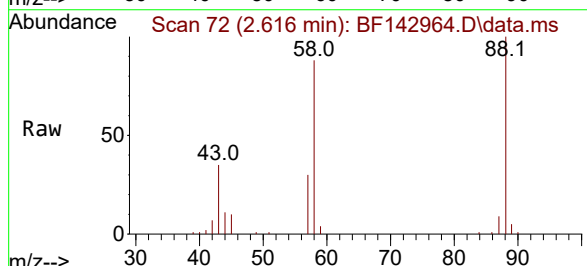
Instrument :
 BNA_F
 ClientSampleId :
 SSTDCCC040

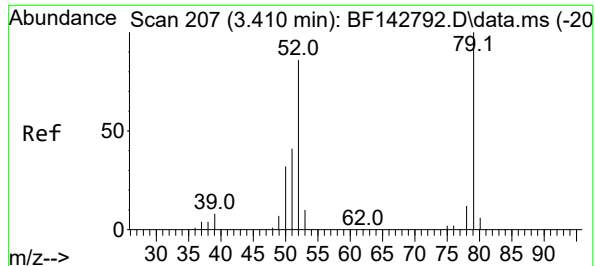
Tgt Ion:152 Resp: 58835
 Ion Ratio Lower Upper
 152 100
 150 160.2 127.2 190.8
 115 57.4 46.6 69.8



#2
 1,4-Dioxane
 Concen: 35.951 ng
 RT: 2.616 min Scan# 72
 Delta R.T. -0.023 min
 Lab File: BF142964.D
 Acq: 02 Jul 2025 11:41

Tgt Ion: 88 Resp: 50814
 Ion Ratio Lower Upper
 88 100
 58 86.2 69.1 103.7
 43 34.0 27.4 41.2

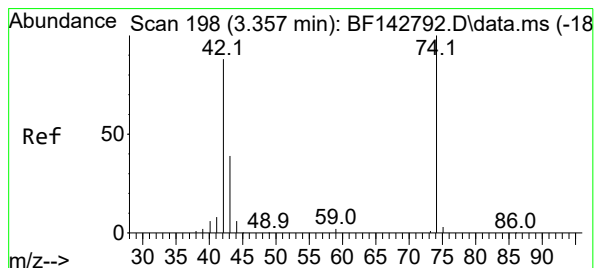
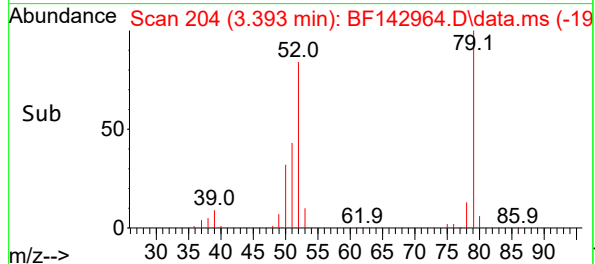
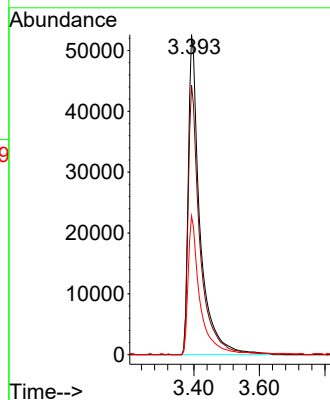
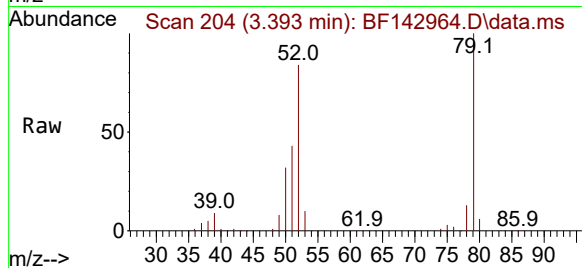




#3
Pyridine
Concen: 36.607 ng
RT: 3.393 min Scan# 207
Delta R.T. -0.018 min
Lab File: BF142964.D
Acq: 02 Jul 2025 11:41

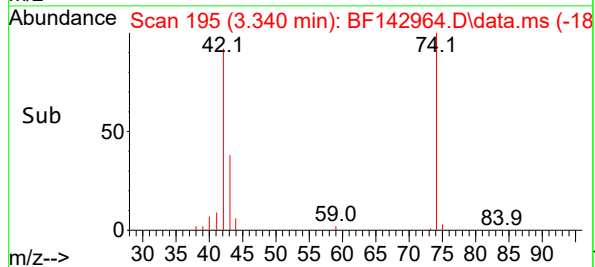
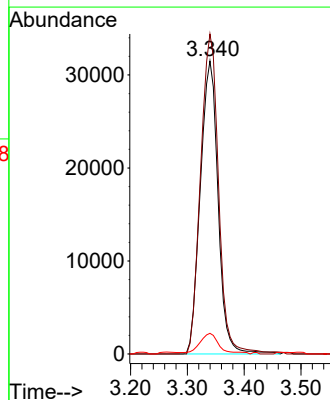
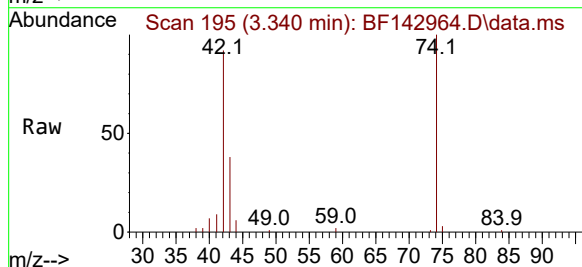
Instrument :
BNA_F
ClientSampleId :
SSTDCCC040

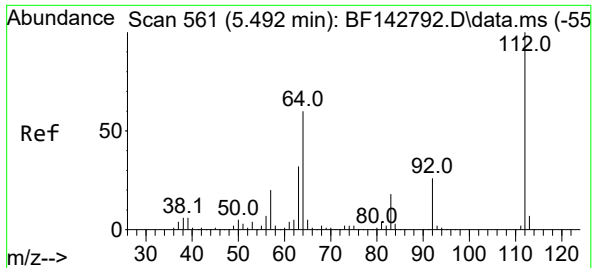
Tgt Ion: 79 Resp: 129715
Ion Ratio Lower Upper
79 100
52 84.2 69.2 103.8
51 43.4 33.2 49.8



#4
n-Nitrosodimethylamine
Concen: 37.370 ng
RT: 3.340 min Scan# 195
Delta R.T. -0.018 min
Lab File: BF142964.D
Acq: 02 Jul 2025 11:41

Tgt Ion: 42 Resp: 68475
Ion Ratio Lower Upper
42 100
74 109.2 90.9 136.3
44 7.0 5.8 8.6





#5

2-Fluorophenol

Concen: 78.264 ng

RT: 5.492 min Scan# 5

Delta R.T. 0.000 min

Lab File: BF142964.D

Acq: 02 Jul 2025 11:41

Instrument :

BNA_F

ClientSampleId :

SSTDCCC040

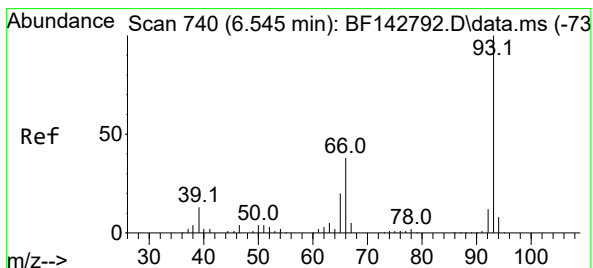
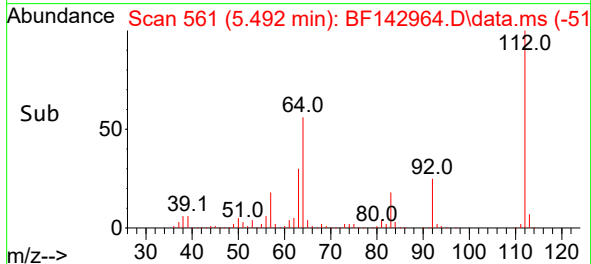
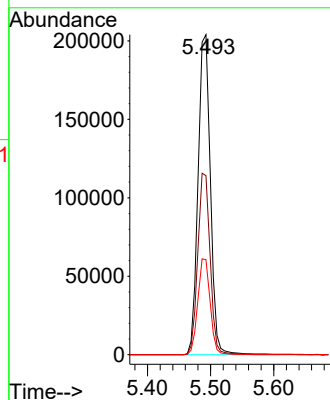
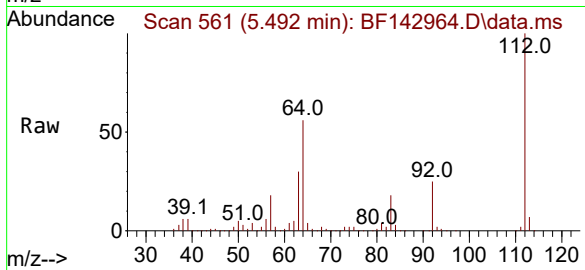
Tgt Ion:112 Resp: 276568

Ion Ratio Lower Upper

112 100

64 56.0 48.2 72.2

63 29.7 25.7 38.5



#6

Aniline

Concen: 38.399 ng

RT: 6.534 min Scan# 738

Delta R.T. -0.012 min

Lab File: BF142964.D

Acq: 02 Jul 2025 11:41

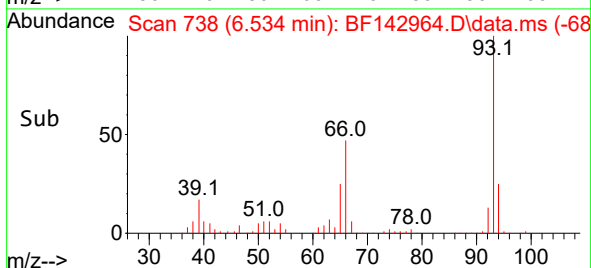
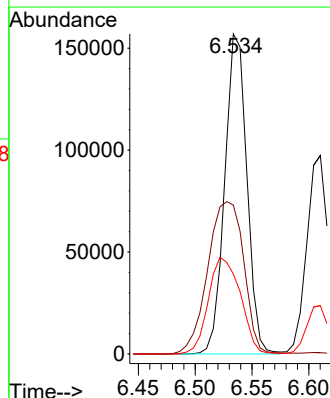
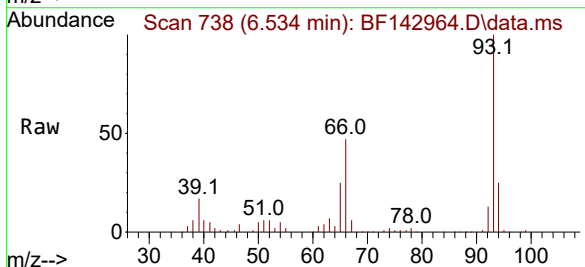
Tgt Ion: 93 Resp: 213019

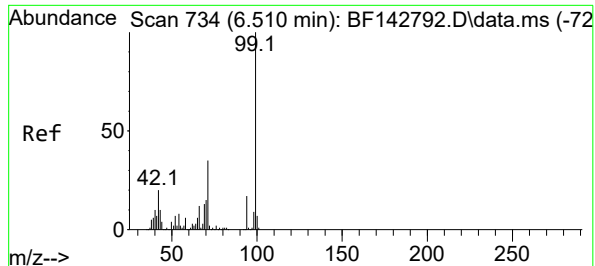
Ion Ratio Lower Upper

93 100

66 46.5 31.8 47.6

65 25.0 16.2 24.2#

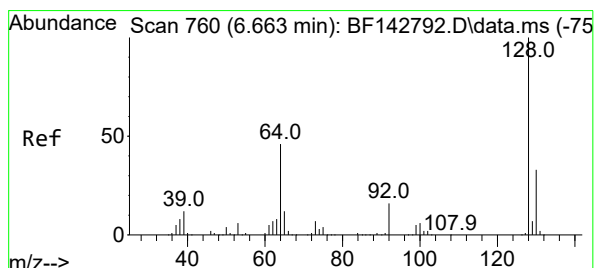
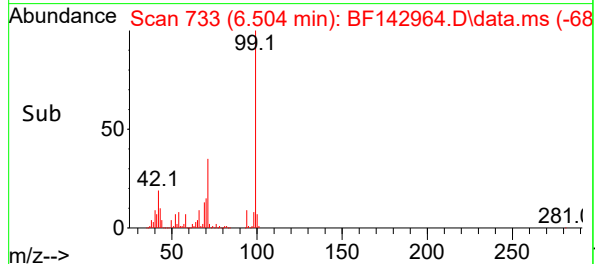
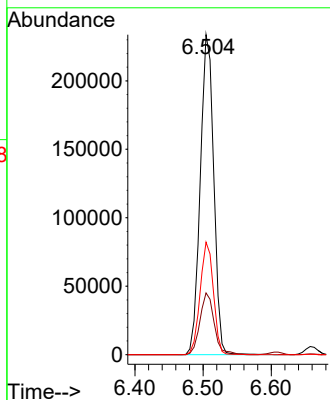
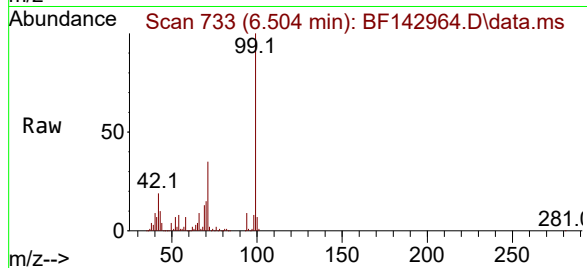




#7
Phenol-d6
Concen: 77.015 ng
RT: 6.504 min Scan# 71
Delta R.T. -0.006 min
Lab File: BF142964.D
Acq: 02 Jul 2025 11:41

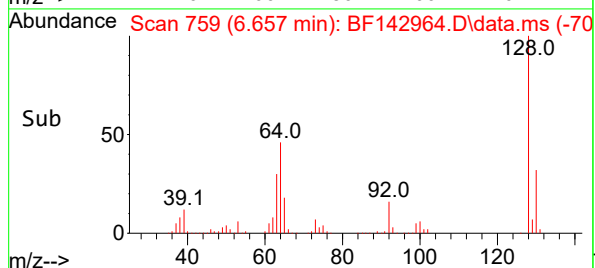
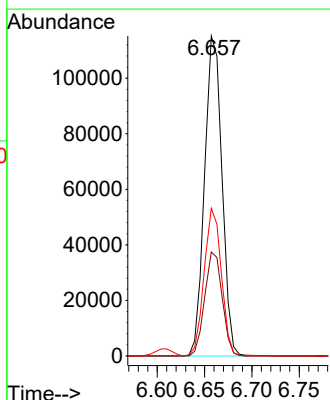
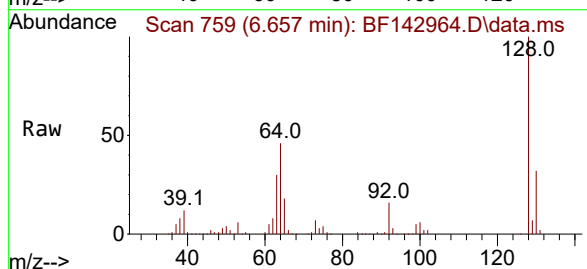
Instrument :
BNA_F
ClientSampleId :
SSTDCCC040

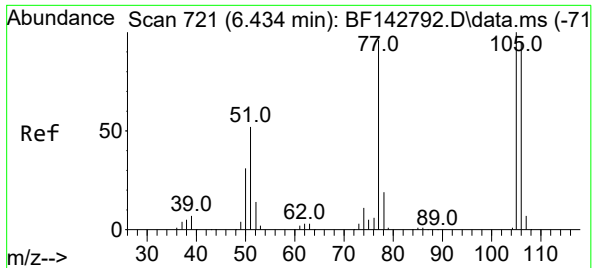
Tgt Ion: 99 Resp: 321092
Ion Ratio Lower Upper
99 100
42 19.3 15.9 23.9
71 35.2 27.8 41.8



#8
2-Chlorophenol
Concen: 38.633 ng
RT: 6.657 min Scan# 759
Delta R.T. -0.006 min
Lab File: BF142964.D
Acq: 02 Jul 2025 11:41

Tgt Ion: 128 Resp: 147268
Ion Ratio Lower Upper
128 100
130 32.5 12.7 52.7
64 46.1 26.5 66.5

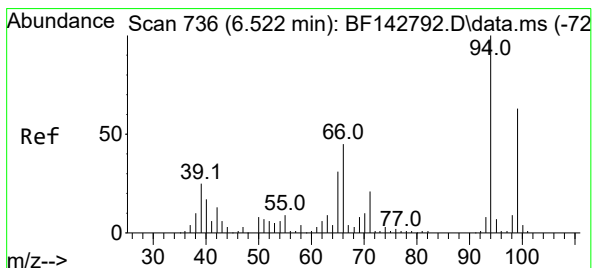
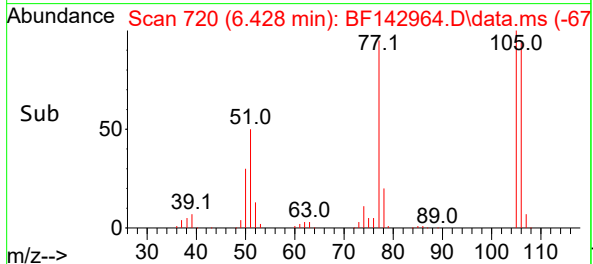
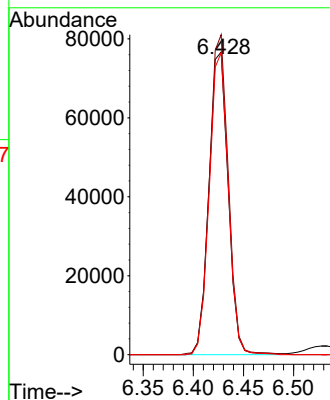
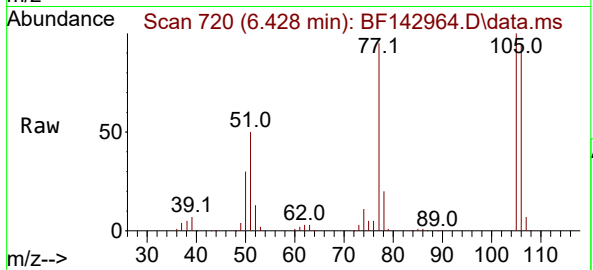




#9
Benzaldehyde
Concen: 41.363 ng
RT: 6.428 min Scan# 721
Delta R.T. -0.006 min
Lab File: BF142964.D
Acq: 02 Jul 2025 11:41

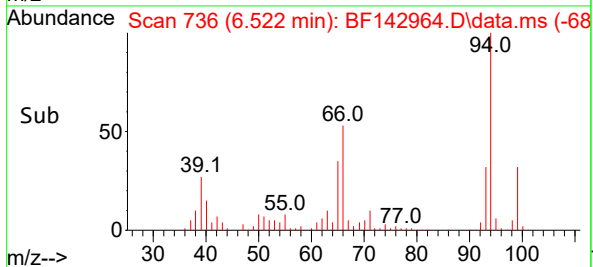
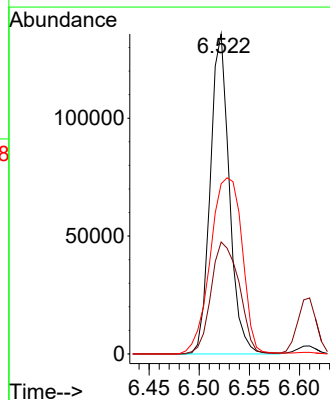
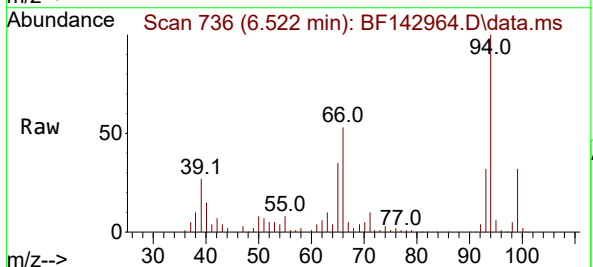
Instrument :
BNA_F
ClientSampleId :
SSTDCCC040

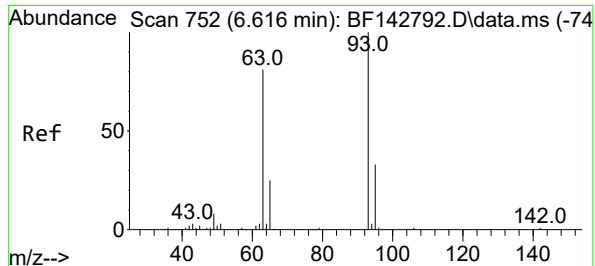
Tgt Ion: 77 Resp: 102310
Ion Ratio Lower Upper
77 100
105 105.7 83.8 123.8
106 99.8 78.7 118.7



#10
Phenol
Concen: 38.801 ng
RT: 6.522 min Scan# 736
Delta R.T. 0.000 min
Lab File: BF142964.D
Acq: 02 Jul 2025 11:41

Tgt Ion: 94 Resp: 179818
Ion Ratio Lower Upper
94 100
65 35.0 11.3 51.3
66 53.2 24.9 64.9

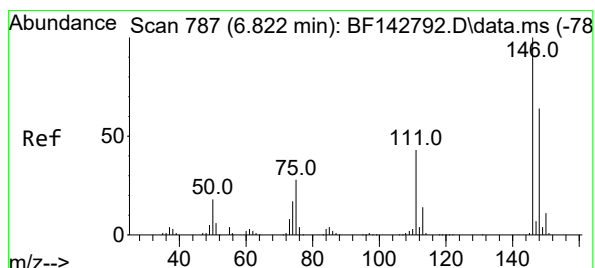
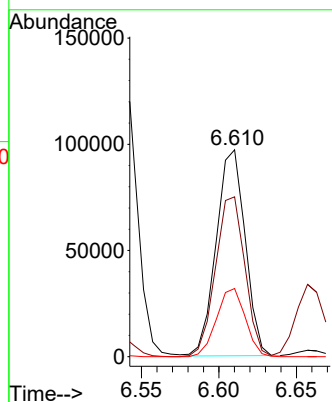
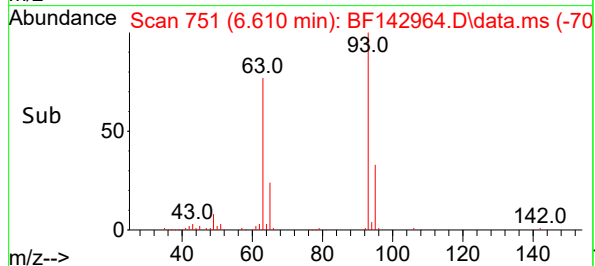
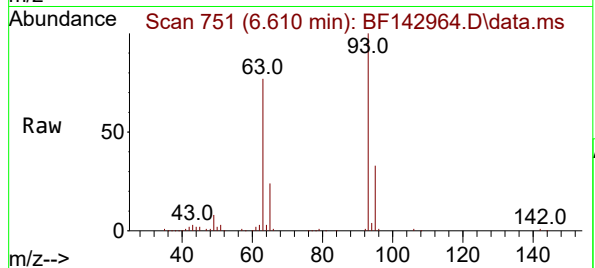




#11
bis(2-Chloroethyl)ether
Concen: 38.094 ng
RT: 6.610 min Scan# 751
Delta R.T. -0.006 min
Lab File: BF142964.D
Acq: 02 Jul 2025 11:41

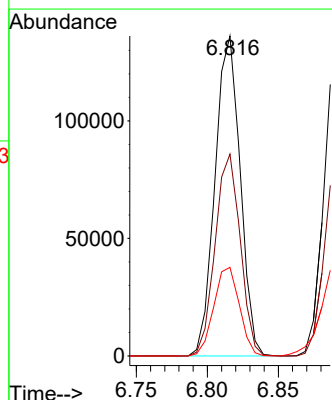
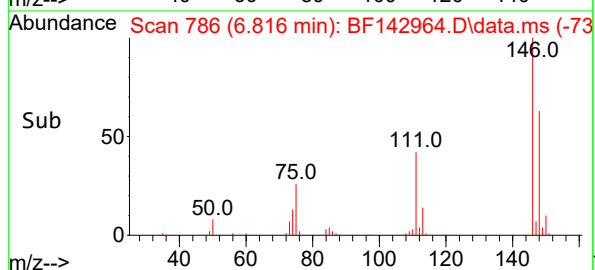
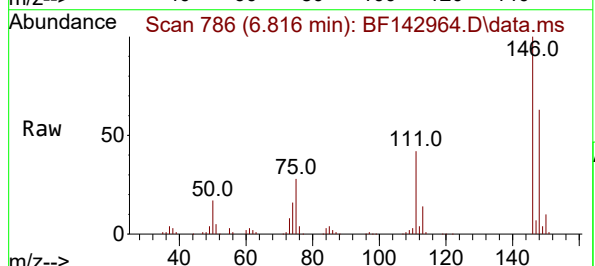
Instrument :
BNA_F
ClientSampleId :
SSTDCCC040

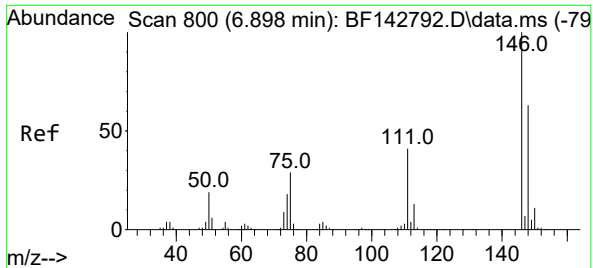
Tgt Ion: 93 Resp: 126176
Ion Ratio Lower Upper
93 100
63 77.3 60.3 100.3
95 32.9 12.5 52.5



#12
1,3-Dichlorobenzene
Concen: 39.362 ng
RT: 6.816 min Scan# 786
Delta R.T. -0.006 min
Lab File: BF142964.D
Acq: 02 Jul 2025 11:41

Tgt Ion:146 Resp: 167807
Ion Ratio Lower Upper
146 100
148 63.1 51.1 76.7
75 27.7 22.7 34.1





#13

1,4-Dichlorobenzene

Concen: 38.838 ng

RT: 6.892 min Scan# 79

Delta R.T. -0.006 min

Lab File: BF142964.D

Acq: 02 Jul 2025 11:41

Instrument :

BNA_F

ClientSampleId :

SSTDCCC040

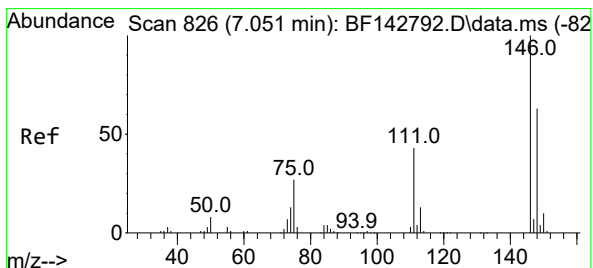
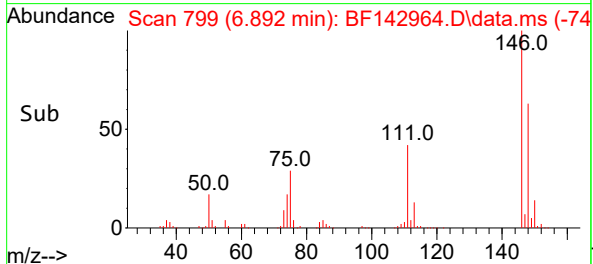
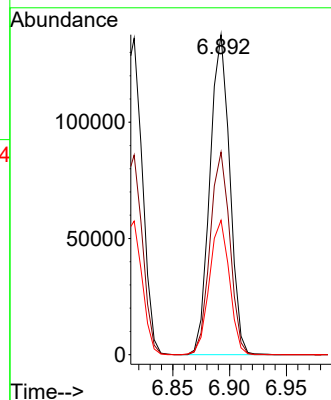
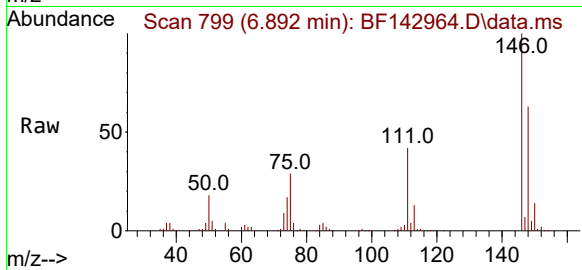
Tgt Ion:146 Resp: 167051

Ion Ratio Lower Upper

146 100

148 63.3 50.2 75.2

111 42.0 33.2 49.8



#14

1,2-Dichlorobenzene

Concen: 38.750 ng

RT: 7.045 min Scan# 825

Delta R.T. -0.006 min

Lab File: BF142964.D

Acq: 02 Jul 2025 11:41

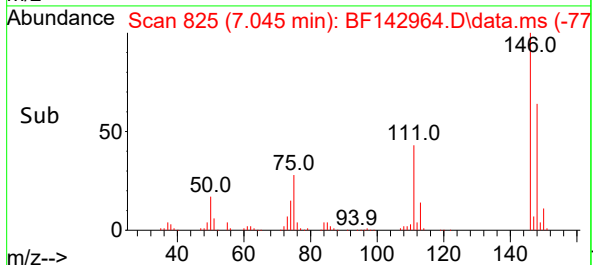
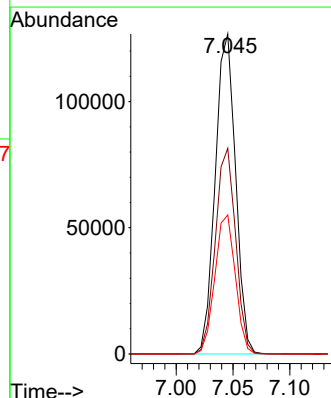
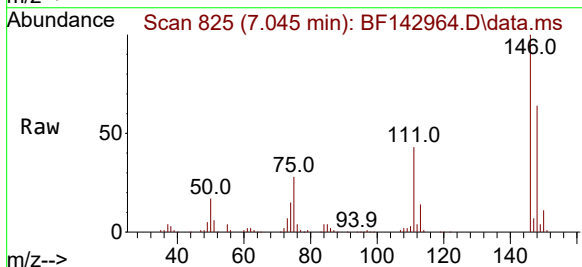
Tgt Ion:146 Resp: 158089

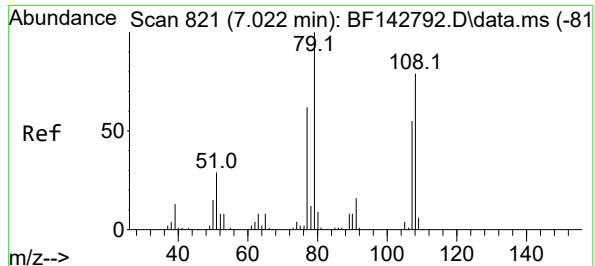
Ion Ratio Lower Upper

146 100

148 64.3 50.4 75.6

111 43.5 34.1 51.1





#15

Benzyl Alcohol

Concen: 39.888 ng

RT: 7.016 min Scan# 81

Delta R.T. -0.006 min

Lab File: BF142964.D

Acq: 02 Jul 2025 11:41

Instrument :

BNA_F

ClientSampleId :

SSTDCCC040

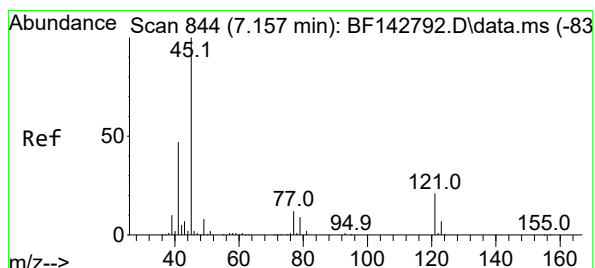
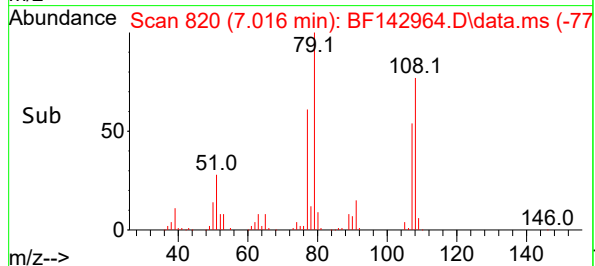
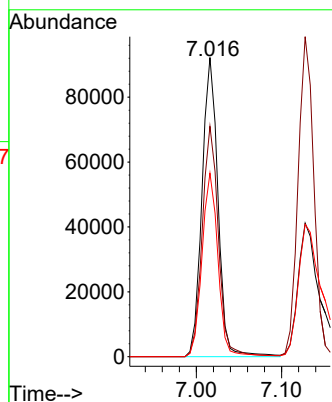
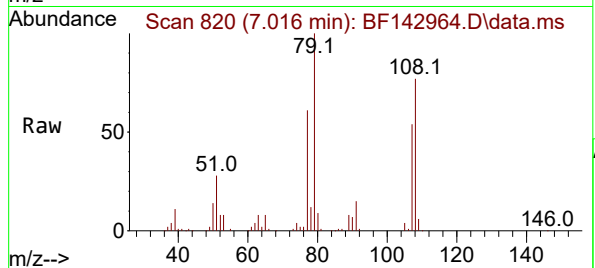
Tgt Ion: 79 Resp: 120225

Ion Ratio Lower Upper

79 100

108 77.0 63.4 95.0

77 61.4 49.5 74.3



#16

2,2'-oxybis(1-Chloropropane)

Concen: 36.334 ng

RT: 7.145 min Scan# 842

Delta R.T. -0.012 min

Lab File: BF142964.D

Acq: 02 Jul 2025 11:41

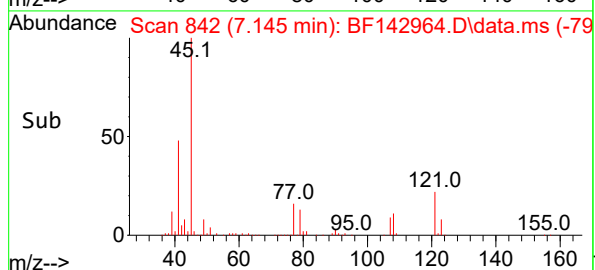
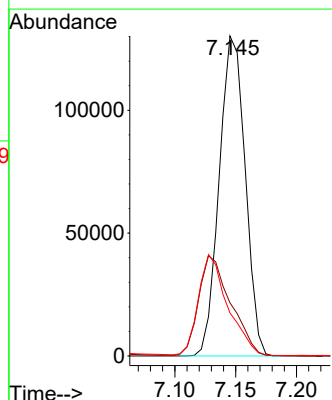
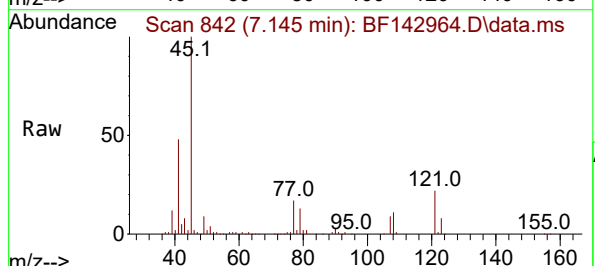
Tgt Ion: 45 Resp: 193355

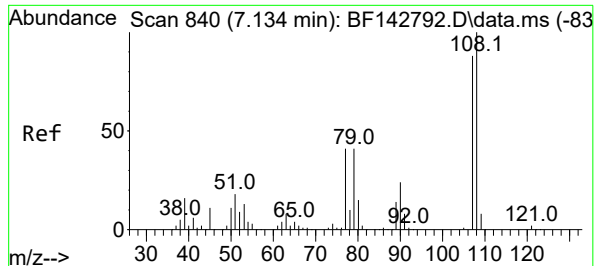
Ion Ratio Lower Upper

45 100

77 16.6 0.0 32.8

79 13.4 0.0 29.8

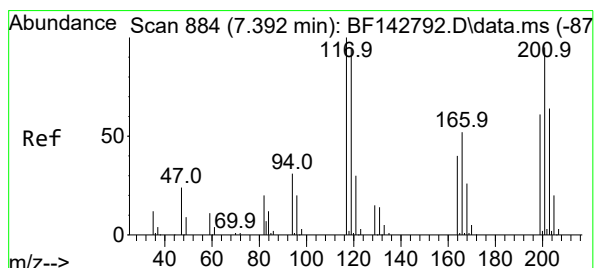
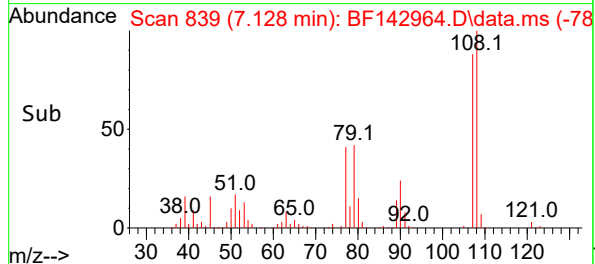
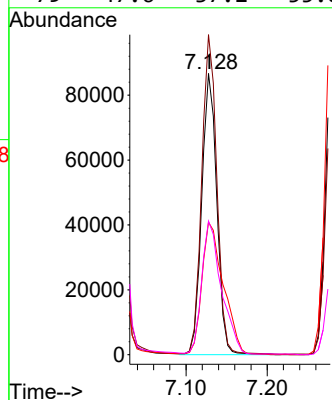
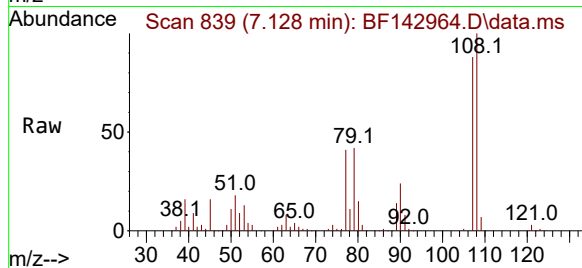




#17
2-Methylphenol
Concen: 38.742 ng
RT: 7.128 min Scan# 811
Delta R.T. -0.006 min
Lab File: BF142964.D
Acq: 02 Jul 2025 11:41

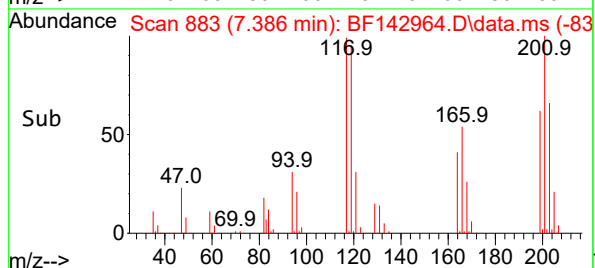
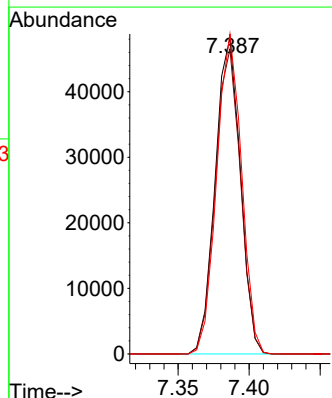
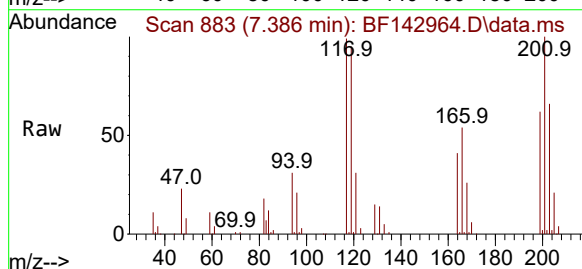
Instrument :
BNA_F
ClientSampleId :
SSTDCCC040

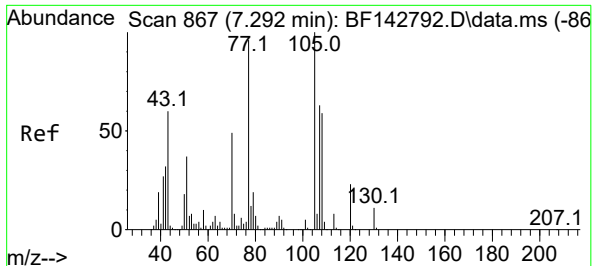
Tgt Ion:107 Resp: 111915
Ion Ratio Lower Upper
107 100
108 113.9 90.9 136.3
77 47.1 37.3 55.9
79 47.6 37.2 55.8



#18
Hexachloroethane
Concen: 39.504 ng
RT: 7.386 min Scan# 883
Delta R.T. -0.006 min
Lab File: BF142964.D
Acq: 02 Jul 2025 11:41

Tgt Ion:117 Resp: 59432
Ion Ratio Lower Upper
117 100
119 96.3 75.4 113.0
201 101.1 75.9 113.9





#19

n-Nitroso-di-n-propylamine

Concen: 39.120 ng

RT: 7.287 min Scan# 80

Delta R.T. -0.006 min

Lab File: BF142964.D

Acq: 02 Jul 2025 11:41

Instrument :

BNA_F

ClientSampleId :

SSTDCCC040

Tgt Ion: 70 Resp: 94859

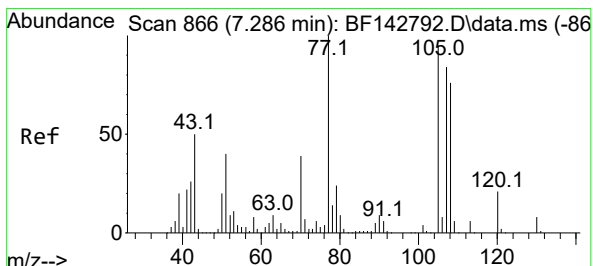
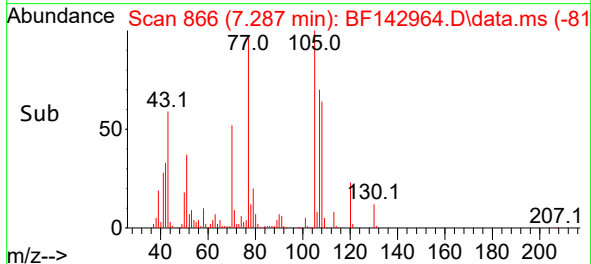
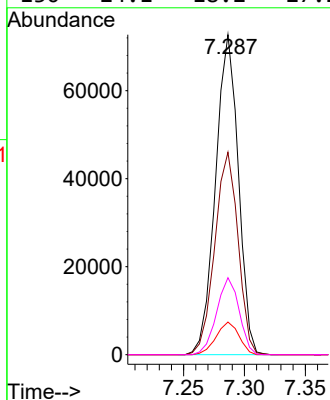
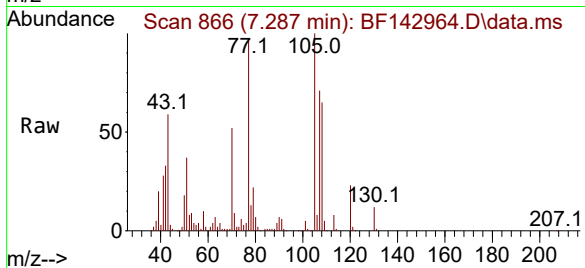
Ion Ratio Lower Upper

70 100

42 63.2 52.1 78.1

101 10.2 8.2 12.2

130 24.1 18.2 27.2



#20

3+4-Methylphenols

Concen: 39.858 ng

RT: 7.281 min Scan# 865

Delta R.T. -0.006 min

Lab File: BF142964.D

Acq: 02 Jul 2025 11:41

Tgt Ion: 107 Resp: 143560

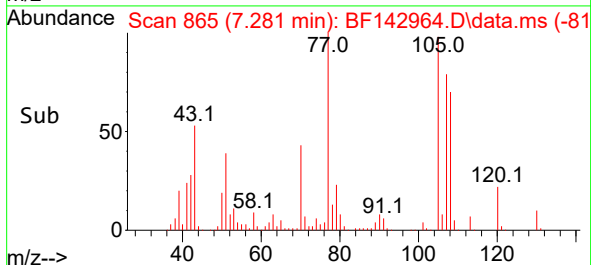
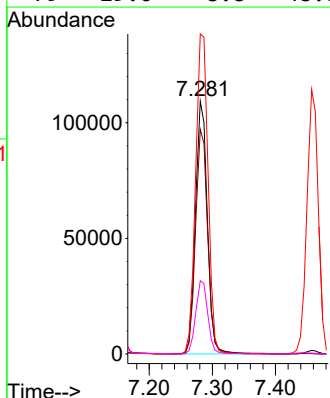
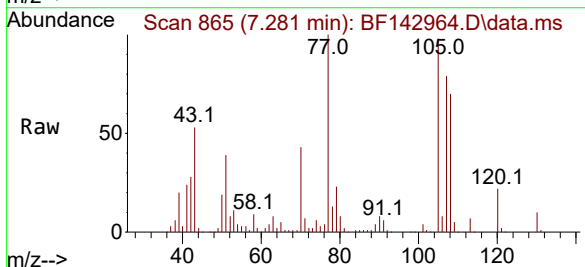
Ion Ratio Lower Upper

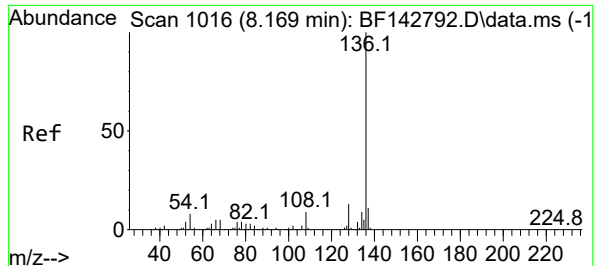
107 100

108 88.9 70.0 110.0

77 126.6 98.5 138.5

79 29.0 8.8 48.8





#21

Naphthalene-d8

Concen: 20.000 ng

RT: 8.157 min Scan# 1014

Delta R.T. -0.012 min

Lab File: BF142964.D

Acq: 02 Jul 2025 11:41

Instrument :

BNA_F

ClientSampleId :

SSTDCCC040

Tgt Ion:136 Resp: 223613

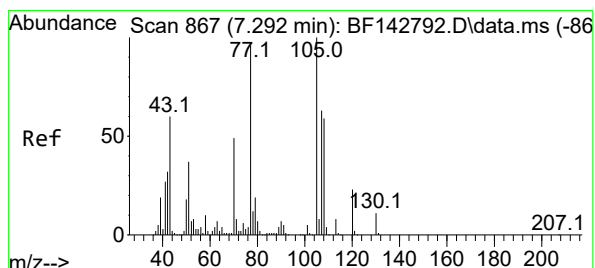
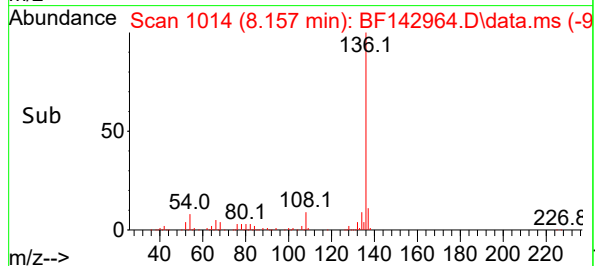
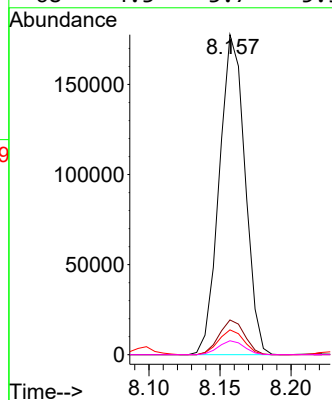
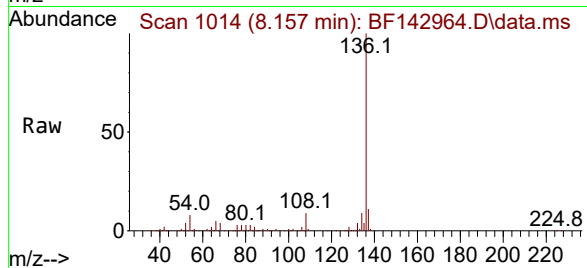
Ion Ratio Lower Upper

136 100

137 10.8 8.4 12.6

54 7.7 6.3 9.5

68 4.3 3.7 5.5



#22

Acetophenone

Concen: 38.808 ng

RT: 7.287 min Scan# 866

Delta R.T. -0.006 min

Lab File: BF142964.D

Acq: 02 Jul 2025 11:41

Tgt Ion:105 Resp: 191366

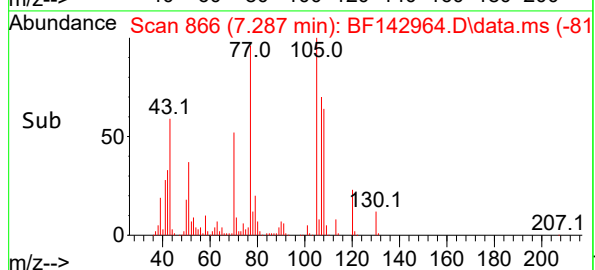
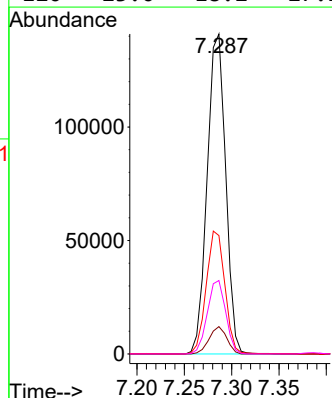
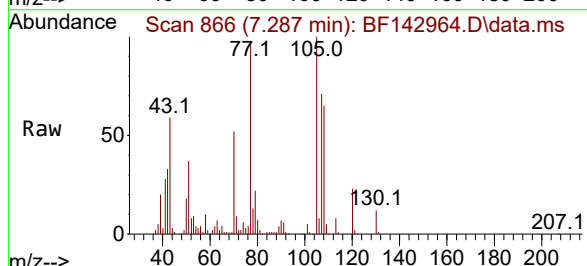
Ion Ratio Lower Upper

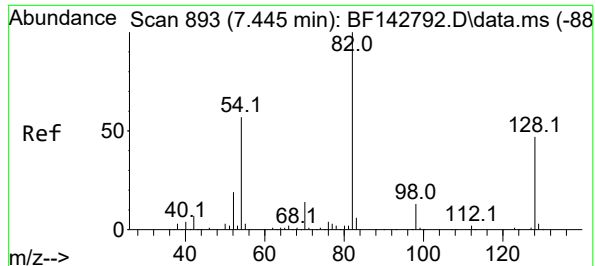
105 100

71 8.6 6.5 9.7

51 37.0 29.8 44.8

120 23.0 18.2 27.2





#23

Nitrobenzene-d5

Concen: 83.519 ng

RT: 7.439 min Scan# 891

Delta R.T. -0.006 min

Lab File: BF142964.D

Acq: 02 Jul 2025 11:41

Instrument :

BNA_F

ClientSampleId :

SSTDCCC040

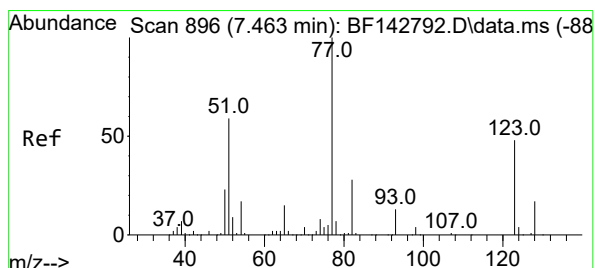
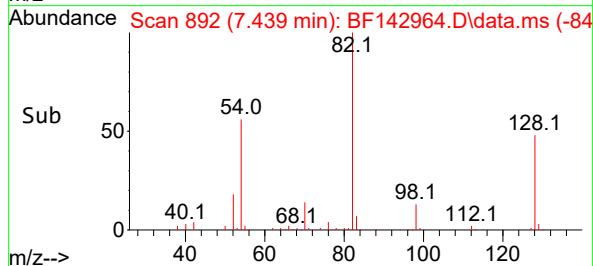
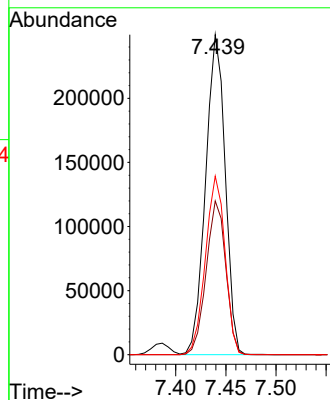
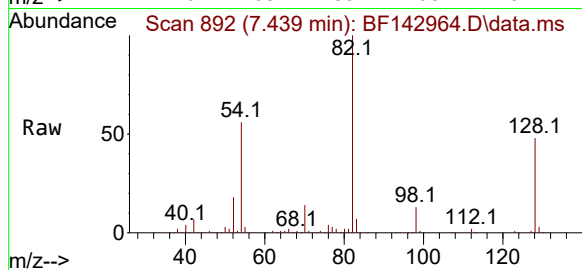
Tgt Ion: 82 Resp: 340484

Ion Ratio Lower Upper

82 100

128 48.0 37.7 56.5

54 55.8 45.7 68.5



#24

Nitrobenzene

Concen: 38.821 ng

RT: 7.457 min Scan# 895

Delta R.T. -0.006 min

Lab File: BF142964.D

Acq: 02 Jul 2025 11:41

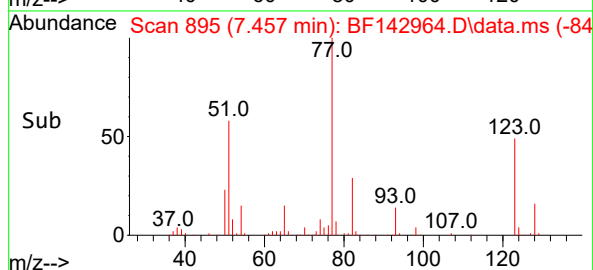
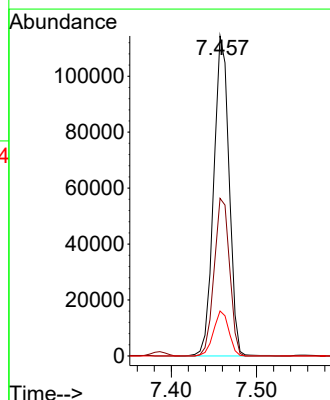
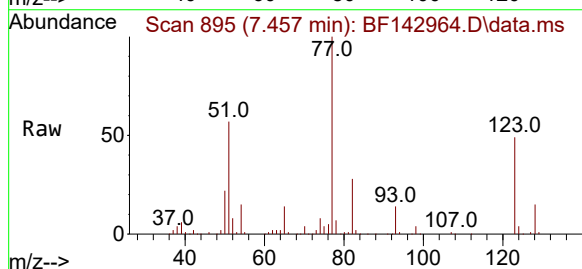
Tgt Ion: 77 Resp: 143245

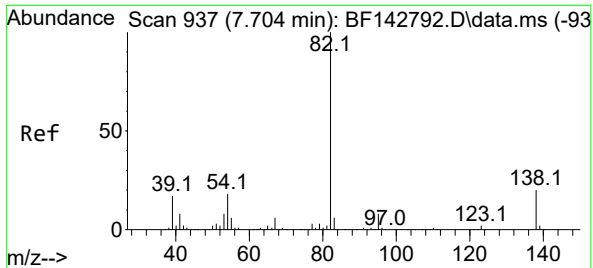
Ion Ratio Lower Upper

77 100

123 49.2 39.2 58.8

65 14.1 11.6 17.4

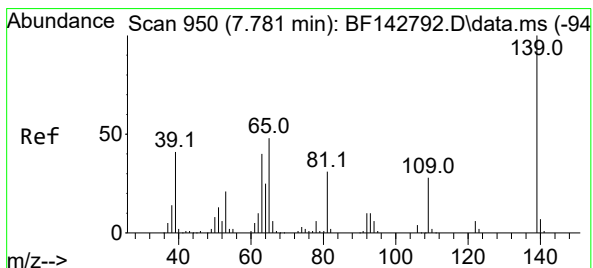
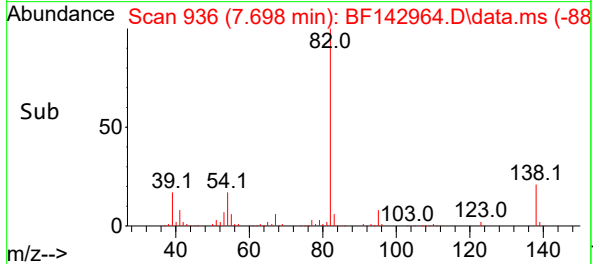
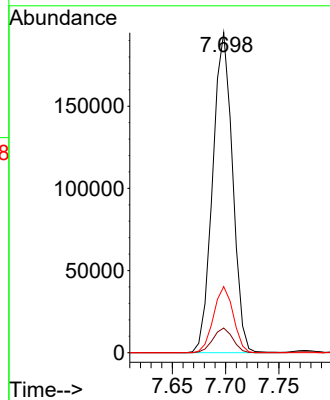
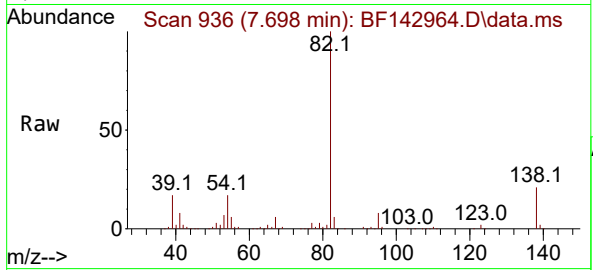




#25
Isophorone
Concen: 38.611 ng
RT: 7.698 min Scan# 91
Delta R.T. -0.006 min
Lab File: BF142964.D
Acq: 02 Jul 2025 11:41

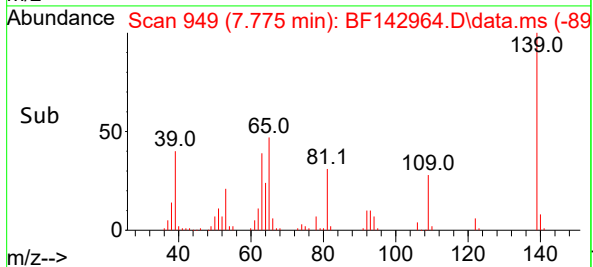
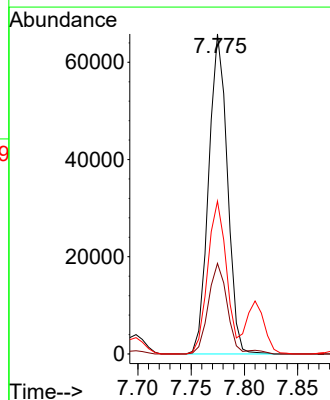
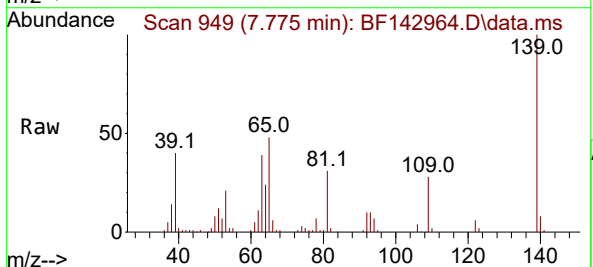
Instrument :
BNA_F
ClientSampleId :
SSTDCCC040

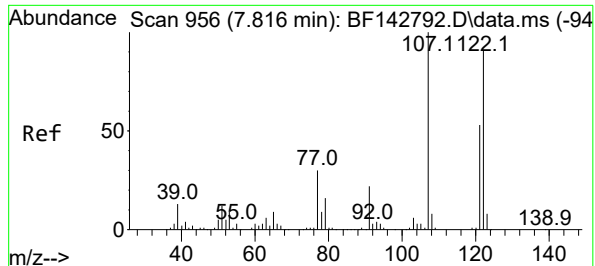
Tgt Ion: 82 Resp: 252508
Ion Ratio Lower Upper
82 100
95 7.7 6.2 9.2
138 20.6 16.2 24.4



#26
2-Nitrophenol
Concen: 39.896 ng
RT: 7.775 min Scan# 949
Delta R.T. -0.006 min
Lab File: BF142964.D
Acq: 02 Jul 2025 11:41

Tgt Ion:139 Resp: 80191
Ion Ratio Lower Upper
139 100
109 28.3 22.7 34.1
65 47.8 38.6 58.0





#27

2,4-Dimethylphenol

Concen: 38.663 ng

RT: 7.810 min Scan# 91

Delta R.T. -0.006 min

Lab File: BF142964.D

Acq: 02 Jul 2025 11:41

Instrument :

BNA_F

ClientSampleId :

SSTDCCC040

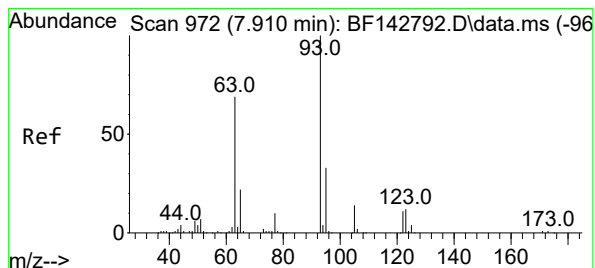
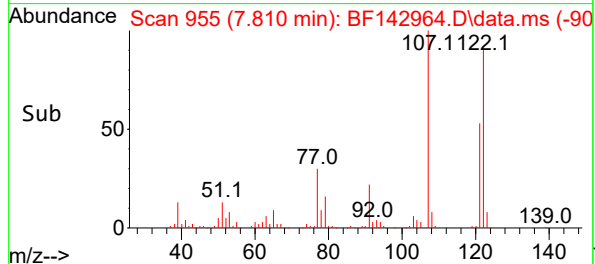
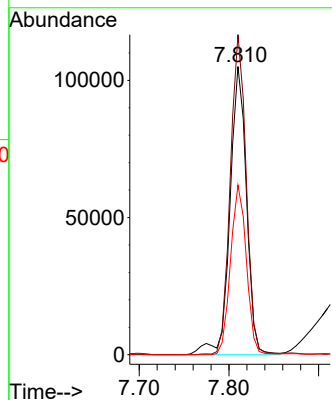
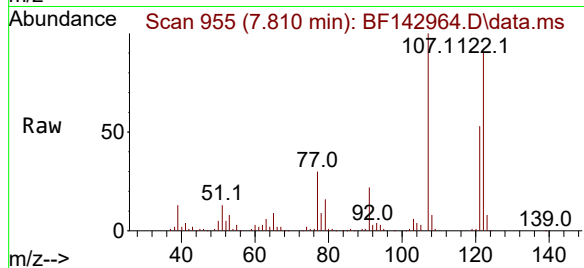
Tgt Ion:122 Resp: 134614

Ion Ratio Lower Upper

122 100

107 111.1 88.0 132.0

121 58.9 46.3 69.5



#28

bis(2-Chloroethoxy)methane

Concen: 38.695 ng

RT: 7.904 min Scan# 971

Delta R.T. -0.006 min

Lab File: BF142964.D

Acq: 02 Jul 2025 11:41

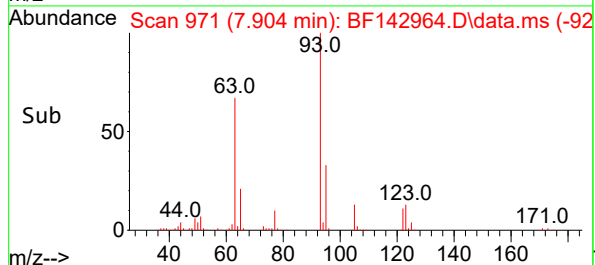
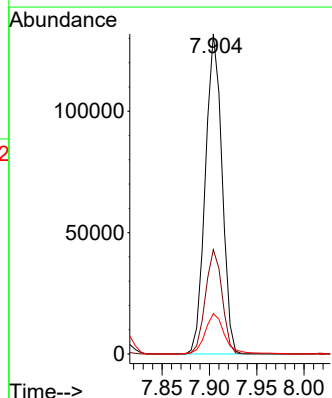
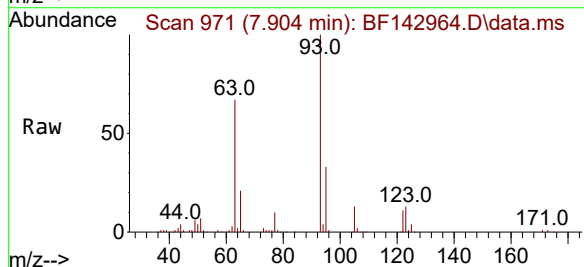
Tgt Ion: 93 Resp: 160881

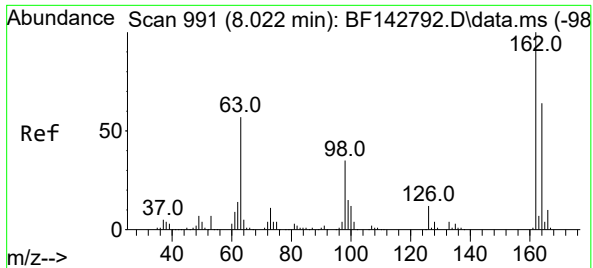
Ion Ratio Lower Upper

93 100

95 32.6 26.2 39.2

123 12.6 9.9 14.9





#29

2,4-Dichlorophenol

Concen: 38.979 ng

RT: 8.016 min Scan# 991

Delta R.T. -0.006 min

Lab File: BF142964.D

Acq: 02 Jul 2025 11:41

Instrument :

BNA_F

ClientSampleId :

SSTDCCC040

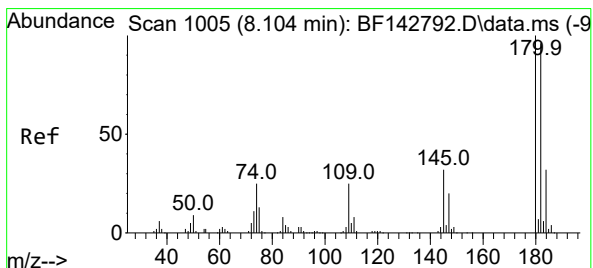
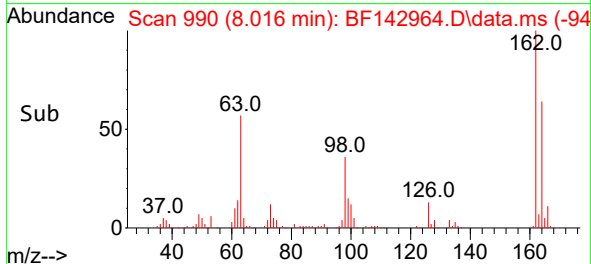
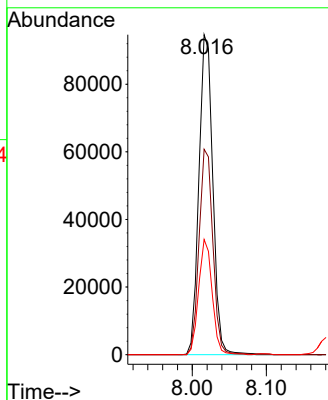
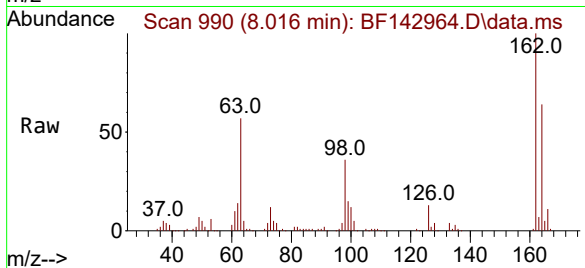
Tgt Ion:162 Resp: 123052

Ion Ratio Lower Upper

162 100

164 64.2 44.0 84.0

98 36.0 15.4 55.4



#30

1,2,4-Trichlorobenzene

Concen: 39.253 ng

RT: 8.098 min Scan# 1004

Delta R.T. -0.006 min

Lab File: BF142964.D

Acq: 02 Jul 2025 11:41

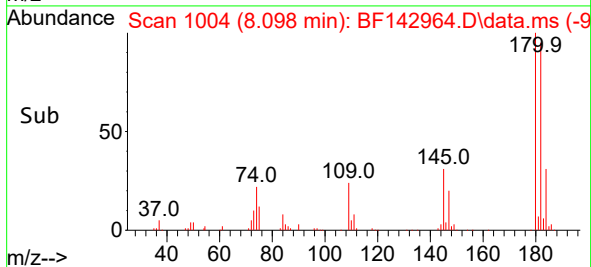
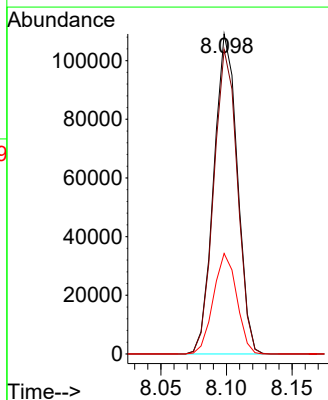
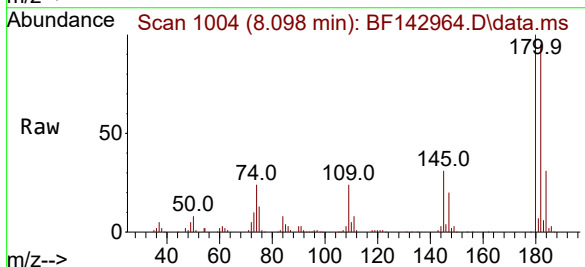
Tgt Ion:180 Resp: 136262

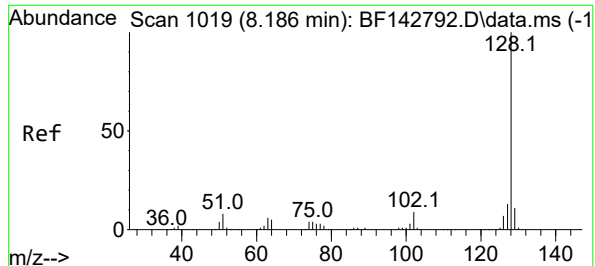
Ion Ratio Lower Upper

180 100

182 95.1 76.4 114.6

145 31.4 25.8 38.8





#31

Naphthalene

Concen: 38.685 ng

RT: 8.181 min Scan# 1019

Delta R.T. -0.006 min

Lab File: BF142964.D

Acq: 02 Jul 2025 11:41

Instrument :

BNA_F

ClientSampleId :

SSTDCCC040

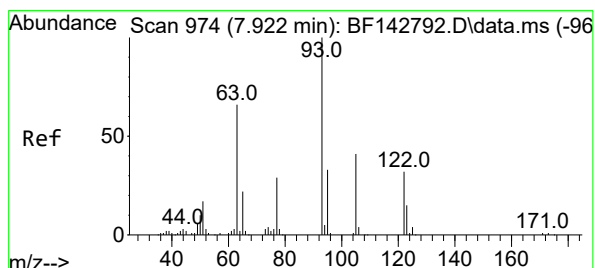
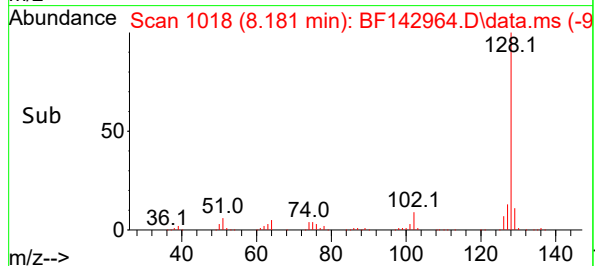
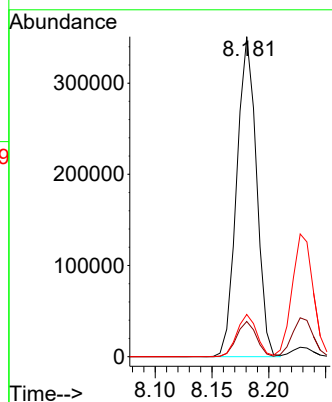
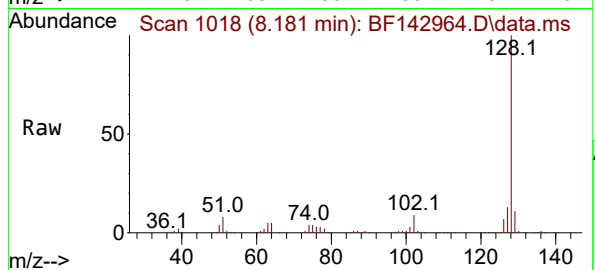
Tgt Ion:128 Resp: 423430

Ion Ratio Lower Upper

128 100

129 11.0 8.9 13.3

127 13.2 10.4 15.6



#32

Benzoic acid

Concen: 35.216 ng

RT: 7.922 min Scan# 974

Delta R.T. 0.000 min

Lab File: BF142964.D

Acq: 02 Jul 2025 11:41

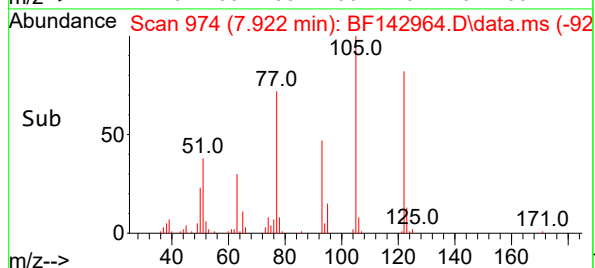
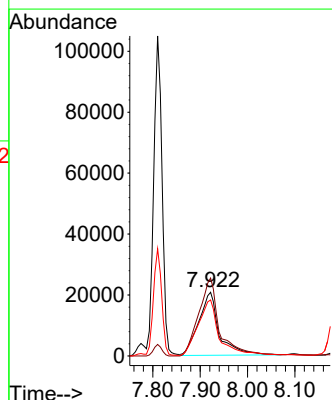
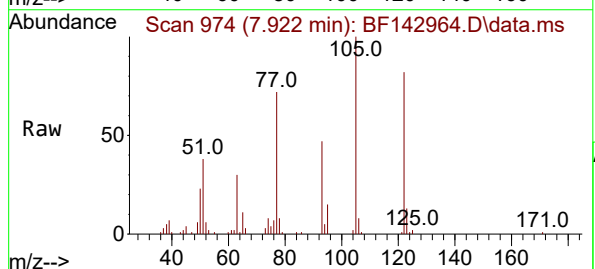
Tgt Ion:122 Resp: 62494

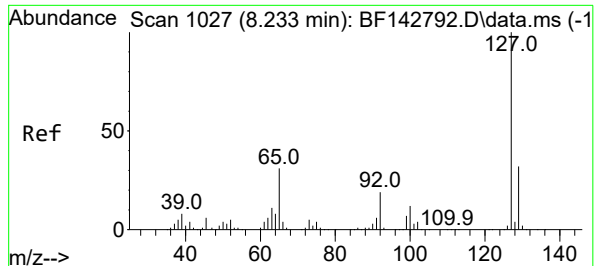
Ion Ratio Lower Upper

122 100

105 122.4 104.7 144.7

77 88.0 70.2 110.2





#33

4-Chloroaniline

Concen: 39.223 ng

RT: 8.228 min Scan# 1026

Delta R.T. -0.006 min

Lab File: BF142964.D

Acq: 02 Jul 2025 11:41

Instrument :

BNA_F

ClientSampleId :

SSTDCCC040

Tgt Ion:127 Resp: 174568

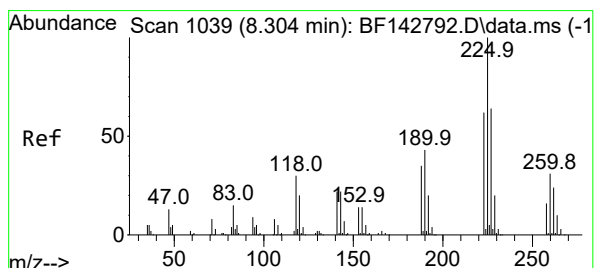
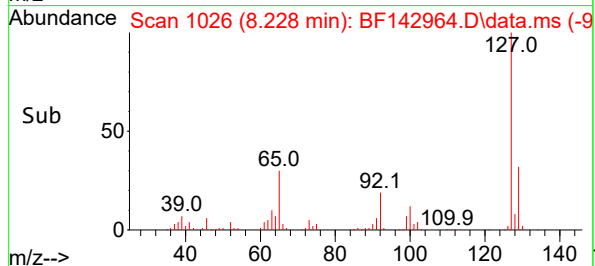
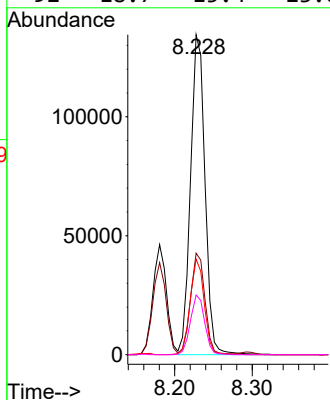
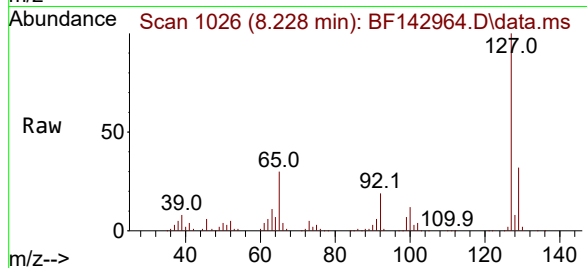
Ion Ratio Lower Upper

127 100

129 31.7 25.9 38.9

65 29.8 24.6 36.8

92 18.7 15.4 23.0



#34

Hexachlorobutadiene

Concen: 39.233 ng

RT: 8.292 min Scan# 1037

Delta R.T. -0.012 min

Lab File: BF142964.D

Acq: 02 Jul 2025 11:41

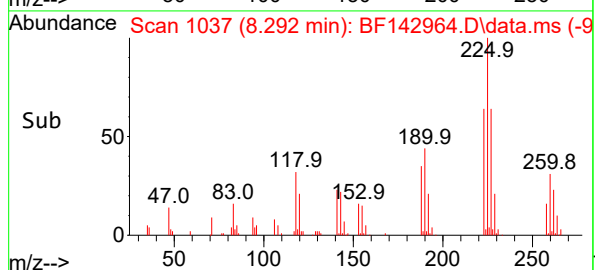
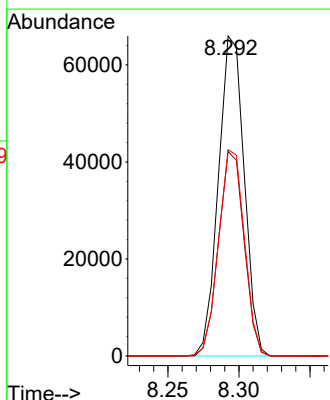
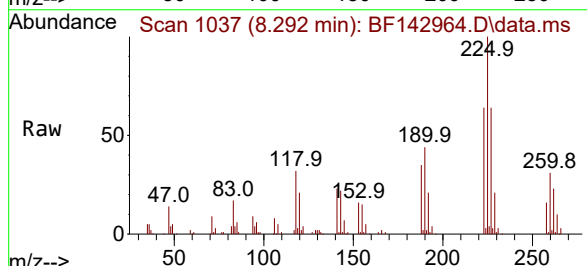
Tgt Ion:225 Resp: 83307

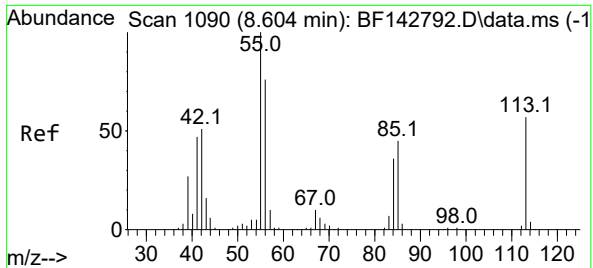
Ion Ratio Lower Upper

225 100

223 63.9 49.9 74.9

227 64.4 51.4 77.0

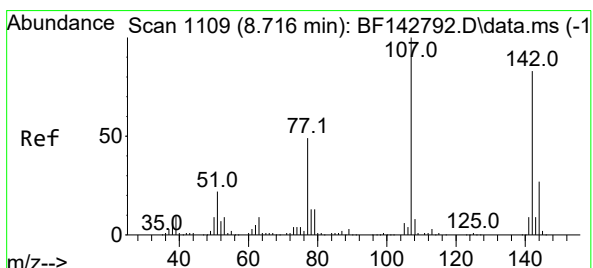
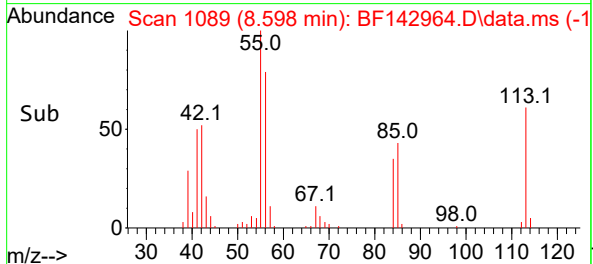
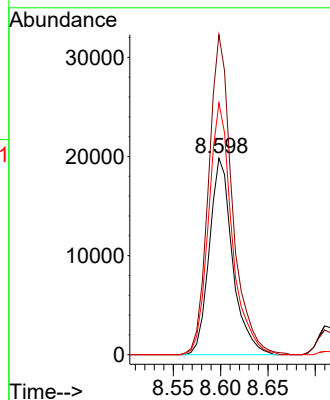
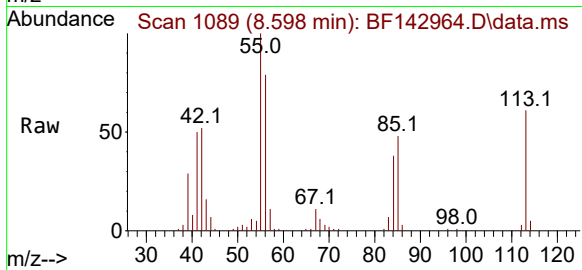




#35
Caprolactam
Concen: 40.458 ng
RT: 8.598 min Scan# 1089
Delta R.T. -0.006 min
Lab File: BF142964.D
Acq: 02 Jul 2025 11:41

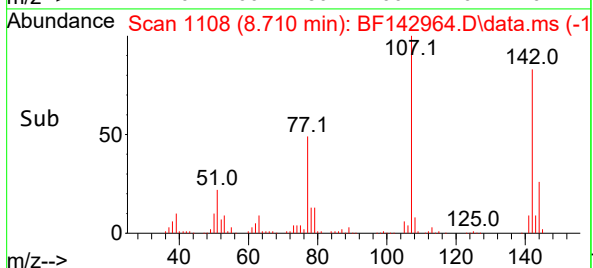
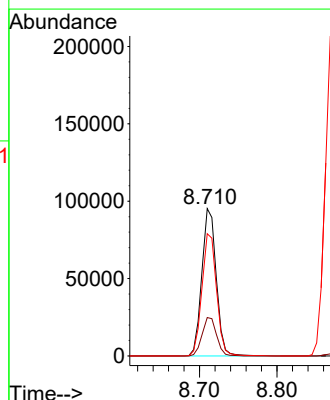
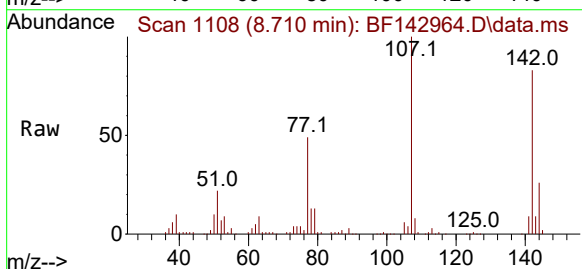
Instrument :
BNA_F
ClientSampleId :
SSTDCCC040

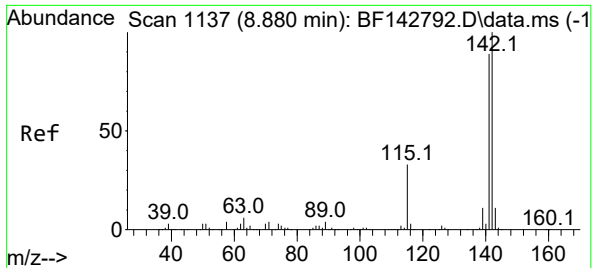
Tgt Ion:113 Resp: 33703
Ion Ratio Lower Upper
113 100
55 162.9 154.4 194.4
56 128.2 112.1 152.1



#36
4-Chloro-3-methylphenol
Concen: 39.235 ng
RT: 8.710 min Scan# 1108
Delta R.T. -0.006 min
Lab File: BF142964.D
Acq: 02 Jul 2025 11:41

Tgt Ion:107 Resp: 123098
Ion Ratio Lower Upper
107 100
144 26.0 21.3 31.9
142 83.0 66.6 100.0

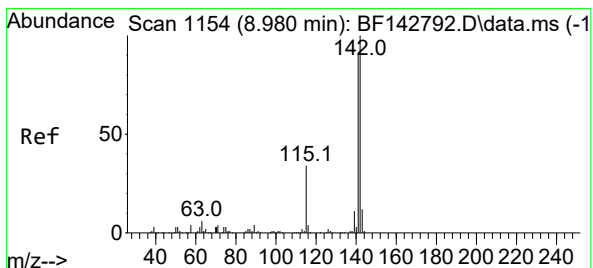
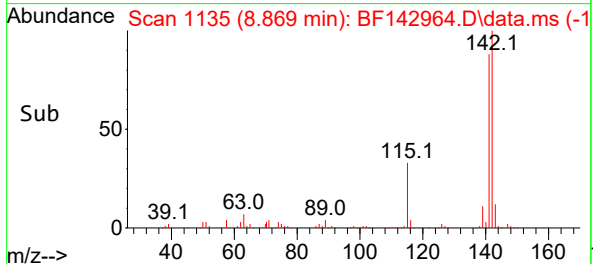
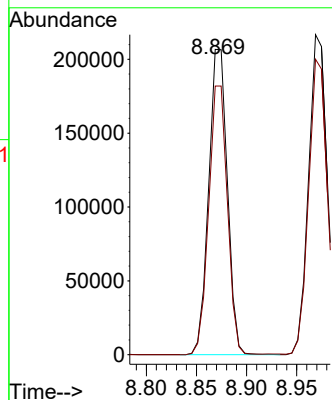
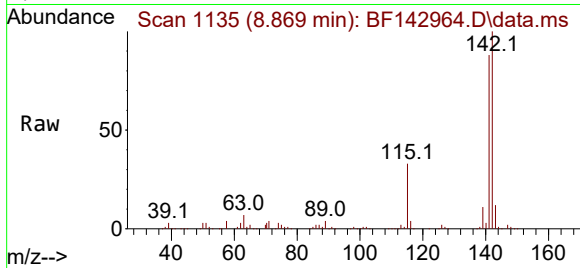




#37
2-Methylnaphthalene
Concen: 39.587 ng
RT: 8.869 min Scan# 1135
Delta R.T. -0.012 min
Lab File: BF142964.D
Acq: 02 Jul 2025 11:41

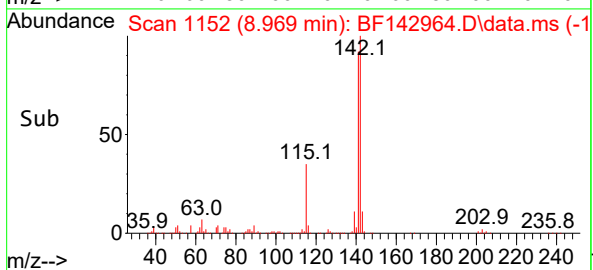
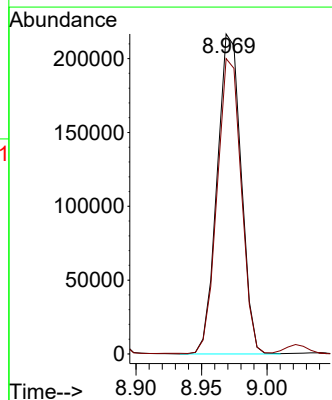
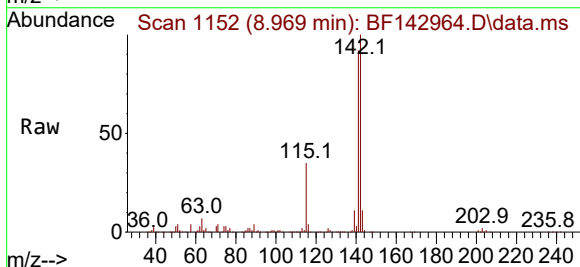
Instrument :
BNA_F
ClientSampleId :
SSTDCCC040

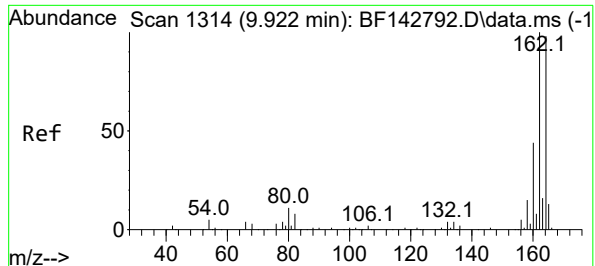
Tgt Ion:142 Resp: 268630
Ion Ratio Lower Upper
142 100
141 88.0 70.9 106.3



#38
1-Methylnaphthalene
Concen: 39.278 ng
RT: 8.969 min Scan# 1152
Delta R.T. -0.012 min
Lab File: BF142964.D
Acq: 02 Jul 2025 11:41

Tgt Ion:142 Resp: 275913
Ion Ratio Lower Upper
142 100
141 92.3 73.0 109.4





#39

Acenaphthene-d10

Concen: 20.000 ng

RT: 9.916 min Scan# 1164

Delta R.T. -0.006 min

Lab File: BF142964.D

Acq: 02 Jul 2025 11:41

Instrument :

BNA_F

ClientSampleId :

SSTDCCC040

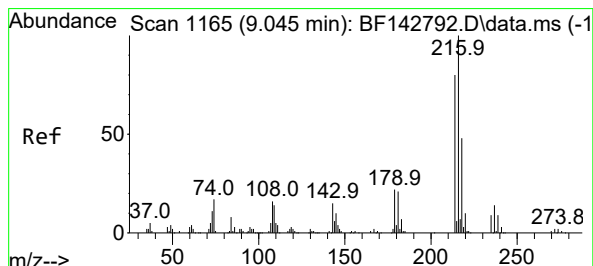
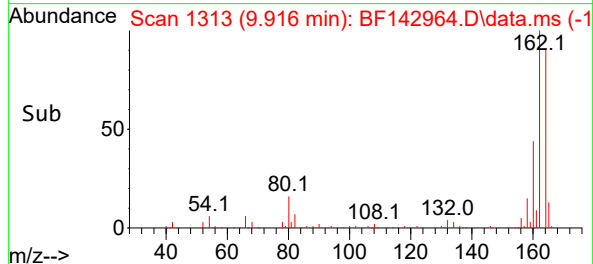
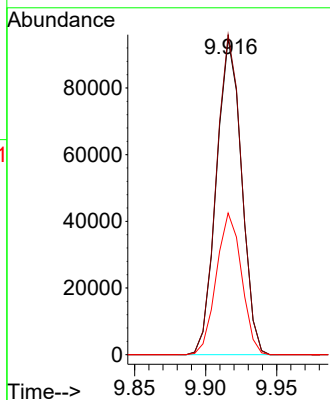
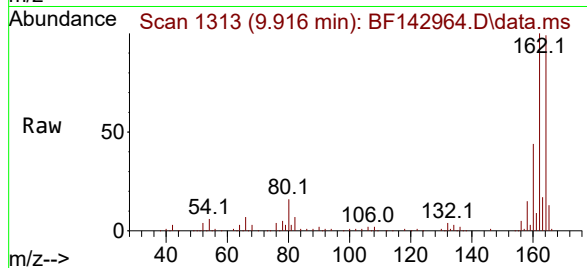
Tgt Ion:164 Resp: 116653

Ion Ratio Lower Upper

164 100

162 101.3 81.8 122.8

160 44.8 36.0 54.0



#40

1,2,4,5-Tetrachlorobenzene

Concen: 39.828 ng

RT: 9.039 min Scan# 1164

Delta R.T. -0.006 min

Lab File: BF142964.D

Acq: 02 Jul 2025 11:41

Tgt Ion:216 Resp: 137091

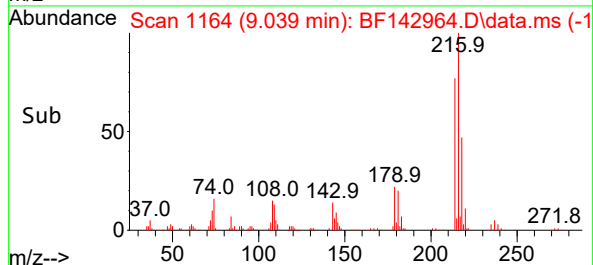
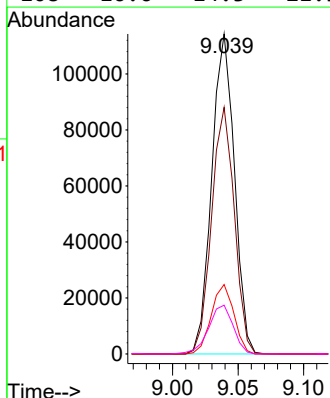
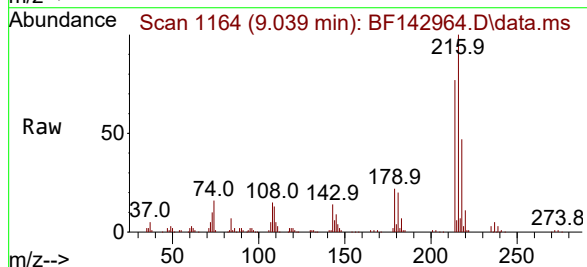
Ion Ratio Lower Upper

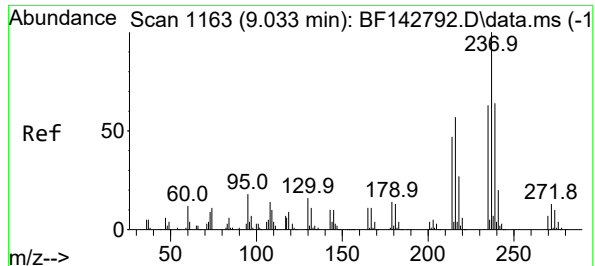
216 100

214 77.2 63.7 95.5

179 21.7 17.6 26.4

108 16.6 14.3 21.5





#41

Hexachlorocyclopentadiene

Concen: 31.704 ng

RT: 9.022 min Scan# 1161

Delta R.T. -0.012 min

Lab File: BF142964.D

Acq: 02 Jul 2025 11:41

Instrument :

BNA_F

ClientSampleId :

SSTDCCC040

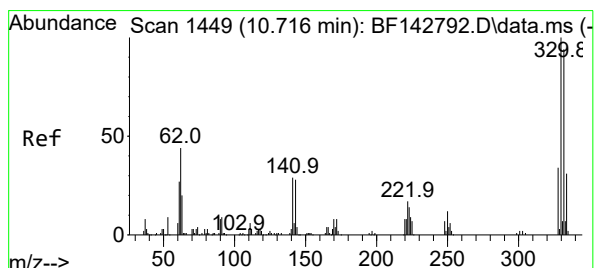
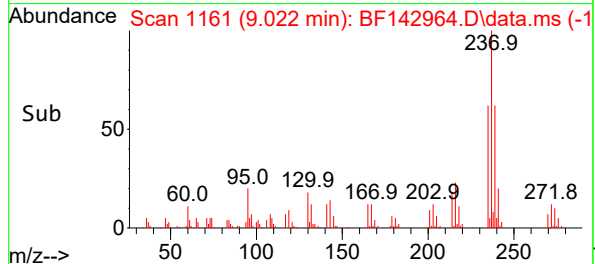
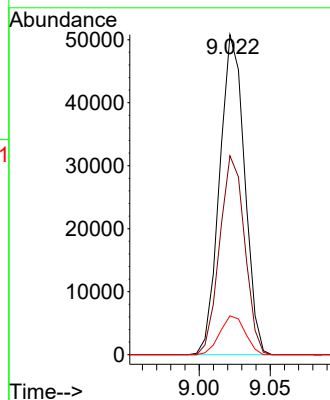
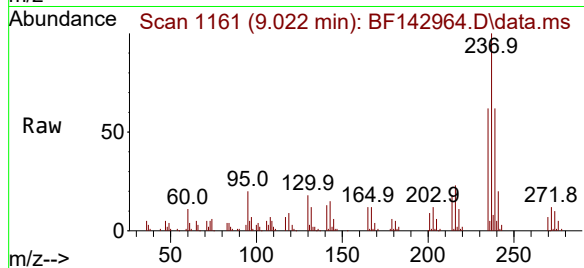
Tgt Ion:237 Resp: 61927

Ion Ratio Lower Upper

237 100

235 62.2 43.4 83.4

272 12.2 0.0 32.7



#42

2,4,6-Tribromophenol

Concen: 79.070 ng

RT: 10.710 min Scan# 1448

Delta R.T. -0.006 min

Lab File: BF142964.D

Acq: 02 Jul 2025 11:41

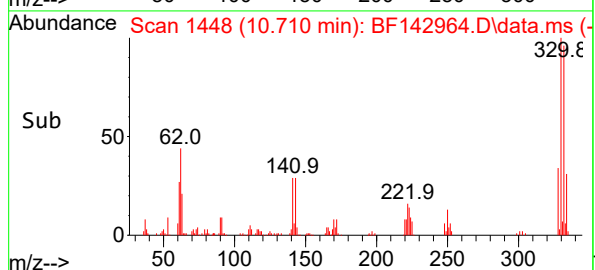
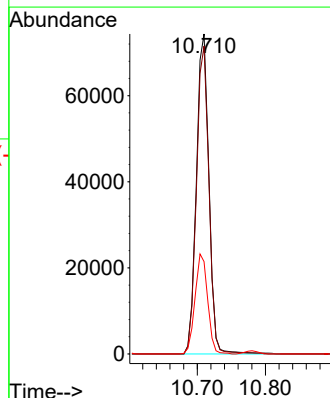
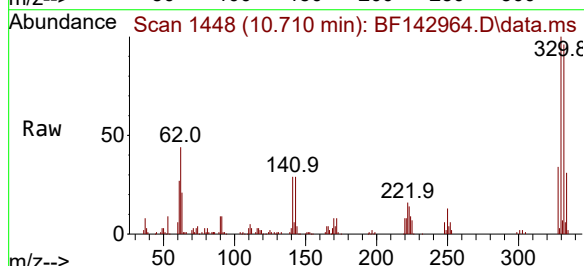
Tgt Ion:330 Resp: 94919

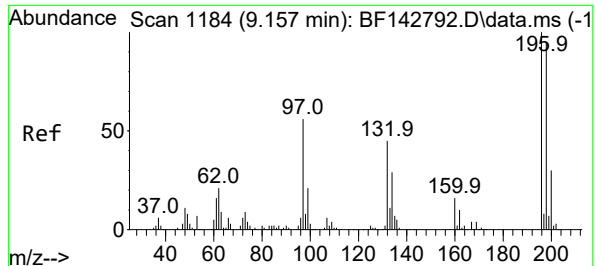
Ion Ratio Lower Upper

330 100

332 95.5 75.0 112.6

141 31.4 25.3 37.9





#43

2,4,6-Trichlorophenol

Concen: 38.549 ng

RT: 9.151 min Scan# 1183

Delta R.T. -0.006 min

Lab File: BF142964.D

Acq: 02 Jul 2025 11:41

Instrument :

BNA_F

ClientSampleId :

SSTDCCC040

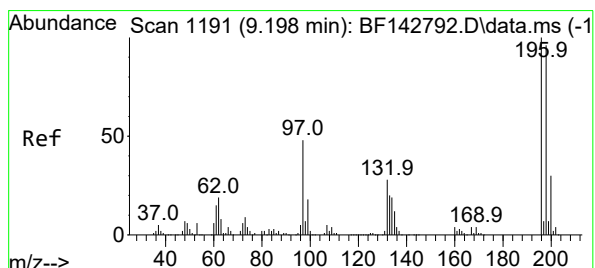
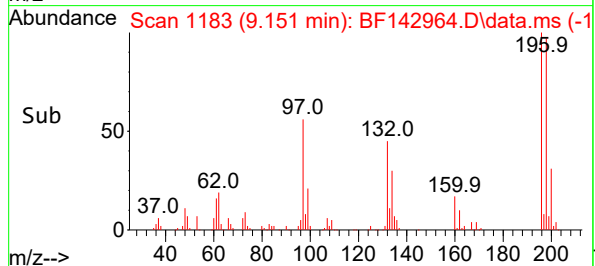
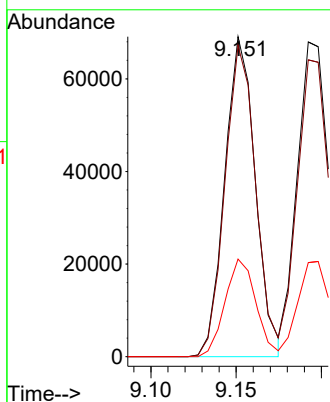
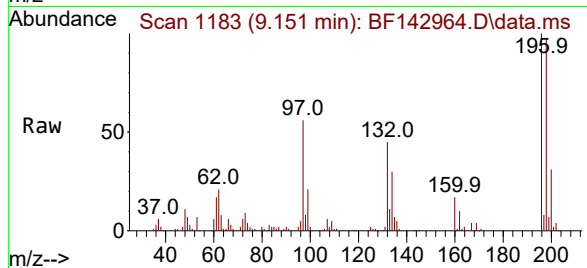
Tgt Ion:196 Resp: 86463

Ion Ratio Lower Upper

196 100

198 97.3 76.2 114.2

200 30.5 24.1 36.1



#44

2,4,5-Trichlorophenol

Concen: 38.640 ng

RT: 9.192 min Scan# 1190

Delta R.T. -0.006 min

Lab File: BF142964.D

Acq: 02 Jul 2025 11:41

Tgt Ion:196 Resp: 91232

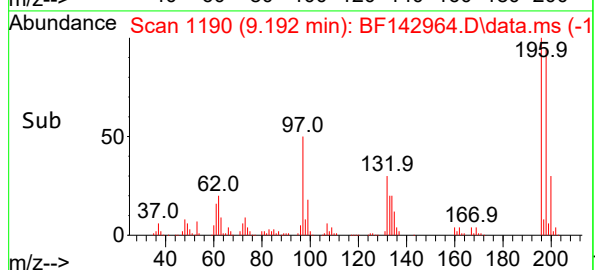
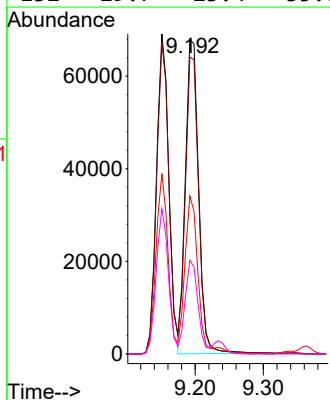
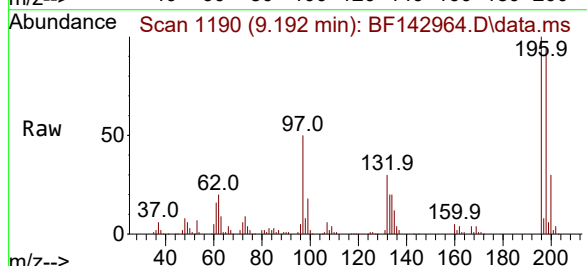
Ion Ratio Lower Upper

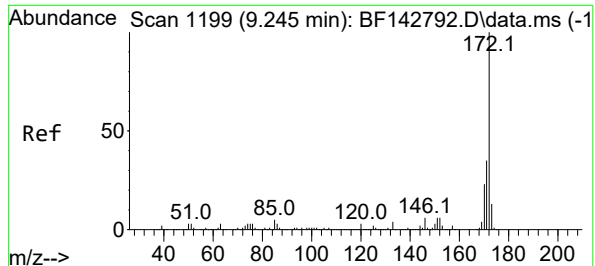
196 100

198 94.3 76.6 115.0

97 50.1 38.2 57.2

132 29.7 23.4 35.0





#45

2-Fluorobiphenyl

Concen: 83.974 ng

RT: 9.233 min Scan# 1199

Delta R.T. -0.012 min

Lab File: BF142964.D

Acq: 02 Jul 2025 11:41

Instrument :

BNA_F

ClientSampleId :

SSTDCCC040

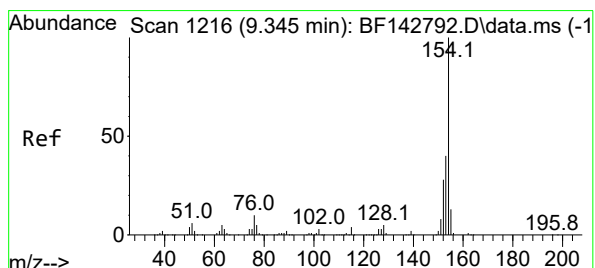
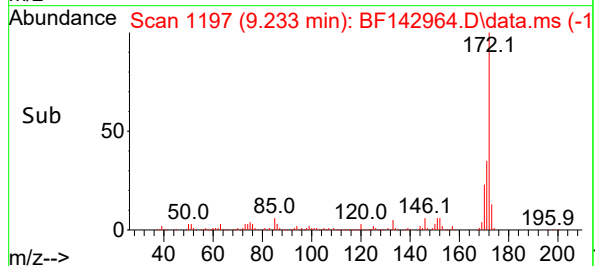
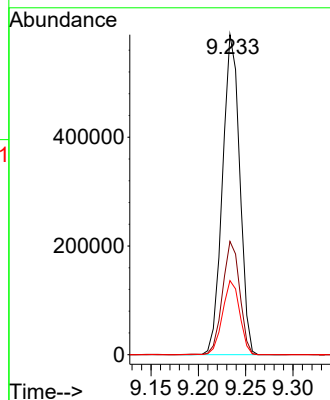
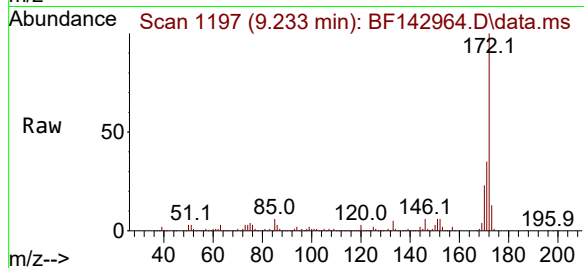
Tgt Ion:172 Resp: 745681

Ion Ratio Lower Upper

172 100

171 35.4 28.2 42.4

170 23.1 18.5 27.7



#46

1,1'-Biphenyl

Concen: 39.088 ng

RT: 9.333 min Scan# 1214

Delta R.T. -0.012 min

Lab File: BF142964.D

Acq: 02 Jul 2025 11:41

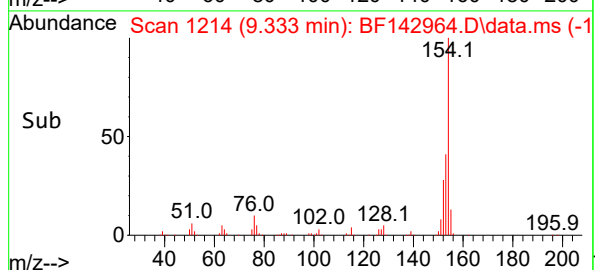
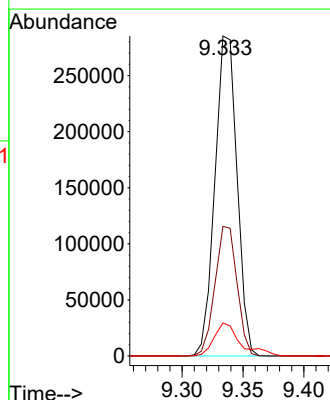
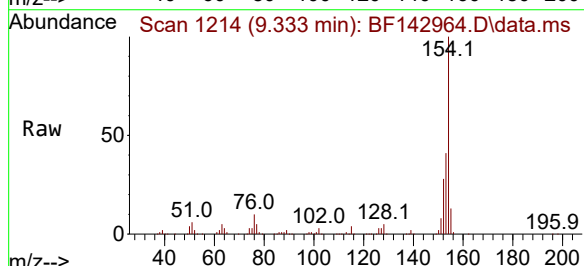
Tgt Ion:154 Resp: 360192

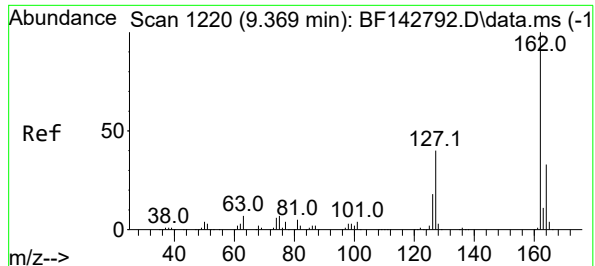
Ion Ratio Lower Upper

154 100

153 40.5 20.3 60.3

76 10.3 0.0 30.3





#47

2-Chloronaphthalene

Concen: 38.477 ng

RT: 9.363 min Scan# 1219

Delta R.T. -0.006 min

Lab File: BF142964.D

Acq: 02 Jul 2025 11:41

Instrument :

BNA_F

ClientSampleId :

SSTDCCC040

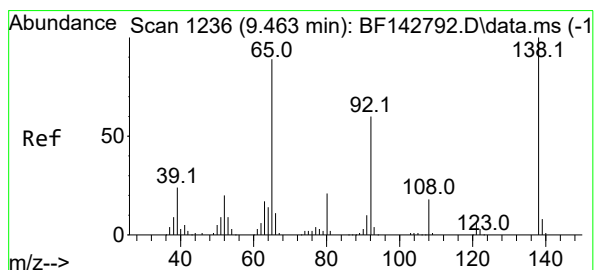
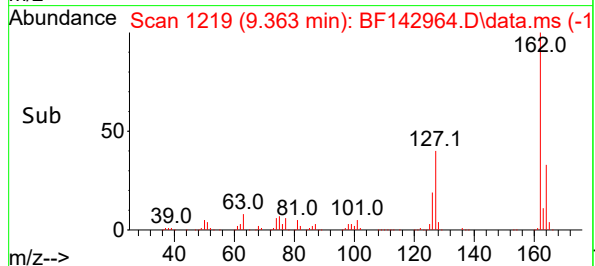
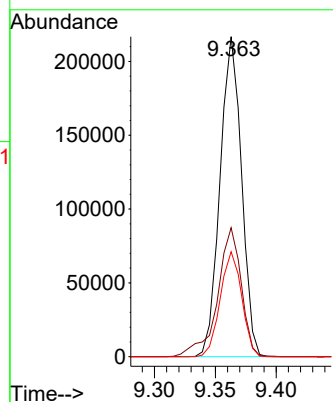
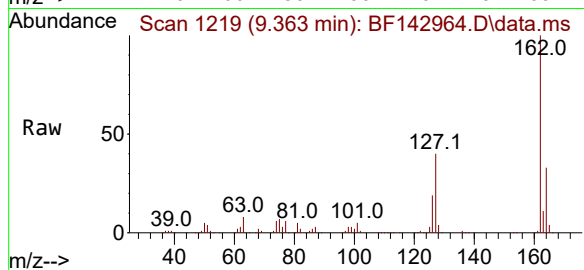
Tgt Ion:162 Resp: 266073

Ion Ratio Lower Upper

162 100

127 40.3 32.2 48.2

164 32.8 26.1 39.1



#48

2-Nitroaniline

Concen: 39.215 ng

RT: 9.457 min Scan# 1235

Delta R.T. -0.006 min

Lab File: BF142964.D

Acq: 02 Jul 2025 11:41

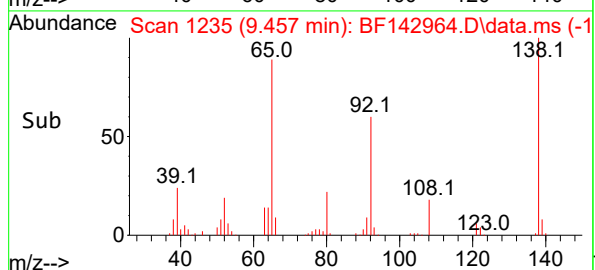
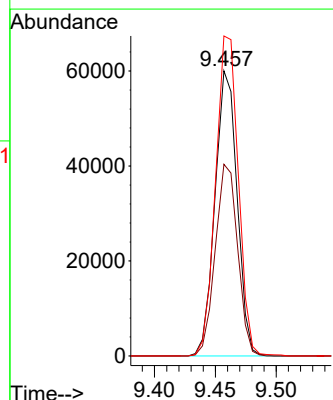
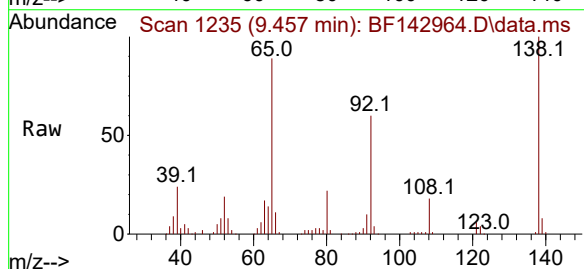
Tgt Ion: 65 Resp: 76026

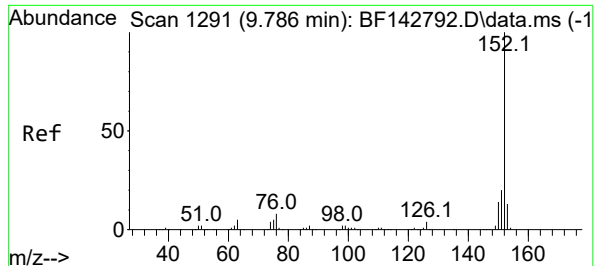
Ion Ratio Lower Upper

65 100

92 67.2 53.8 80.6

138 112.2 89.6 134.4





#49

Acenaphthylene

Concen: 38.960 ng

RT: 9.780 min Scan# 11

Delta R.T. -0.006 min

Lab File: BF142964.D

Acq: 02 Jul 2025 11:41

Instrument :

BNA_F

ClientSampleId :

SSTDCCC040

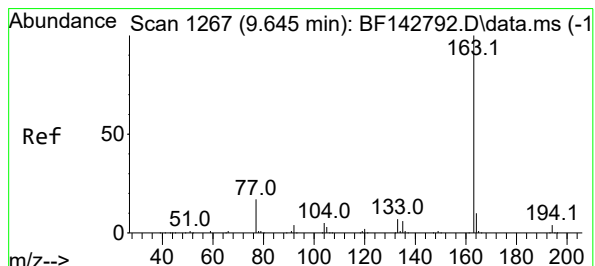
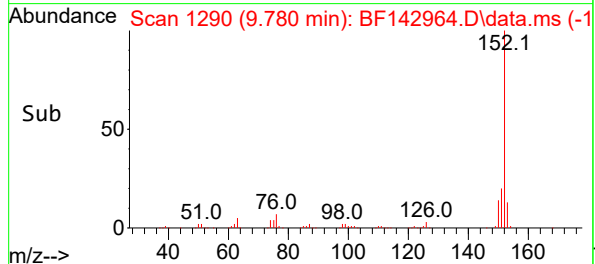
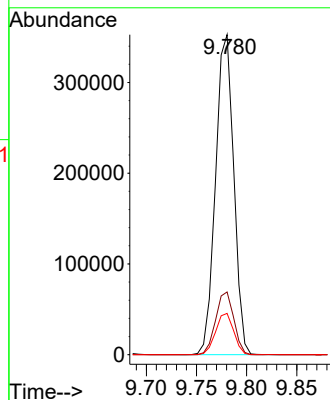
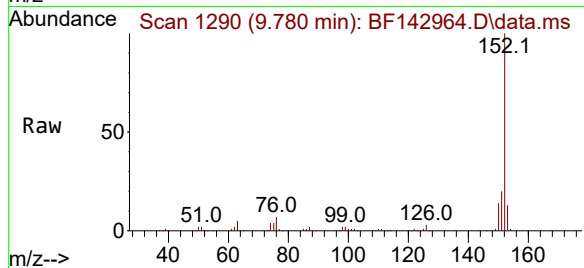
Tgt Ion:152 Resp: 443514

Ion Ratio Lower Upper

152 100

151 19.6 16.1 24.1

153 12.9 10.4 15.6



#50

Dimethylphthalate

Concen: 39.199 ng

RT: 9.633 min Scan# 1265

Delta R.T. -0.012 min

Lab File: BF142964.D

Acq: 02 Jul 2025 11:41

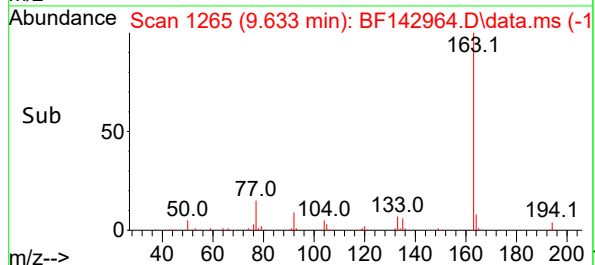
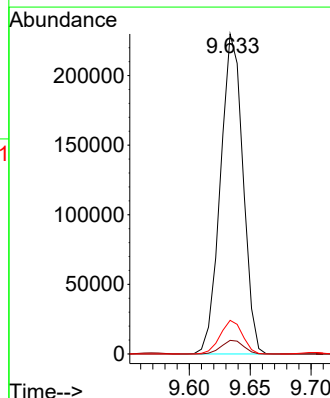
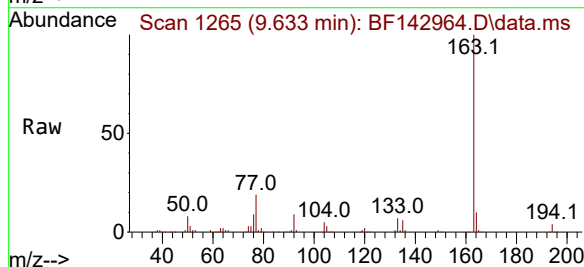
Tgt Ion:163 Resp: 295995

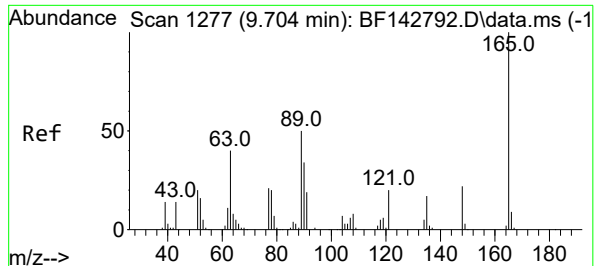
Ion Ratio Lower Upper

163 100

194 4.2 3.3 4.9

164 10.5 8.0 12.0

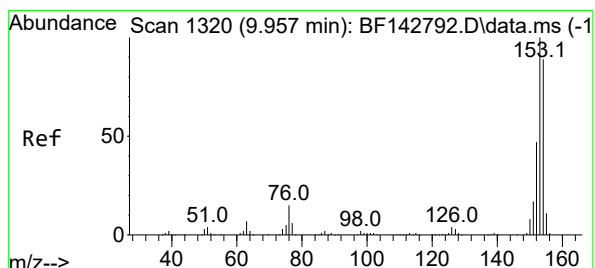
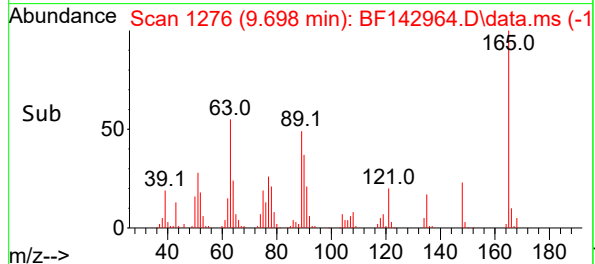
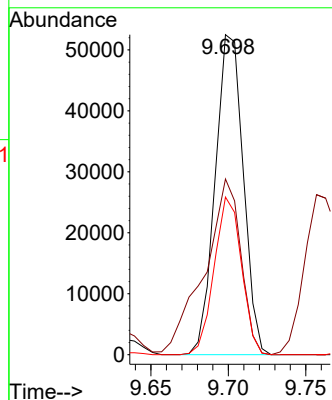
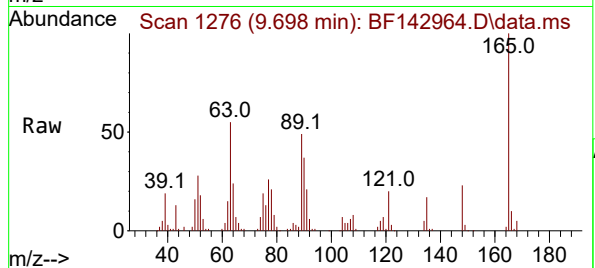




#51
2,6-Dinitrotoluene
Concen: 39.921 ng
RT: 9.698 min Scan# 1319
Delta R.T. -0.006 min
Lab File: BF142964.D
Acq: 02 Jul 2025 11:41

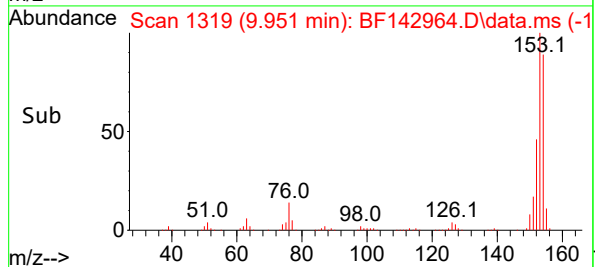
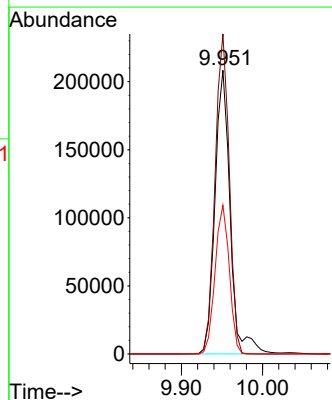
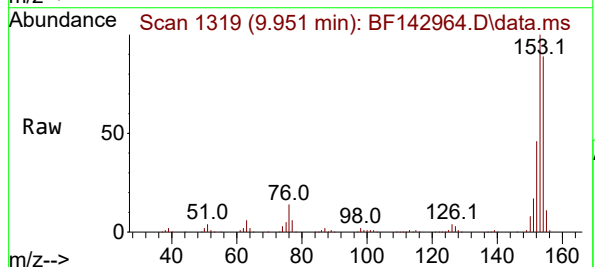
Instrument :
BNA_F
ClientSampleId :
SSTDCCC040

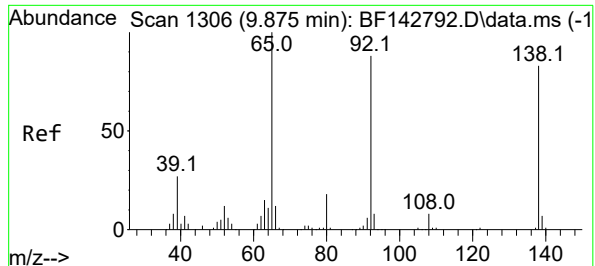
Tgt Ion:165 Resp: 66200
Ion Ratio Lower Upper
165 100
63 54.9 44.2 66.4
89 49.2 39.8 59.8



#52
Acenaphthene
Concen: 39.023 ng
RT: 9.951 min Scan# 1319
Delta R.T. -0.006 min
Lab File: BF142964.D
Acq: 02 Jul 2025 11:41

Tgt Ion:154 Resp: 271033
Ion Ratio Lower Upper
154 100
153 112.8 90.0 135.0
152 52.4 41.9 62.9





#53

3-Nitroaniline

Concen: 40.037 ng

RT: 9.869 min Scan# 11

Delta R.T. -0.006 min

Lab File: BF142964.D

Acq: 02 Jul 2025 11:41

Instrument :

BNA_F

ClientSampleId :

SSTDCCC040

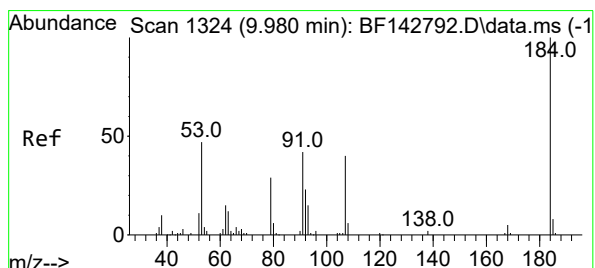
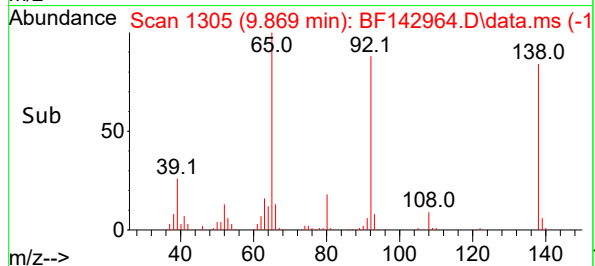
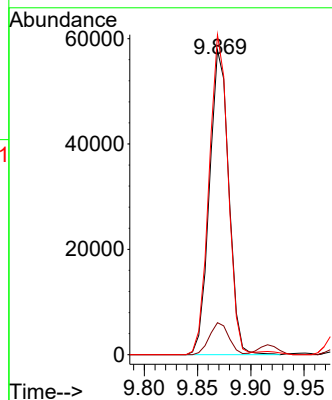
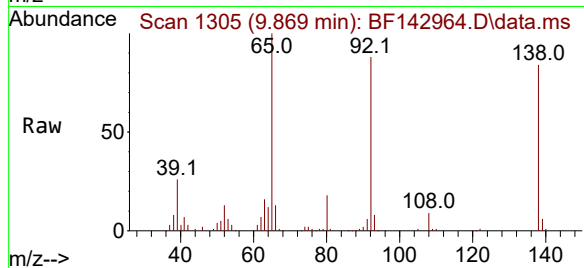
Tgt Ion:138 Resp: 73098

Ion Ratio Lower Upper

138 100

108 10.5 8.1 12.1

92 105.0 85.1 127.7



#54

2,4-Dinitrophenol

Concen: 34.414 ng

RT: 9.980 min Scan# 1324

Delta R.T. 0.000 min

Lab File: BF142964.D

Acq: 02 Jul 2025 11:41

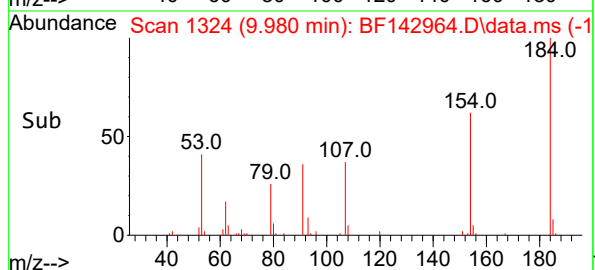
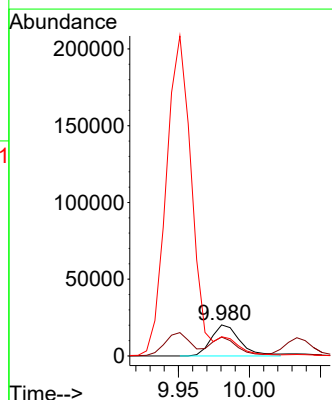
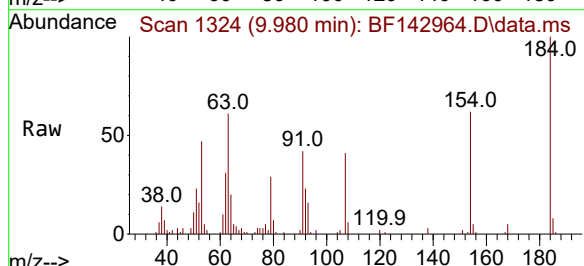
Tgt Ion:184 Resp: 28575

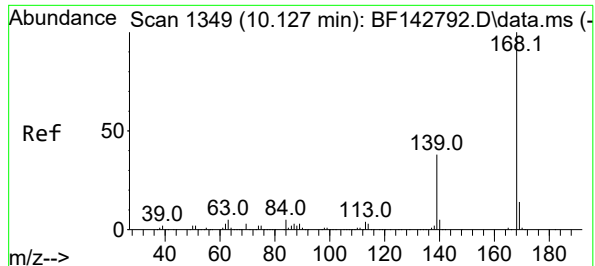
Ion Ratio Lower Upper

184 100

63 60.7 50.6 75.8

154 62.1 51.8 77.8





#55

Dibenzenofuran

Concen: 38.685 ng

RT: 10.122 min Scan# 1349

Delta R.T. -0.006 min

Lab File: BF142964.D

Acq: 02 Jul 2025 11:41

Instrument :

BNA_F

ClientSampleId :

SSTDCCC040

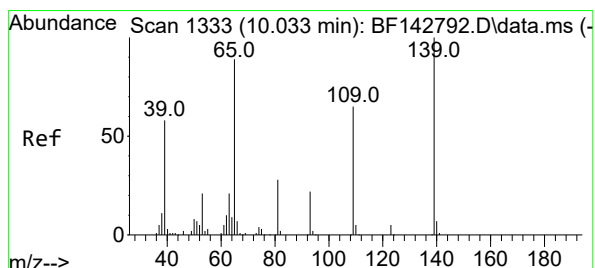
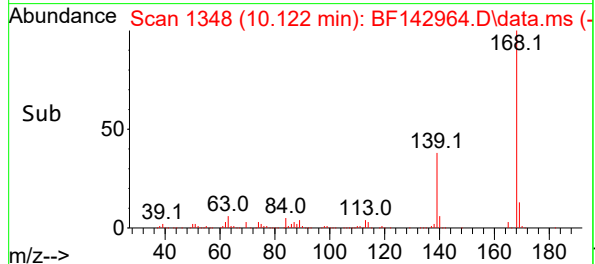
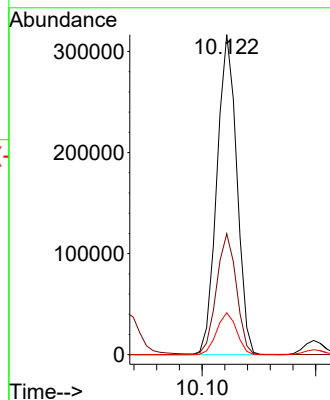
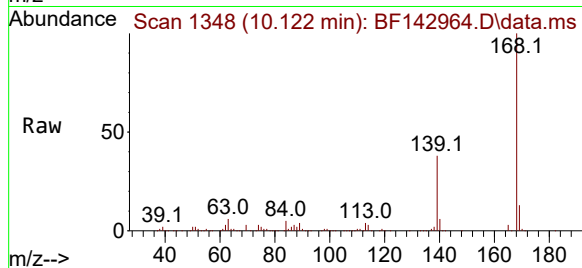
Tgt Ion:168 Resp: 385288

Ion Ratio Lower Upper

168 100

139 37.8 30.2 45.4

169 13.1 10.8 16.2



#56

4-Nitrophenol

Concen: 45.854 ng

RT: 10.033 min Scan# 1333

Delta R.T. 0.000 min

Lab File: BF142964.D

Acq: 02 Jul 2025 11:41

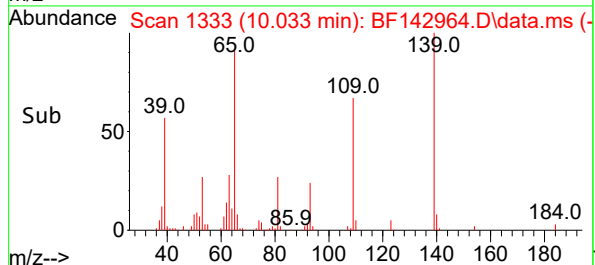
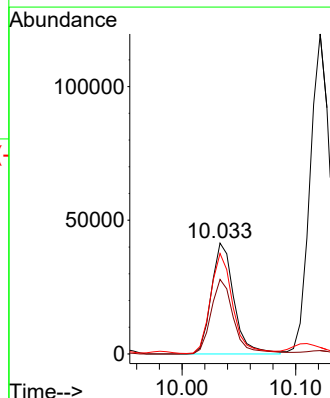
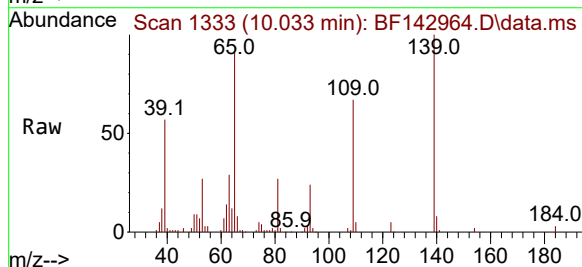
Tgt Ion:139 Resp: 57314

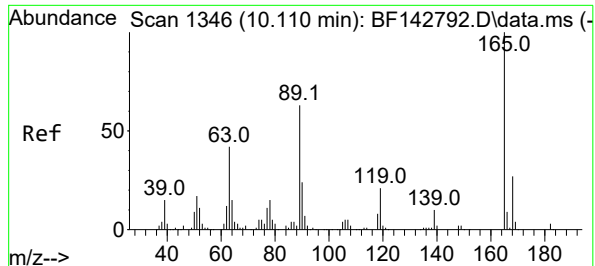
Ion Ratio Lower Upper

139 100

109 67.3 44.7 84.7

65 90.6 69.8 109.8

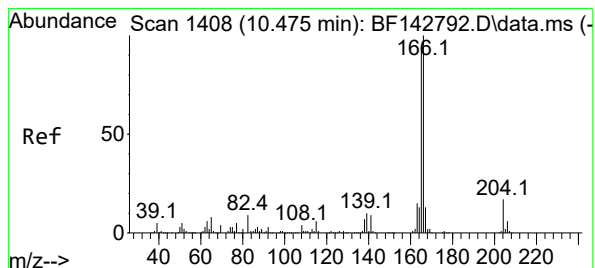
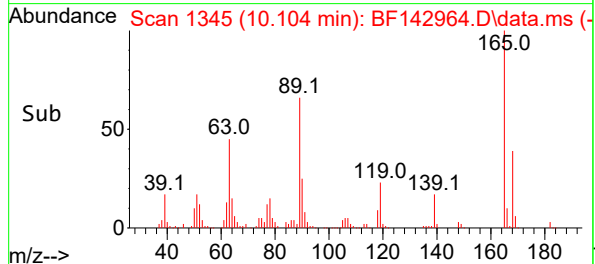
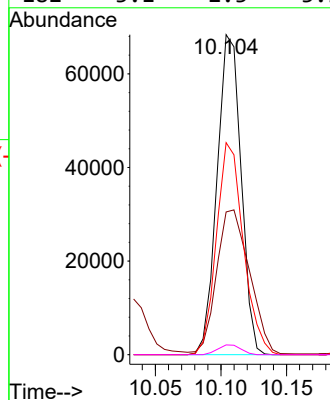
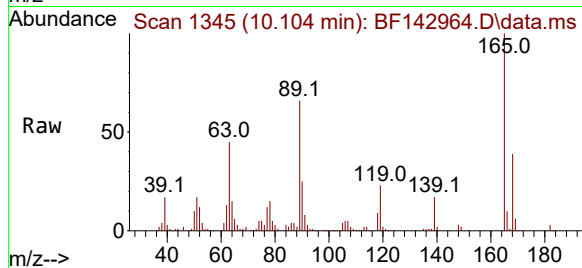




#57
2,4-Dinitrotoluene
Concen: 39.544 ng
RT: 10.104 min Scan# 11
Delta R.T. -0.006 min
Lab File: BF142964.D
Acq: 02 Jul 2025 11:41

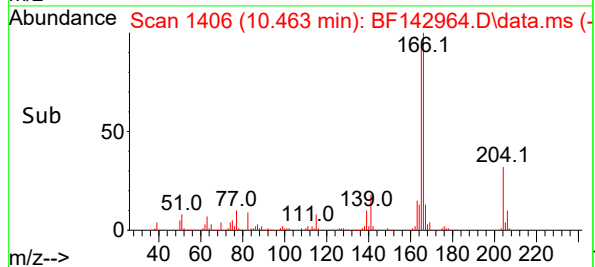
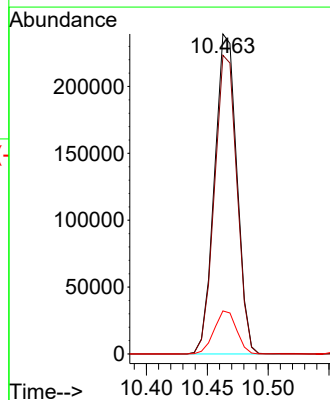
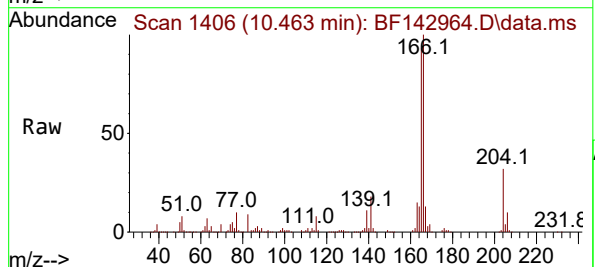
Instrument :
BNA_F
ClientSampleId :
SSTDCCC040

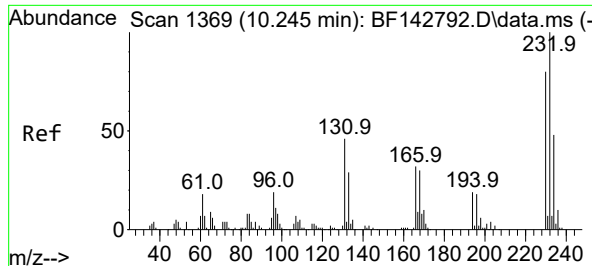
Tgt Ion:165 Resp: 87102
Ion Ratio Lower Upper
165 100
63 44.6 33.9 50.9
89 66.3 50.6 75.8
182 3.1 2.3 3.5



#58
Fluorene
Concen: 39.391 ng
RT: 10.463 min Scan# 1406
Delta R.T. -0.012 min
Lab File: BF142964.D
Acq: 02 Jul 2025 11:41

Tgt Ion:166 Resp: 306402
Ion Ratio Lower Upper
166 100
165 93.3 75.2 112.8
167 13.5 10.6 15.8

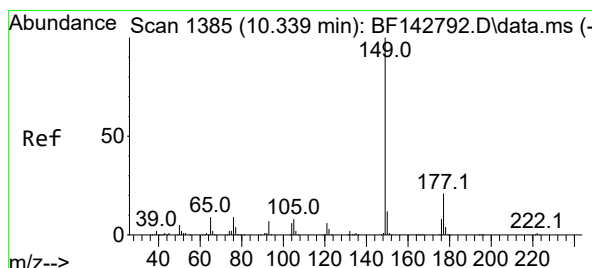
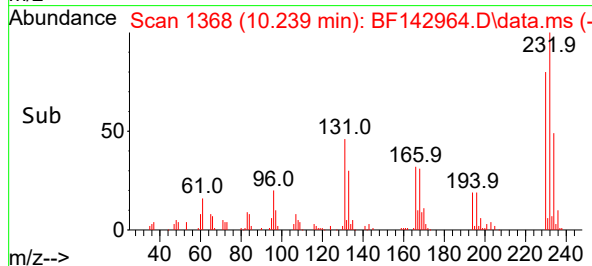
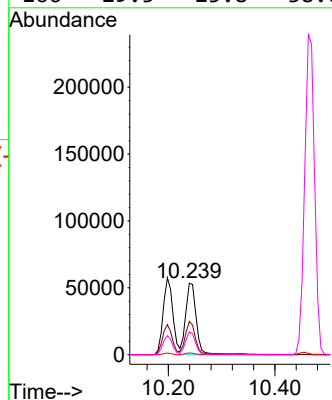
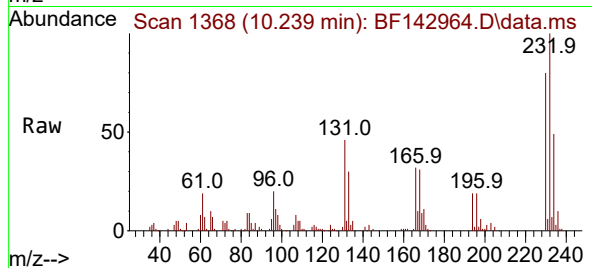




#59
2,3,4,6-Tetrachlorophenol
Concen: 38.594 ng
RT: 10.239 min Scan# 1368
Delta R.T. -0.006 min
Lab File: BF142964.D
Acq: 02 Jul 2025 11:41

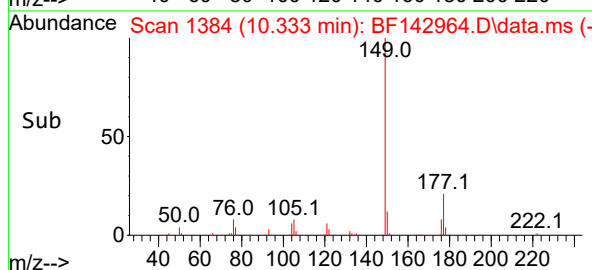
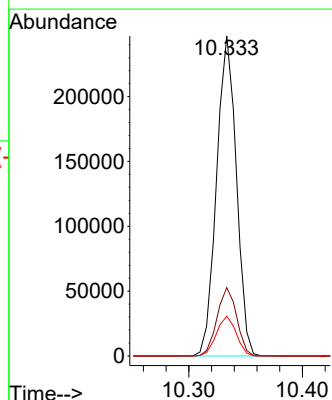
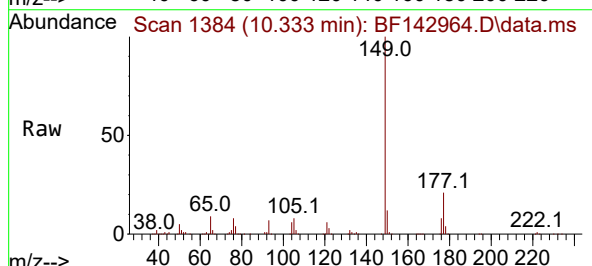
Instrument :
BNA_F
ClientSampleId :
SSTDCCC040

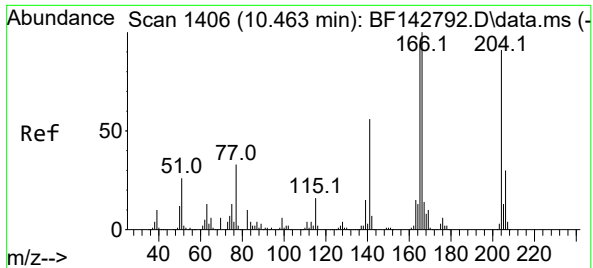
Tgt Ion:232 Resp: 73451
Ion Ratio Lower Upper
232 100
131 42.9 37.6 56.4
130 2.2 1.7 2.5
166 29.5 25.8 38.6



#60
Diethylphthalate
Concen: 40.377 ng
RT: 10.333 min Scan# 1384
Delta R.T. -0.006 min
Lab File: BF142964.D
Acq: 02 Jul 2025 11:41

Tgt Ion:149 Resp: 298938
Ion Ratio Lower Upper
149 100
177 21.3 17.0 25.6
150 12.4 9.8 14.6

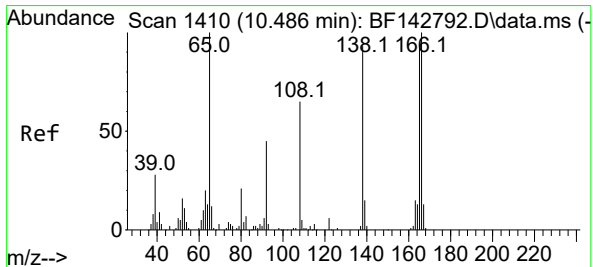
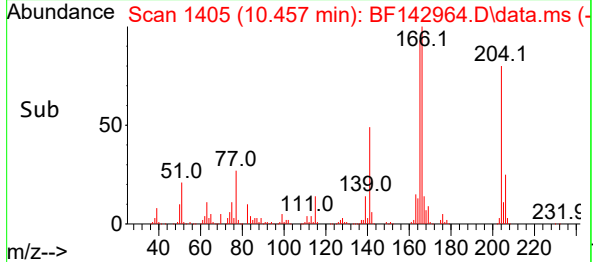
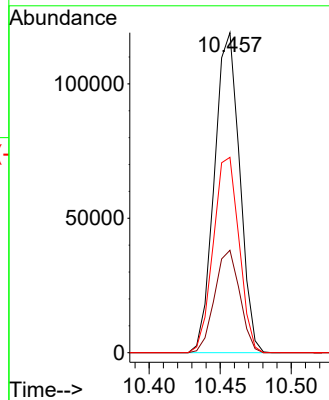
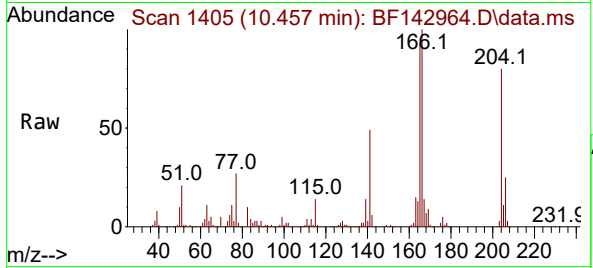




#61
4-Chlorophenyl-phenylether
Concen: 39.675 ng
RT: 10.457 min Scan# 1405
Delta R.T. -0.006 min
Lab File: BF142964.D
Acq: 02 Jul 2025 11:41

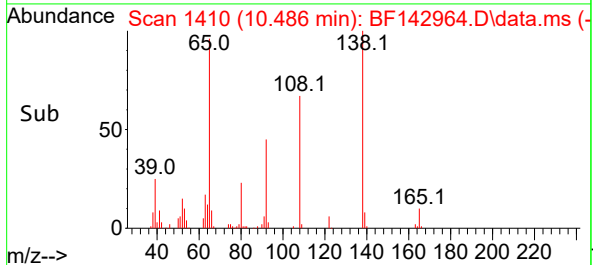
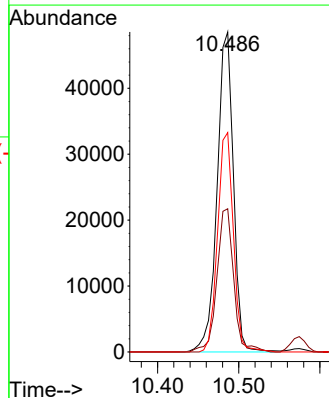
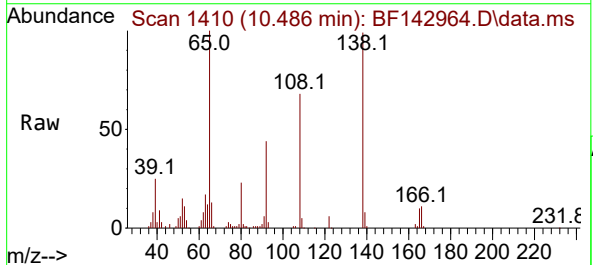
Instrument :
BNA_F
ClientSampleId :
SSTDCCC040

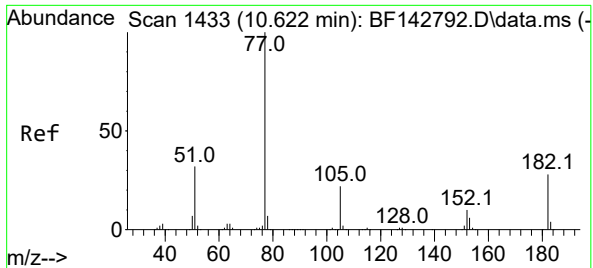
Tgt Ion:204 Resp: 147263
Ion Ratio Lower Upper
204 100
206 32.0 26.3 39.5
141 61.0 49.1 73.7



#62
4-Nitroaniline
Concen: 40.627 ng
RT: 10.486 min Scan# 1410
Delta R.T. 0.000 min
Lab File: BF142964.D
Acq: 02 Jul 2025 11:41

Tgt Ion:138 Resp: 67838
Ion Ratio Lower Upper
138 100
92 44.7 28.4 68.4
108 68.5 50.2 90.2

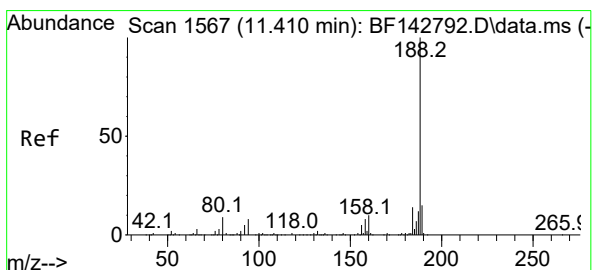
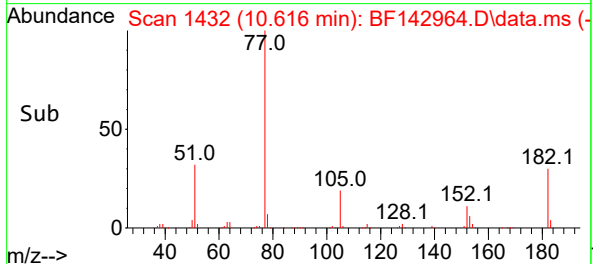
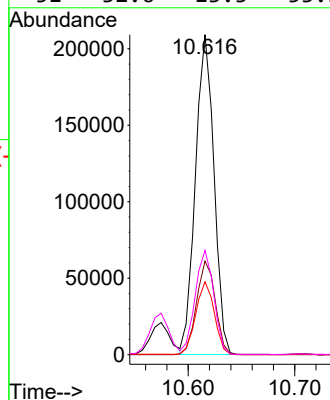
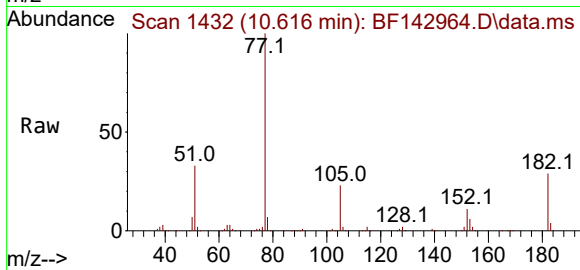




#63
Azobenzene
Concen: 38.318 ng
RT: 10.616 min Scan# 1432
Delta R.T. -0.006 min
Lab File: BF142964.D
Acq: 02 Jul 2025 11:41

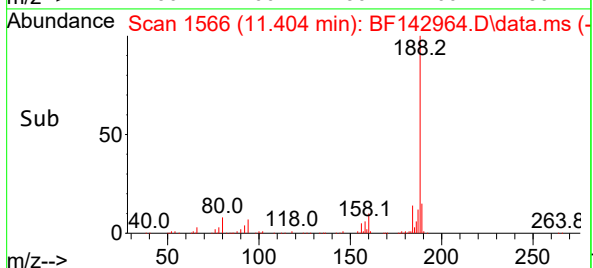
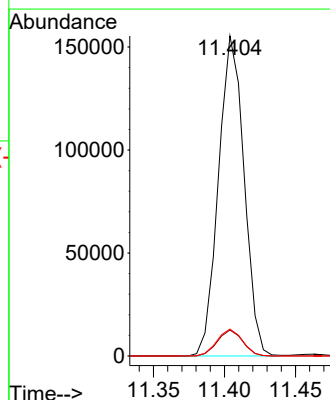
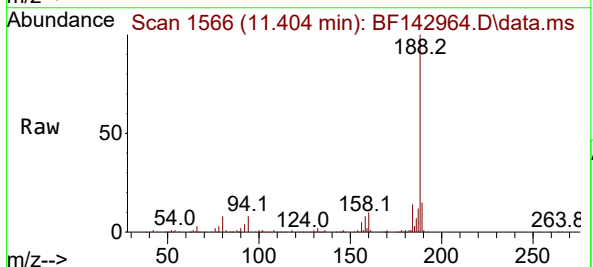
Instrument :
BNA_F
ClientSampleId :
SSTDCCC040

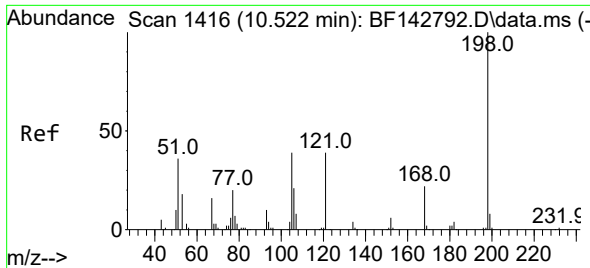
Tgt Ion: 77 Resp: 253554
Ion Ratio Lower Upper
77 100
182 29.3 7.7 47.7
105 22.7 1.9 41.9
51 32.6 13.3 53.3



#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.404 min Scan# 1566
Delta R.T. -0.006 min
Lab File: BF142964.D
Acq: 02 Jul 2025 11:41

Tgt Ion: 188 Resp: 194796
Ion Ratio Lower Upper
188 100
94 8.1 6.7 10.1
80 8.4 6.9 10.3

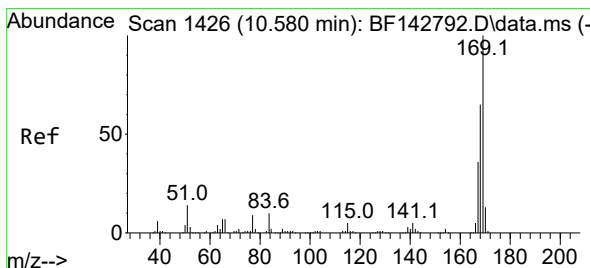
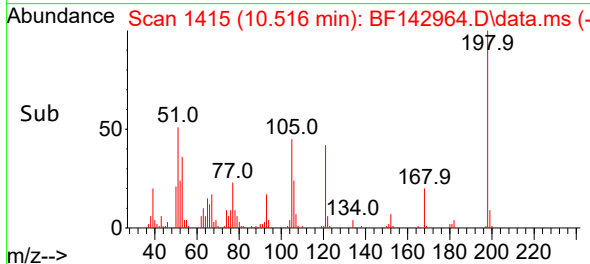
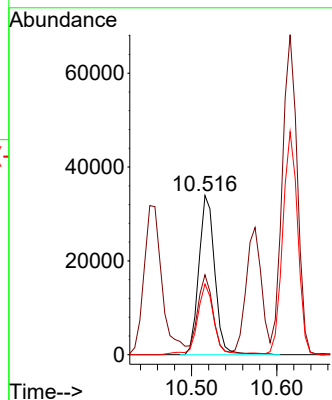
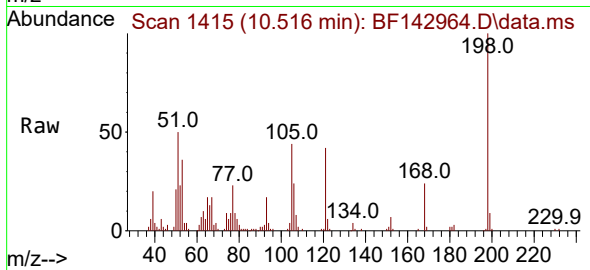




#65
4,6-Dinitro-2-methylphenol
Concen: 37.330 ng
RT: 10.516 min Scan# 1416
Delta R.T. -0.006 min
Lab File: BF142964.D
Acq: 02 Jul 2025 11:41

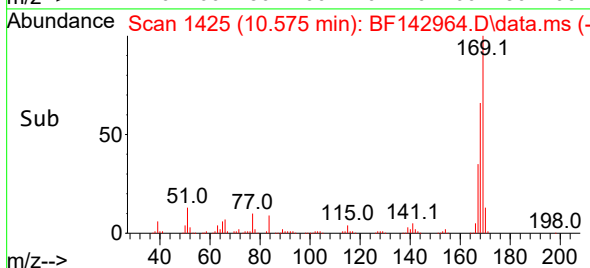
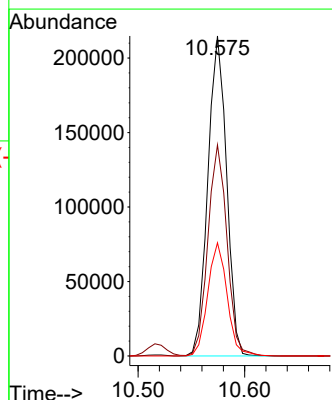
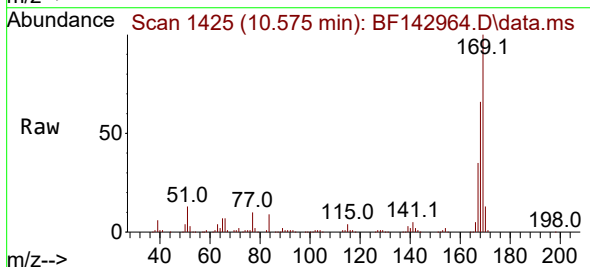
Instrument :
BNA_F
ClientSampleId :
SSTDCCC040

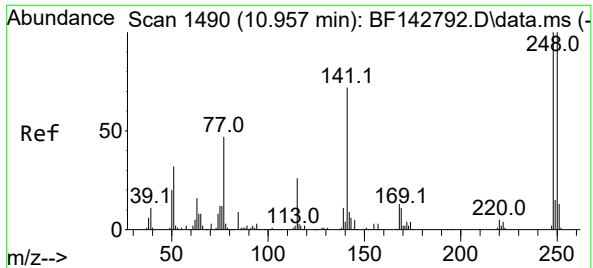
Tgt Ion:198 Resp: 43984
Ion Ratio Lower Upper
198 100
51 50.2 25.4 65.4
105 44.3 20.4 60.4



#66
n-Nitrosodiphenylamine
Concen: 38.842 ng
RT: 10.575 min Scan# 1425
Delta R.T. -0.006 min
Lab File: BF142964.D
Acq: 02 Jul 2025 11:41

Tgt Ion:169 Resp: 262226
Ion Ratio Lower Upper
169 100
168 66.0 51.9 77.9
167 35.4 28.5 42.7

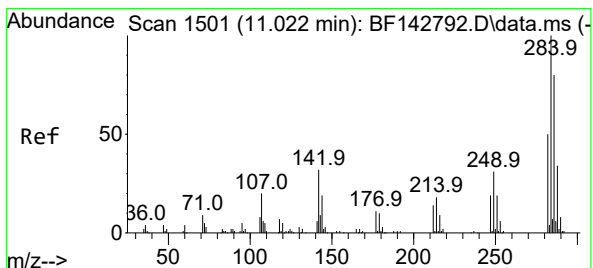
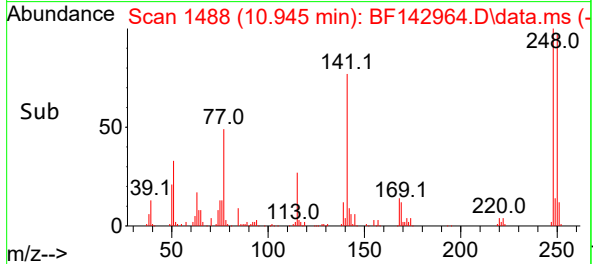
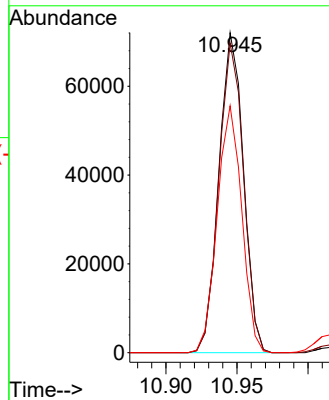
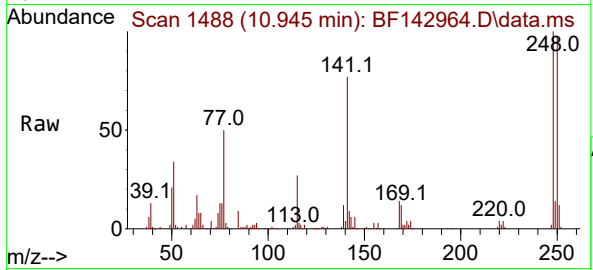




#67
4-Bromophenyl-phenylether
Concen: 39.212 ng
RT: 10.945 min Scan# 1488
Delta R.T. -0.012 min
Lab File: BF142964.D
Acq: 02 Jul 2025 11:41

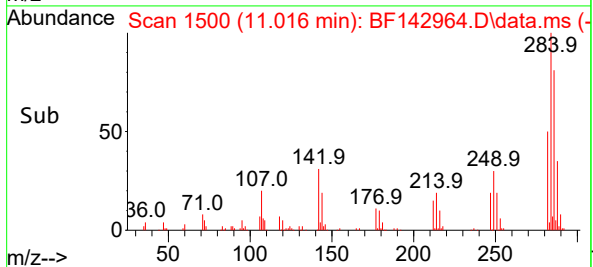
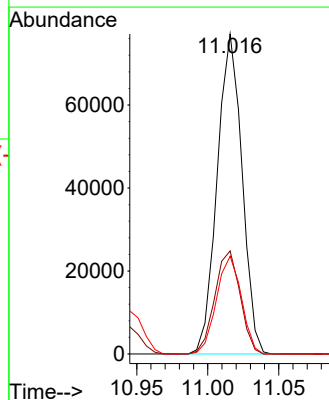
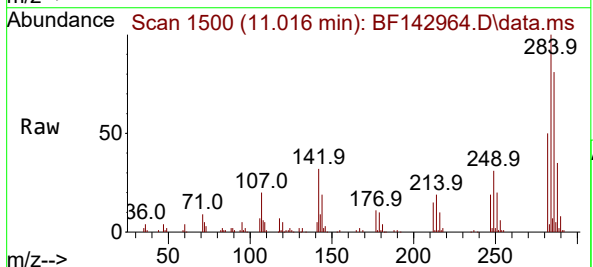
Instrument :
BNA_F
ClientSampleId :
SSTDCCC040

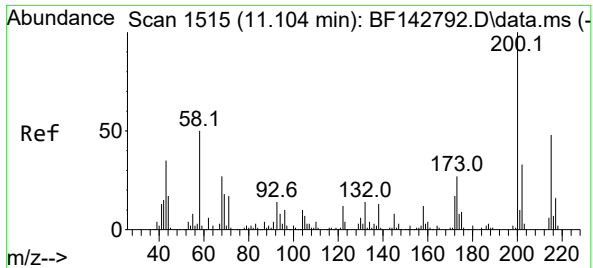
Tgt Ion:248 Resp: 86932
Ion Ratio Lower Upper
248 100
250 96.8 79.8 119.8
141 77.2 57.8 86.6



#68
Hexachlorobenzene
Concen: 38.023 ng
RT: 11.016 min Scan# 1500
Delta R.T. -0.006 min
Lab File: BF142964.D
Acq: 02 Jul 2025 11:41

Tgt Ion:284 Resp: 93666
Ion Ratio Lower Upper
284 100
142 32.2 25.5 38.3
249 30.6 24.9 37.3





#69

Atrazine

Concen: 41.917 ng

RT: 11.098 min Scan# 1

Delta R.T. -0.006 min

Lab File: BF142964.D

Acq: 02 Jul 2025 11:41

Instrument :

BNA_F

ClientSampleId :

SSTDCCC040

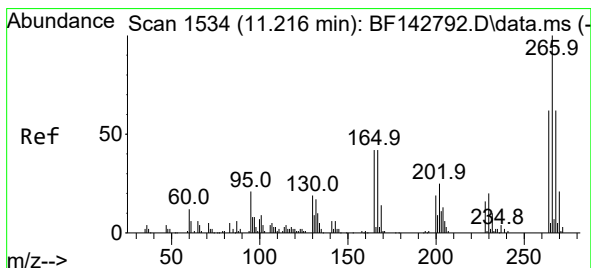
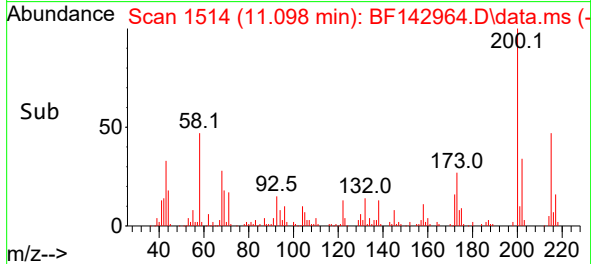
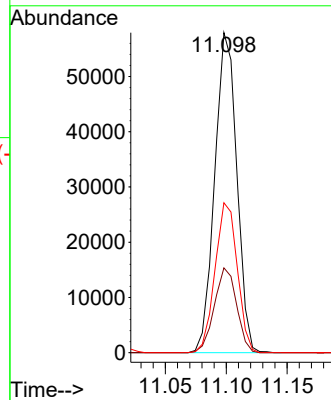
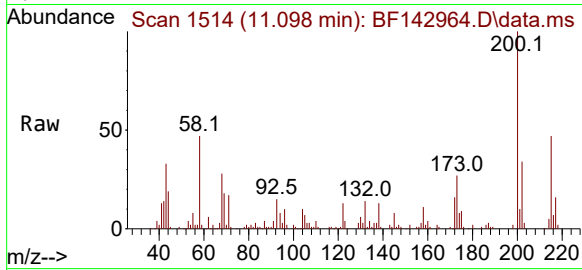
Tgt Ion:200 Resp: 73076

Ion Ratio Lower Upper

200 100

173 26.5 7.4 47.4

215 46.9 28.4 68.4



#70

Pentachlorophenol

Concen: 35.684 ng

RT: 11.210 min Scan# 1533

Delta R.T. -0.006 min

Lab File: BF142964.D

Acq: 02 Jul 2025 11:41

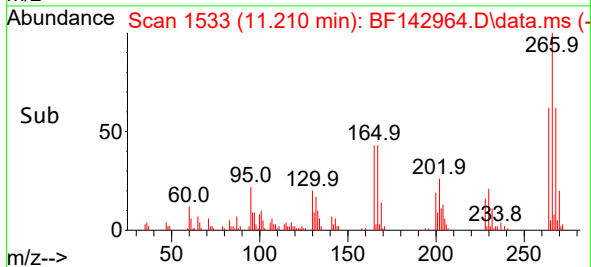
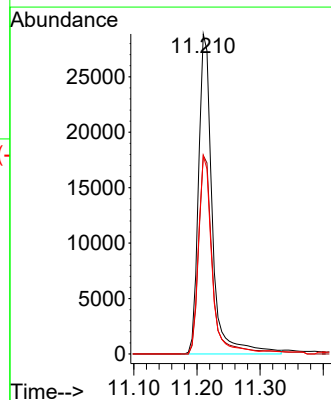
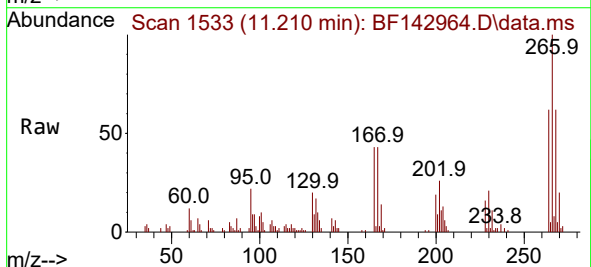
Tgt Ion:266 Resp: 43803

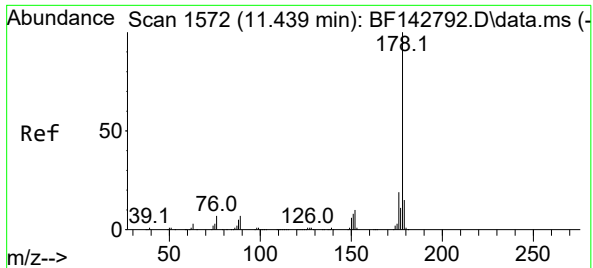
Ion Ratio Lower Upper

266 100

268 62.1 49.8 74.8

264 61.9 49.9 74.9

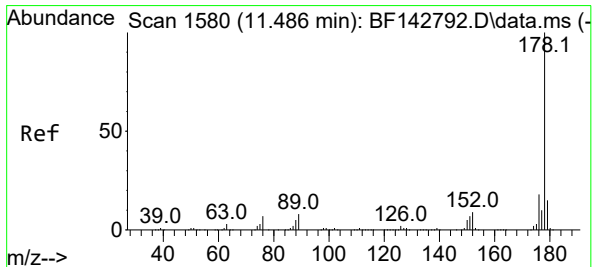
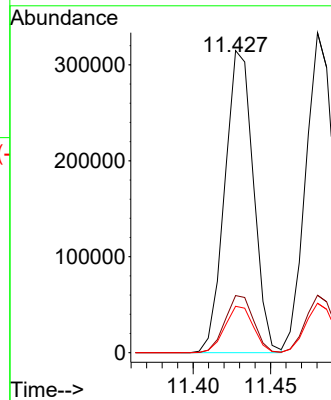
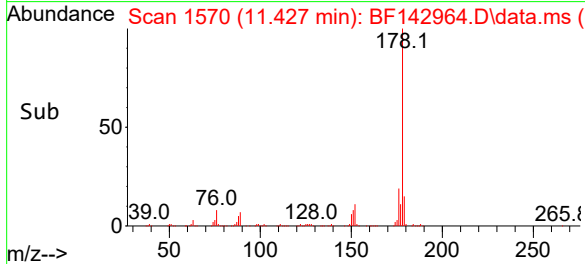
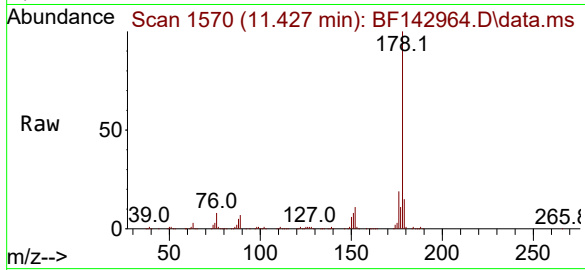




#71
Phenanthrene
Concen: 38.308 ng
RT: 11.427 min Scan# 1572
Delta R.T. -0.012 min
Lab File: BF142964.D
Acq: 02 Jul 2025 11:41

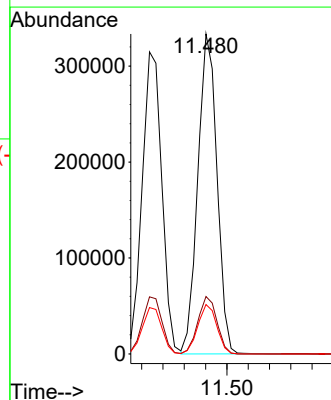
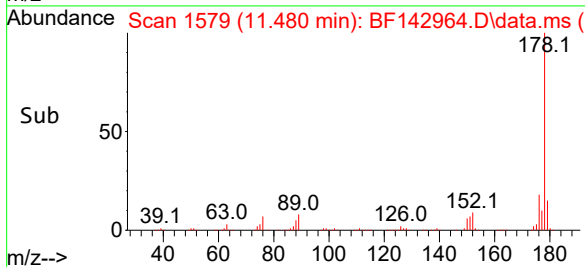
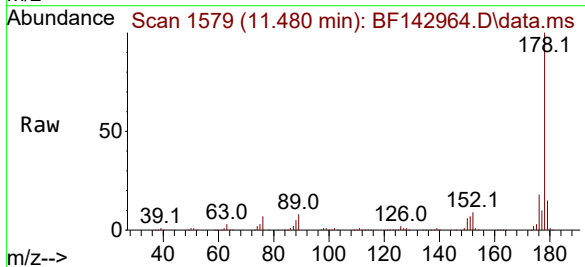
Instrument :
BNA_F
ClientSampleId :
SSTDCCC040

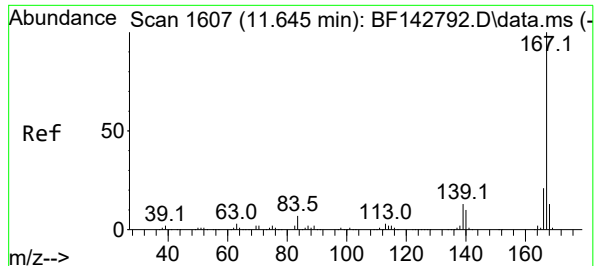
Tgt Ion:178 Resp: 404225
Ion Ratio Lower Upper
178 100
176 18.9 15.1 22.7
179 15.4 12.0 18.0



#72
Anthracene
Concen: 38.570 ng
RT: 11.480 min Scan# 1579
Delta R.T. -0.006 min
Lab File: BF142964.D
Acq: 02 Jul 2025 11:41

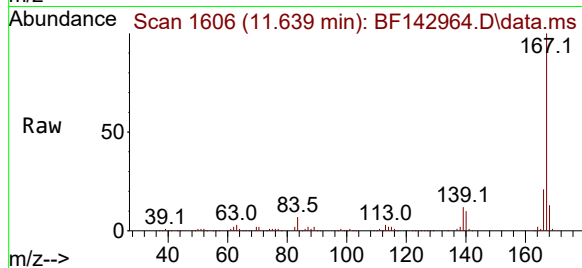
Tgt Ion:178 Resp: 417414
Ion Ratio Lower Upper
178 100
176 18.0 14.6 21.8
179 15.5 12.4 18.6



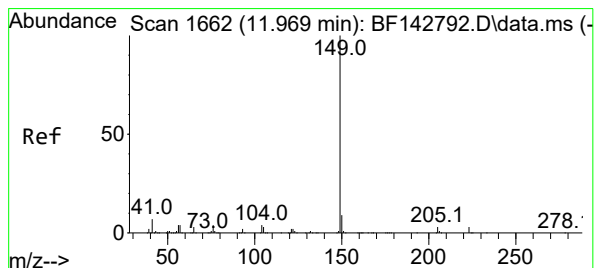
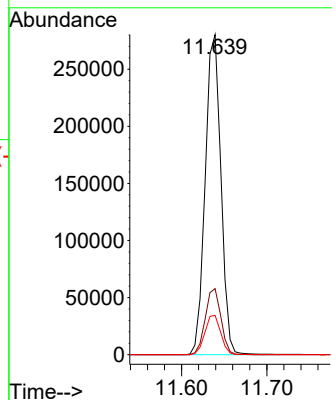
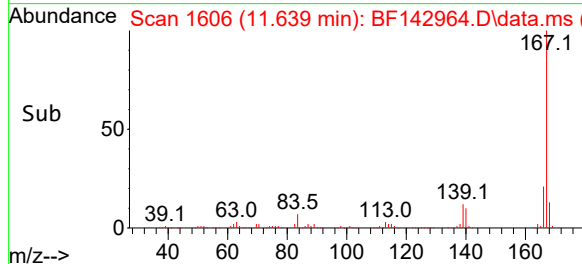


#73
Carbazole
Concen: 38.432 ng
RT: 11.639 min Scan# 1606
Delta R.T. -0.006 min
Lab File: BF142964.D
Acq: 02 Jul 2025 11:41

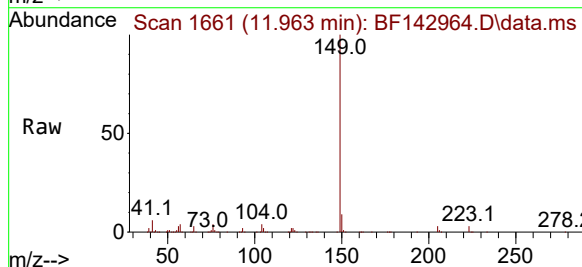
Instrument :
BNA_F
ClientSampleId :
SSTDCCC040



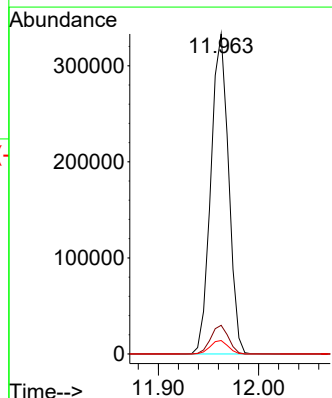
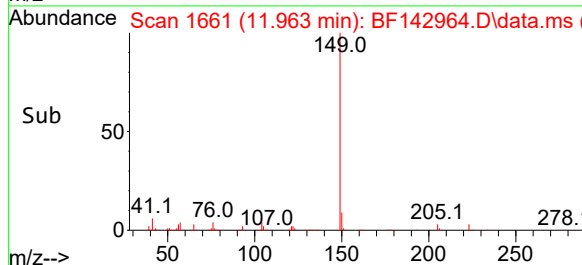
Tgt Ion:167 Resp: 358920
Ion Ratio Lower Upper
167 100
166 20.7 17.0 25.4
139 12.3 10.2 15.2

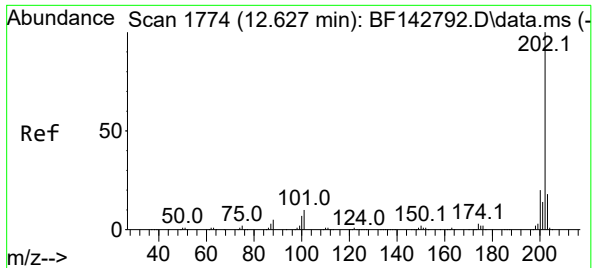


#74
Di-n-butylphthalate
Concen: 42.104 ng
RT: 11.963 min Scan# 1661
Delta R.T. -0.006 min
Lab File: BF142964.D
Acq: 02 Jul 2025 11:41



Tgt Ion:149 Resp: 409630
Ion Ratio Lower Upper
149 100
150 9.0 7.4 11.0
104 4.2 3.5 5.3

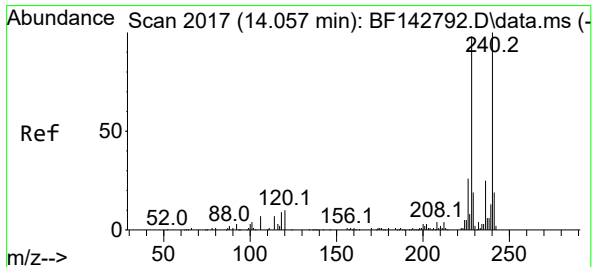
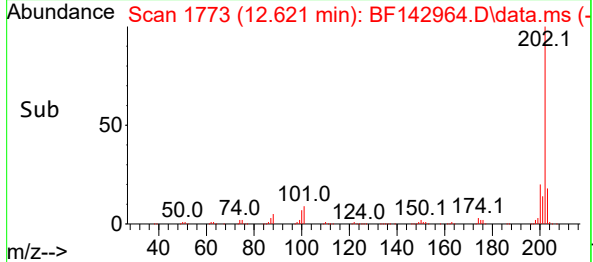
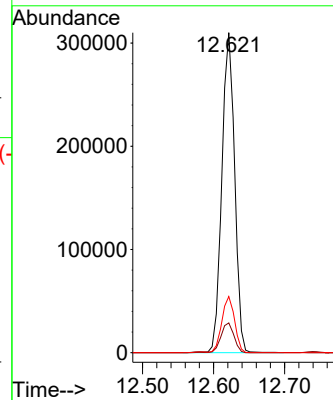
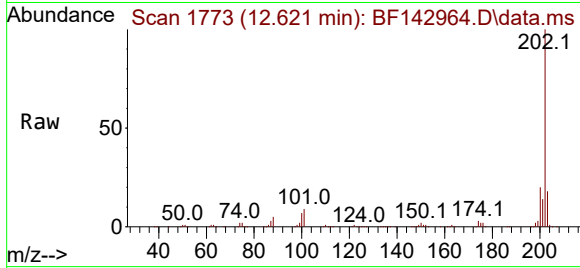




#75
Fluoranthene
Concen: 38.573 ng
RT: 12.621 min Scan# 1773
Delta R.T. -0.006 min
Lab File: BF142964.D
Acq: 02 Jul 2025 11:41

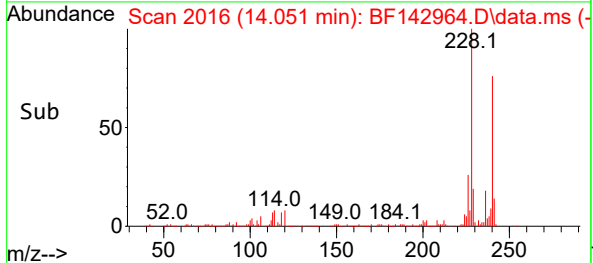
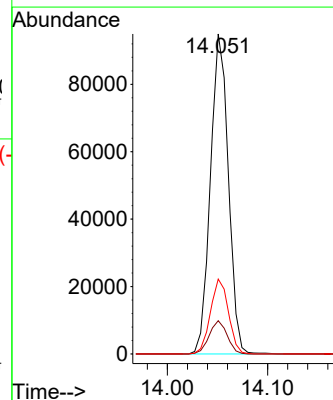
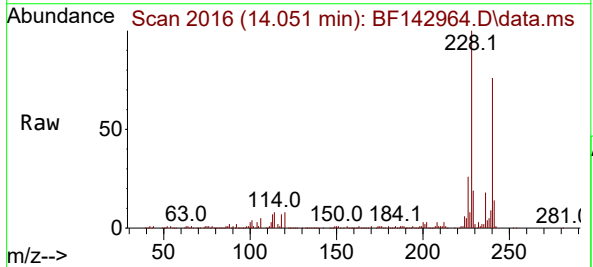
Instrument :
BNA_F
ClientSampleId :
SSTDCCC040

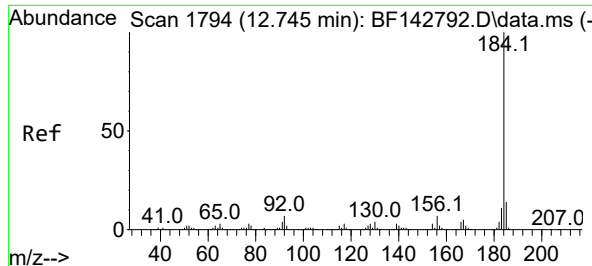
Tgt Ion:202 Resp: 386289
Ion Ratio Lower Upper
202 100
101 9.3 0.0 29.7
203 17.6 0.0 37.5



#76
Chrysene-d12
Concen: 20.000 ng
RT: 14.051 min Scan# 2016
Delta R.T. -0.006 min
Lab File: BF142964.D
Acq: 02 Jul 2025 11:41

Tgt Ion:240 Resp: 118183
Ion Ratio Lower Upper
240 100
120 10.4 8.2 12.2
236 23.4 19.8 29.8





#77

Benzidine

Concen: 46.514 ng

RT: 12.739 min Scan# 1

Delta R.T. -0.006 min

Lab File: BF142964.D

Acq: 02 Jul 2025 11:41

Instrument :

BNA_F

ClientSampleId :

SSTDCCC040

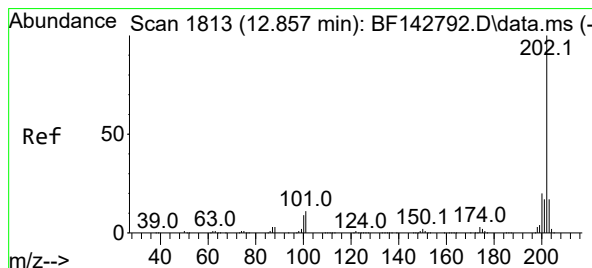
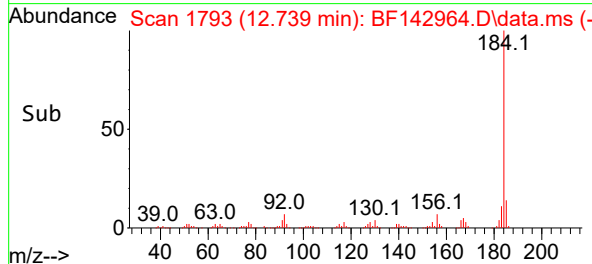
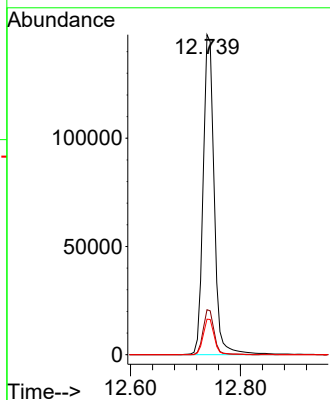
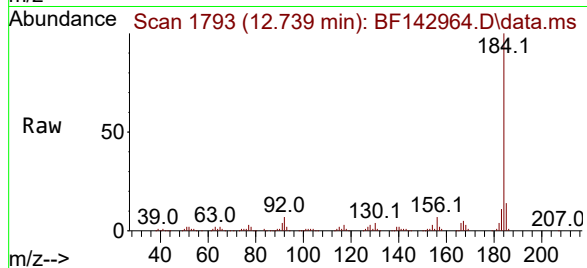
Tgt Ion:184 Resp: 206536

Ion Ratio Lower Upper

184 100

185 14.0 11.5 17.3

183 11.1 9.0 13.4



#78

Pyrene

Concen: 40.257 ng

RT: 12.851 min Scan# 1812

Delta R.T. -0.006 min

Lab File: BF142964.D

Acq: 02 Jul 2025 11:41

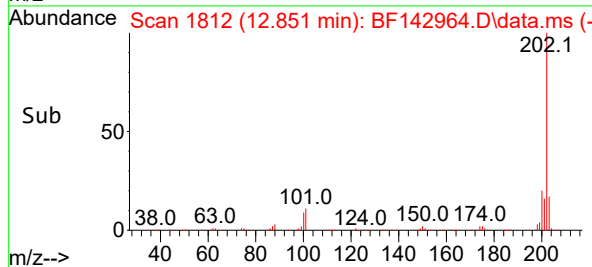
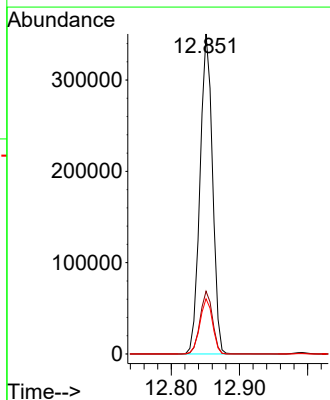
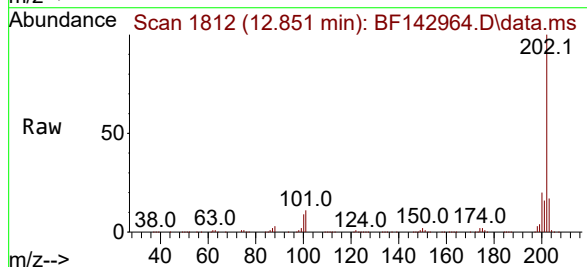
Tgt Ion:202 Resp: 445961

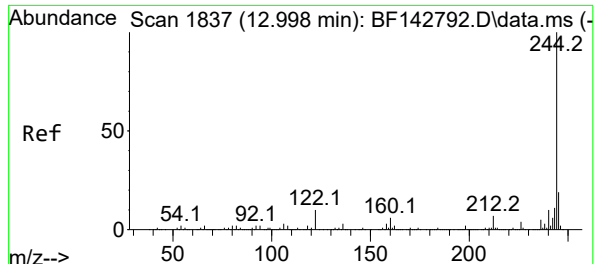
Ion Ratio Lower Upper

202 100

200 19.6 15.7 23.5

203 17.3 13.8 20.6





#79

Terphenyl-d14

Concen: 75.514 ng

RT: 12.992 min Scan# 1836

Delta R.T. -0.006 min

Lab File: BF142964.D

Acq: 02 Jul 2025 11:41

Instrument :

BNA_F

ClientSampleId :

SSTDCCC040

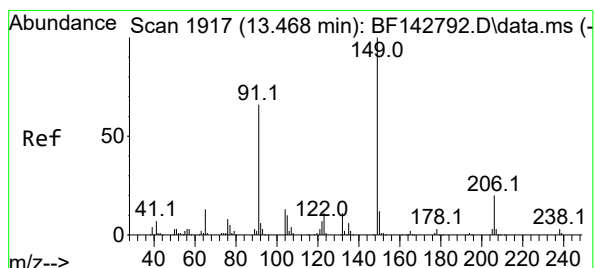
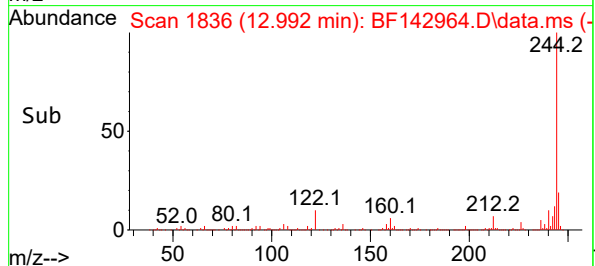
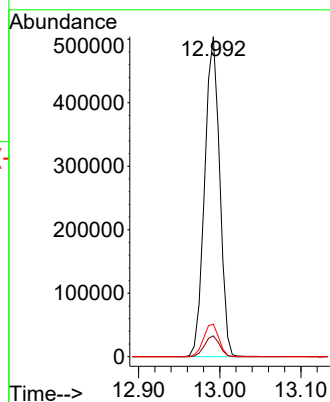
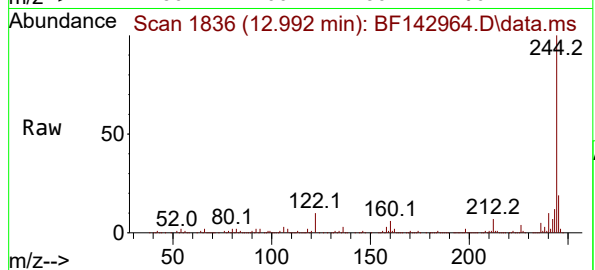
Tgt Ion:244 Resp: 645901

Ion Ratio Lower Upper

244 100

212 6.5 5.4 8.0

122 10.2 8.2 12.2



#80

Butylbenzylphthalate

Concen: 43.714 ng

RT: 13.463 min Scan# 1916

Delta R.T. -0.006 min

Lab File: BF142964.D

Acq: 02 Jul 2025 11:41

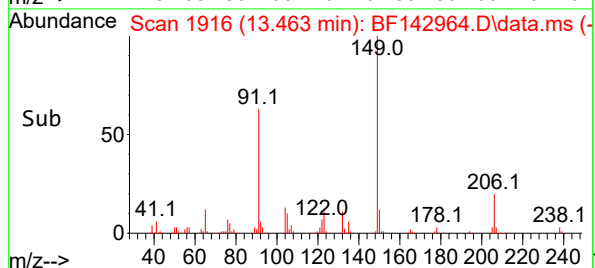
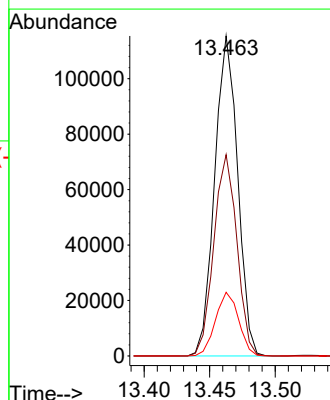
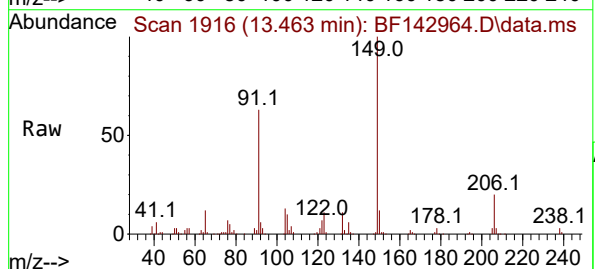
Tgt Ion:149 Resp: 140470

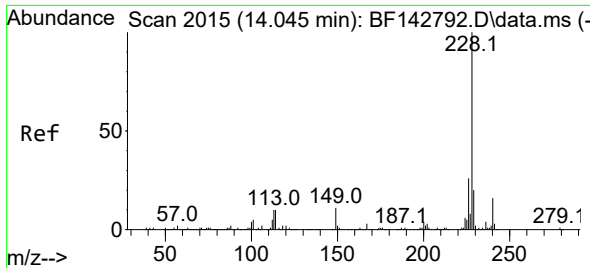
Ion Ratio Lower Upper

149 100

91 62.9 52.9 79.3

206 19.9 16.3 24.5

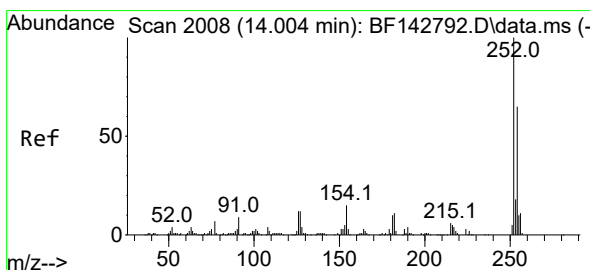
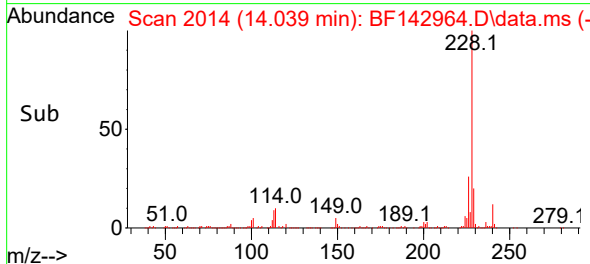
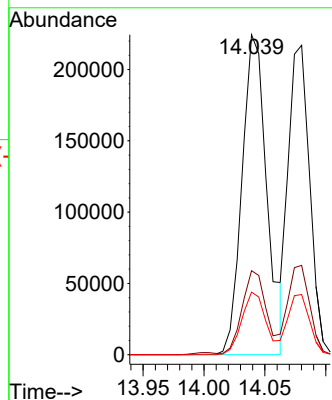
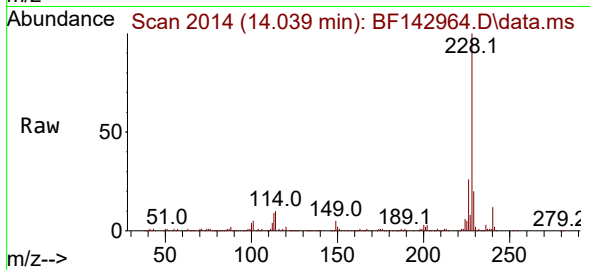




#81
Benzo(a)anthracene
Concen: 39.974 ng
RT: 14.039 min Scan# 2015
Delta R.T. -0.006 min
Lab File: BF142964.D
Acq: 02 Jul 2025 11:41

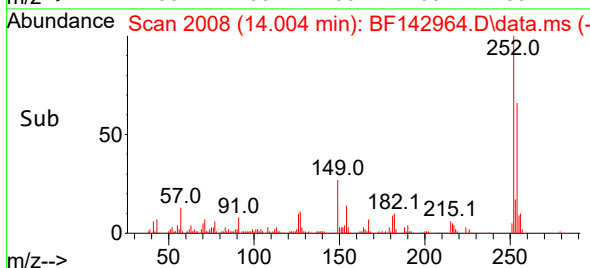
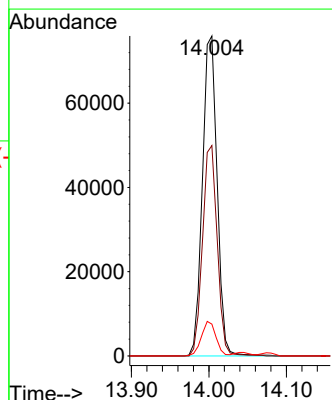
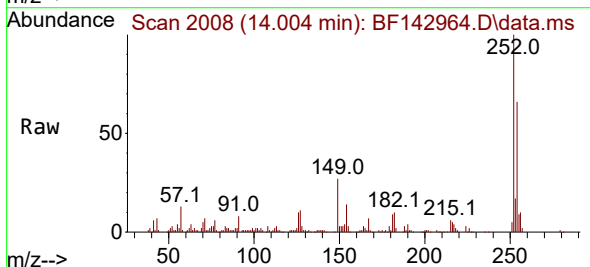
Instrument :
BNA_F
ClientSampleId :
SSTDCCC040

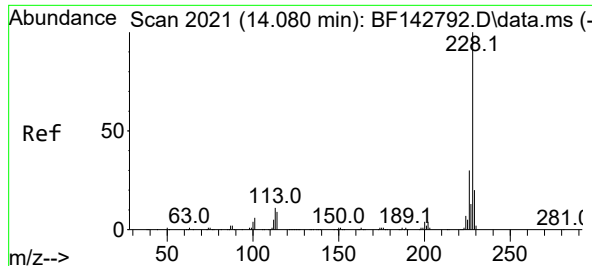
Tgt Ion:228 Resp: 318700
Ion Ratio Lower Upper
228 100
226 26.2 21.2 31.8
229 19.5 15.6 23.4



#82
3,3'-Dichlorobenzidine
Concen: 38.724 ng
RT: 14.004 min Scan# 2008
Delta R.T. 0.000 min
Lab File: BF142964.D
Acq: 02 Jul 2025 11:41

Tgt Ion:252 Resp: 100139
Ion Ratio Lower Upper
252 100
254 65.7 51.7 77.5
126 10.0 9.4 14.2





#83

Chrysene

Concen: 37.312 ng

RT: 14.080 min Scan# 20

Delta R.T. 0.000 min

Lab File: BF142964.D

Acq: 02 Jul 2025 11:41

Instrument :

BNA_F

ClientSampleId :

SSTDCCC040

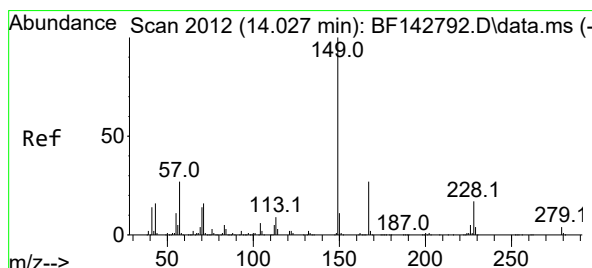
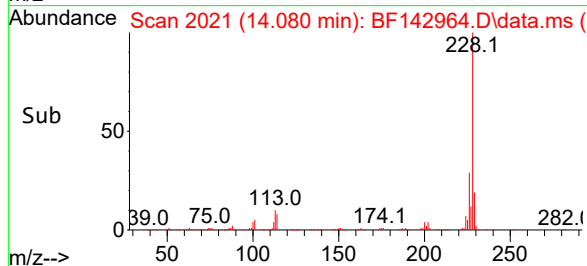
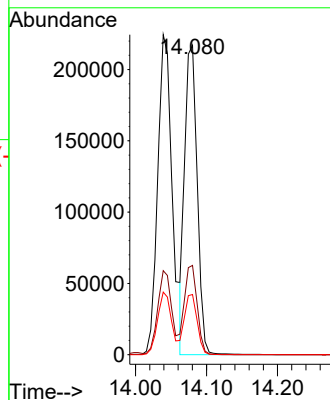
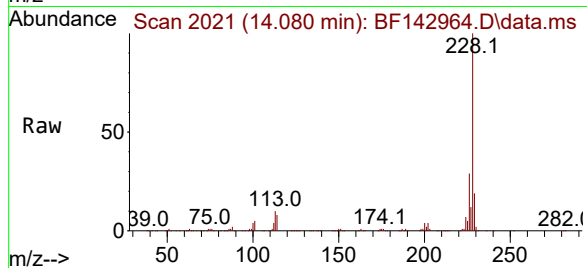
Tgt Ion:228 Resp: 265448

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: 43.293 ng

RT: 14.021 min Scan# 2011

Delta R.T. -0.006 min

Lab File: BF142964.D

Acq: 02 Jul 2025 11:41

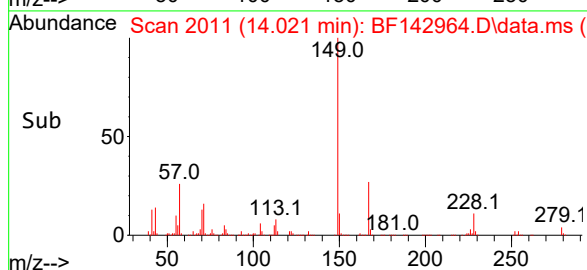
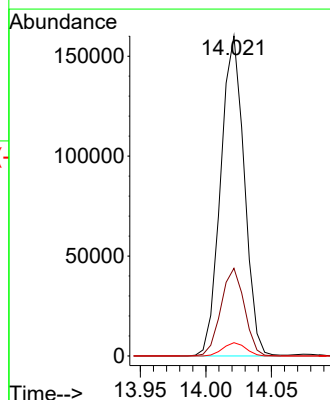
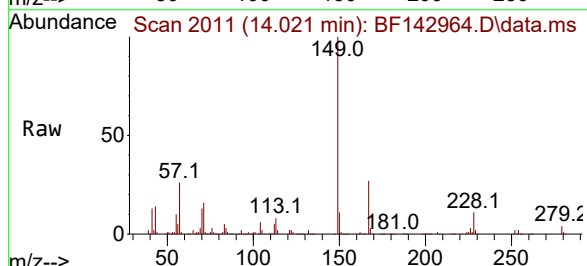
Tgt Ion:149 Resp: 200158

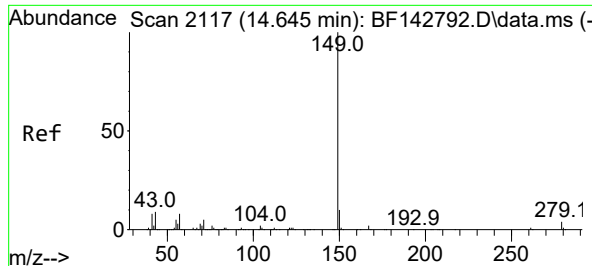
Ion Ratio Lower Upper

149 100

167 27.4 21.4 32.0

279 4.2 3.0 4.6





#85

Di-n-octyl phthalate

Concen: 39.616 ng

RT: 14.633 min Scan# 2115

Delta R.T. -0.012 min

Lab File: BF142964.D

Acq: 02 Jul 2025 11:41

Instrument :

BNA_F

ClientSampleId :

SSTDCCC040

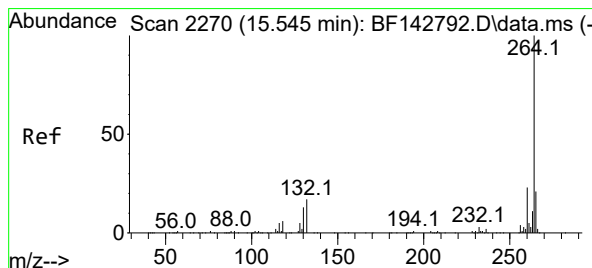
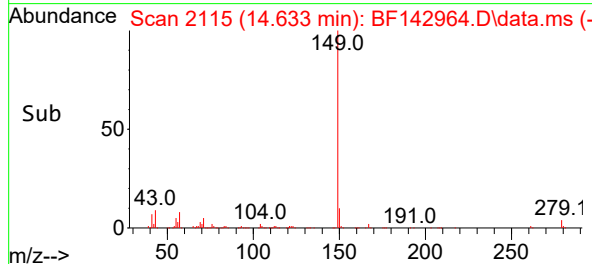
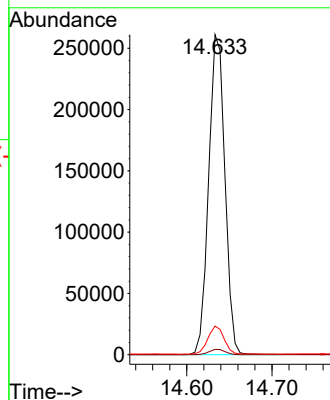
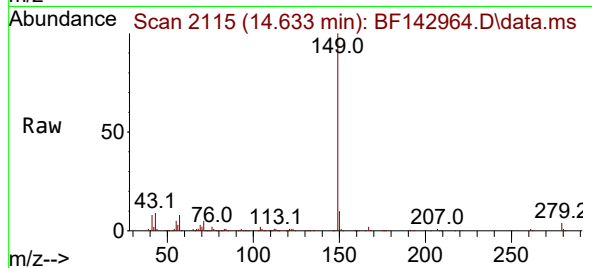
Tgt Ion:149 Resp: 345369

Ion Ratio Lower Upper

149 100

167 1.6 1.3 1.9

43 8.7 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: BF142964.D

Acq: 02 Jul 2025 11:41

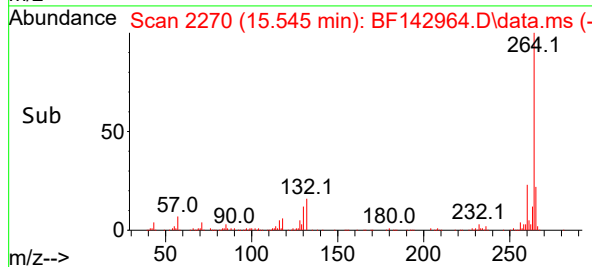
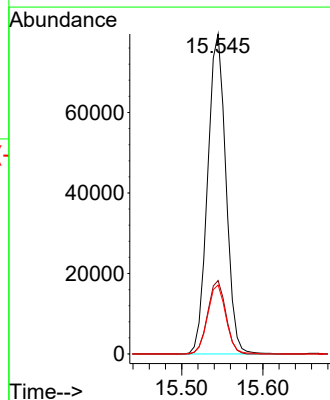
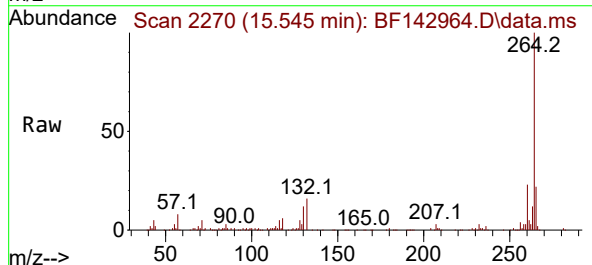
Tgt Ion:264 Resp: 123997

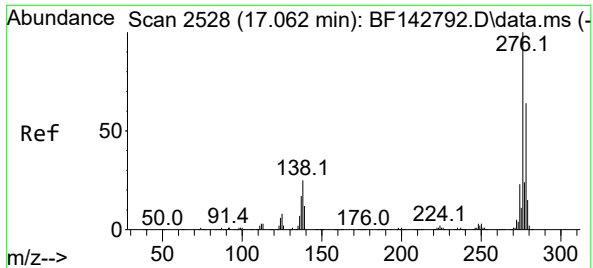
Ion Ratio Lower Upper

264 100

260 23.0 18.1 27.1

265 21.5 16.6 25.0





#87

Indeno(1,2,3-cd)pyrene

Concen: 36.965 ng

RT: 17.062 min Scan# 21

Delta R.T. 0.000 min

Lab File: BF142964.D

Acq: 02 Jul 2025 11:41

Instrument :

BNA_F

ClientSampleId :

SSTDCCC040

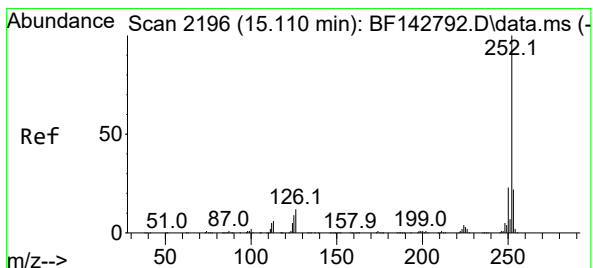
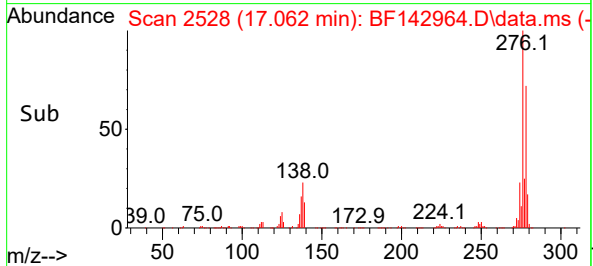
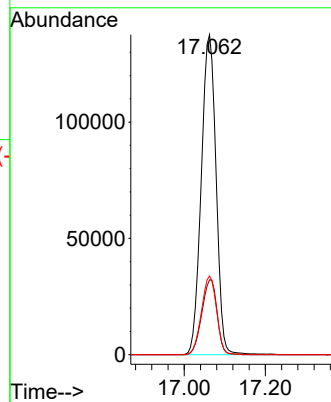
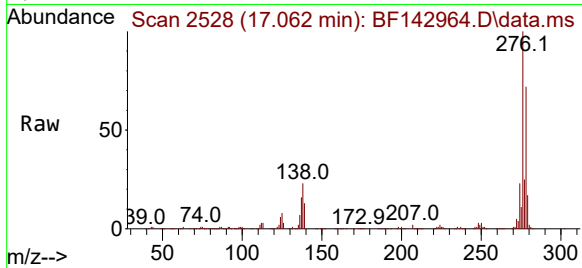
Tgt Ion:276 Resp: 349123

Ion Ratio Lower Upper

276 100

138 24.0 20.2 30.4

277 25.0 19.8 29.6



#88

Benzo(b)fluoranthene

Concen: 43.830 ng

RT: 15.104 min Scan# 2195

Delta R.T. -0.006 min

Lab File: BF142964.D

Acq: 02 Jul 2025 11:41

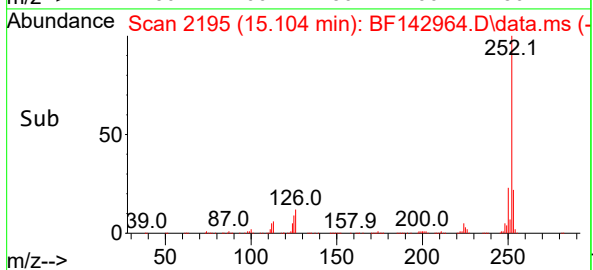
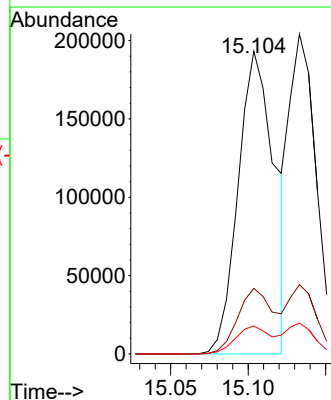
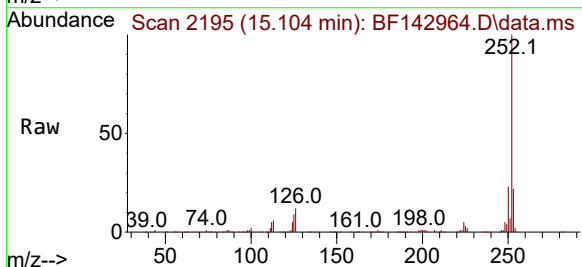
Tgt Ion:252 Resp: 314480

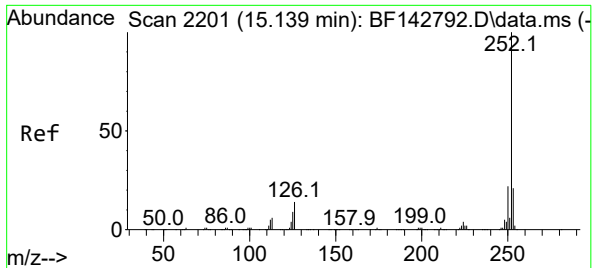
Ion Ratio Lower Upper

252 100

253 21.7 17.5 26.3

125 9.3 7.4 11.0





#89

Benzo(k)fluoranthene

Concen: 37.183 ng

RT: 15.133 min Scan# 21

Delta R.T. -0.006 min

Lab File: BF142964.D

Acq: 02 Jul 2025 11:41

Instrument :

BNA_F

ClientSampleId :

SSTDCCC040

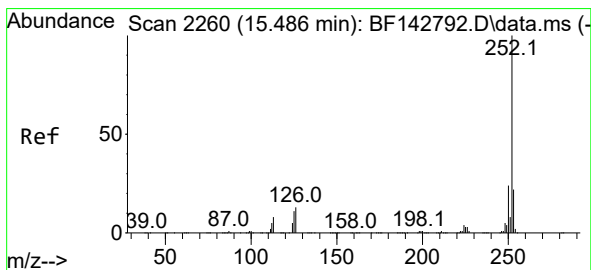
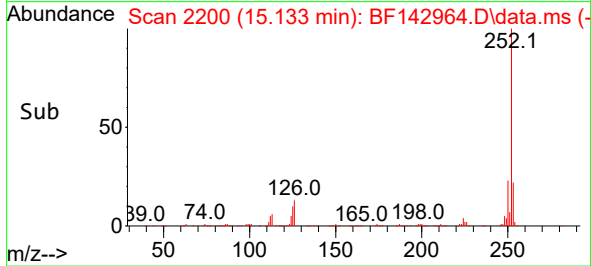
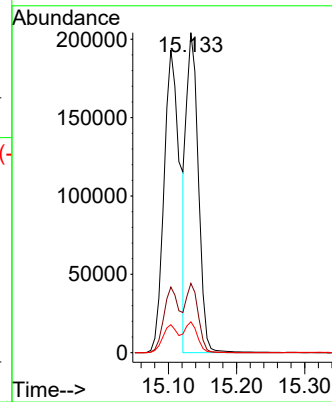
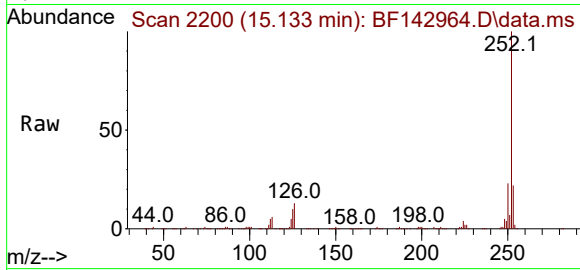
Tgt Ion:252 Resp: 249604

Ion Ratio Lower Upper

252 100

253 21.6 17.2 25.8

125 9.6 7.4 11.2



#90

Benzo(a)pyrene

Concen: 39.941 ng

RT: 15.480 min Scan# 2259

Delta R.T. -0.006 min

Lab File: BF142964.D

Acq: 02 Jul 2025 11:41

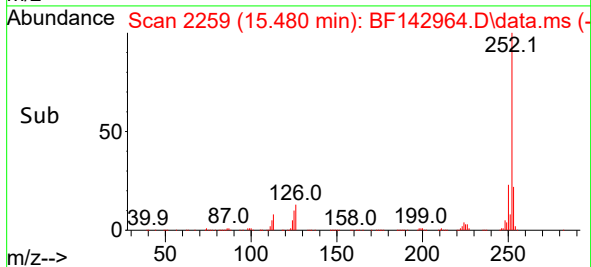
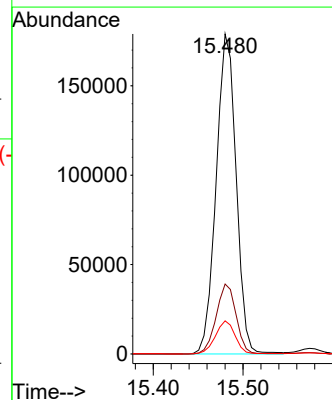
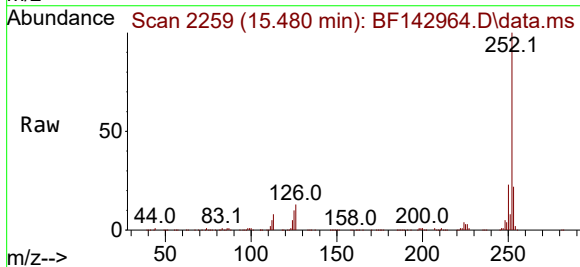
Tgt Ion:252 Resp: 276854

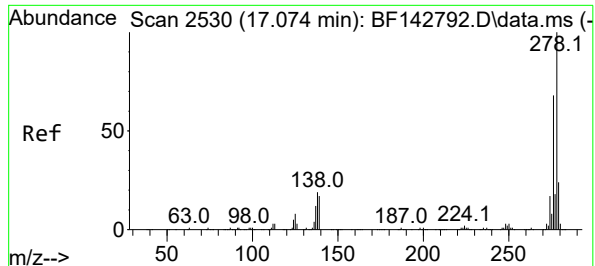
Ion Ratio Lower Upper

252 100

253 21.9 17.5 26.3

125 10.4 8.6 12.8





#91

Dibenzo(a,h)anthracene

Concen: 36.878 ng

RT: 17.074 min Scan# 2530

Delta R.T. 0.000 min

Lab File: BF142964.D

Acq: 02 Jul 2025 11:41

Instrument :

BNA_F

ClientSampleId :

SSTDCCC040

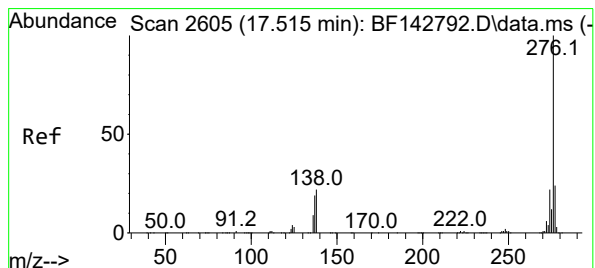
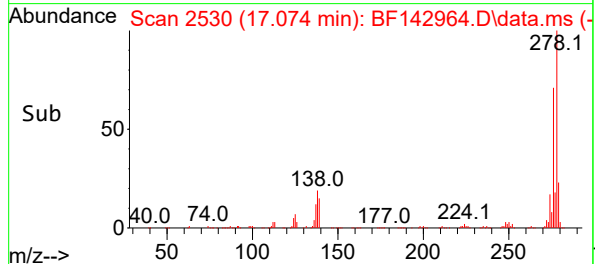
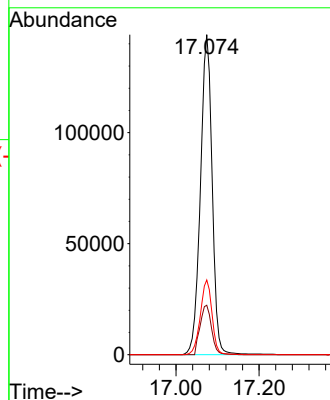
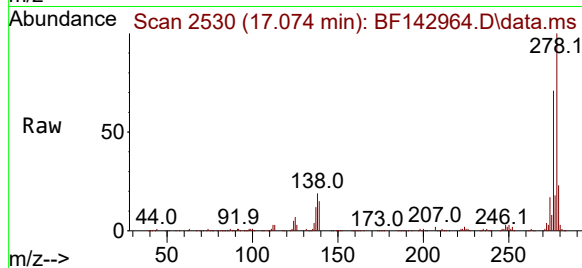
Tgt Ion:278 Resp: 283004

Ion Ratio Lower Upper

278 100

139 15.4 13.5 20.3

279 23.3 18.8 28.2



#92

Benzo(g,h,i)perylene

Concen: 36.836 ng

RT: 17.515 min Scan# 2605

Delta R.T. 0.000 min

Lab File: BF142964.D

Acq: 02 Jul 2025 11:41

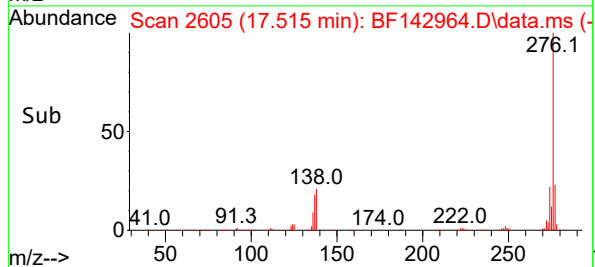
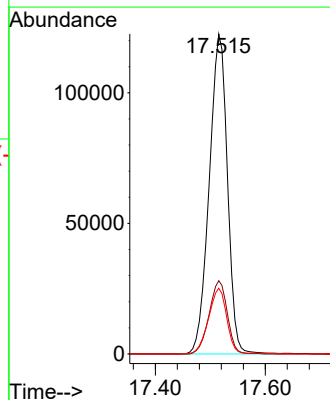
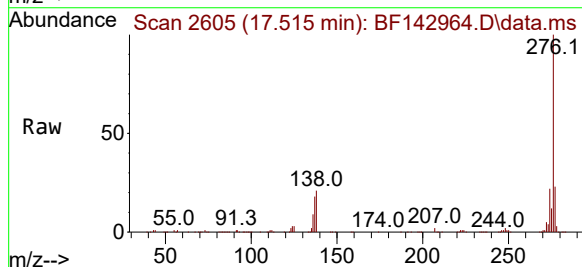
Tgt Ion:276 Resp: 281879

Ion Ratio Lower Upper

276 100

277 22.9 18.8 28.2

138 20.5 17.6 26.4



Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF070225\
 Data File : BF142964.D
 Acq On : 02 Jul 2025 11:41
 Operator : RC/JU
 Sample : SSTDCCC040
 Misc :
 ALS Vial : 2 Sample Multiplier: 1

Instrument :
 BNA_F
 LabSampleId :
 SSTDCCC040

Quant Time: Jul 02 12:31:08 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

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	70	0.00
2	1,4-Dioxane	0.480	0.432	10.0	66	-0.02
3	Pyridine	1.205	1.102	8.5	67	-0.02
4	n-Nitrosodimethylamine	0.623	0.582	6.6	69	-0.02
5 S	2-Fluorophenol	1.201	1.175	2.2	72	0.00
6	Aniline	1.886	1.810	4.0	70	-0.01
7 S	Phenol-d6	1.417	1.364	3.7	72	0.00
8	2-Chlorophenol	1.296	1.252	3.4	71	0.00
9	Benzaldehyde	0.841	0.869	-3.3	81	0.00
10 C	Phenol	1.575	1.528	3.0	71	0.00
11	bis(2-Chloroethyl)ether	1.126	1.072	4.8	70	0.00
12	1,3-Dichlorobenzene	1.449	1.426	1.6	73	0.00
13 C	1,4-Dichlorobenzene	1.462	1.420	2.9	71	0.00
14	1,2-Dichlorobenzene	1.387	1.343	3.2	71	0.00
15	Benzyl Alcohol	1.025	1.022	0.3	74	0.00
16	2,2'-oxybis(1-Chloropropane	1.809	1.643	9.2	67	-0.01
17	2-Methylphenol	0.982	0.951	3.2	71	0.00
18	Hexachloroethane	0.511	0.505	1.2	71	0.00
19 P	n-Nitroso-di-n-propylamine	0.824	0.806	2.2	72	0.00
20	3+4-Methylphenols	1.224	1.220	0.3	73	0.00
21 I	Naphthalene-d8	1.000	1.000	0.0	71	-0.01
22	Acetophenone	0.441	0.428	2.9	73	0.00
23 S	Nitrobenzene-d5	0.365	0.381	-4.4	77	0.00
24	Nitrobenzene	0.330	0.320	3.0	72	0.00
25	Isophorone	0.585	0.565	3.4	73	0.00
26 C	2-Nitrophenol	0.180	0.179	0.6	72	0.00
27	2,4-Dimethylphenol	0.311	0.301	3.2	72	0.00
28	bis(2-Chloroethoxy)methane	0.372	0.360	3.2	72	0.00
29 C	2,4-Dichlorophenol	0.282	0.275	2.5	72	0.00
30	1,2,4-Trichlorobenzene	0.310	0.305	1.6	73	0.00
31	Naphthalene	0.979	0.947	3.3	72	0.00
32	Benzoic acid	0.159	0.140	11.9	64	0.00
33	4-Chloroaniline	0.398	0.390	2.0	74	0.00
34 C	Hexachlorobutadiene	0.190	0.186	2.1	72	-0.01
35	Caprolactam	0.075	0.075	0.0	75	0.00
36 C	4-Chloro-3-methylphenol	0.281	0.275	2.1	73	0.00
37	2-Methylnaphthalene	0.607	0.601	1.0	74	-0.01
38	1-Methylnaphthalene	0.628	0.617	1.8	74	-0.01
39 I	Acenaphthene-d10	1.000	1.000	0.0	72	0.00
40	1,2,4,5-Tetrachlorobenzene	0.590	0.588	0.3	76	0.00
41 P	Hexachlorocyclopentadiene	0.335	0.265	20.9	57	-0.01
42 S	2,4,6-Tribromophenol	0.206	0.203	1.5	73	0.00
43 C	2,4,6-Trichlorophenol	0.385	0.371	3.6	73	0.00
44	2,4,5-Trichlorophenol	0.405	0.391	3.5	72	0.00
45 S	2-Fluorobiphenyl	1.522	1.598	-5.0	80	-0.01
46	1,1'-Biphenyl	1.580	1.544	2.3	74	-0.01
47	2-Chloronaphthalene	1.186	1.140	3.9	73	0.00

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF070225\
 Data File : BF142964.D
 Acq On : 02 Jul 2025 11:41
 Operator : RC/JU
 Sample : SSTDCCC040
 Misc :
 ALS Vial : 2 Sample Multiplier: 1

Instrument :
 BNA_F
 LabSampleId :
 SSTDCCC040

Quant Time: Jul 02 12:31:08 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

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	0.326	1.8	72	0.00
49	Acenaphthylene	1.952	1.901	2.6	74	0.00
50	Dimethylphthalate	1.295	1.269	2.0	74	-0.01
51	2,6-Dinitrotoluene	0.284	0.284	0.0	74	0.00
52 C	Acenaphthene	1.191	1.162	2.4	73	0.00
53	3-Nitroaniline	0.313	0.313	0.0	75	0.00
54 P	2,4-Dinitrophenol	0.142	0.122	14.1	62	0.00
55	Dibenzofuran	1.708	1.651	3.3	73	0.00
56 P	4-Nitrophenol	0.214	0.246	-15.0	85	0.00
57	2,4-Dinitrotoluene	0.378	0.373	1.3	73	0.00
58	Fluorene	1.334	1.313	1.6	75	-0.01
59	2,3,4,6-Tetrachlorophenol	0.326	0.315	3.4	73	0.00
60	Diethylphthalate	1.269	1.281	-0.9	76	0.00
61	4-Chlorophenyl-phenylether	0.636	0.631	0.8	76	0.00
62	4-Nitroaniline	0.286	0.291	-1.7	77	0.00
63	Azobenzene	1.134	1.087	4.1	72	0.00
64 I	Phenanthrene-d10	1.000	1.000	0.0	74	0.00
65	4,6-Dinitro-2-methylphenol	0.121	0.113	6.6	70	0.00
66 c	n-Nitrosodiphenylamine	0.693	0.673	2.9	74	0.00
67	4-Bromophenyl-phenylether	0.228	0.223	2.2	76	-0.01
68	Hexachlorobenzene	0.253	0.240	5.1	74	0.00
69	Atrazine	0.179	0.188	-5.0	80	0.00
70 C	Pentachlorophenol	0.126	0.112	11.1	66	0.00
71	Phenanthrene	1.083	1.038	4.2	74	-0.01
72	Anthracene	1.111	1.071	3.6	75	0.00
73	Carbazole	0.959	0.921	4.0	76	0.00
74	Di-n-butylphthalate	0.999	1.051	-5.2	82	0.00
75 C	Fluoranthene	1.028	0.992	3.5	77	0.00
76 I	Chrysene-d12	1.000	1.000	0.0	83	0.00
77	Benzidine	0.751	0.874	-16.4	94	0.00
78	Pyrene	1.875	1.887	-0.6	90	0.00
79 S	Terphenyl-d14	1.447	1.366	5.6	85	0.00
80	Butylbenzylphthalate	0.544	0.594	-9.2	90	0.00
81	Benzo(a)anthracene	1.349	1.348	0.1	88	0.00
82	3,3'-Dichlorobenzidine	0.438	0.424	3.2	82	0.00
83	Chrysene	1.204	1.123	6.7	80	0.00
84	Bis(2-ethylhexyl)phthalate	0.782	0.847	-8.3	87	0.00
85 c	Di-n-octyl phthalate	1.475	1.461	0.9	83	-0.01
86 I	Perylene-d12	1.000	1.000	0.0	73	0.00
87	Indeno(1,2,3-cd)pyrene	1.523	1.408	7.6	70	0.00
88	Benzo(b)fluoranthene	1.157	1.268	-9.6	86	0.00
89	Benzo(k)fluoranthene	1.083	1.006	7.1	71	0.00
90 C	Benzo(a)pyrene	1.118	1.116	0.2	76	0.00
91	Dibenzo(a,h)anthracene	1.238	1.141	7.8	70	0.00
92	Benzo(g,h,i)perylene	1.234	1.137	7.9	70	0.00

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF070225\
Data File : BF142964.D
Acq On : 02 Jul 2025 11:41
Operator : RC/JU
Sample : SSTDCCC040
Misc :
ALS Vial : 2 Sample Multiplier: 1

Instrument :
BNA_F
LabSampleId :
SSTDCCC040

Quant Time: Jul 02 12:31:08 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

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\BF070225\
 Data File : BF142964.D
 Acq On : 02 Jul 2025 11:41
 Operator : RC/JU
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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	70	0.00
2	1,4-Dioxane	40.000	35.951	10.1	66	-0.02
3	Pyridine	40.000	36.607	8.5	67	-0.02
4	n-Nitrosodimethylamine	40.000	37.370	6.6	69	-0.02
5 S	2-Fluorophenol	80.000	78.264	2.2	72	0.00
6	Aniline	40.000	38.399	4.0	70	-0.01
7 S	Phenol-d6	80.000	77.015	3.7	72	0.00
8	2-Chlorophenol	40.000	38.633	3.4	71	0.00
9	Benzaldehyde	40.000	41.363	-3.4	81	0.00
10 C	Phenol	40.000	38.801	3.0	71	0.00
11	bis(2-Chloroethyl)ether	40.000	38.094	4.8	70	0.00
12	1,3-Dichlorobenzene	40.000	39.362	1.6	73	0.00
13 C	1,4-Dichlorobenzene	40.000	38.838	2.9	71	0.00
14	1,2-Dichlorobenzene	40.000	38.750	3.1	71	0.00
15	Benzyl Alcohol	40.000	39.888	0.3	74	0.00
16	2,2'-oxybis(1-Chloropropane	40.000	36.334	9.2	67	-0.01
17	2-Methylphenol	40.000	38.742	3.1	71	0.00
18	Hexachloroethane	40.000	39.504	1.2	71	0.00
19 P	n-Nitroso-di-n-propylamine	40.000	39.120	2.2	72	0.00
20	3+4-Methylphenols	40.000	39.858	0.4	73	0.00
21 I	Naphthalene-d8	20.000	20.000	0.0	71	-0.01
22	Acetophenone	40.000	38.808	3.0	73	0.00
23 S	Nitrobenzene-d5	80.000	83.519	-4.4	77	0.00
24	Nitrobenzene	40.000	38.821	2.9	72	0.00
25	Isophorone	40.000	38.611	3.5	73	0.00
26 C	2-Nitrophenol	40.000	39.896	0.3	72	0.00
27	2,4-Dimethylphenol	40.000	38.663	3.3	72	0.00
28	bis(2-Chloroethoxy)methane	40.000	38.695	3.3	72	0.00
29 C	2,4-Dichlorophenol	40.000	38.979	2.6	72	0.00
30	1,2,4-Trichlorobenzene	40.000	39.253	1.9	73	0.00
31	Naphthalene	40.000	38.685	3.3	72	0.00
32	Benzoic acid	40.000	35.216	12.0	64	0.00
33	4-Chloroaniline	40.000	39.223	1.9	74	0.00
34 C	Hexachlorobutadiene	40.000	39.233	1.9	72	-0.01
35	Caprolactam	40.000	40.458	-1.1	75	0.00
36 C	4-Chloro-3-methylphenol	40.000	39.235	1.9	73	0.00
37	2-Methylnaphthalene	40.000	39.587	1.0	74	-0.01
38	1-Methylnaphthalene	40.000	39.278	1.8	74	-0.01
39 I	Acenaphthene-d10	20.000	20.000	0.0	72	0.00
40	1,2,4,5-Tetrachlorobenzene	40.000	39.828	0.4	76	0.00
41 P	Hexachlorocyclopentadiene	40.000	31.704	20.7	57	-0.01
42 S	2,4,6-Tribromophenol	80.000	79.070	1.2	73	0.00
43 C	2,4,6-Trichlorophenol	40.000	38.549	3.6	73	0.00
44	2,4,5-Trichlorophenol	40.000	38.640	3.4	72	0.00
45 S	2-Fluorobiphenyl	80.000	83.974	-5.0	80	-0.01
46	1,1'-Biphenyl	40.000	39.088	2.3	74	-0.01
47	2-Chloronaphthalene	40.000	38.477	3.8	73	0.00

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF070225\
 Data File : BF142964.D
 Acq On : 02 Jul 2025 11:41
 Operator : RC/JU
 Sample : SSTDCCC040
 Misc :
 ALS Vial : 2 Sample Multiplier: 1

Instrument :
 BNA_F
 LabSampleId :
 SSTDCCC040

Quant Time: Jul 02 12:31:08 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

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	39.215	2.0	72	0.00
49	Acenaphthylene	40.000	38.960	2.6	74	0.00
50	Dimethylphthalate	40.000	39.199	2.0	74	-0.01
51	2,6-Dinitrotoluene	40.000	39.921	0.2	74	0.00
52 C	Acenaphthene	40.000	39.023	2.4	73	0.00
53	3-Nitroaniline	40.000	40.037	-0.1	75	0.00
54 P	2,4-Dinitrophenol	40.000	34.414	14.0	62	0.00
55	Dibenzofuran	40.000	38.685	3.3	73	0.00
56 P	4-Nitrophenol	40.000	45.854	-14.6	85	0.00
57	2,4-Dinitrotoluene	40.000	39.544	1.1	73	0.00
58	Fluorene	40.000	39.391	1.5	75	-0.01
59	2,3,4,6-Tetrachlorophenol	40.000	38.594	3.5	73	0.00
60	Diethylphthalate	40.000	40.377	-0.9	76	0.00
61	4-Chlorophenyl-phenylether	40.000	39.675	0.8	76	0.00
62	4-Nitroaniline	40.000	40.627	-1.6	77	0.00
63	Azobenzene	40.000	38.318	4.2	72	0.00
64 I	Phenanthrene-d10	20.000	20.000	0.0	74	0.00
65	4,6-Dinitro-2-methylphenol	40.000	37.330	6.7	70	0.00
66 c	n-Nitrosodiphenylamine	40.000	38.842	2.9	74	0.00
67	4-Bromophenyl-phenylether	40.000	39.212	2.0	76	-0.01
68	Hexachlorobenzene	40.000	38.023	4.9	74	0.00
69	Atrazine	40.000	41.917	-4.8	80	0.00
70 C	Pentachlorophenol	40.000	35.684	10.8	66	0.00
71	Phenanthrene	40.000	38.308	4.2	74	-0.01
72	Anthracene	40.000	38.570	3.6	75	0.00
73	Carbazole	40.000	38.432	3.9	76	0.00
74	Di-n-butylphthalate	40.000	42.104	-5.3	82	0.00
75 C	Fluoranthene	40.000	38.573	3.6	77	0.00
76 I	Chrysene-d12	20.000	20.000	0.0	83	0.00
77	Benzydine	40.000	46.514	-16.3	94	0.00
78	Pyrene	40.000	40.257	-0.6	90	0.00
79 S	Terphenyl-d14	80.000	75.514	5.6	85	0.00
80	Butylbenzylphthalate	40.000	43.714	-9.3	90	0.00
81	Benzo(a)anthracene	40.000	39.974	0.1	88	0.00
82	3,3'-Dichlorobenzidine	40.000	38.724	3.2	82	0.00
83	Chrysene	40.000	37.312	6.7	80	0.00
84	Bis(2-ethylhexyl)phthalate	40.000	43.293	-8.2	87	0.00
85 c	Di-n-octyl phthalate	40.000	39.616	1.0	83	-0.01
86 I	Perylene-d12	20.000	20.000	0.0	73	0.00
87	Indeno(1,2,3-cd)pyrene	40.000	36.965	7.6	70	0.00
88	Benzo(b)fluoranthene	40.000	43.830	-9.6	86	0.00
89	Benzo(k)fluoranthene	40.000	37.183	7.0	71	0.00
90 C	Benzo(a)pyrene	40.000	39.941	0.1	76	0.00
91	Dibenzo(a,h)anthracene	40.000	36.878	7.8	70	0.00
92	Benzo(g,h,i)perylene	40.000	36.836	7.9	70	0.00

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF070225\
Data File : BF142964.D
Acq On : 02 Jul 2025 11:41
Operator : RC/JU
Sample : SSTDCCC040
Misc :
ALS Vial : 2 Sample Multiplier: 1

Instrument :
BNA_F
LabSampleId :
SSTDCCC040

Quant Time: Jul 02 12:31:08 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

Min. RRF : 0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.50min
Max. RRF Dev : 25% Max. Rel. Area : 150%

Compound	Amount	Calc.	%Dev	Area%	Dev(min)

(#) = Out of Range SPCC's out = 0 CCC's out = 0



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

7C

SEMIVOLATILE CONTINUING CALIBRATION CHECK

Lab Name:	<u>Alliance</u>	Contract:	<u>CAMP02</u>
Lab Code:	<u>ACE</u>	SDG No.:	<u>Q2484</u>
Instrument ID:	<u>BNA_F</u>	Calibration Date/Time:	<u>07/03/2025 09:55</u>
Lab File ID:	<u>BF142987.D</u>	Init. Calib. Date(s):	<u>06/19/2025 06/19/2025</u>
EPA Sample No.:	<u>SSTDCCC040</u>	Init. Calib. Time(s):	<u>17:07 20:40</u>
GC Column:	<u>DB-UI</u>	ID:	<u>0.18</u> (mm)

COMPOUND	RRF	RRF040	MIN RRF	%D	MAX%D
2-Fluorophenol	1.201	1.155		-3.8	
Benzaldehyde	0.841	0.872		3.7	
Phenol-d6	1.417	1.350		-4.7	
Phenol	1.575	1.488		-5.5	20.0
bis(2-Chloroethyl)ether	1.126	1.068		-5.2	
2-Chlorophenol	1.296	1.258		-2.9	
2-Methylphenol	0.982	0.942		-4.1	
2,2-oxybis(1-Chloropropane)	1.809	1.607		-11.2	
Acetophenone	0.441	0.435		-1.4	
3+4-Methylphenols	1.224	1.205		-1.6	
n-Nitroso-di-n-propylamine	0.824	0.783	0.050	-5.0	
Nitrobenzene-d5	0.365	0.383		4.9	
Hexachloroethane	0.511	0.494		-3.3	
Nitrobenzene	0.330	0.319		-3.3	
Isophorone	0.585	0.556		-5.0	
2-Nitrophenol	0.180	0.181		0.6	20.0
2,4-Dimethylphenol	0.311	0.288		-7.4	
bis(2-Chloroethoxy)methane	0.372	0.360		-3.2	
2,4-Dichlorophenol	0.282	0.274		-2.8	20.0
Naphthalene	0.979	0.960		-1.9	
4-Chloroaniline	0.398	0.386		-3.0	
Hexachlorobutadiene	0.190	0.191		0.5	20.0
Caprolactam	0.075	0.071		-5.3	
4-Chloro-3-methylphenol	0.281	0.270		-3.9	20.0
2-Methylnaphthalene	0.607	0.585		-3.6	
Hexachlorocyclopentadiene	0.335	0.268	0.050	-20.0	
2,4,6-Trichlorophenol	0.385	0.379		-1.6	20.0
2-Fluorobiphenyl	1.522	1.626		6.8	
2,4,5-Trichlorophenol	0.405	0.404		-0.2	
1,1-Biphenyl	1.580	1.566		-0.9	
2-Chloronaphthalene	1.186	1.170		-1.3	
2-Nitroaniline	0.332	0.323		-2.7	
Dimethylphthalate	1.295	1.278		-1.3	
Acenaphthylene	1.952	1.899		-2.7	
2,6-Dinitrotoluene	0.284	0.278		-2.1	
3-Nitroaniline	0.313	0.303		-3.2	
Acenaphthene	1.191	1.172		-1.6	20.0
2,4-Dinitrophenol	0.142	0.131	0.050	-7.7	
4-Nitrophenol	0.214	0.226	0.050	5.6	



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

7C

SEMIVOLATILE CONTINUING CALIBRATION CHECK

Lab Name: Alliance Contract: CAMP02
 Lab Code: ACE SDG No.: Q2484
 Instrument ID: BNA_F Calibration Date/Time: 07/03/2025 09:55
 Lab File ID: BF142987.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	1.633		-4.4	
2,4-Dinitrotoluene	0.378	0.365		-3.4	
Diethylphthalate	1.269	1.256		-1.0	
4-Chlorophenyl-phenylether	0.636	0.627		-1.4	
Fluorene	1.334	1.318		-1.2	
4-Nitroaniline	0.286	0.271		-5.2	
4,6-Dinitro-2-methylphenol	0.121	0.117		-3.3	
n-Nitrosodiphenylamine	0.693	0.695		0.3	20.0
2,4,6-Tribromophenol	0.206	0.200		-2.9	
4-Bromophenyl-phenylether	0.228	0.231		1.3	
Hexachlorobenzene	0.253	0.247		-2.4	
Atrazine	0.179	0.189		5.6	
Pentachlorophenol	0.126	0.112		-11.1	20.0
Phenanthrene	1.083	1.056		-2.5	
Anthracene	1.111	1.095		-1.4	
Carbazole	0.959	0.918		-4.3	
Di-n-butylphthalate	0.999	1.042		4.3	
Fluoranthene	1.028	0.963		-6.3	20.0
Pyrene	1.875	1.861		-0.7	
Terphenyl-d14	1.447	1.388		-4.1	
Butylbenzylphthalate	0.544	0.616		13.2	
3,3-Dichlorobenzidine	0.438	0.467		6.6	
Benzo (a) anthracene	1.349	1.360		0.8	
Chrysene	1.204	1.153		-4.2	
Bis(2-ethylhexyl)phthalate	0.782	0.921		17.8	
Di-n-octyl phthalate	1.475	1.699		15.2	20.0
Benzo (b) fluoranthene	1.157	1.162		0.4	
Benzo (k) fluoranthene	1.083	1.015		-6.3	
Benzo (a) pyrene	1.118	1.091		-2.4	20.0
Indeno (1,2,3-cd) pyrene	1.523	1.412		-7.3	
Dibenzo (a,h) anthracene	1.238	1.144		-7.6	
Benzo (g,h,i) perylene	1.234	1.104		-10.5	
1,2,4,5-Tetrachlorobenzene	0.590	0.594		0.7	
1,4-Dioxane	0.480	0.430		-10.4	20.0
2,3,4,6-Tetrachlorophenol	0.326	0.310		-4.9	

All other compounds must meet a minimum RRF of 0.010.

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF070325\
 Data File : BF142987.D
 Acq On : 03 Jul 2025 09:55
 Operator : RC/JU
 Sample : SSTDCCC040
 Misc :
 ALS Vial : 2 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 SSTDCCC040

Quant Time: Jul 03 11:17:06 2025
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF061925.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Tue Jun 24 05:28:21 2025
 Response via : Initial Calibration

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

Internal Standards						
1) 1,4-Dichlorobenzene-d4	6.875	152	62161	20.000	ng	0.00
21) Naphthalene-d8	8.157	136	229765	20.000	ng	-0.01
39) Acenaphthene-d10	9.916	164	116751	20.000	ng	0.00
64) Phenanthrene-d10	11.404	188	185461	20.000	ng	0.00
76) Chrysene-d12	14.051	240	107728	20.000	ng	0.00
86) Perylene-d12	15.545	264	131364	20.000	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.493	112	287239	76.934	ng	0.00
7) Phenol-d6	6.510	99	335649	76.199	ng	0.00
23) Nitrobenzene-d5	7.440	82	352226	84.085	ng	0.00
42) 2,4,6-Tribromophenol	10.710	330	93379	77.722	ng	0.00
45) 2-Fluorobiphenyl	9.234	172	759551	85.464	ng	-0.01
79) Terphenyl-d14	12.992	244	598225	76.727	ng	0.00
Target Compounds						
						Qvalue
2) 1,4-Dioxane	2.622	88	53465	35.803	ng	99
3) Pyridine	3.399	79	134024	35.799	ng	98
4) n-Nitrosodimethylamine	3.346	42	70336	36.332	ng	97
6) Aniline	6.540	93	218104	37.212	ng	97
8) 2-Chlorophenol	6.663	128	156373	38.827	ng	96
9) Benzaldehyde	6.428	77	108361	41.465	ng	98
10) Phenol	6.522	94	185049	37.793	ng	90
11) bis(2-Chloroethyl)ether	6.610	93	132714	37.924	ng	97
12) 1,3-Dichlorobenzene	6.816	146	174345	38.707	ng	100
13) 1,4-Dichlorobenzene	6.893	146	175396	38.596	ng	99
14) 1,2-Dichlorobenzene	7.045	146	167185	38.787	ng	100
15) Benzyl Alcohol	7.016	79	122618	38.506	ng	99
16) 2,2'-oxybis(1-Chloropr...	7.146	45	199779	35.533	ng	85
17) 2-Methylphenol	7.128	107	117070	38.358	ng	99
18) Hexachloroethane	7.387	117	61470	38.672	ng	95
19) n-Nitroso-di-n-propyla...	7.287	70	97286	37.974	ng	99
20) 3+4-Methylphenols	7.287	107	149761	39.355	ng	94
22) Acetophenone	7.287	105	199714	39.417	ng	100
24) Nitrobenzene	7.457	77	146546	38.653	ng	99
25) Isophorone	7.698	82	255453	38.016	ng	100
26) 2-Nitrophenol	7.775	139	83211	40.290	ng	100
27) 2,4-Dimethylphenol	7.810	122	132297	36.981	ng	98
28) bis(2-Chloroethoxy)met...	7.904	93	165636	38.772	ng	99
29) 2,4-Dichlorophenol	8.022	162	126088	38.871	ng	99
30) 1,2,4-Trichlorobenzene	8.098	180	138995	38.968	ng	99
31) Naphthalene	8.181	128	441104	39.221	ng	100
32) Benzoic acid	7.922	122	59400	32.577	ng	98
33) 4-Chloroaniline	8.228	127	177185	38.745	ng	99
34) Hexachlorobutadiene	8.292	225	87828	40.255	ng	99
35) Caprolactam	8.604	113	32839	38.365	ng	91
36) 4-Chloro-3-methylphenol	8.710	107	124017	38.469	ng	98
37) 2-Methylnaphthalene	8.875	142	268912	38.568	ng	100
38) 1-Methylnaphthalene	8.969	142	280877	38.914	ng	99
40) 1,2,4,5-Tetrachloroben...	9.039	216	138759	40.279	ng	99
41) Hexachlorocyclopentadiene	9.022	237	62479	31.960	ng	98
43) 2,4,6-Trichlorophenol	9.151	196	88434	39.395	ng	99

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF070325\
 Data File : BF142987.D
 Acq On : 03 Jul 2025 09:55
 Operator : RC/JU
 Sample : SSTDCCC040
 Misc :
 ALS Vial : 2 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 SSTDCCC040

Quant Time: Jul 03 11:17:06 2025
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF061925.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Tue Jun 24 05:28:21 2025
 Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
44) 2,4,5-Trichlorophenol	9.198	196	94408	39.952	ng	98
46) 1,1'-Biphenyl	9.339	154	365699	39.652	ng	100
47) 2-Chloronaphthalene	9.363	162	273280	39.486	ng	100
48) 2-Nitroaniline	9.457	65	75404	38.861	ng	99
49) Acenaphthylene	9.781	152	443510	38.927	ng	100
50) Dimethylphthalate	9.634	163	298300	39.472	ng	100
51) 2,6-Dinitrotoluene	9.704	165	64947	39.133	ng	95
52) Acenaphthene	9.951	154	273709m	39.375	ng	
53) 3-Nitroaniline	9.869	138	70835	38.765	ng	98
54) 2,4-Dinitrophenol	9.986	184	30559	36.773	ng	96
55) Dibenzofuran	10.122	168	381239	38.246	ng	99
56) 4-Nitrophenol	10.039	139	52736	42.156	ng	98
57) 2,4-Dinitrotoluene	10.110	165	85245	38.668	ng	94
58) Fluorene	10.469	166	307774	39.535	ng	98
59) 2,3,4,6-Tetrachlorophenol	10.245	232	72431	38.026	ng	95
60) Diethylphthalate	10.334	149	293374	39.592	ng	99
61) 4-Chlorophenyl-phenyle...	10.457	204	146416	39.414	ng	99
62) 4-Nitroaniline	10.486	138	63187	37.809	ng	98
63) Azobenzene	10.616	77	250925	37.889	ng	99
65) 4,6-Dinitro-2-methylph...	10.522	198	43324	38.620	ng	97
66) n-Nitrosodiphenylamine	10.575	169	257976	40.136	ng	99
67) 4-Bromophenyl-phenylether	10.945	248	85828	40.663	ng	96
68) Hexachlorobenzene	11.016	284	91556	39.037	ng	98
69) Atrazine	11.098	200	70039	42.197	ng	100
70) Pentachlorophenol	11.216	266	41380	35.407	ng	99
71) Phenanthrene	11.433	178	391835	39.002	ng	100
72) Anthracene	11.480	178	406285	39.432	ng	100
73) Carbazole	11.639	167	340680	38.315	ng	100
74) Di-n-butylphthalate	11.963	149	386639	41.741	ng	99
75) Fluoranthene	12.622	202	357341	37.478	ng	99
77) Benzidine	12.745	184	196289	48.497	ng	99
78) Pyrene	12.851	202	400958	39.708	ng	99
80) Butylbenzylphthalate	13.463	149	132794	45.336	ng	96
81) Benzo(a)anthracene	14.039	228	293122	40.334	ng	99
82) 3,3'-Dichlorobenzidine	14.004	252	100692	42.716	ng	98
83) Chrysene	14.080	228	248524	38.324	ng	99
84) Bis(2-ethylhexyl)phtha...	14.022	149	198476	47.096	ng	99
85) Di-n-octyl phthalate	14.633	149	366137	46.074	ng	98
87) Indeno(1,2,3-cd)pyrene	17.068	276	370993	37.078	ng	98
88) Benzo(b)fluoranthene	15.110	252	305182	40.149	ng	99
89) Benzo(k)fluoranthene	15.133	252	266707	37.503	ng	100
90) Benzo(a)pyrene	15.486	252	286573	39.025	ng	98
91) Dibenzo(a,h)anthracene	17.080	278	300677	36.984	ng	98
92) Benzo(g,h,i)perylene	17.521	276	289923	35.763	ng	98

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

Instrument :
BNA_F
ClientSampleId :
SSTDCCC040

Abundance

TIC: BF142987.D\data.ms

Time-->

1,4-Dioxane

n-Nitrosodiphenylamine,

2-Fluorophenol, S

Benzaldehyde

Phenol, C

Phenol-d6, S

Bis(2-chloroethyl) ether

1,4-Dichlorobenzene, C

2,2'-Bis(4-chlorophenyl)propane

Hexachlorobenzene

Nitrobenzene-d5, S

Hexachlorobenzene

Nitrobenzene

Bis(2-chloroethyl) ether

2-Nitrophenol

Dimethylphenol

Benzoic acid

2,4-Dichlorophenol, P

Naphthalene

2,4,5-Trichlorobenzene

2,4,6-Trichlorobenzene

Caprolactam

4-Chloro-3-methylphenol, C

Hexachlorobenzene

2,4,5-Trichlorophenol, C

2,4,6-Trichlorophenol, C

2-Chloronaphthalene

2-Nitroaniline

2,6-Dinitrotoluene

Dimethylphthalate

3-Nitroaniline

Acenaphthylene

Acenaphthene, C

2,4-Dinitrotoluene

Dibenzofuran

2,3,4,6-Tetrachlorophenylphthalate

2,3,4,6-Tetrachlorophenylphthalate

4-Chlorophenyl-phenylether

2,3,4,6-Tetrachlorophenylphthalate

2,3,4,6-Tetrachlorophenylphthalate

4-Chlorophenyl-phenylether

Phenanthrene

Atrazine

4-Bromobenzylphenylether

Phenanthrene

410.1

Carbazole

Di-n-butylphthalate

Benzidine

Fluoranthene, C

Pyrene

Terphenyl-d14, S

Butylbenzylphthalate

2,3-Dichlorophenylphthalate

2,3-Dichlorophenylphthalate

Di-n-octyl phthalate, c

Benzo(a)pyrene

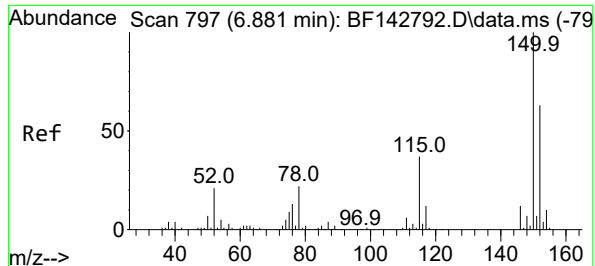
Benzo(b)fluoranthene

Perylene-d12, i

Benzo(a)pyrene, C

Dibenz(a,h)anthracene

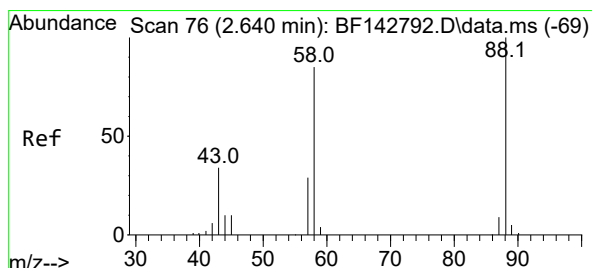
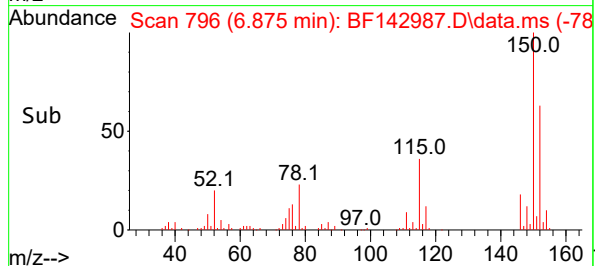
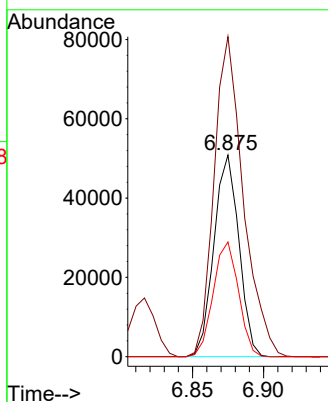
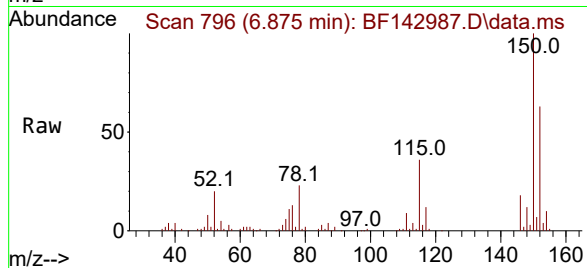
Benzo(g,h,i)perylene



#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.875 min Scan# 79
Delta R.T. -0.006 min
Lab File: BF142987.D
Acq: 03 Jul 2025 09:55

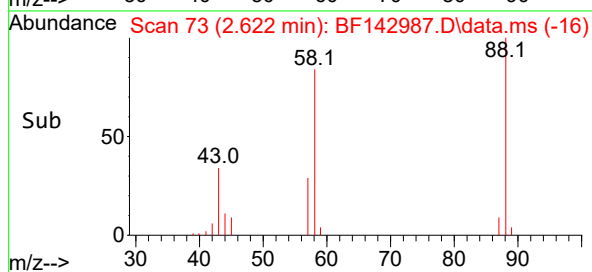
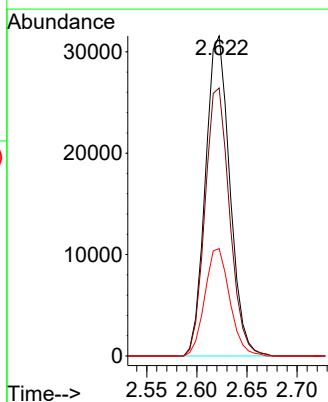
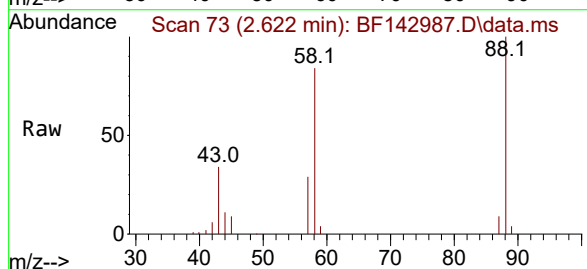
Instrument :
BNA_F
ClientSampleId :
SSTDCCC040

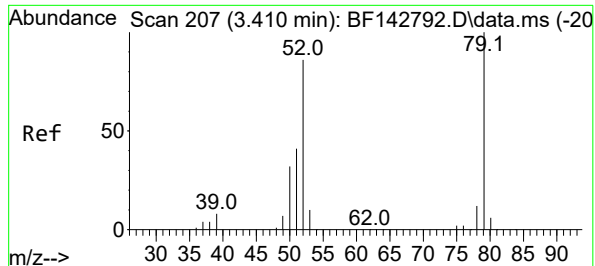
Tgt Ion:152 Resp: 62161
Ion Ratio Lower Upper
152 100
150 158.7 127.2 190.8
115 56.9 46.6 69.8



#2
1,4-Dioxane
Concen: 35.803 ng
RT: 2.622 min Scan# 73
Delta R.T. -0.017 min
Lab File: BF142987.D
Acq: 03 Jul 2025 09:55

Tgt Ion: 88 Resp: 53465
Ion Ratio Lower Upper
88 100
58 84.6 69.1 103.7
43 34.3 27.4 41.2

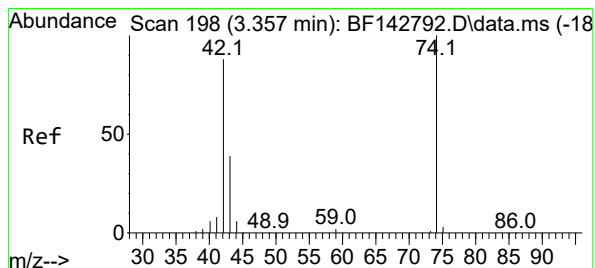
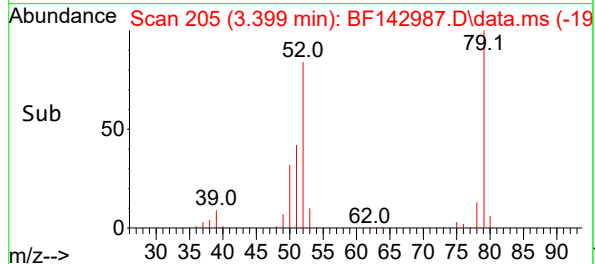
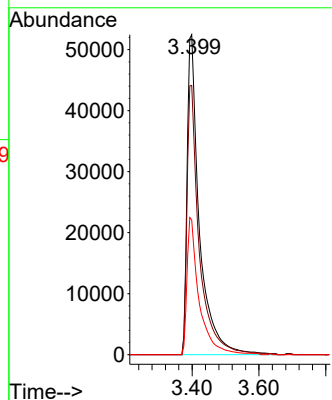
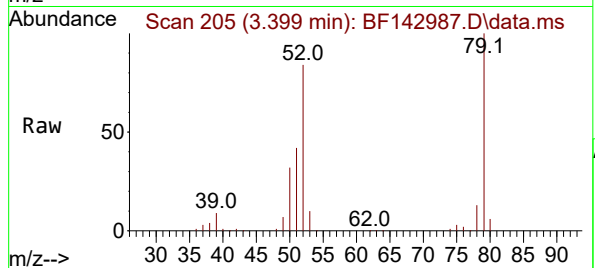




#3
Pyridine
Concen: 35.799 ng
RT: 3.399 min Scan# 207
Delta R.T. -0.012 min
Lab File: BF142987.D
Acq: 03 Jul 2025 09:55

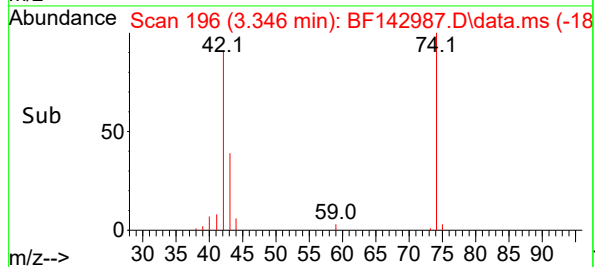
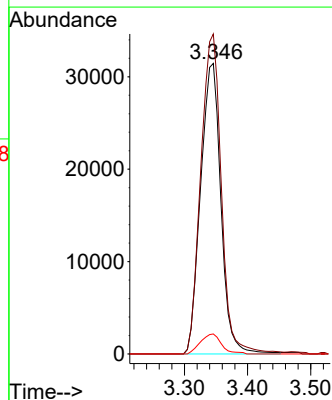
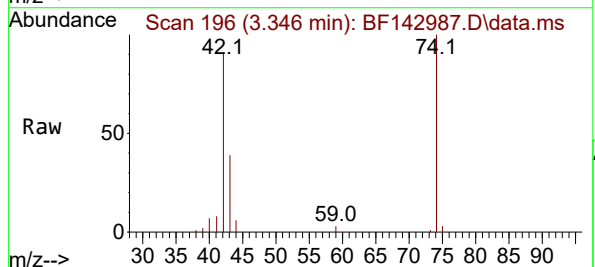
Instrument :
BNA_F
ClientSampleId :
SSTDCCC040

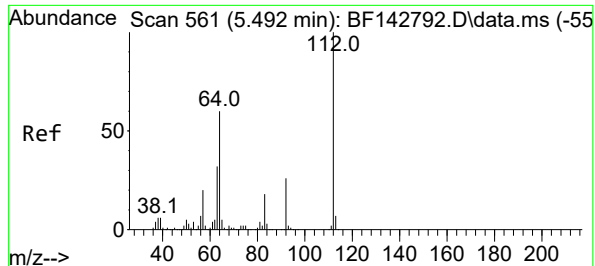
Tgt Ion: 79 Resp: 134024
Ion Ratio Lower Upper
79 100
52 84.2 69.2 103.8
51 42.1 33.2 49.8



#4
n-Nitrosodimethylamine
Concen: 36.332 ng
RT: 3.346 min Scan# 196
Delta R.T. -0.012 min
Lab File: BF142987.D
Acq: 03 Jul 2025 09:55

Tgt Ion: 42 Resp: 70336
Ion Ratio Lower Upper
42 100
74 110.2 90.9 136.3
44 6.9 5.8 8.6

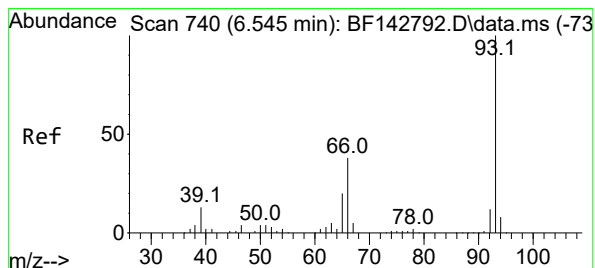
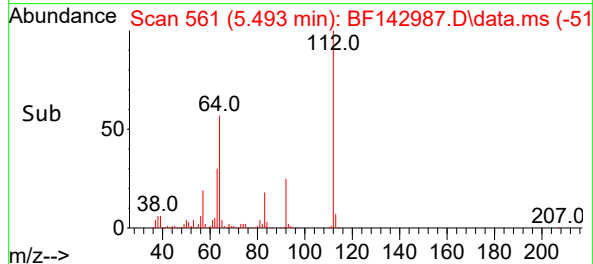
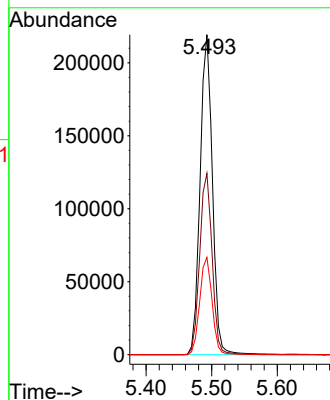
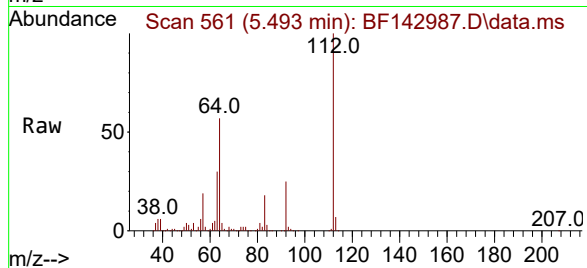




#5
2-Fluorophenol
Concen: 76.934 ng
RT: 5.493 min Scan# 501
Delta R.T. 0.001 min
Lab File: BF142987.D
Acq: 03 Jul 2025 09:55

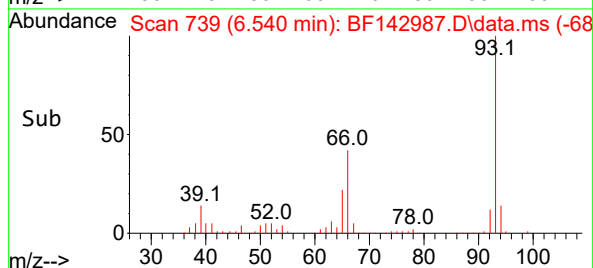
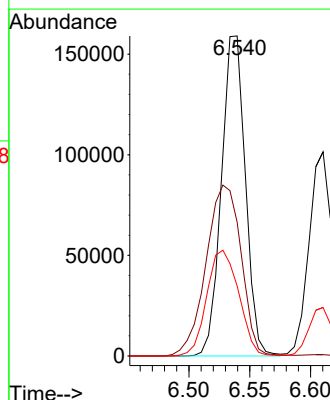
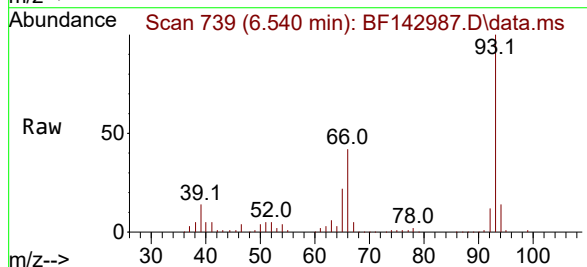
Instrument :
BNA_F
ClientSampleId :
SSTDCCC040

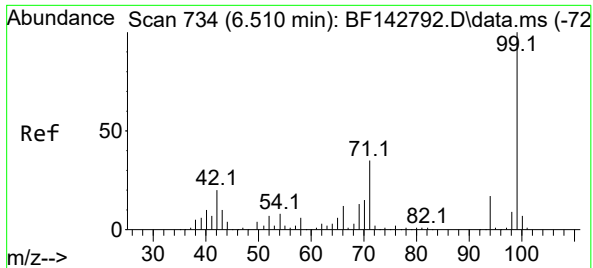
Tgt Ion:112 Resp: 287239
Ion Ratio Lower Upper
112 100
64 56.7 48.2 72.2
63 30.4 25.7 38.5



#6
Aniline
Concen: 37.212 ng
RT: 6.540 min Scan# 739
Delta R.T. -0.006 min
Lab File: BF142987.D
Acq: 03 Jul 2025 09:55

Tgt Ion: 93 Resp: 218104
Ion Ratio Lower Upper
93 100
66 41.8 31.8 47.6
65 21.9 16.2 24.2

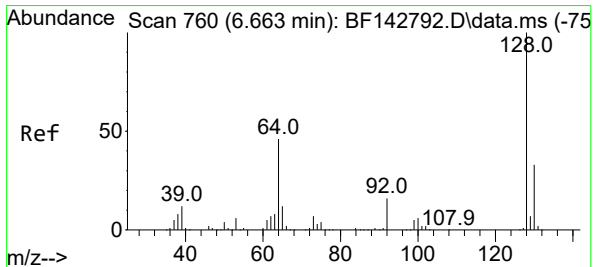
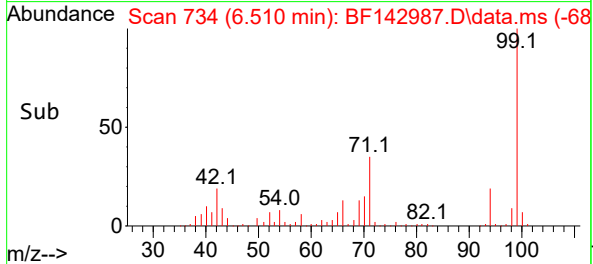
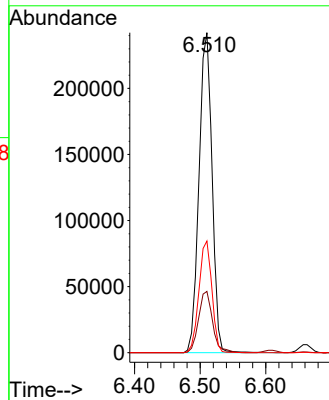
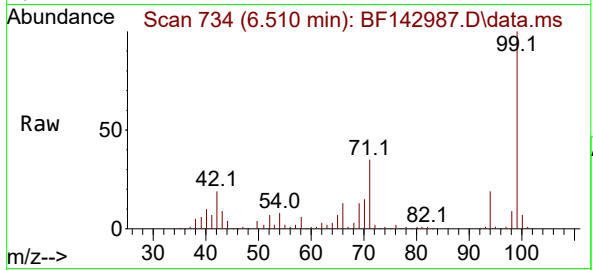




#7
Phenol-d6
Concen: 76.199 ng
RT: 6.510 min Scan# 710
Delta R.T. 0.000 min
Lab File: BF142987.D
Acq: 03 Jul 2025 09:55

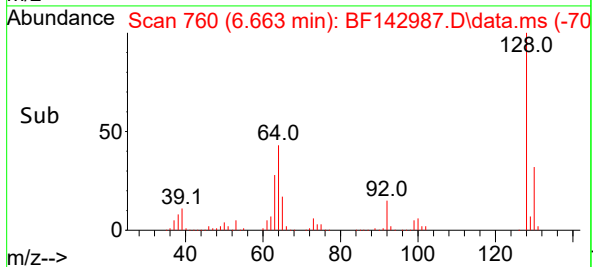
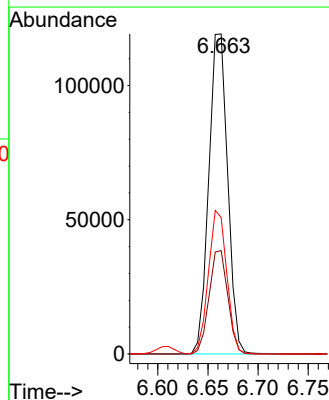
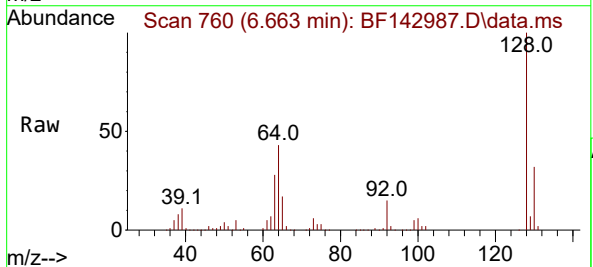
Instrument :
BNA_F
ClientSampleId :
SSTDCCC040

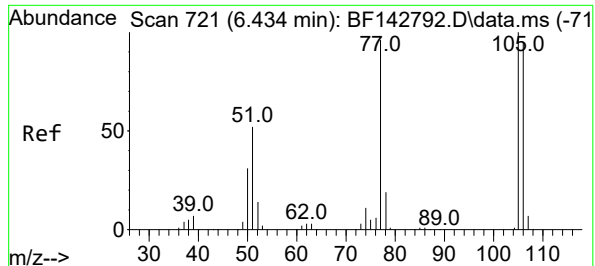
Tgt Ion: 99 Resp: 335649
Ion Ratio Lower Upper
99 100
42 19.2 15.9 23.9
71 34.9 27.8 41.8



#8
2-Chlorophenol
Concen: 38.827 ng
RT: 6.663 min Scan# 760
Delta R.T. 0.000 min
Lab File: BF142987.D
Acq: 03 Jul 2025 09:55

Tgt Ion: 128 Resp: 156373
Ion Ratio Lower Upper
128 100
130 32.3 12.7 52.7
64 42.6 26.5 66.5





#9

Benzaldehyde

Concen: 41.465 ng

RT: 6.428 min Scan# 721

Delta R.T. -0.006 min

Lab File: BF142987.D

Acq: 03 Jul 2025 09:55

Instrument :

BNA_F

ClientSampleId :

SSTDCCC040

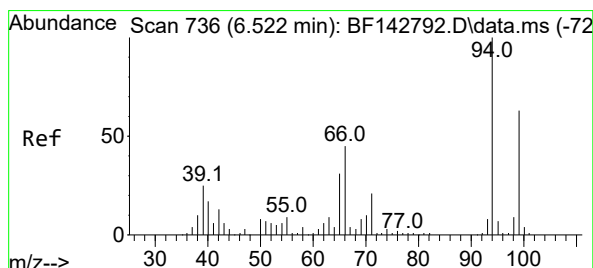
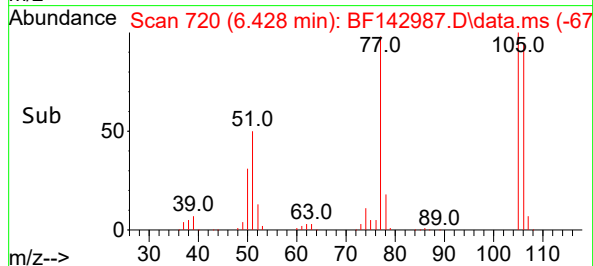
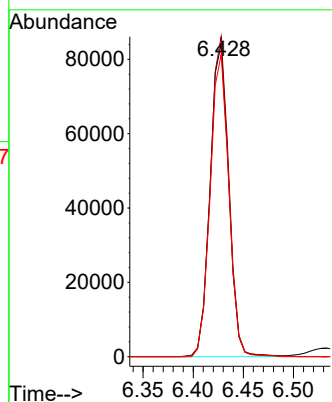
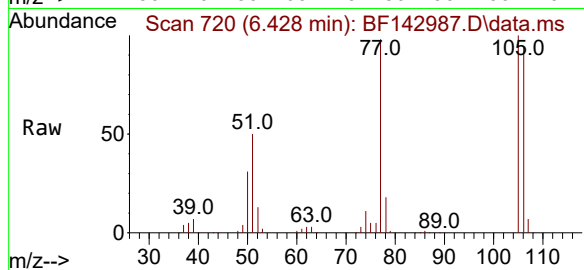
Tgt Ion: 77 Resp: 108361

Ion Ratio Lower Upper

77 100

105 102.3 83.8 123.8

106 96.6 78.7 118.7



#10

Phenol

Concen: 37.793 ng

RT: 6.522 min Scan# 736

Delta R.T. 0.000 min

Lab File: BF142987.D

Acq: 03 Jul 2025 09:55

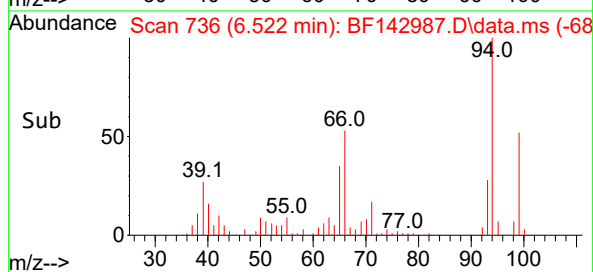
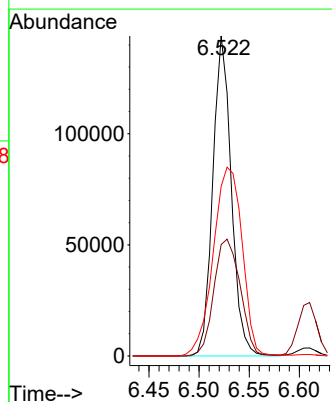
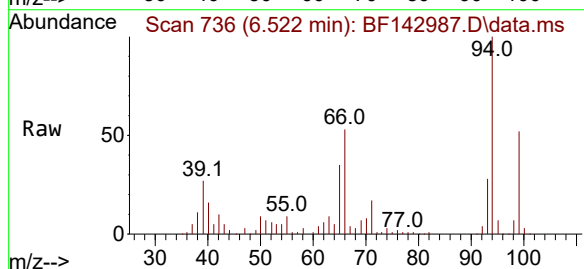
Tgt Ion: 94 Resp: 185049

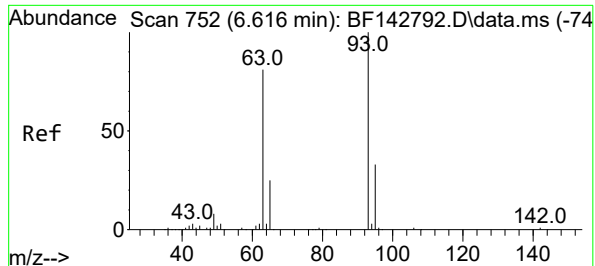
Ion Ratio Lower Upper

94 100

65 34.8 11.3 51.3

66 53.0 24.9 64.9

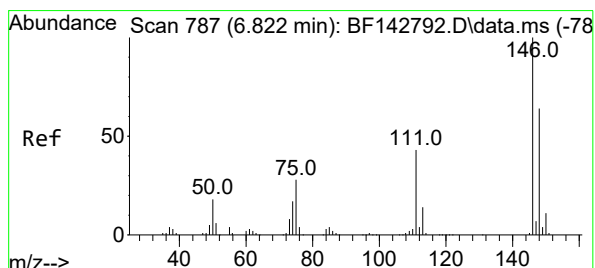
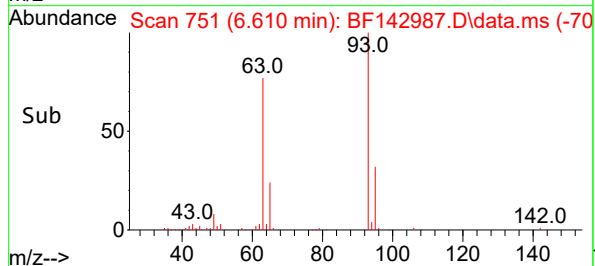
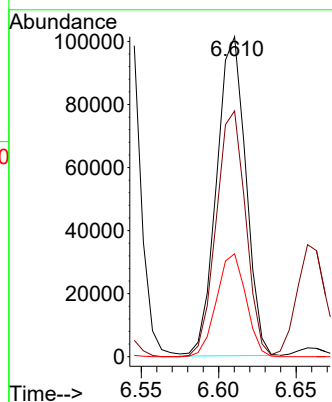
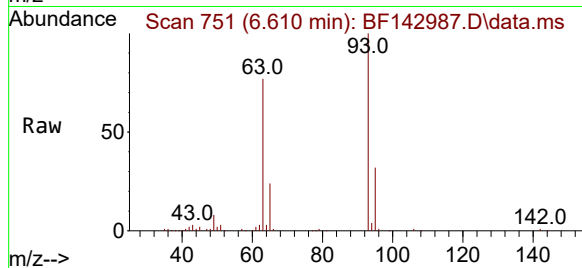




#11
bis(2-Chloroethyl)ether
Concen: 37.924 ng
RT: 6.610 min Scan# 751
Delta R.T. -0.006 min
Lab File: BF142987.D
Acq: 03 Jul 2025 09:55

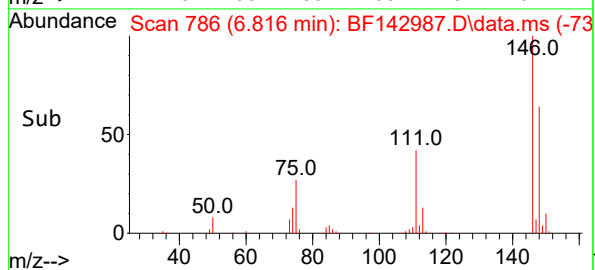
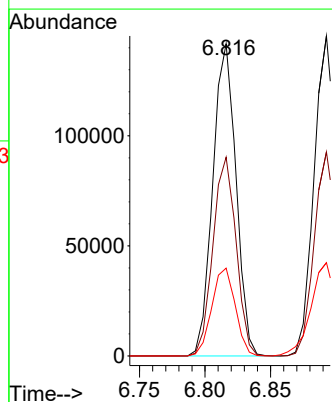
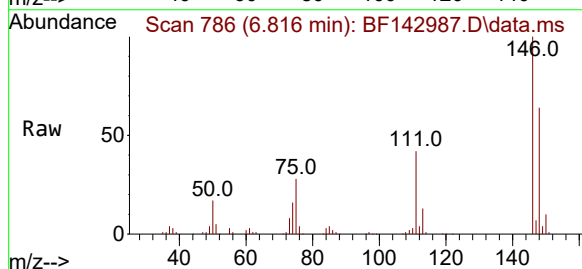
Instrument :
BNA_F
ClientSampleId :
SSTDCCC040

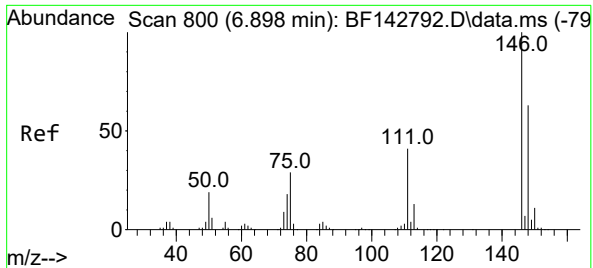
Tgt Ion: 93 Resp: 132714
Ion Ratio Lower Upper
93 100
63 76.8 60.3 100.3
95 32.2 12.5 52.5



#12
1,3-Dichlorobenzene
Concen: 38.707 ng
RT: 6.816 min Scan# 786
Delta R.T. -0.006 min
Lab File: BF142987.D
Acq: 03 Jul 2025 09:55

Tgt Ion:146 Resp: 174345
Ion Ratio Lower Upper
146 100
148 63.7 51.1 76.7
75 28.2 22.7 34.1





#13

1,4-Dichlorobenzene

Concen: 38.596 ng

RT: 6.893 min Scan# 79

Delta R.T. -0.006 min

Lab File: BF142987.D

Acq: 03 Jul 2025 09:55

Instrument :

BNA_F

ClientSampleId :

SSTDCCC040

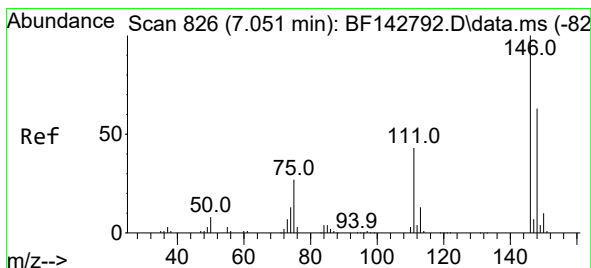
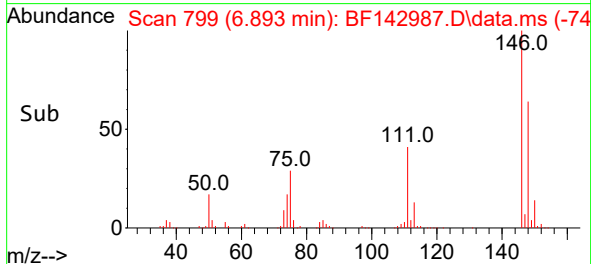
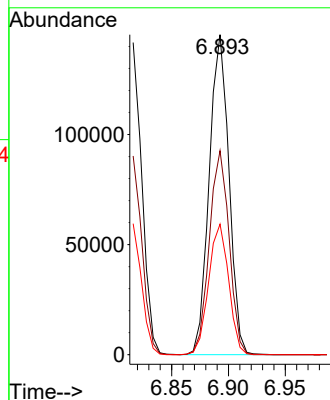
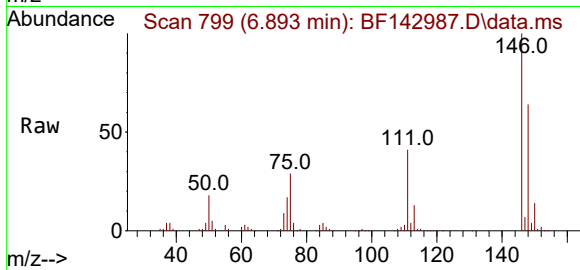
Tgt Ion:146 Resp: 175396

Ion Ratio Lower Upper

146 100

148 63.8 50.2 75.2

111 40.8 33.2 49.8



#14

1,2-Dichlorobenzene

Concen: 38.787 ng

RT: 7.045 min Scan# 825

Delta R.T. -0.006 min

Lab File: BF142987.D

Acq: 03 Jul 2025 09:55

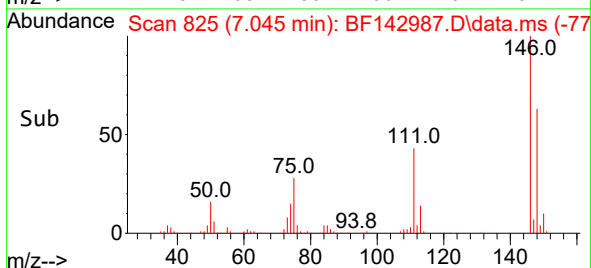
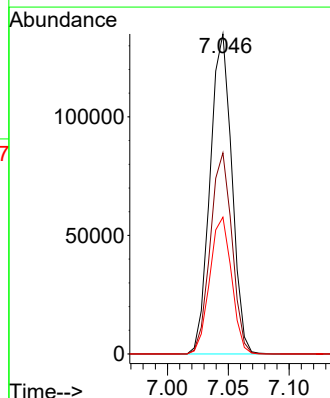
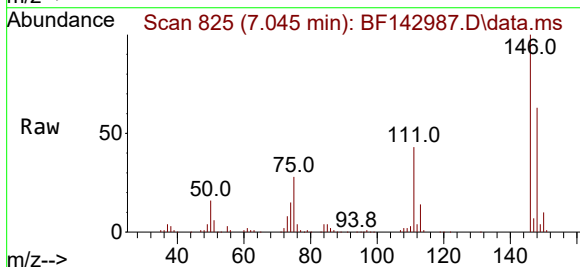
Tgt Ion:146 Resp: 167185

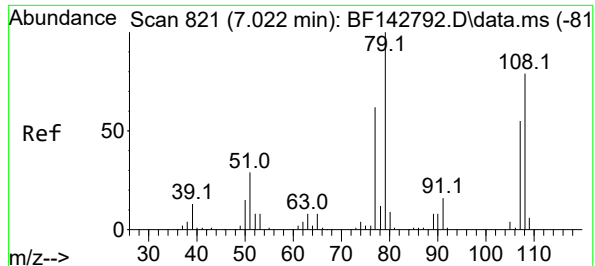
Ion Ratio Lower Upper

146 100

148 62.9 50.4 75.6

111 42.8 34.1 51.1





#15

Benzyl Alcohol

Concen: 38.506 ng

RT: 7.016 min Scan# 81

Delta R.T. -0.006 min

Lab File: BF142987.D

Acq: 03 Jul 2025 09:55

Instrument :

BNA_F

ClientSampleId :

SSTDCCC040

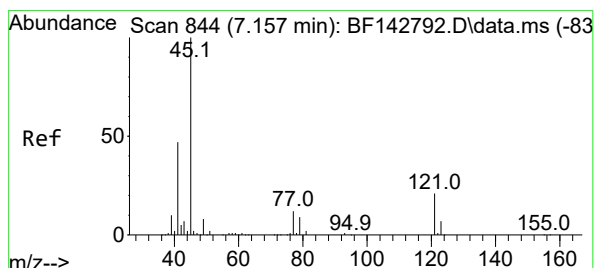
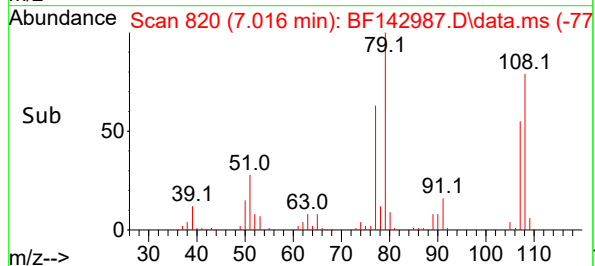
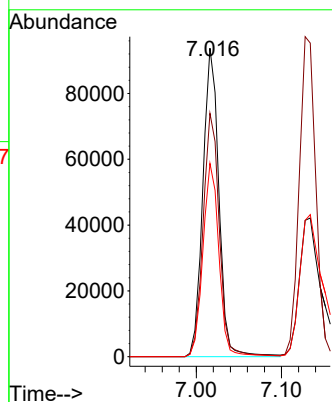
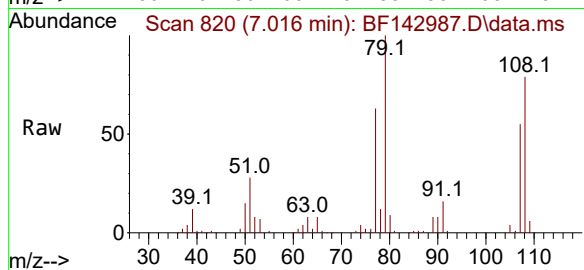
Tgt Ion: 79 Resp: 122618

Ion Ratio Lower Upper

79 100

108 78.9 63.4 95.0

77 62.7 49.5 74.3



#16

2,2'-oxybis(1-Chloropropane)

Concen: 35.533 ng

RT: 7.146 min Scan# 842

Delta R.T. -0.012 min

Lab File: BF142987.D

Acq: 03 Jul 2025 09:55

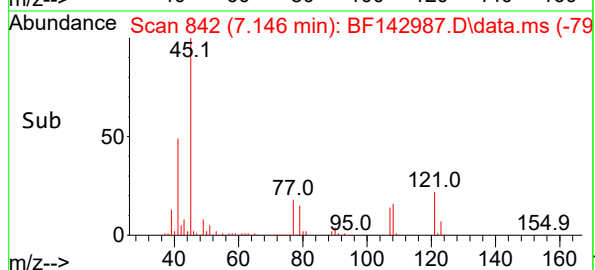
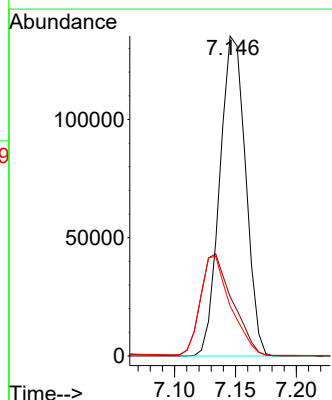
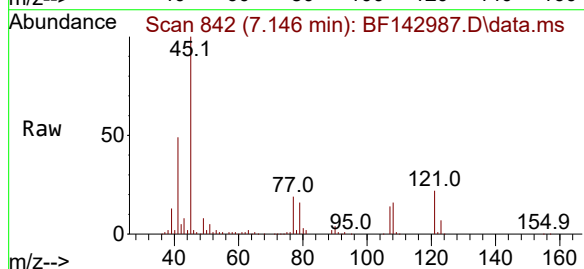
Tgt Ion: 45 Resp: 199779

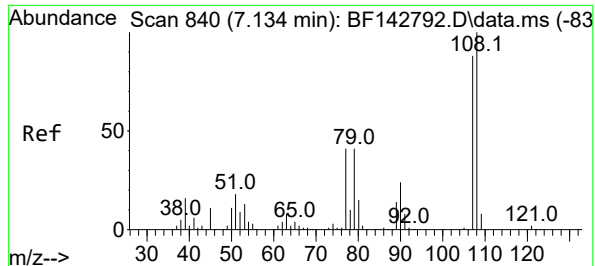
Ion Ratio Lower Upper

45 100

77 18.5 0.0 32.8

79 15.6 0.0 29.8

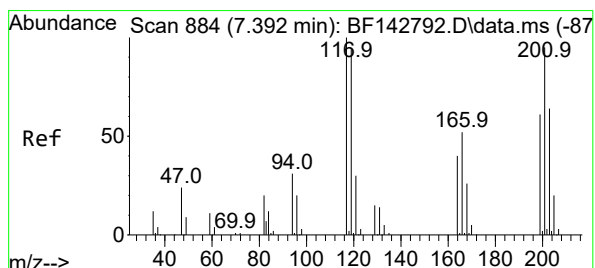
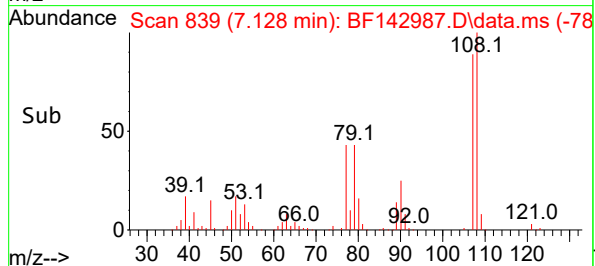
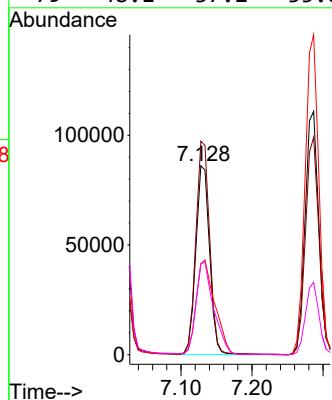
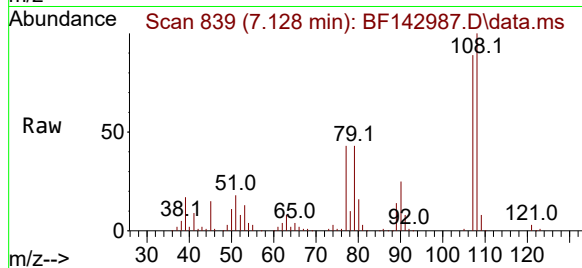




#17
2-Methylphenol
Concen: 38.358 ng
RT: 7.128 min Scan# 81
Delta R.T. -0.006 min
Lab File: BF142987.D
Acq: 03 Jul 2025 09:55

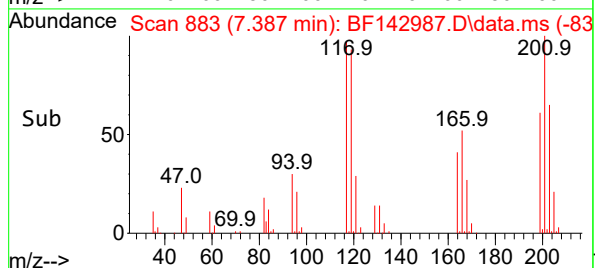
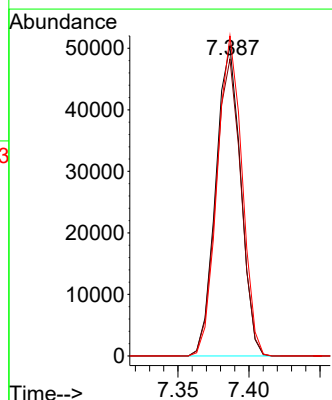
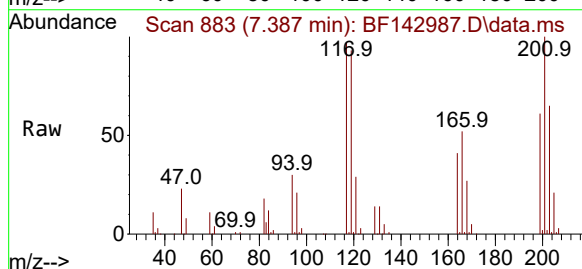
Instrument :
BNA_F
ClientSampleId :
SSTDCCC040

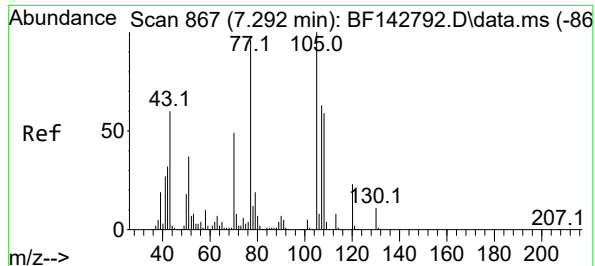
Tgt Ion:107 Resp: 117070
Ion Ratio Lower Upper
107 100
108 113.0 90.9 136.3
77 48.2 37.3 55.9
79 48.1 37.2 55.8



#18
Hexachloroethane
Concen: 38.672 ng
RT: 7.387 min Scan# 883
Delta R.T. -0.006 min
Lab File: BF142987.D
Acq: 03 Jul 2025 09:55

Tgt Ion:117 Resp: 61470
Ion Ratio Lower Upper
117 100
119 95.8 75.4 113.0
201 103.2 75.9 113.9





#19

n-Nitroso-di-n-propylamine

Concen: 37.974 ng

RT: 7.287 min Scan# 866

Delta R.T. -0.006 min

Lab File: BF142987.D

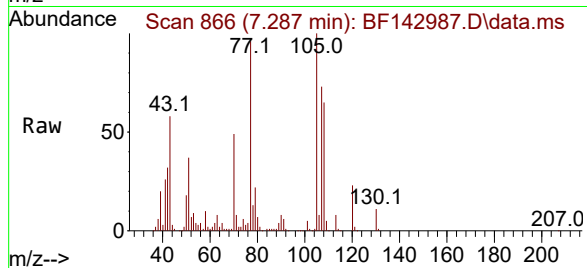
Acq: 03 Jul 2025 09:55

Instrument :

BNA_F

ClientSampleId :

SSTDCCC040



Tgt Ion: 70 Resp: 97286

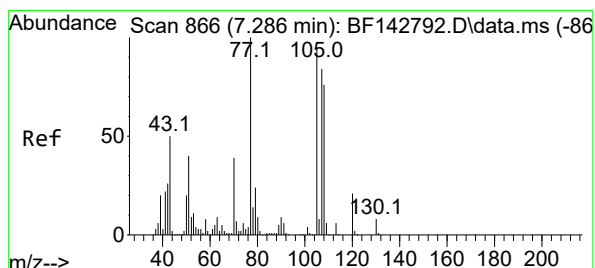
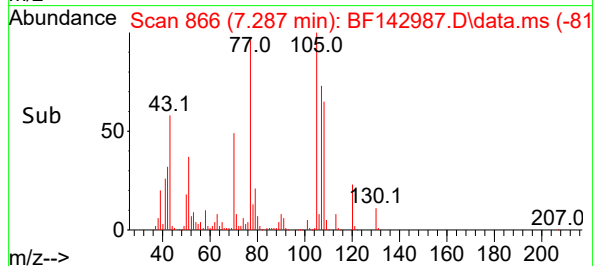
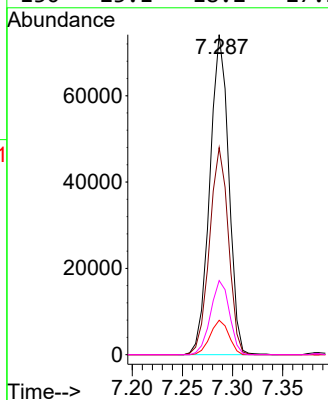
Ion Ratio Lower Upper

70 100

42 64.7 52.1 78.1

101 10.8 8.2 12.2

130 23.1 18.2 27.2



#20

3+4-Methylphenols

Concen: 39.355 ng

RT: 7.287 min Scan# 866

Delta R.T. 0.000 min

Lab File: BF142987.D

Acq: 03 Jul 2025 09:55

Tgt Ion:107 Resp: 149761

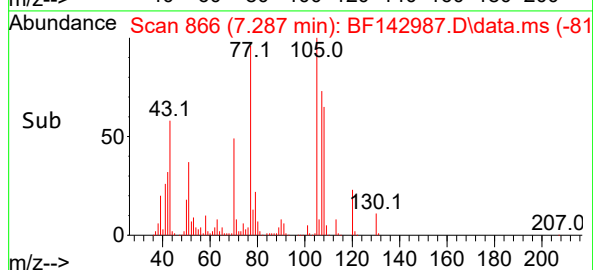
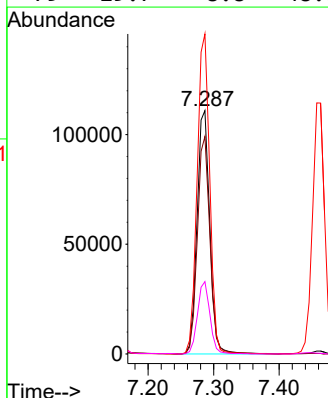
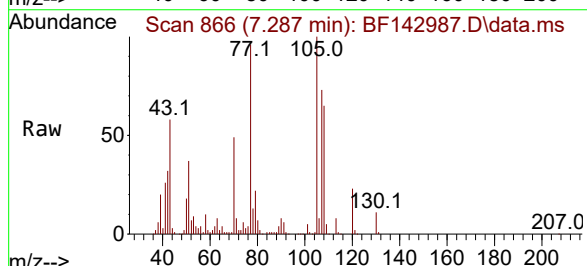
Ion Ratio Lower Upper

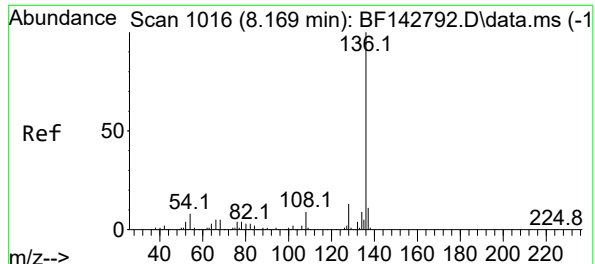
107 100

108 89.4 70.0 110.0

77 131.5 98.5 138.5

79 29.7 8.8 48.8





#21

Naphthalene-d8

Concen: 20.000 ng

RT: 8.157 min Scan# 1016

Delta R.T. -0.012 min

Lab File: BF142987.D

Acq: 03 Jul 2025 09:55

Instrument :

BNA_F

ClientSampleId :

SSTDCCC040

Tgt Ion:136 Resp: 229765

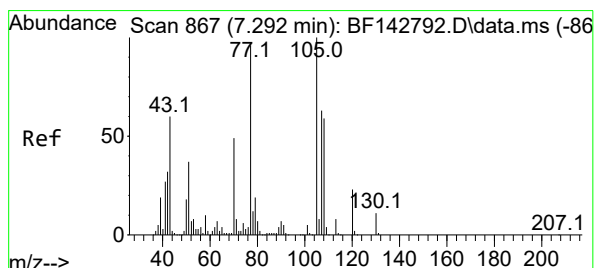
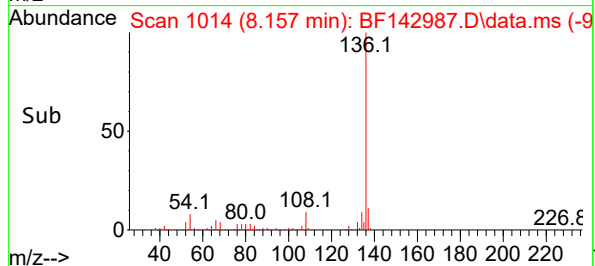
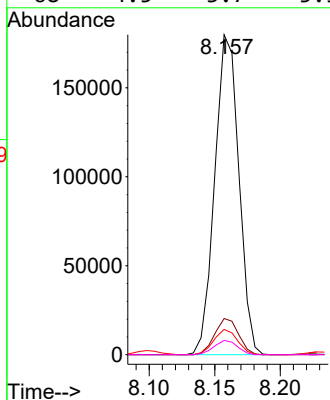
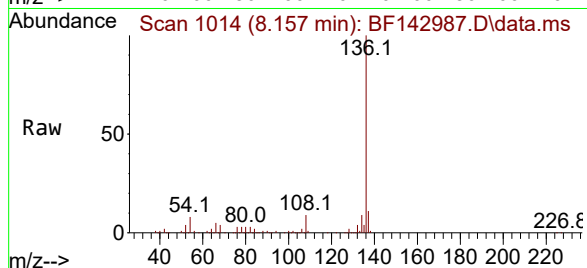
Ion Ratio Lower Upper

136 100

137 11.3 8.4 12.6

54 7.9 6.3 9.5

68 4.5 3.7 5.5



#22

Acetophenone

Concen: 39.417 ng

RT: 7.287 min Scan# 866

Delta R.T. -0.006 min

Lab File: BF142987.D

Acq: 03 Jul 2025 09:55

Tgt Ion:105 Resp: 199714

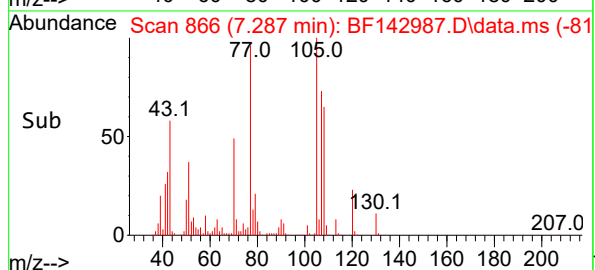
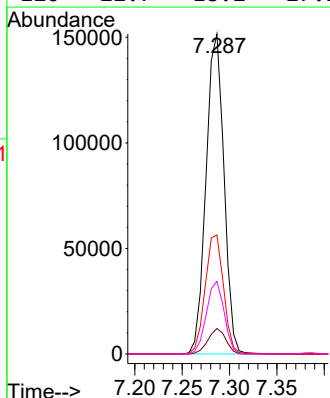
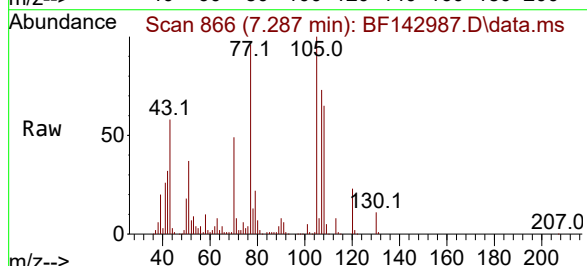
Ion Ratio Lower Upper

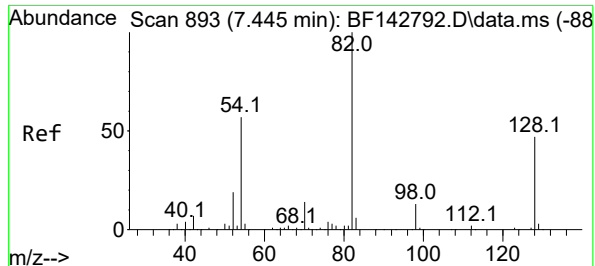
105 100

71 8.0 6.5 9.7

51 37.2 29.8 44.8

120 22.7 18.2 27.2





#23

Nitrobenzene-d5

Concen: 84.085 ng

RT: 7.440 min Scan# 891

Delta R.T. -0.005 min

Lab File: BF142987.D

Acq: 03 Jul 2025 09:55

Instrument :

BNA_F

ClientSampleId :

SSTDCCC040

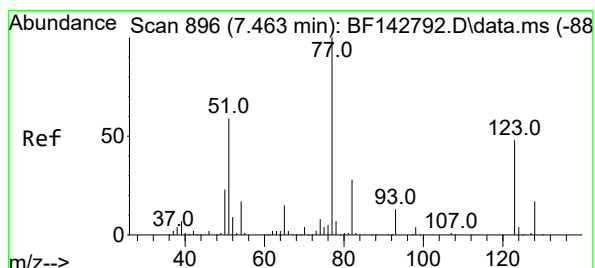
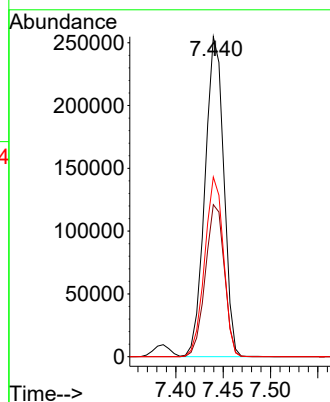
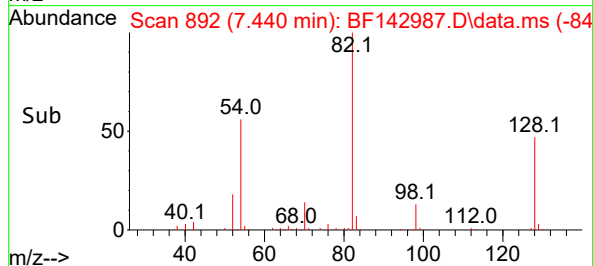
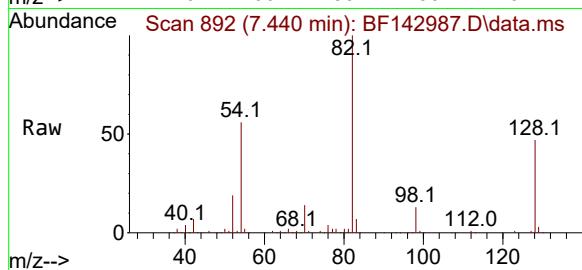
Tgt Ion: 82 Resp: 352226

Ion Ratio Lower Upper

82 100

128 47.5 37.7 56.5

54 56.2 45.7 68.5



#24

Nitrobenzene

Concen: 38.653 ng

RT: 7.457 min Scan# 895

Delta R.T. -0.006 min

Lab File: BF142987.D

Acq: 03 Jul 2025 09:55

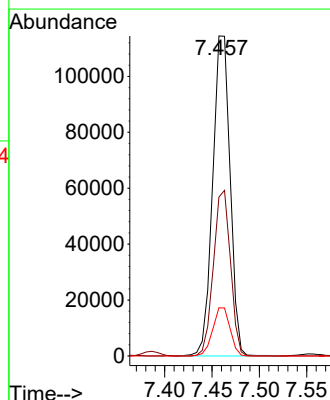
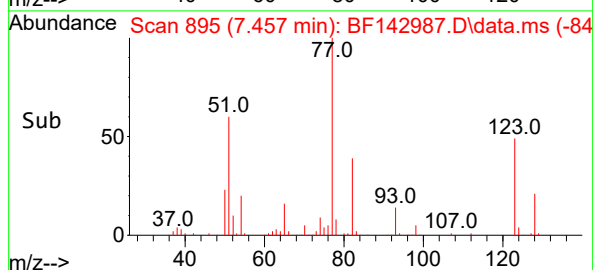
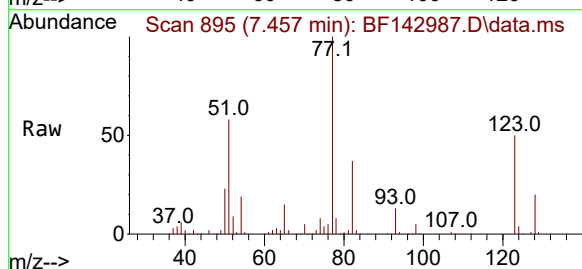
Tgt Ion: 77 Resp: 146546

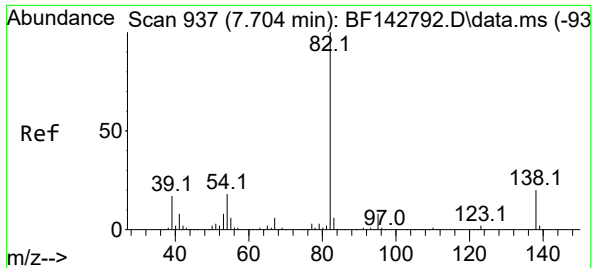
Ion Ratio Lower Upper

77 100

123 49.7 39.2 58.8

65 15.0 11.6 17.4

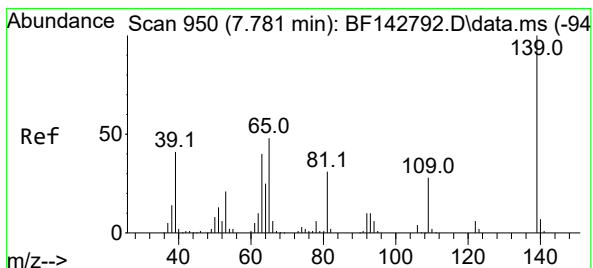
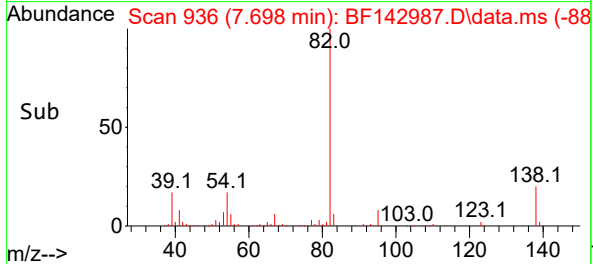
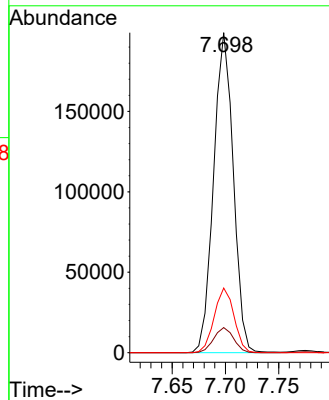
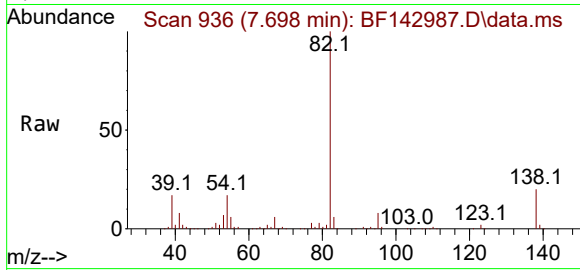




#25
Isophorone
Concen: 38.016 ng
RT: 7.698 min Scan# 91
Delta R.T. -0.006 min
Lab File: BF142987.D
Acq: 03 Jul 2025 09:55

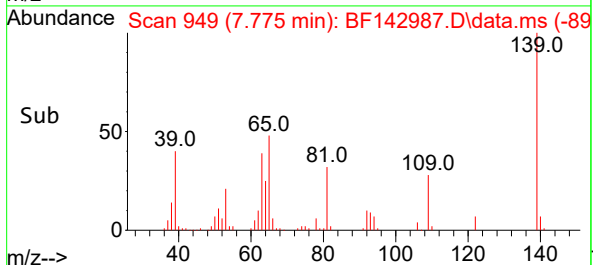
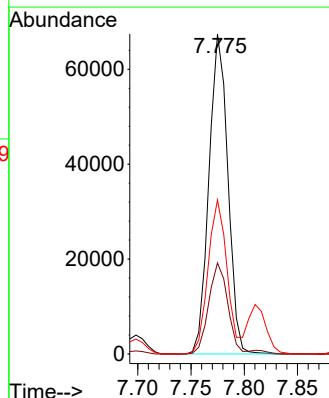
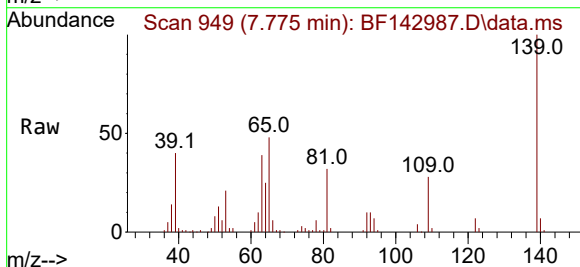
Instrument :
BNA_F
ClientSampleId :
SSTDCCC040

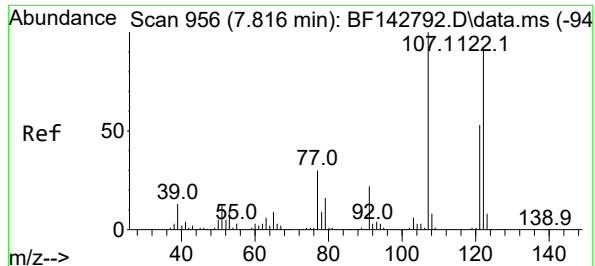
Tgt Ion: 82 Resp: 255453
Ion Ratio Lower Upper
82 100
95 7.8 6.2 9.2
138 20.2 16.2 24.4



#26
2-Nitrophenol
Concen: 40.290 ng
RT: 7.775 min Scan# 949
Delta R.T. -0.006 min
Lab File: BF142987.D
Acq: 03 Jul 2025 09:55

Tgt Ion:139 Resp: 83211
Ion Ratio Lower Upper
139 100
109 28.4 22.7 34.1
65 48.1 38.6 58.0





#27

2,4-Dimethylphenol

Concen: 36.981 ng

RT: 7.810 min Scan# 91

Delta R.T. -0.006 min

Lab File: BF142987.D

Acq: 03 Jul 2025 09:55

Instrument :

BNA_F

ClientSampleId :

SSTDCCC040

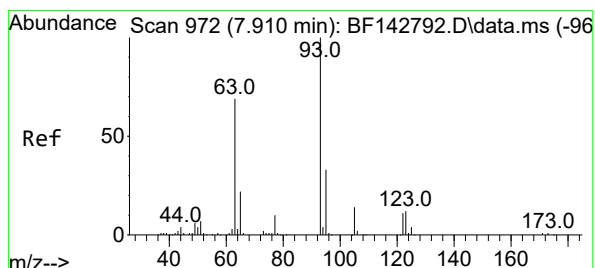
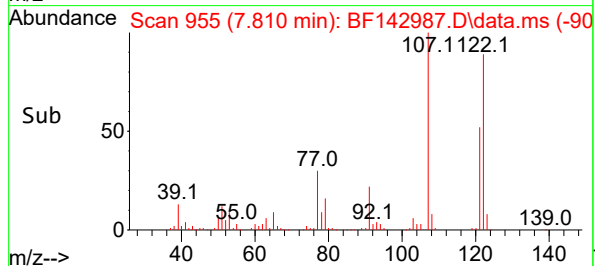
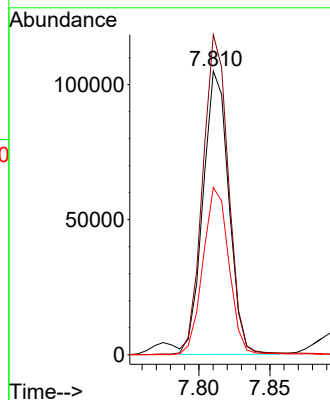
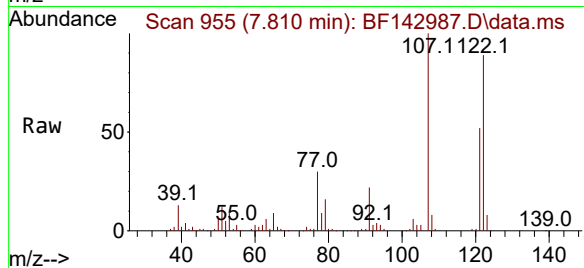
Tgt Ion:122 Resp: 132297

Ion Ratio Lower Upper

122 100

107 112.8 88.0 132.0

121 58.9 46.3 69.5



#28

bis(2-Chloroethoxy)methane

Concen: 38.772 ng

RT: 7.904 min Scan# 971

Delta R.T. -0.006 min

Lab File: BF142987.D

Acq: 03 Jul 2025 09:55

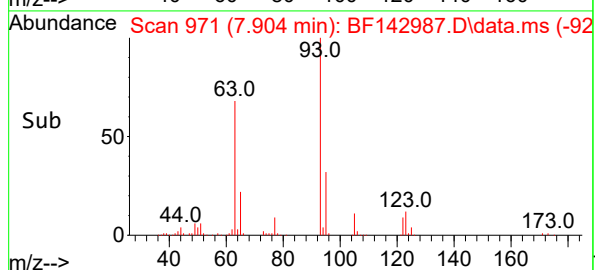
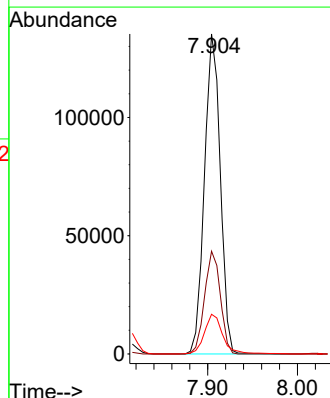
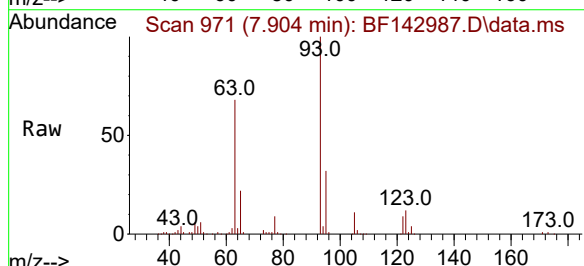
Tgt Ion: 93 Resp: 165636

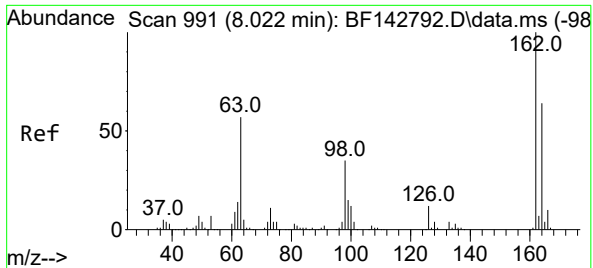
Ion Ratio Lower Upper

93 100

95 32.1 26.2 39.2

123 12.4 9.9 14.9





#29

2,4-Dichlorophenol

Concen: 38.871 ng

RT: 8.022 min Scan# 991

Delta R.T. 0.000 min

Lab File: BF142987.D

Acq: 03 Jul 2025 09:55

Instrument :

BNA_F

ClientSampleId :

SSTDCCC040

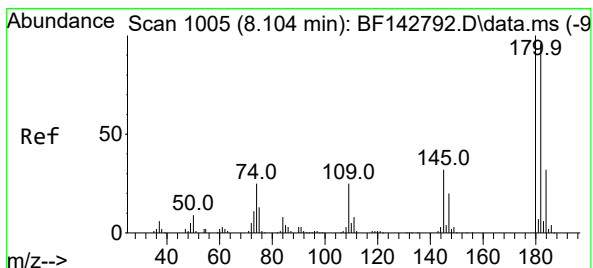
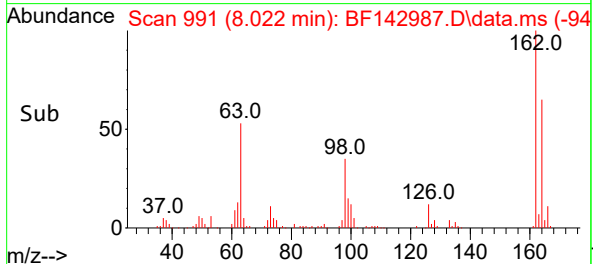
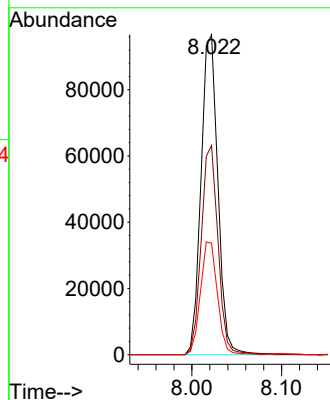
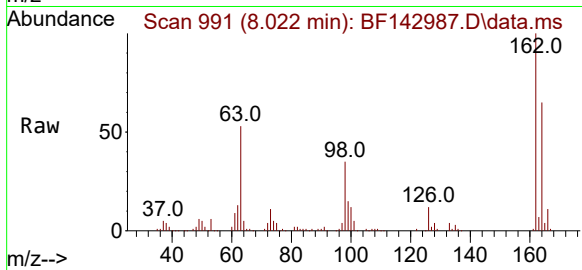
Tgt Ion:162 Resp: 126088

Ion Ratio Lower Upper

162 100

164 65.4 44.0 84.0

98 34.9 15.4 55.4



#30

1,2,4-Trichlorobenzene

Concen: 38.968 ng

RT: 8.098 min Scan# 1004

Delta R.T. -0.006 min

Lab File: BF142987.D

Acq: 03 Jul 2025 09:55

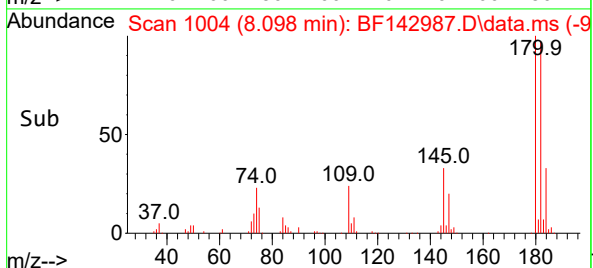
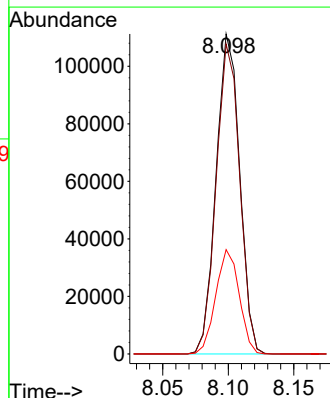
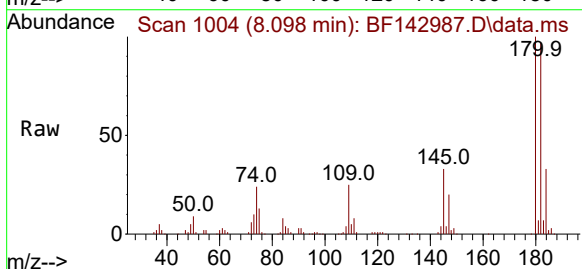
Tgt Ion:180 Resp: 138995

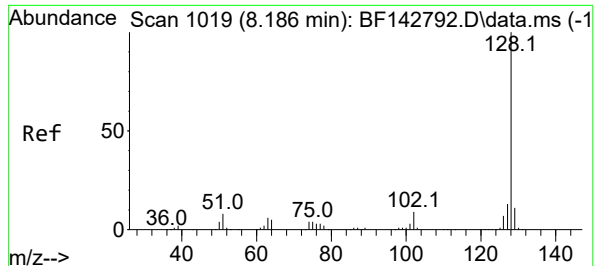
Ion Ratio Lower Upper

180 100

182 96.8 76.4 114.6

145 32.6 25.8 38.8





#31

Naphthalene

Concen: 39.221 ng

RT: 8.181 min Scan# 1019

Delta R.T. -0.006 min

Lab File: BF142987.D

Acq: 03 Jul 2025 09:55

Instrument :

BNA_F

ClientSampleId :

SSTDCCC040

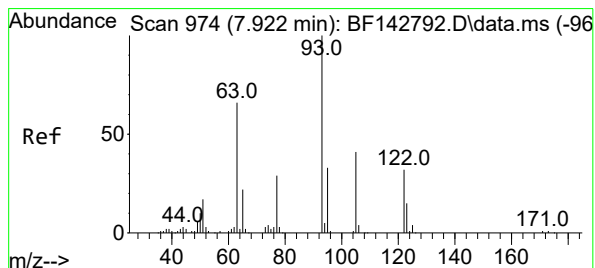
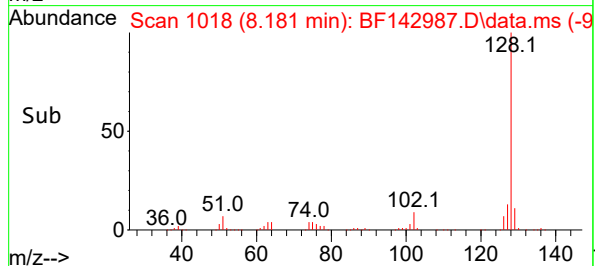
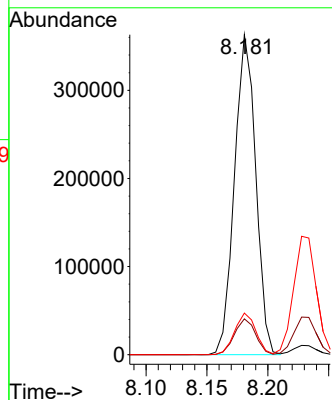
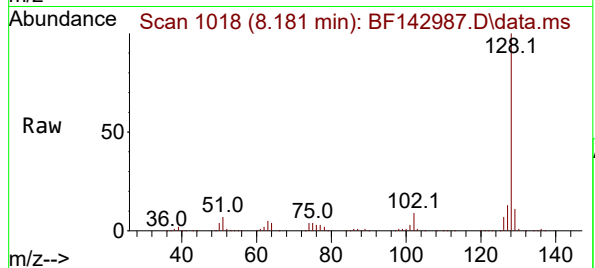
Tgt Ion:128 Resp: 441104

Ion Ratio Lower Upper

128 100

129 11.2 8.9 13.3

127 13.0 10.4 15.6



#32

Benzoic acid

Concen: 32.577 ng

RT: 7.922 min Scan# 974

Delta R.T. 0.000 min

Lab File: BF142987.D

Acq: 03 Jul 2025 09:55

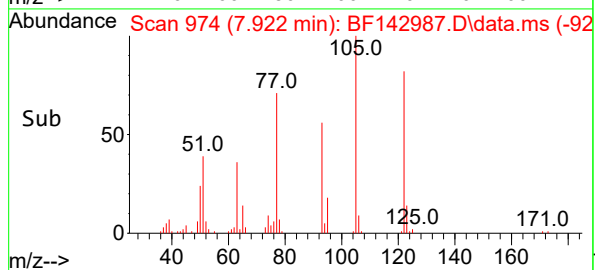
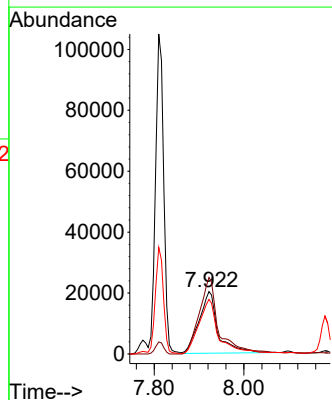
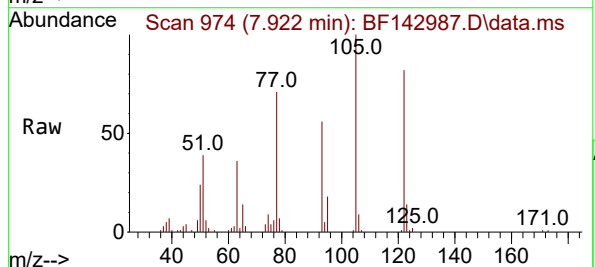
Tgt Ion:122 Resp: 59400

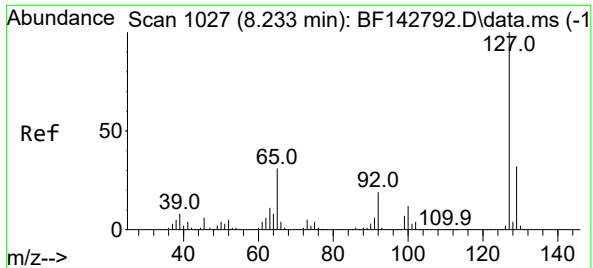
Ion Ratio Lower Upper

122 100

105 122.4 104.7 144.7

77 87.3 70.2 110.2





#33

4-Chloroaniline

Concen: 38.745 ng

RT: 8.228 min Scan# 1026

Delta R.T. -0.006 min

Lab File: BF142987.D

Acq: 03 Jul 2025 09:55

Instrument :

BNA_F

ClientSampleId :

SSTDCCC040

Tgt Ion:127 Resp: 177185

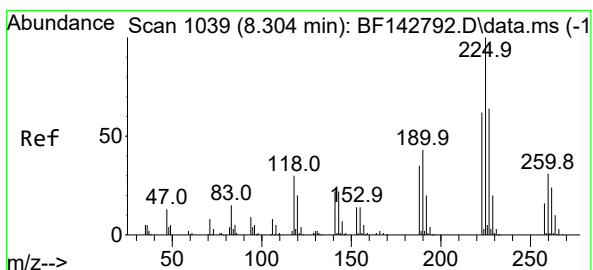
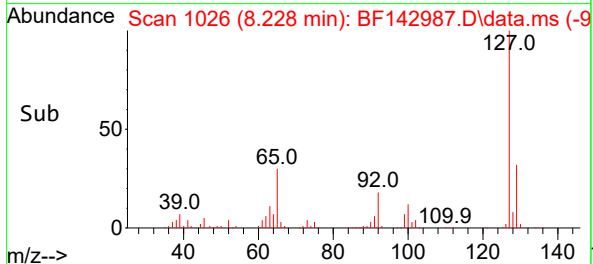
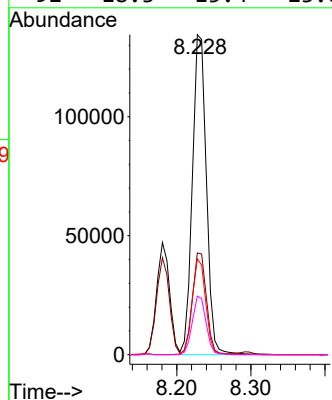
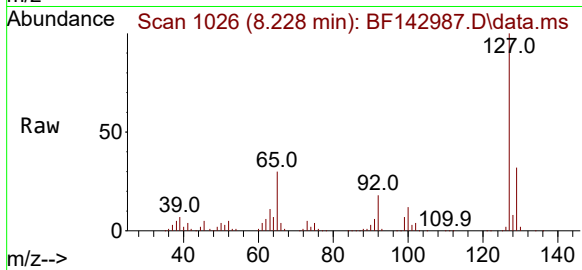
Ion Ratio Lower Upper

127 100

129 31.8 25.9 38.9

65 30.0 24.6 36.8

92 18.3 15.4 23.0



#34

Hexachlorobutadiene

Concen: 40.255 ng

RT: 8.292 min Scan# 1037

Delta R.T. -0.012 min

Lab File: BF142987.D

Acq: 03 Jul 2025 09:55

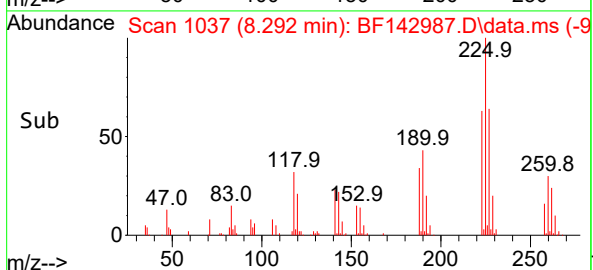
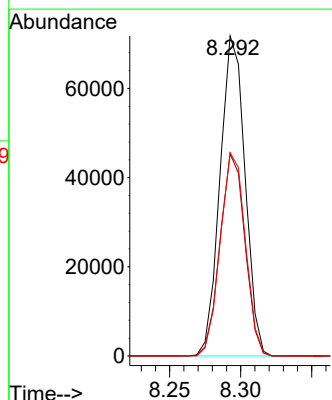
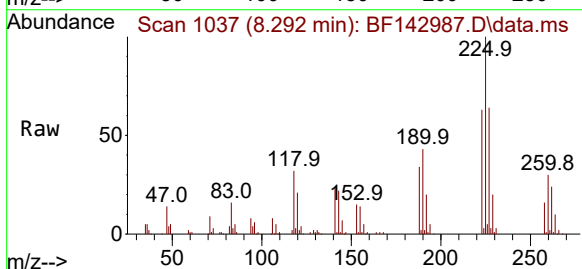
Tgt Ion:225 Resp: 87828

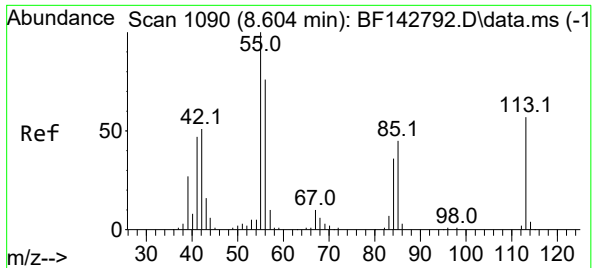
Ion Ratio Lower Upper

225 100

223 63.2 49.9 74.9

227 63.5 51.4 77.0





#35

Caprolactam

Concen: 38.365 ng

RT: 8.604 min Scan# 1090

Delta R.T. 0.000 min

Lab File: BF142987.D

Acq: 03 Jul 2025 09:55

Instrument :

BNA_F

ClientSampleId :

SSTDCCC040

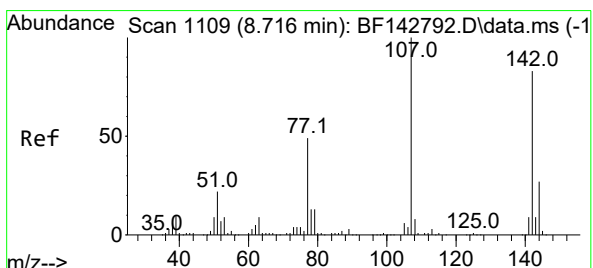
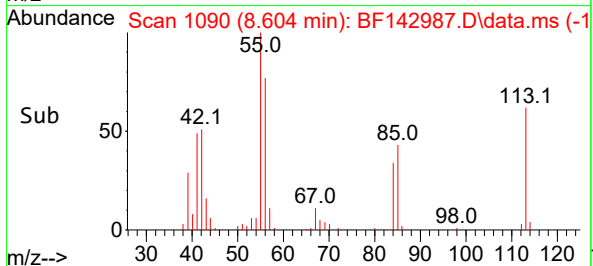
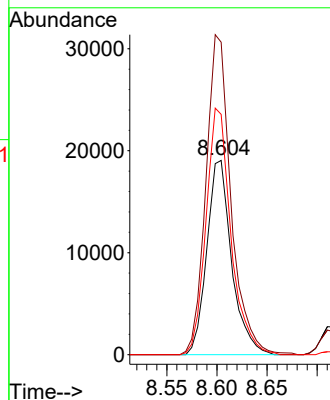
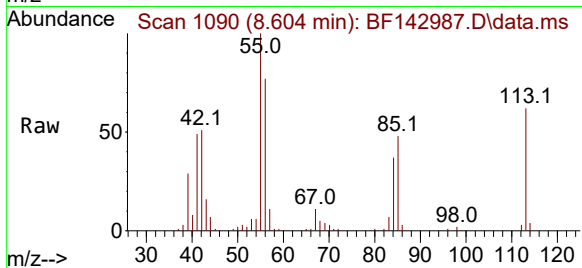
Tgt Ion:113 Resp: 32839

Ion Ratio Lower Upper

113 100

55 160.8 154.4 194.4

56 123.7 112.1 152.1



#36

4-Chloro-3-methylphenol

Concen: 38.469 ng

RT: 8.710 min Scan# 1108

Delta R.T. -0.006 min

Lab File: BF142987.D

Acq: 03 Jul 2025 09:55

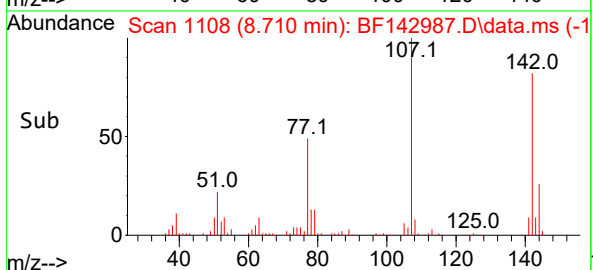
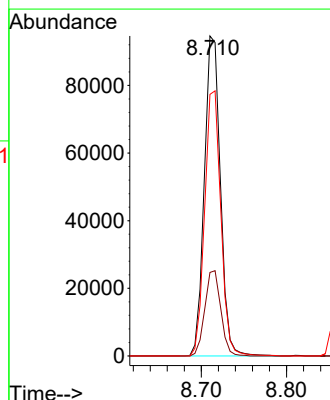
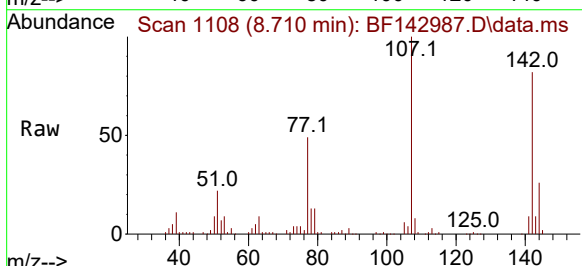
Tgt Ion:107 Resp: 124017

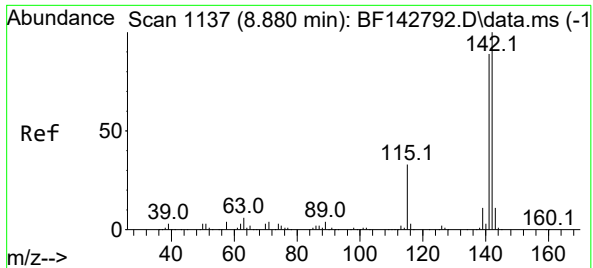
Ion Ratio Lower Upper

107 100

144 26.1 21.3 31.9

142 81.8 66.6 100.0

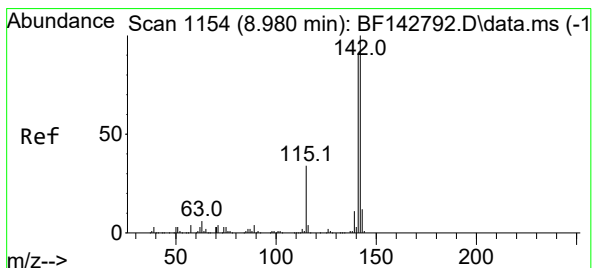
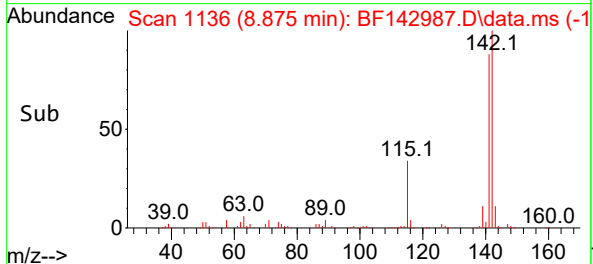
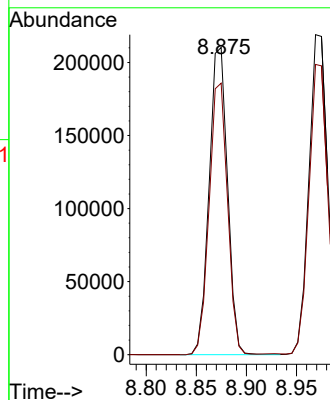
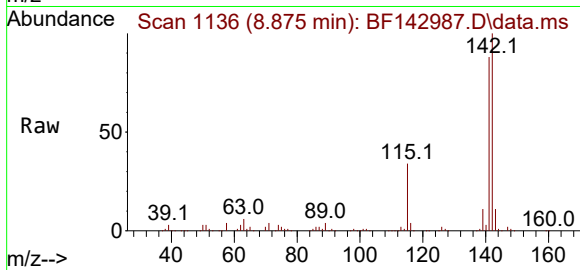




#37
2-Methylnaphthalene
Concen: 38.568 ng
RT: 8.875 min Scan# 1136
Delta R.T. -0.006 min
Lab File: BF142987.D
Acq: 03 Jul 2025 09:55

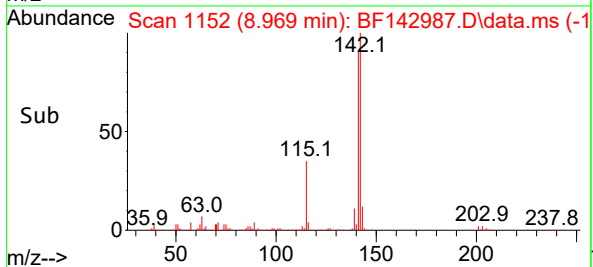
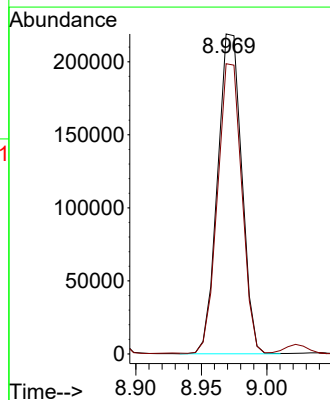
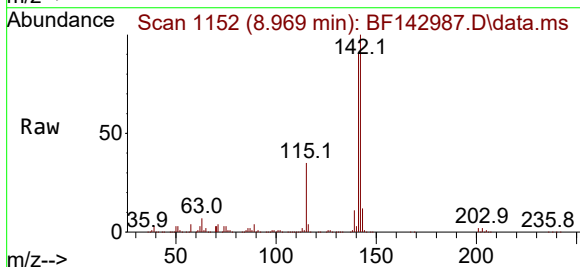
Instrument :
BNA_F
ClientSampleId :
SSTDCCC040

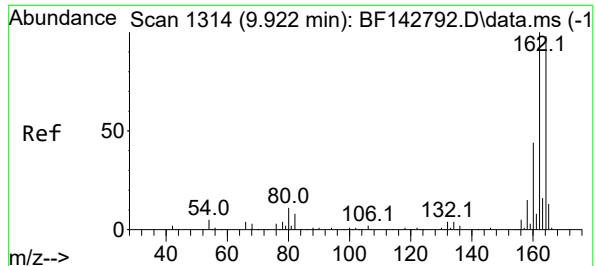
Tgt Ion:142 Resp: 268912
Ion Ratio Lower Upper
142 100
141 88.4 70.9 106.3



#38
1-Methylnaphthalene
Concen: 38.914 ng
RT: 8.969 min Scan# 1152
Delta R.T. -0.012 min
Lab File: BF142987.D
Acq: 03 Jul 2025 09:55

Tgt Ion:142 Resp: 280877
Ion Ratio Lower Upper
142 100
141 90.7 73.0 109.4





#39

Acenaphthene-d10

Concen: 20.000 ng

RT: 9.916 min Scan# 1163

Delta R.T. -0.006 min

Lab File: BF142987.D

Acq: 03 Jul 2025 09:55

Instrument :

BNA_F

ClientSampleId :

SSTDCCC040

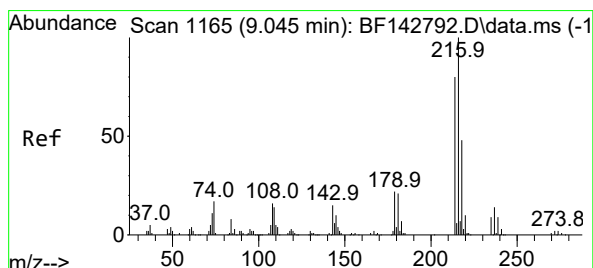
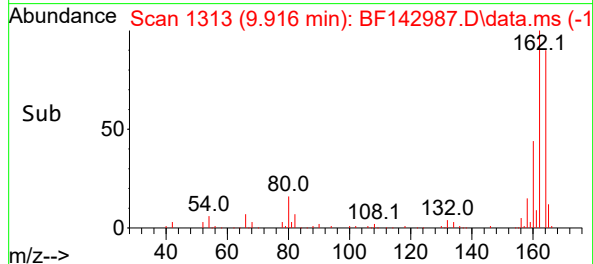
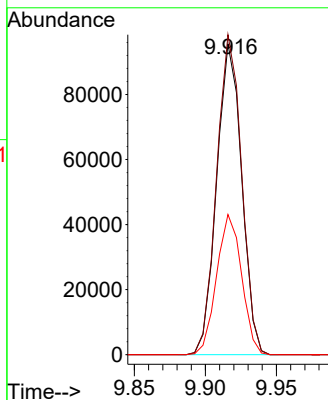
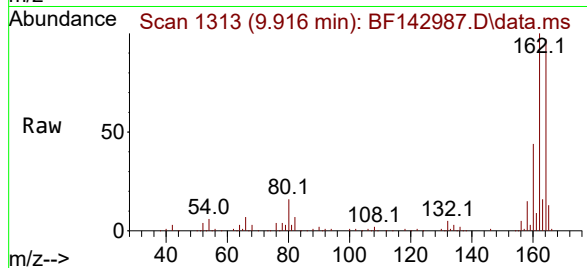
Tgt Ion:164 Resp: 116751

Ion Ratio Lower Upper

164 100

162 103.0 81.8 122.8

160 45.1 36.0 54.0



#40

1,2,4,5-Tetrachlorobenzene

Concen: 40.279 ng

RT: 9.039 min Scan# 1164

Delta R.T. -0.006 min

Lab File: BF142987.D

Acq: 03 Jul 2025 09:55

Tgt Ion:216 Resp: 138759

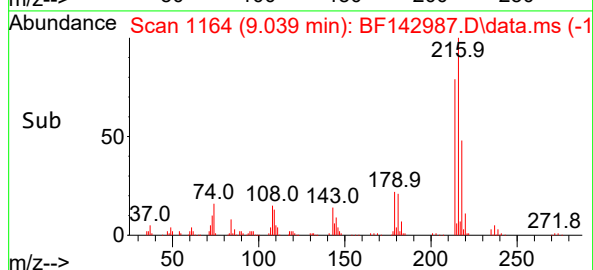
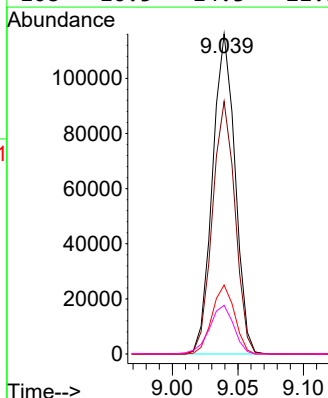
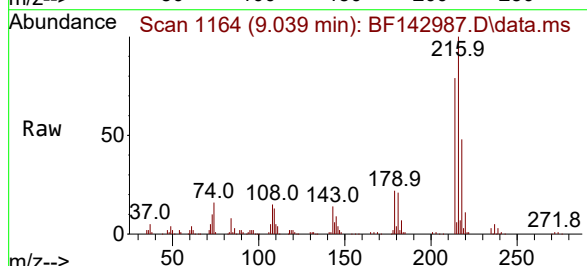
Ion Ratio Lower Upper

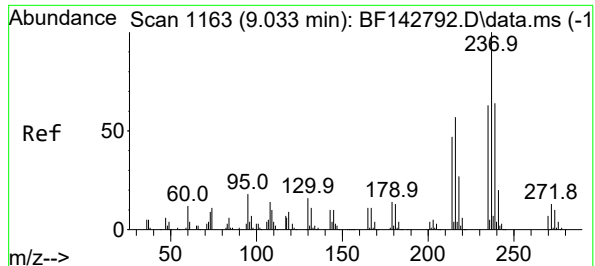
216 100

214 78.9 63.7 95.5

179 21.6 17.6 26.4

108 16.5 14.3 21.5





#41

Hexachlorocyclopentadiene

Concen: 31.960 ng

RT: 9.022 min Scan# 1161

Delta R.T. -0.012 min

Lab File: BF142987.D

Acq: 03 Jul 2025 09:55

Instrument :

BNA_F

ClientSampleId :

SSTDCCC040

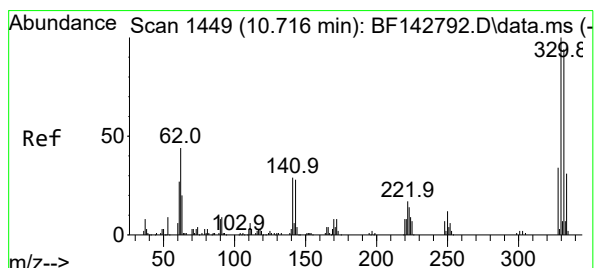
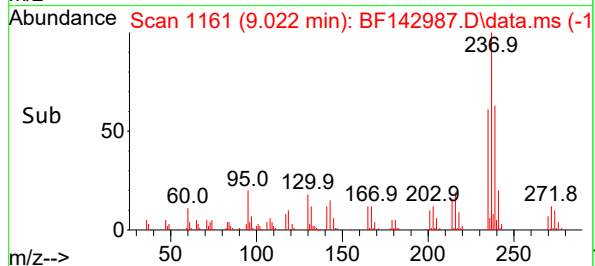
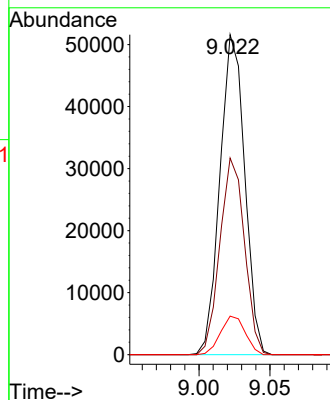
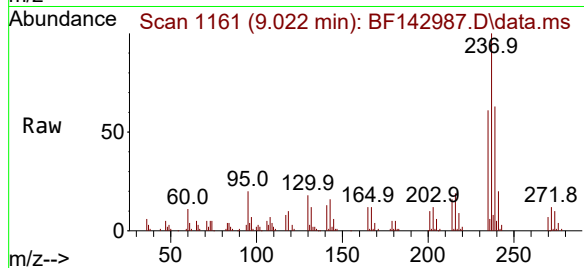
Tgt Ion:237 Resp: 62479

Ion Ratio Lower Upper

237 100

235 61.5 43.4 83.4

272 12.1 0.0 32.7



#42

2,4,6-Tribromophenol

Concen: 77.722 ng

RT: 10.710 min Scan# 1448

Delta R.T. -0.006 min

Lab File: BF142987.D

Acq: 03 Jul 2025 09:55

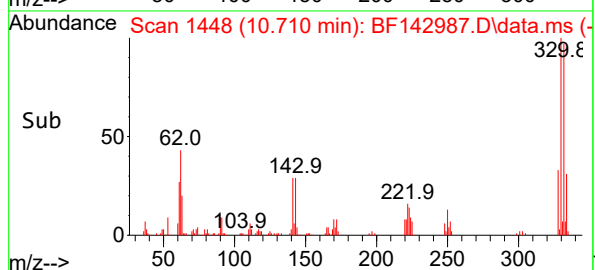
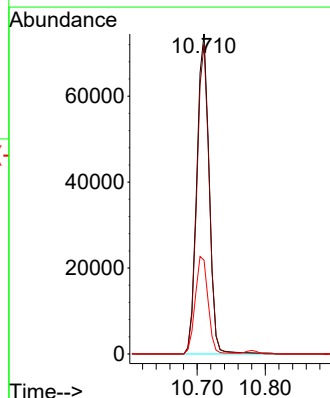
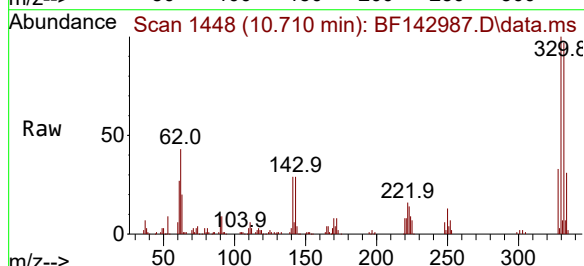
Tgt Ion:330 Resp: 93379

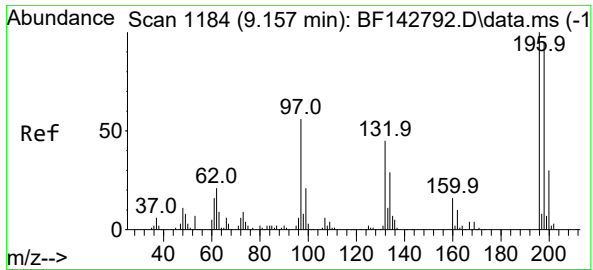
Ion Ratio Lower Upper

330 100

332 96.3 75.0 112.6

141 31.6 25.3 37.9





#43

2,4,6-Trichlorophenol

Concen: 39.395 ng

RT: 9.151 min Scan# 1184

Delta R.T. -0.006 min

Lab File: BF142987.D

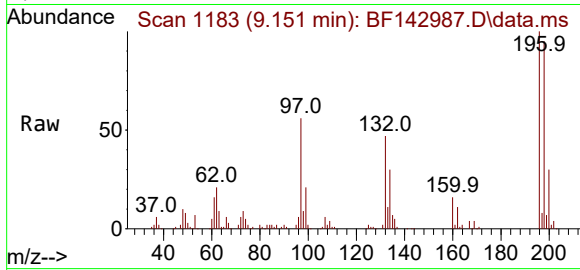
Acq: 03 Jul 2025 09:55

Instrument :

BNA_F

ClientSampleId :

SSTDCCC040



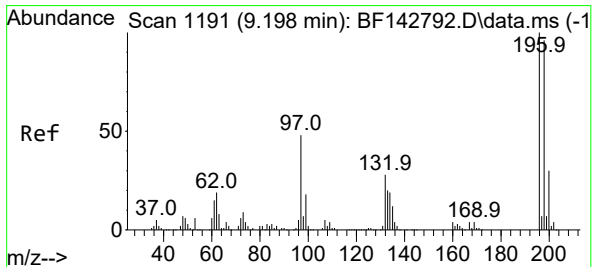
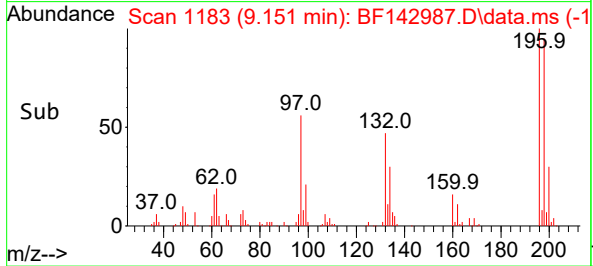
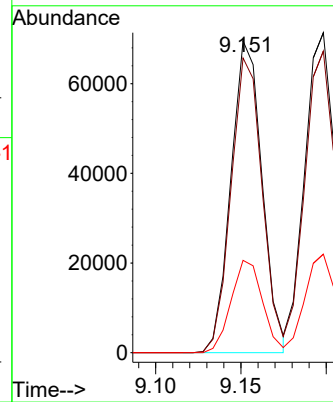
Tgt Ion:196 Resp: 88434

Ion Ratio Lower Upper

196 100

198 94.5 76.2 114.2

200 29.6 24.1 36.1



#44

2,4,5-Trichlorophenol

Concen: 39.952 ng

RT: 9.198 min Scan# 1191

Delta R.T. 0.000 min

Lab File: BF142987.D

Acq: 03 Jul 2025 09:55

Tgt Ion:196 Resp: 94408

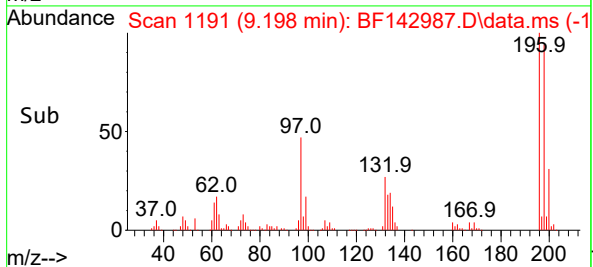
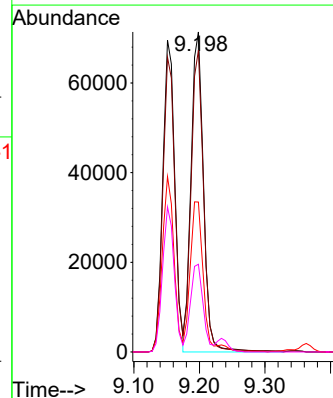
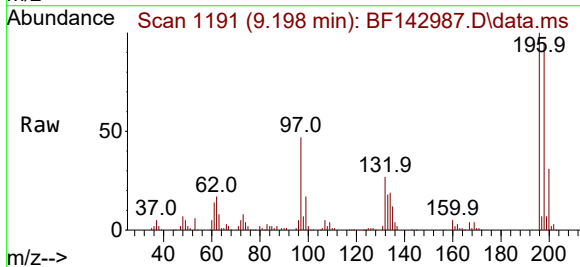
Ion Ratio Lower Upper

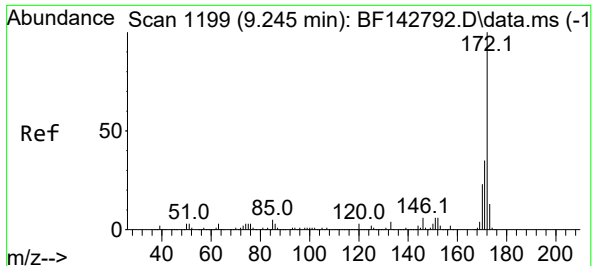
196 100

198 94.2 76.6 115.0

97 46.9 38.2 57.2

132 27.4 23.4 35.0





#45

2-Fluorobiphenyl

Concen: 85.464 ng

RT: 9.234 min Scan# 1199

Delta R.T. -0.011 min

Lab File: BF142987.D

Acq: 03 Jul 2025 09:55

Instrument :

BNA_F

ClientSampleId :

SSTDCCC040

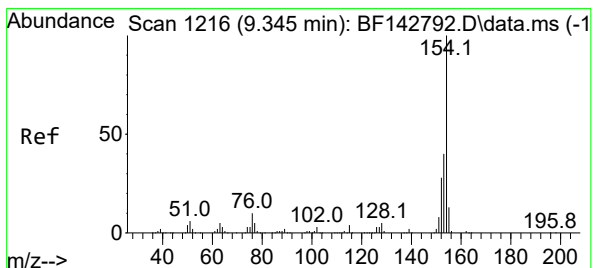
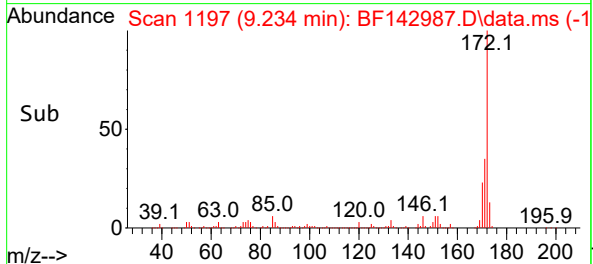
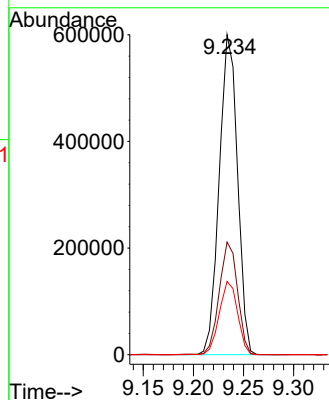
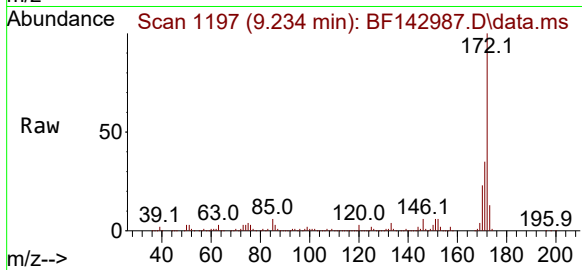
Tgt Ion:172 Resp: 759551

Ion Ratio Lower Upper

172 100

171 35.2 28.2 42.4

170 22.9 18.5 27.7



#46

1,1'-Biphenyl

Concen: 39.652 ng

RT: 9.339 min Scan# 1215

Delta R.T. -0.006 min

Lab File: BF142987.D

Acq: 03 Jul 2025 09:55

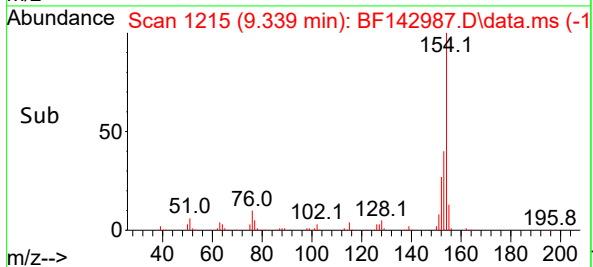
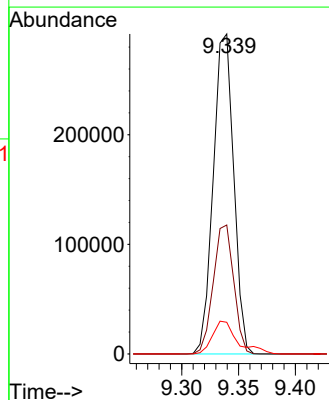
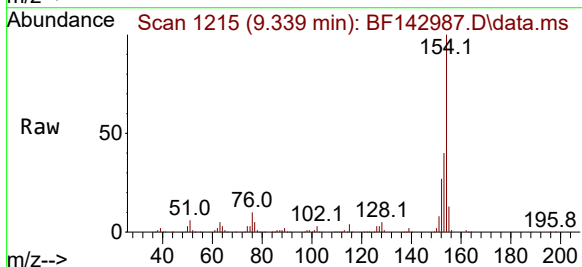
Tgt Ion:154 Resp: 365699

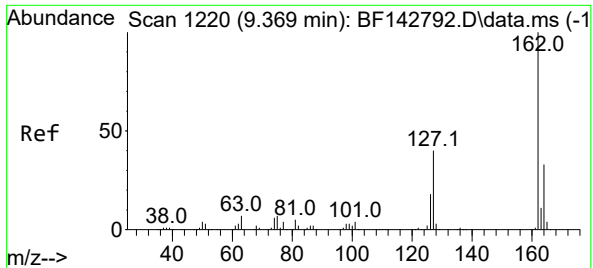
Ion Ratio Lower Upper

154 100

153 40.3 20.3 60.3

76 9.9 0.0 30.3





#47

2-Chloronaphthalene

Concen: 39.486 ng

RT: 9.363 min Scan# 1219

Delta R.T. -0.006 min

Lab File: BF142987.D

Acq: 03 Jul 2025 09:55

Instrument :

BNA_F

ClientSampleId :

SSTDCCC040

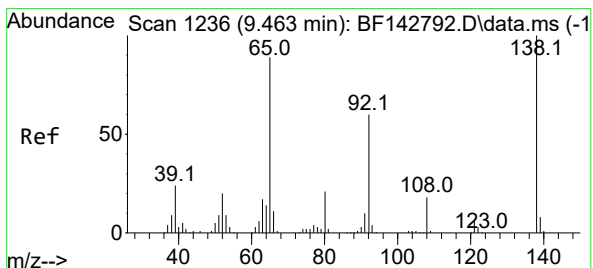
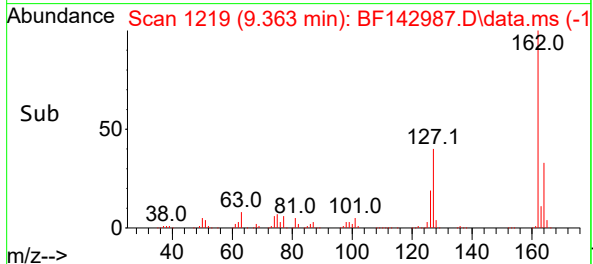
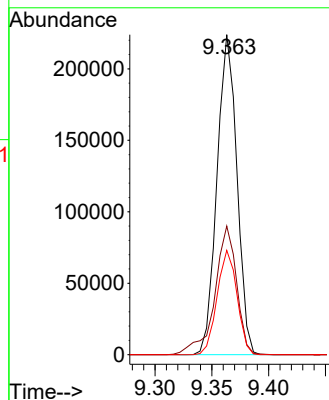
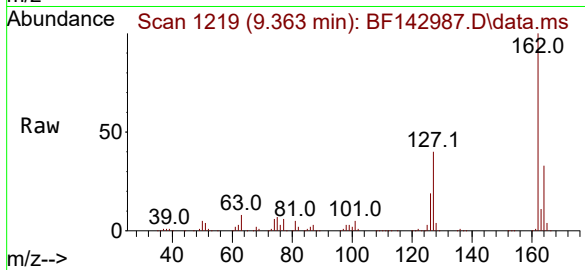
Tgt Ion:162 Resp: 273280

Ion Ratio Lower Upper

162 100

127 40.2 32.2 48.2

164 32.6 26.1 39.1



#48

2-Nitroaniline

Concen: 38.861 ng

RT: 9.457 min Scan# 1235

Delta R.T. -0.006 min

Lab File: BF142987.D

Acq: 03 Jul 2025 09:55

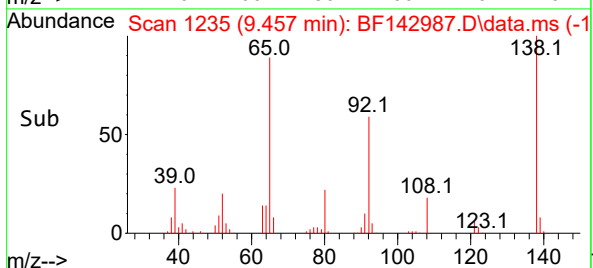
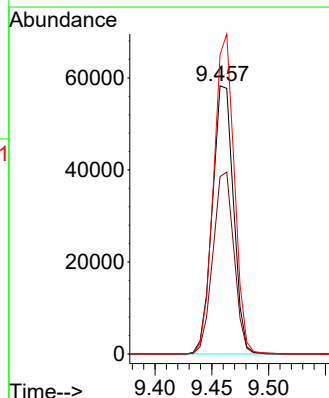
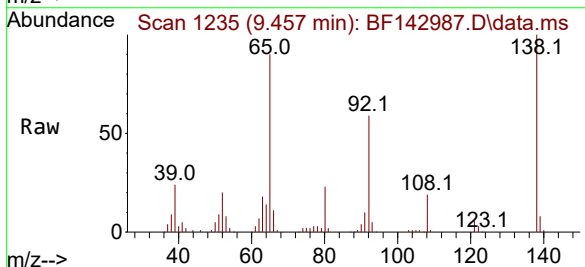
Tgt Ion: 65 Resp: 75404

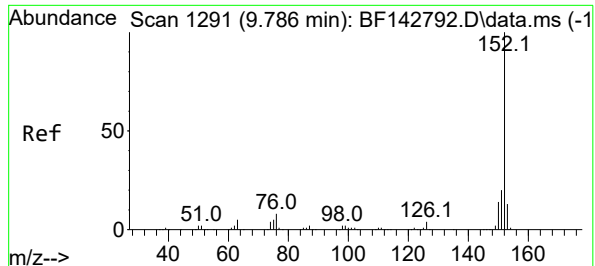
Ion Ratio Lower Upper

65 100

92 66.1 53.8 80.6

138 111.5 89.6 134.4





#49

Acenaphthylene

Concen: 38.927 ng

RT: 9.781 min Scan# 11

Delta R.T. -0.006 min

Lab File: BF142987.D

Acq: 03 Jul 2025 09:55

Instrument :

BNA_F

ClientSampleId :

SSTDCCC040

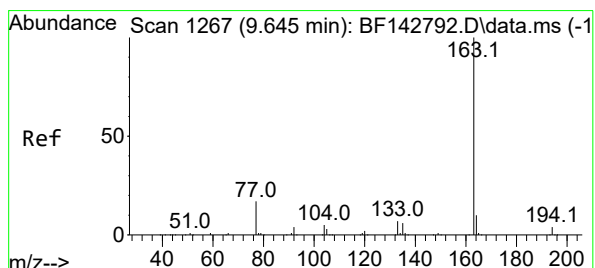
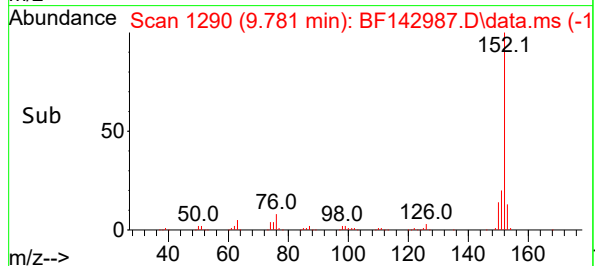
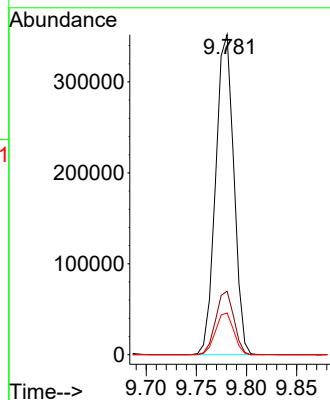
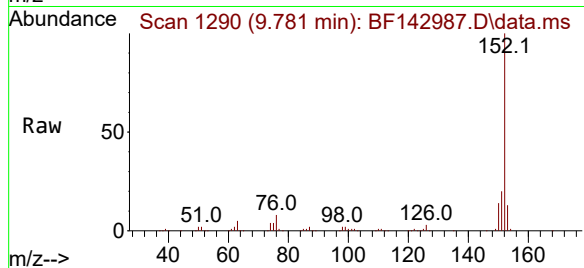
Tgt Ion:152 Resp: 443510

Ion Ratio Lower Upper

152 100

151 19.9 16.1 24.1

153 13.0 10.4 15.6



#50

Dimethylphthalate

Concen: 39.472 ng

RT: 9.634 min Scan# 1265

Delta R.T. -0.012 min

Lab File: BF142987.D

Acq: 03 Jul 2025 09:55

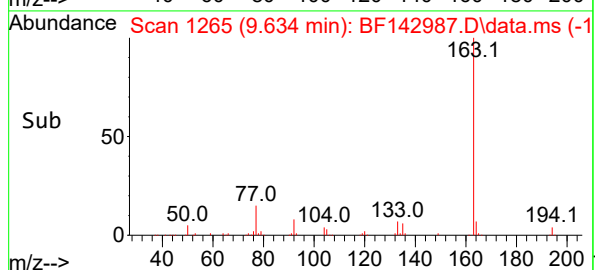
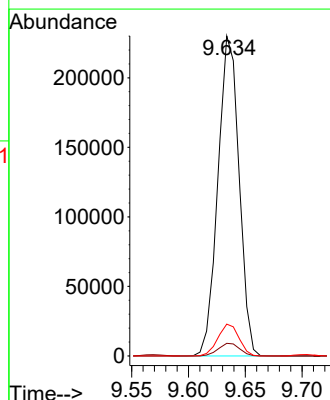
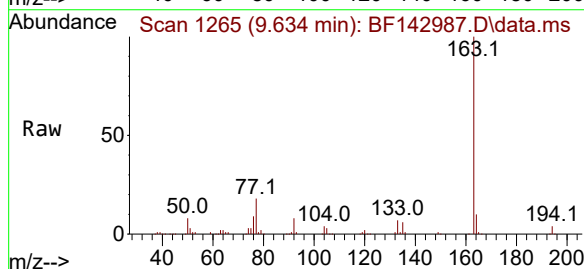
Tgt Ion:163 Resp: 298300

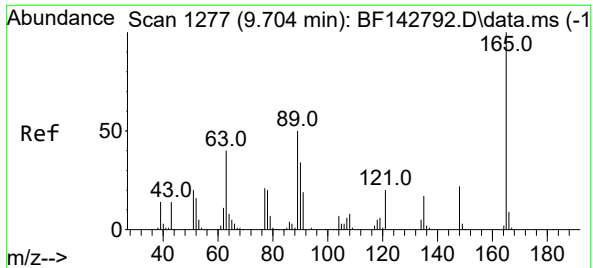
Ion Ratio Lower Upper

163 100

194 3.9 3.3 4.9

164 10.0 8.0 12.0

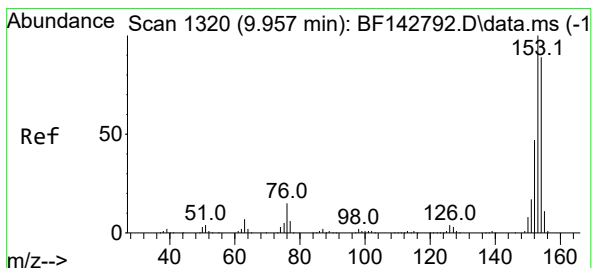
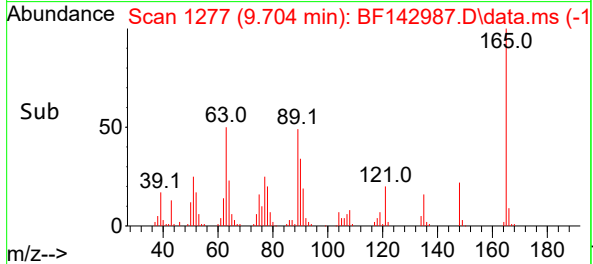
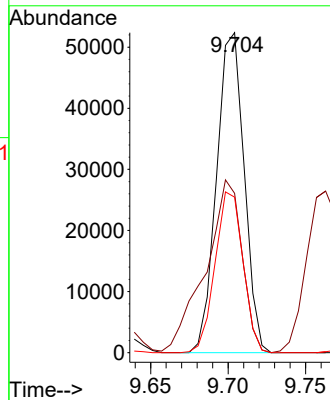
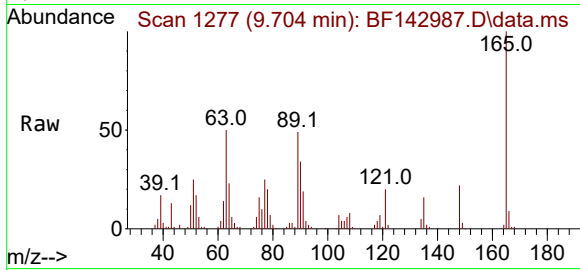




#51
2,6-Dinitrotoluene
Concen: 39.133 ng
RT: 9.704 min Scan# 1319
Delta R.T. 0.000 min
Lab File: BF142987.D
Acq: 03 Jul 2025 09:55

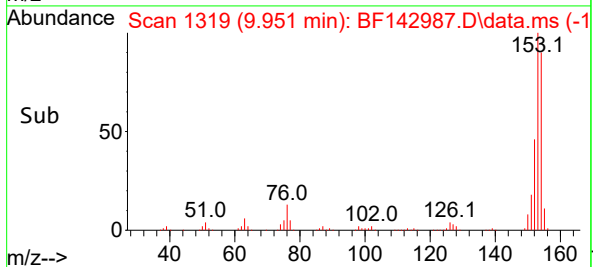
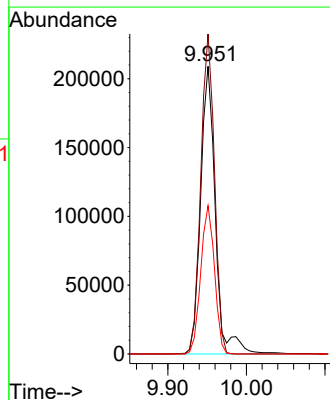
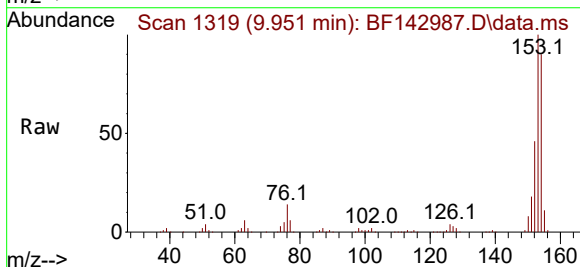
Instrument :
BNA_F
ClientSampleId :
SSTDCCC040

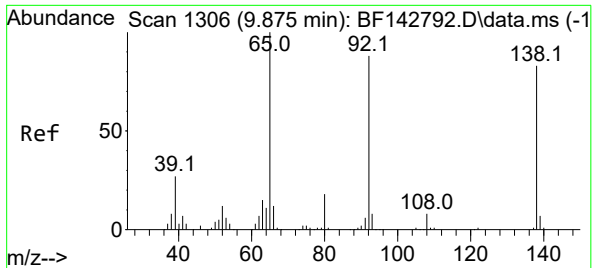
Tgt Ion	Ratio	Lower	Upper
165	100		
63	49.8	44.2	66.4
89	48.6	39.8	59.8



#52
Acenaphthene
Concen: 39.375 ng m
RT: 9.951 min Scan# 1319
Delta R.T. -0.006 min
Lab File: BF142987.D
Acq: 03 Jul 2025 09:55

Tgt Ion	Ratio	Lower	Upper
154	100		
153	111.2	90.0	135.0
152	51.6	41.9	62.9

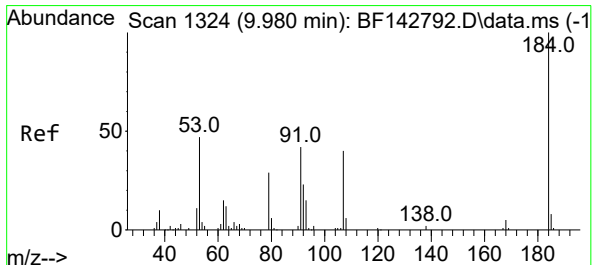
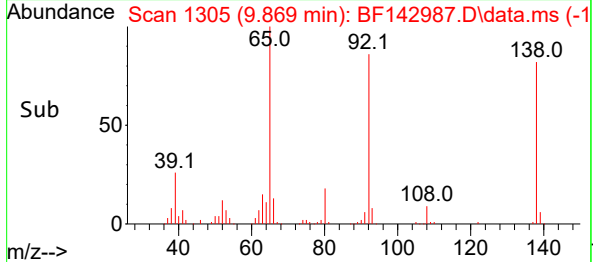
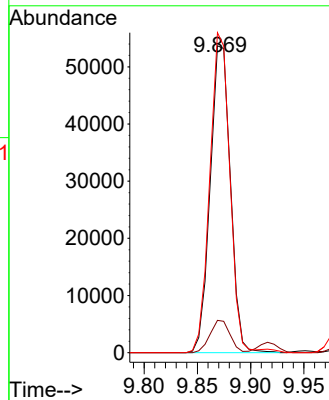
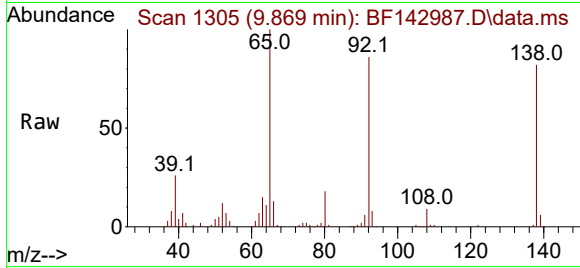




#53
3-Nitroaniline
Concen: 38.765 ng
RT: 9.869 min Scan# 11
Delta R.T. -0.006 min
Lab File: BF142987.D
Acq: 03 Jul 2025 09:55

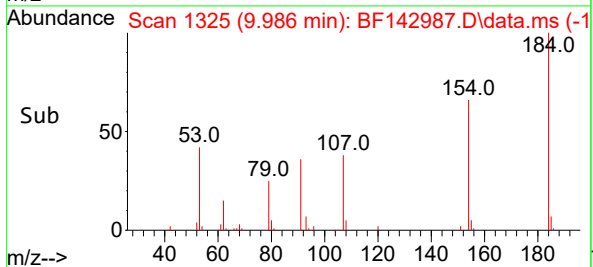
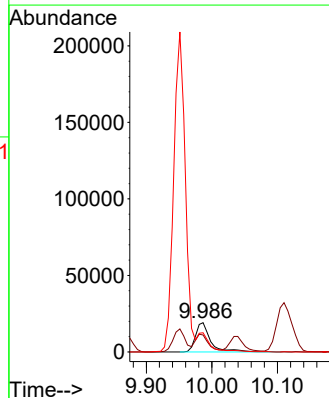
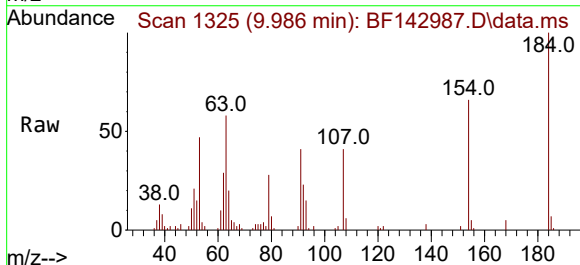
Instrument :
BNA_F
ClientSampleId :
SSTDCCC040

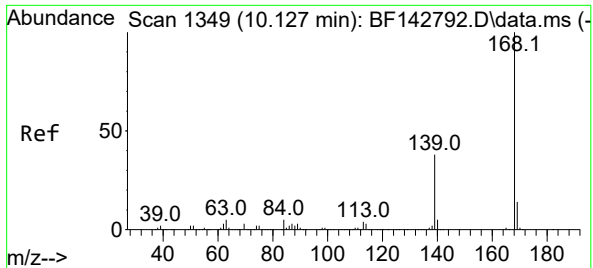
Tgt Ion	Ratio	Lower	Upper
138	100		
108	10.5	8.1	12.1
92	104.3	85.1	127.7



#54
2,4-Dinitrophenol
Concen: 36.773 ng
RT: 9.986 min Scan# 1325
Delta R.T. 0.006 min
Lab File: BF142987.D
Acq: 03 Jul 2025 09:55

Tgt Ion	Ratio	Lower	Upper
184	100		
63	58.2	50.6	75.8
154	65.6	51.8	77.8





#55

Dibenzenofuran

Concen: 38.246 ng

RT: 10.122 min Scan# 1348

Delta R.T. -0.006 min

Lab File: BF142987.D

Acq: 03 Jul 2025 09:55

Instrument :

BNA_F

ClientSampleId :

SSTDCCC040

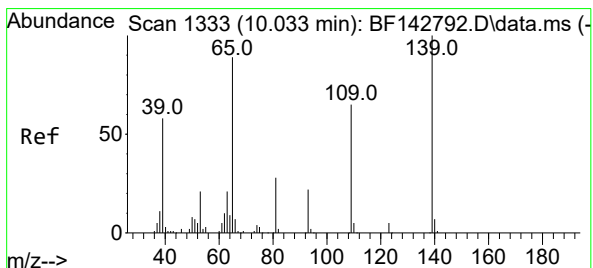
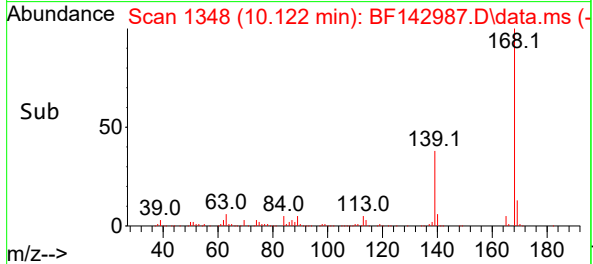
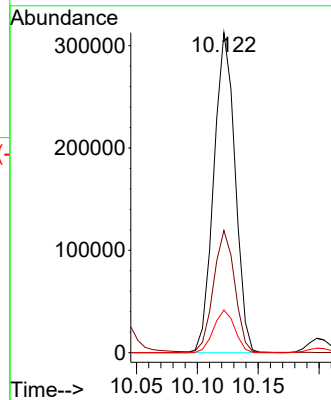
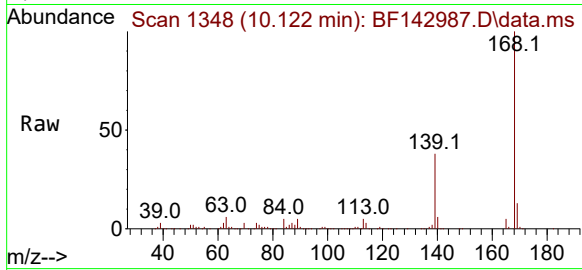
Tgt Ion:168 Resp: 381239

Ion Ratio Lower Upper

168 100

139 38.2 30.2 45.4

169 13.4 10.8 16.2



#56

4-Nitrophenol

Concen: 42.156 ng

RT: 10.039 min Scan# 1334

Delta R.T. 0.006 min

Lab File: BF142987.D

Acq: 03 Jul 2025 09:55

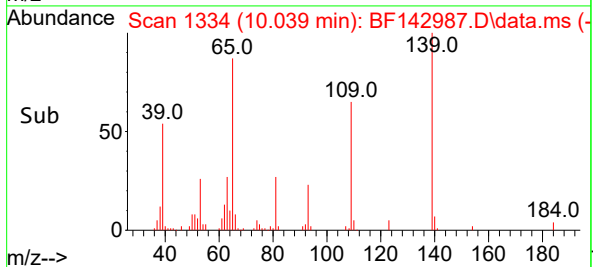
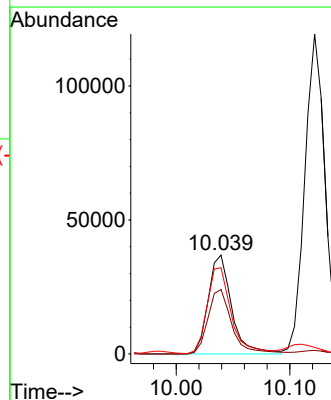
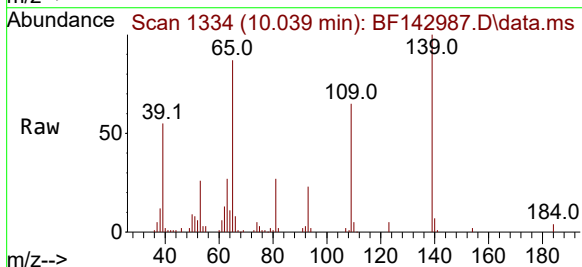
Tgt Ion:139 Resp: 52736

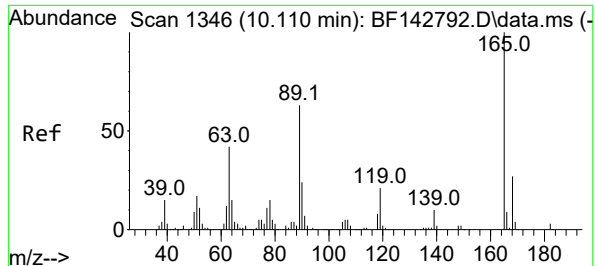
Ion Ratio Lower Upper

139 100

109 65.2 44.7 84.7

65 87.2 69.8 109.8

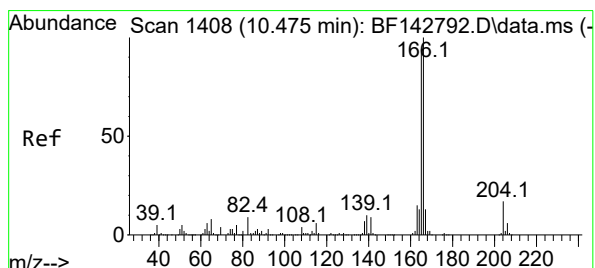
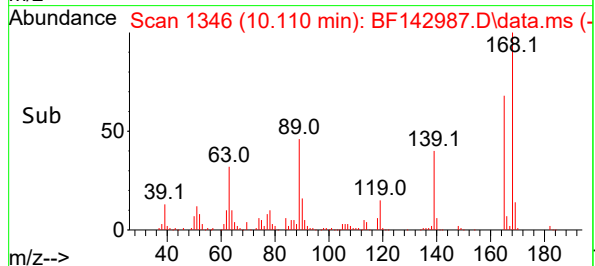
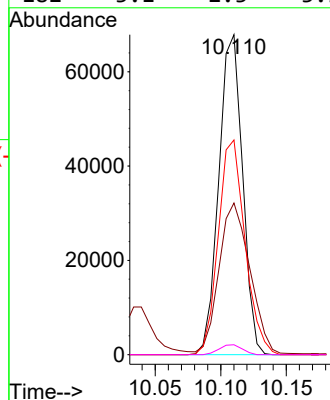
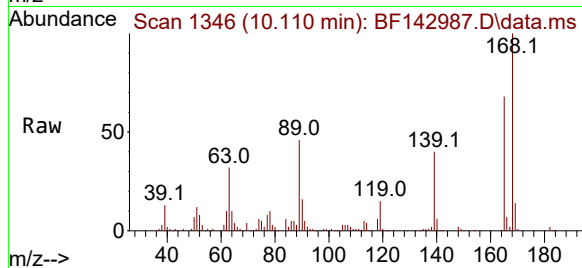




#57
2,4-Dinitrotoluene
Concen: 38.668 ng
RT: 10.110 min Scan# 11
Delta R.T. 0.000 min
Lab File: BF142987.D
Acq: 03 Jul 2025 09:55

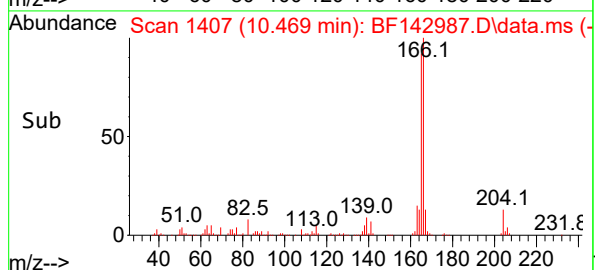
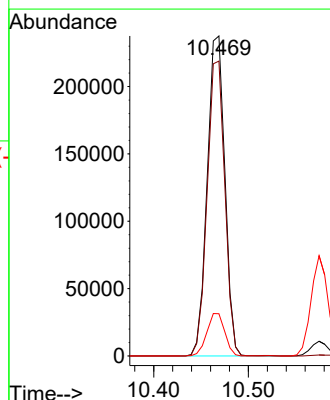
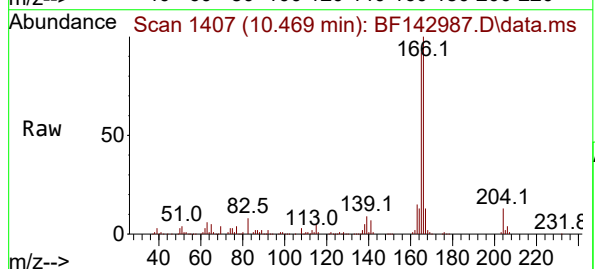
Instrument :
BNA_F
ClientSampleId :
SSTDCCC040

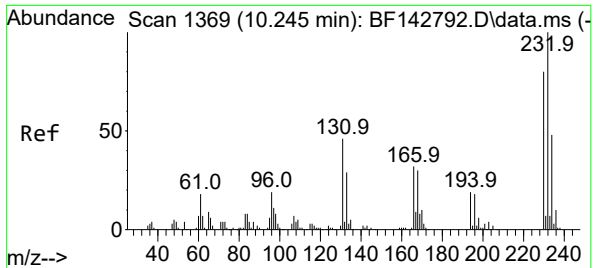
Tgt Ion:165 Resp: 85245
Ion Ratio Lower Upper
165 100
63 47.4 33.9 50.9
89 67.1 50.6 75.8
182 3.1 2.3 3.5



#58
Fluorene
Concen: 39.535 ng
RT: 10.469 min Scan# 1407
Delta R.T. -0.006 min
Lab File: BF142987.D
Acq: 03 Jul 2025 09:55

Tgt Ion:166 Resp: 307774
Ion Ratio Lower Upper
166 100
165 92.2 75.2 112.8
167 13.2 10.6 15.8

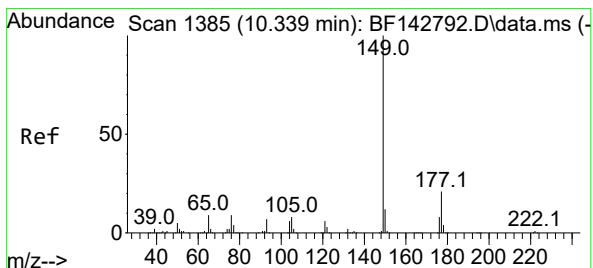
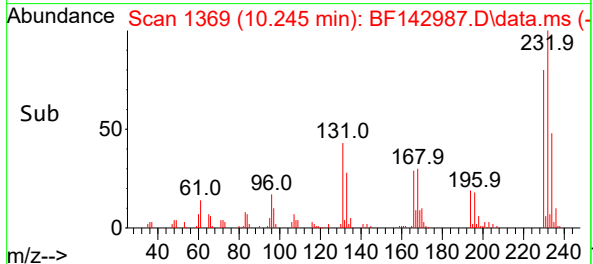
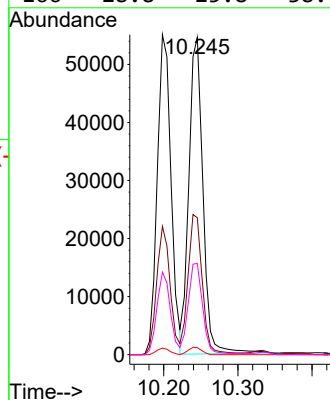
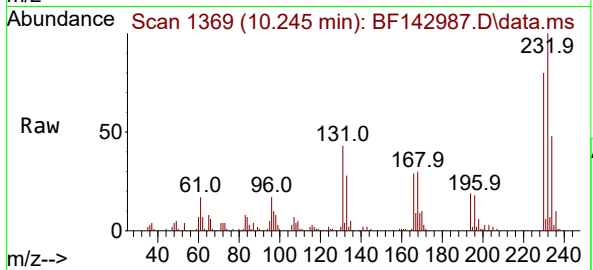




#59
2,3,4,6-Tetrachlorophenol
Concen: 38.026 ng
RT: 10.245 min Scan# 1369
Delta R.T. 0.000 min
Lab File: BF142987.D
Acq: 03 Jul 2025 09:55

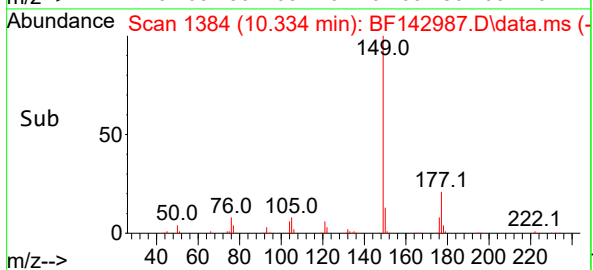
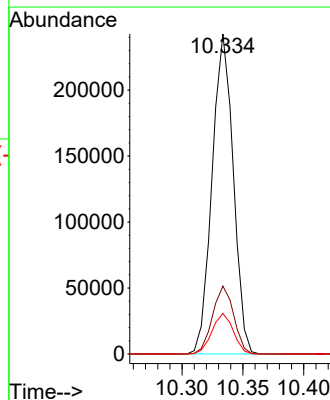
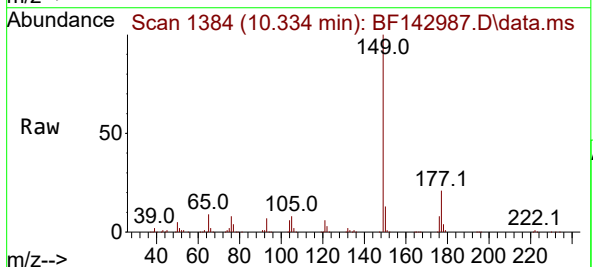
Instrument :
BNA_F
ClientSampleId :
SSTDCCC040

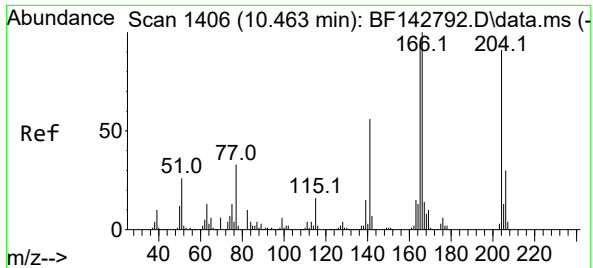
Tgt Ion:232 Resp: 72431
Ion Ratio Lower Upper
232 100
131 44.3 37.6 56.4
130 2.2 1.7 2.5
166 28.8 25.8 38.6



#60
Diethylphthalate
Concen: 39.592 ng
RT: 10.334 min Scan# 1384
Delta R.T. -0.006 min
Lab File: BF142987.D
Acq: 03 Jul 2025 09:55

Tgt Ion:149 Resp: 293374
Ion Ratio Lower Upper
149 100
177 21.2 17.0 25.6
150 12.7 9.8 14.6

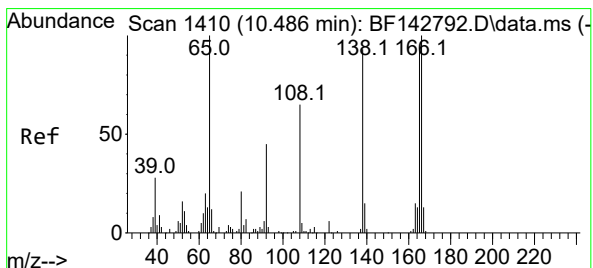
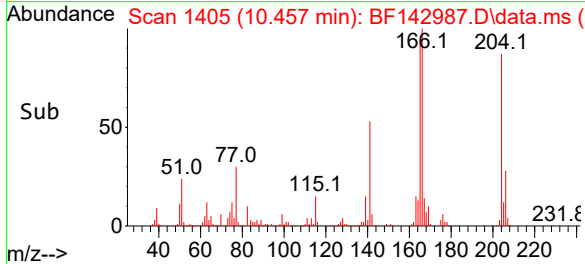
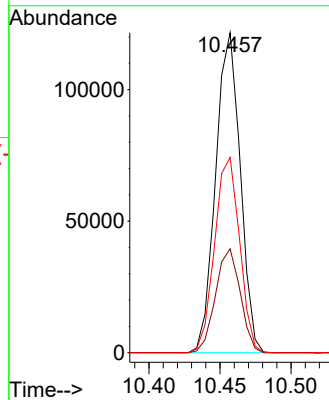
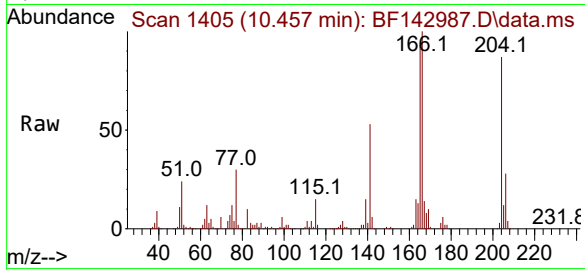




#61
4-Chlorophenyl-phenylether
Concen: 39.414 ng
RT: 10.457 min Scan# 1406
Delta R.T. -0.006 min
Lab File: BF142987.D
Acq: 03 Jul 2025 09:55

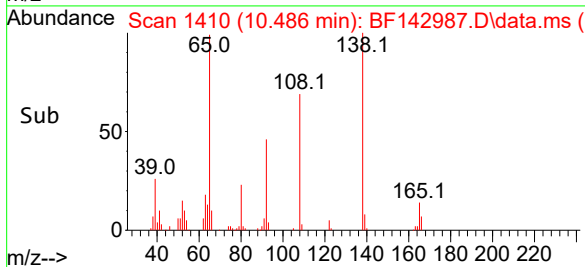
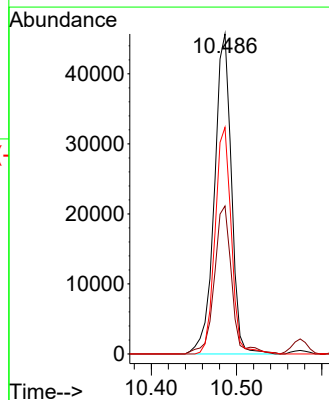
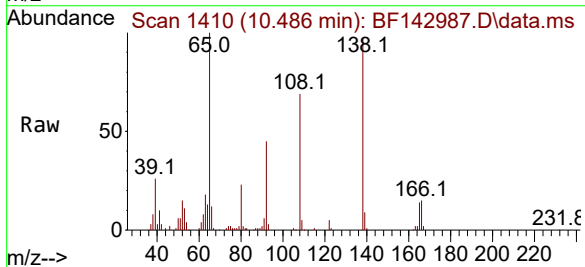
Instrument :
BNA_F
ClientSampleId :
SSTDCCC040

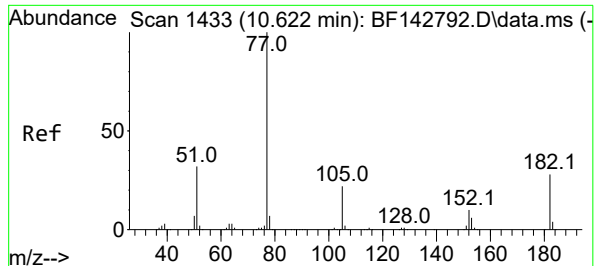
Tgt Ion:204 Resp: 146416
Ion Ratio Lower Upper
204 100
206 32.5 26.3 39.5
141 61.1 49.1 73.7



#62
4-Nitroaniline
Concen: 37.809 ng
RT: 10.486 min Scan# 1410
Delta R.T. 0.000 min
Lab File: BF142987.D
Acq: 03 Jul 2025 09:55

Tgt Ion:138 Resp: 63187
Ion Ratio Lower Upper
138 100
92 46.2 28.4 68.4
108 70.8 50.2 90.2





#63

Azobenzene

Concen: 37.889 ng

RT: 10.616 min Scan# 1432

Delta R.T. -0.006 min

Lab File: BF142987.D

Acq: 03 Jul 2025 09:55

Instrument :

BNA_F

ClientSampleId :

SSTDCCC040

Tgt Ion: 77 Resp: 250925

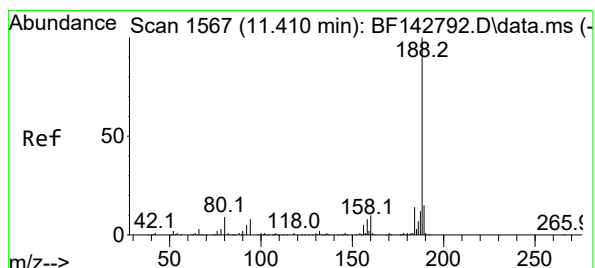
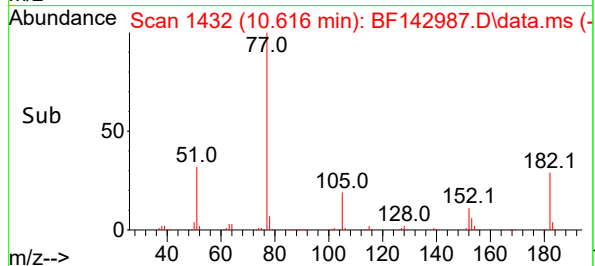
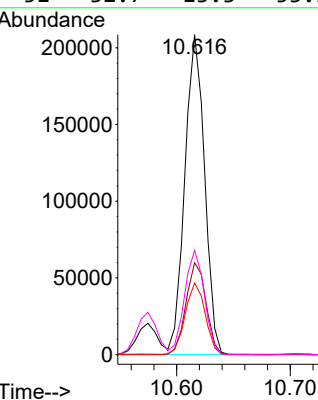
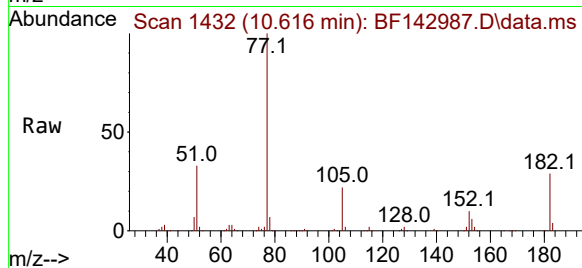
Ion Ratio Lower Upper

77 100

182 28.8 7.7 47.7

105 22.4 1.9 41.9

51 32.7 13.3 53.3



#64

Phenanthrene-d10

Concen: 20.000 ng

RT: 11.404 min Scan# 1566

Delta R.T. -0.006 min

Lab File: BF142987.D

Acq: 03 Jul 2025 09:55

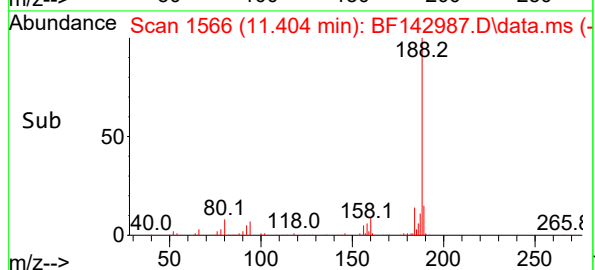
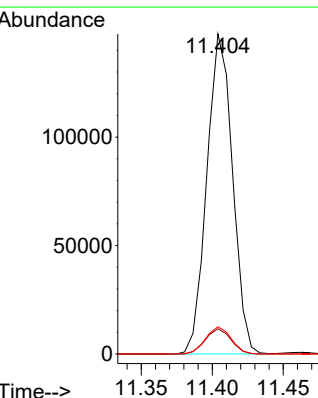
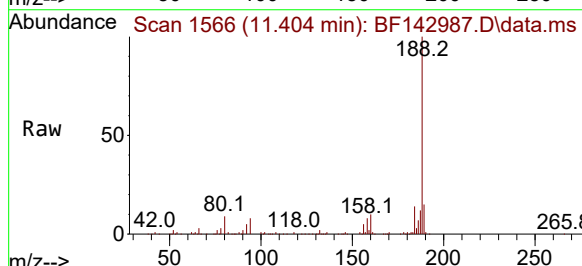
Tgt Ion: 188 Resp: 185461

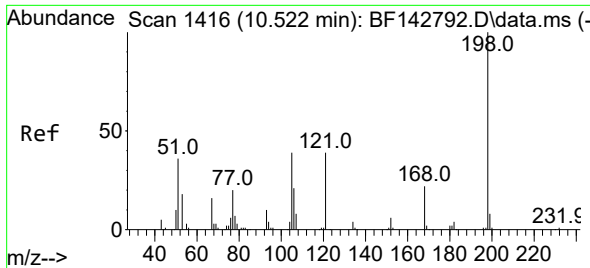
Ion Ratio Lower Upper

188 100

94 7.9 6.7 10.1

80 8.5 6.9 10.3

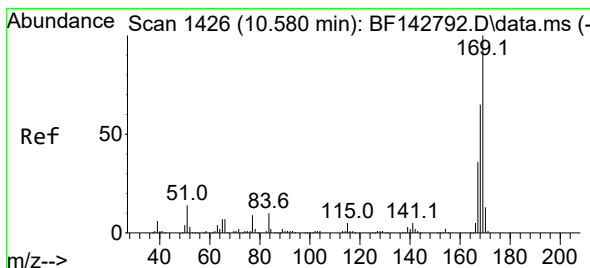
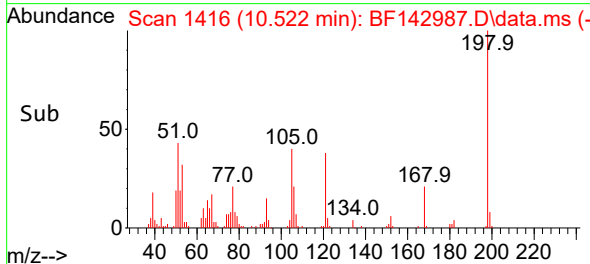
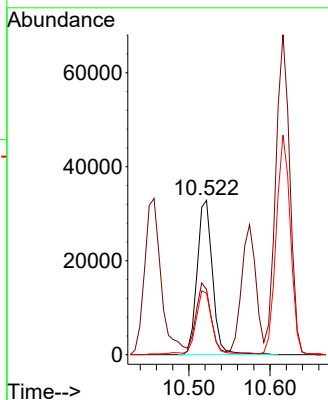
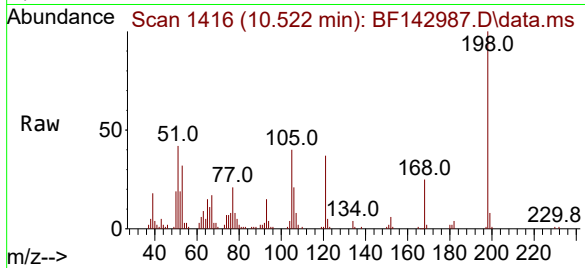




#65
4,6-Dinitro-2-methylphenol
Concen: 38.620 ng
RT: 10.522 min Scan# 1416
Delta R.T. 0.000 min
Lab File: BF142987.D
Acq: 03 Jul 2025 09:55

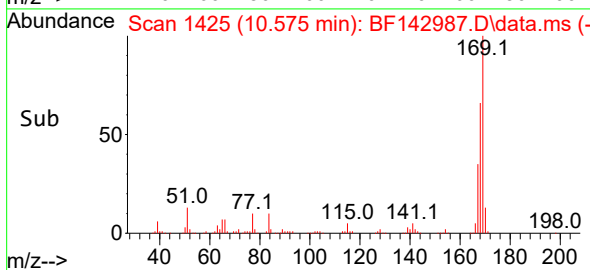
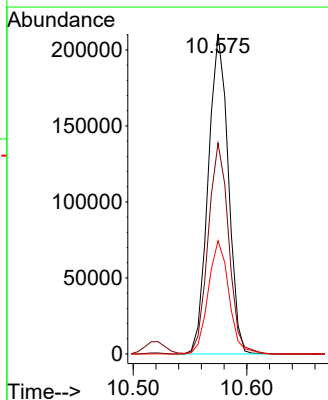
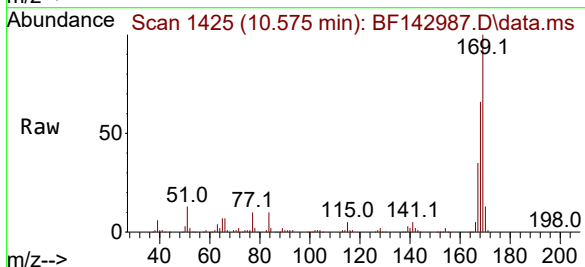
Instrument :
BNA_F
ClientSampleId :
SSTDCCC040

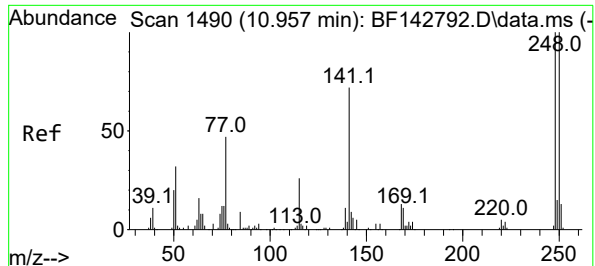
Tgt Ion	Ratio	Lower	Upper
198	100		
51	42.3	25.4	65.4
105	39.9	20.4	60.4



#66
n-Nitrosodiphenylamine
Concen: 40.136 ng
RT: 10.575 min Scan# 1425
Delta R.T. -0.006 min
Lab File: BF142987.D
Acq: 03 Jul 2025 09:55

Tgt Ion	Ratio	Lower	Upper
169	100		
168	65.9	51.9	77.9
167	35.4	28.5	42.7

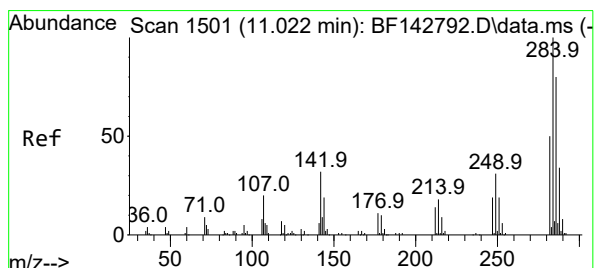
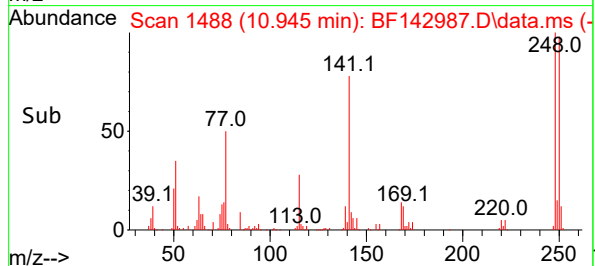
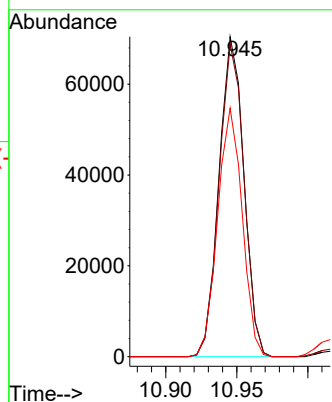
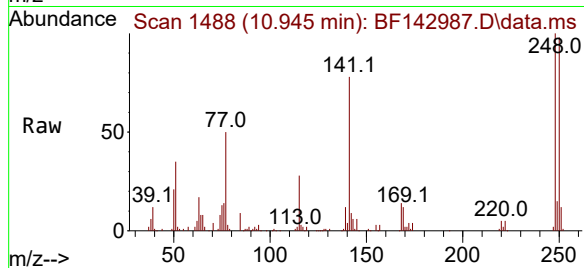




#67
4-Bromophenyl-phenylether
Concen: 40.663 ng
RT: 10.945 min Scan# 1488
Delta R.T. -0.012 min
Lab File: BF142987.D
Acq: 03 Jul 2025 09:55

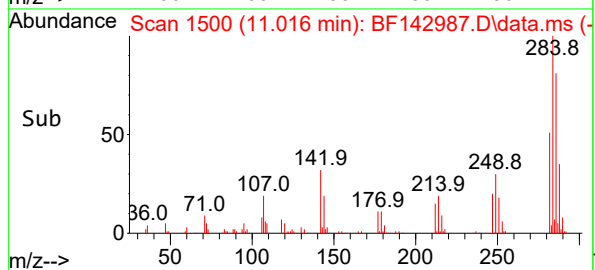
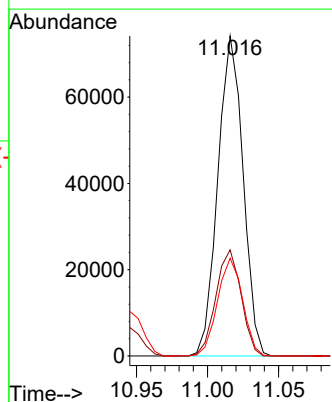
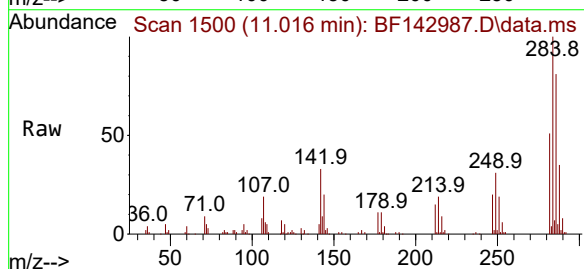
Instrument :
BNA_F
ClientSampleId :
SSTDCCC040

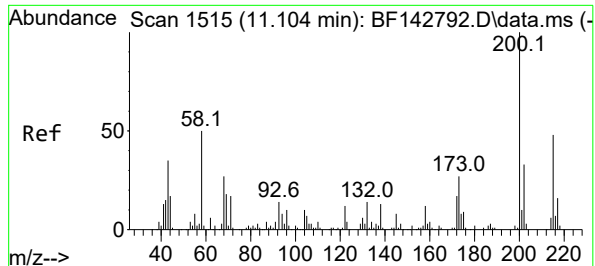
Tgt Ion:248 Resp: 85828
Ion Ratio Lower Upper
248 100
250 97.6 79.8 119.8
141 77.7 57.8 86.6



#68
Hexachlorobenzene
Concen: 39.037 ng
RT: 11.016 min Scan# 1500
Delta R.T. -0.006 min
Lab File: BF142987.D
Acq: 03 Jul 2025 09:55

Tgt Ion:284 Resp: 91556
Ion Ratio Lower Upper
284 100
142 33.2 25.5 38.3
249 30.6 24.9 37.3





#69

Atrazine

Concen: 42.197 ng

RT: 11.098 min Scan# 1514

Delta R.T. -0.006 min

Lab File: BF142987.D

Acq: 03 Jul 2025 09:55

Instrument :

BNA_F

ClientSampleId :

SSTDCCC040

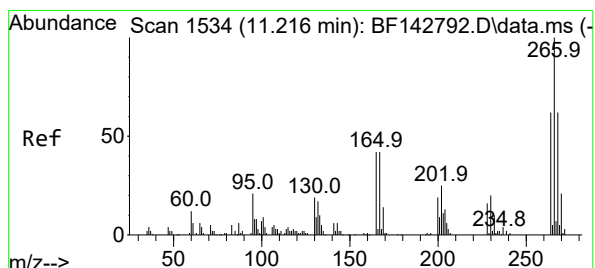
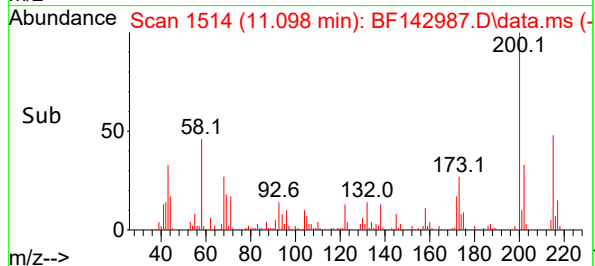
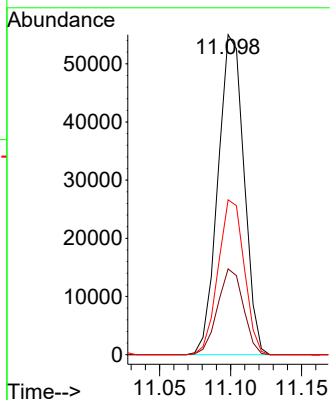
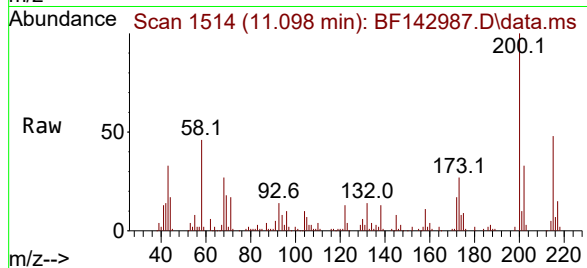
Tgt Ion:200 Resp: 70039

Ion Ratio Lower Upper

200 100

173 26.8 7.4 47.4

215 48.4 28.4 68.4



#70

Pentachlorophenol

Concen: 35.407 ng

RT: 11.216 min Scan# 1534

Delta R.T. 0.000 min

Lab File: BF142987.D

Acq: 03 Jul 2025 09:55

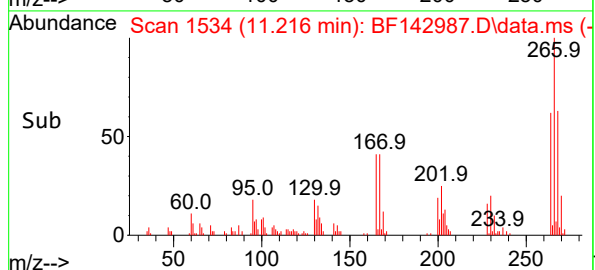
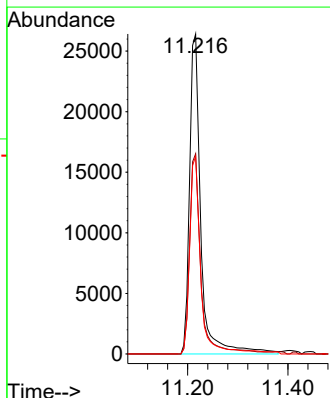
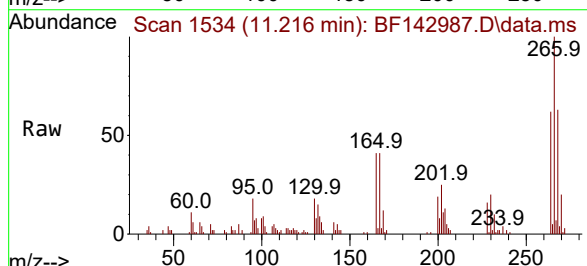
Tgt Ion:266 Resp: 41380

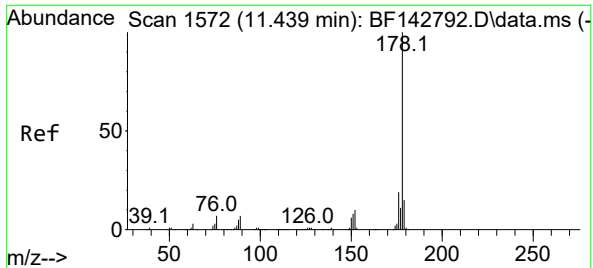
Ion Ratio Lower Upper

266 100

268 62.6 49.8 74.8

264 61.8 49.9 74.9





#71

Phenanthrene

Concen: 39.002 ng

RT: 11.433 min Scan# 1572

Delta R.T. -0.006 min

Lab File: BF142987.D

Acq: 03 Jul 2025 09:55

Instrument :

BNA_F

ClientSampleId :

SSTDCCC040

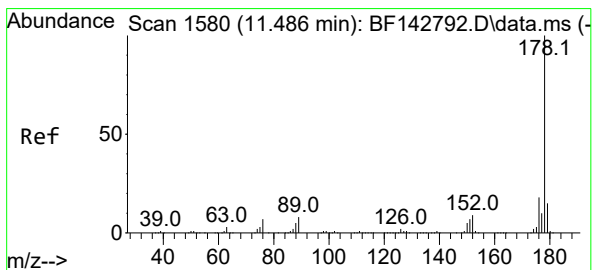
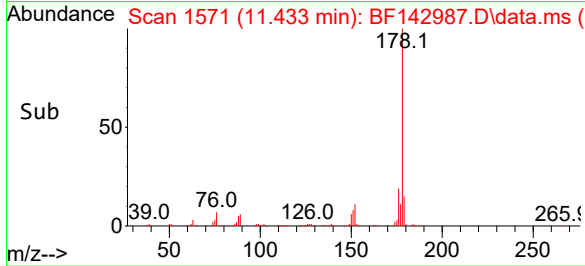
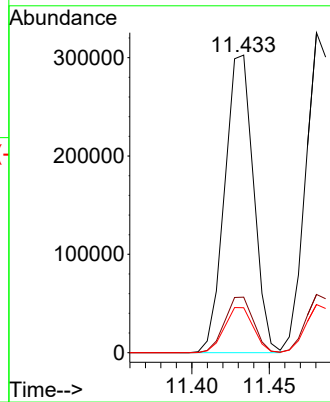
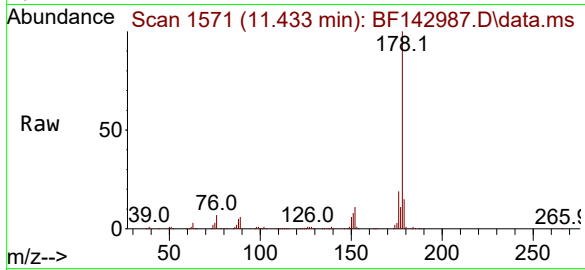
Tgt Ion:178 Resp: 391835

Ion Ratio Lower Upper

178 100

176 18.7 15.1 22.7

179 15.1 12.0 18.0



#72

Anthracene

Concen: 39.432 ng

RT: 11.480 min Scan# 1579

Delta R.T. -0.006 min

Lab File: BF142987.D

Acq: 03 Jul 2025 09:55

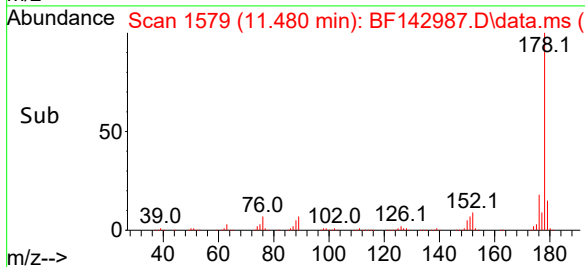
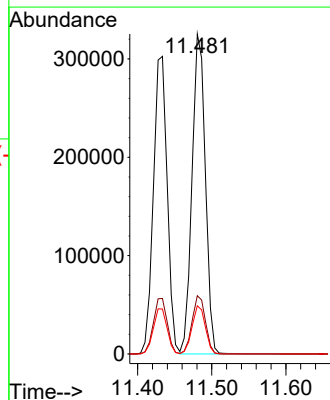
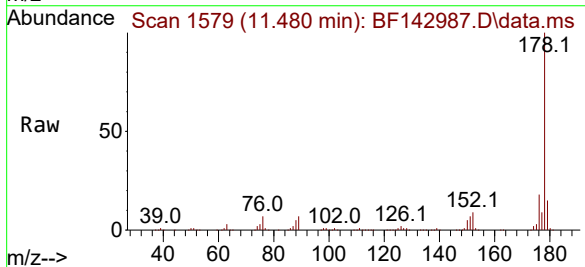
Tgt Ion:178 Resp: 406285

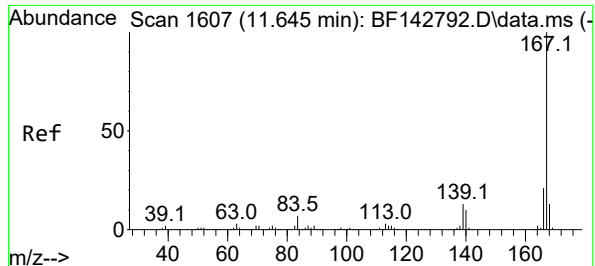
Ion Ratio Lower Upper

178 100

176 18.2 14.6 21.8

179 15.0 12.4 18.6

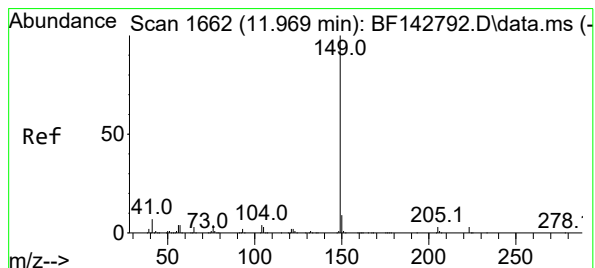
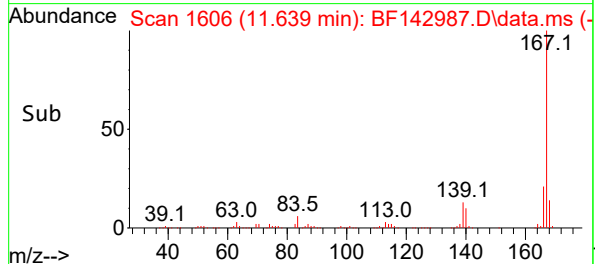
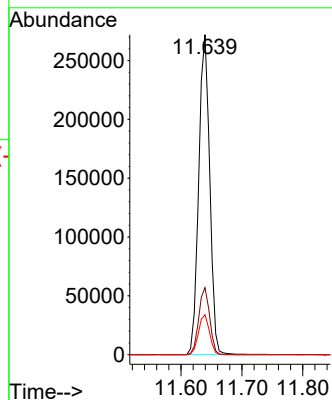
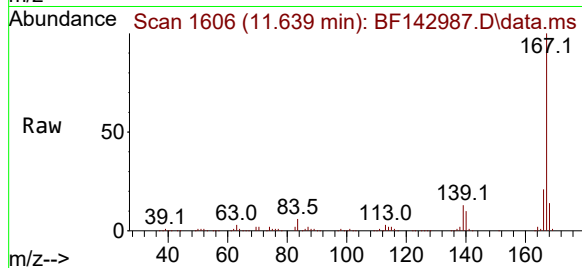




#73
Carbazole
Concen: 38.315 ng
RT: 11.639 min Scan# 1606
Delta R.T. -0.006 min
Lab File: BF142987.D
Acq: 03 Jul 2025 09:55

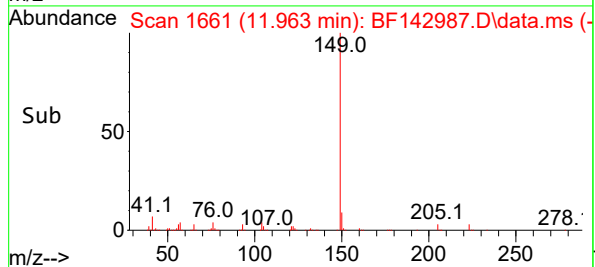
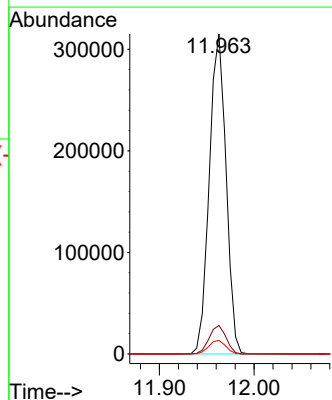
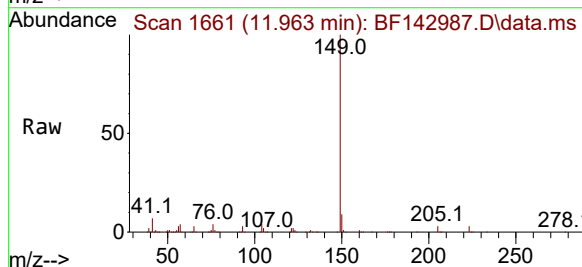
Instrument :
BNA_F
ClientSampleId :
SSTDCCC040

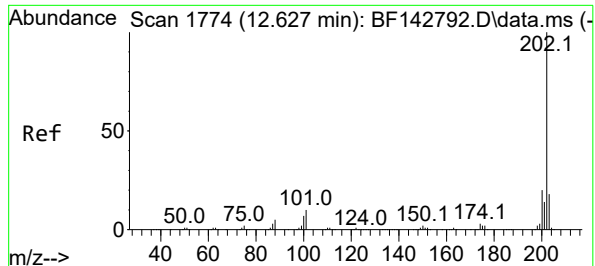
Tgt Ion:167 Resp: 340680
Ion Ratio Lower Upper
167 100
166 21.0 17.0 25.4
139 12.5 10.2 15.2



#74
Di-n-butylphthalate
Concen: 41.741 ng
RT: 11.963 min Scan# 1661
Delta R.T. -0.006 min
Lab File: BF142987.D
Acq: 03 Jul 2025 09:55

Tgt Ion:149 Resp: 386639
Ion Ratio Lower Upper
149 100
150 8.9 7.4 11.0
104 4.3 3.5 5.3





#75

Fluoranthene

Concen: 37.478 ng

RT: 12.622 min Scan# 11

Delta R.T. -0.006 min

Lab File: BF142987.D

Acq: 03 Jul 2025 09:55

Instrument :

BNA_F

ClientSampleId :

SSTDCCC040

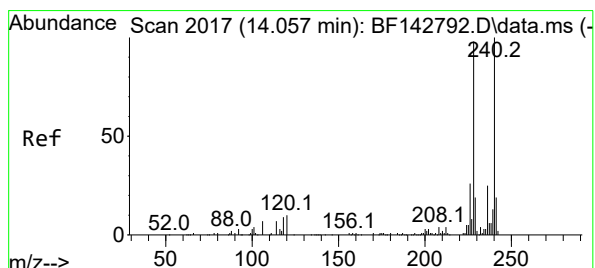
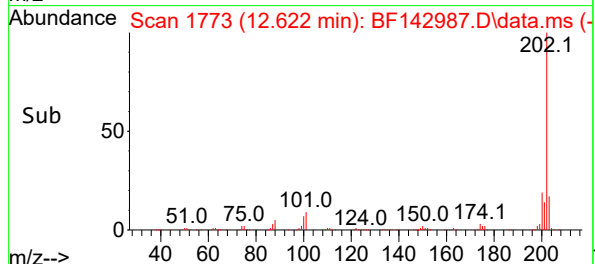
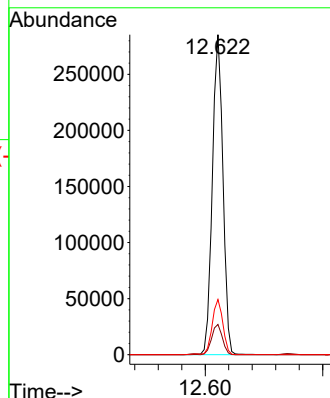
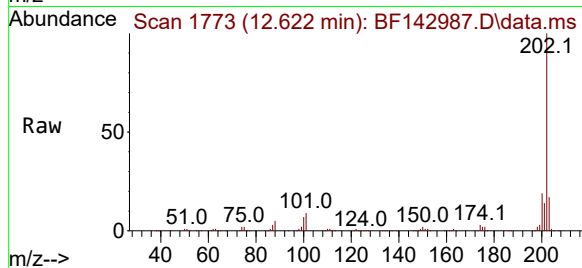
Tgt Ion:202 Resp: 357341

Ion Ratio Lower Upper

202 100

101 9.4 0.0 29.7

203 17.3 0.0 37.5



#76

Chrysene-d12

Concen: 20.000 ng

RT: 14.051 min Scan# 2016

Delta R.T. -0.006 min

Lab File: BF142987.D

Acq: 03 Jul 2025 09:55

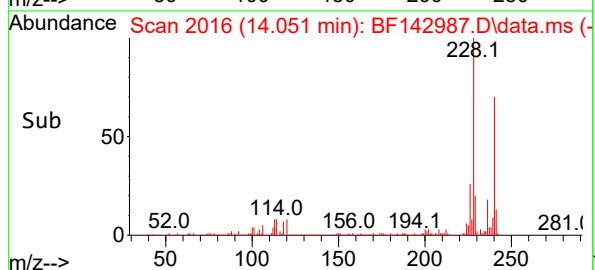
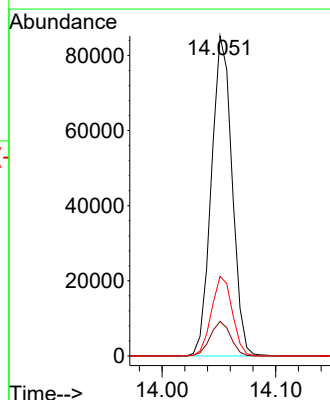
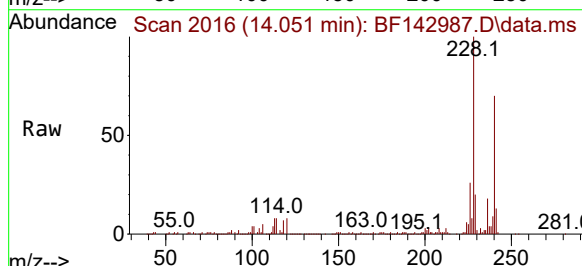
Tgt Ion:240 Resp: 107728

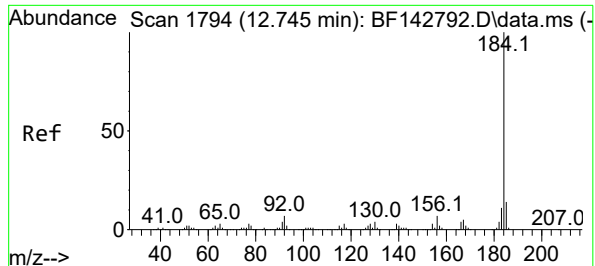
Ion Ratio Lower Upper

240 100

120 10.8 8.2 12.2

236 24.9 19.8 29.8





#77

Benzidine

Concen: 48.497 ng

RT: 12.745 min Scan# 11

Delta R.T. 0.000 min

Lab File: BF142987.D

Acq: 03 Jul 2025 09:55

Instrument :

BNA_F

ClientSampleId :

SSTDCCC040

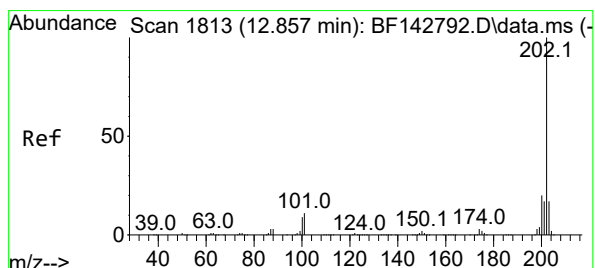
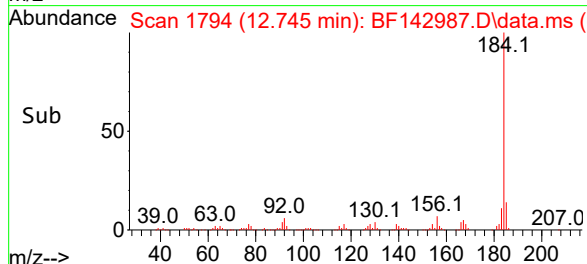
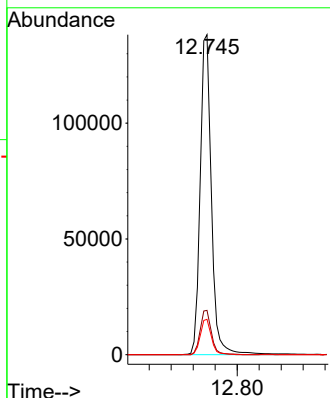
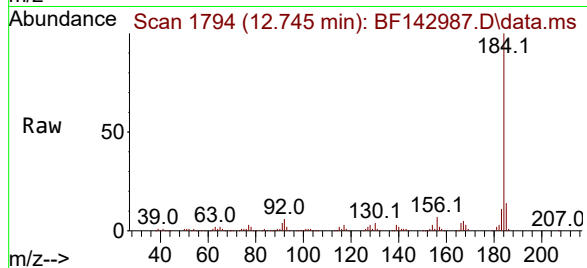
Tgt Ion:184 Resp: 196289

Ion Ratio Lower Upper

184 100

185 13.9 11.5 17.3

183 11.1 9.0 13.4



#78

Pyrene

Concen: 39.708 ng

RT: 12.851 min Scan# 1812

Delta R.T. -0.006 min

Lab File: BF142987.D

Acq: 03 Jul 2025 09:55

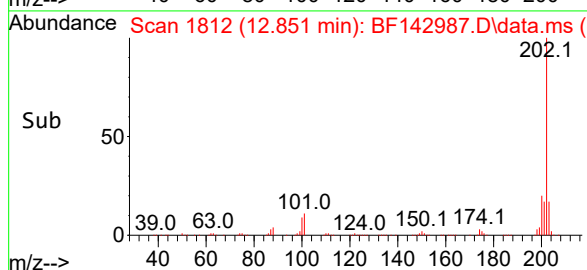
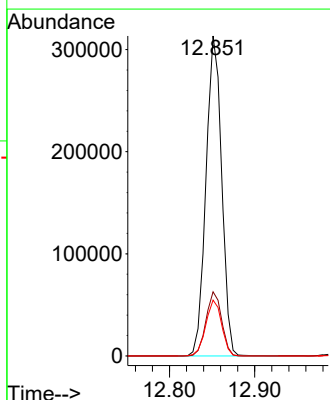
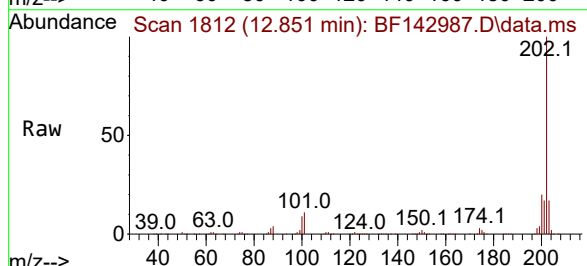
Tgt Ion:202 Resp: 400958

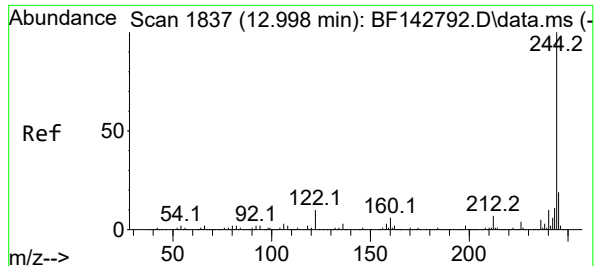
Ion Ratio Lower Upper

202 100

200 20.0 15.7 23.5

203 17.5 13.8 20.6





#79

Terphenyl-d14

Concen: 76.727 ng

RT: 12.992 min Scan# 1836

Delta R.T. -0.006 min

Lab File: BF142987.D

Acq: 03 Jul 2025 09:55

Instrument :

BNA_F

ClientSampleId :

SSTDCCC040

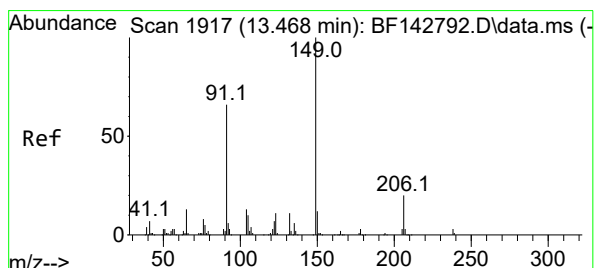
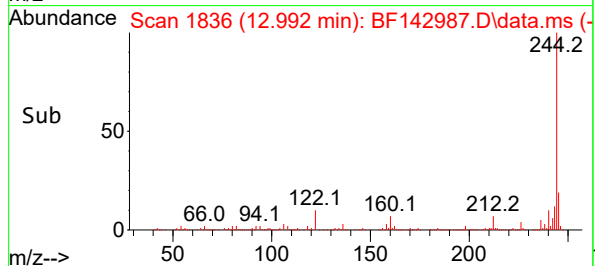
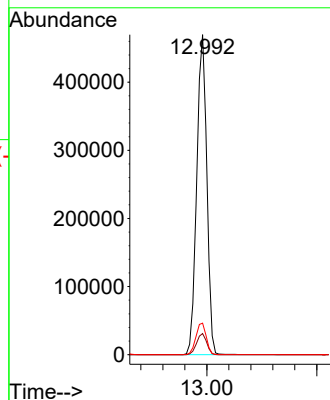
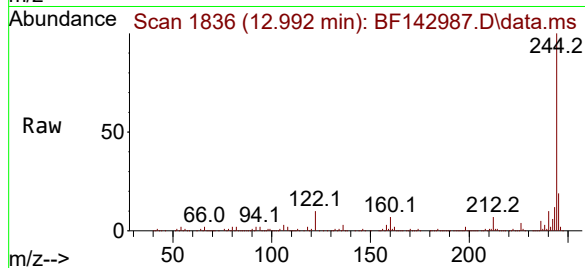
Tgt Ion:244 Resp: 598225

Ion Ratio Lower Upper

244 100

212 6.6 5.4 8.0

122 9.9 8.2 12.2



#80

Butylbenzylphthalate

Concen: 45.336 ng

RT: 13.463 min Scan# 1916

Delta R.T. -0.006 min

Lab File: BF142987.D

Acq: 03 Jul 2025 09:55

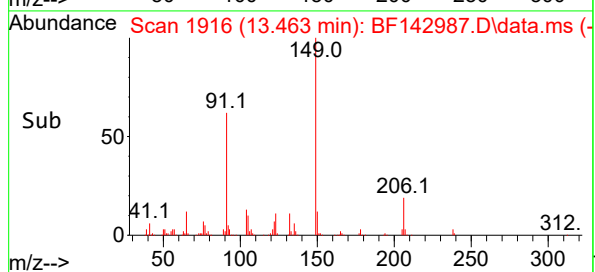
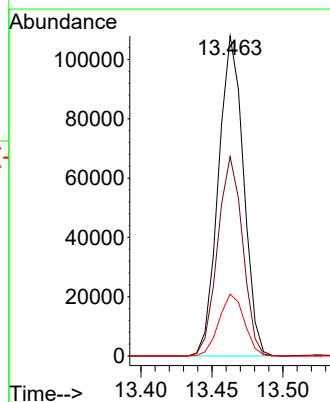
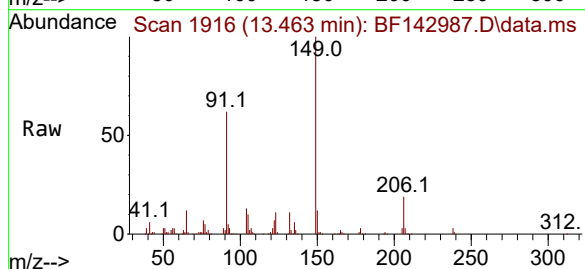
Tgt Ion:149 Resp: 132794

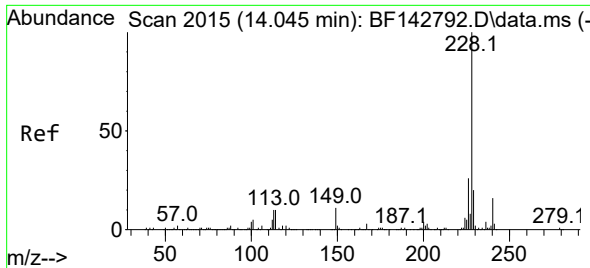
Ion Ratio Lower Upper

149 100

91 62.3 52.9 79.3

206 19.3 16.3 24.5

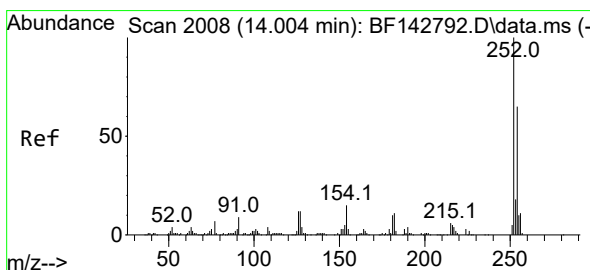
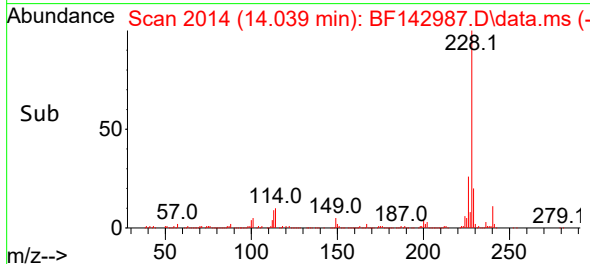
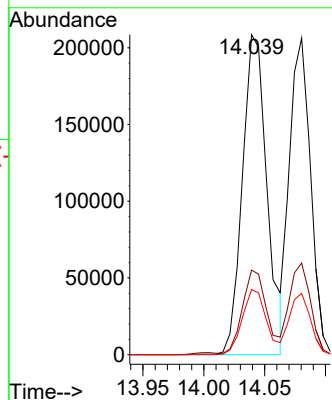
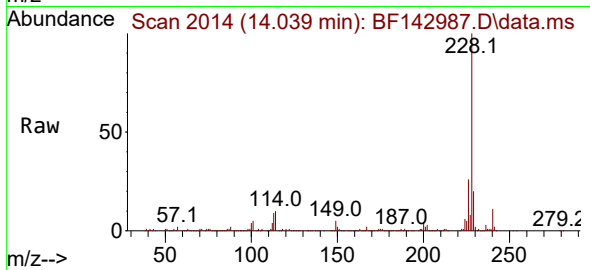




#81
Benzo(a)anthracene
Concen: 40.334 ng
RT: 14.039 min Scan# 2015
Delta R.T. -0.006 min
Lab File: BF142987.D
Acq: 03 Jul 2025 09:55

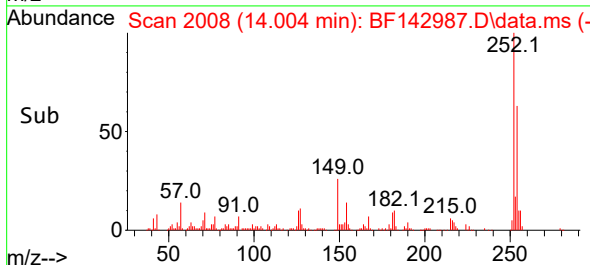
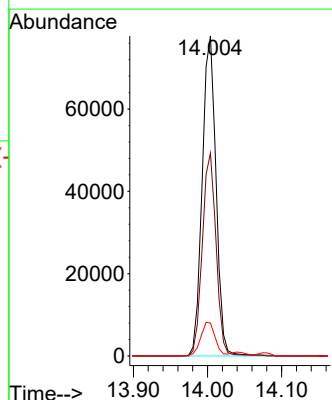
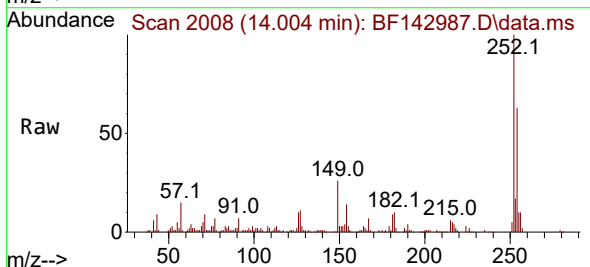
Instrument :
BNA_F
ClientSampleId :
SSTDCCC040

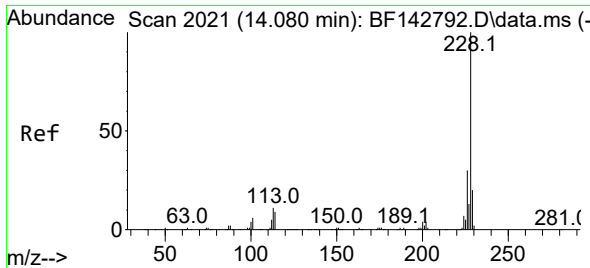
Tgt Ion:228 Resp: 293122
Ion Ratio Lower Upper
228 100
226 26.4 21.2 31.8
229 20.4 15.6 23.4



#82
3,3'-Dichlorobenzidine
Concen: 42.716 ng
RT: 14.004 min Scan# 2008
Delta R.T. 0.000 min
Lab File: BF142987.D
Acq: 03 Jul 2025 09:55

Tgt Ion:252 Resp: 100692
Ion Ratio Lower Upper
252 100
254 63.4 51.7 77.5
126 10.3 9.4 14.2

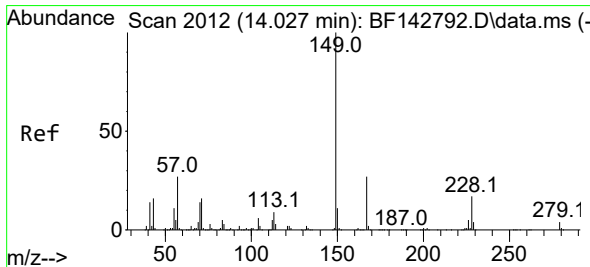
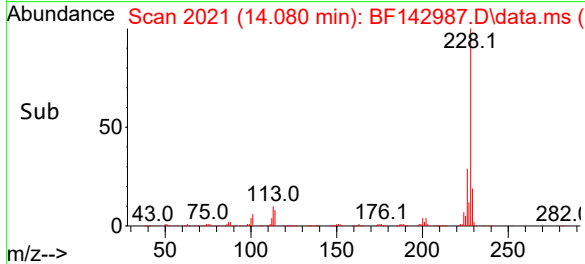
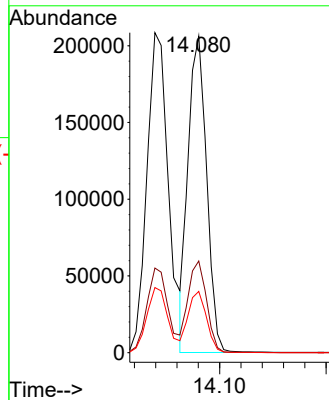
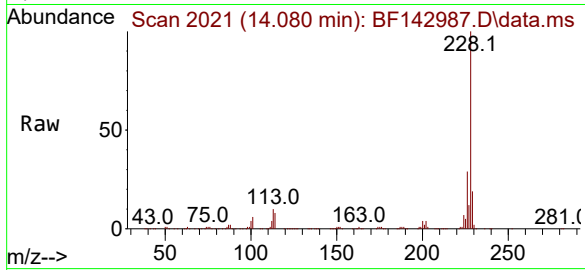




#83
Chrysene
Concen: 38.324 ng
RT: 14.080 min Scan# 2011
Delta R.T. 0.000 min
Lab File: BF142987.D
Acq: 03 Jul 2025 09:55

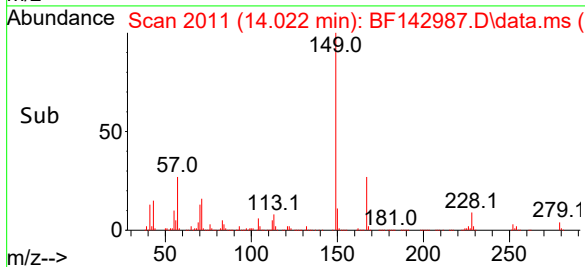
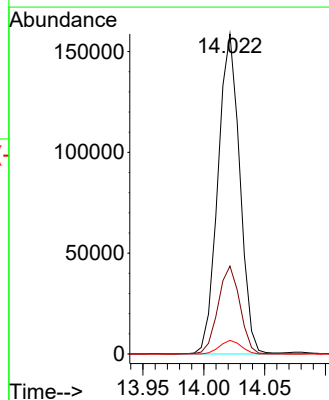
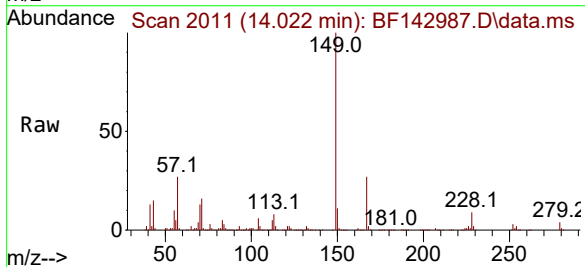
Instrument :
BNA_F
ClientSampleId :
SSTDCCC040

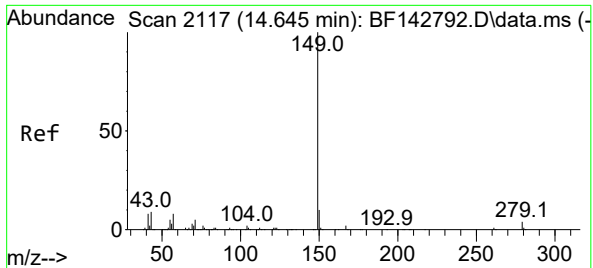
Tgt Ion:228 Resp: 248524
Ion Ratio Lower Upper
228 100
226 29.0 23.7 35.5
229 19.4 15.7 23.5



#84
Bis(2-ethylhexyl)phthalate
Concen: 47.096 ng
RT: 14.022 min Scan# 2011
Delta R.T. -0.006 min
Lab File: BF142987.D
Acq: 03 Jul 2025 09:55

Tgt Ion:149 Resp: 198476
Ion Ratio Lower Upper
149 100
167 27.4 21.4 32.0
279 4.2 3.0 4.6

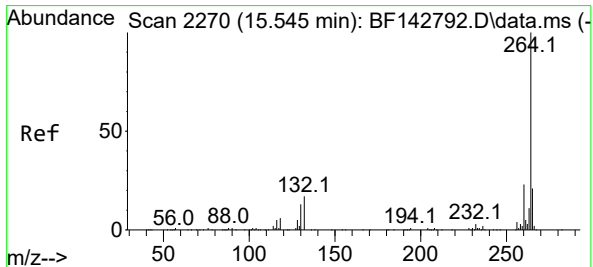
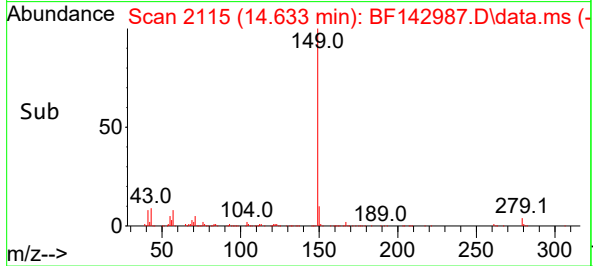
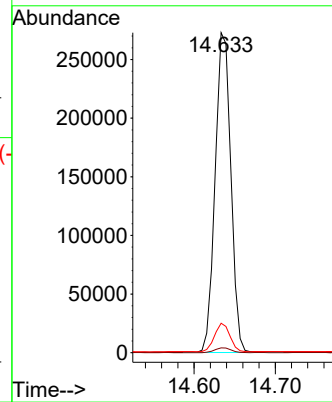
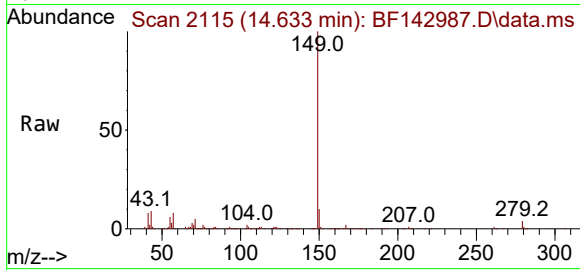




#85
Di-n-octyl phthalate
Concen: 46.074 ng
RT: 14.633 min Scan# 2115
Delta R.T. -0.012 min
Lab File: BF142987.D
Acq: 03 Jul 2025 09:55

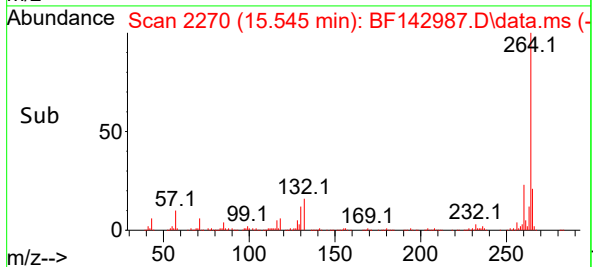
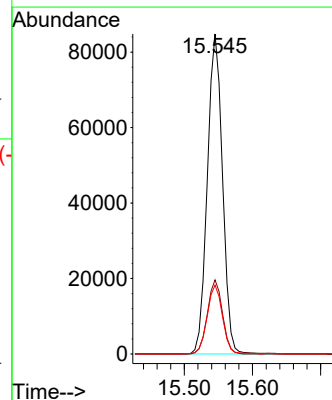
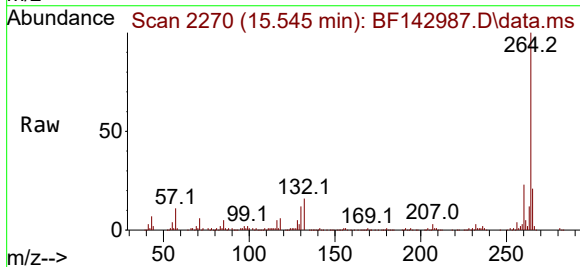
Instrument :
BNA_F
ClientSampleId :
SSTDCCC040

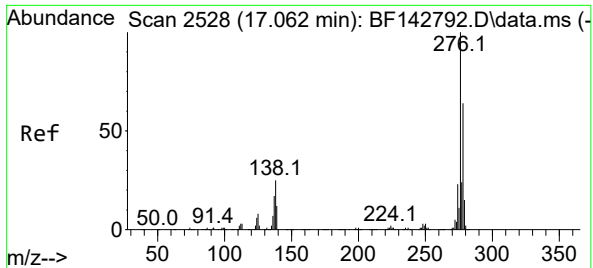
Tgt Ion:149 Resp: 366137
Ion Ratio Lower Upper
149 100
167 1.6 1.3 1.9
43 8.6 7.6 11.4



#86
Perylene-d12
Concen: 20.000 ng
RT: 15.545 min Scan# 2270
Delta R.T. 0.000 min
Lab File: BF142987.D
Acq: 03 Jul 2025 09:55

Tgt Ion:264 Resp: 131364
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: 37.078 ng

RT: 17.068 min Scan# 2196

Delta R.T. 0.006 min

Lab File: BF142987.D

Acq: 03 Jul 2025 09:55

Instrument :

BNA_F

ClientSampleId :

SSTDCCC040

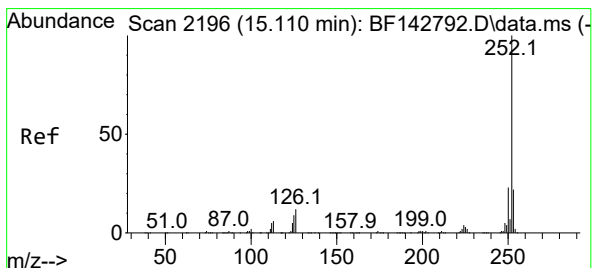
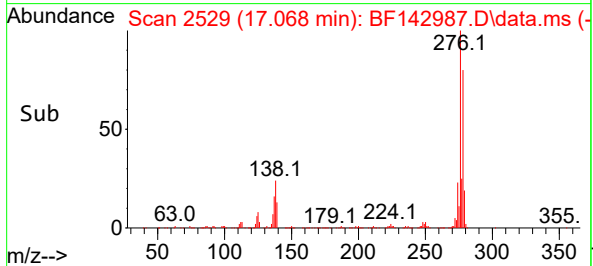
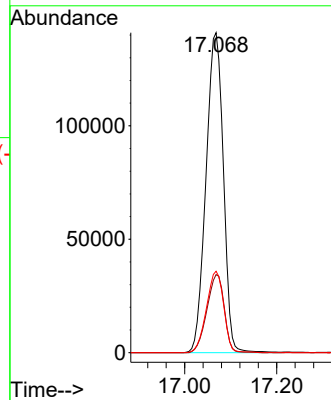
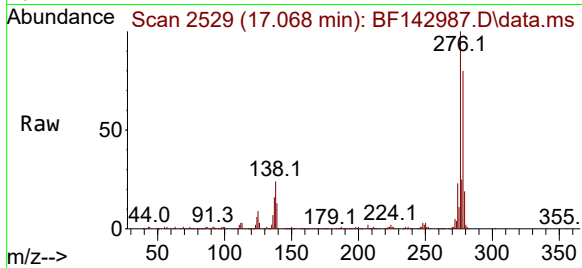
Tgt Ion:276 Resp: 370993

Ion Ratio Lower Upper

276 100

138 24.3 20.2 30.4

277 25.3 19.8 29.6



#88

Benzo(b)fluoranthene

Concen: 40.149 ng

RT: 15.110 min Scan# 2196

Delta R.T. 0.000 min

Lab File: BF142987.D

Acq: 03 Jul 2025 09:55

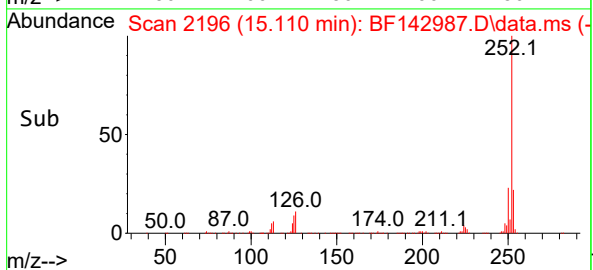
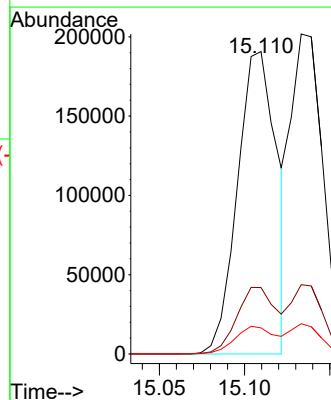
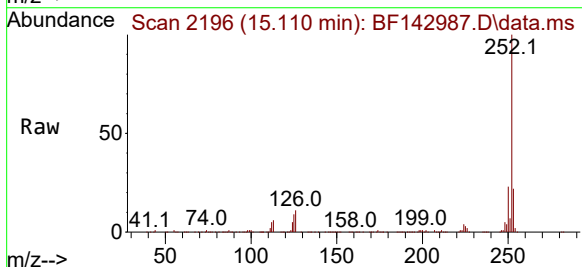
Tgt Ion:252 Resp: 305182

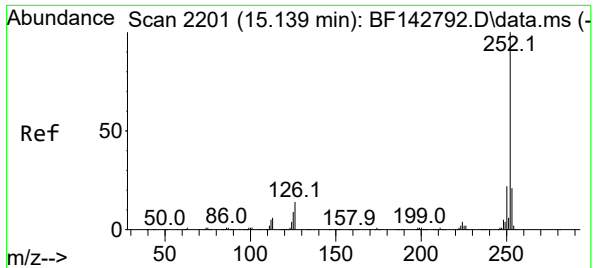
Ion Ratio Lower Upper

252 100

253 22.0 17.5 26.3

125 8.6 7.4 11.0





#89

Benzo(k)fluoranthene

Concen: 37.503 ng

RT: 15.133 min Scan# 21

Delta R.T. -0.006 min

Lab File: BF142987.D

Acq: 03 Jul 2025 09:55

Instrument :

BNA_F

ClientSampleId :

SSTDCCC040

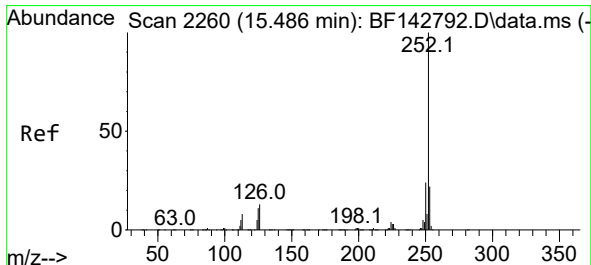
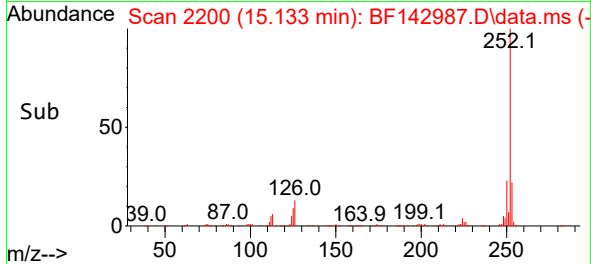
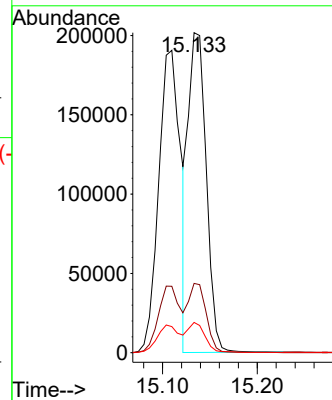
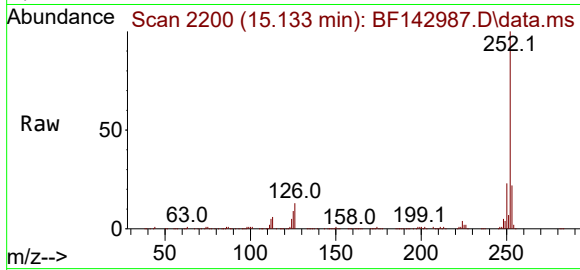
Tgt Ion:252 Resp: 266707

Ion Ratio Lower Upper

252 100

253 21.6 17.2 25.8

125 9.5 7.4 11.2



#90

Benzo(a)pyrene

Concen: 39.025 ng

RT: 15.486 min Scan# 2260

Delta R.T. 0.000 min

Lab File: BF142987.D

Acq: 03 Jul 2025 09:55

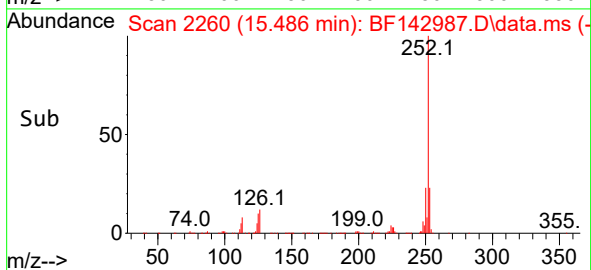
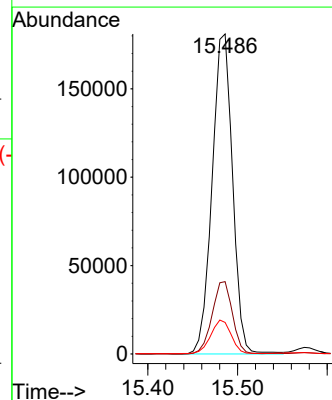
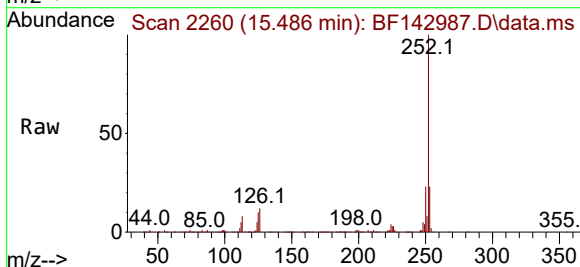
Tgt Ion:252 Resp: 286573

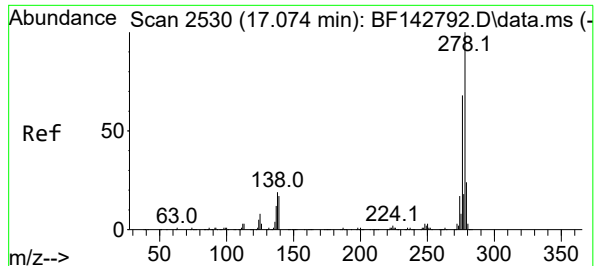
Ion Ratio Lower Upper

252 100

253 22.6 17.5 26.3

125 9.9 8.6 12.8





#91

Dibenzo(a,h)anthracene

Concen: 36.984 ng

RT: 17.080 min Scan# 21

Delta R.T. 0.006 min

Lab File: BF142987.D

Acq: 03 Jul 2025 09:55

Instrument :

BNA_F

ClientSampleId :

SSTDCCC040

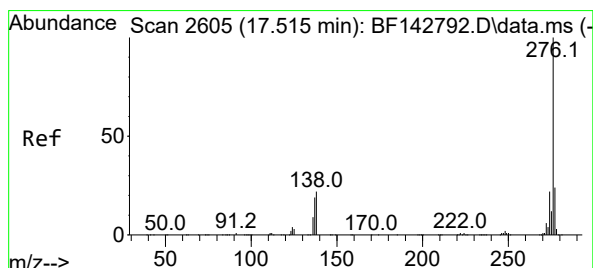
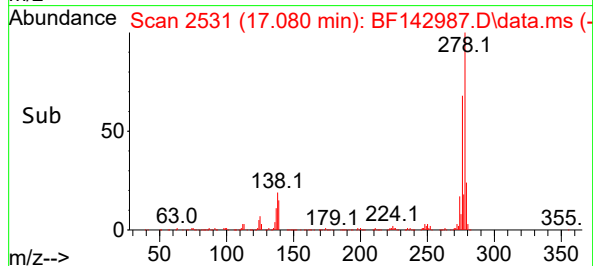
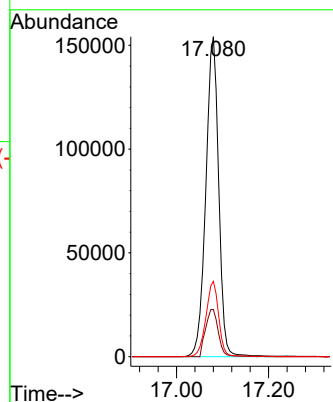
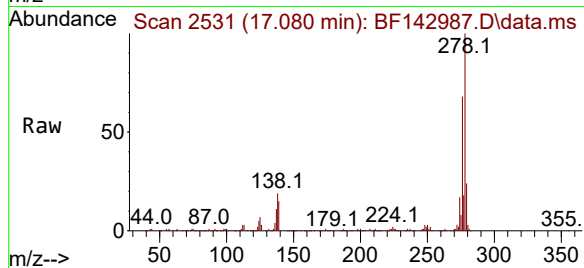
Tgt Ion:278 Resp: 300677

Ion Ratio Lower Upper

278 100

139 14.7 13.5 20.3

279 23.6 18.8 28.2



#92

Benzo(g,h,i)perylene

Concen: 35.763 ng

RT: 17.521 min Scan# 2606

Delta R.T. 0.006 min

Lab File: BF142987.D

Acq: 03 Jul 2025 09:55

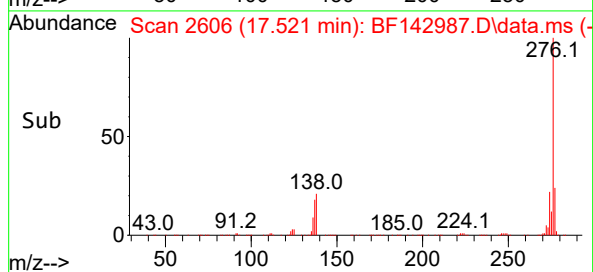
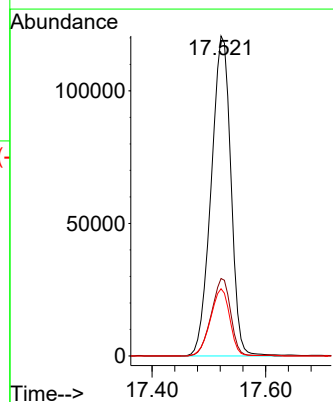
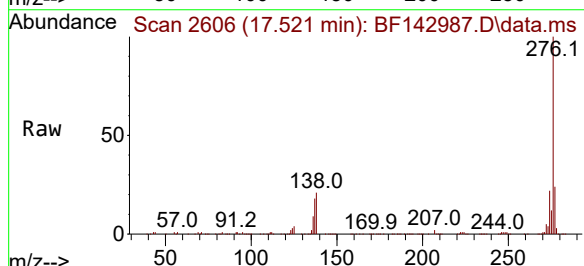
Tgt Ion:276 Resp: 289923

Ion Ratio Lower Upper

276 100

277 24.2 18.8 28.2

138 21.0 17.6 26.4



Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF070325\
 Data File : BF142987.D
 Acq On : 03 Jul 2025 09:55
 Operator : RC/JU
 Sample : SSTDCCC040
 Misc :
 ALS Vial : 2 Sample Multiplier: 1

Instrument :
 BNA_F
 LabSampleId :
 SSTDCCC040

Quant Time: Jul 03 11:17:06 2025
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF061925.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Tue Jun 24 05:28:21 2025
 Response via : Initial Calibration

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	74	0.00
2	1,4-Dioxane	0.480	0.430	10.4	69	-0.02
3	Pyridine	1.205	1.078	10.5	69	-0.01
4	n-Nitrosodimethylamine	0.623	0.566	9.1	70	-0.01
5 S	2-Fluorophenol	1.201	1.155	3.8	75	0.00
6	Aniline	1.886	1.754	7.0	72	0.00
7 S	Phenol-d6	1.417	1.350	4.7	75	0.00
8	2-Chlorophenol	1.296	1.258	2.9	75	0.00
9	Benzaldehyde	0.841	0.872	-3.7	85	0.00
10 C	Phenol	1.575	1.488	5.5	73	0.00
11	bis(2-Chloroethyl)ether	1.126	1.068	5.2	74	0.00
12	1,3-Dichlorobenzene	1.449	1.402	3.2	76	0.00
13 C	1,4-Dichlorobenzene	1.462	1.411	3.5	74	0.00
14	1,2-Dichlorobenzene	1.387	1.345	3.0	75	0.00
15	Benzyl Alcohol	1.025	0.986	3.8	75	0.00
16	2,2'-oxybis(1-Chloropropane	1.809	1.607	11.2	69	-0.01
17	2-Methylphenol	0.982	0.942	4.1	74	0.00
18	Hexachloroethane	0.511	0.494	3.3	74	0.00
19 P	n-Nitroso-di-n-propylamine	0.824	0.783	5.0	74	0.00
20	3+4-Methylphenols	1.224	1.205	1.6	76	0.00
21 I	Naphthalene-d8	1.000	1.000	0.0	73	-0.01
22	Acetophenone	0.441	0.435	1.4	76	0.00
23 S	Nitrobenzene-d5	0.365	0.383	-4.9	79	0.00
24	Nitrobenzene	0.330	0.319	3.3	73	0.00
25	Isophorone	0.585	0.556	5.0	73	0.00
26 C	2-Nitrophenol	0.180	0.181	-0.6	74	0.00
27	2,4-Dimethylphenol	0.311	0.288	7.4	70	0.00
28	bis(2-Chloroethoxy)methane	0.372	0.360	3.2	75	0.00
29 C	2,4-Dichlorophenol	0.282	0.274	2.8	74	0.00
30	1,2,4-Trichlorobenzene	0.310	0.302	2.6	74	0.00
31	Naphthalene	0.979	0.960	1.9	75	0.00
32	Benzoic acid	0.159	0.129	18.9	60	0.00
33	4-Chloroaniline	0.398	0.386	3.0	75	0.00
34 C	Hexachlorobutadiene	0.190	0.191	-0.5	76	-0.01
35	Caprolactam	0.075	0.071	5.3	73	0.00
36 C	4-Chloro-3-methylphenol	0.281	0.270	3.9	74	0.00
37	2-Methylnaphthalene	0.607	0.585	3.6	74	0.00
38	1-Methylnaphthalene	0.628	0.611	2.7	75	-0.01
39 I	Acenaphthene-d10	1.000	1.000	0.0	72	0.00
40	1,2,4,5-Tetrachlorobenzene	0.590	0.594	-0.7	77	0.00
41 P	Hexachlorocyclopentadiene	0.335	0.268	20.0	57	-0.01
42 S	2,4,6-Tribromophenol	0.206	0.200	2.9	72	0.00
43 C	2,4,6-Trichlorophenol	0.385	0.379	1.6	75	0.00
44	2,4,5-Trichlorophenol	0.405	0.404	0.2	75	0.00
45 S	2-Fluorobiphenyl	1.522	1.626	-6.8	82	-0.01
46	1,1'-Biphenyl	1.580	1.566	0.9	75	0.00
47	2-Chloronaphthalene	1.186	1.170	1.3	75	0.00

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF070325\
 Data File : BF142987.D
 Acq On : 03 Jul 2025 09:55
 Operator : RC/JU
 Sample : SSTDCCC040
 Misc :
 ALS Vial : 2 Sample Multiplier: 1

Instrument :
 BNA_F
 LabSampleId :
 SSTDCCC040

Quant Time: Jul 03 11:17:06 2025
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF061925.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Tue Jun 24 05:28:21 2025
 Response via : Initial Calibration

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	0.323	2.7	72	0.00
49	Acenaphthylene	1.952	1.899	2.7	74	0.00
50	Dimethylphthalate	1.295	1.278	1.3	75	-0.01
51	2,6-Dinitrotoluene	0.284	0.278	2.1	72	0.00
52 C	Acenaphthene	1.191	1.172	1.6	74	0.00
53	3-Nitroaniline	0.313	0.303	3.2	72	0.00
54 P	2,4-Dinitrophenol	0.142	0.131	7.7	66	0.00
55	Dibenzofuran	1.708	1.633	4.4	72	0.00
56 P	4-Nitrophenol	0.214	0.226	-5.6	78	0.00
57	2,4-Dinitrotoluene	0.378	0.365	3.4	72	0.00
58	Fluorene	1.334	1.318	1.2	75	0.00
59	2,3,4,6-Tetrachlorophenol	0.326	0.310	4.9	72	0.00
60	Diethylphthalate	1.269	1.256	1.0	75	0.00
61	4-Chlorophenyl-phenylether	0.636	0.627	1.4	76	0.00
62	4-Nitroaniline	0.286	0.271	5.2	72	0.00
63	Azobenzene	1.134	1.075	5.2	72	0.00
64 I	Phenanthrene-d10	1.000	1.000	0.0	70	0.00
65	4,6-Dinitro-2-methylphenol	0.121	0.117	3.3	69	0.00
66 c	n-Nitrosodiphenylamine	0.693	0.695	-0.3	73	0.00
67	4-Bromophenyl-phenylether	0.228	0.231	-1.3	75	-0.01
68	Hexachlorobenzene	0.253	0.247	2.4	72	0.00
69	Atrazine	0.179	0.189	-5.6	77	0.00
70 C	Pentachlorophenol	0.126	0.112	11.1	63	0.00
71	Phenanthrene	1.083	1.056	2.5	72	0.00
72	Anthracene	1.111	1.095	1.4	73	0.00
73	Carbazole	0.959	0.918	4.3	72	0.00
74	Di-n-butylphthalate	0.999	1.042	-4.3	78	0.00
75 C	Fluoranthene	1.028	0.963	6.3	71	0.00
76 I	Chrysene-d12	1.000	1.000	0.0	76	0.00
77	Benzydine	0.751	0.911	-21.3	89	0.00
78	Pyrene	1.875	1.861	0.7	81	0.00
79 S	Terphenyl-d14	1.447	1.388	4.1	79	0.00
80	Butylbenzylphthalate	0.544	0.616	-13.2	85	0.00
81	Benzo(a)anthracene	1.349	1.360	-0.8	81	0.00
82	3,3'-Dichlorobenzidine	0.438	0.467	-6.6	82	0.00
83	Chrysene	1.204	1.153	4.2	75	0.00
84	Bis(2-ethylhexyl)phthalate	0.782	0.921	-17.8	87	0.00
85 c	Di-n-octyl phthalate	1.475	1.699	-15.2	88	-0.01
86 I	Perylene-d12	1.000	1.000	0.0	77	0.00
87	Indeno(1,2,3-cd)pyrene	1.523	1.412	7.3	74	0.00
88	Benzo(b)fluoranthene	1.157	1.162	-0.4	84	0.00
89	Benzo(k)fluoranthene	1.083	1.015	6.3	76	0.00
90 C	Benzo(a)pyrene	1.118	1.091	2.4	79	0.00
91	Dibenzo(a,h)anthracene	1.238	1.144	7.6	75	0.00
92	Benzo(g,h,i)perylene	1.234	1.104	10.5	72	0.00

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF070325\
Data File : BF142987.D
Acq On : 03 Jul 2025 09:55
Operator : RC/JU
Sample : SSTDCCC040
Misc :
ALS Vial : 2 Sample Multiplier: 1

Instrument :
BNA_F
LabSampleId :
SSTDCCC040

Quant Time: Jul 03 11:17:06 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF061925.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Tue Jun 24 05:28:21 2025
Response via : Initial Calibration

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\BF070325\
 Data File : BF142987.D
 Acq On : 03 Jul 2025 09:55
 Operator : RC/JU
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 Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF061925.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
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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	74	0.00
2	1,4-Dioxane	40.000	35.803	10.5	69	-0.02
3	Pyridine	40.000	35.799	10.5	69	-0.01
4	n-Nitrosodimethylamine	40.000	36.332	9.2	70	-0.01
5 S	2-Fluorophenol	80.000	76.934	3.8	75	0.00
6	Aniline	40.000	37.212	7.0	72	0.00
7 S	Phenol-d6	80.000	76.199	4.8	75	0.00
8	2-Chlorophenol	40.000	38.827	2.9	75	0.00
9	Benzaldehyde	40.000	41.465	-3.7	85	0.00
10 C	Phenol	40.000	37.793	5.5	73	0.00
11	bis(2-Chloroethyl)ether	40.000	37.924	5.2	74	0.00
12	1,3-Dichlorobenzene	40.000	38.707	3.2	76	0.00
13 C	1,4-Dichlorobenzene	40.000	38.596	3.5	74	0.00
14	1,2-Dichlorobenzene	40.000	38.787	3.0	75	0.00
15	Benzyl Alcohol	40.000	38.506	3.7	75	0.00
16	2,2'-oxybis(1-Chloropropane	40.000	35.533	11.2	69	-0.01
17	2-Methylphenol	40.000	38.358	4.1	74	0.00
18	Hexachloroethane	40.000	38.672	3.3	74	0.00
19 P	n-Nitroso-di-n-propylamine	40.000	37.974	5.1	74	0.00
20	3+4-Methylphenols	40.000	39.355	1.6	76	0.00
21 I	Naphthalene-d8	20.000	20.000	0.0	73	-0.01
22	Acetophenone	40.000	39.417	1.5	76	0.00
23 S	Nitrobenzene-d5	80.000	84.085	-5.1	79	0.00
24	Nitrobenzene	40.000	38.653	3.4	73	0.00
25	Isophorone	40.000	38.016	5.0	73	0.00
26 C	2-Nitrophenol	40.000	40.290	-0.7	74	0.00
27	2,4-Dimethylphenol	40.000	36.981	7.5	70	0.00
28	bis(2-Chloroethoxy)methane	40.000	38.772	3.1	75	0.00
29 C	2,4-Dichlorophenol	40.000	38.871	2.8	74	0.00
30	1,2,4-Trichlorobenzene	40.000	38.968	2.6	74	0.00
31	Naphthalene	40.000	39.221	1.9	75	0.00
32	Benzoic acid	40.000	32.577	18.6	60	0.00
33	4-Chloroaniline	40.000	38.745	3.1	75	0.00
34 C	Hexachlorobutadiene	40.000	40.255	-0.6	76	-0.01
35	Caprolactam	40.000	38.365	4.1	73	0.00
36 C	4-Chloro-3-methylphenol	40.000	38.469	3.8	74	0.00
37	2-Methylnaphthalene	40.000	38.568	3.6	74	0.00
38	1-Methylnaphthalene	40.000	38.914	2.7	75	-0.01
39 I	Acenaphthene-d10	20.000	20.000	0.0	72	0.00
40	1,2,4,5-Tetrachlorobenzene	40.000	40.279	-0.7	77	0.00
41 P	Hexachlorocyclopentadiene	40.000	31.960	20.1	57	-0.01
42 S	2,4,6-Tribromophenol	80.000	77.722	2.8	72	0.00
43 C	2,4,6-Trichlorophenol	40.000	39.395	1.5	75	0.00
44	2,4,5-Trichlorophenol	40.000	39.952	0.1	75	0.00
45 S	2-Fluorobiphenyl	80.000	85.464	-6.8	82	-0.01
46	1,1'-Biphenyl	40.000	39.652	0.9	75	0.00
47	2-Chloronaphthalene	40.000	39.486	1.3	75	0.00

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF070325\
 Data File : BF142987.D
 Acq On : 03 Jul 2025 09:55
 Operator : RC/JU
 Sample : SSTDCCC040
 Misc :
 ALS Vial : 2 Sample Multiplier: 1

Instrument :
 BNA_F
 LabSampleId :
 SSTDCCC040

Quant Time: Jul 03 11:17:06 2025
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF061925.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Tue Jun 24 05:28:21 2025
 Response via : Initial Calibration

Min. RRF : 0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.50min
 Max. RRF Dev : 25% Max. Rel. Area : 150%

	Compound	Amount	Calc.	%Dev	Area%	Dev(min)
48	2-Nitroaniline	40.000	38.861	2.8	72	0.00
49	Acenaphthylene	40.000	38.927	2.7	74	0.00
50	Dimethylphthalate	40.000	39.472	1.3	75	-0.01
51	2,6-Dinitrotoluene	40.000	39.133	2.2	72	0.00
52 C	Acenaphthene	40.000	39.375	1.6	74	0.00
53	3-Nitroaniline	40.000	38.765	3.1	72	0.00
54 P	2,4-Dinitrophenol	40.000	36.773	8.1	66	0.00
55	Dibenzofuran	40.000	38.246	4.4	72	0.00
56 P	4-Nitrophenol	40.000	42.156	-5.4	78	0.00
57	2,4-Dinitrotoluene	40.000	38.668	3.3	72	0.00
58	Fluorene	40.000	39.535	1.2	75	0.00
59	2,3,4,6-Tetrachlorophenol	40.000	38.026	4.9	72	0.00
60	Diethylphthalate	40.000	39.592	1.0	75	0.00
61	4-Chlorophenyl-phenylether	40.000	39.414	1.5	76	0.00
62	4-Nitroaniline	40.000	37.809	5.5	72	0.00
63	Azobenzene	40.000	37.889	5.3	72	0.00
64 I	Phenanthrene-d10	20.000	20.000	0.0	70	0.00
65	4,6-Dinitro-2-methylphenol	40.000	38.620	3.5	69	0.00
66 c	n-Nitrosodiphenylamine	40.000	40.136	-0.3	73	0.00
67	4-Bromophenyl-phenylether	40.000	40.663	-1.7	75	-0.01
68	Hexachlorobenzene	40.000	39.037	2.4	72	0.00
69	Atrazine	40.000	42.197	-5.5	77	0.00
70 C	Pentachlorophenol	40.000	35.407	11.5	63	0.00
71	Phenanthrene	40.000	39.002	2.5	72	0.00
72	Anthracene	40.000	39.432	1.4	73	0.00
73	Carbazole	40.000	38.315	4.2	72	0.00
74	Di-n-butylphthalate	40.000	41.741	-4.4	78	0.00
75 C	Fluoranthene	40.000	37.478	6.3	71	0.00
76 I	Chrysene-d12	20.000	20.000	0.0	76	0.00
77	Benzydine	40.000	48.497	-21.2	89	0.00
78	Pyrene	40.000	39.708	0.7	81	0.00
79 S	Terphenyl-d14	80.000	76.727	4.1	79	0.00
80	Butylbenzylphthalate	40.000	45.336	-13.3	85	0.00
81	Benzo(a)anthracene	40.000	40.334	-0.8	81	0.00
82	3,3'-Dichlorobenzidine	40.000	42.716	-6.8	82	0.00
83	Chrysene	40.000	38.324	4.2	75	0.00
84	Bis(2-ethylhexyl)phthalate	40.000	47.096	-17.7	87	0.00
85 c	Di-n-octyl phthalate	40.000	46.074	-15.2	88	-0.01
86 I	Perylene-d12	20.000	20.000	0.0	77	0.00
87	Indeno(1,2,3-cd)pyrene	40.000	37.078	7.3	74	0.00
88	Benzo(b)fluoranthene	40.000	40.149	-0.4	84	0.00
89	Benzo(k)fluoranthene	40.000	37.503	6.2	76	0.00
90 C	Benzo(a)pyrene	40.000	39.025	2.4	79	0.00
91	Dibenzo(a,h)anthracene	40.000	36.984	7.5	75	0.00
92	Benzo(g,h,i)perylene	40.000	35.763	10.6	72	0.00

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF070325\
Data File : BF142987.D
Acq On : 03 Jul 2025 09:55
Operator : RC/JU
Sample : SSTDCCC040
Misc :
ALS Vial : 2 Sample Multiplier: 1

Instrument :
BNA_F
LabSampleId :
SSTDCCC040

Quant Time: Jul 03 11:17:06 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF061925.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Tue Jun 24 05:28:21 2025
Response via : Initial Calibration

Min. RRF : 0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.50min
Max. RRF Dev : 25% Max. Rel. Area : 150%

Compound	Amount	Calc.	%Dev	Area%	Dev(min)

(#) = Out of Range SPCC's out = 0 CCC's out = 0



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

7C

SEMIVOLATILE CONTINUING CALIBRATION CHECK

Lab Name:	<u>Alliance</u>	Contract:	<u>CAMP02</u>
Lab Code:	<u>ACE</u>	SDG No.:	<u>Q2484</u>
Instrument ID:	<u>BNA_F</u>	Calibration Date/Time:	<u>07/07/2025 12:12</u>
Lab File ID:	<u>BF143003.D</u>	Init. Calib. Date(s):	<u>06/19/2025 06/19/2025</u>
EPA Sample No.:	<u>SSTDCCC040</u>	Init. Calib. Time(s):	<u>17:07 20:40</u>
GC Column:	<u>DB-UI</u>	ID:	<u>0.18</u> (mm)

COMPOUND	RRF	RRF040	MIN RRF	%D	MAX%D
2-Fluorophenol	1.201	1.159		-3.5	
Benzaldehyde	0.841	0.897		6.7	
Phenol-d6	1.417	1.363		-3.8	
Phenol	1.575	1.512		-4.0	20.0
bis(2-Chloroethyl)ether	1.126	1.086		-3.6	
2-Chlorophenol	1.296	1.244		-4.0	
2-Methylphenol	0.982	0.979		-0.3	
2,2-oxybis(1-Chloropropane)	1.809	1.645		-9.1	
Acetophenone	0.441	0.434		-1.6	
3+4-Methylphenols	1.224	1.224		0.0	
n-Nitroso-di-n-propylamine	0.824	0.811	0.050	-1.6	
Nitrobenzene-d5	0.365	0.385		5.5	
Hexachloroethane	0.511	0.506		-1.0	
Nitrobenzene	0.330	0.319		-3.3	
Isophorone	0.585	0.566		-3.2	
2-Nitrophenol	0.180	0.184		2.2	20.0
2,4-Dimethylphenol	0.311	0.300		-3.5	
bis(2-Chloroethoxy)methane	0.372	0.368		-1.1	
2,4-Dichlorophenol	0.282	0.278		-1.4	20.0
Naphthalene	0.979	0.963		-1.6	
4-Chloroaniline	0.398	0.370		-7.0	
Hexachlorobutadiene	0.190	0.191		0.5	20.0
Caprolactam	0.075	0.072		-4.0	
4-Chloro-3-methylphenol	0.281	0.276		-1.8	20.0
2-Methylnaphthalene	0.607	0.593		-2.3	
Hexachlorocyclopentadiene	0.335	0.343	0.050	2.4	
2,4,6-Trichlorophenol	0.385	0.364		-5.5	20.0
2-Fluorobiphenyl	1.522	1.599		5.1	
2,4,5-Trichlorophenol	0.405	0.378		-6.7	
1,1-Biphenyl	1.580	1.546		-2.2	
2-Chloronaphthalene	1.186	1.160		-2.2	
2-Nitroaniline	0.332	0.322		-3.0	
Dimethylphthalate	1.295	1.251		-3.4	
Acenaphthylene	1.952	1.905		-2.4	
2,6-Dinitrotoluene	0.284	0.276		-2.8	
3-Nitroaniline	0.313	0.297		-5.1	
Acenaphthene	1.191	1.193		0.2	20.0
2,4-Dinitrophenol	0.142	0.169	0.050	19.0	
4-Nitrophenol	0.214	0.207	0.050	-3.3	



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Fax : 908 789 8922

7C

SEMIVOLATILE CONTINUING CALIBRATION CHECK

Lab Name: Alliance Contract: CAMP02
 Lab Code: ACE SDG No.: Q2484
 Instrument ID: BNA_F Calibration Date/Time: 07/07/2025 12:12
 Lab File ID: BF143003.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	1.645		-3.7	
2,4-Dinitrotoluene	0.378	0.360		-4.8	
Diethylphthalate	1.269	1.220		-3.9	
4-Chlorophenyl-phenylether	0.636	0.616		-3.1	
Fluorene	1.334	1.274		-4.5	
4-Nitroaniline	0.286	0.265		-7.3	
4,6-Dinitro-2-methylphenol	0.121	0.121		0.0	
n-Nitrosodiphenylamine	0.693	0.704		1.6	20.0
2,4,6-Tribromophenol	0.206	0.187		-9.2	
4-Bromophenyl-phenylether	0.228	0.232		1.8	
Hexachlorobenzene	0.253	0.255		0.8	
Atrazine	0.179	0.184		2.8	
Pentachlorophenol	0.126	0.143		13.5	20.0
Phenanthrene	1.083	1.050		-3.0	
Anthracene	1.111	1.081		-2.7	
Carbazole	0.959	0.888		-7.4	
Di-n-butylphthalate	0.999	1.010		1.1	
Fluoranthene	1.028	0.933		-9.2	20.0
Pyrene	1.875	1.782		-5.0	
Terphenyl-d14	1.447	1.318		-8.9	
Butylbenzylphthalate	0.544	0.602		10.7	
3,3-Dichlorobenzidine	0.438	0.480		9.6	
Benzo (a) anthracene	1.349	1.319		-2.2	
Chrysene	1.204	1.216		1.0	
Bis(2-ethylhexyl)phthalate	0.782	0.919		17.5	
Di-n-octyl phthalate	1.475	1.705		15.6	20.0
Benzo (b) fluoranthene	1.157	1.189		2.8	
Benzo (k) fluoranthene	1.083	1.000		-7.7	
Benzo (a) pyrene	1.118	1.099		-1.7	20.0
Indeno (1,2,3-cd) pyrene	1.523	1.334		-12.4	
Dibenzo (a,h) anthracene	1.238	1.100		-11.1	
Benzo (g,h,i) perylene	1.234	1.044		-15.4	
1,2,4,5-Tetrachlorobenzene	0.590	0.592		0.3	
1,4-Dioxane	0.480	0.430		-10.4	20.0
2,3,4,6-Tetrachlorophenol	0.326	0.293		-10.1	

All other compounds must meet a minimum RRF of 0.010.

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF070725\
 Data File : BF143003.D
 Acq On : 07 Jul 2025 12:12
 Operator : RC/JU
 Sample : SSTDCCC040
 Misc :
 ALS Vial : 2 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 SSTDCCC040

Quant Time: Jul 07 13:00:45 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	66299	20.000	ng	0.00
21) Naphthalene-d8	8.163	136	250576	20.000	ng	0.00
39) Acenaphthene-d10	9.922	164	128386	20.000	ng	0.00
64) Phenanthrene-d10	11.410	188	196682	20.000	ng	0.00
76) Chrysene-d12	14.057	240	115356	20.000	ng	0.00
86) Perylene-d12	15.551	264	146144	20.000	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.492	112	307448	77.207	ng	0.00
7) Phenol-d6	6.510	99	361466	76.939	ng	0.00
23) Nitrobenzene-d5	7.445	82	385910	84.475	ng	0.00
42) 2,4,6-Tribromophenol	10.710	330	95878	72.570	ng	0.00
45) 2-Fluorobiphenyl	9.239	172	821191	84.026	ng	0.00
79) Terphenyl-d14	12.992	244	608057	72.831	ng	0.00
Target Compounds						
						Qvalue
2) 1,4-Dioxane	2.616	88	56991	35.782	ng	98
3) Pyridine	3.393	79	146566	36.706	ng	98
4) n-Nitrosodimethylamine	3.346	42	74697	36.176	ng	99
6) Aniline	6.539	93	237976	38.069	ng	# 91
8) 2-Chlorophenol	6.663	128	164969	38.405	ng	98
9) Benzaldehyde	6.428	77	118926	42.667	ng	99
10) Phenol	6.528	94	200512	38.395	ng	79
11) bis(2-Chloroethyl)ether	6.610	93	143962	38.570	ng	99
12) 1,3-Dichlorobenzene	6.816	146	186294	38.778	ng	99
13) 1,4-Dichlorobenzene	6.892	146	190051	39.211	ng	99
14) 1,2-Dichlorobenzene	7.045	146	178538	38.836	ng	99
15) Benzyl Alcohol	7.022	79	133701	39.365	ng	97
16) 2,2'-oxybis(1-Chloropr...	7.151	45	218081	36.367	ng	90
17) 2-Methylphenol	7.134	107	129791	39.871	ng	97
18) Hexachloroethane	7.386	117	67136	39.601	ng	98
19) n-Nitroso-di-n-propyla...	7.292	70	107572	39.369	ng	96
20) 3+4-Methylphenols	7.286	107	162236	39.972	ng	95
22) Acetophenone	7.286	105	217414	39.346	ng	100
24) Nitrobenzene	7.463	77	159724	38.630	ng	98
25) Isophorone	7.698	82	283403	38.672	ng	99
26) 2-Nitrophenol	7.781	139	92413	41.029	ng	97
27) 2,4-Dimethylphenol	7.816	122	150356m	38.538	ng	
28) bis(2-Chloroethoxy)met...	7.904	93	184372	39.573	ng	99
29) 2,4-Dichlorophenol	8.022	162	139097	39.320	ng	99
30) 1,2,4-Trichlorobenzene	8.104	180	153647	39.498	ng	99
31) Naphthalene	8.186	128	482441	39.334	ng	100
32) Benzoic acid	7.933	122	68529	34.462	ng	96
33) 4-Chloroaniline	8.233	127	185501	37.195	ng	99
34) Hexachlorobutadiene	8.298	225	95769	40.249	ng	100
35) Caprolactam	8.604	113	35981	38.545	ng	94
36) 4-Chloro-3-methylphenol	8.716	107	138376	39.359	ng	99
37) 2-Methylnaphthalene	8.875	142	297088	39.070	ng	99
38) 1-Methylnaphthalene	8.975	142	306180	38.897	ng	99
40) 1,2,4,5-Tetrachloroben...	9.039	216	151986	40.120	ng	99
41) Hexachlorocyclopentadiene	9.028	237	88069	40.967	ng	100
43) 2,4,6-Trichlorophenol	9.157	196	93588	37.913	ng	99

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF070725\
 Data File : BF143003.D
 Acq On : 07 Jul 2025 12:12
 Operator : RC/JU
 Sample : SSTDCCC040
 Misc :
 ALS Vial : 2 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 SSTDCCC040

Quant Time: Jul 07 13:00:45 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

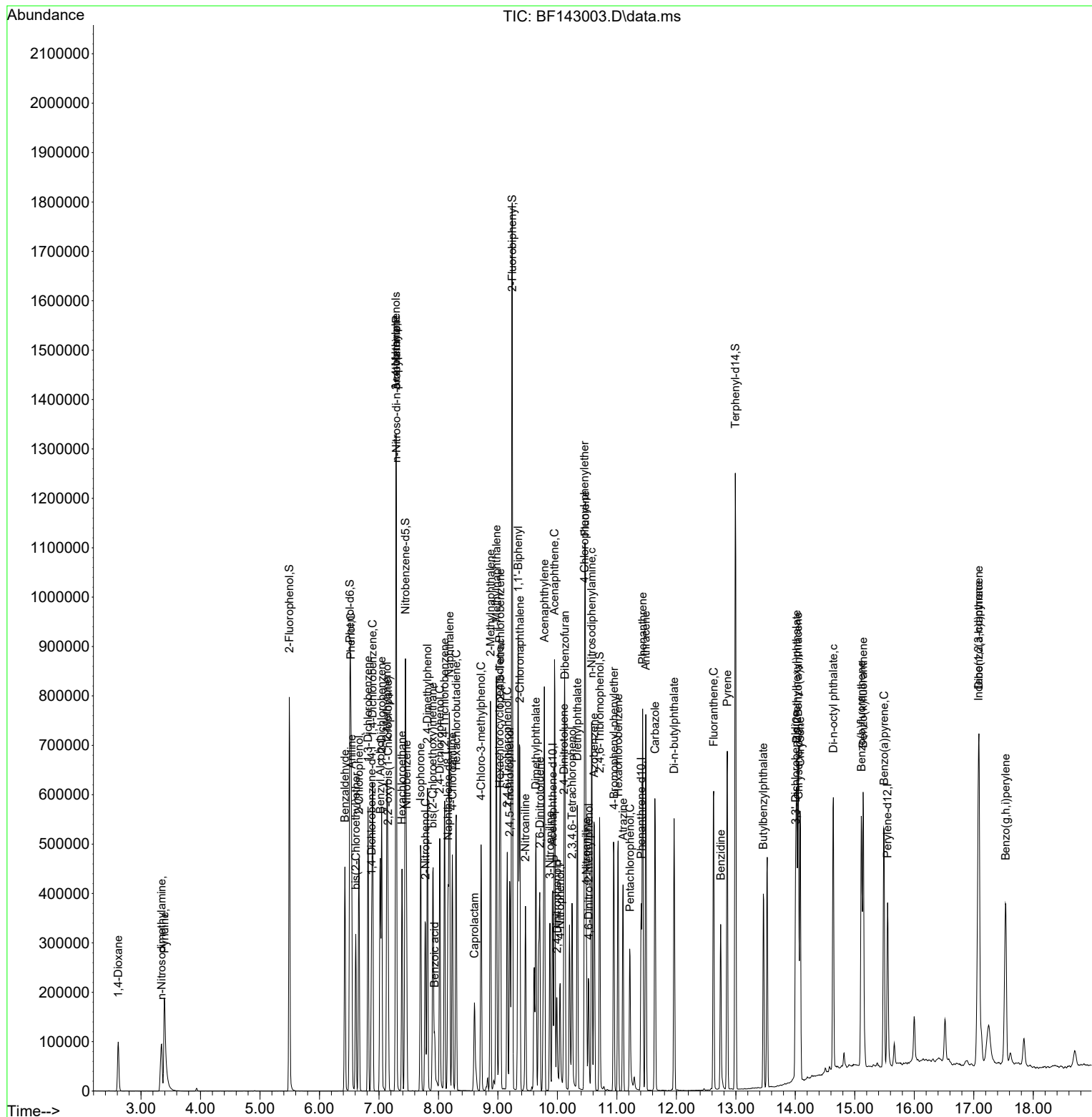
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
44) 2,4,5-Trichlorophenol	9.198	196	97051	37.348	ng	99
46) 1,1'-Biphenyl	9.339	154	397007	39.146	ng	99
47) 2-Chloronaphthalene	9.369	162	297910	39.144	ng	99
48) 2-Nitroaniline	9.463	65	82602	38.713	ng	97
49) Acenaphthylene	9.780	152	489067	39.035	ng	99
50) Dimethylphthalate	9.639	163	321177	38.647	ng	99
51) 2,6-Dinitrotoluene	9.704	165	70859	38.826	ng	99
52) Acenaphthene	9.951	154	306426m	40.086	ng	
53) 3-Nitroaniline	9.875	138	76148	37.896	ng	98
54) 2,4-Dinitrophenol	9.992	184	43433	47.528	ng	97
55) Dibenzofuran	10.127	168	422464	38.541	ng	99
56) 4-Nitrophenol	10.045	139	53076	38.583	ng	99
57) 2,4-Dinitrotoluene	10.110	165	92551	38.178	ng	95
58) Fluorene	10.469	166	327065	38.205	ng	99
59) 2,3,4,6-Tetrachlorophenol	10.245	232	75288	35.944	ng	94
60) Diethylphthalate	10.333	149	313222	38.440	ng	99
61) 4-Chlorophenyl-phenyle...	10.457	204	158156	38.716	ng	99
62) 4-Nitroaniline	10.486	138	68055	37.032	ng	97
63) Azobenzene	10.616	77	275193	37.788	ng	99
65) 4,6-Dinitro-2-methylph...	10.527	198	47520	39.944	ng	99
66) n-Nitrosodiphenylamine	10.574	169	276920	40.625	ng	99
67) 4-Bromophenyl-phenylether	10.951	248	91397	40.831	ng	99
68) Hexachlorobenzene	11.022	284	100307	40.328	ng	97
69) Atrazine	11.104	200	72466	41.168	ng	99
70) Pentachlorophenol	11.222	266	56387	45.495	ng	98
71) Phenanthrene	11.433	178	413131	38.776	ng	99
72) Anthracene	11.486	178	425385	38.930	ng	99
73) Carbazole	11.639	167	349364	37.050	ng	100
74) Di-n-butylphthalate	11.963	149	397485	40.464	ng	99
75) Fluoranthene	12.627	202	367194	36.315	ng	99
77) Benzidine	12.745	184	196199	45.269	ng	100
78) Pyrene	12.857	202	411055	38.016	ng	99
80) Butylbenzylphthalate	13.463	149	138872	44.276	ng	99
81) Benzo(a)anthracene	14.045	228	304337	39.108	ng	100
82) 3,3'-Dichlorobenzidine	14.004	252	110843	43.913	ng	99
83) Chrysene	14.080	228	280610	40.410	ng	99
84) Bis(2-ethylhexyl)phtha...	14.021	149	212032	46.985	ng	99
85) Di-n-octyl phthalate	14.639	149	393425	46.235	ng	98
87) Indeno(1,2,3-cd)pyrene	17.080	276	390002	35.035	ng	98
88) Benzo(b)fluoranthene	15.109	252	347540	41.097	ng	100
89) Benzo(k)fluoranthene	15.139	252	292264	36.941	ng	99
90) Benzo(a)pyrene	15.492	252	321220	39.319	ng	98
91) Dibenzo(a,h)anthracene	17.086	278	321404	35.535	ng	98
92) Benzo(g,h,i)perylene	17.539	276	305022	33.820	ng	98

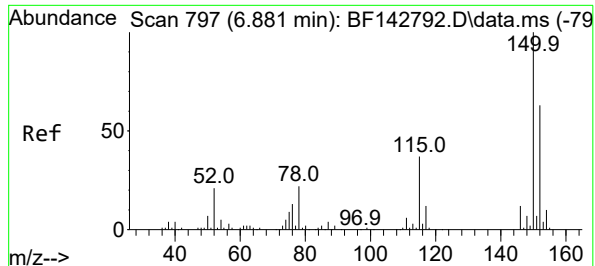
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF070725\
Data File : BF143003.D
Acq On : 07 Jul 2025 12:12
Operator : RC/JU
Sample : SSTDCCC040
Misc :
ALS Vial : 2 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
SSTDCCC040

Quant Time: Jul 07 13:00:45 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

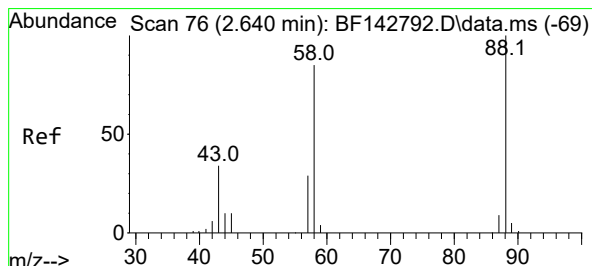
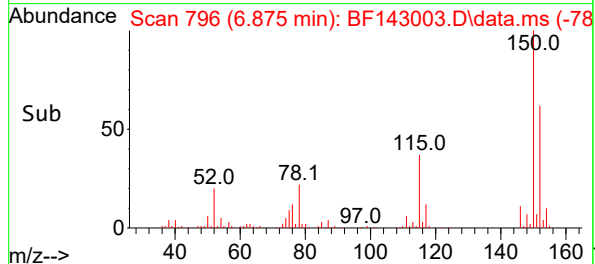
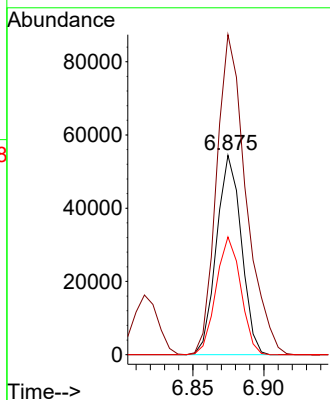
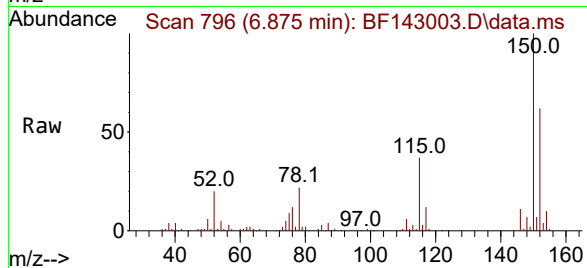




#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.875 min Scan# 79
Delta R.T. -0.006 min
Lab File: BF143003.D
Acq: 07 Jul 2025 12:12

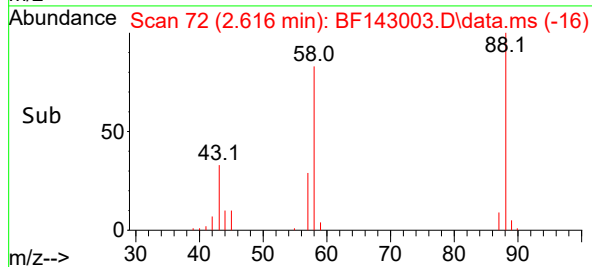
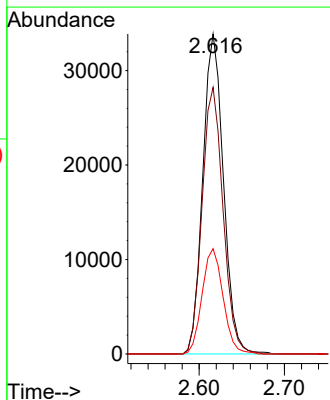
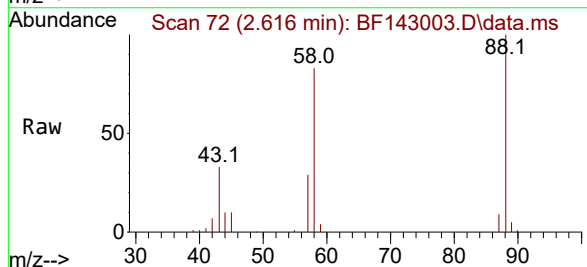
Instrument :
BNA_F
ClientSampleId :
SSTDCCC040

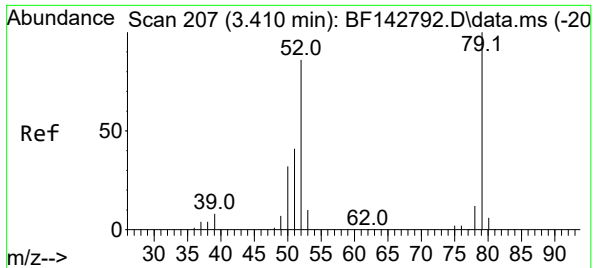
Tgt Ion:152 Resp: 66299
Ion Ratio Lower Upper
152 100
150 160.5 127.2 190.8
115 59.0 46.6 69.8



#2
1,4-Dioxane
Concen: 35.782 ng
RT: 2.616 min Scan# 72
Delta R.T. -0.024 min
Lab File: BF143003.D
Acq: 07 Jul 2025 12:12

Tgt Ion: 88 Resp: 56991
Ion Ratio Lower Upper
88 100
58 84.7 69.1 103.7
43 33.4 27.4 41.2

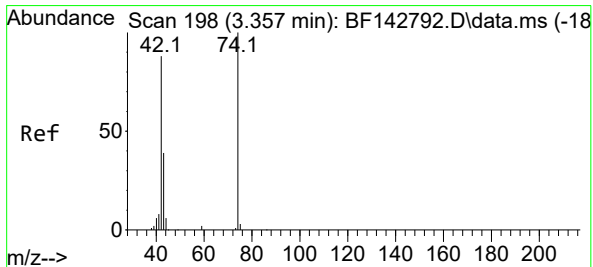
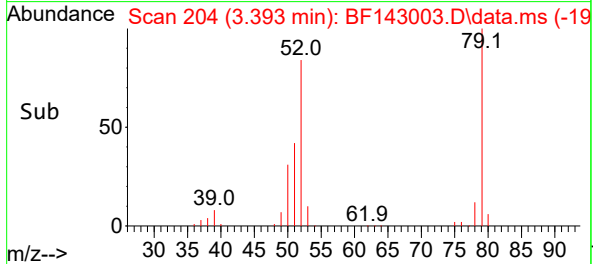
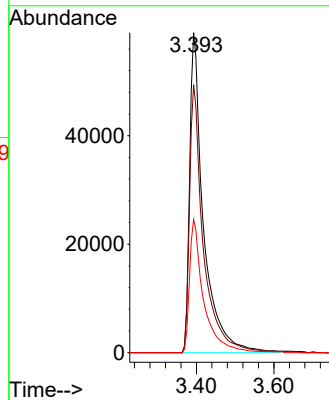
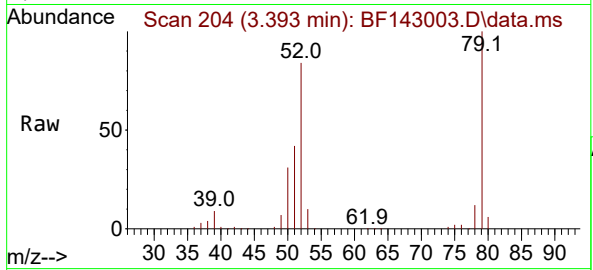




#3
Pyridine
Concen: 36.706 ng
RT: 3.393 min Scan# 207
Delta R.T. -0.018 min
Lab File: BF143003.D
Acq: 07 Jul 2025 12:12

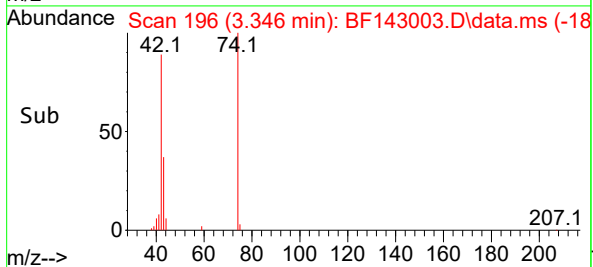
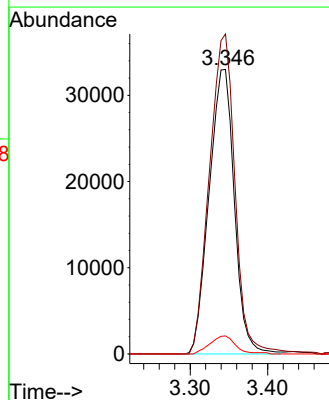
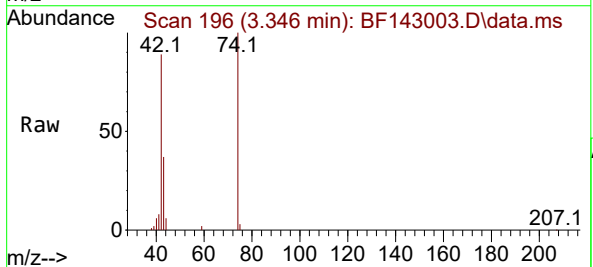
Instrument :
BNA_F
ClientSampleId :
SSTDCCC040

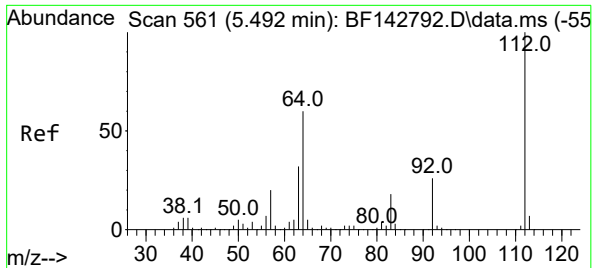
Tgt Ion: 79 Resp: 146566
Ion Ratio Lower Upper
79 100
52 83.7 69.2 103.8
51 41.6 33.2 49.8



#4
n-Nitrosodimethylamine
Concen: 36.176 ng
RT: 3.346 min Scan# 196
Delta R.T. -0.012 min
Lab File: BF143003.D
Acq: 07 Jul 2025 12:12

Tgt Ion: 42 Resp: 74697
Ion Ratio Lower Upper
42 100
74 112.5 90.9 136.3
44 6.4 5.8 8.6

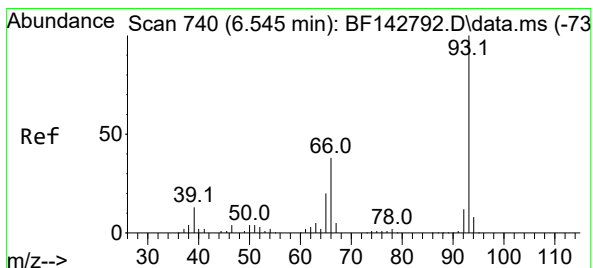
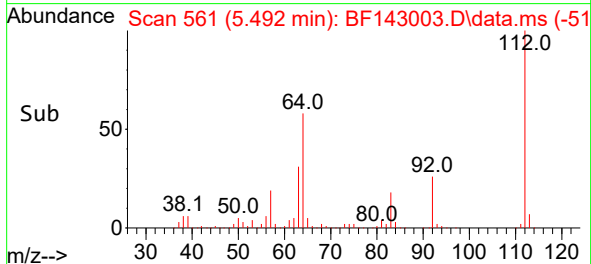
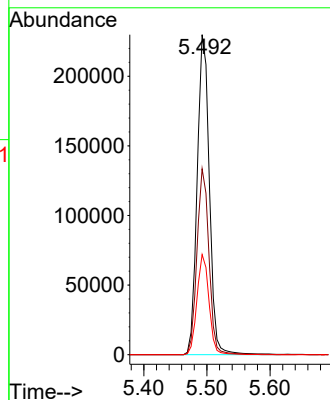
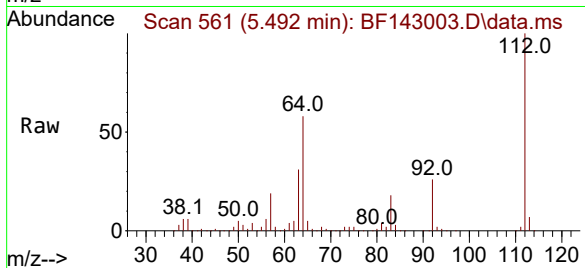




#5
2-Fluorophenol
Concen: 77.207 ng
RT: 5.492 min Scan# 501
Delta R.T. 0.000 min
Lab File: BF143003.D
Acq: 07 Jul 2025 12:12

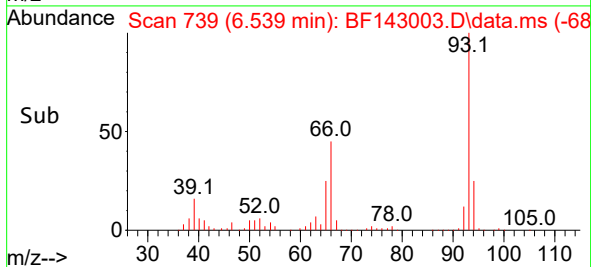
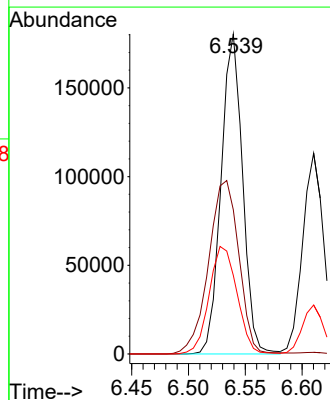
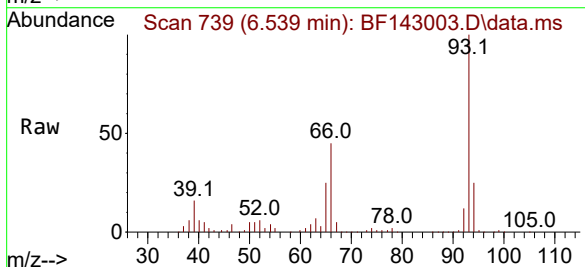
Instrument :
BNA_F
ClientSampleId :
SSTDCCC040

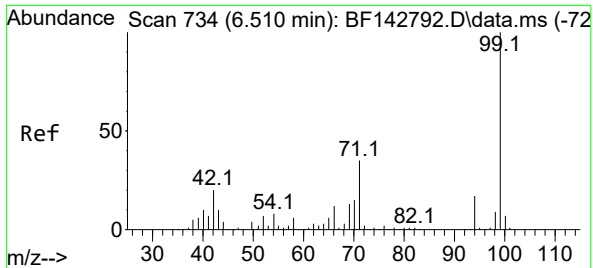
Tgt Ion:112 Resp: 307448
Ion Ratio Lower Upper
112 100
64 58.1 48.2 72.2
63 31.3 25.7 38.5



#6
Aniline
Concen: 38.069 ng
RT: 6.539 min Scan# 739
Delta R.T. -0.006 min
Lab File: BF143003.D
Acq: 07 Jul 2025 12:12

Tgt Ion: 93 Resp: 237976
Ion Ratio Lower Upper
93 100
66 45.0 31.8 47.6
65 24.6 16.2 24.2#

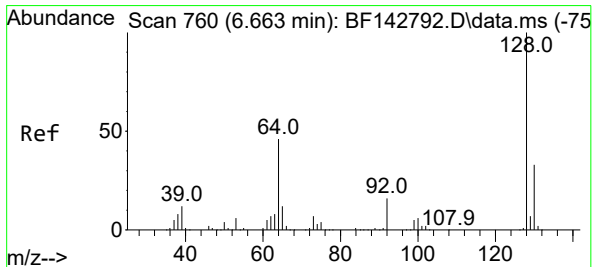
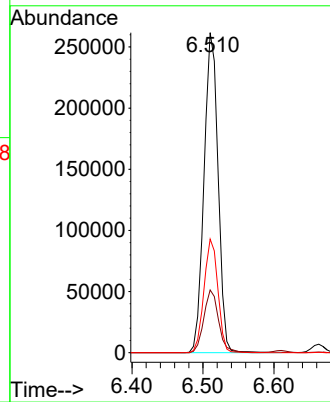
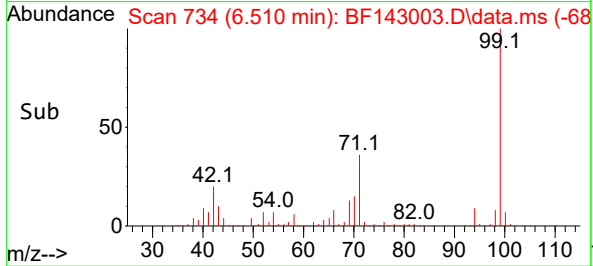
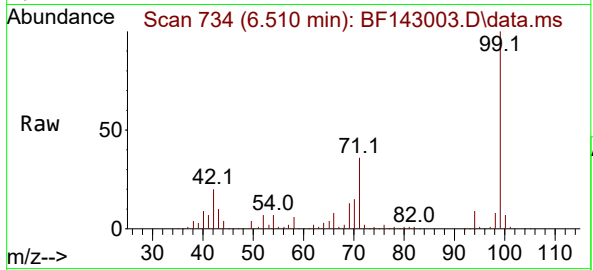




#7
Phenol-d6
Concen: 76.939 ng
RT: 6.510 min Scan# 71
Delta R.T. 0.000 min
Lab File: BF143003.D
Acq: 07 Jul 2025 12:12

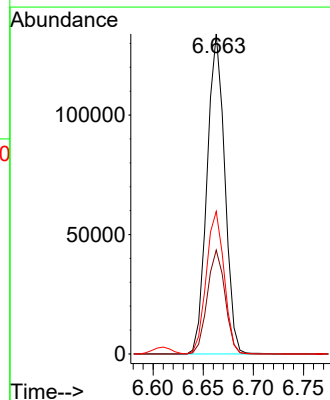
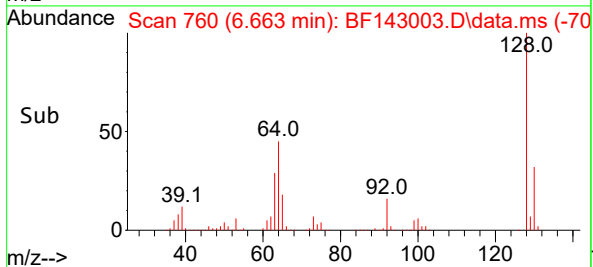
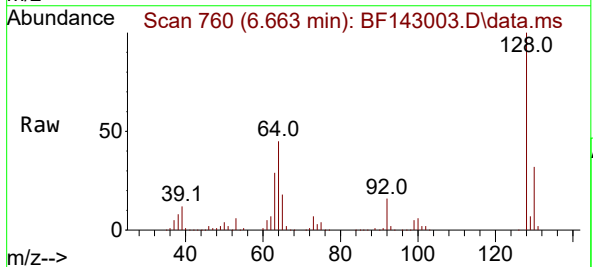
Instrument :
BNA_F
ClientSampleId :
SSTDCCC040

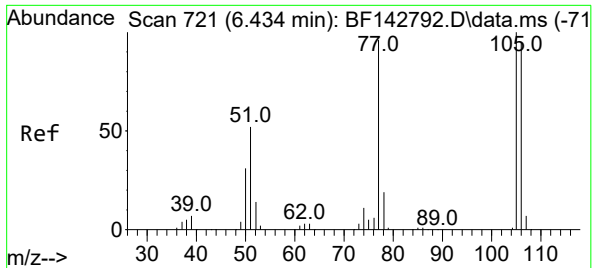
Tgt Ion: 99 Resp: 361466
Ion Ratio Lower Upper
99 100
42 19.6 15.9 23.9
71 35.5 27.8 41.8



#8
2-Chlorophenol
Concen: 38.405 ng
RT: 6.663 min Scan# 760
Delta R.T. -0.000 min
Lab File: BF143003.D
Acq: 07 Jul 2025 12:12

Tgt Ion: 128 Resp: 164969
Ion Ratio Lower Upper
128 100
130 32.5 12.7 52.7
64 44.6 26.5 66.5

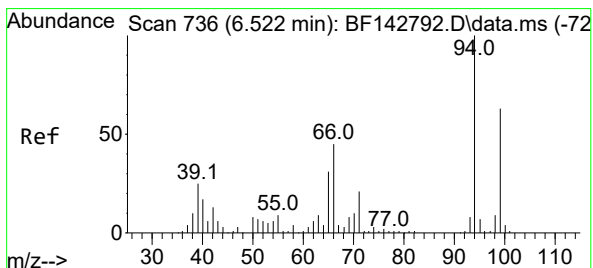
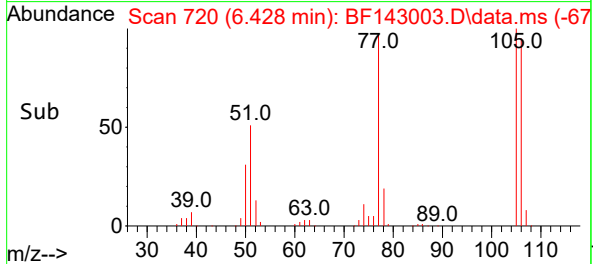
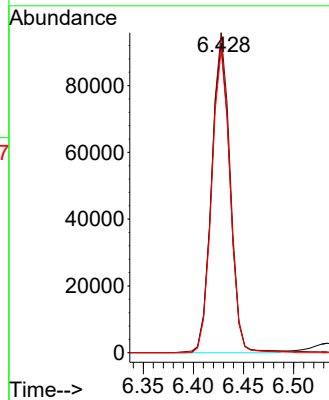
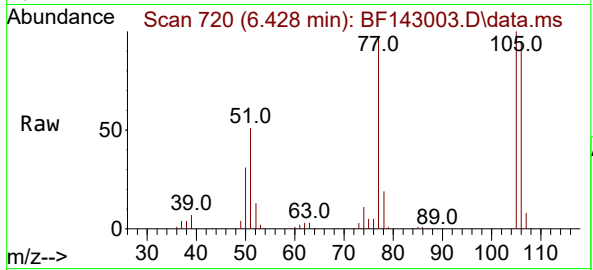




#9
Benzaldehyde
Concen: 42.667 ng
RT: 6.428 min Scan# 71
Delta R.T. -0.006 min
Lab File: BF143003.D
Acq: 07 Jul 2025 12:12

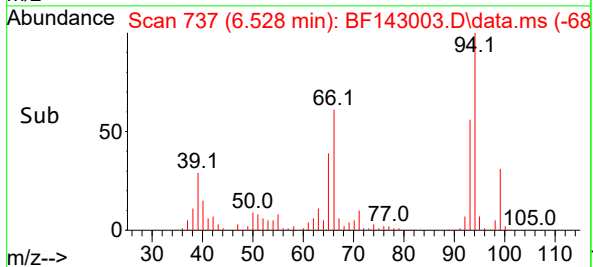
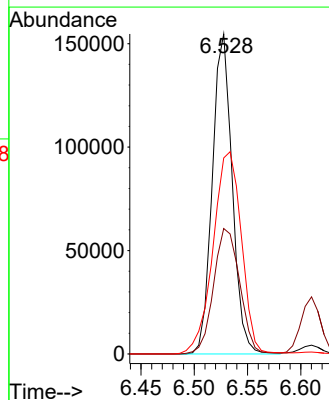
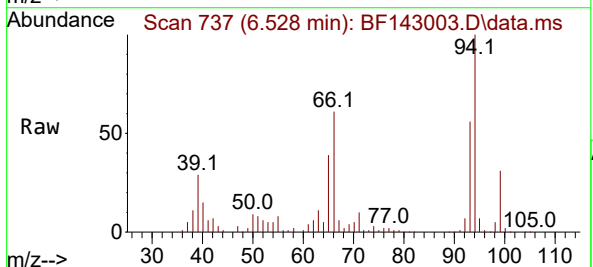
Instrument :
BNA_F
ClientSampleId :
SSTDCCC040

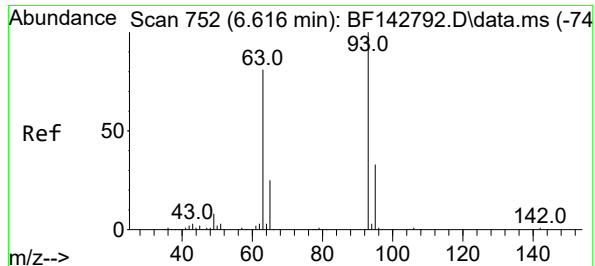
Tgt Ion: 77 Resp: 118926
Ion Ratio Lower Upper
77 100
105 103.4 83.8 123.8
106 98.0 78.7 118.7



#10
Phenol
Concen: 38.395 ng
RT: 6.528 min Scan# 737
Delta R.T. 0.006 min
Lab File: BF143003.D
Acq: 07 Jul 2025 12:12

Tgt Ion: 94 Resp: 200512
Ion Ratio Lower Upper
94 100
65 39.2 11.3 51.3
66 61.3 24.9 64.9

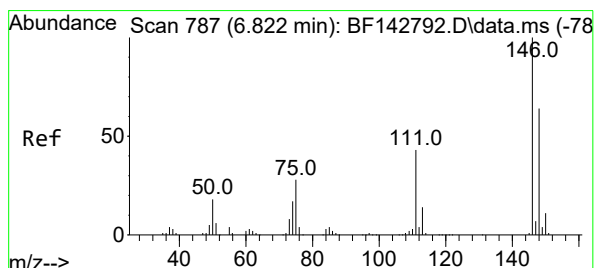
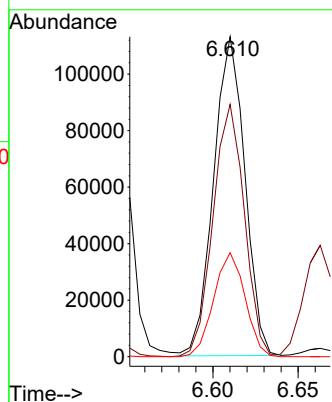
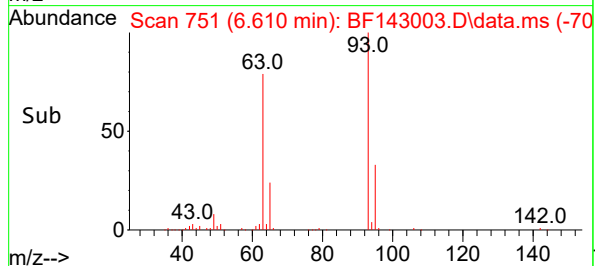
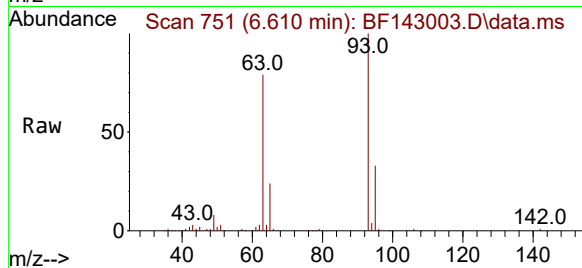




#11
bis(2-Chloroethyl)ether
Concen: 38.570 ng
RT: 6.610 min Scan# 751
Delta R.T. -0.006 min
Lab File: BF143003.D
Acq: 07 Jul 2025 12:12

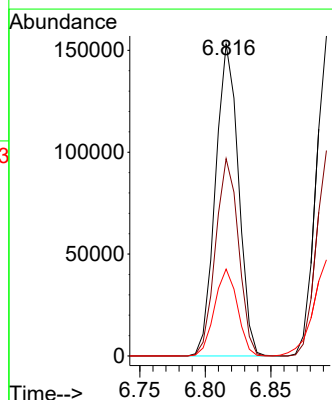
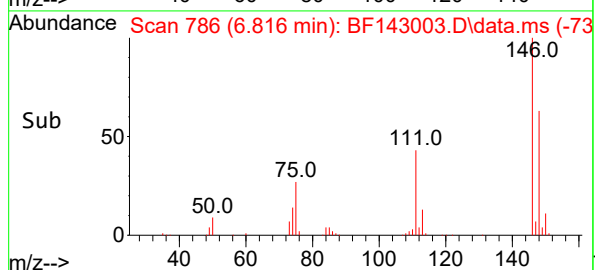
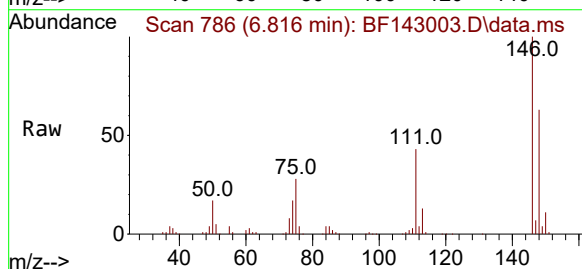
Instrument :
BNA_F
ClientSampleId :
SSTDCCC040

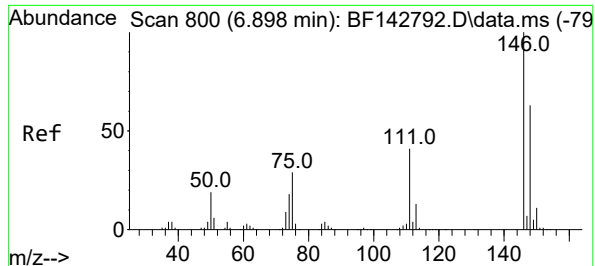
Tgt Ion: 93 Resp: 143962
Ion Ratio Lower Upper
93 100
63 78.9 60.3 100.3
95 32.5 12.5 52.5



#12
1,3-Dichlorobenzene
Concen: 38.778 ng
RT: 6.816 min Scan# 786
Delta R.T. -0.006 min
Lab File: BF143003.D
Acq: 07 Jul 2025 12:12

Tgt Ion:146 Resp: 186294
Ion Ratio Lower Upper
146 100
148 63.2 51.1 76.7
75 27.8 22.7 34.1





#13

1,4-Dichlorobenzene

Concen: 39.211 ng

RT: 6.892 min Scan# 79

Delta R.T. -0.006 min

Lab File: BF143003.D

Acq: 07 Jul 2025 12:12

Instrument :

BNA_F

ClientSampleId :

SSTDCCC040

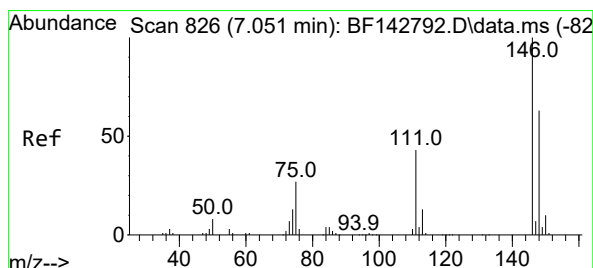
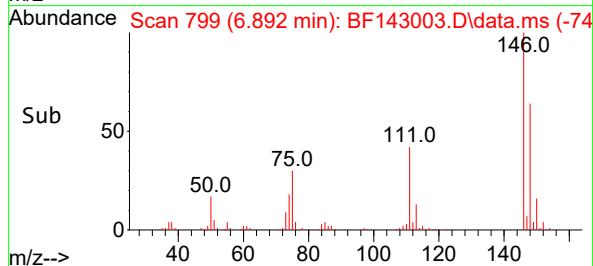
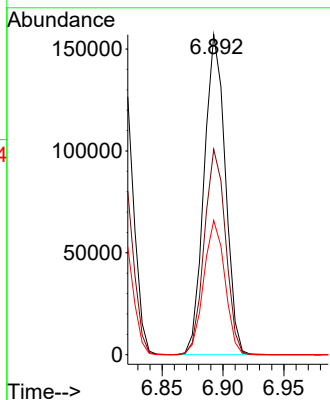
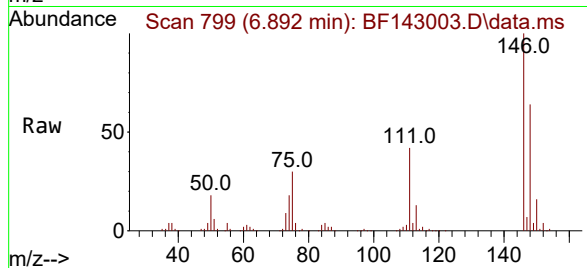
Tgt Ion:146 Resp: 190051

Ion Ratio Lower Upper

146 100

148 64.2 50.2 75.2

111 41.9 33.2 49.8



#14

1,2-Dichlorobenzene

Concen: 38.836 ng

RT: 7.045 min Scan# 825

Delta R.T. -0.006 min

Lab File: BF143003.D

Acq: 07 Jul 2025 12:12

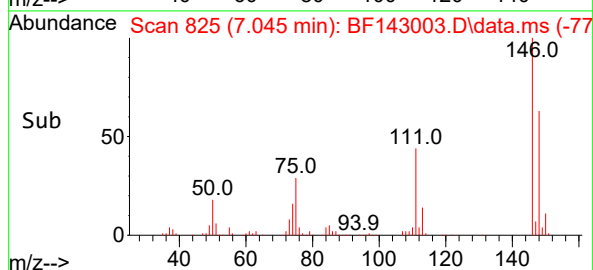
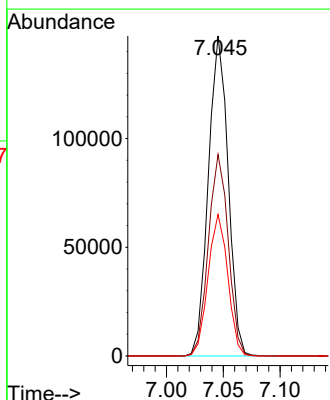
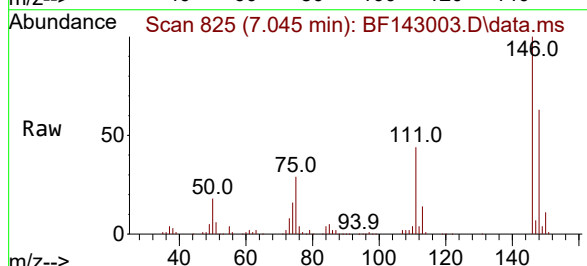
Tgt Ion:146 Resp: 178538

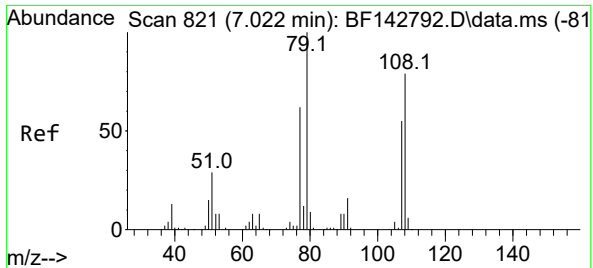
Ion Ratio Lower Upper

146 100

148 62.9 50.4 75.6

111 44.2 34.1 51.1





#15

Benzyl Alcohol

Concen: 39.365 ng

RT: 7.022 min Scan# 81

Delta R.T. -0.000 min

Lab File: BF143003.D

Acq: 07 Jul 2025 12:12

Instrument :

BNA_F

ClientSampleId :

SSTDCCC040

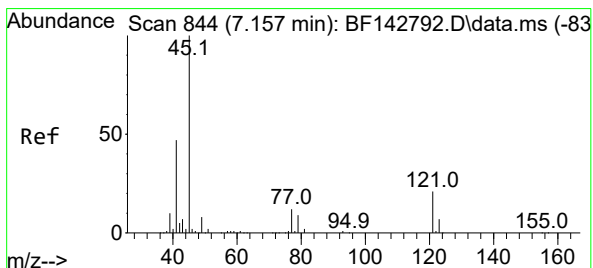
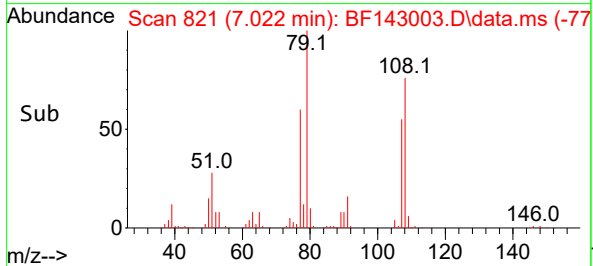
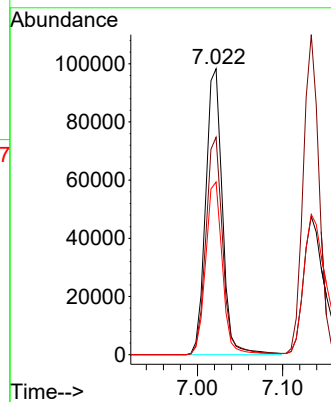
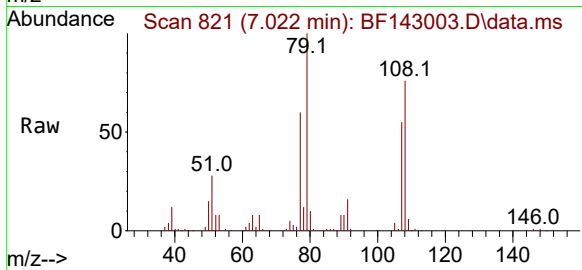
Tgt Ion: 79 Resp: 133701

Ion Ratio Lower Upper

79 100

108 76.1 63.4 95.0

77 60.4 49.5 74.3



#16

2,2'-oxybis(1-Chloropropane)

Concen: 36.367 ng

RT: 7.151 min Scan# 843

Delta R.T. -0.006 min

Lab File: BF143003.D

Acq: 07 Jul 2025 12:12

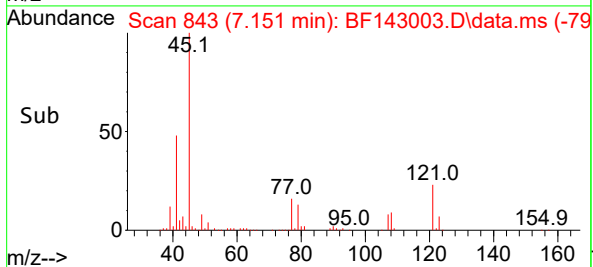
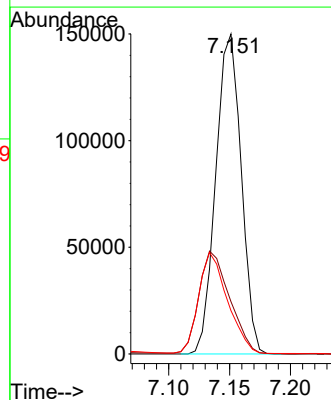
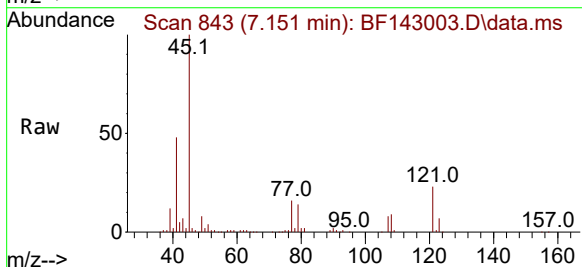
Tgt Ion: 45 Resp: 218081

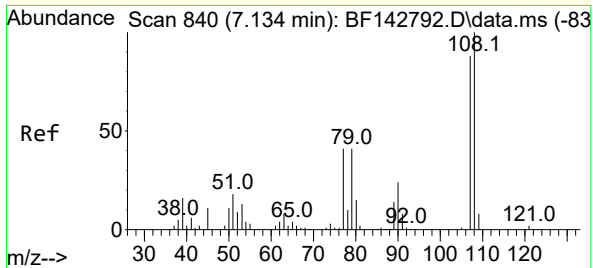
Ion Ratio Lower Upper

45 100

77 16.4 0.0 32.8

79 13.6 0.0 29.8

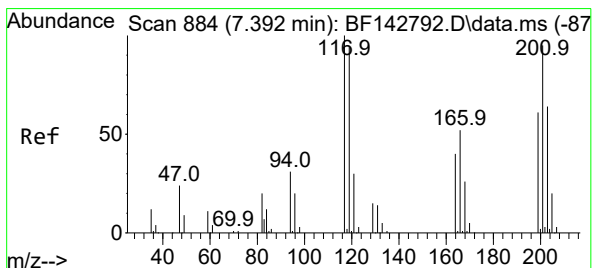
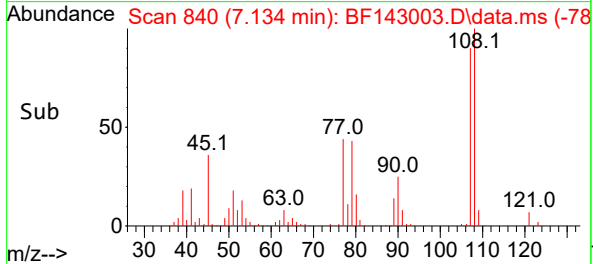
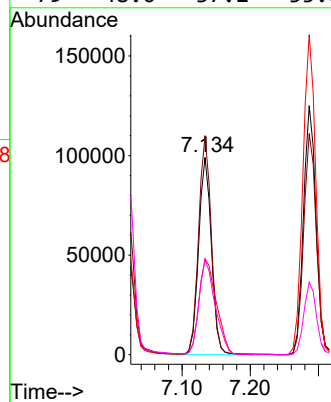
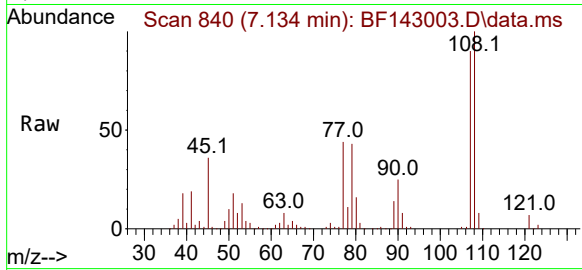




#17
2-Methylphenol
Concen: 39.871 ng
RT: 7.134 min Scan# 840
Delta R.T. 0.000 min
Lab File: BF143003.D
Acq: 07 Jul 2025 12:12

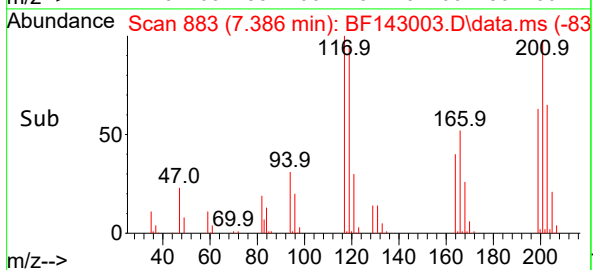
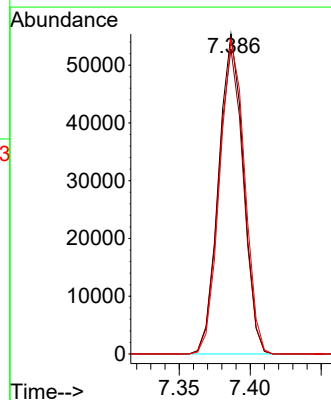
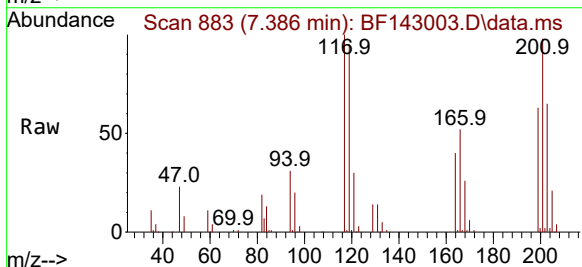
Instrument :
BNA_F
ClientSampleId :
SSTDCCC040

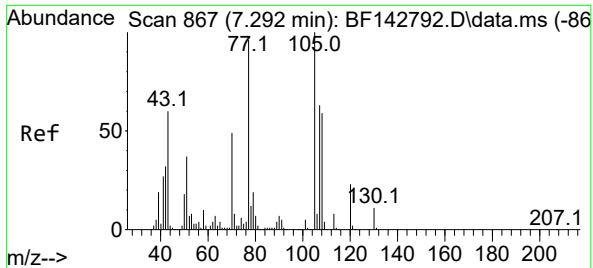
Tgt Ion:107 Resp: 129791
Ion Ratio Lower Upper
107 100
108 111.0 90.9 136.3
77 48.7 37.3 55.9
79 48.0 37.2 55.8



#18
Hexachloroethane
Concen: 39.601 ng
RT: 7.386 min Scan# 883
Delta R.T. -0.006 min
Lab File: BF143003.D
Acq: 07 Jul 2025 12:12

Tgt Ion:117 Resp: 67136
Ion Ratio Lower Upper
117 100
119 95.3 75.4 113.0
201 98.3 75.9 113.9





#19

n-Nitroso-di-n-propylamine

Concen: 39.369 ng

RT: 7.292 min Scan# 8

Delta R.T. -0.000 min

Lab File: BF143003.D

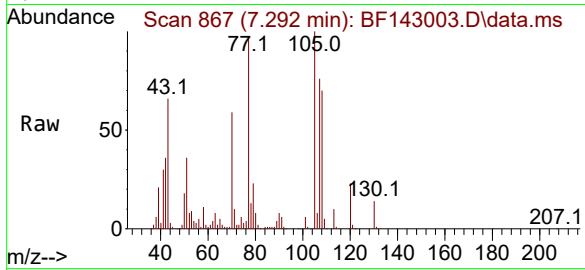
Acq: 07 Jul 2025 12:12

Instrument :

BNA_F

ClientSampleId :

SSTDCCC040



Tgt Ion: 70 Resp: 107572

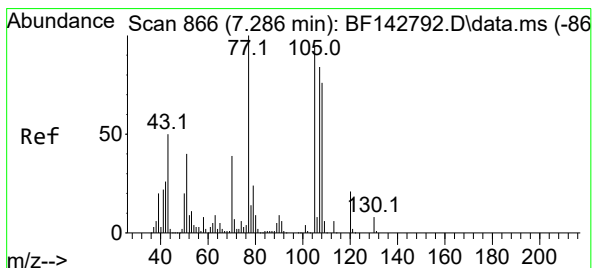
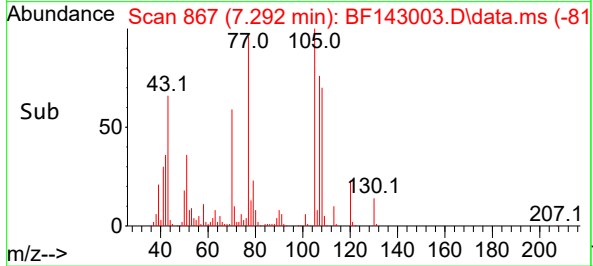
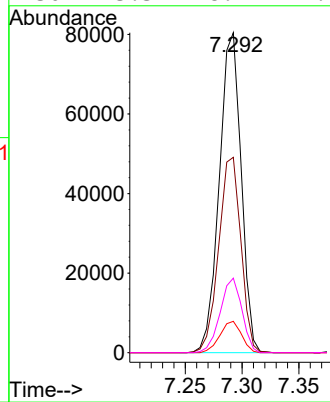
Ion Ratio Lower Upper

70 100

42 61.0 52.1 78.1

101 9.8 8.2 12.2

130 23.3 18.2 27.2



#20

3+4-Methylphenols

Concen: 39.972 ng

RT: 7.286 min Scan# 866

Delta R.T. -0.000 min

Lab File: BF143003.D

Acq: 07 Jul 2025 12:12

Tgt Ion: 107 Resp: 162236

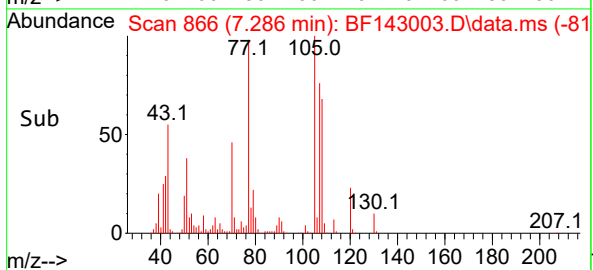
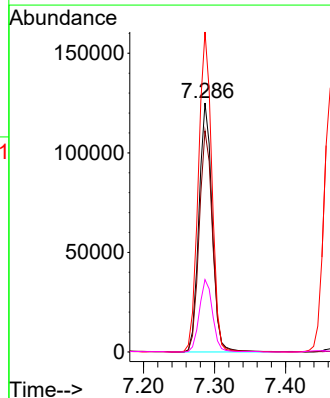
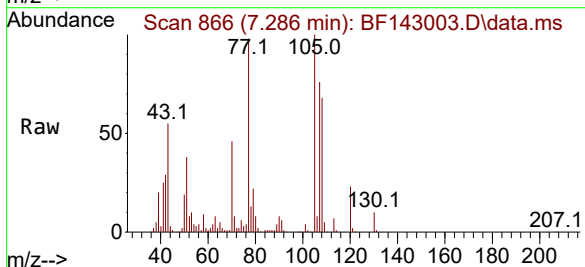
Ion Ratio Lower Upper

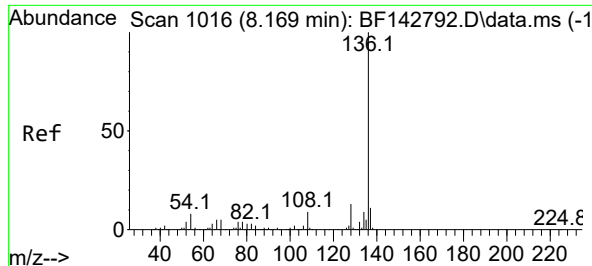
107 100

108 88.8 70.0 110.0

77 128.5 98.5 138.5

79 29.0 8.8 48.8





#21

Naphthalene-d8

Concen: 20.000 ng

RT: 8.163 min Scan# 1

Delta R.T. -0.006 min

Lab File: BF143003.D

Acq: 07 Jul 2025 12:12

Instrument :

BNA_F

ClientSampleId :

SSTDCCC040

Tgt Ion:136 Resp: 250576

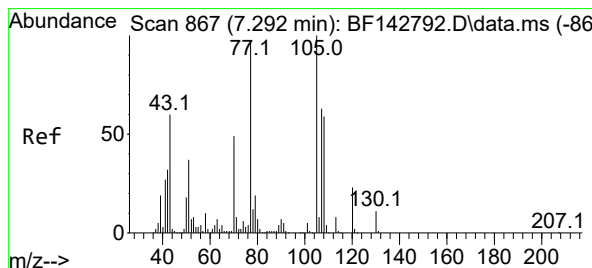
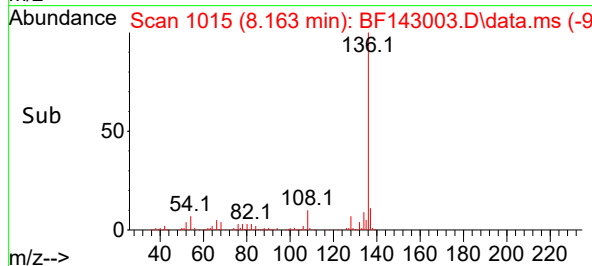
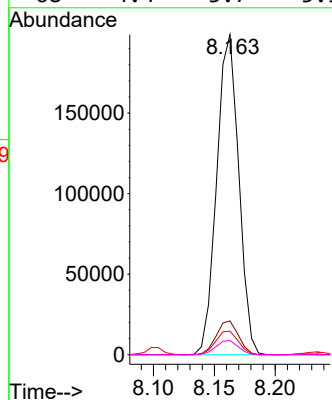
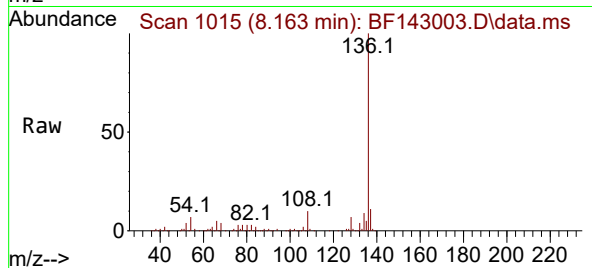
Ion Ratio Lower Upper

136 100

137 10.5 8.4 12.6

54 7.4 6.3 9.5

68 4.4 3.7 5.5



#22

Acetophenone

Concen: 39.346 ng

RT: 7.286 min Scan# 866

Delta R.T. -0.006 min

Lab File: BF143003.D

Acq: 07 Jul 2025 12:12

Tgt Ion:105 Resp: 217414

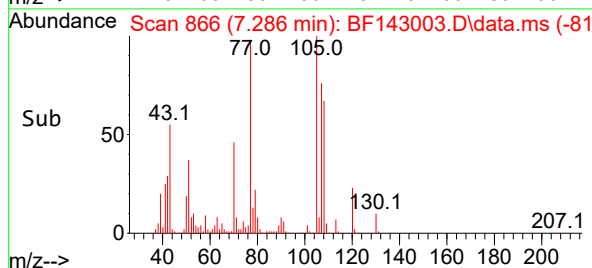
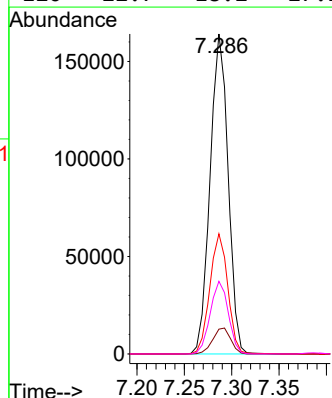
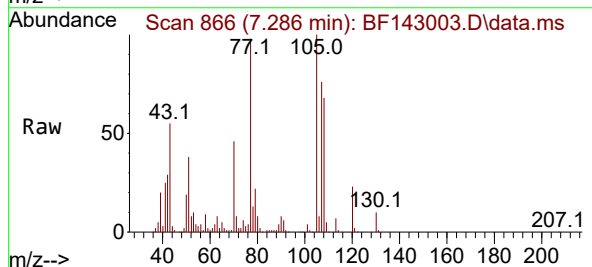
Ion Ratio Lower Upper

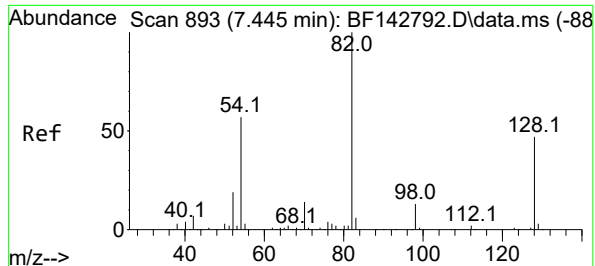
105 100

71 7.8 6.5 9.7

51 37.5 29.8 44.8

120 22.7 18.2 27.2





#23

Nitrobenzene-d5

Concen: 84.475 ng

RT: 7.445 min Scan# 893

Delta R.T. 0.000 min

Lab File: BF143003.D

Acq: 07 Jul 2025 12:12

Instrument :

BNA_F

ClientSampleId :

SSTDCCC040

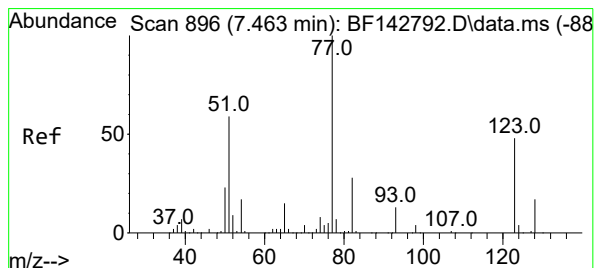
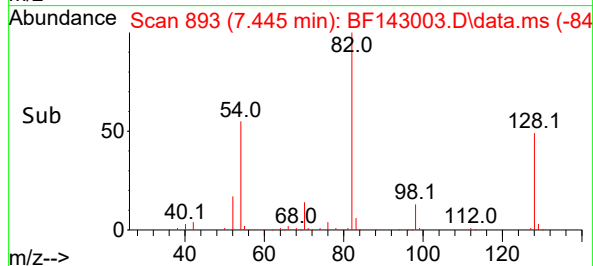
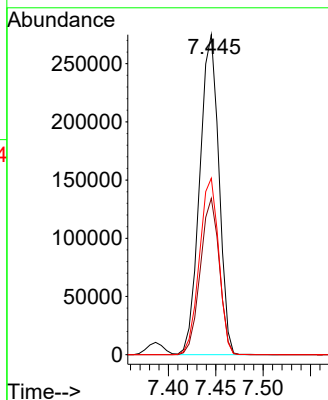
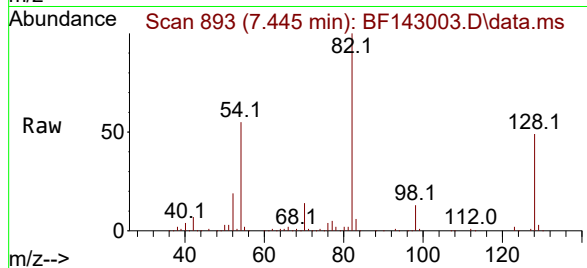
Tgt Ion: 82 Resp: 385910

Ion Ratio Lower Upper

82 100

128 48.8 37.7 56.5

54 55.2 45.7 68.5



#24

Nitrobenzene

Concen: 38.630 ng

RT: 7.463 min Scan# 896

Delta R.T. -0.000 min

Lab File: BF143003.D

Acq: 07 Jul 2025 12:12

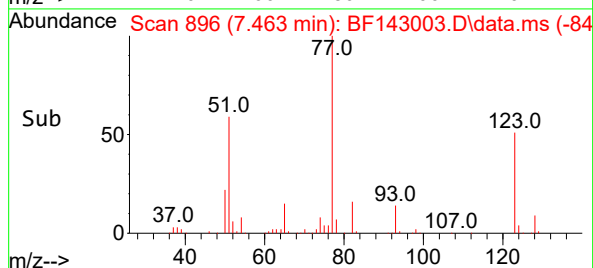
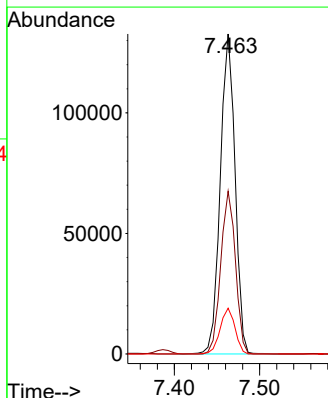
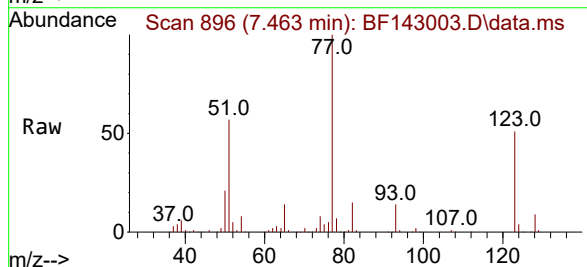
Tgt Ion: 77 Resp: 159724

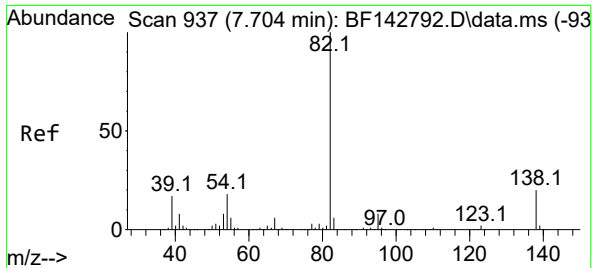
Ion Ratio Lower Upper

77 100

123 50.8 39.2 58.8

65 14.3 11.6 17.4

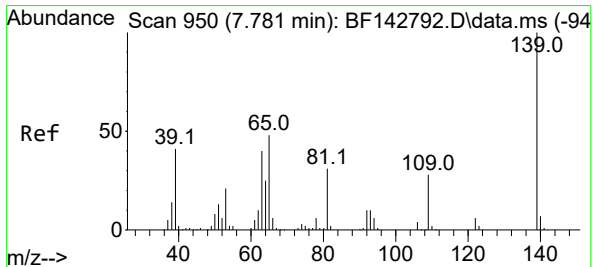
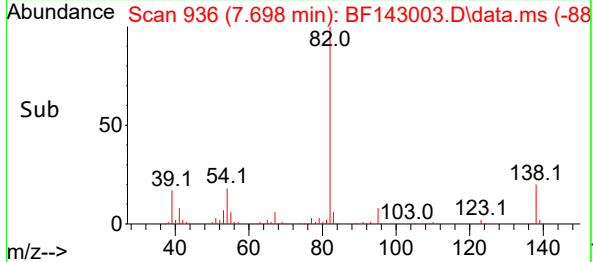
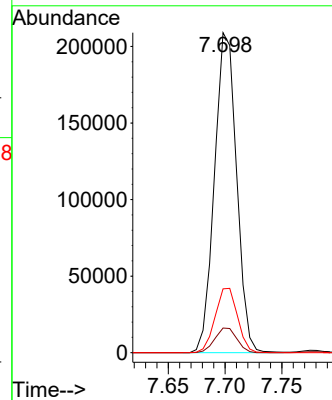
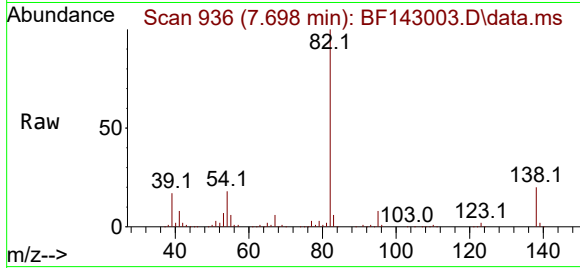




#25
Isophorone
Concen: 38.672 ng
RT: 7.698 min Scan# 91
Delta R.T. -0.006 min
Lab File: BF143003.D
Acq: 07 Jul 2025 12:12

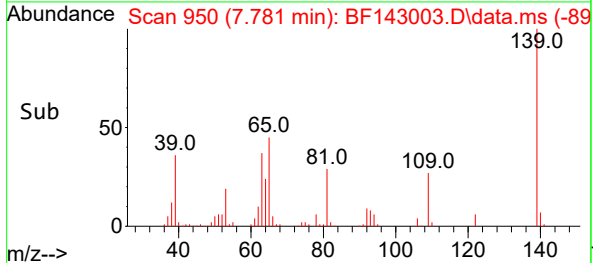
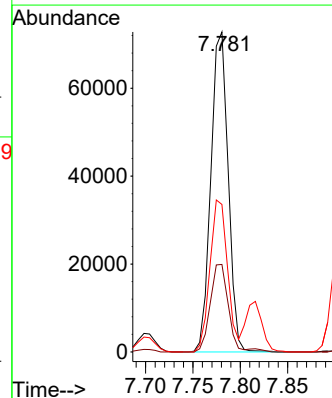
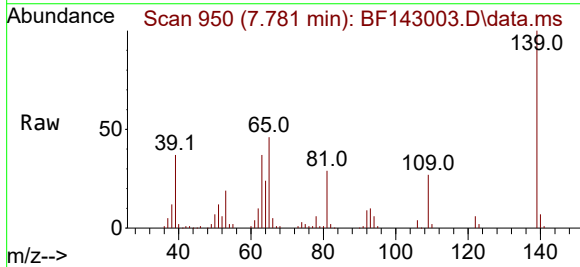
Instrument :
BNA_F
ClientSampleId :
SSTDCCC040

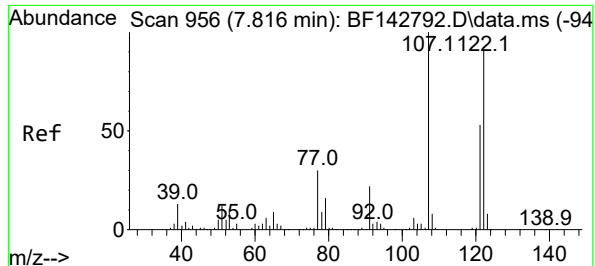
Tgt Ion: 82 Resp: 283403
Ion Ratio Lower Upper
82 100
95 7.7 6.2 9.2
138 20.0 16.2 24.4



#26
2-Nitrophenol
Concen: 41.029 ng
RT: 7.781 min Scan# 950
Delta R.T. 0.000 min
Lab File: BF143003.D
Acq: 07 Jul 2025 12:12

Tgt Ion:139 Resp: 92413
Ion Ratio Lower Upper
139 100
109 27.4 22.7 34.1
65 46.1 38.6 58.0





#27

2,4-Dimethylphenol

Concen: 38.538 ng m

RT: 7.816 min Scan# 91

Delta R.T. -0.000 min

Lab File: BF143003.D

Acq: 07 Jul 2025 12:12

Instrument :

BNA_F

ClientSampleId :

SSTDCCC040

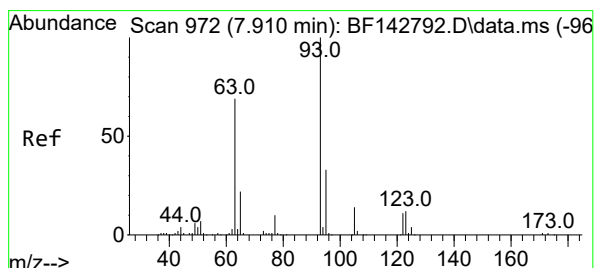
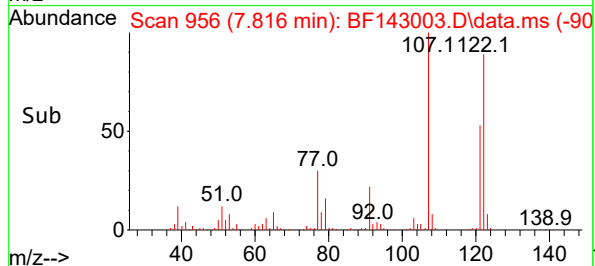
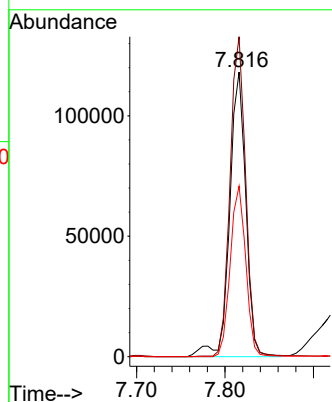
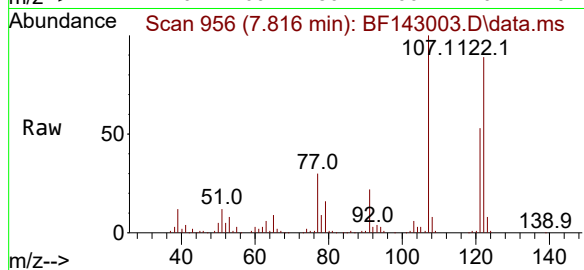
Tgt Ion:122 Resp: 150356

Ion Ratio Lower Upper

122 100

107 112.4 88.0 132.0

121 59.9 46.3 69.5



#28

bis(2-Chloroethoxy)methane

Concen: 39.573 ng

RT: 7.904 min Scan# 971

Delta R.T. -0.006 min

Lab File: BF143003.D

Acq: 07 Jul 2025 12:12

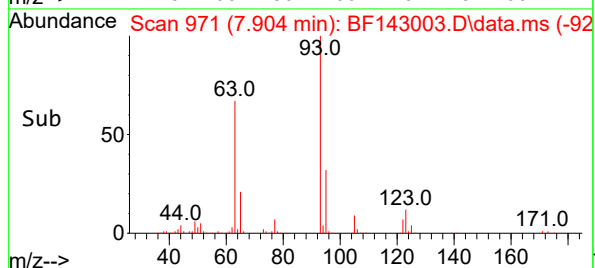
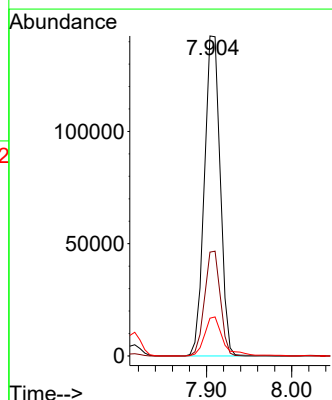
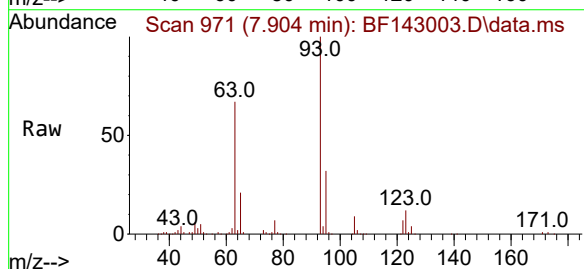
Tgt Ion: 93 Resp: 184372

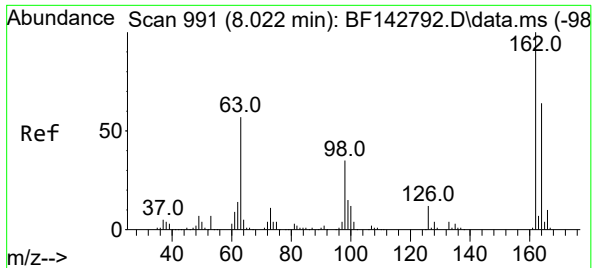
Ion Ratio Lower Upper

93 100

95 32.5 26.2 39.2

123 11.8 9.9 14.9





#29

2,4-Dichlorophenol

Concen: 39.320 ng

RT: 8.022 min Scan# 991

Delta R.T. -0.000 min

Lab File: BF143003.D

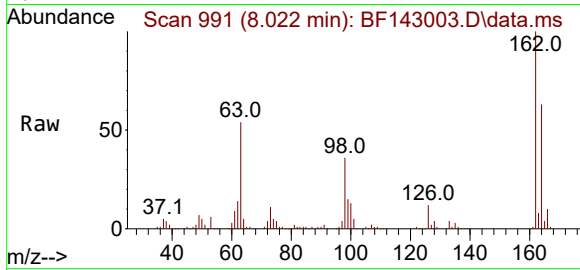
Acq: 07 Jul 2025 12:12

Instrument :

BNA_F

ClientSampleId :

SSTDCCC040



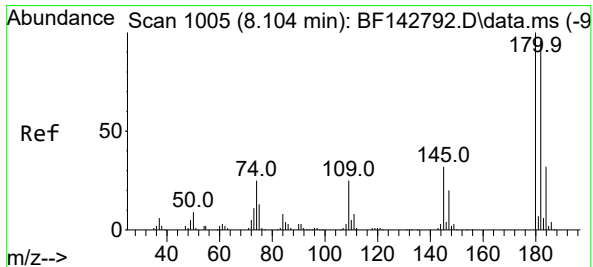
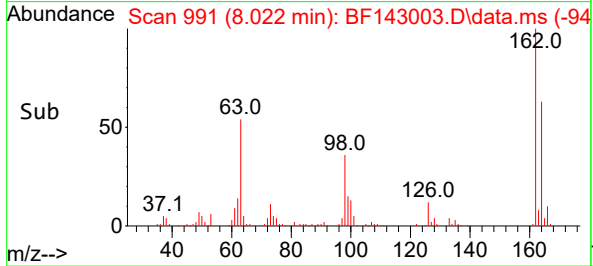
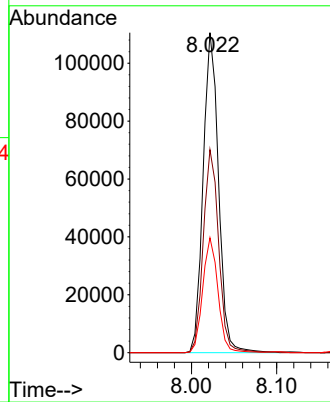
Tgt Ion:162 Resp: 139097

Ion Ratio Lower Upper

162 100

164 63.4 44.0 84.0

98 35.9 15.4 55.4



#30

1,2,4-Trichlorobenzene

Concen: 39.498 ng

RT: 8.104 min Scan# 1005

Delta R.T. -0.000 min

Lab File: BF143003.D

Acq: 07 Jul 2025 12:12

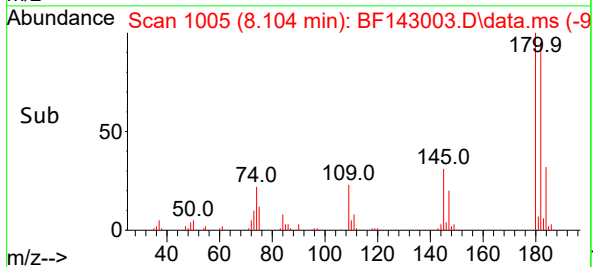
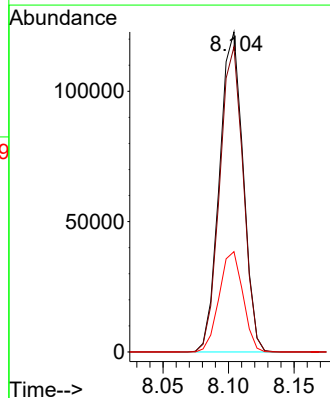
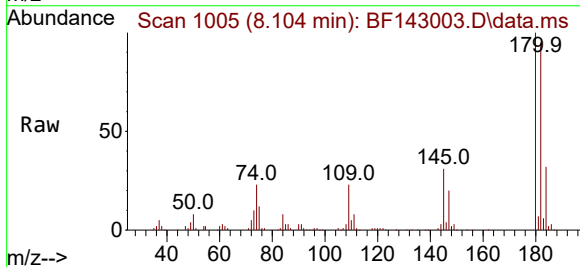
Tgt Ion:180 Resp: 153647

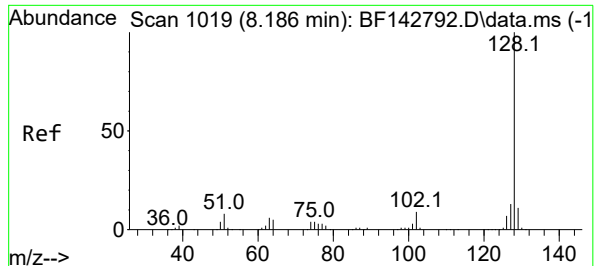
Ion Ratio Lower Upper

180 100

182 95.3 76.4 114.6

145 31.3 25.8 38.8





#31

Naphthalene

Concen: 39.334 ng

RT: 8.186 min Scan# 1019

Delta R.T. -0.000 min

Lab File: BF143003.D

Acq: 07 Jul 2025 12:12

Instrument :

BNA_F

ClientSampleId :

SSTDCCC040

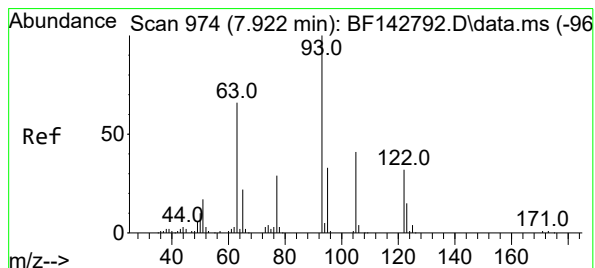
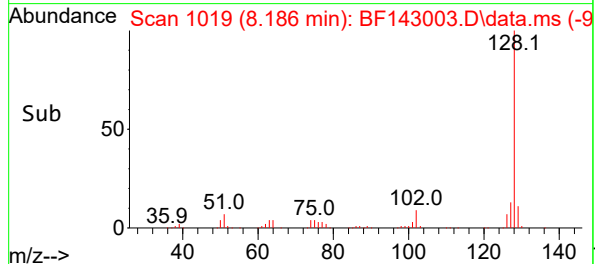
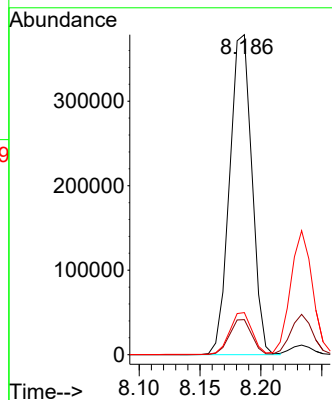
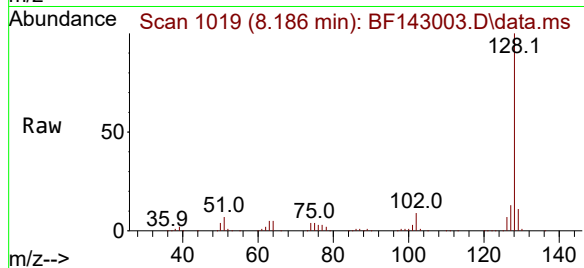
Tgt Ion:128 Resp: 482441

Ion Ratio Lower Upper

128 100

129 10.9 8.9 13.3

127 13.1 10.4 15.6



#32

Benzoic acid

Concen: 34.462 ng

RT: 7.933 min Scan# 976

Delta R.T. 0.012 min

Lab File: BF143003.D

Acq: 07 Jul 2025 12:12

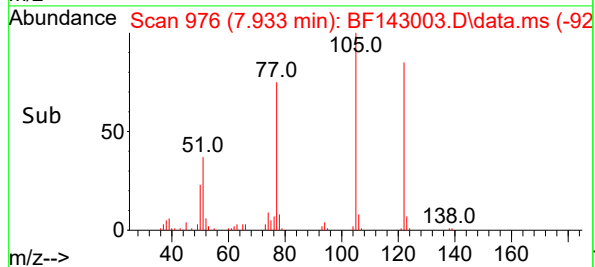
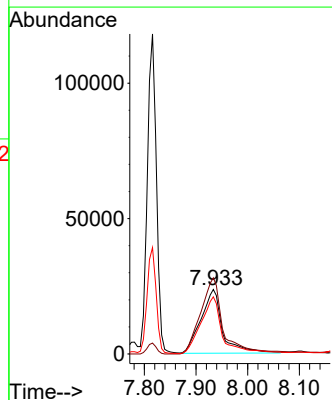
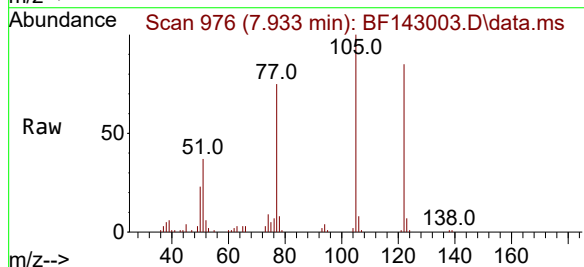
Tgt Ion:122 Resp: 68529

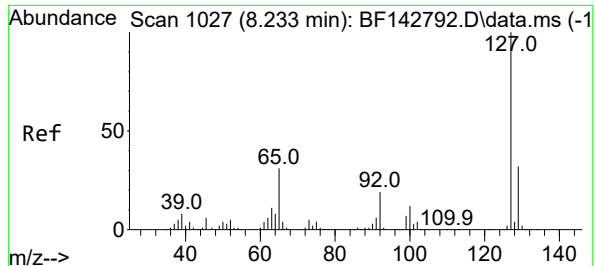
Ion Ratio Lower Upper

122 100

105 118.0 104.7 144.7

77 88.5 70.2 110.2





#33

4-Chloroaniline

Concen: 37.195 ng

RT: 8.233 min Scan# 1027

Delta R.T. -0.000 min

Lab File: BF143003.D

Acq: 07 Jul 2025 12:12

Instrument :

BNA_F

ClientSampleId :

SSTDCCC040

Tgt Ion:127 Resp: 185501

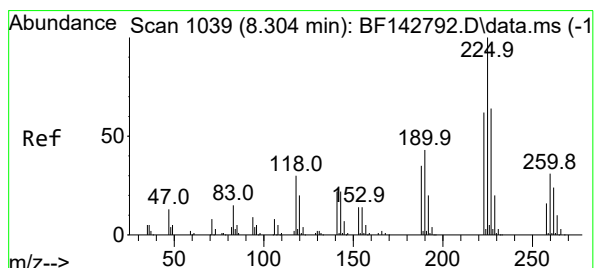
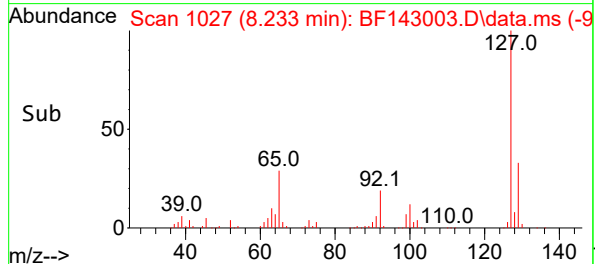
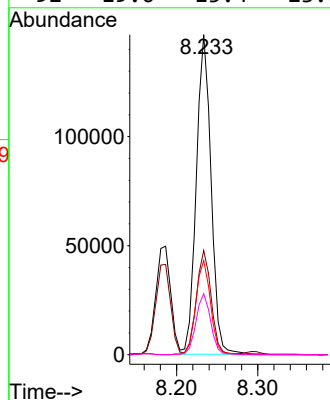
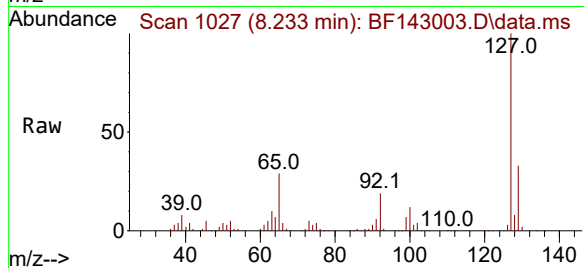
Ion Ratio Lower Upper

127 100

129 32.6 25.9 38.9

65 29.4 24.6 36.8

92 19.0 15.4 23.0



#34

Hexachlorobutadiene

Concen: 40.249 ng

RT: 8.298 min Scan# 1038

Delta R.T. -0.006 min

Lab File: BF143003.D

Acq: 07 Jul 2025 12:12

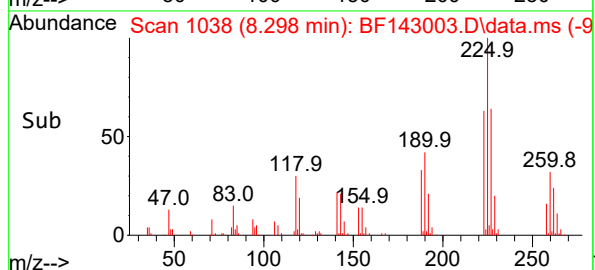
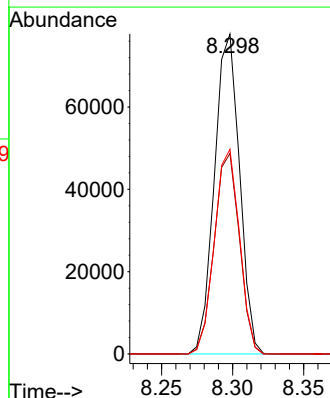
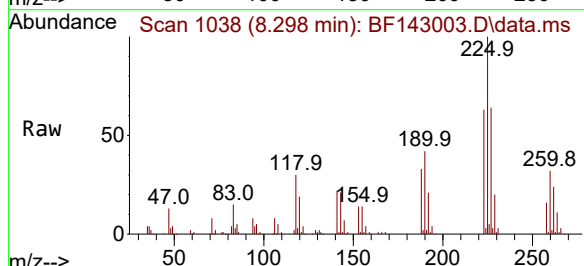
Tgt Ion:225 Resp: 95769

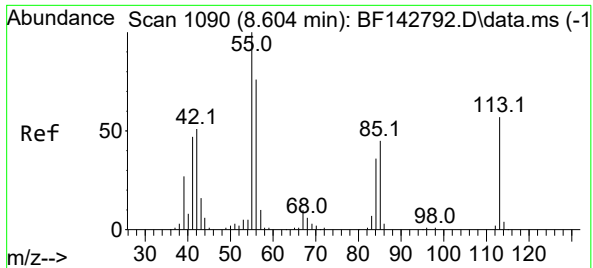
Ion Ratio Lower Upper

225 100

223 62.6 49.9 74.9

227 64.0 51.4 77.0





#35

Caprolactam

Concen: 38.545 ng

RT: 8.604 min Scan# 1090

Delta R.T. -0.000 min

Lab File: BF143003.D

Acq: 07 Jul 2025 12:12

Instrument :

BNA_F

ClientSampleId :

SSTDCCC040

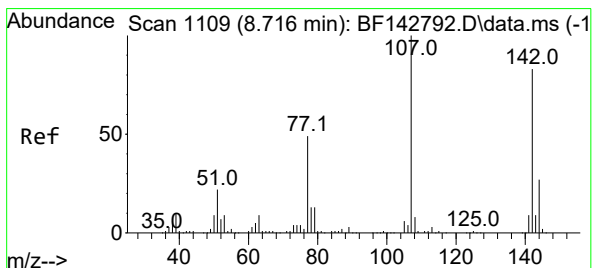
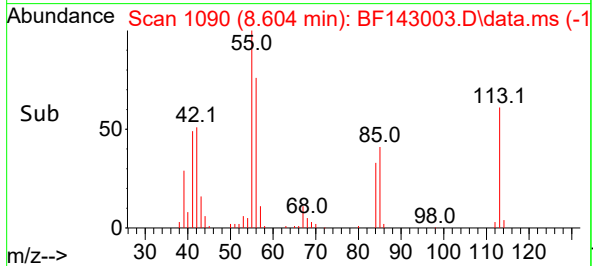
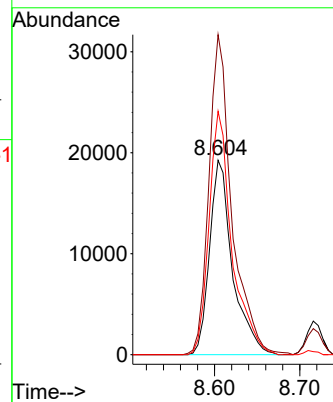
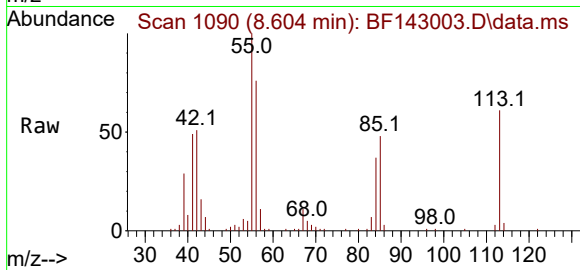
Tgt Ion:113 Resp: 35981

Ion Ratio Lower Upper

113 100

55 164.7 154.4 194.4

56 125.2 112.1 152.1



#36

4-Chloro-3-methylphenol

Concen: 39.359 ng

RT: 8.716 min Scan# 1109

Delta R.T. 0.000 min

Lab File: BF143003.D

Acq: 07 Jul 2025 12:12

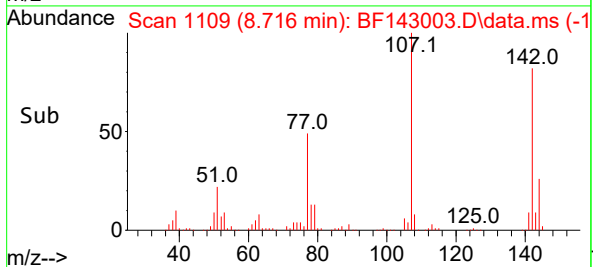
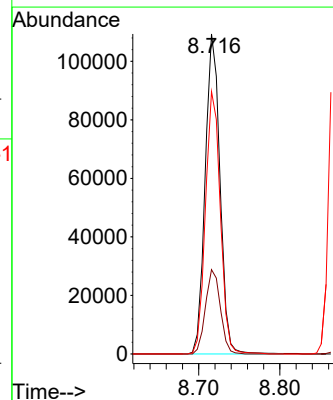
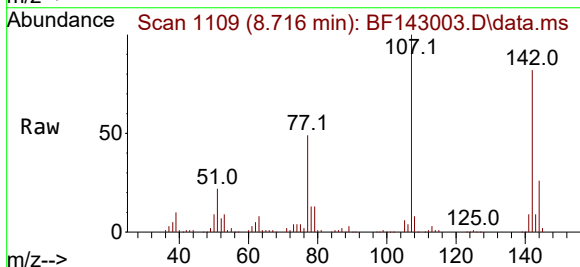
Tgt Ion:107 Resp: 138376

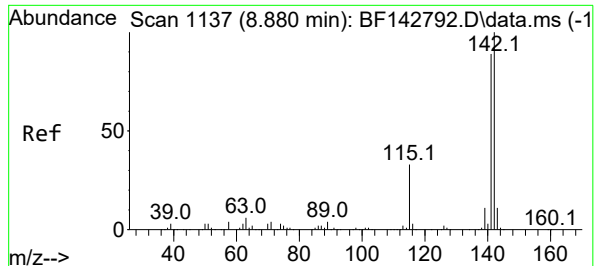
Ion Ratio Lower Upper

107 100

144 26.3 21.3 31.9

142 82.0 66.6 100.0





#37

2-Methylnaphthalene

Concen: 39.070 ng

RT: 8.875 min Scan# 1136

Delta R.T. -0.006 min

Lab File: BF143003.D

Acq: 07 Jul 2025 12:12

Instrument :

BNA_F

ClientSampleId :

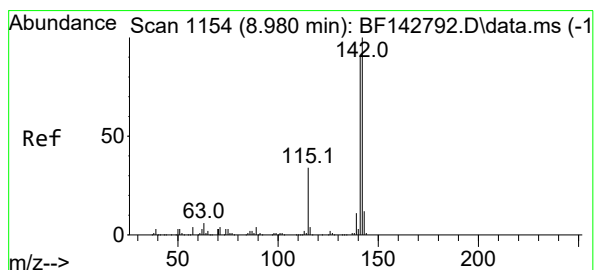
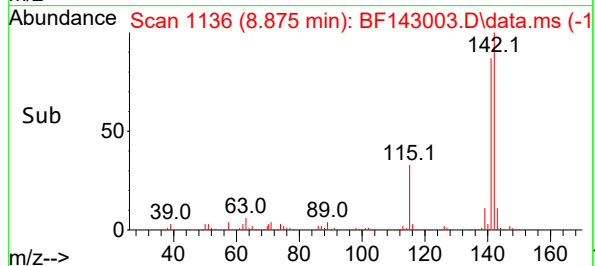
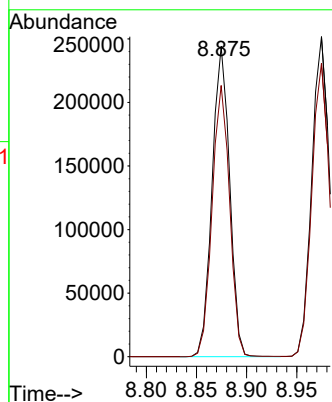
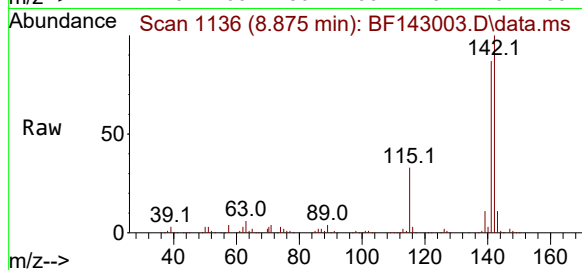
SSTDCCC040

Tgt Ion:142 Resp: 297088

Ion Ratio Lower Upper

142 100

141 87.4 70.9 106.3



#38

1-Methylnaphthalene

Concen: 38.897 ng

RT: 8.975 min Scan# 1153

Delta R.T. -0.006 min

Lab File: BF143003.D

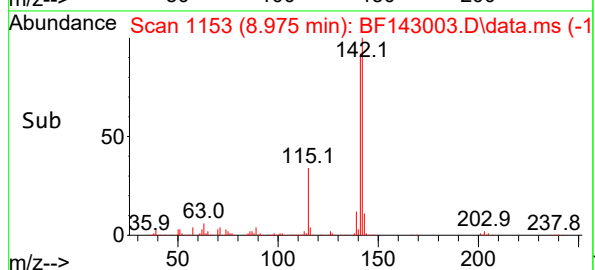
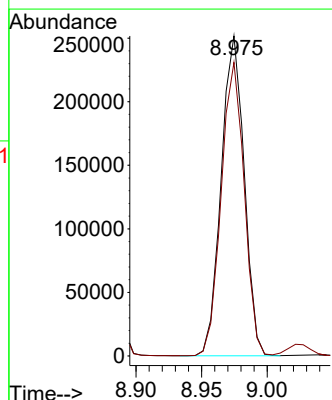
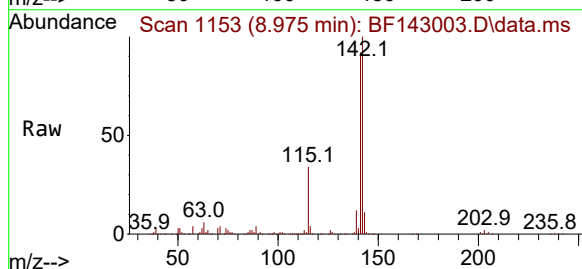
Acq: 07 Jul 2025 12:12

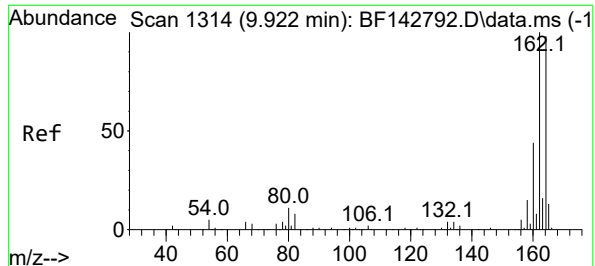
Tgt Ion:142 Resp: 306180

Ion Ratio Lower Upper

142 100

141 91.7 73.0 109.4





#39

Acenaphthene-d10

Concen: 20.000 ng

RT: 9.922 min Scan# 1164

Delta R.T. -0.000 min

Lab File: BF143003.D

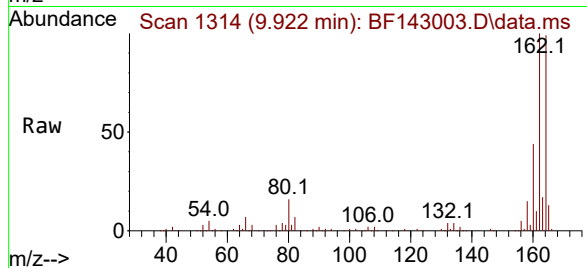
Acq: 07 Jul 2025 12:12

Instrument :

BNA_F

ClientSampleId :

SSTDCCC040



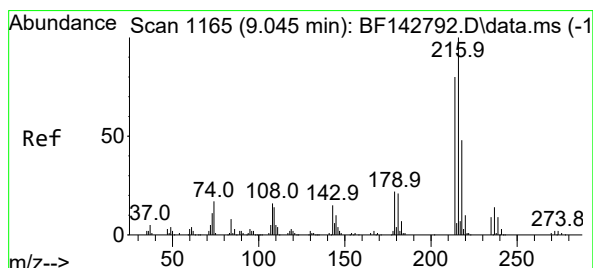
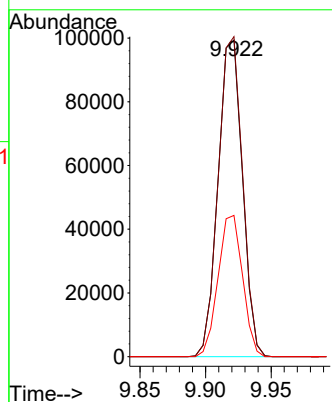
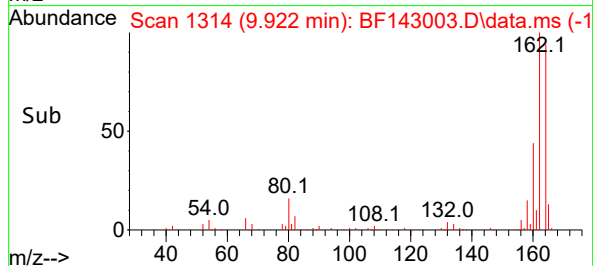
Tgt Ion:164 Resp: 128386

Ion Ratio Lower Upper

164 100

162 101.1 81.8 122.8

160 44.6 36.0 54.0



#40

1,2,4,5-Tetrachlorobenzene

Concen: 40.120 ng

RT: 9.039 min Scan# 1164

Delta R.T. -0.006 min

Lab File: BF143003.D

Acq: 07 Jul 2025 12:12

Tgt Ion:216 Resp: 151986

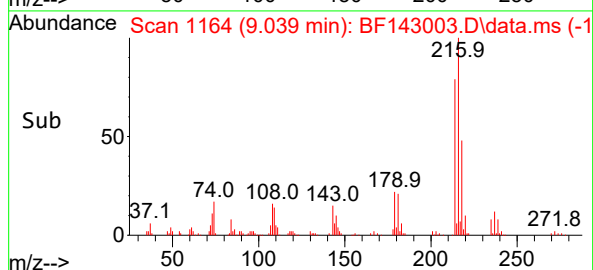
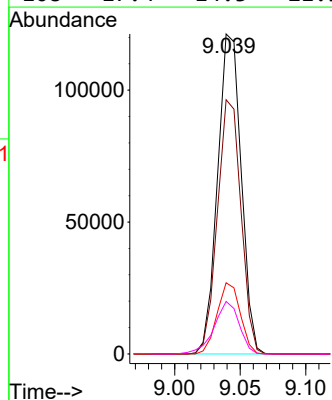
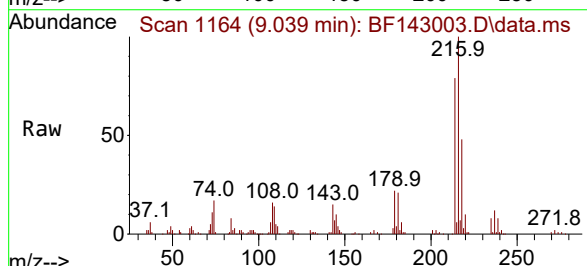
Ion Ratio Lower Upper

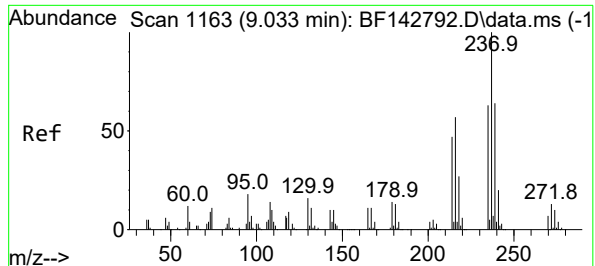
216 100

214 79.1 63.7 95.5

179 21.8 17.6 26.4

108 17.4 14.3 21.5





#41

Hexachlorocyclopentadiene

Concen: 40.967 ng

RT: 9.028 min Scan# 1163

Delta R.T. -0.006 min

Lab File: BF143003.D

Acq: 07 Jul 2025 12:12

Instrument :

BNA_F

ClientSampleId :

SSTDCCC040

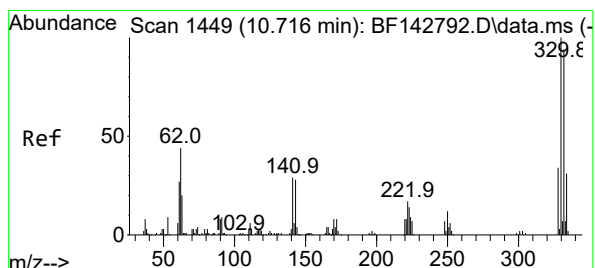
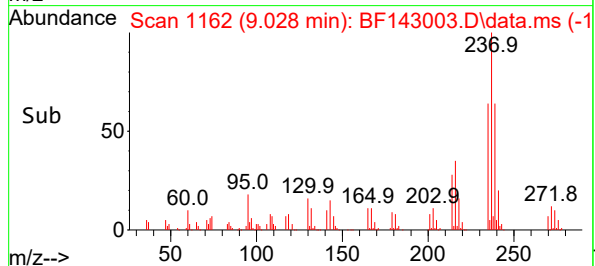
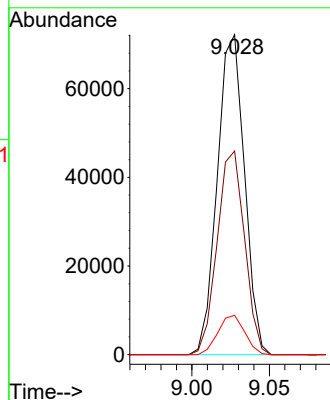
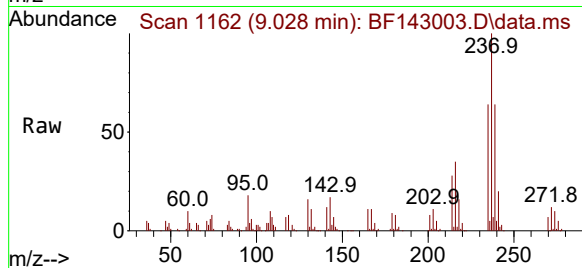
Tgt Ion:237 Resp: 88069

Ion Ratio Lower Upper

237 100

235 63.6 43.4 83.4

272 12.3 0.0 32.7



#42

2,4,6-Tribromophenol

Concen: 72.570 ng

RT: 10.710 min Scan# 1448

Delta R.T. -0.006 min

Lab File: BF143003.D

Acq: 07 Jul 2025 12:12

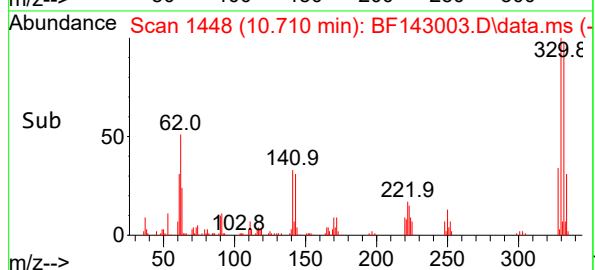
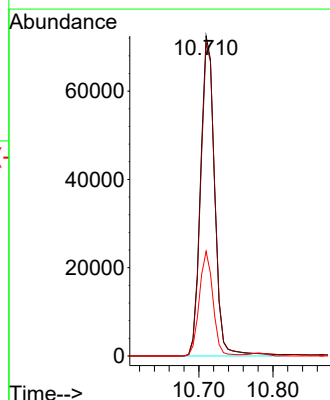
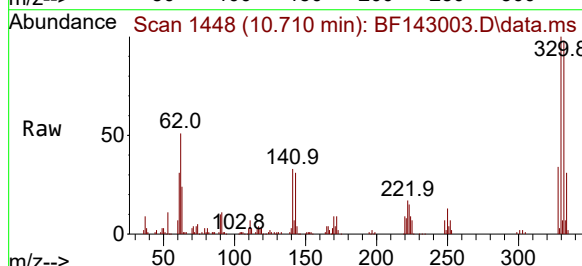
Tgt Ion:330 Resp: 95878

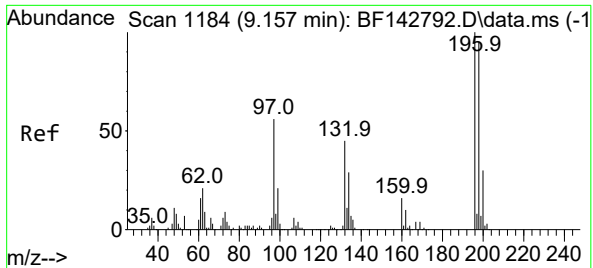
Ion Ratio Lower Upper

330 100

332 98.5 75.0 112.6

141 31.6 25.3 37.9





#43

2,4,6-Trichlorophenol

Concen: 37.913 ng

RT: 9.157 min Scan# 1184

Delta R.T. -0.000 min

Lab File: BF143003.D

Acq: 07 Jul 2025 12:12

Instrument :

BNA_F

ClientSampleId :

SSTDCCC040

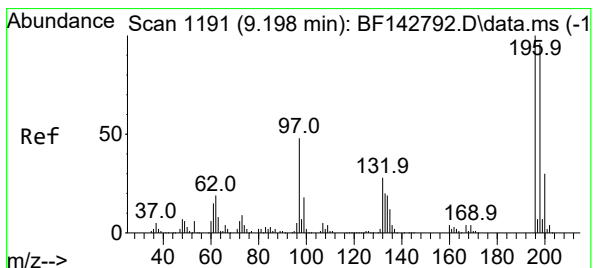
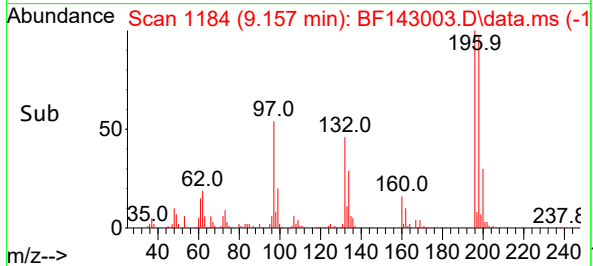
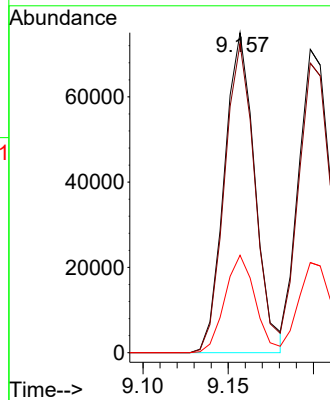
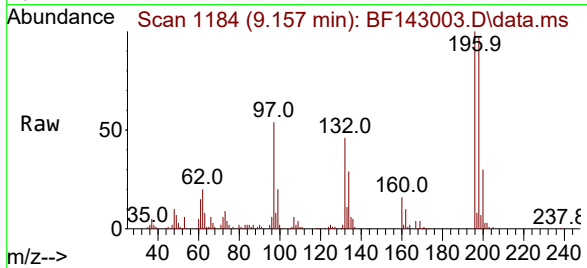
Tgt Ion:196 Resp: 93588

Ion Ratio Lower Upper

196 100

198 96.6 76.2 114.2

200 30.4 24.1 36.1



#44

2,4,5-Trichlorophenol

Concen: 37.348 ng

RT: 9.198 min Scan# 1191

Delta R.T. 0.000 min

Lab File: BF143003.D

Acq: 07 Jul 2025 12:12

Tgt Ion:196 Resp: 97051

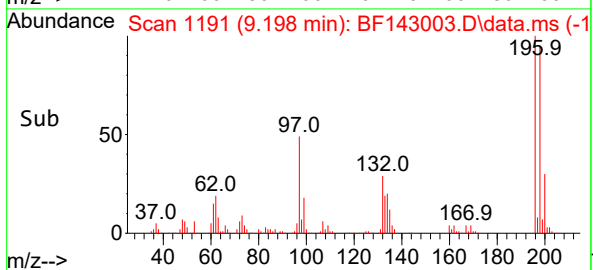
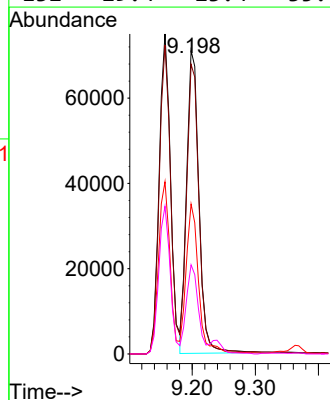
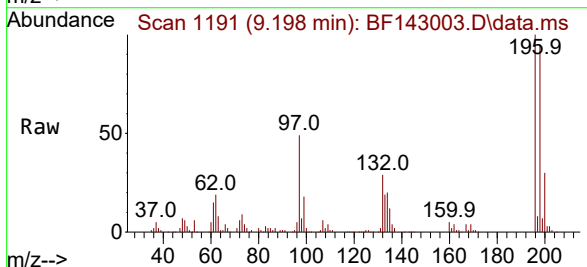
Ion Ratio Lower Upper

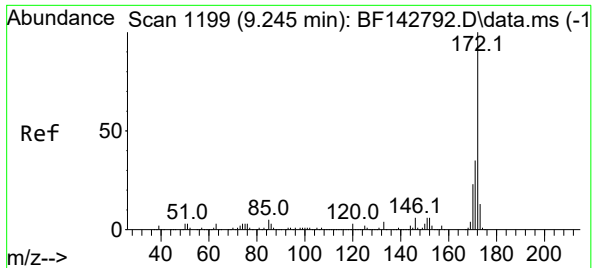
196 100

198 95.4 76.6 115.0

97 49.4 38.2 57.2

132 29.4 23.4 35.0





#45

2-Fluorobiphenyl

Concen: 84.026 ng

RT: 9.239 min Scan# 1199

Delta R.T. -0.006 min

Lab File: BF143003.D

Acq: 07 Jul 2025 12:12

Instrument :

BNA_F

ClientSampleId :

SSTDCCC040

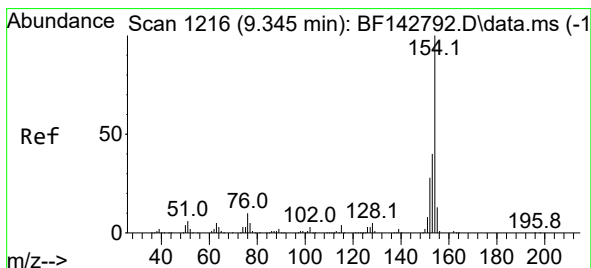
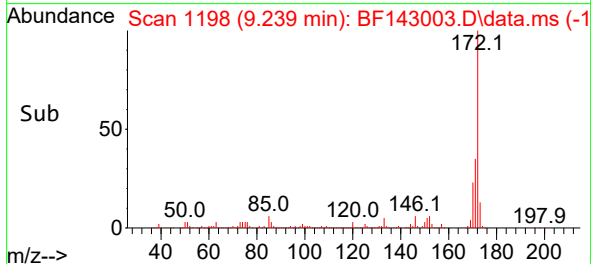
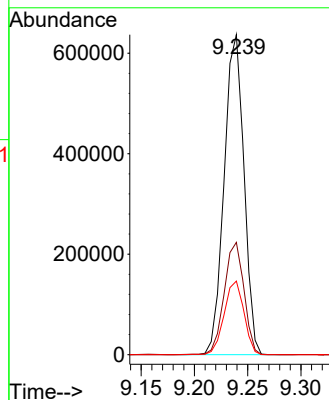
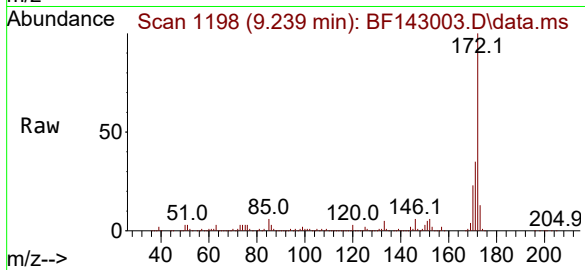
Tgt Ion:172 Resp: 821191

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: 39.146 ng

RT: 9.339 min Scan# 1215

Delta R.T. -0.006 min

Lab File: BF143003.D

Acq: 07 Jul 2025 12:12

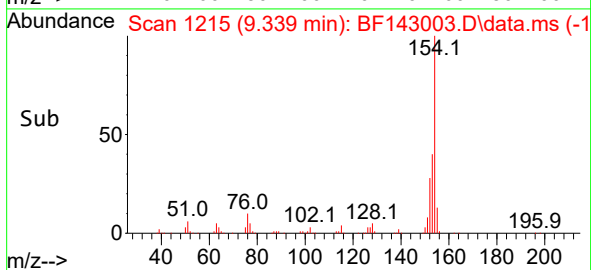
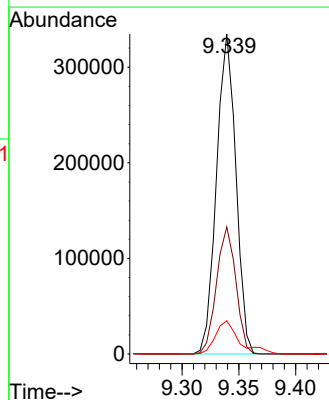
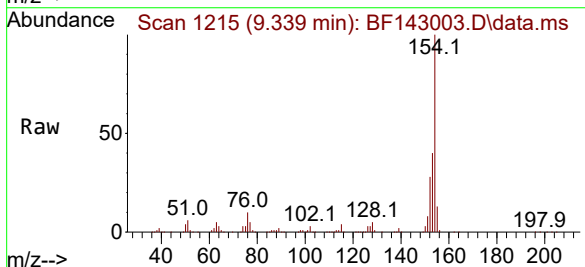
Tgt Ion:154 Resp: 397007

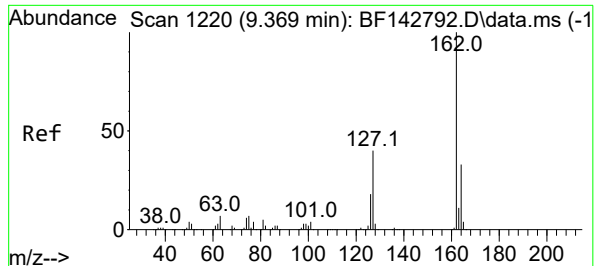
Ion Ratio Lower Upper

154 100

153 39.7 20.3 60.3

76 10.4 0.0 30.3





#47

2-Chloronaphthalene

Concen: 39.144 ng

RT: 9.369 min Scan# 1220

Delta R.T. 0.000 min

Lab File: BF143003.D

Acq: 07 Jul 2025 12:12

Instrument :

BNA_F

ClientSampleId :

SSTDCCC040

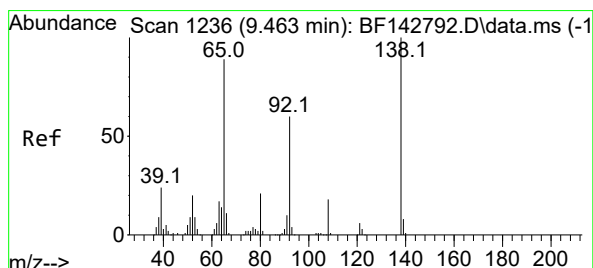
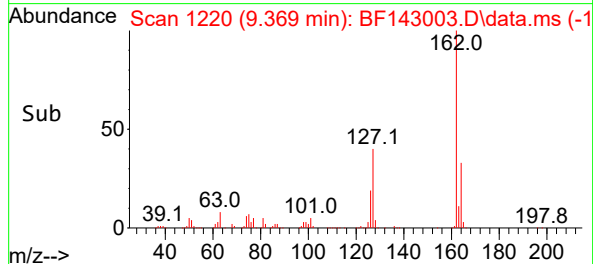
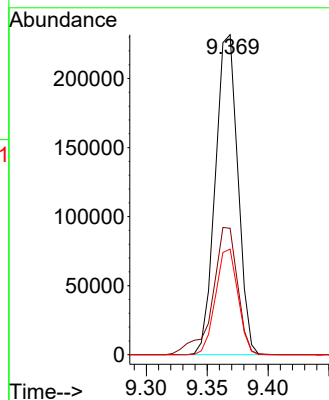
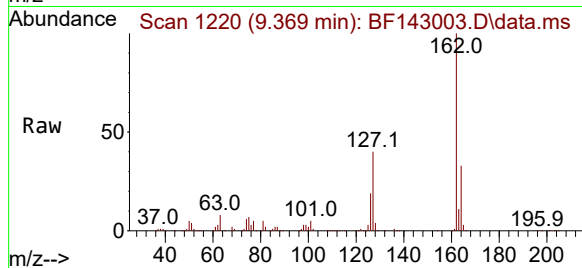
Tgt Ion:162 Resp: 297910

Ion Ratio Lower Upper

162 100

127 39.5 32.2 48.2

164 33.0 26.1 39.1



#48

2-Nitroaniline

Concen: 38.713 ng

RT: 9.463 min Scan# 1236

Delta R.T. -0.000 min

Lab File: BF143003.D

Acq: 07 Jul 2025 12:12

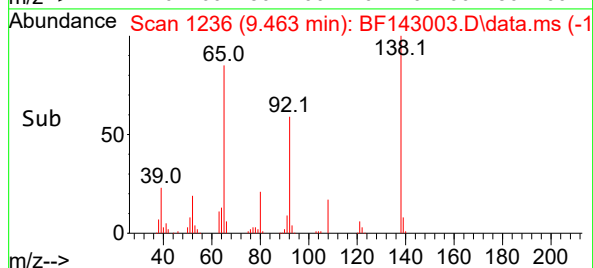
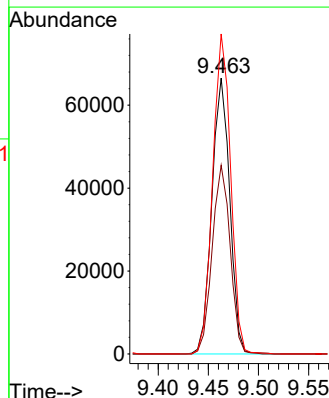
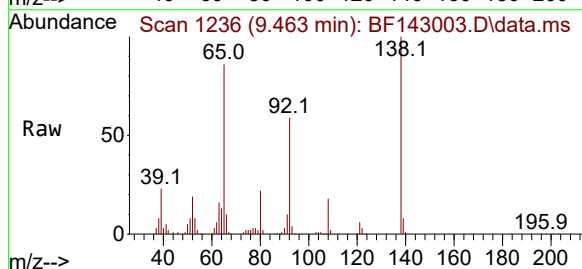
Tgt Ion: 65 Resp: 82602

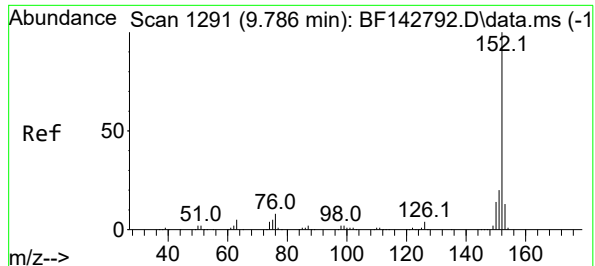
Ion Ratio Lower Upper

65 100

92 68.4 53.8 80.6

138 116.0 89.6 134.4





#49

Acenaphthylene

Concen: 39.035 ng

RT: 9.780 min Scan# 1291

Delta R.T. -0.006 min

Lab File: BF143003.D

Acq: 07 Jul 2025 12:12

Instrument :

BNA_F

ClientSampleId :

SSTDCCC040

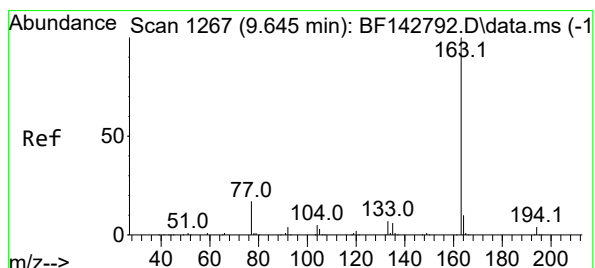
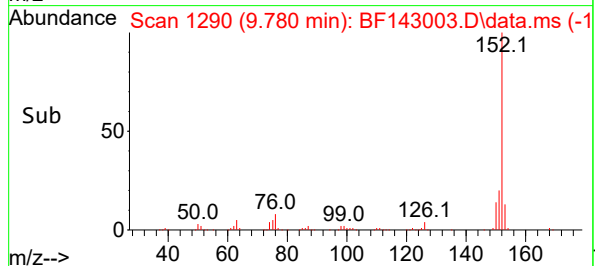
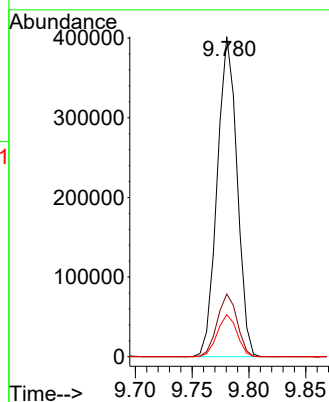
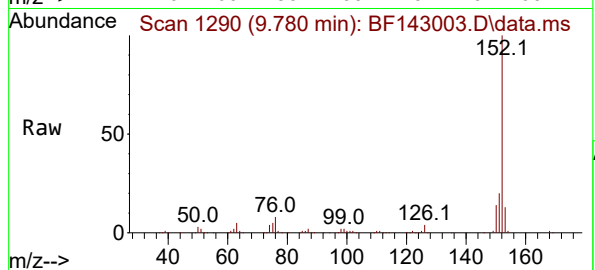
Tgt Ion:152 Resp: 489067

Ion Ratio Lower Upper

152 100

151 19.6 16.1 24.1

153 13.1 10.4 15.6



#50

Dimethylphthalate

Concen: 38.647 ng

RT: 9.639 min Scan# 1266

Delta R.T. -0.006 min

Lab File: BF143003.D

Acq: 07 Jul 2025 12:12

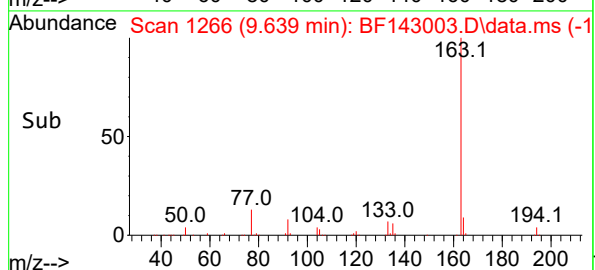
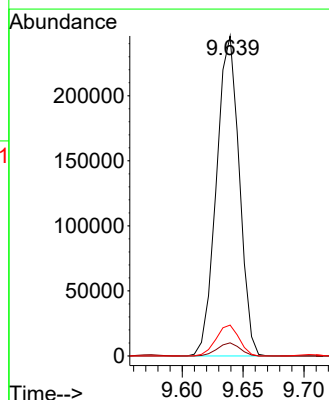
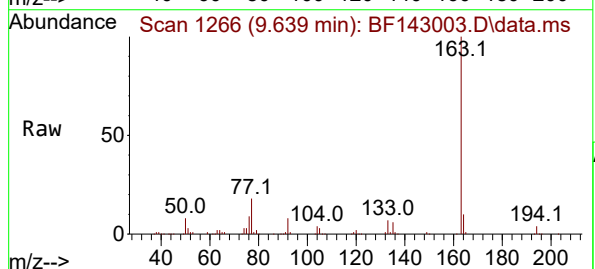
Tgt Ion:163 Resp: 321177

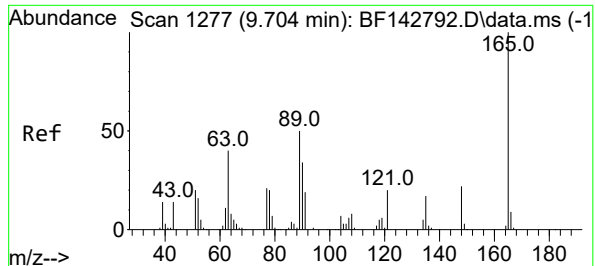
Ion Ratio Lower Upper

163 100

194 4.1 3.3 4.9

164 9.6 8.0 12.0

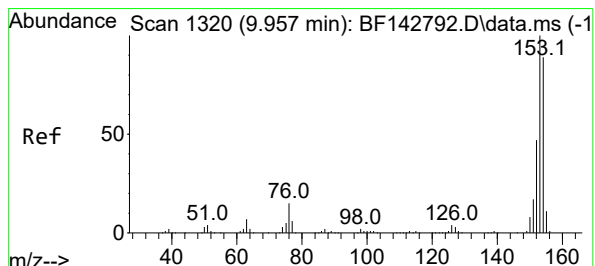
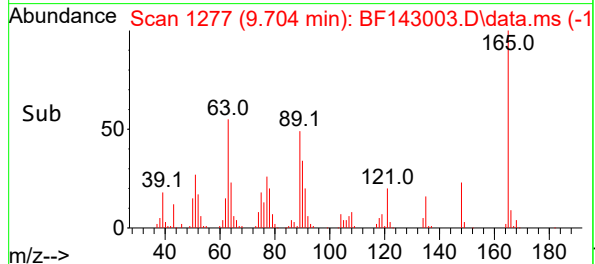
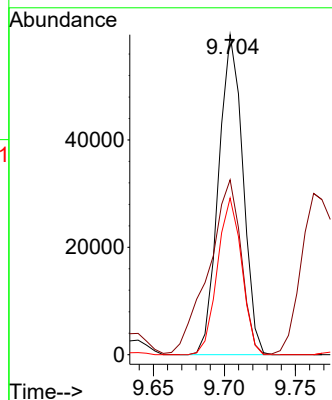
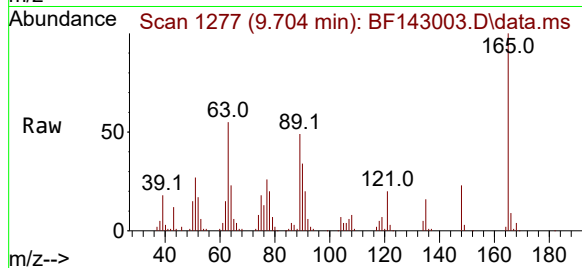




#51
2,6-Dinitrotoluene
Concen: 38.826 ng
RT: 9.704 min Scan# 1119
Delta R.T. -0.000 min
Lab File: BF143003.D
Acq: 07 Jul 2025 12:12

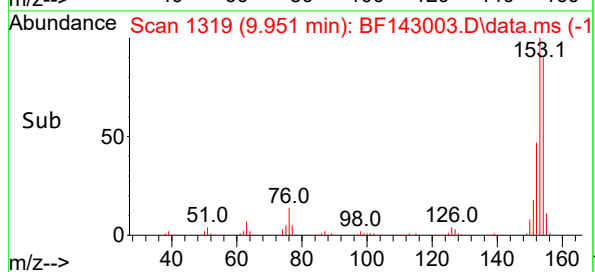
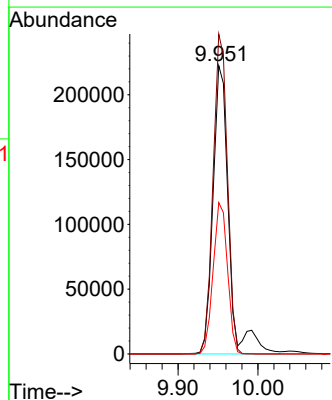
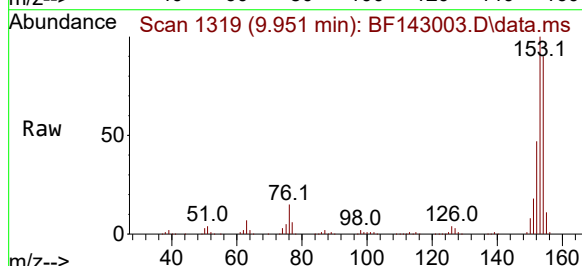
Instrument :
BNA_F
ClientSampleId :
SSTDCCC040

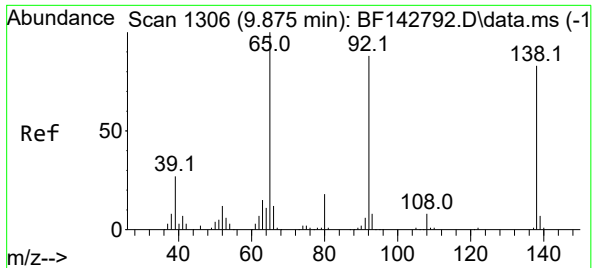
Tgt Ion	Ratio	Lower	Upper
165	100		
63	54.7	44.2	66.4
89	49.0	39.8	59.8



#52
Acenaphthene
Concen: 40.086 ng m
RT: 9.951 min Scan# 1319
Delta R.T. -0.006 min
Lab File: BF143003.D
Acq: 07 Jul 2025 12:12

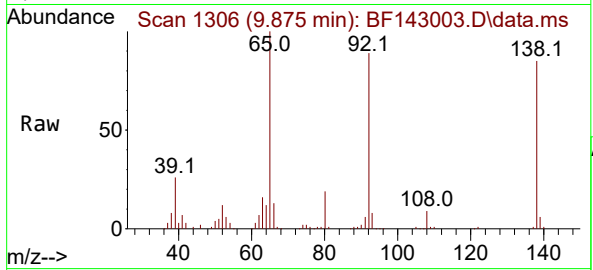
Tgt Ion	Ratio	Lower	Upper
154	100		
153	111.0	90.0	135.0
152	52.5	41.9	62.9



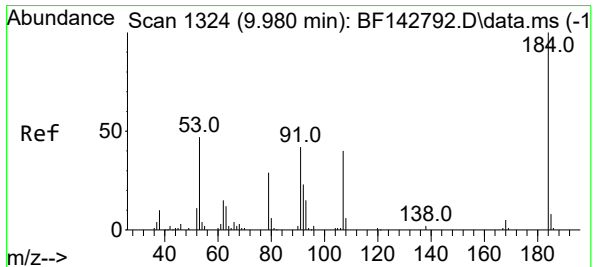
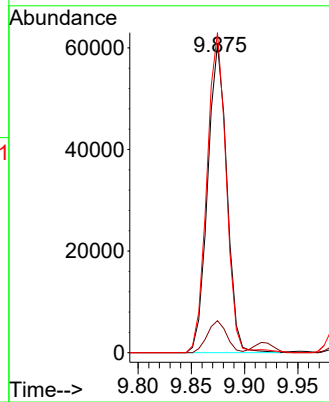
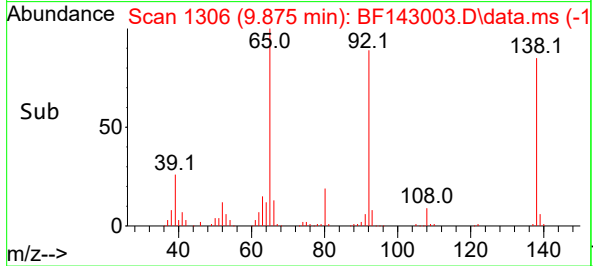


#53
3-Nitroaniline
Concen: 37.896 ng
RT: 9.875 min Scan# 1306
Delta R.T. -0.000 min
Lab File: BF143003.D
Acq: 07 Jul 2025 12:12

Instrument :
BNA_F
ClientSampleId :
SSTDCCC040

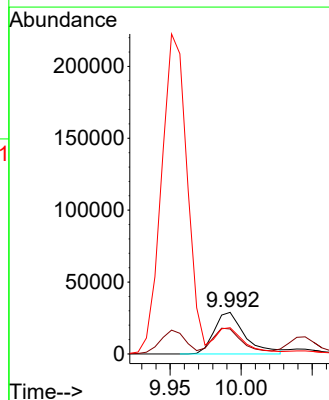
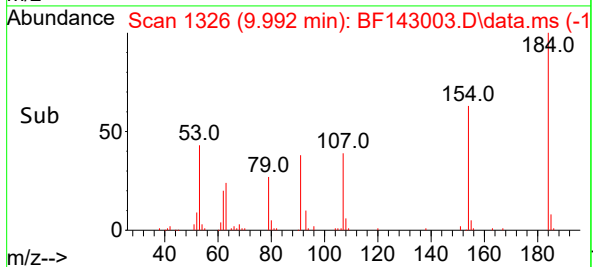
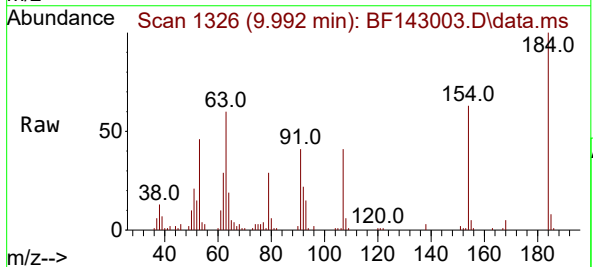


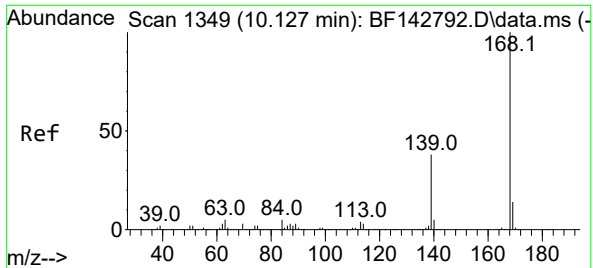
Tgt Ion:138 Resp: 76148
Ion Ratio Lower Upper
138 100
108 10.4 8.1 12.1
92 103.7 85.1 127.7



#54
2,4-Dinitrophenol
Concen: 47.528 ng
RT: 9.992 min Scan# 1326
Delta R.T. 0.012 min
Lab File: BF143003.D
Acq: 07 Jul 2025 12:12

Tgt Ion:184 Resp: 43433
Ion Ratio Lower Upper
184 100
63 59.9 50.6 75.8
154 63.1 51.8 77.8





#55

Dibenzofuran

Concen: 38.541 ng

RT: 10.127 min Scan# 1349

Delta R.T. -0.000 min

Lab File: BF143003.D

Acq: 07 Jul 2025 12:12

Instrument :

BNA_F

ClientSampleId :

SSTDCCC040

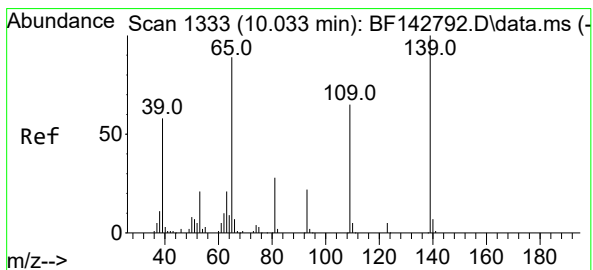
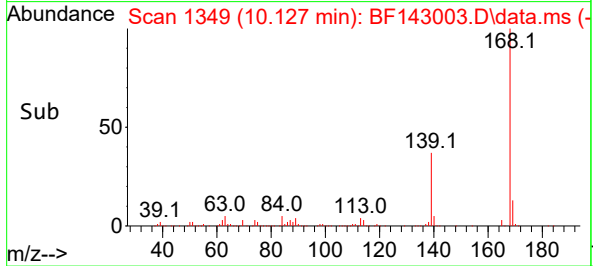
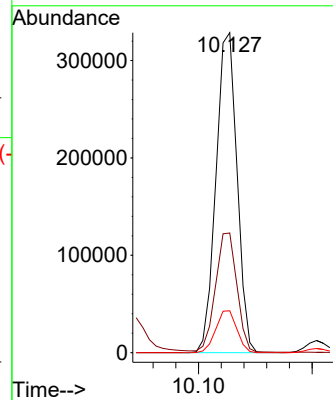
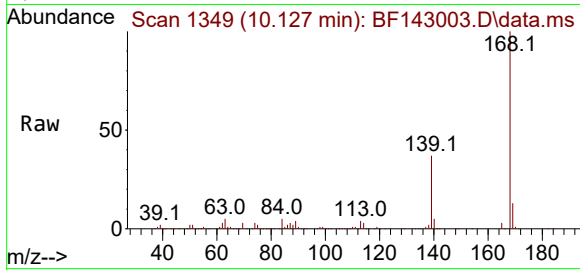
Tgt Ion:168 Resp: 422464

Ion Ratio Lower Upper

168 100

139 37.4 30.2 45.4

169 13.1 10.8 16.2



#56

4-Nitrophenol

Concen: 38.583 ng

RT: 10.045 min Scan# 1335

Delta R.T. 0.012 min

Lab File: BF143003.D

Acq: 07 Jul 2025 12:12

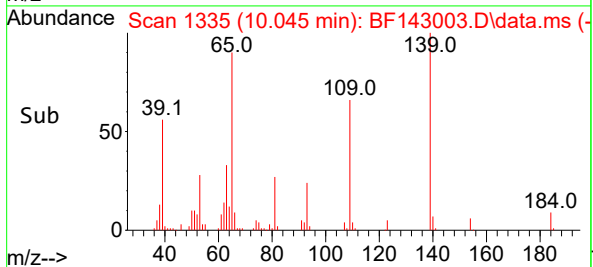
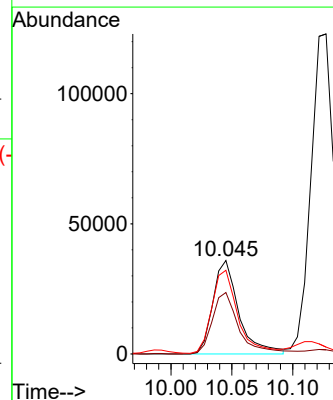
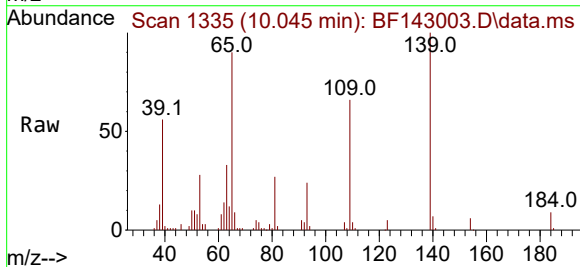
Tgt Ion:139 Resp: 53076

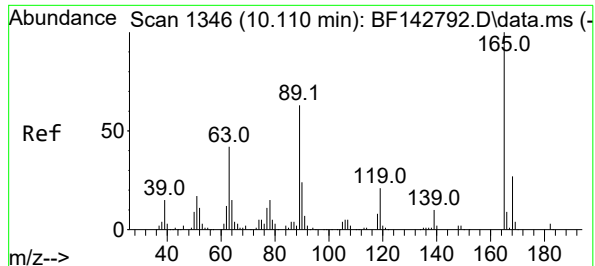
Ion Ratio Lower Upper

139 100

109 65.8 44.7 84.7

65 89.5 69.8 109.8

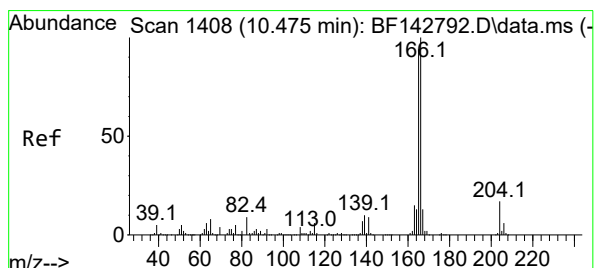
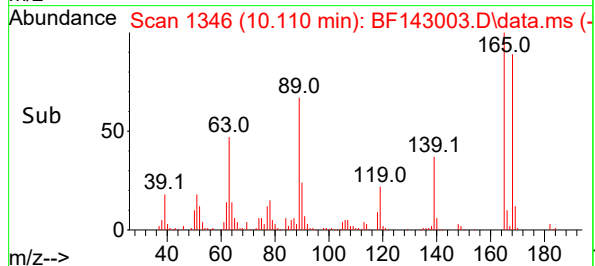
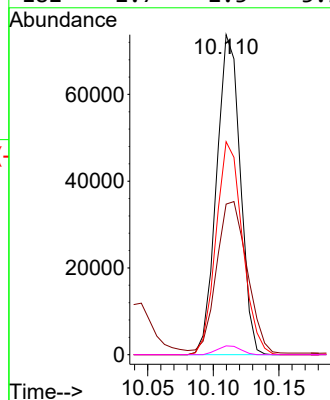
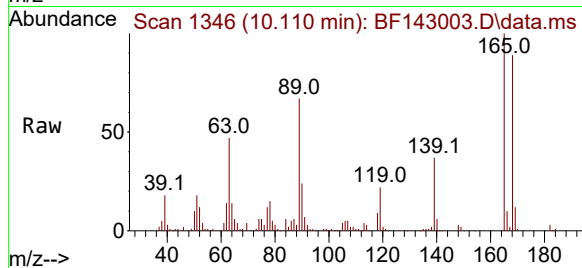




#57
2,4-Dinitrotoluene
Concen: 38.178 ng
RT: 10.110 min Scan# 11
Delta R.T. -0.000 min
Lab File: BF143003.D
Acq: 07 Jul 2025 12:12

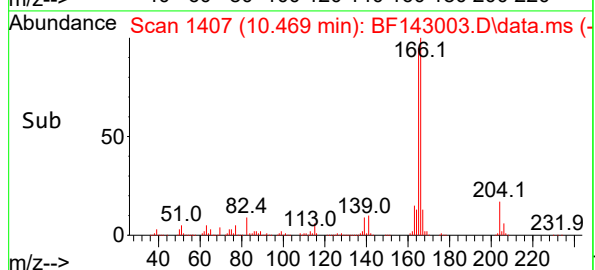
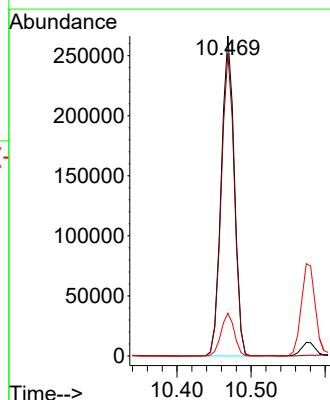
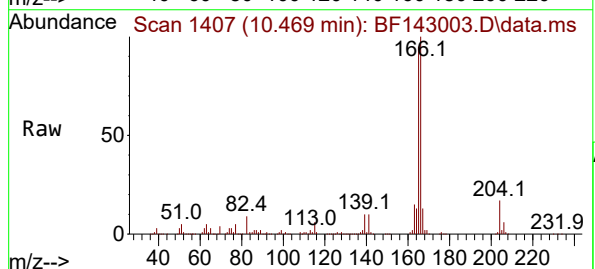
Instrument :
BNA_F
ClientSampleId :
SSTDCCC040

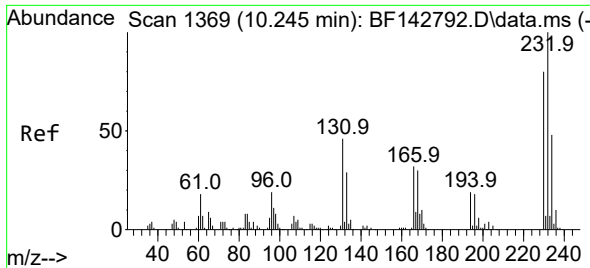
Tgt Ion:165 Resp: 92551
Ion Ratio Lower Upper
165 100
63 47.1 33.9 50.9
89 66.5 50.6 75.8
182 2.7 2.3 3.5



#58
Fluorene
Concen: 38.205 ng
RT: 10.469 min Scan# 1407
Delta R.T. -0.006 min
Lab File: BF143003.D
Acq: 07 Jul 2025 12:12

Tgt Ion:166 Resp: 327065
Ion Ratio Lower Upper
166 100
165 94.6 75.2 112.8
167 13.4 10.6 15.8

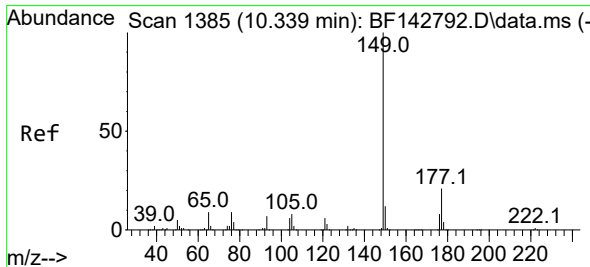
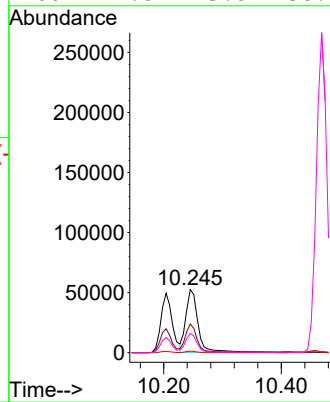
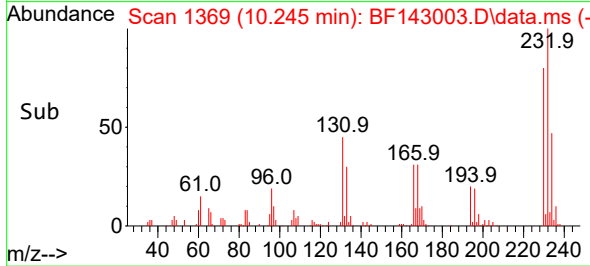
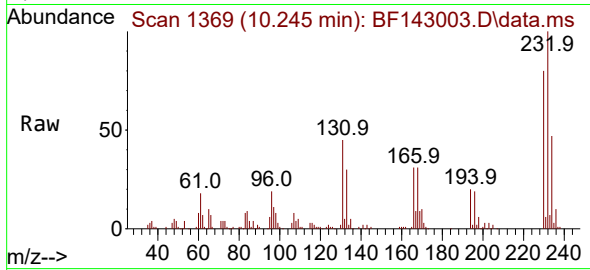




#59
2,3,4,6-Tetrachlorophenol
Concen: 35.944 ng
RT: 10.245 min Scan# 1369
Delta R.T. -0.000 min
Lab File: BF143003.D
Acq: 07 Jul 2025 12:12

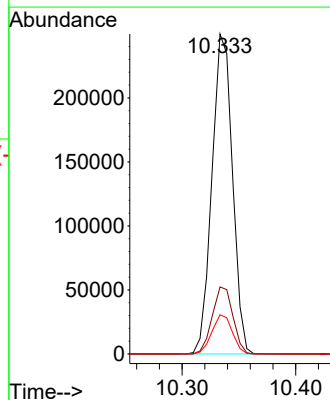
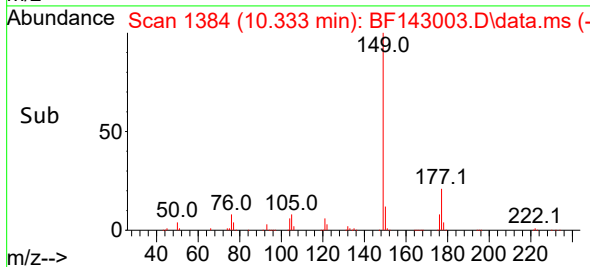
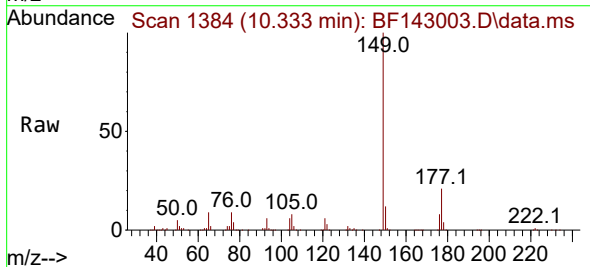
Instrument :
BNA_F
ClientSampleId :
SSTDCCC040

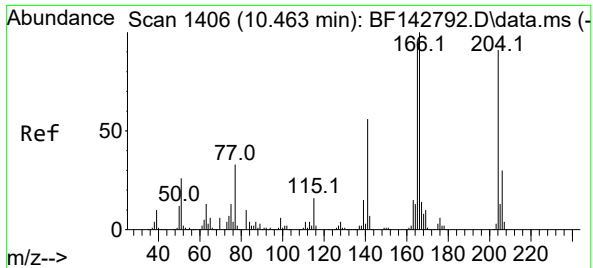
Tgt Ion:232 Resp: 75288
Ion Ratio Lower Upper
232 100
131 43.2 37.6 56.4
130 2.2 1.7 2.5
166 27.8 25.8 38.6



#60
Diethylphthalate
Concen: 38.440 ng
RT: 10.333 min Scan# 1384
Delta R.T. -0.006 min
Lab File: BF143003.D
Acq: 07 Jul 2025 12:12

Tgt Ion:149 Resp: 313222
Ion Ratio Lower Upper
149 100
177 20.9 17.0 25.6
150 12.2 9.8 14.6

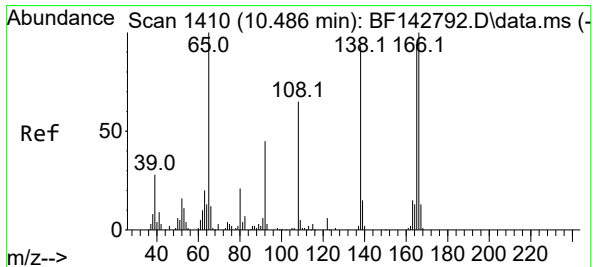
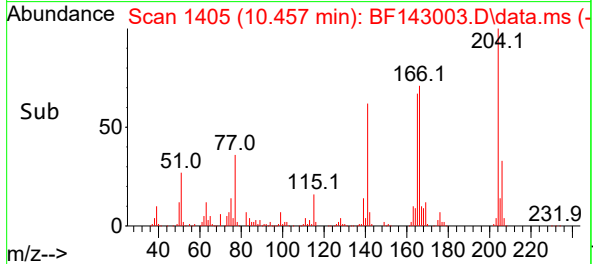
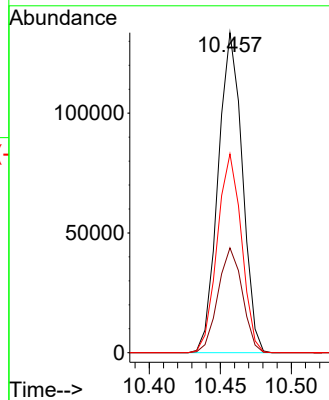
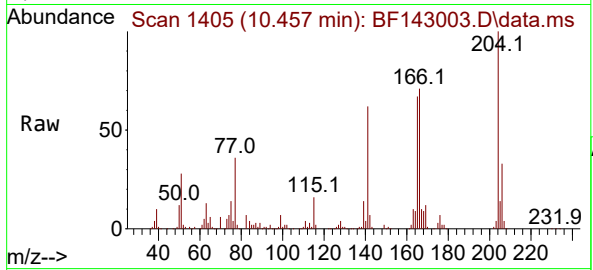




#61
4-Chlorophenyl-phenylether
Concen: 38.716 ng
RT: 10.457 min Scan# 1405
Delta R.T. -0.006 min
Lab File: BF143003.D
Acq: 07 Jul 2025 12:12

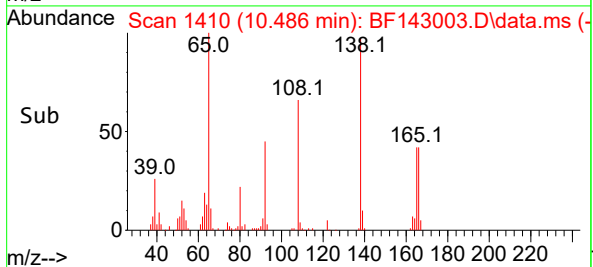
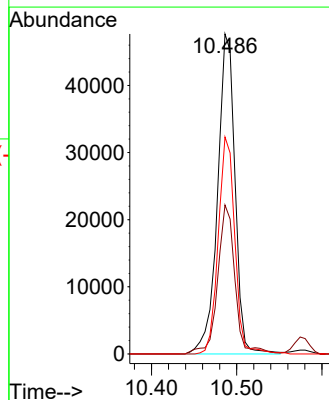
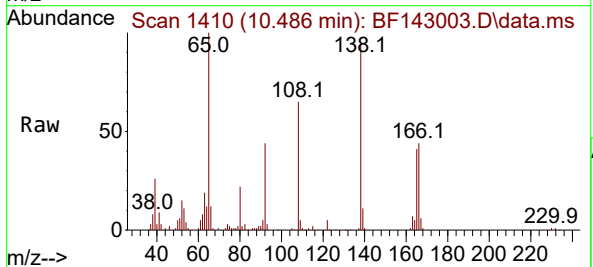
Instrument :
BNA_F
ClientSampleId :
SSTDCCC040

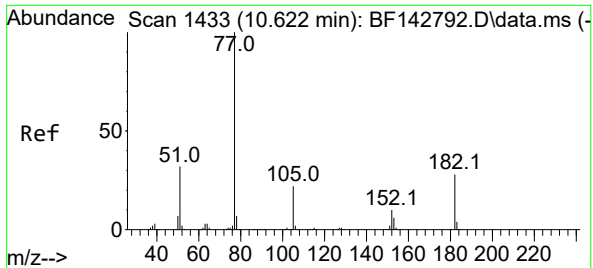
Tgt Ion:204 Resp: 158156
Ion Ratio Lower Upper
204 100
206 32.8 26.3 39.5
141 62.1 49.1 73.7



#62
4-Nitroaniline
Concen: 37.032 ng
RT: 10.486 min Scan# 1410
Delta R.T. -0.000 min
Lab File: BF143003.D
Acq: 07 Jul 2025 12:12

Tgt Ion:138 Resp: 68055
Ion Ratio Lower Upper
138 100
92 46.6 28.4 68.4
108 67.8 50.2 90.2

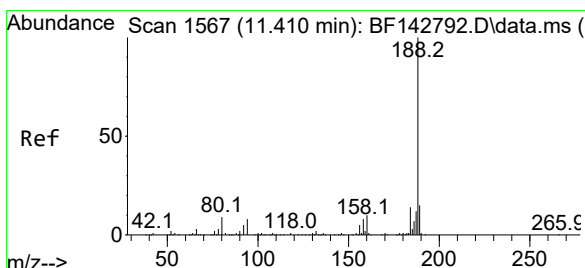
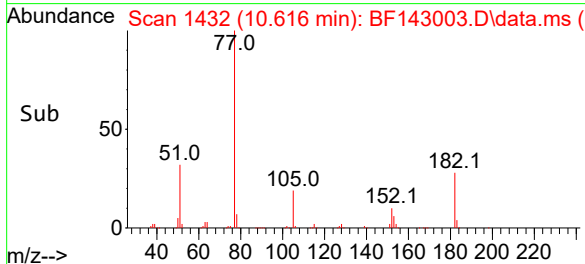
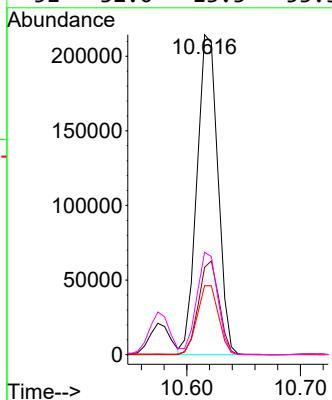
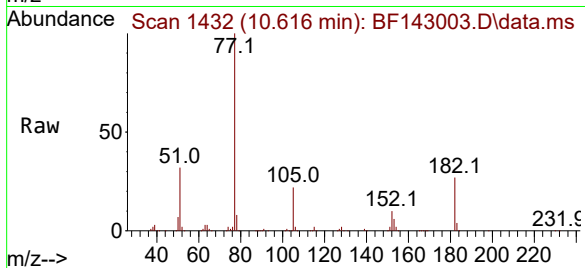




#63
Azobenzene
Concen: 37.788 ng
RT: 10.616 min Scan# 1433
Delta R.T. -0.006 min
Lab File: BF143003.D
Acq: 07 Jul 2025 12:12

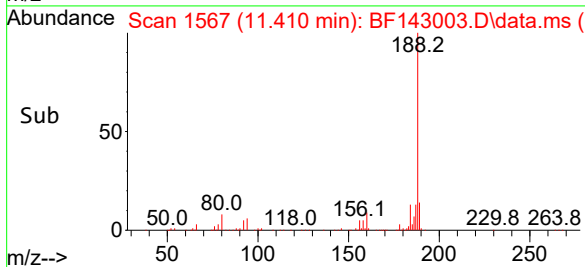
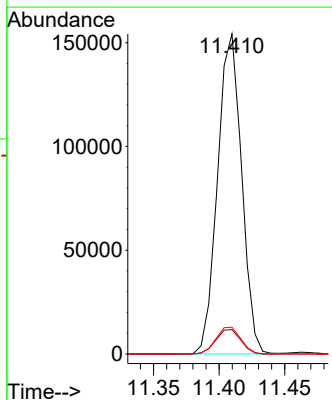
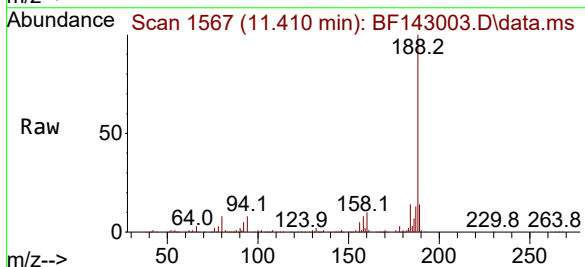
Instrument :
BNA_F
ClientSampleId :
SSTDCCC040

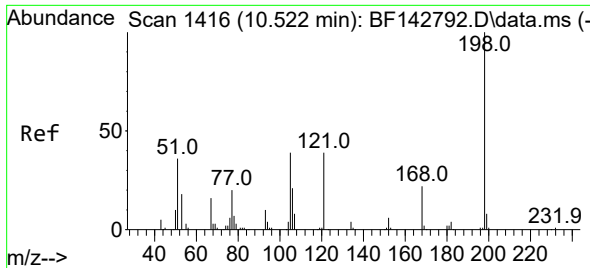
Tgt Ion: 77 Resp: 275193
Ion Ratio Lower Upper
77 100
182 27.3 7.7 47.7
105 21.6 1.9 41.9
51 32.0 13.3 53.3



#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.410 min Scan# 1567
Delta R.T. -0.000 min
Lab File: BF143003.D
Acq: 07 Jul 2025 12:12

Tgt Ion: 188 Resp: 196682
Ion Ratio Lower Upper
188 100
94 7.6 6.7 10.1
80 8.4 6.9 10.3

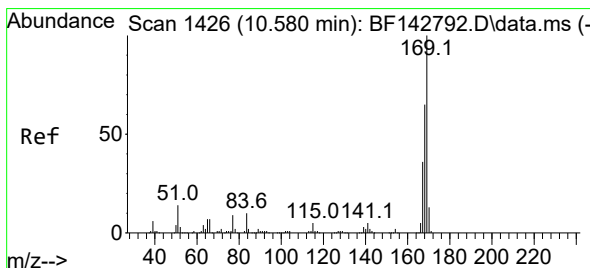
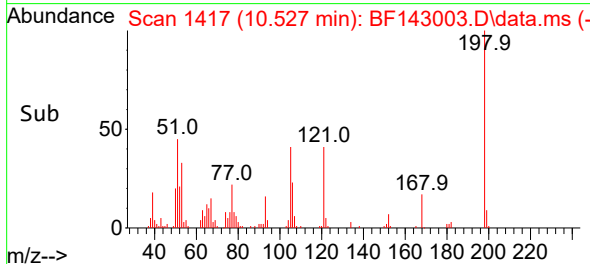
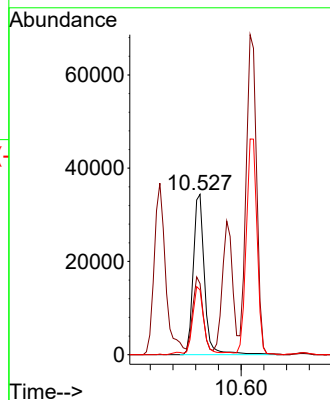
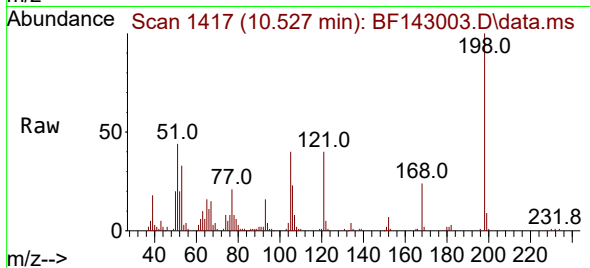




#65
4,6-Dinitro-2-methylphenol
Concen: 39.944 ng
RT: 10.527 min Scan# 1416
Delta R.T. 0.006 min
Lab File: BF143003.D
Acq: 07 Jul 2025 12:12

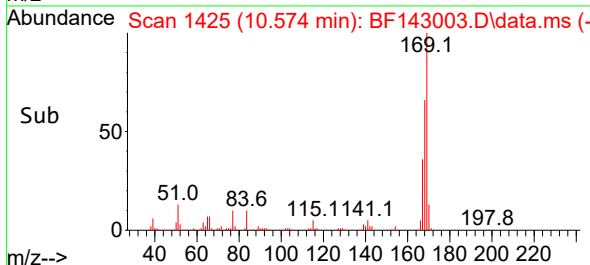
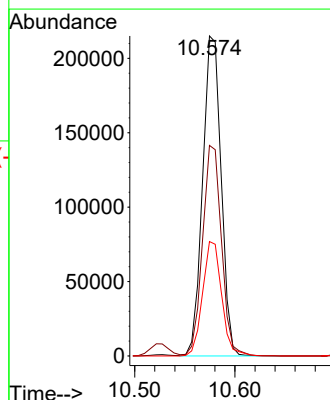
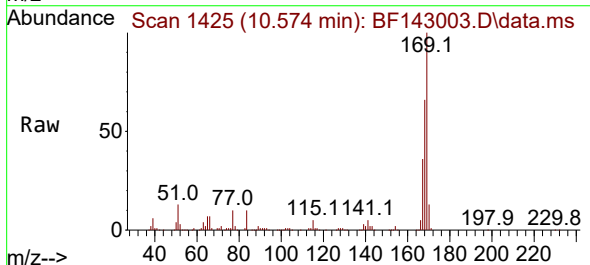
Instrument :
BNA_F
ClientSampleId :
SSTDCCC040

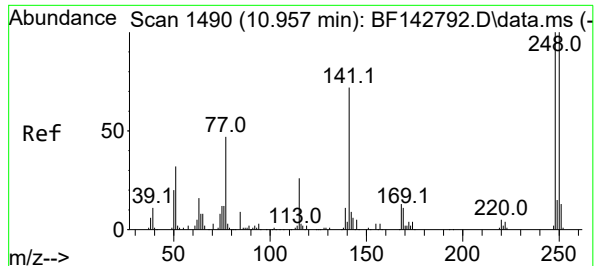
Tgt Ion:198 Resp: 47520
Ion Ratio Lower Upper
198 100
51 44.4 25.4 65.4
105 40.4 20.4 60.4



#66
n-Nitrosodiphenylamine
Concen: 40.625 ng
RT: 10.574 min Scan# 1425
Delta R.T. -0.006 min
Lab File: BF143003.D
Acq: 07 Jul 2025 12:12

Tgt Ion:169 Resp: 276920
Ion Ratio Lower Upper
169 100
168 65.8 51.9 77.9
167 35.7 28.5 42.7

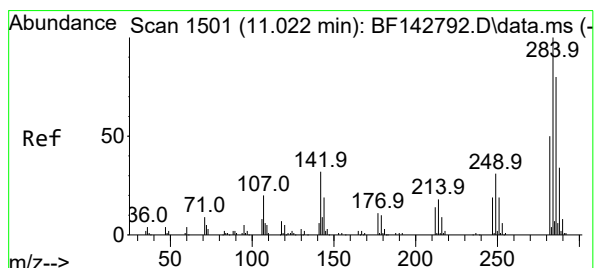
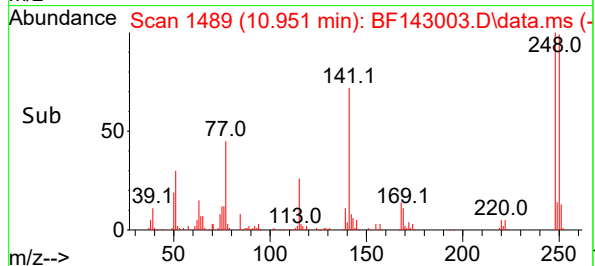
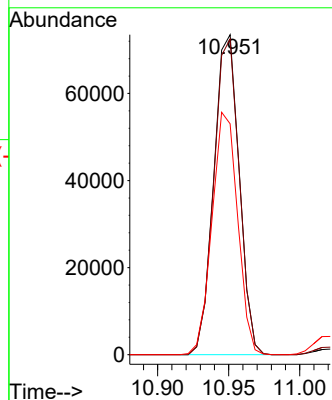
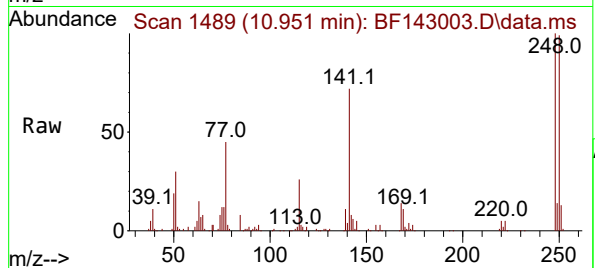




#67
4-Bromophenyl-phenylether
Concen: 40.831 ng
RT: 10.951 min Scan# 1490
Delta R.T. -0.006 min
Lab File: BF143003.D
Acq: 07 Jul 2025 12:12

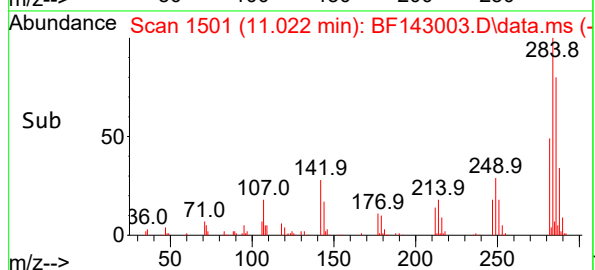
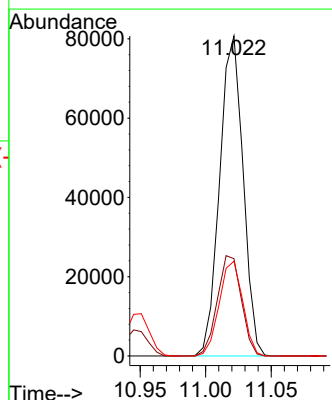
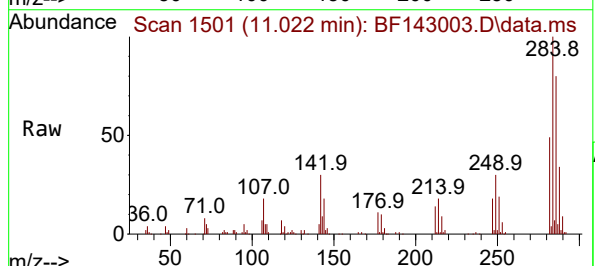
Instrument :
BNA_F
ClientSampleId :
SSTDCCC040

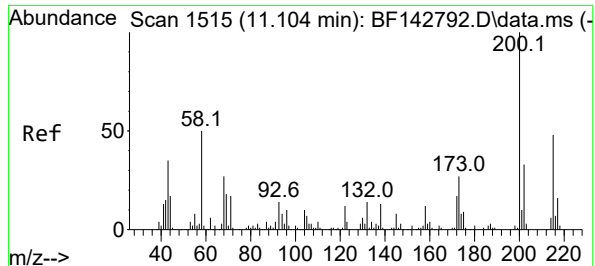
Tgt Ion:248 Resp: 91397
Ion Ratio Lower Upper
248 100
250 98.7 79.8 119.8
141 72.2 57.8 86.6



#68
Hexachlorobenzene
Concen: 40.328 ng
RT: 11.022 min Scan# 1501
Delta R.T. 0.000 min
Lab File: BF143003.D
Acq: 07 Jul 2025 12:12

Tgt Ion:284 Resp: 100307
Ion Ratio Lower Upper
284 100
142 30.4 25.5 38.3
249 29.6 24.9 37.3





#69

Atrazine

Concen: 41.168 ng

RT: 11.104 min Scan# 1

Delta R.T. -0.000 min

Lab File: BF143003.D

Acq: 07 Jul 2025 12:12

Instrument :

BNA_F

ClientSampleId :

SSTDCCC040

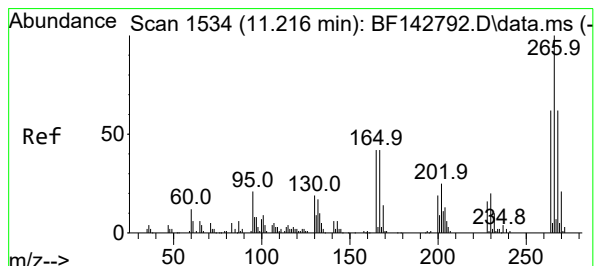
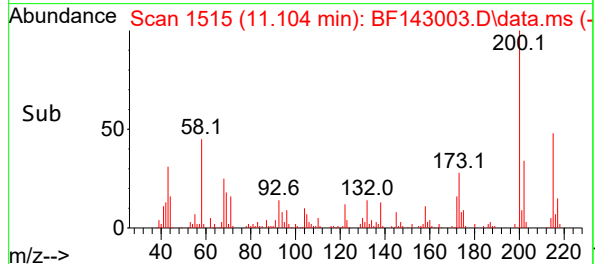
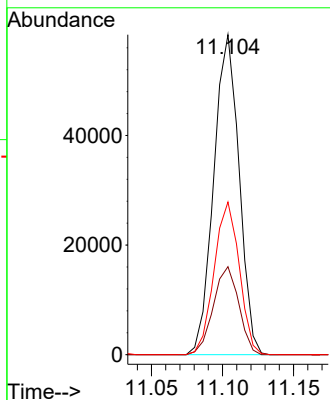
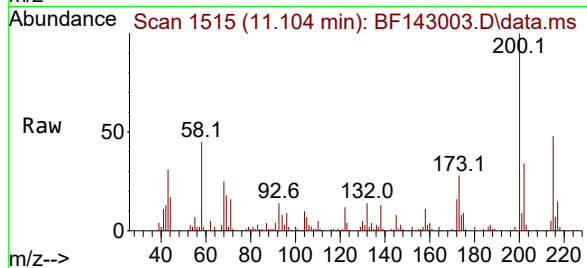
Tgt Ion:200 Resp: 72466

Ion Ratio Lower Upper

200 100

173 27.5 7.4 47.4

215 47.7 28.4 68.4



#70

Pentachlorophenol

Concen: 45.495 ng

RT: 11.222 min Scan# 1535

Delta R.T. 0.006 min

Lab File: BF143003.D

Acq: 07 Jul 2025 12:12

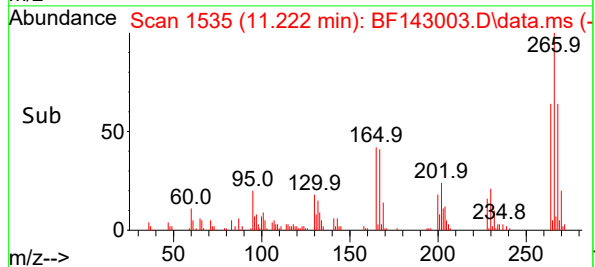
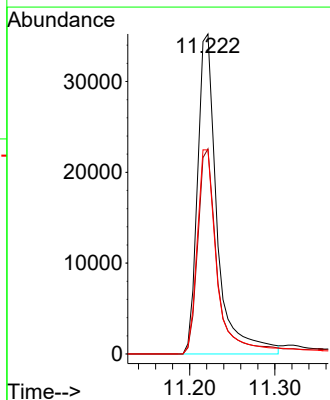
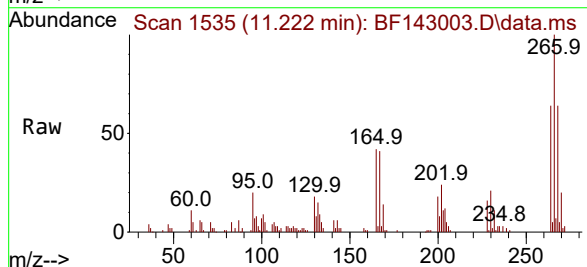
Tgt Ion:266 Resp: 56387

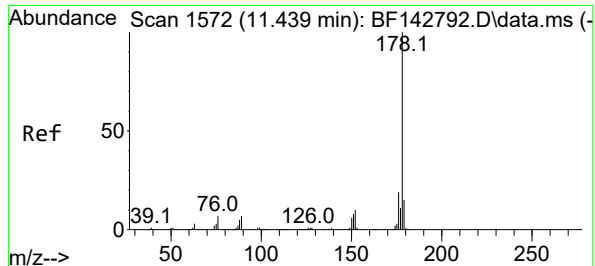
Ion Ratio Lower Upper

266 100

268 64.1 49.8 74.8

264 63.8 49.9 74.9

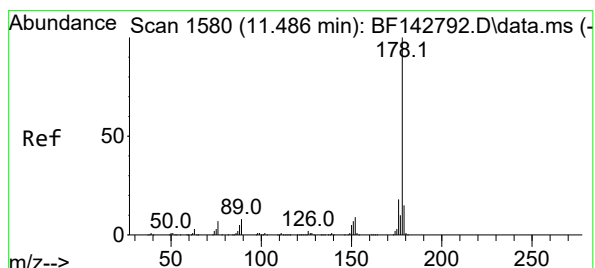
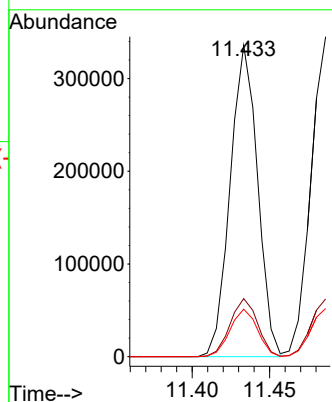
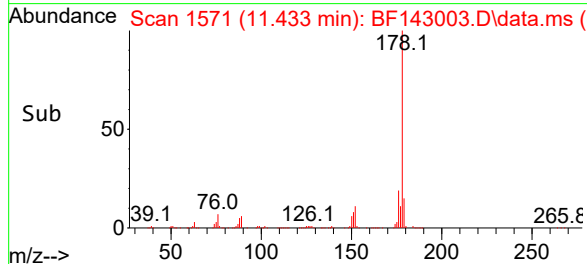
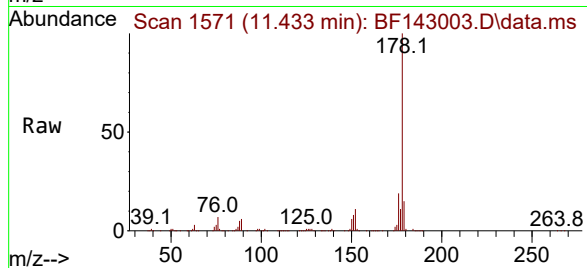




#71
Phenanthrene
Concen: 38.776 ng
RT: 11.433 min Scan# 1572
Delta R.T. -0.006 min
Lab File: BF143003.D
Acq: 07 Jul 2025 12:12

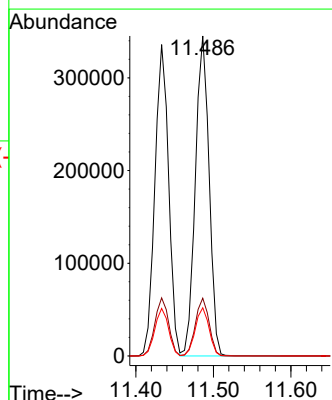
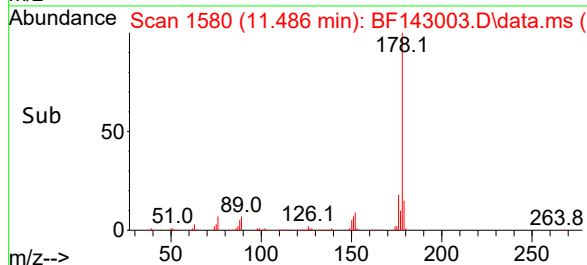
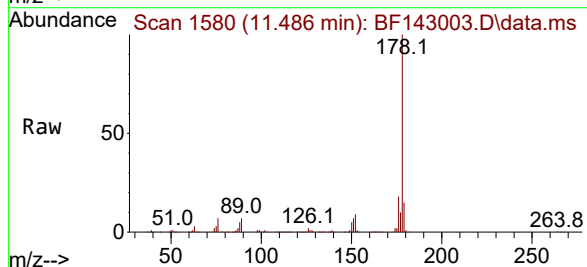
Instrument :
BNA_F
ClientSampleId :
SSTDCCC040

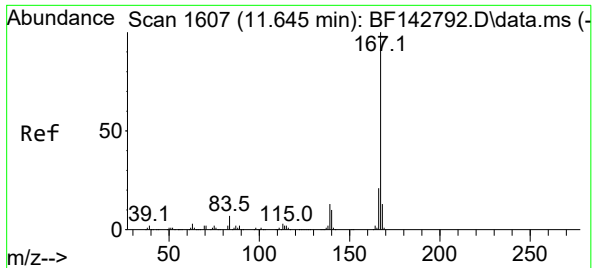
Tgt Ion:178 Resp: 413131
Ion Ratio Lower Upper
178 100
176 18.7 15.1 22.7
179 15.3 12.0 18.0



#72
Anthracene
Concen: 38.930 ng
RT: 11.486 min Scan# 1580
Delta R.T. -0.000 min
Lab File: BF143003.D
Acq: 07 Jul 2025 12:12

Tgt Ion:178 Resp: 425385
Ion Ratio Lower Upper
178 100
176 18.1 14.6 21.8
179 15.1 12.4 18.6

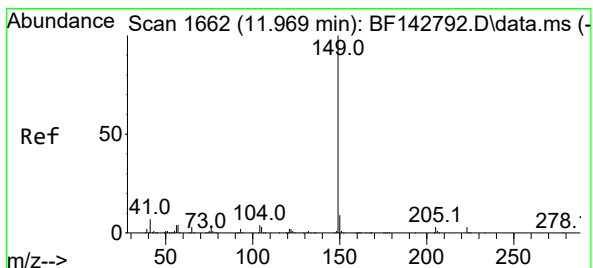
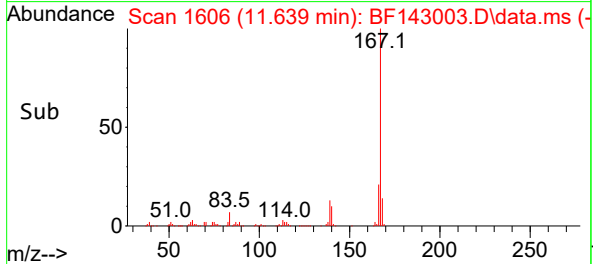
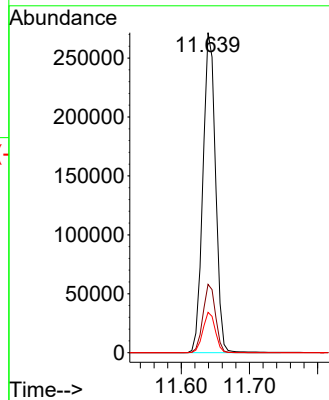
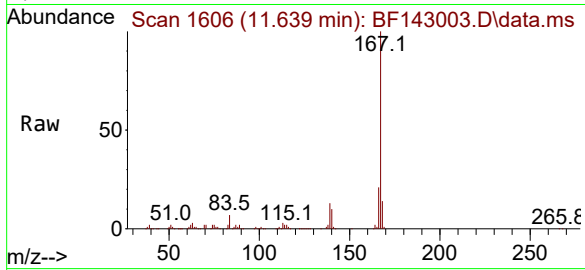




#73
 Carbazole
 Concen: 37.050 ng
 RT: 11.639 min Scan# 1606
 Delta R.T. -0.006 min
 Lab File: BF143003.D
 Acq: 07 Jul 2025 12:12

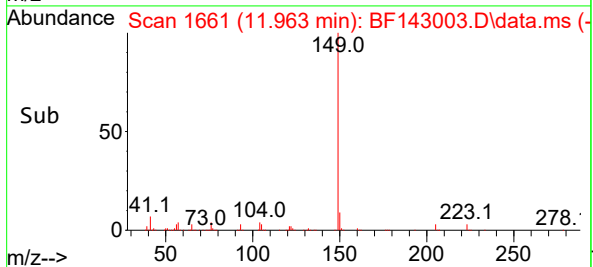
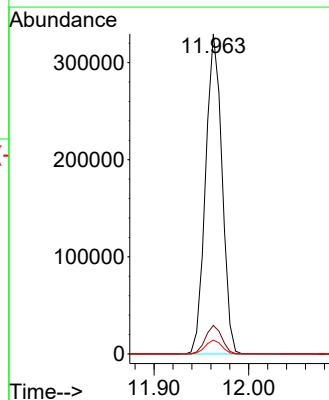
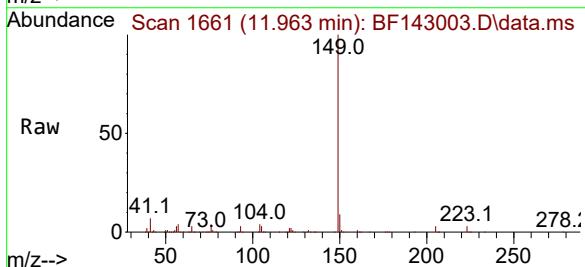
Instrument :
 BNA_F
 ClientSampleId :
 SSTDCCC040

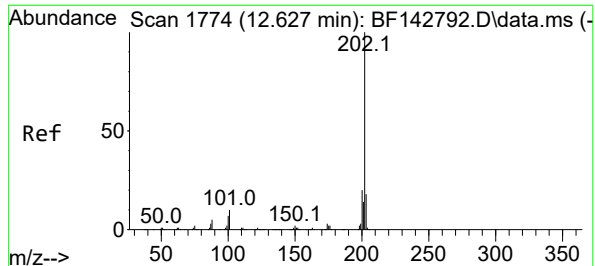
Tgt Ion:167 Resp: 349364
 Ion Ratio Lower Upper
 167 100
 166 21.4 17.0 25.4
 139 12.6 10.2 15.2



#74
 Di-n-butylphthalate
 Concen: 40.464 ng
 RT: 11.963 min Scan# 1661
 Delta R.T. -0.006 min
 Lab File: BF143003.D
 Acq: 07 Jul 2025 12:12

Tgt Ion:149 Resp: 397485
 Ion Ratio Lower Upper
 149 100
 150 8.9 7.4 11.0
 104 4.4 3.5 5.3





#75

Fluoranthene

Concen: 36.315 ng

RT: 12.627 min Scan# 11

Delta R.T. -0.000 min

Lab File: BF143003.D

Acq: 07 Jul 2025 12:12

Instrument :

BNA_F

ClientSampleId :

SSTDCCC040

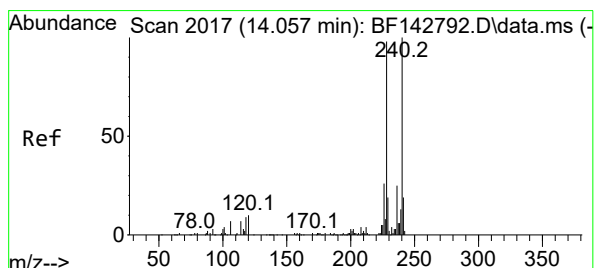
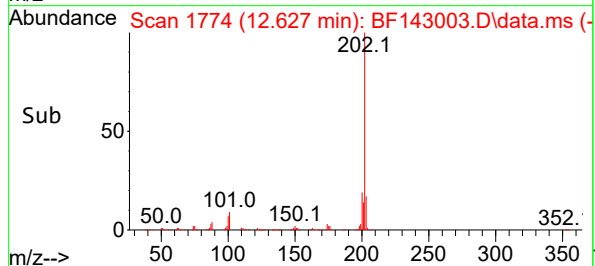
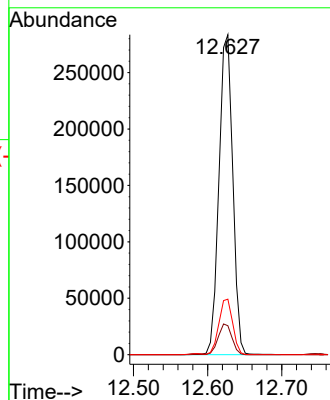
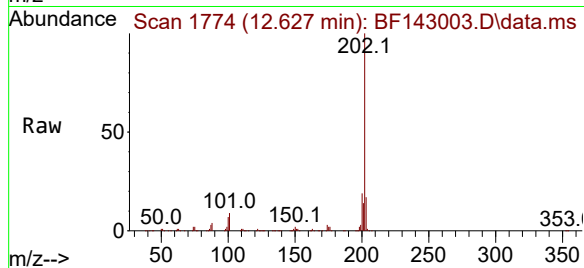
Tgt Ion:202 Resp: 367194

Ion Ratio Lower Upper

202 100

101 9.1 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: BF143003.D

Acq: 07 Jul 2025 12:12

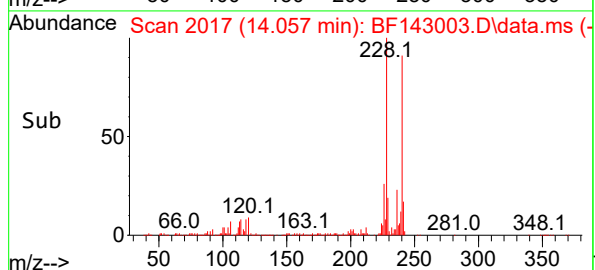
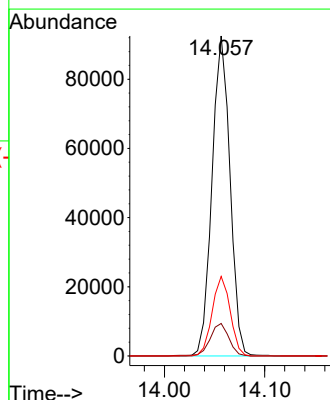
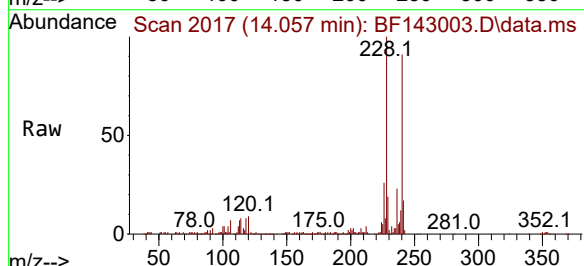
Tgt Ion:240 Resp: 115356

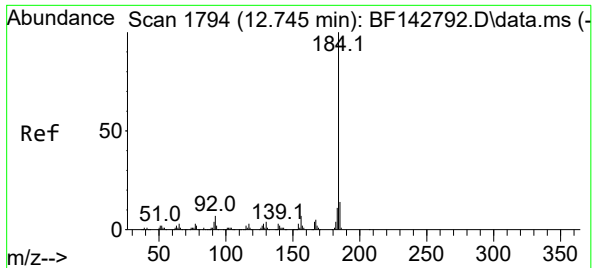
Ion Ratio Lower Upper

240 100

120 10.2 8.2 12.2

236 24.8 19.8 29.8

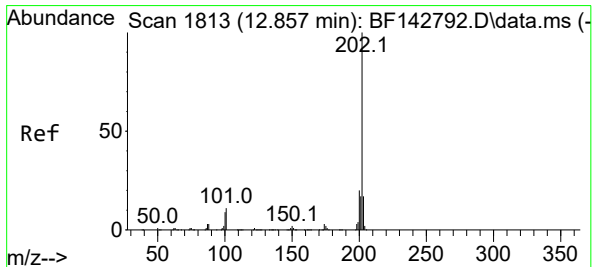
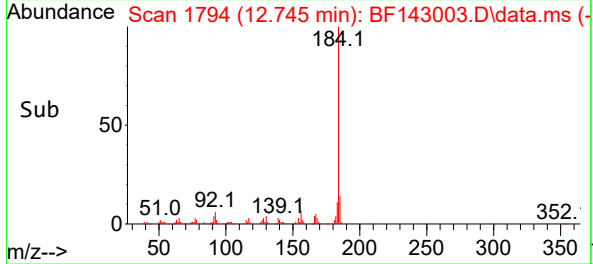
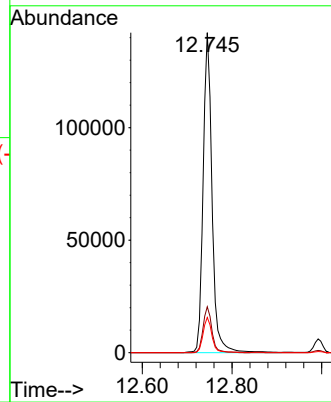
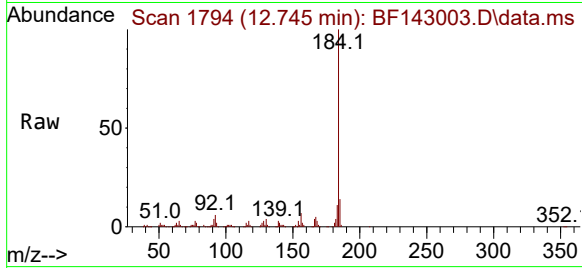




#77
Benzidine
Concen: 45.269 ng
RT: 12.745 min Scan# 1794
Delta R.T. 0.000 min
Lab File: BF143003.D
Acq: 07 Jul 2025 12:12

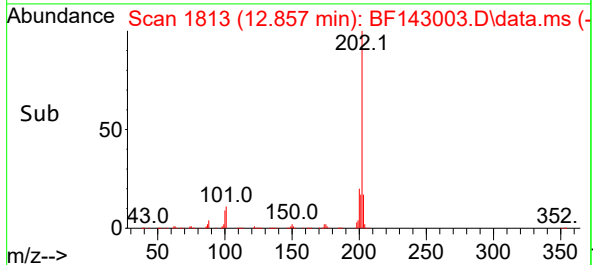
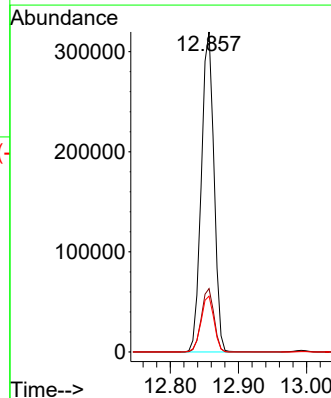
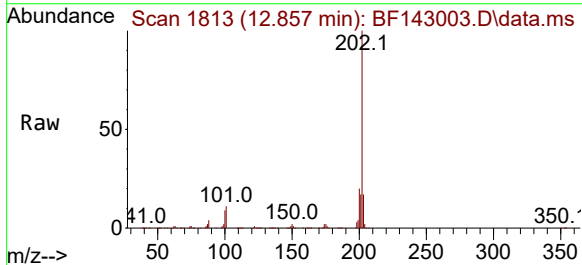
Instrument :
BNA_F
ClientSampleId :
SSTDCCC040

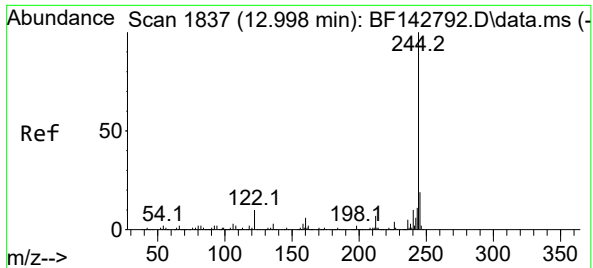
Tgt Ion:184 Resp: 196199
Ion Ratio Lower Upper
184 100
185 14.4 11.5 17.3
183 11.0 9.0 13.4



#78
Pyrene
Concen: 38.016 ng
RT: 12.857 min Scan# 1813
Delta R.T. -0.000 min
Lab File: BF143003.D
Acq: 07 Jul 2025 12:12

Tgt Ion:202 Resp: 411055
Ion Ratio Lower Upper
202 100
200 19.8 15.7 23.5
203 17.5 13.8 20.6





#79

Terphenyl-d14

Concen: 72.831 ng

RT: 12.992 min Scan# 1836

Delta R.T. -0.006 min

Lab File: BF143003.D

Acq: 07 Jul 2025 12:12

Instrument :

BNA_F

ClientSampleId :

SSTDCCC040

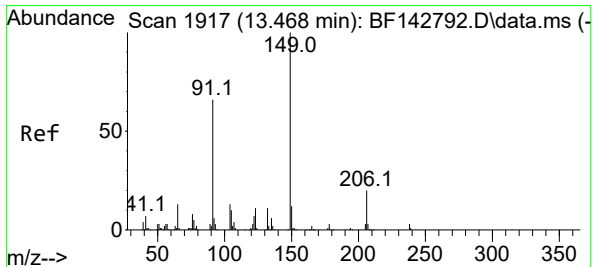
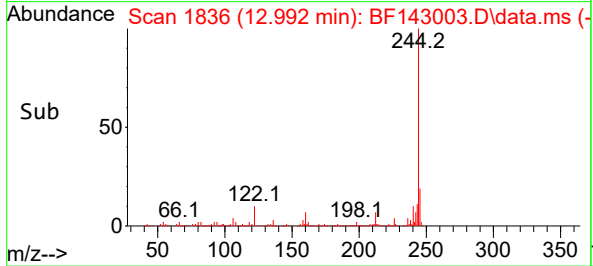
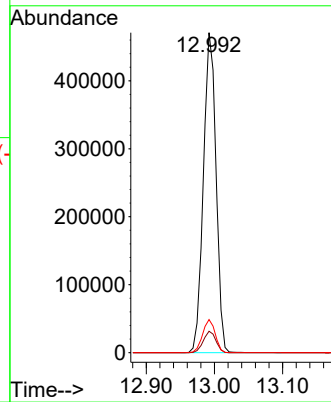
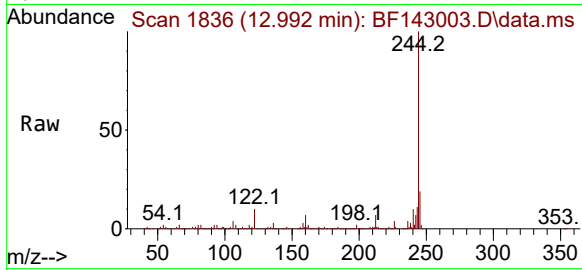
Tgt Ion:244 Resp: 608057

Ion Ratio Lower Upper

244 100

212 6.7 5.4 8.0

122 10.4 8.2 12.2



#80

Butylbenzylphthalate

Concen: 44.276 ng

RT: 13.463 min Scan# 1916

Delta R.T. -0.006 min

Lab File: BF143003.D

Acq: 07 Jul 2025 12:12

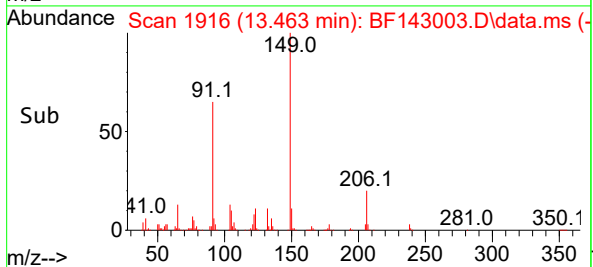
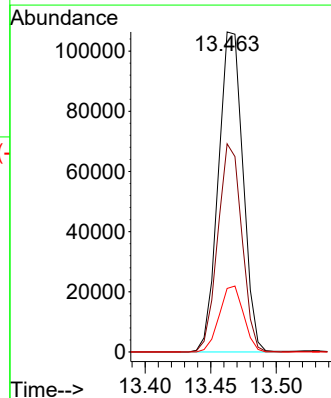
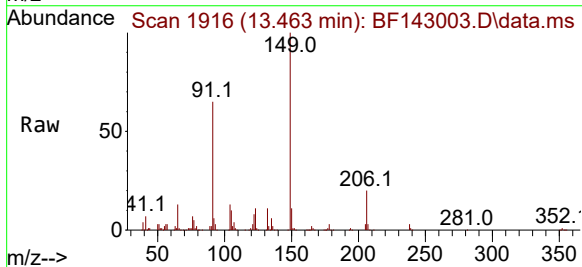
Tgt Ion:149 Resp: 138872

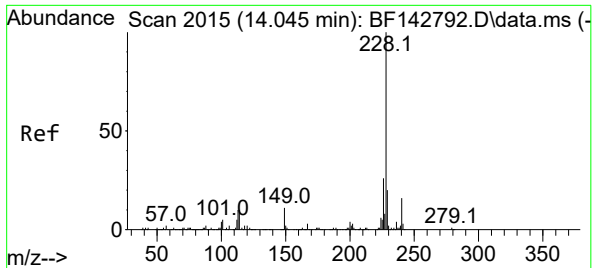
Ion Ratio Lower Upper

149 100

91 65.0 52.9 79.3

206 19.9 16.3 24.5





#81

Benzo(a)anthracene

Concen: 39.108 ng

RT: 14.045 min Scan# 2015

Delta R.T. 0.000 min

Lab File: BF143003.D

Acq: 07 Jul 2025 12:12

Instrument :

BNA_F

ClientSampleId :

SSTDCCC040

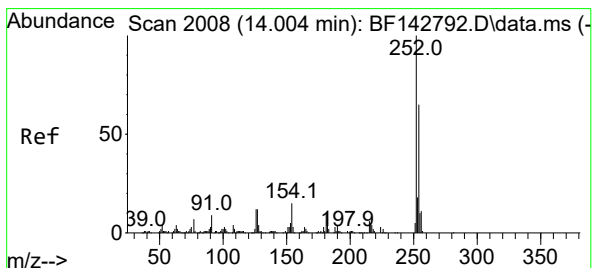
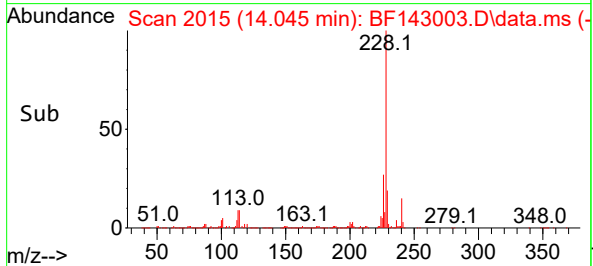
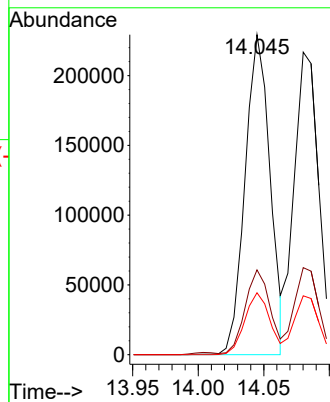
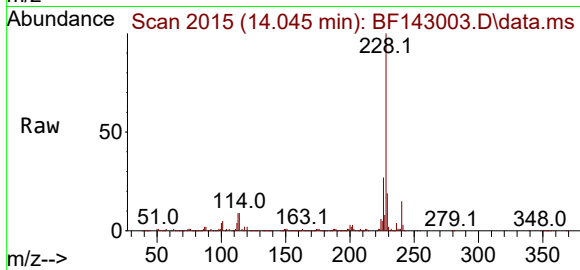
Tgt Ion:228 Resp: 304337

Ion Ratio Lower Upper

228 100

226 26.5 21.2 31.8

229 19.4 15.6 23.4



#82

3,3'-Dichlorobenzidine

Concen: 43.913 ng

RT: 14.004 min Scan# 2008

Delta R.T. -0.000 min

Lab File: BF143003.D

Acq: 07 Jul 2025 12:12

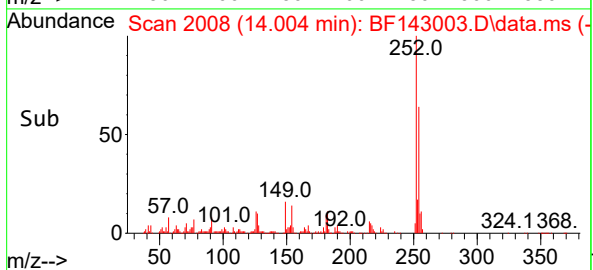
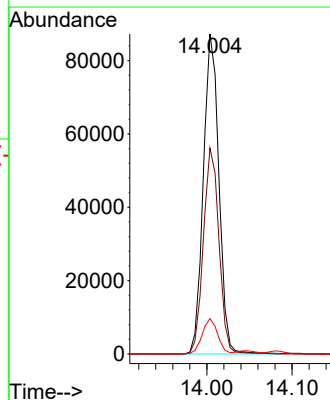
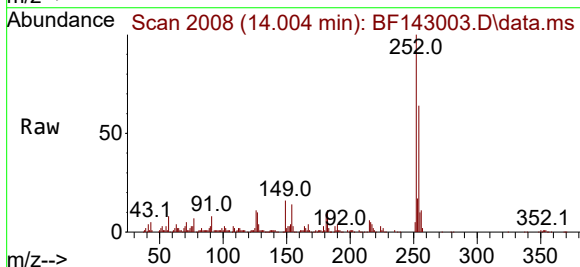
Tgt Ion:252 Resp: 110843

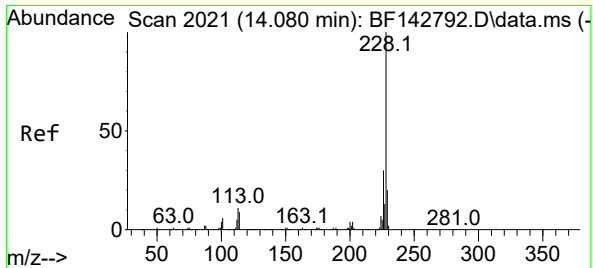
Ion Ratio Lower Upper

252 100

254 64.3 51.7 77.5

126 11.1 9.4 14.2





#83

Chrysene

Concen: 40.410 ng

RT: 14.080 min Scan# 2011

Delta R.T. -0.000 min

Lab File: BF143003.D

Acq: 07 Jul 2025 12:12

Instrument :

BNA_F

ClientSampleId :

SSTDCCC040

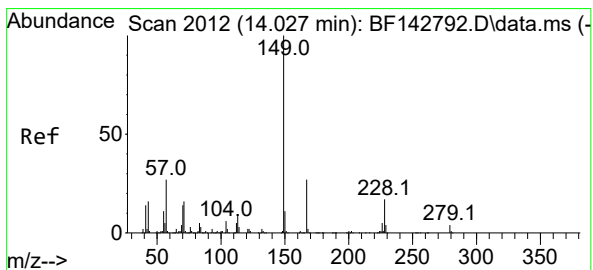
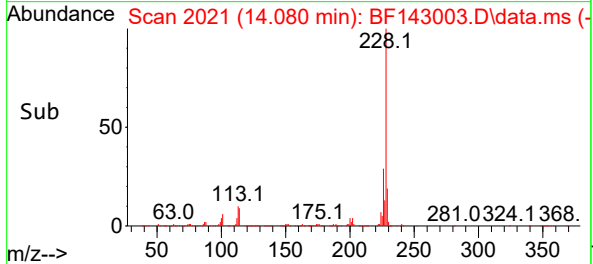
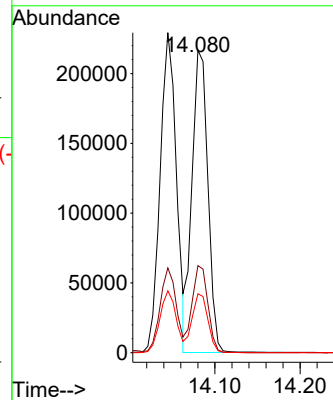
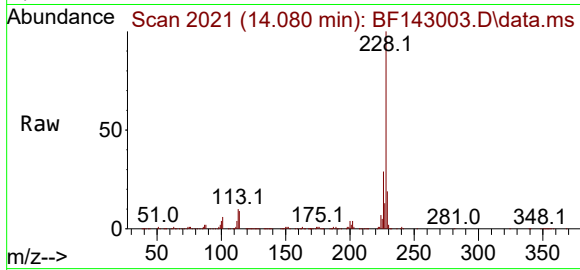
Tgt Ion:228 Resp: 280610

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: 46.985 ng

RT: 14.021 min Scan# 2011

Delta R.T. -0.006 min

Lab File: BF143003.D

Acq: 07 Jul 2025 12:12

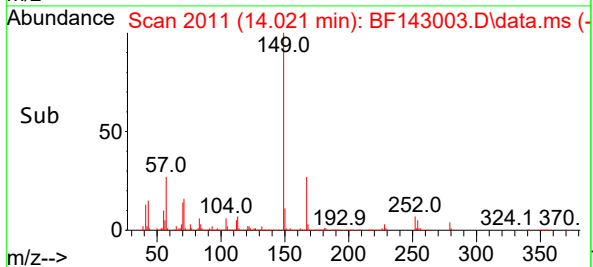
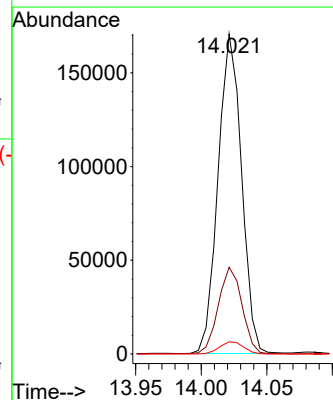
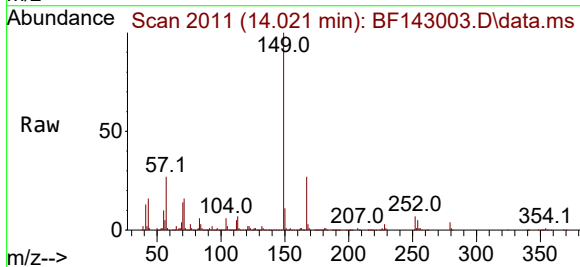
Tgt Ion:149 Resp: 212032

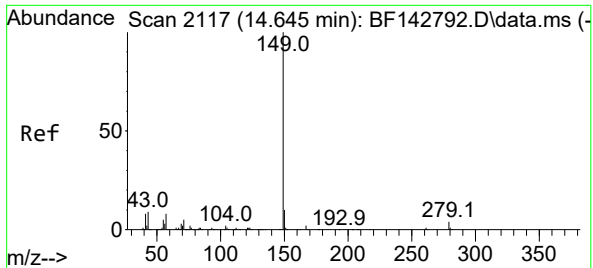
Ion Ratio Lower Upper

149 100

167 27.1 21.4 32.0

279 3.8 3.0 4.6

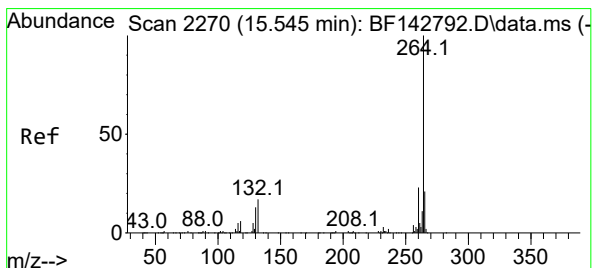
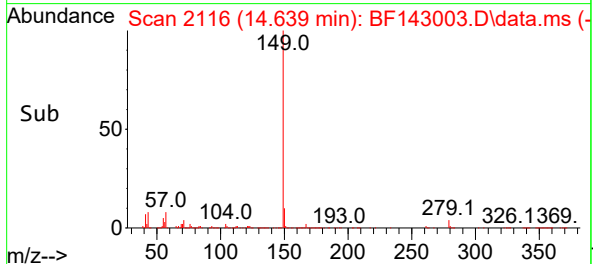
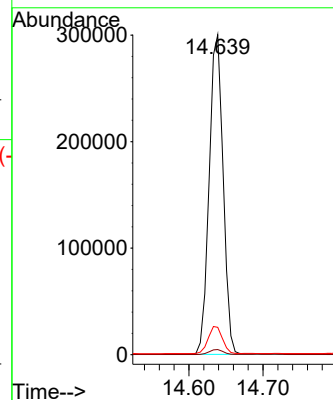
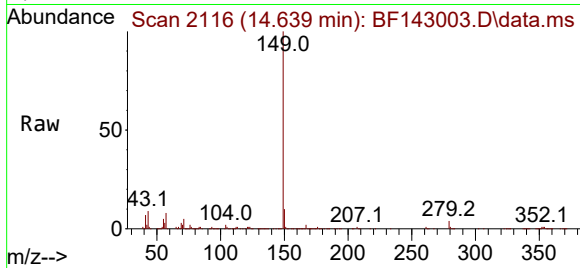




#85
Di-n-octyl phthalate
Concen: 46.235 ng
RT: 14.639 min Scan# 2116
Delta R.T. -0.006 min
Lab File: BF143003.D
Acq: 07 Jul 2025 12:12

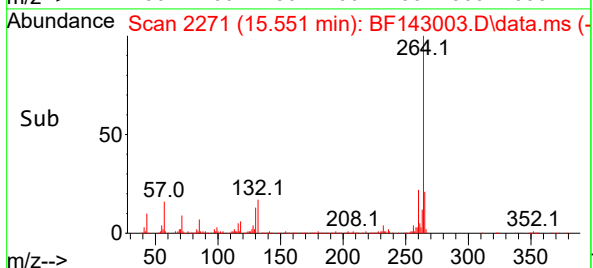
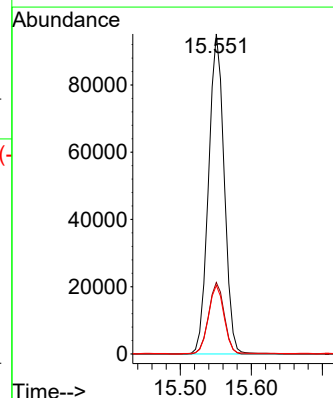
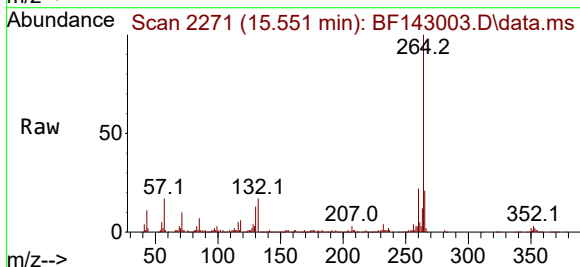
Instrument :
BNA_F
ClientSampleId :
SSTDCCC040

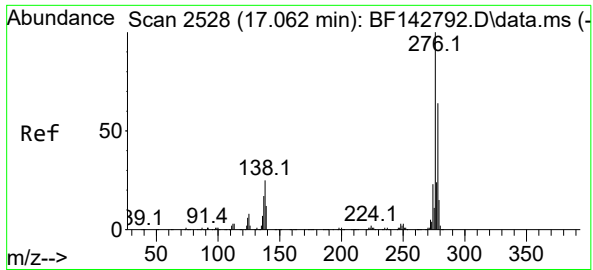
Tgt Ion:149 Resp: 393425
Ion Ratio Lower Upper
149 100
167 1.5 1.3 1.9
43 8.5 7.6 11.4



#86
Perylene-d12
Concen: 20.000 ng
RT: 15.551 min Scan# 2271
Delta R.T. 0.006 min
Lab File: BF143003.D
Acq: 07 Jul 2025 12:12

Tgt Ion:264 Resp: 146144
Ion Ratio Lower Upper
264 100
260 22.4 18.1 27.1
265 21.4 16.6 25.0

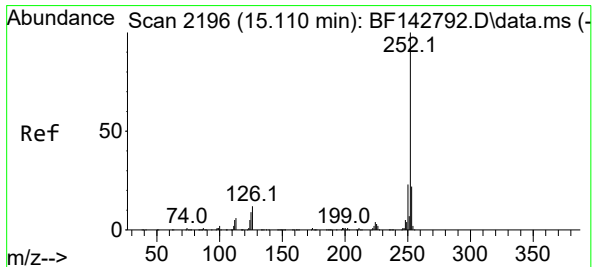
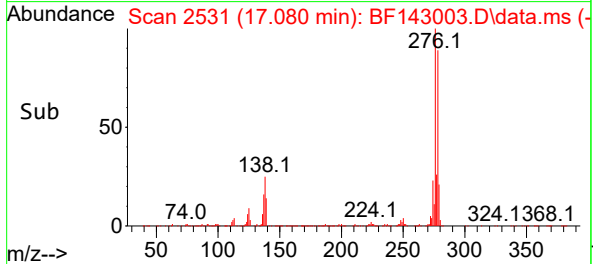
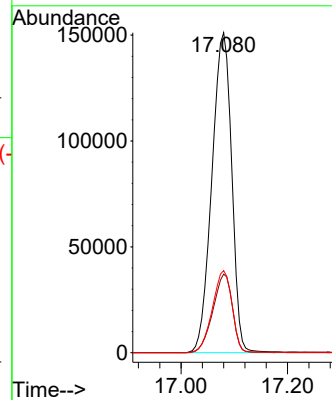
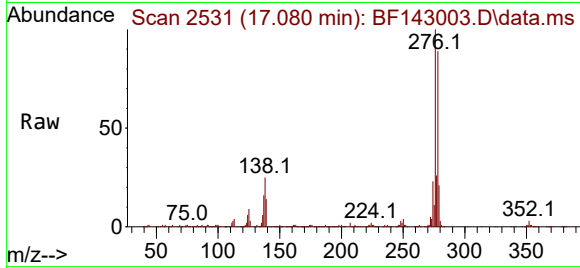




#87
Indeno(1,2,3-cd)pyrene
Concen: 35.035 ng
RT: 17.080 min Scan# 2196
Delta R.T. 0.018 min
Lab File: BF143003.D
Acq: 07 Jul 2025 12:12

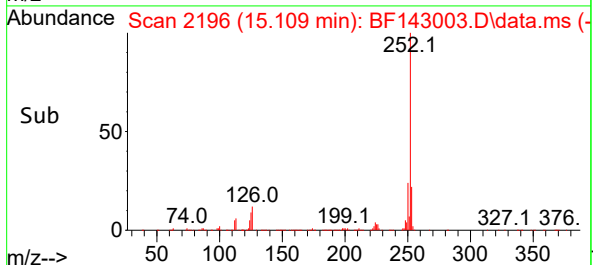
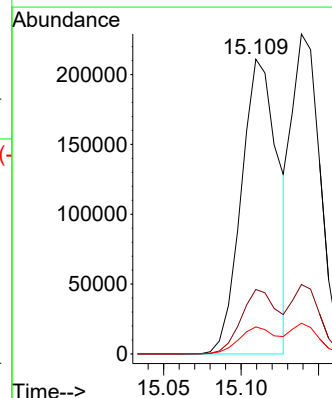
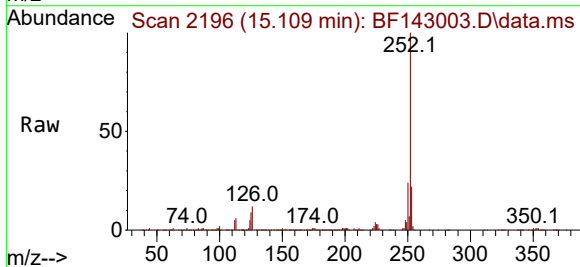
Instrument :
BNA_F
ClientSampleId :
SSTDCCC040

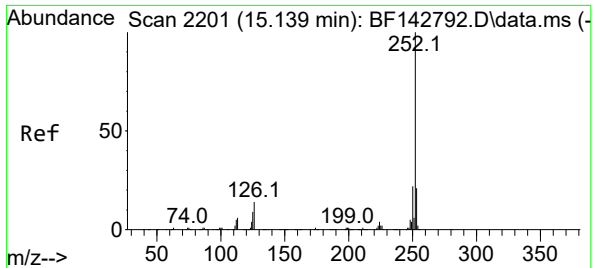
Tgt Ion:276 Resp: 390002
Ion Ratio Lower Upper
276 100
138 24.2 20.2 30.4
277 25.4 19.8 29.6



#88
Benzo(b)fluoranthene
Concen: 41.097 ng
RT: 15.109 min Scan# 2196
Delta R.T. -0.000 min
Lab File: BF143003.D
Acq: 07 Jul 2025 12:12

Tgt Ion:252 Resp: 347540
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: 36.941 ng

RT: 15.139 min Scan# 21

Delta R.T. -0.000 min

Lab File: BF143003.D

Acq: 07 Jul 2025 12:12

Instrument :

BNA_F

ClientSampleId :

SSTDCCC040

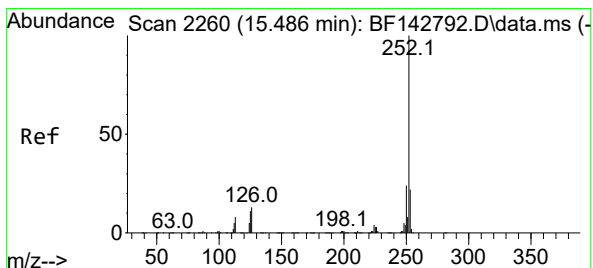
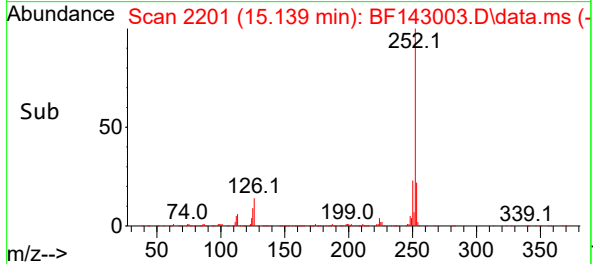
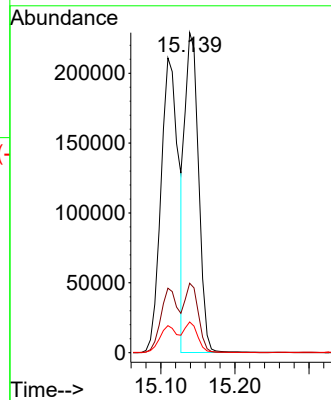
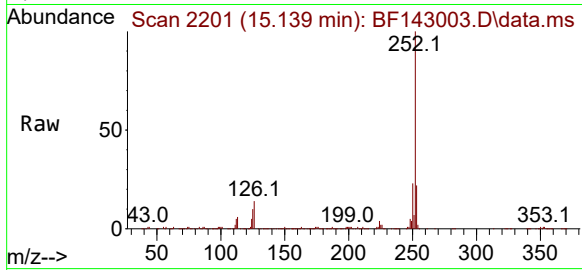
Tgt Ion:252 Resp: 292264

Ion Ratio Lower Upper

252 100

253 21.7 17.2 25.8

125 9.6 7.4 11.2



#90

Benzo(a)pyrene

Concen: 39.319 ng

RT: 15.492 min Scan# 2261

Delta R.T. 0.006 min

Lab File: BF143003.D

Acq: 07 Jul 2025 12:12

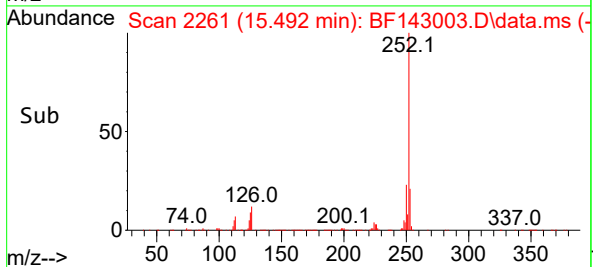
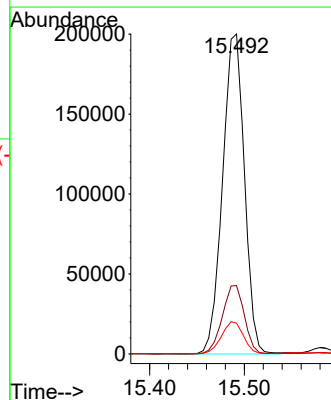
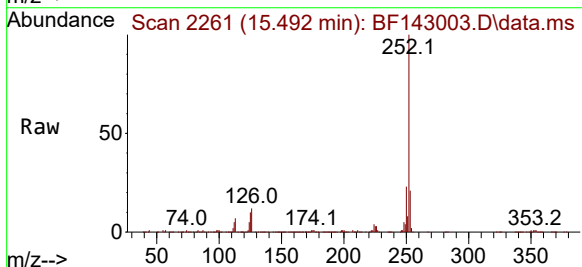
Tgt Ion:252 Resp: 321220

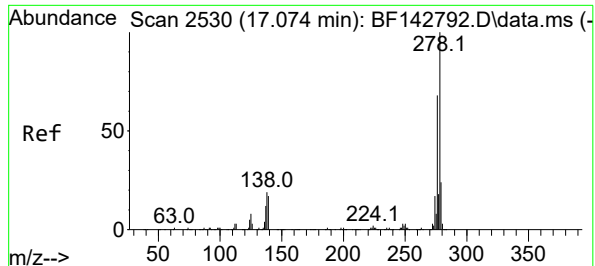
Ion Ratio Lower Upper

252 100

253 21.4 17.5 26.3

125 9.6 8.6 12.8





#91

Dibenzo(a,h)anthracene

Concen: 35.535 ng

RT: 17.086 min Scan# 21

Delta R.T. 0.012 min

Lab File: BF143003.D

Acq: 07 Jul 2025 12:12

Instrument :

BNA_F

ClientSampleId :

SSTDCCC040

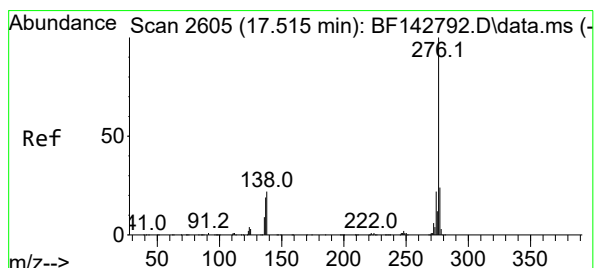
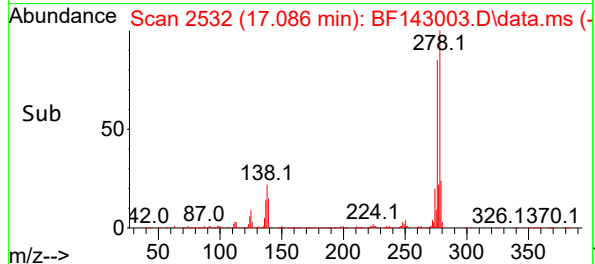
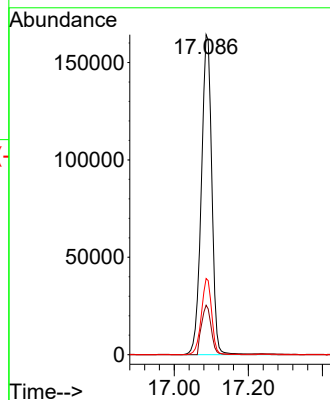
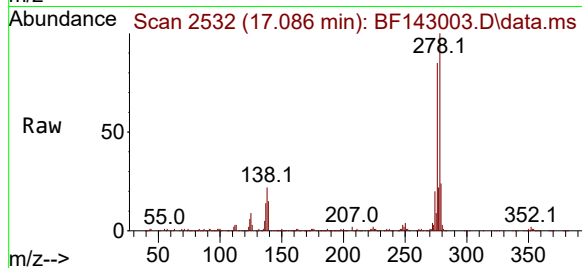
Tgt Ion:278 Resp: 321404

Ion Ratio Lower Upper

278 100

139 15.5 13.5 20.3

279 23.8 18.8 28.2



#92

Benzo(g,h,i)perylene

Concen: 33.820 ng

RT: 17.539 min Scan# 2609

Delta R.T. 0.024 min

Lab File: BF143003.D

Acq: 07 Jul 2025 12:12

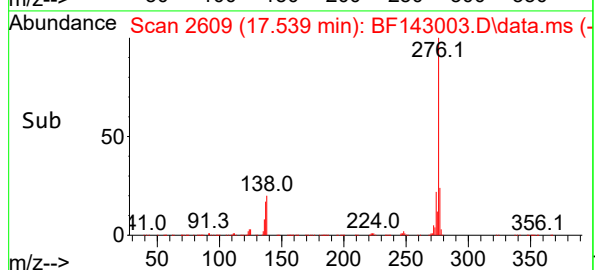
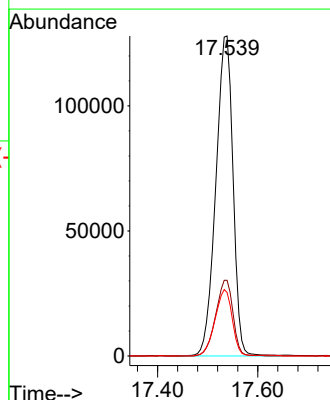
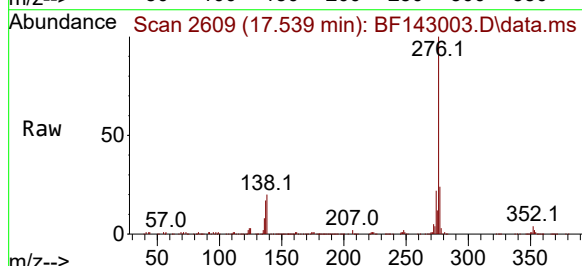
Tgt Ion:276 Resp: 305022

Ion Ratio Lower Upper

276 100

277 23.6 18.8 28.2

138 19.9 17.6 26.4



Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF070725\
 Data File : BF143003.D
 Acq On : 07 Jul 2025 12:12
 Operator : RC/JU
 Sample : SSTDCCC040
 Misc :
 ALS Vial : 2 Sample Multiplier: 1

Instrument :
 BNA_F
 LabSampleId :
 SSTDCCC040

Quant Time: Jul 07 13:00:45 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	79	0.00
2	1,4-Dioxane	0.480	0.430	10.4	74	-0.02
3	Pyridine	1.205	1.105	8.3	75	-0.02
4	n-Nitrosodimethylamine	0.623	0.563	9.6	75	-0.01
5 S	2-Fluorophenol	1.201	1.159	3.5	80	0.00
6	Aniline	1.886	1.795	4.8	78	0.00
7 S	Phenol-d6	1.417	1.363	3.8	81	0.00
8	2-Chlorophenol	1.296	1.244	4.0	79	0.00
9	Benzaldehyde	0.841	0.897	-6.7	94	0.00
10 C	Phenol	1.575	1.512	4.0	79	0.00
11	bis(2-Chloroethyl)ether	1.126	1.086	3.6	80	0.00
12	1,3-Dichlorobenzene	1.449	1.405	3.0	81	0.00
13 C	1,4-Dichlorobenzene	1.462	1.433	2.0	81	0.00
14	1,2-Dichlorobenzene	1.387	1.346	3.0	80	0.00
15	Benzyl Alcohol	1.025	1.008	1.7	82	0.00
16	2,2'-oxybis(1-Chloropropane	1.809	1.645	9.1	76	0.00
17	2-Methylphenol	0.982	0.979	0.3	83	0.00
18	Hexachloroethane	0.511	0.506	1.0	80	0.00
19 P	n-Nitroso-di-n-propylamine	0.824	0.811	1.6	82	0.00
20	3+4-Methylphenols	1.224	1.224	0.0	82	0.00
21 I	Naphthalene-d8	1.000	1.000	0.0	80	0.00
22	Acetophenone	0.441	0.434	1.6	83	0.00
23 S	Nitrobenzene-d5	0.365	0.385	-5.5	87	0.00
24	Nitrobenzene	0.330	0.319	3.3	80	0.00
25	Isophorone	0.585	0.566	3.2	81	0.00
26 C	2-Nitrophenol	0.180	0.184	-2.2	83	0.00
27	2,4-Dimethylphenol	0.311	0.300	3.5	80	0.00
28	bis(2-Chloroethoxy)methane	0.372	0.368	1.1	83	0.00
29 C	2,4-Dichlorophenol	0.282	0.278	1.4	81	0.00
30	1,2,4-Trichlorobenzene	0.310	0.307	1.0	82	0.00
31	Naphthalene	0.979	0.963	1.6	82	0.00
32	Benzoic acid	0.159	0.137	13.8	70	0.01
33	4-Chloroaniline	0.398	0.370	7.0	78	0.00
34 C	Hexachlorobutadiene	0.190	0.191	-0.5	83	0.00
35	Caprolactam	0.075	0.072	4.0	80	0.00
36 C	4-Chloro-3-methylphenol	0.281	0.276	1.8	82	0.00
37	2-Methylnaphthalene	0.607	0.593	2.3	82	0.00
38	1-Methylnaphthalene	0.628	0.611	2.7	82	0.00
39 I	Acenaphthene-d10	1.000	1.000	0.0	79	0.00
40	1,2,4,5-Tetrachlorobenzene	0.590	0.592	-0.3	84	0.00
41 P	Hexachlorocyclopentadiene	0.335	0.343	-2.4	81	0.00
42 S	2,4,6-Tribromophenol	0.206	0.187	9.2	74	0.00
43 C	2,4,6-Trichlorophenol	0.385	0.364	5.5	79	0.00
44	2,4,5-Trichlorophenol	0.405	0.378	6.7	77	0.00
45 S	2-Fluorobiphenyl	1.522	1.599	-5.1	89	0.00
46	1,1'-Biphenyl	1.580	1.546	2.2	81	0.00
47	2-Chloronaphthalene	1.186	1.160	2.2	81	0.00

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF070725\
 Data File : BF143003.D
 Acq On : 07 Jul 2025 12:12
 Operator : RC/JU
 Sample : SSTDCCC040
 Misc :
 ALS Vial : 2 Sample Multiplier: 1

Instrument :
 BNA_F
 LabSampleId :
 SSTDCCC040

Quant Time: Jul 07 13:00:45 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	0.322	3.0	79	0.00
49	Acenaphthylene	1.952	1.905	2.4	81	0.00
50	Dimethylphthalate	1.295	1.251	3.4	81	0.00
51	2,6-Dinitrotoluene	0.284	0.276	2.8	79	0.00
52 C	Acenaphthene	1.191	1.193	-0.2	83	0.00
53	3-Nitroaniline	0.313	0.297	5.1	78	0.00
54 P	2,4-Dinitrophenol	0.142	0.169	-19.0	94	0.01
55	Dibenzofuran	1.708	1.645	3.7	80	0.00
56 P	4-Nitrophenol	0.214	0.207	3.3	79	0.01
57	2,4-Dinitrotoluene	0.378	0.360	4.8	78	0.00
58	Fluorene	1.334	1.274	4.5	80	0.00
59	2,3,4,6-Tetrachlorophenol	0.326	0.293	10.1	75	0.00
60	Diethylphthalate	1.269	1.220	3.9	80	0.00
61	4-Chlorophenyl-phenylether	0.636	0.616	3.1	82	0.00
62	4-Nitroaniline	0.286	0.265	7.3	77	0.00
63	Azobenzene	1.134	1.072	5.5	79	0.00
64 I	Phenanthrene-d10	1.000	1.000	0.0	75	0.00
65	4,6-Dinitro-2-methylphenol	0.121	0.121	0.0	76	0.00
66 c	n-Nitrosodiphenylamine	0.693	0.704	-1.6	78	0.00
67	4-Bromophenyl-phenylether	0.228	0.232	-1.8	80	0.00
68	Hexachlorobenzene	0.253	0.255	-0.8	79	0.00
69	Atrazine	0.179	0.184	-2.8	79	0.00
70 C	Pentachlorophenol	0.126	0.143	-13.5	85	0.00
71	Phenanthrene	1.083	1.050	3.0	76	0.00
72	Anthracene	1.111	1.081	2.7	76	0.00
73	Carbazole	0.959	0.888	7.4	74	0.00
74	Di-n-butylphthalate	0.999	1.010	-1.1	80	0.00
75 C	Fluoranthene	1.028	0.933	9.2	73	0.00
76 I	Chrysene-d12	1.000	1.000	0.0	81	0.00
77	Benzidine	0.751	0.850	-13.2	89	0.00
78	Pyrene	1.875	1.782	5.0	83	0.00
79 S	Terphenyl-d14	1.447	1.318	8.9	80	0.00
80	Butylbenzylphthalate	0.544	0.602	-10.7	89	0.00
81	Benzo(a)anthracene	1.349	1.319	2.2	84	0.00
82	3,3'-Dichlorobenzidine	0.438	0.480	-9.6	91	0.00
83	Chrysene	1.204	1.216	-1.0	85	0.00
84	Bis(2-ethylhexyl)phthalate	0.782	0.919	-17.5	93	0.00
85 c	Di-n-octyl phthalate	1.475	1.705	-15.6	94	0.00
86 I	Perylene-d12	1.000	1.000	0.0	86	0.00
87	Indeno(1,2,3-cd)pyrene	1.523	1.334	12.4	78	0.02
88	Benzo(b)fluoranthene	1.157	1.189	-2.8	95	0.00
89	Benzo(k)fluoranthene	1.083	1.000	7.7	83	0.00
90 C	Benzo(a)pyrene	1.118	1.099	1.7	88	0.00
91	Dibenzo(a,h)anthracene	1.238	1.100	11.1	80	0.01
92	Benzo(g,h,i)perylene	1.234	1.044	15.4	75	0.02

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF070725\
Data File : BF143003.D
Acq On : 07 Jul 2025 12:12
Operator : RC/JU
Sample : SSTDCCC040
Misc :
ALS Vial : 2 Sample Multiplier: 1

Instrument :
BNA_F
LabSampleId :
SSTDCCC040

Quant Time: Jul 07 13:00:45 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\BF070725\
 Data File : BF143003.D
 Acq On : 07 Jul 2025 12:12
 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	79	0.00
2	1,4-Dioxane	40.000	35.782	10.5	74	-0.02
3	Pyridine	40.000	36.706	8.2	75	-0.02
4	n-Nitrosodimethylamine	40.000	36.176	9.6	75	-0.01
5 S	2-Fluorophenol	80.000	77.207	3.5	80	0.00
6	Aniline	40.000	38.069	4.8	78	0.00
7 S	Phenol-d6	80.000	76.939	3.8	81	0.00
8	2-Chlorophenol	40.000	38.405	4.0	79	0.00
9	Benzaldehyde	40.000	42.667	-6.7	94	0.00
10 C	Phenol	40.000	38.395	4.0	79	0.00
11	bis(2-Chloroethyl)ether	40.000	38.570	3.6	80	0.00
12	1,3-Dichlorobenzene	40.000	38.778	3.1	81	0.00
13 C	1,4-Dichlorobenzene	40.000	39.211	2.0	81	0.00
14	1,2-Dichlorobenzene	40.000	38.836	2.9	80	0.00
15	Benzyl Alcohol	40.000	39.365	1.6	82	0.00
16	2,2'-oxybis(1-Chloropropane	40.000	36.367	9.1	76	0.00
17	2-Methylphenol	40.000	39.871	0.3	83	0.00
18	Hexachloroethane	40.000	39.601	1.0	80	0.00
19 P	n-Nitroso-di-n-propylamine	40.000	39.369	1.6	82	0.00
20	3+4-Methylphenols	40.000	39.972	0.1	82	0.00
21 I	Naphthalene-d8	20.000	20.000	0.0	80	0.00
22	Acetophenone	40.000	39.346	1.6	83	0.00
23 S	Nitrobenzene-d5	80.000	84.475	-5.6	87	0.00
24	Nitrobenzene	40.000	38.630	3.4	80	0.00
25	Isophorone	40.000	38.672	3.3	81	0.00
26 C	2-Nitrophenol	40.000	41.029	-2.6	83	0.00
27	2,4-Dimethylphenol	40.000	38.538	3.7	80	0.00
28	bis(2-Chloroethoxy)methane	40.000	39.573	1.1	83	0.00
29 C	2,4-Dichlorophenol	40.000	39.320	1.7	81	0.00
30	1,2,4-Trichlorobenzene	40.000	39.498	1.3	82	0.00
31	Naphthalene	40.000	39.334	1.7	82	0.00
32	Benzoic acid	40.000	34.462	13.8	70	0.01
33	4-Chloroaniline	40.000	37.195	7.0	78	0.00
34 C	Hexachlorobutadiene	40.000	40.249	-0.6	83	0.00
35	Caprolactam	40.000	38.545	3.6	80	0.00
36 C	4-Chloro-3-methylphenol	40.000	39.359	1.6	82	0.00
37	2-Methylnaphthalene	40.000	39.070	2.3	82	0.00
38	1-Methylnaphthalene	40.000	38.897	2.8	82	0.00
39 I	Acenaphthene-d10	20.000	20.000	0.0	79	0.00
40	1,2,4,5-Tetrachlorobenzene	40.000	40.120	-0.3	84	0.00
41 P	Hexachlorocyclopentadiene	40.000	40.967	-2.4	81	0.00
42 S	2,4,6-Tribromophenol	80.000	72.570	9.3	74	0.00
43 C	2,4,6-Trichlorophenol	40.000	37.913	5.2	79	0.00
44	2,4,5-Trichlorophenol	40.000	37.348	6.6	77	0.00
45 S	2-Fluorobiphenyl	80.000	84.026	-5.0	89	0.00
46	1,1'-Biphenyl	40.000	39.146	2.1	81	0.00
47	2-Chloronaphthalene	40.000	39.144	2.1	81	0.00

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF070725\
 Data File : BF143003.D
 Acq On : 07 Jul 2025 12:12
 Operator : RC/JU
 Sample : SSTDCCC040
 Misc :
 ALS Vial : 2 Sample Multiplier: 1

Instrument :
 BNA_F
 LabSampleId :
 SSTDCCC040

Quant Time: Jul 07 13:00:45 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	38.713	3.2	79	0.00
49	Acenaphthylene	40.000	39.035	2.4	81	0.00
50	Dimethylphthalate	40.000	38.647	3.4	81	0.00
51	2,6-Dinitrotoluene	40.000	38.826	2.9	79	0.00
52 C	Acenaphthene	40.000	40.086	-0.2	83	0.00
53	3-Nitroaniline	40.000	37.896	5.3	78	0.00
54 P	2,4-Dinitrophenol	40.000	47.528	-18.8	94	0.01
55	Dibenzofuran	40.000	38.541	3.6	80	0.00
56 P	4-Nitrophenol	40.000	38.583	3.5	79	0.01
57	2,4-Dinitrotoluene	40.000	38.178	4.6	78	0.00
58	Fluorene	40.000	38.205	4.5	80	0.00
59	2,3,4,6-Tetrachlorophenol	40.000	35.944	10.1	75	0.00
60	Diethylphthalate	40.000	38.440	3.9	80	0.00
61	4-Chlorophenyl-phenylether	40.000	38.716	3.2	82	0.00
62	4-Nitroaniline	40.000	37.032	7.4	77	0.00
63	Azobenzene	40.000	37.788	5.5	79	0.00
64 I	Phenanthrene-d10	20.000	20.000	0.0	75	0.00
65	4,6-Dinitro-2-methylphenol	40.000	39.944	0.1	76	0.00
66 c	n-Nitrosodiphenylamine	40.000	40.625	-1.6	78	0.00
67	4-Bromophenyl-phenylether	40.000	40.831	-2.1	80	0.00
68	Hexachlorobenzene	40.000	40.328	-0.8	79	0.00
69	Atrazine	40.000	41.168	-2.9	79	0.00
70 C	Pentachlorophenol	40.000	45.495	-13.7	85	0.00
71	Phenanthrene	40.000	38.776	3.1	76	0.00
72	Anthracene	40.000	38.930	2.7	76	0.00
73	Carbazole	40.000	37.050	7.4	74	0.00
74	Di-n-butylphthalate	40.000	40.464	-1.2	80	0.00
75 C	Fluoranthene	40.000	36.315	9.2	73	0.00
76 I	Chrysene-d12	20.000	20.000	0.0	81	0.00
77	Benzydine	40.000	45.269	-13.2	89	0.00
78	Pyrene	40.000	38.016	5.0	83	0.00
79 S	Terphenyl-d14	80.000	72.831	9.0	80	0.00
80	Butylbenzylphthalate	40.000	44.276	-10.7	89	0.00
81	Benzo(a)anthracene	40.000	39.108	2.2	84	0.00
82	3,3'-Dichlorobenzidine	40.000	43.913	-9.8	91	0.00
83	Chrysene	40.000	40.410	-1.0	85	0.00
84	Bis(2-ethylhexyl)phthalate	40.000	46.985	-17.5	93	0.00
85 c	Di-n-octyl phthalate	40.000	46.235	-15.6	94	0.00
86 I	Perylene-d12	20.000	20.000	0.0	86	0.00
87	Indeno(1,2,3-cd)pyrene	40.000	35.035	12.4	78	0.02
88	Benzo(b)fluoranthene	40.000	41.097	-2.7	95	0.00
89	Benzo(k)fluoranthene	40.000	36.941	7.6	83	0.00
90 C	Benzo(a)pyrene	40.000	39.319	1.7	88	0.00
91	Dibenzo(a,h)anthracene	40.000	35.535	11.2	80	0.01
92	Benzo(g,h,i)perylene	40.000	33.820	15.4	75	0.02

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF070725\
Data File : BF143003.D
Acq On : 07 Jul 2025 12:12
Operator : RC/JU
Sample : SSTDCCC040
Misc :
ALS Vial : 2 Sample Multiplier: 1

Instrument :
BNA_F
LabSampleId :
SSTDCCC040

Quant Time: Jul 07 13:00:45 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:	<u>Alliance</u>	Contract:	<u>CAMP02</u>
Lab Code:	<u>ACE</u>	SDG No.:	<u>Q2484</u>
Instrument ID:	<u>BNA_F</u>	Calibration Date/Time:	<u>07/08/2025 10:54</u>
Lab File ID:	<u>BF143025.D</u>	Init. Calib. Date(s):	<u>06/19/2025 06/19/2025</u>
EPA Sample No.:	<u>SSTDCCC040</u>	Init. Calib. Time(s):	<u>17:07 20:40</u>
GC Column:	<u>DB-UI</u>	ID:	<u>0.18</u> (mm)

COMPOUND	RRF	RRF040	MIN RRF	%D	MAX%D
2-Fluorophenol	1.201	1.183		-1.5	
Benzaldehyde	0.841	0.903		7.4	
Phenol-d6	1.417	1.384		-2.3	
Phenol	1.575	1.550		-1.6	20.0
bis(2-Chloroethyl)ether	1.126	1.102		-2.1	
2-Chlorophenol	1.296	1.276		-1.5	
2-Methylphenol	0.982	0.973		-0.9	
2,2-oxybis(1-Chloropropane)	1.809	1.645		-9.1	
Acetophenone	0.441	0.431		-2.3	
3+4-Methylphenols	1.224	1.225		0.1	
n-Nitroso-di-n-propylamine	0.824	0.805	0.050	-2.3	
Nitrobenzene-d5	0.365	0.385		5.5	
Hexachloroethane	0.511	0.498		-2.5	
Nitrobenzene	0.330	0.315		-4.5	
Isophorone	0.585	0.566		-3.2	
2-Nitrophenol	0.180	0.181		0.6	20.0
2,4-Dimethylphenol	0.311	0.301		-3.2	
bis(2-Chloroethoxy)methane	0.372	0.361		-3.0	
2,4-Dichlorophenol	0.282	0.275		-2.5	20.0
Naphthalene	0.979	0.952		-2.8	
4-Chloroaniline	0.398	0.391		-1.8	
Hexachlorobutadiene	0.190	0.185		-2.6	20.0
Caprolactam	0.075	0.078		4.0	
4-Chloro-3-methylphenol	0.281	0.276		-1.8	20.0
2-Methylnaphthalene	0.607	0.594		-2.1	
Hexachlorocyclopentadiene	0.335	0.341	0.050	1.8	
2,4,6-Trichlorophenol	0.385	0.367		-4.7	20.0
2-Fluorobiphenyl	1.522	1.552		2.0	
2,4,5-Trichlorophenol	0.405	0.383		-5.4	
1,1-Biphenyl	1.580	1.507		-4.6	
2-Chloronaphthalene	1.186	1.125		-5.1	
2-Nitroaniline	0.332	0.326		-1.8	
Dimethylphthalate	1.295	1.287		-0.6	
Acenaphthylene	1.952	1.854		-5.0	
2,6-Dinitrotoluene	0.284	0.279		-1.8	
3-Nitroaniline	0.313	0.304		-2.9	
Acenaphthene	1.191	1.180		-0.9	20.0
2,4-Dinitrophenol	0.142	0.188	0.050	32.4	
4-Nitrophenol	0.214	0.259	0.050	21.0	



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

7C

SEMIVOLATILE CONTINUING CALIBRATION CHECK

Lab Name: Alliance Contract: CAMP02
 Lab Code: ACE SDG No.: Q2484
 Instrument ID: BNA_F Calibration Date/Time: 07/08/2025 10:54
 Lab File ID: BF143025.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	1.634		-4.3	
2,4-Dinitrotoluene	0.378	0.376		-0.5	
Diethylphthalate	1.269	1.241		-2.2	
4-Chlorophenyl-phenylether	0.636	0.623		-2.0	
Fluorene	1.334	1.302		-2.4	
4-Nitroaniline	0.286	0.282		-1.4	
4,6-Dinitro-2-methylphenol	0.121	0.120		-0.8	
n-Nitrosodiphenylamine	0.693	0.683		-1.4	20.0
2,4,6-Tribromophenol	0.206	0.200		-2.9	
4-Bromophenyl-phenylether	0.228	0.230		0.9	
Hexachlorobenzene	0.253	0.251		-0.8	
Atrazine	0.179	0.189		5.6	
Pentachlorophenol	0.126	0.185		46.8	20.0
Phenanthrene	1.083	1.051		-3.0	
Anthracene	1.111	1.089		-2.0	
Carbazole	0.959	0.908		-5.3	
Di-n-butylphthalate	0.999	1.022		2.3	
Fluoranthene	1.028	0.959		-6.7	20.0
Pyrene	1.875	2.136		13.9	
Terphenyl-d14	1.447	1.536		6.2	
Butylbenzylphthalate	0.544	0.573		5.3	
3,3-Dichlorobenzidine	0.438	0.444		1.4	
Benzo (a) anthracene	1.349	1.310		-2.9	
Chrysene	1.204	1.161		-3.6	
Bis(2-ethylhexyl)phthalate	0.782	0.775		-0.9	
Di-n-octyl phthalate	1.475	1.479		0.3	20.0
Benzo (b) fluoranthene	1.157	1.133		-2.1	
Benzo (k) fluoranthene	1.083	0.990		-8.6	
Benzo (a) pyrene	1.118	1.090		-2.5	20.0
Indeno (1,2,3-cd) pyrene	1.523	1.509		-0.9	
Dibenzo (a,h) anthracene	1.238	1.206		-2.6	
Benzo (g,h,i) perylene	1.234	1.198		-2.9	
1,2,4,5-Tetrachlorobenzene	0.590	0.574		-2.7	
1,4-Dioxane	0.480	0.434		-9.6	20.0
2,3,4,6-Tetrachlorophenol	0.326	0.307		-5.8	

All other compounds must meet a minimum RRF of 0.010.

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF070825\
 Data File : BF143025.D
 Acq On : 08 Jul 2025 10:54
 Operator : RC/JU
 Sample : SSTDCCC040
 Misc :
 ALS Vial : 2 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 SSTDCCC040

Quant Time: Jul 08 12:00:55 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	66813	20.000	ng	0.00
21) Naphthalene-d8	8.163	136	257725	20.000	ng	0.00
39) Acenaphthene-d10	9.922	164	136330	20.000	ng	0.00
64) Phenanthrene-d10	11.410	188	218169	20.000	ng	0.00
76) Chrysene-d12	14.063	240	109391	20.000	ng	0.00
86) Perylene-d12	15.557	264	135350	20.000	ng	0.01
System Monitoring Compounds						
5) 2-Fluorophenol	5.493	112	316247	78.806	ng	0.00
7) Phenol-d6	6.510	99	369973	78.144	ng	0.00
23) Nitrobenzene-d5	7.445	82	397254	84.546	ng	0.00
42) 2,4,6-Tribromophenol	10.716	330	108910	77.630	ng	0.00
45) 2-Fluorobiphenyl	9.239	172	846426	81.561	ng	0.00
79) Terphenyl-d14	12.998	244	672150	84.898	ng	0.00
Target Compounds						
						Qvalue
2) 1,4-Dioxane	2.616	88	57982	36.124	ng	98
3) Pyridine	3.399	79	151473	37.643	ng	98
4) n-Nitrosodimethylamine	3.346	42	77170	37.086	ng	99
6) Aniline	6.540	93	244676	38.839	ng	# 88
8) 2-Chlorophenol	6.663	128	170496	39.386	ng	99
9) Benzaldehyde	6.428	77	120691	42.967	ng	99
10) Phenol	6.528	94	207080	39.348	ng	82
11) bis(2-Chloroethyl)ether	6.610	93	147243	39.146	ng	97
12) 1,3-Dichlorobenzene	6.816	146	191514	39.558	ng	99
13) 1,4-Dichlorobenzene	6.892	146	192667	39.445	ng	99
14) 1,2-Dichlorobenzene	7.045	146	182982	39.496	ng	100
15) Benzyl Alcohol	7.022	79	136943	40.010	ng	98
16) 2,2'-oxybis(1-Chloropr...	7.151	45	219851	36.380	ng	88
17) 2-Methylphenol	7.134	107	129961	39.617	ng	98
18) Hexachloroethane	7.387	117	66538	38.946	ng	95
19) n-Nitroso-di-n-propyla...	7.292	70	107553	39.059	ng	98
20) 3+4-Methylphenols	7.287	107	163708	40.025	ng	95
22) Acetophenone	7.287	105	222206	39.098	ng	98
24) Nitrobenzene	7.463	77	162450	38.199	ng	98
25) Isophorone	7.704	82	291979	38.737	ng	99
26) 2-Nitrophenol	7.781	139	93437	40.333	ng	98
27) 2,4-Dimethylphenol	7.816	122	155161	38.666	ng	100
28) bis(2-Chloroethoxy)met...	7.910	93	186301	38.878	ng	100
29) 2,4-Dichlorophenol	8.022	162	141839	38.983	ng	99
30) 1,2,4-Trichlorobenzene	8.104	180	155378	38.835	ng	99
31) Naphthalene	8.187	128	490610	38.890	ng	99
32) Benzoic acid	7.939	122	72155	35.279	ng	96
33) 4-Chloroaniline	8.234	127	201664	39.314	ng	98
34) Hexachlorobutadiene	8.298	225	95500	39.023	ng	99
35) Caprolactam	8.610	113	40230	41.901	ng	92
36) 4-Chloro-3-methylphenol	8.722	107	142124	39.303	ng	98
37) 2-Methylnaphthalene	8.875	142	306009	39.127	ng	99
38) 1-Methylnaphthalene	8.975	142	315141	38.925	ng	99
40) 1,2,4,5-Tetrachloroben...	9.045	216	156502	38.905	ng	99
41) Hexachlorocyclopentadiene	9.028	237	92877	40.686	ng	98
43) 2,4,6-Trichlorophenol	9.157	196	100080	38.180	ng	99

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF070825\
 Data File : BF143025.D
 Acq On : 08 Jul 2025 10:54
 Operator : RC/JU
 Sample : SSTDCCC040
 Misc :
 ALS Vial : 2 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 SSTDCCC040

Quant Time: Jul 08 12:00:55 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

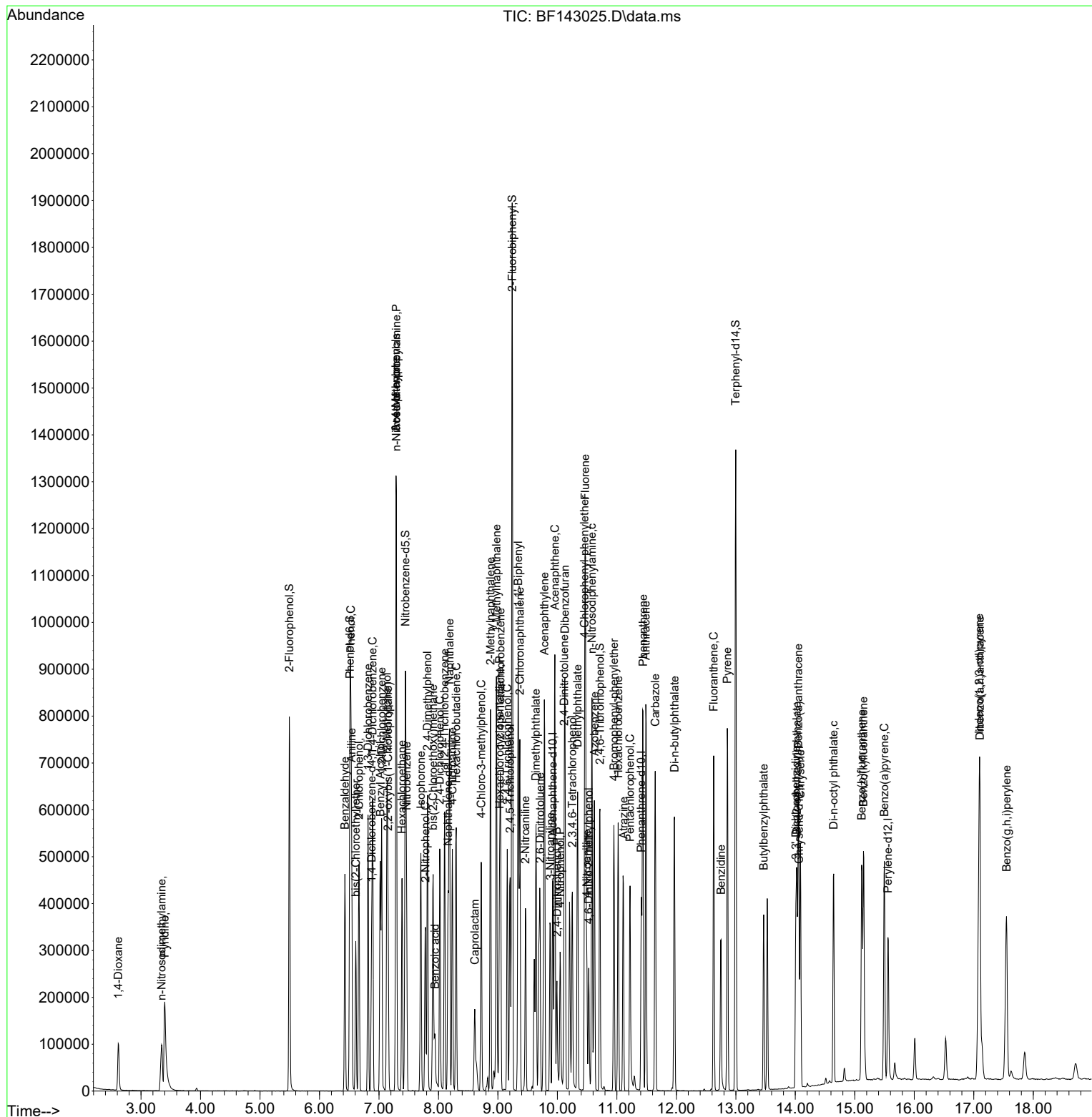
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
44) 2,4,5-Trichlorophenol	9.204	196	104339	37.813	ng	99
46) 1,1'-Biphenyl	9.339	154	410792	38.145	ng	100
47) 2-Chloronaphthalene	9.369	162	306622	37.941	ng	99
48) 2-Nitroaniline	9.463	65	88943	39.256	ng	100
49) Acenaphthylene	9.781	152	505519	37.997	ng	99
50) Dimethylphthalate	9.639	163	350801	39.752	ng	99
51) 2,6-Dinitrotoluene	9.710	165	75946	39.188	ng	95
52) Acenaphthene	9.957	154	321787m	39.643	ng	
53) 3-Nitroaniline	9.881	138	82962	38.881	ng	99
54) 2,4-Dinitrophenol	9.992	184	51195	52.757	ng	96
55) Dibenzofuran	10.128	168	445423	38.268	ng	99
56) 4-Nitrophenol	10.045	139	70555	48.300	ng	96
57) 2,4-Dinitrotoluene	10.116	165	102608	39.860	ng	95
58) Fluorene	10.469	166	354875	39.038	ng	99
59) 2,3,4,6-Tetrachlorophenol	10.251	232	83670	37.618	ng	94
60) Diethylphthalate	10.339	149	338403	39.111	ng	99
61) 4-Chlorophenyl-phenyle...	10.457	204	169854	39.156	ng	98
62) 4-Nitroaniline	10.492	138	76818	39.365	ng	98
63) Azobenzene	10.622	77	293688	37.977	ng	98
65) 4,6-Dinitro-2-methylph...	10.528	198	52231	39.580	ng	99
66) n-Nitrosodiphenylamine	10.580	169	298183	39.436	ng	99
67) 4-Bromophenyl-phenylether	10.951	248	100343	40.413	ng	97
68) Hexachlorobenzene	11.022	284	109501	39.689	ng	99
69) Atrazine	11.110	200	82526	42.266	ng	100
70) Pentachlorophenol	11.222	266	80900	58.845	ng	97
71) Phenanthrene	11.439	178	458805	38.822	ng	100
72) Anthracene	11.486	178	475083	39.196	ng	100
73) Carbazole	11.645	167	396286	37.887	ng	100
74) Di-n-butylphthalate	11.969	149	445869	40.919	ng	100
75) Fluoranthene	12.627	202	418605	37.322	ng	100
77) Benzidine	12.751	184	200477	48.779	ng	99
78) Pyrene	12.857	202	467410	45.585	ng	99
80) Butylbenzylphthalate	13.469	149	125308	42.130	ng	96
81) Benzo(a)anthracene	14.051	228	286505	38.824	ng	100
82) 3,3'-Dichlorobenzidine	14.010	252	97033	40.538	ng	99
83) Chrysene	14.086	228	253970	38.568	ng	100
84) Bis(2-ethylhexyl)phtha...	14.027	149	169570	39.625	ng	100
85) Di-n-octyl phthalate	14.645	149	323589	40.101	ng	98
87) Indeno(1,2,3-cd)pyrene	17.092	276	408600	39.633	ng	99
88) Benzo(b)fluoranthene	15.115	252	306592	39.146	ng	100
89) Benzo(k)fluoranthene	15.145	252	268010	36.576	ng	100
90) Benzo(a)pyrene	15.498	252	295042	38.995	ng	99
91) Dibenzo(a,h)anthracene	17.104	278	326448	38.971	ng	98
92) Benzo(g,h,i)perylene	17.551	276	324337	38.829	ng	98

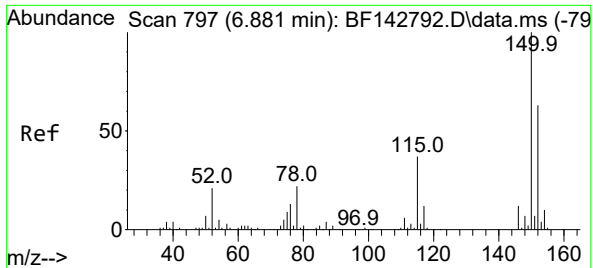
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Data File : BF143025.D  
Acq On    : 08 Jul 2025   10:54  
Operator  : RC/JU  
Sample    : SSTDCCC040  
Misc      :  
ALS Vial  : 2    Sample Multiplier: 1
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Instrument :
BNA_F
ClientSampleId :
SSTDCCC040

Quant Time: Jul 08 12:00:55 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

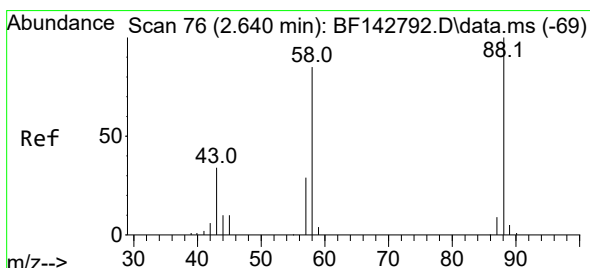
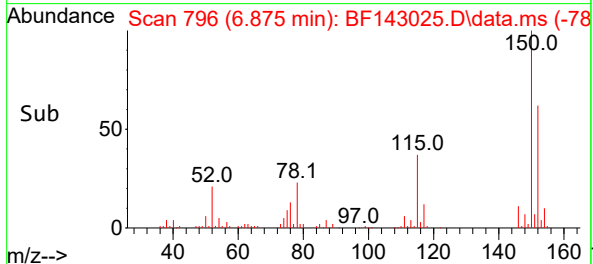
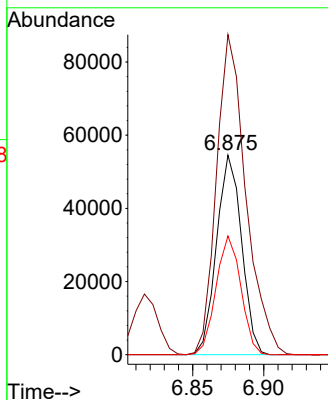
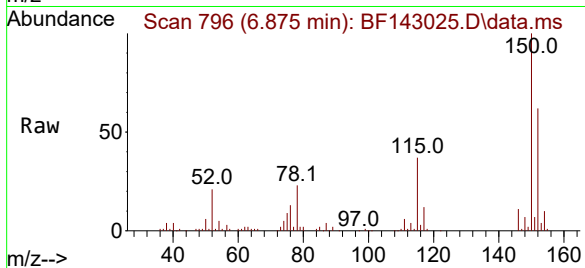




#1
 1,4-Dichlorobenzene-d4
 Concen: 20.000 ng
 RT: 6.875 min Scan# 79
 Delta R.T. -0.006 min
 Lab File: BF143025.D
 Acq: 08 Jul 2025 10:54

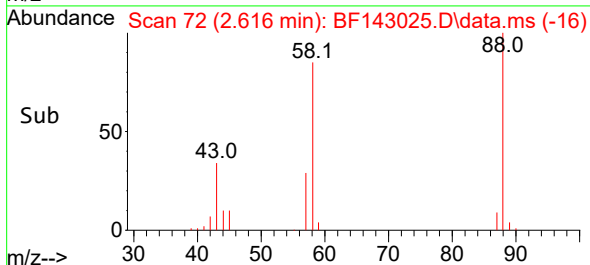
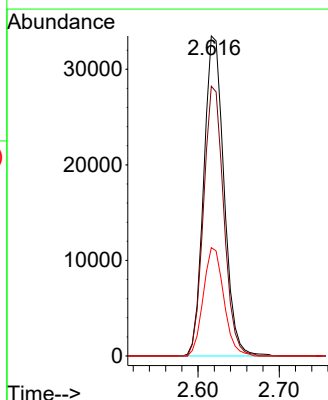
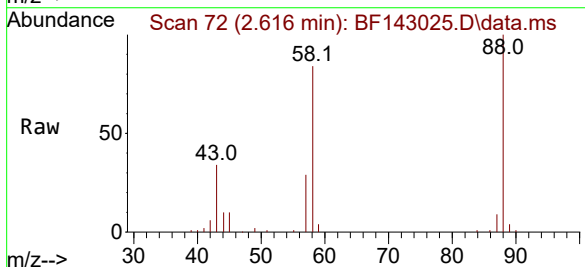
Instrument :
 BNA_F
 ClientSampleId :
 SSTDCCC040

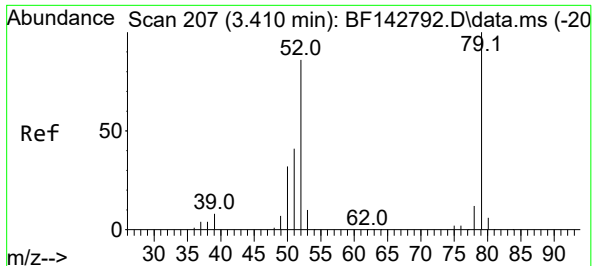
Tgt Ion:152 Resp: 66813
 Ion Ratio Lower Upper
 152 100
 150 160.3 127.2 190.8
 115 59.5 46.6 69.8



#2
 1,4-Dioxane
 Concen: 36.124 ng
 RT: 2.616 min Scan# 72
 Delta R.T. -0.023 min
 Lab File: BF143025.D
 Acq: 08 Jul 2025 10:54

Tgt Ion: 88 Resp: 57982
 Ion Ratio Lower Upper
 88 100
 58 83.7 69.1 103.7
 43 34.2 27.4 41.2





#3

Pyridine

Concen: 37.643 ng

RT: 3.399 min Scan# 20

Delta R.T. -0.012 min

Lab File: BF143025.D

Acq: 08 Jul 2025 10:54

Instrument :

BNA_F

ClientSampleId :

SSTDCCC040

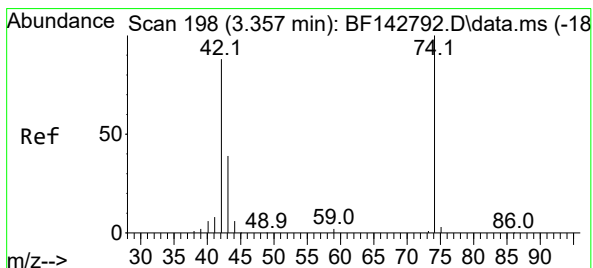
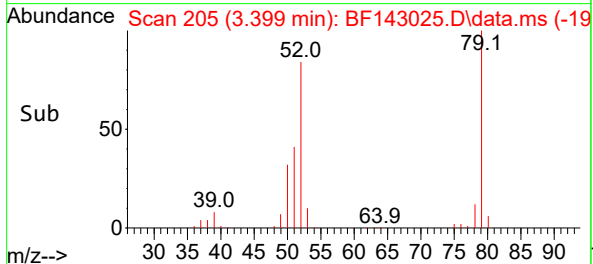
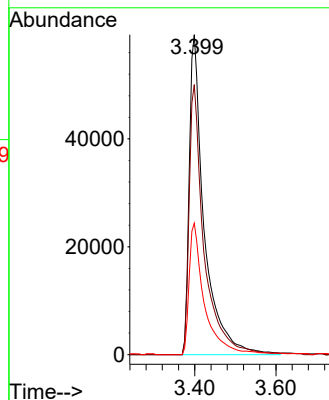
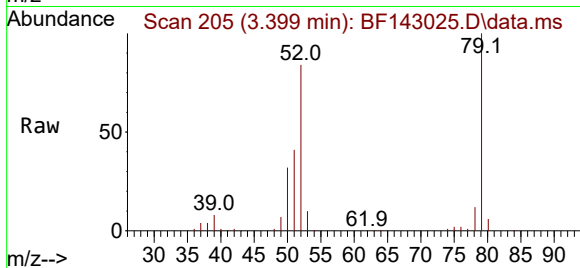
Tgt Ion: 79 Resp: 151473

Ion Ratio Lower Upper

79 100

52 84.4 69.2 103.8

51 41.1 33.2 49.8



#4

n-Nitrosodimethylamine

Concen: 37.086 ng

RT: 3.346 min Scan# 196

Delta R.T. -0.012 min

Lab File: BF143025.D

Acq: 08 Jul 2025 10:54

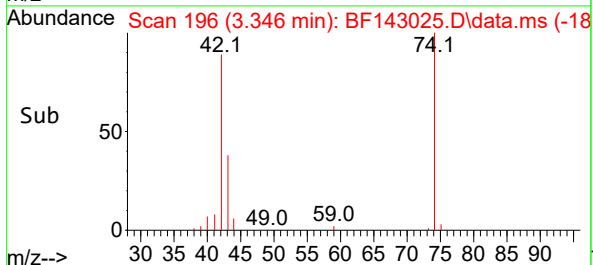
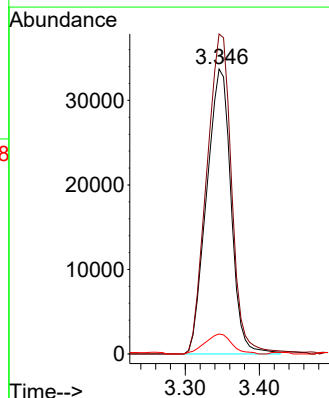
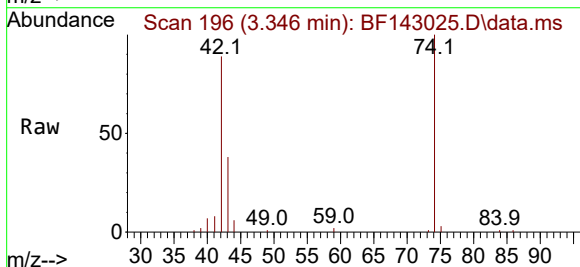
Tgt Ion: 42 Resp: 77170

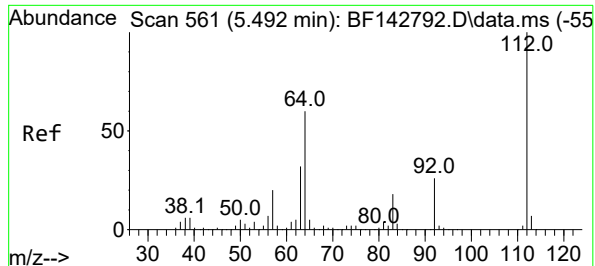
Ion Ratio Lower Upper

42 100

74 112.3 90.9 136.3

44 7.0 5.8 8.6





#5

2-Fluorophenol

Concen: 78.806 ng

RT: 5.493 min Scan# 50

Delta R.T. 0.001 min

Lab File: BF143025.D

Acq: 08 Jul 2025 10:54

Instrument :

BNA_F

ClientSampleId :

SSTDCCC040

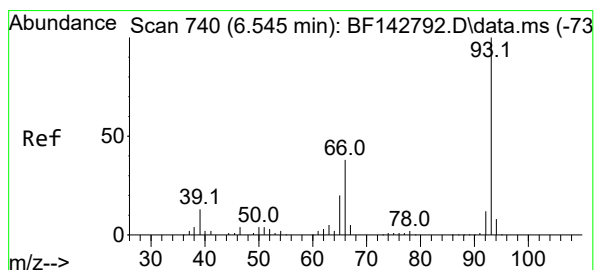
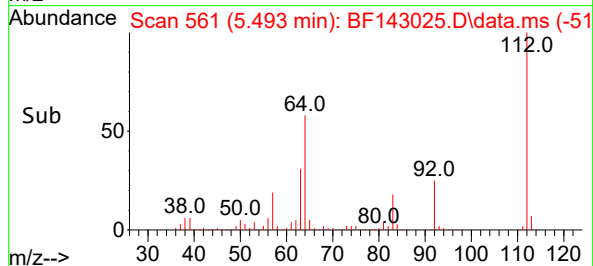
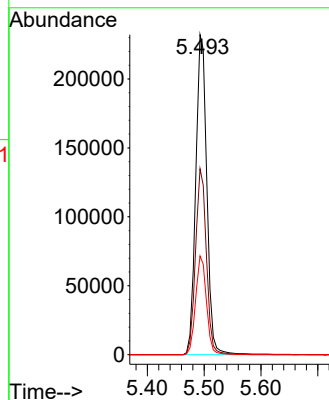
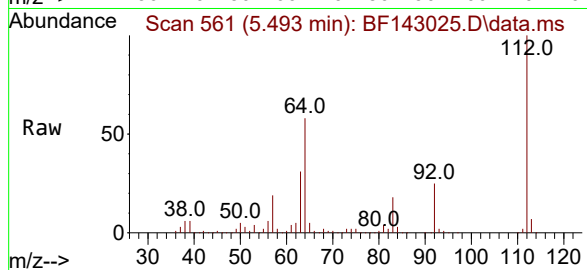
Tgt Ion:112 Resp: 316247

Ion Ratio Lower Upper

112 100

64 58.1 48.2 72.2

63 30.8 25.7 38.5



#6

Aniline

Concen: 38.839 ng

RT: 6.540 min Scan# 739

Delta R.T. -0.006 min

Lab File: BF143025.D

Acq: 08 Jul 2025 10:54

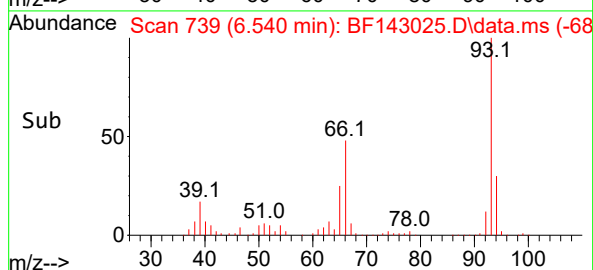
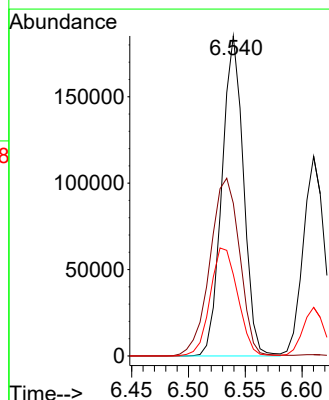
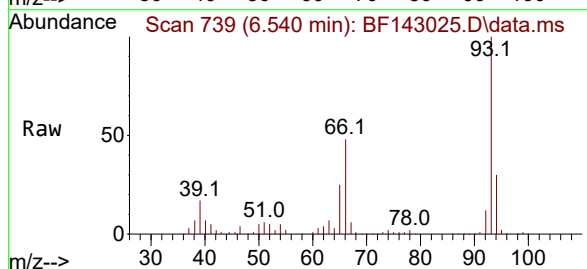
Tgt Ion: 93 Resp: 244676

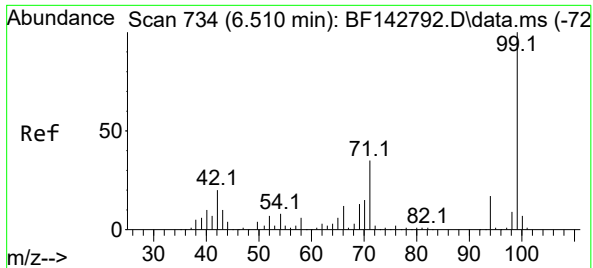
Ion Ratio Lower Upper

93 100

66 47.7 31.8 47.6#

65 25.4 16.2 24.2#

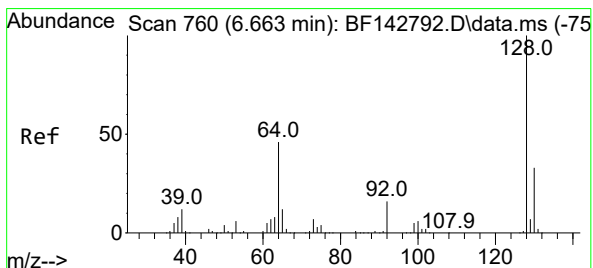
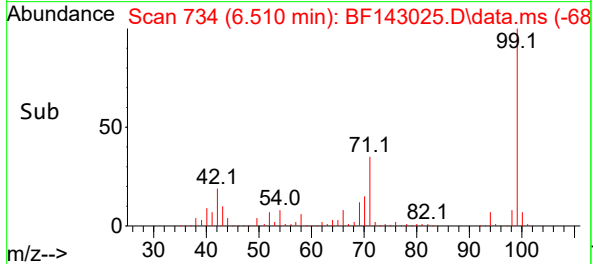
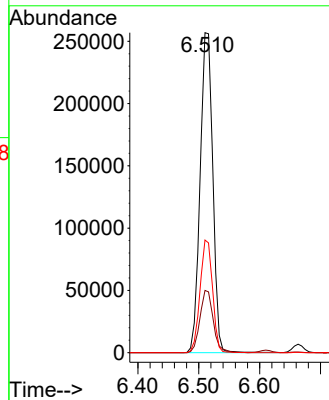
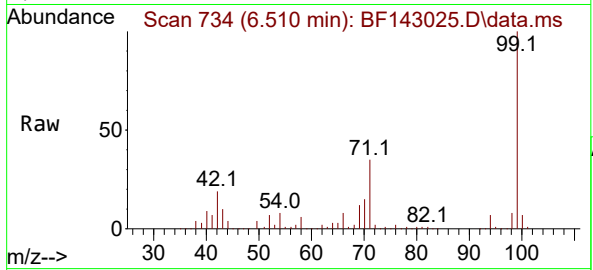




#7
Phenol-d6
Concen: 78.144 ng
RT: 6.510 min Scan# 71
Delta R.T. 0.000 min
Lab File: BF143025.D
Acq: 08 Jul 2025 10:54

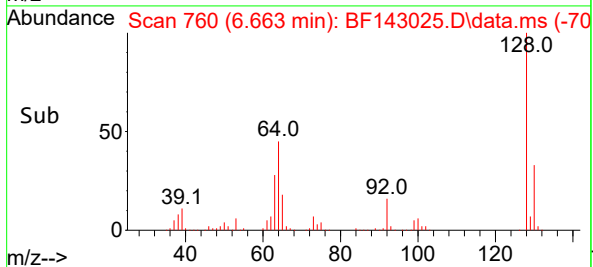
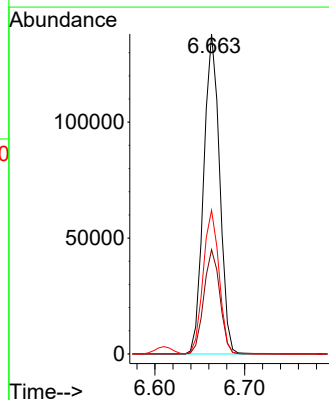
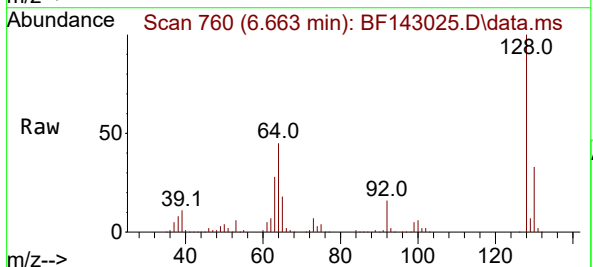
Instrument :
BNA_F
ClientSampleId :
SSTDCCC040

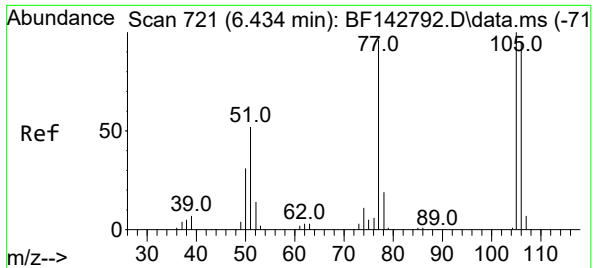
Tgt Ion: 99 Resp: 369973
Ion Ratio Lower Upper
99 100
42 19.4 15.9 23.9
71 35.2 27.8 41.8



#8
2-Chlorophenol
Concen: 39.386 ng
RT: 6.663 min Scan# 760
Delta R.T. 0.000 min
Lab File: BF143025.D
Acq: 08 Jul 2025 10:54

Tgt Ion: 128 Resp: 170496
Ion Ratio Lower Upper
128 100
130 32.6 12.7 52.7
64 44.9 26.5 66.5

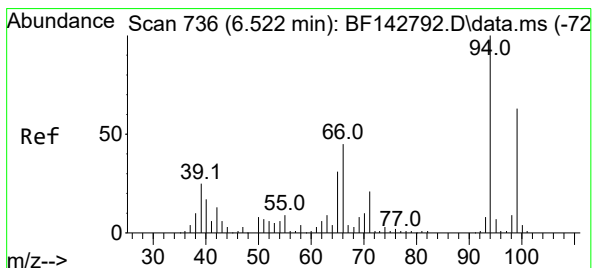
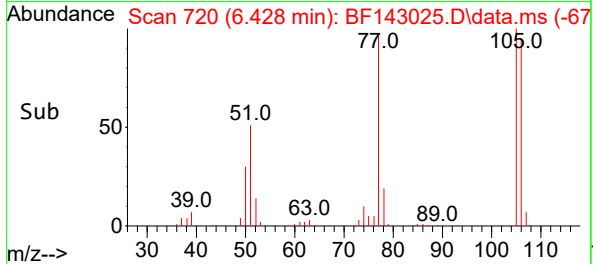
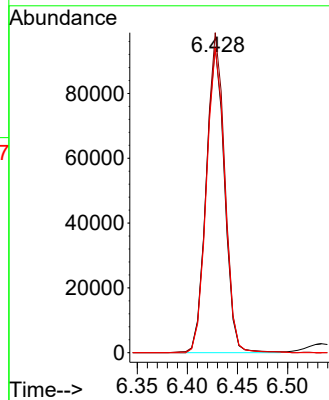
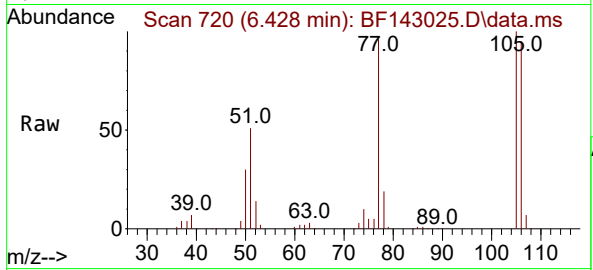




#9
Benzaldehyde
Concen: 42.967 ng
RT: 6.428 min Scan# 71
Delta R.T. -0.006 min
Lab File: BF143025.D
Acq: 08 Jul 2025 10:54

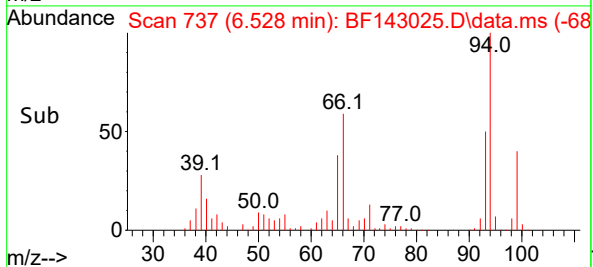
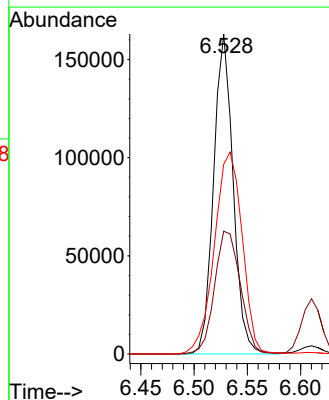
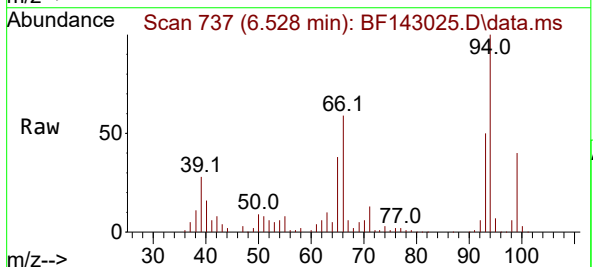
Instrument :
BNA_F
ClientSampleId :
SSTDCCC040

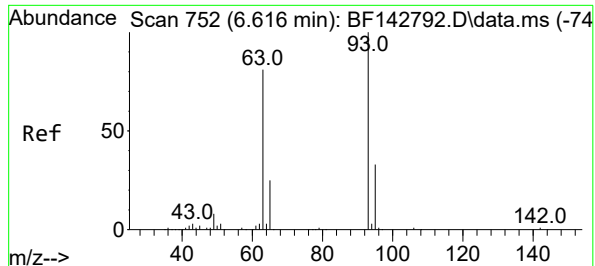
Tgt Ion: 77 Resp: 120691
Ion Ratio Lower Upper
77 100
105 104.7 83.8 123.8
106 99.7 78.7 118.7



#10
Phenol
Concen: 39.348 ng
RT: 6.528 min Scan# 737
Delta R.T. 0.006 min
Lab File: BF143025.D
Acq: 08 Jul 2025 10:54

Tgt Ion: 94 Resp: 207080
Ion Ratio Lower Upper
94 100
65 38.3 11.3 51.3
66 59.3 24.9 64.9

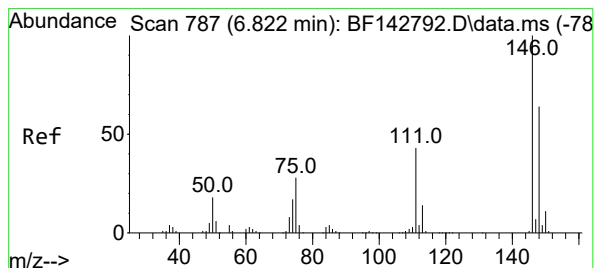
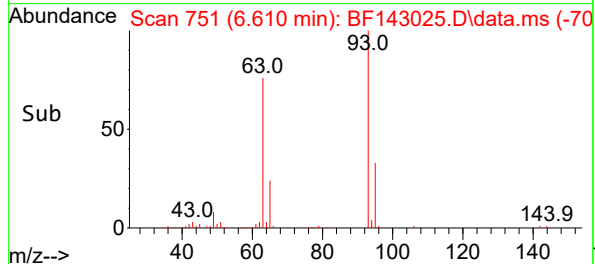
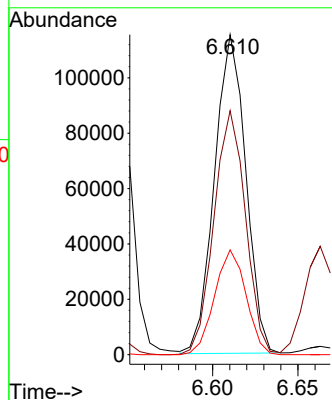
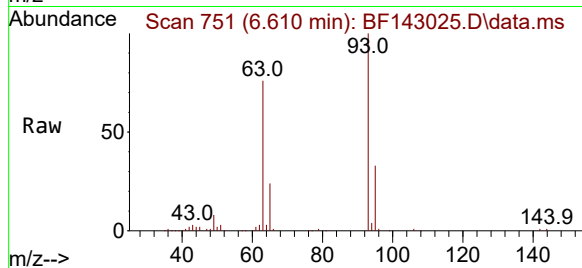




#11
bis(2-Chloroethyl)ether
Concen: 39.146 ng
RT: 6.610 min Scan# 751
Delta R.T. -0.006 min
Lab File: BF143025.D
Acq: 08 Jul 2025 10:54

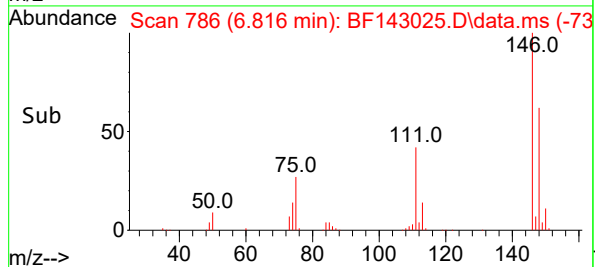
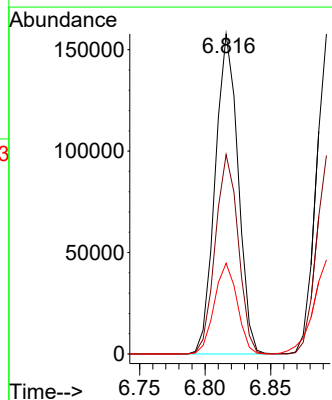
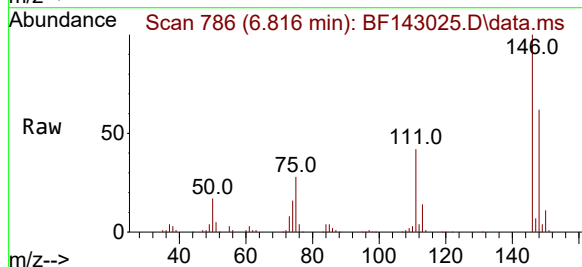
Instrument :
BNA_F
ClientSampleId :
SSTDCCC040

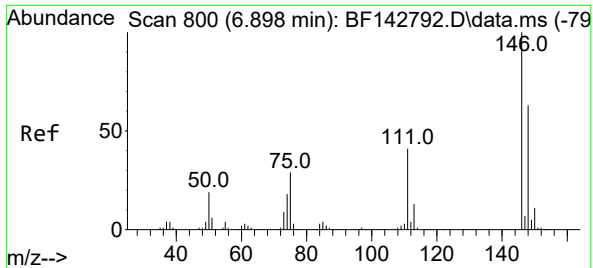
Tgt Ion: 93 Resp: 147243
Ion Ratio Lower Upper
93 100
63 76.3 60.3 100.3
95 32.7 12.5 52.5



#12
1,3-Dichlorobenzene
Concen: 39.558 ng
RT: 6.816 min Scan# 786
Delta R.T. -0.006 min
Lab File: BF143025.D
Acq: 08 Jul 2025 10:54

Tgt Ion: 146 Resp: 191514
Ion Ratio Lower Upper
146 100
148 62.3 51.1 76.7
75 28.3 22.7 34.1





#13

1,4-Dichlorobenzene

Concen: 39.445 ng

RT: 6.892 min Scan# 79

Delta R.T. -0.006 min

Lab File: BF143025.D

Acq: 08 Jul 2025 10:54

Instrument :

BNA_F

ClientSampleId :

SSTDCCC040

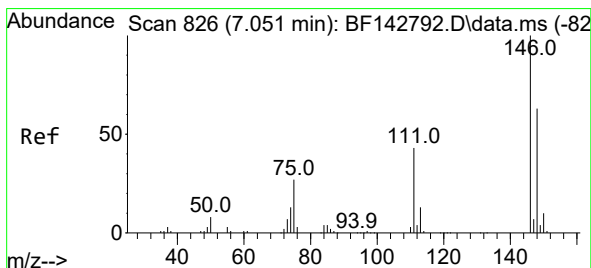
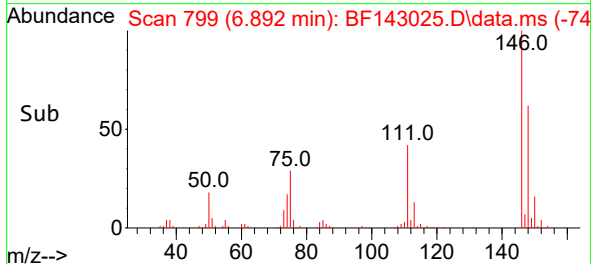
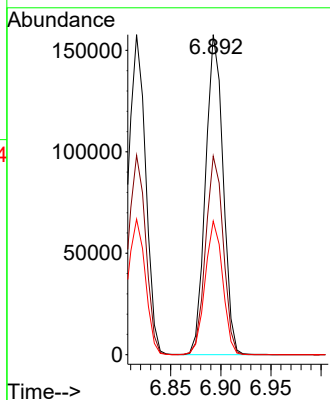
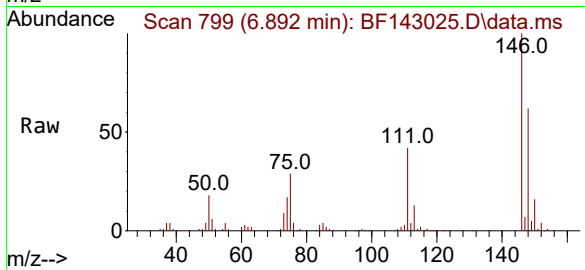
Tgt Ion:146 Resp: 192667

Ion Ratio Lower Upper

146 100

148 62.1 50.2 75.2

111 41.7 33.2 49.8



#14

1,2-Dichlorobenzene

Concen: 39.496 ng

RT: 7.045 min Scan# 825

Delta R.T. -0.006 min

Lab File: BF143025.D

Acq: 08 Jul 2025 10:54

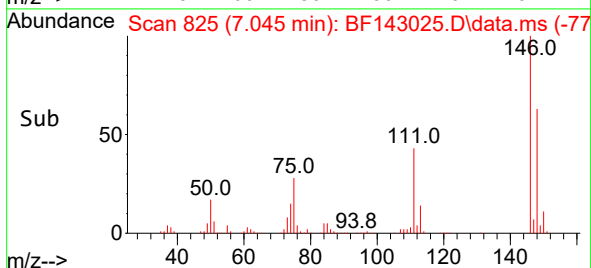
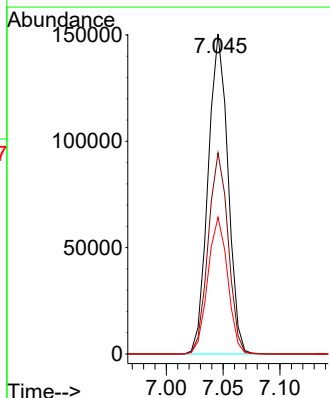
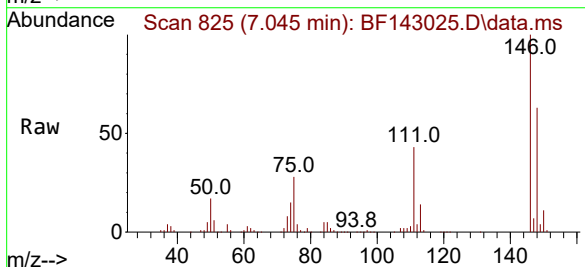
Tgt Ion:146 Resp: 182982

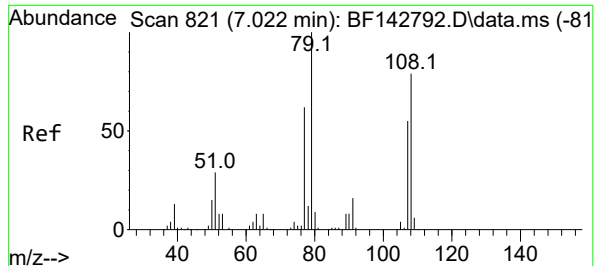
Ion Ratio Lower Upper

146 100

148 62.9 50.4 75.6

111 42.7 34.1 51.1





#15

Benzyl Alcohol

Concen: 40.010 ng

RT: 7.022 min Scan# 81

Delta R.T. 0.000 min

Lab File: BF143025.D

Acq: 08 Jul 2025 10:54

Instrument :

BNA_F

ClientSampleId :

SSTDCCC040

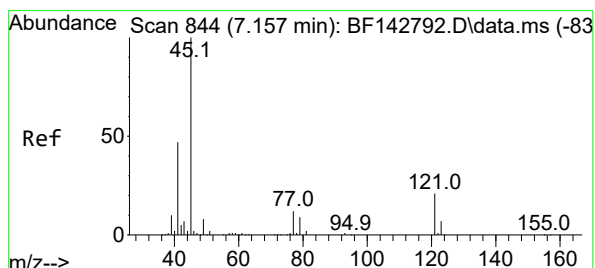
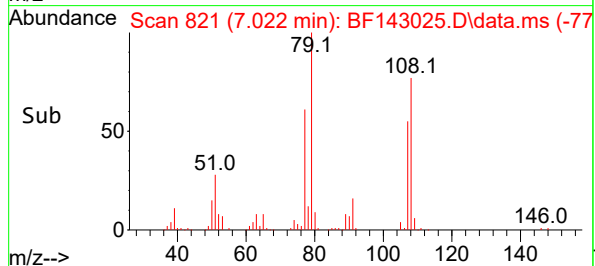
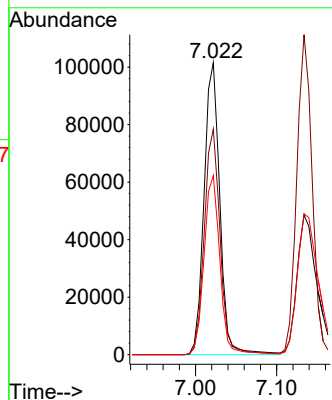
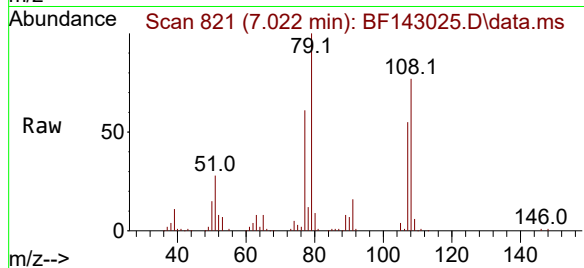
Tgt Ion: 79 Resp: 136943

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: 36.380 ng

RT: 7.151 min Scan# 843

Delta R.T. -0.006 min

Lab File: BF143025.D

Acq: 08 Jul 2025 10:54

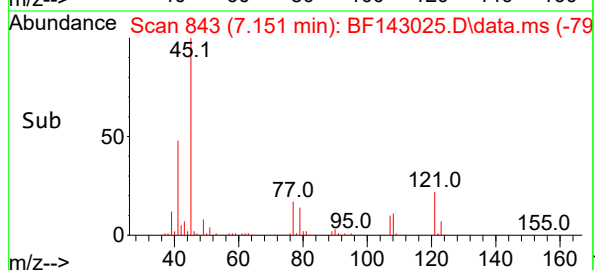
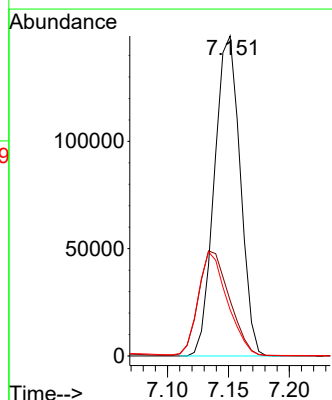
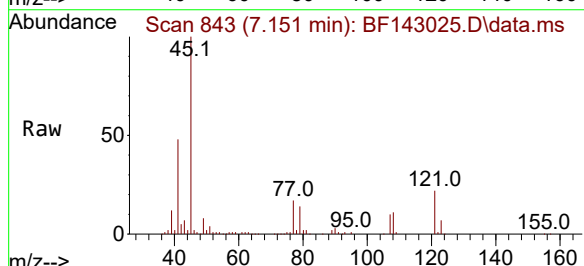
Tgt Ion: 45 Resp: 219851

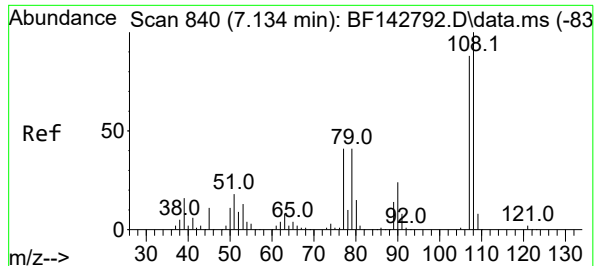
Ion Ratio Lower Upper

45 100

77 17.3 0.0 32.8

79 14.5 0.0 29.8

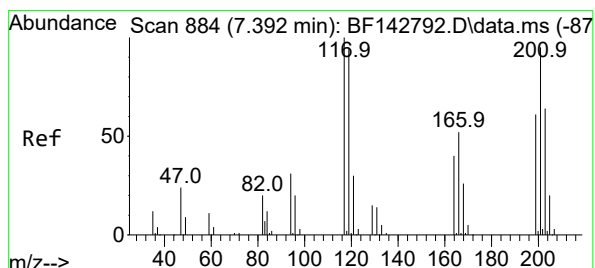
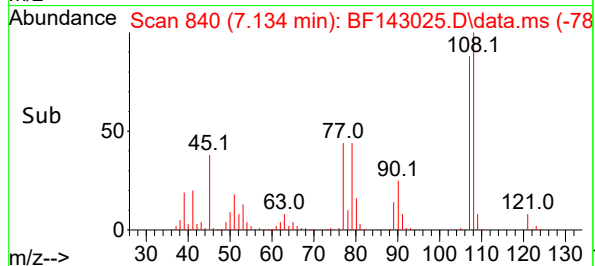
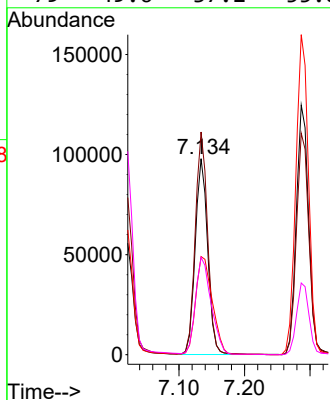
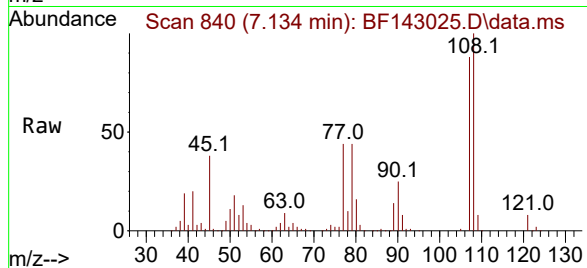




#17
2-Methylphenol
Concen: 39.617 ng
RT: 7.134 min Scan# 840
Delta R.T. 0.000 min
Lab File: BF143025.D
Acq: 08 Jul 2025 10:54

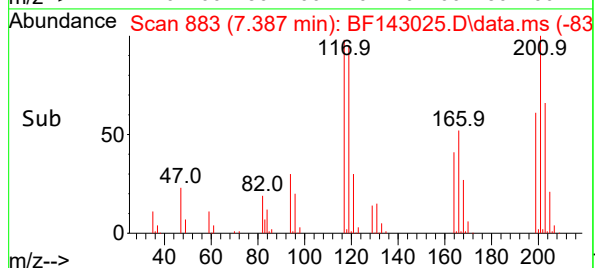
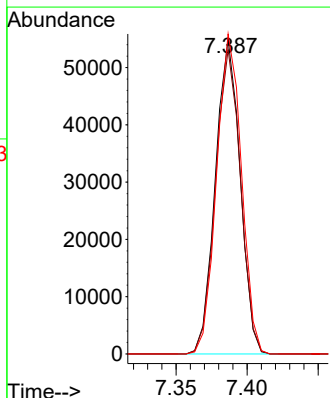
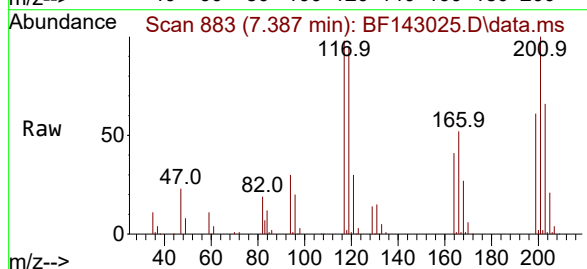
Instrument :
BNA_F
ClientSampleId :
SSTDCCC040

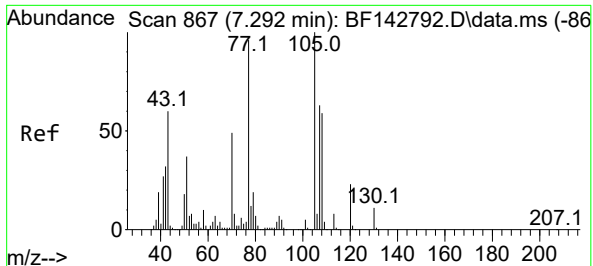
Tgt Ion:107 Resp: 129961
Ion Ratio Lower Upper
107 100
108 113.6 90.9 136.3
77 50.1 37.3 55.9
79 49.6 37.2 55.8



#18
Hexachloroethane
Concen: 38.946 ng
RT: 7.387 min Scan# 883
Delta R.T. -0.006 min
Lab File: BF143025.D
Acq: 08 Jul 2025 10:54

Tgt Ion:117 Resp: 66538
Ion Ratio Lower Upper
117 100
119 96.7 75.4 113.0
201 101.7 75.9 113.9





#19

n-Nitroso-di-n-propylamine

Concen: 39.059 ng

RT: 7.292 min Scan# 867

Delta R.T. 0.000 min

Lab File: BF143025.D

Acq: 08 Jul 2025 10:54

Instrument :

BNA_F

ClientSampleId :

SSTDCCC040

Tgt Ion: 70 Resp: 107553

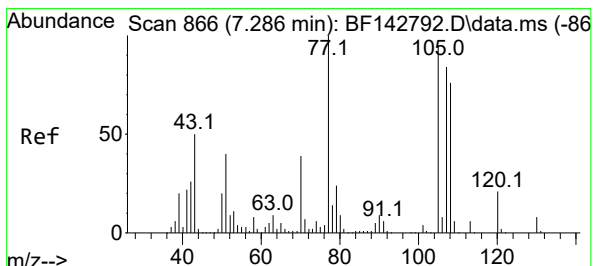
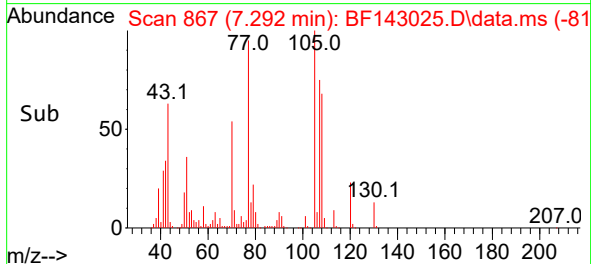
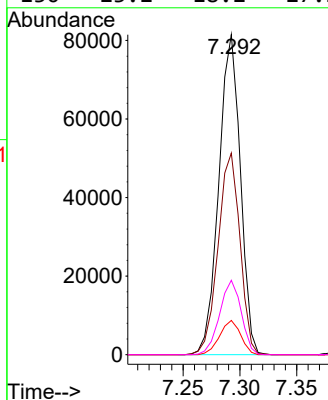
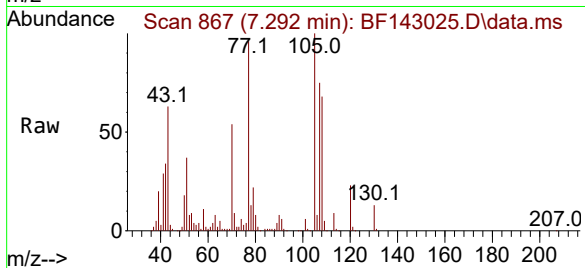
Ion Ratio Lower Upper

70 100

42 63.0 52.1 78.1

101 10.7 8.2 12.2

130 23.2 18.2 27.2



#20

3+4-Methylphenols

Concen: 40.025 ng

RT: 7.287 min Scan# 866

Delta R.T. 0.000 min

Lab File: BF143025.D

Acq: 08 Jul 2025 10:54

Tgt Ion:107 Resp: 163708

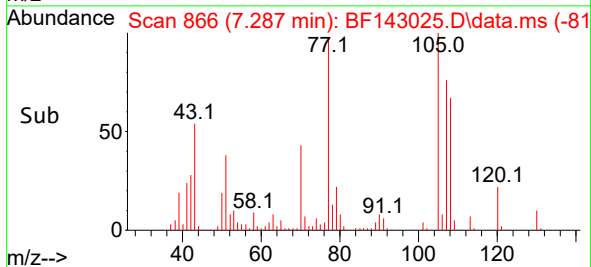
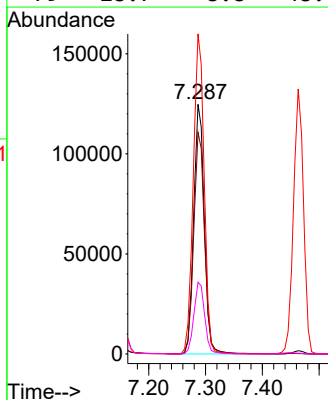
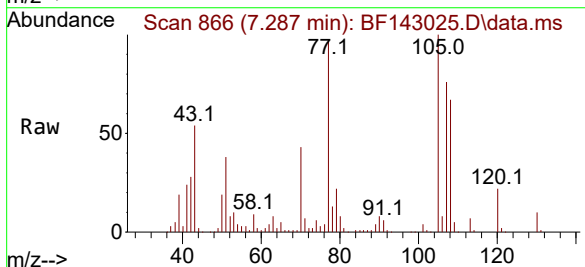
Ion Ratio Lower Upper

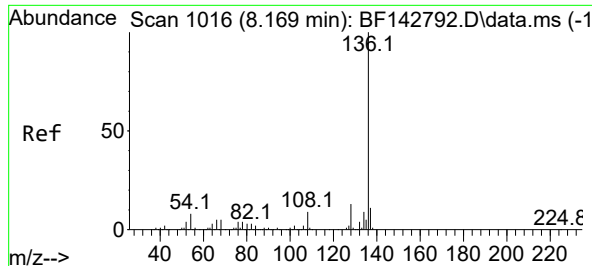
107 100

108 88.7 70.0 110.0

77 128.2 98.5 138.5

79 28.7 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: BF143025.D

Acq: 08 Jul 2025 10:54

Instrument :

BNA_F

ClientSampleId :

SSTDCCC040

Tgt Ion:136 Resp: 257725

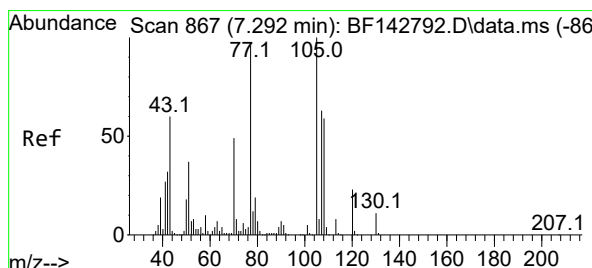
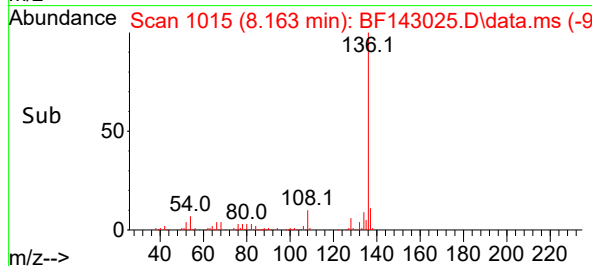
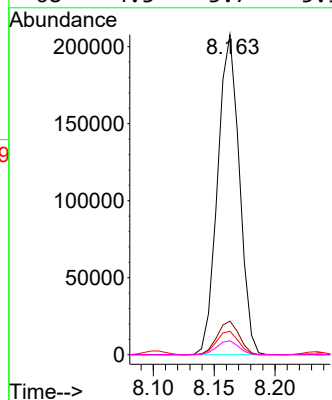
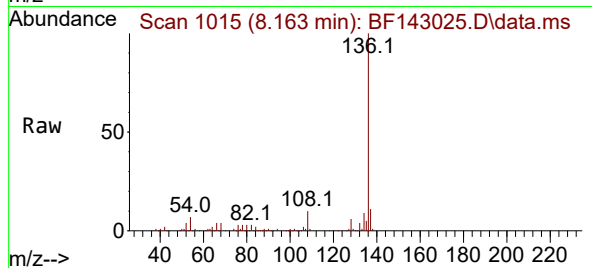
Ion Ratio Lower Upper

136 100

137 10.5 8.4 12.6

54 7.3 6.3 9.5

68 4.3 3.7 5.5



#22

Acetophenone

Concen: 39.098 ng

RT: 7.287 min Scan# 866

Delta R.T. -0.006 min

Lab File: BF143025.D

Acq: 08 Jul 2025 10:54

Tgt Ion:105 Resp: 222206

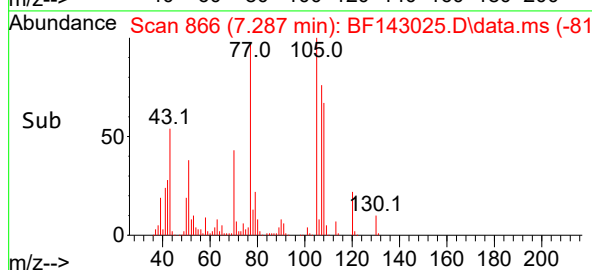
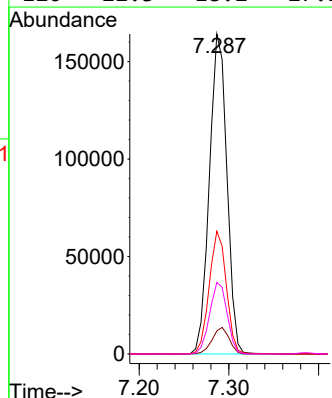
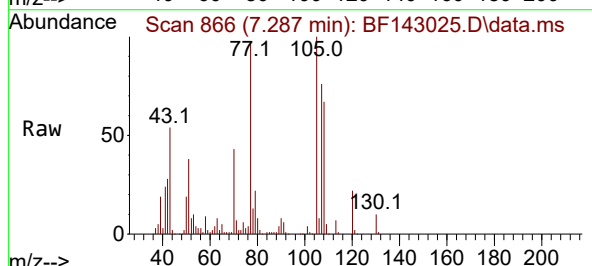
Ion Ratio Lower Upper

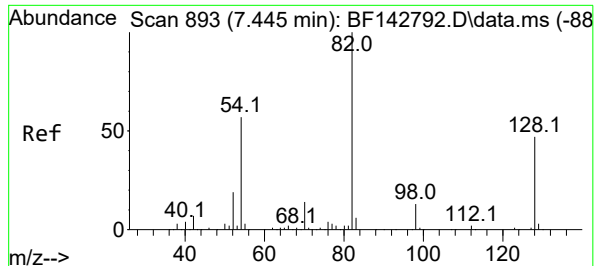
105 100

71 7.2 6.5 9.7

51 38.3 29.8 44.8

120 22.3 18.2 27.2





#23

Nitrobenzene-d5

Concen: 84.546 ng

RT: 7.445 min Scan# 893

Delta R.T. 0.000 min

Lab File: BF143025.D

Acq: 08 Jul 2025 10:54

Instrument :

BNA_F

ClientSampleId :

SSTDCCC040

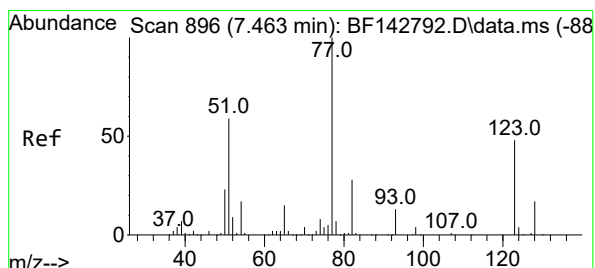
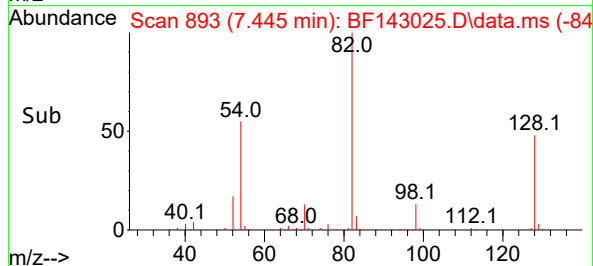
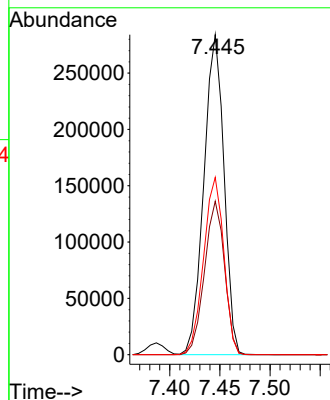
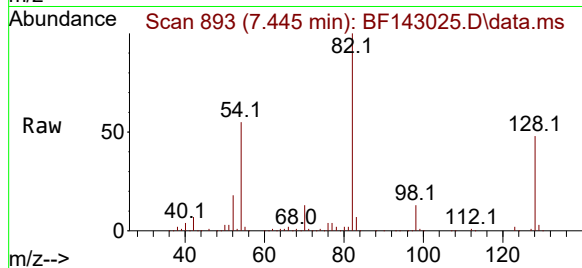
Tgt Ion: 82 Resp: 397254

Ion Ratio Lower Upper

82 100

128 48.0 37.7 56.5

54 55.4 45.7 68.5



#24

Nitrobenzene

Concen: 38.199 ng

RT: 7.463 min Scan# 896

Delta R.T. 0.000 min

Lab File: BF143025.D

Acq: 08 Jul 2025 10:54

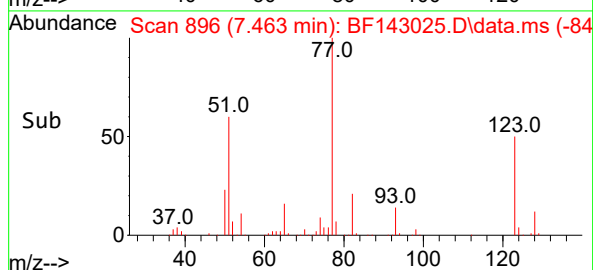
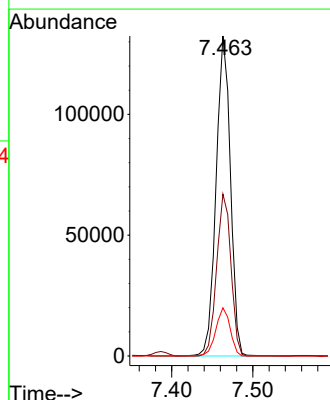
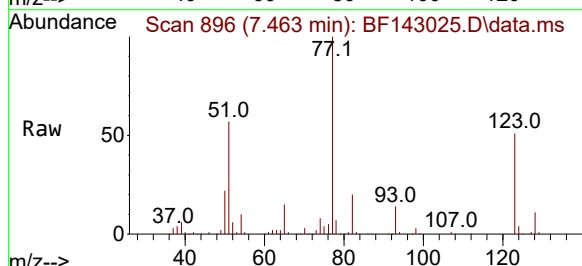
Tgt Ion: 77 Resp: 162450

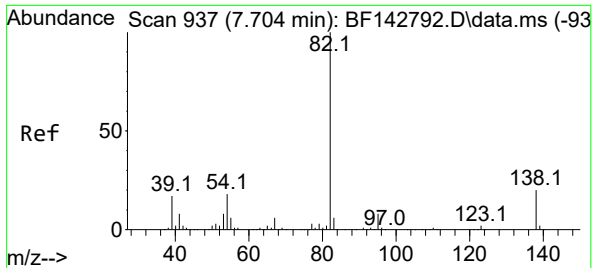
Ion Ratio Lower Upper

77 100

123 50.6 39.2 58.8

65 15.0 11.6 17.4

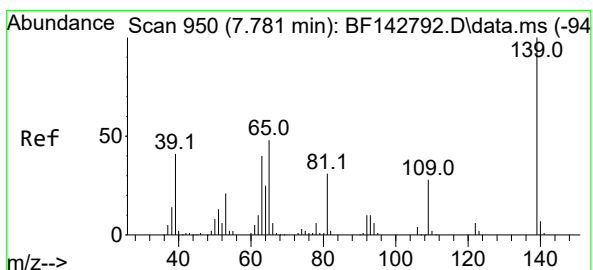
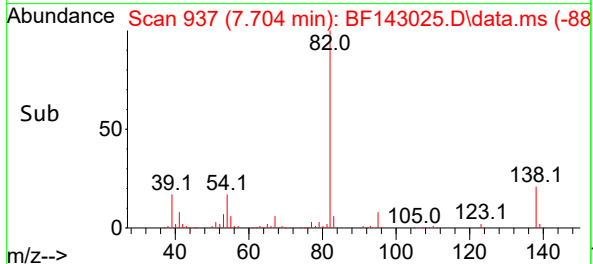
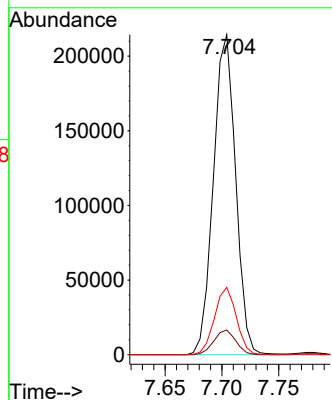
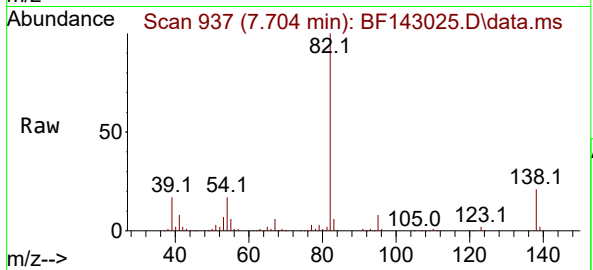




#25
Isophorone
Concen: 38.737 ng
RT: 7.704 min Scan# 91
Delta R.T. 0.000 min
Lab File: BF143025.D
Acq: 08 Jul 2025 10:54

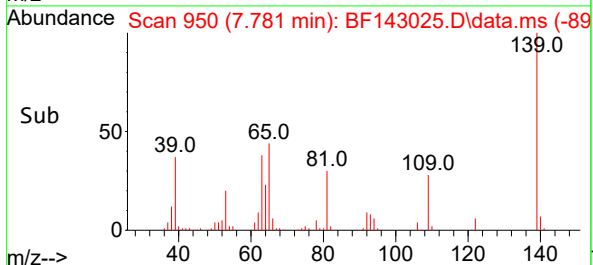
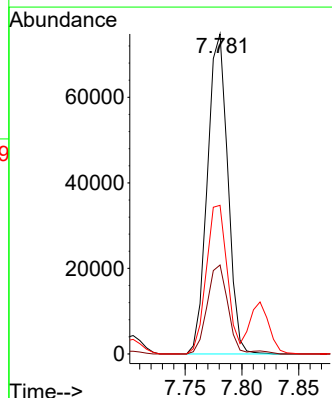
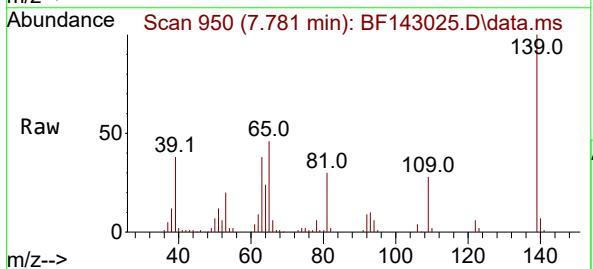
Instrument :
BNA_F
ClientSampleId :
SSTDCCC040

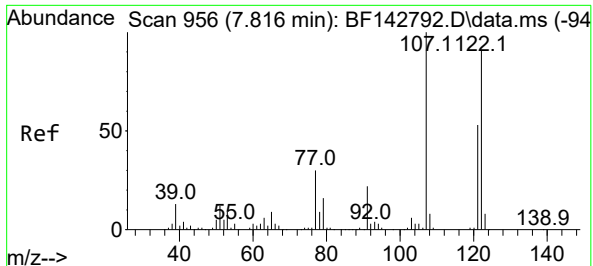
Tgt Ion: 82 Resp: 291979
Ion Ratio Lower Upper
82 100
95 7.7 6.2 9.2
138 21.0 16.2 24.4



#26
2-Nitrophenol
Concen: 40.333 ng
RT: 7.781 min Scan# 950
Delta R.T. 0.000 min
Lab File: BF143025.D
Acq: 08 Jul 2025 10:54

Tgt Ion:139 Resp: 93437
Ion Ratio Lower Upper
139 100
109 27.8 22.7 34.1
65 46.4 38.6 58.0





#27

2,4-Dimethylphenol

Concen: 38.666 ng

RT: 7.816 min Scan# 91

Delta R.T. 0.000 min

Lab File: BF143025.D

Acq: 08 Jul 2025 10:54

Instrument :

BNA_F

ClientSampleId :

SSTDCCC040

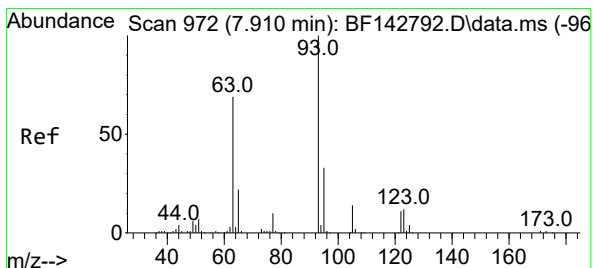
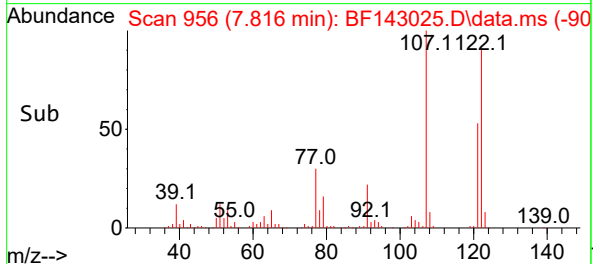
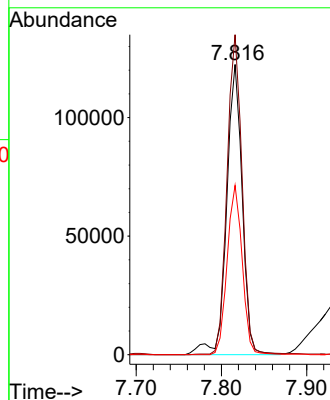
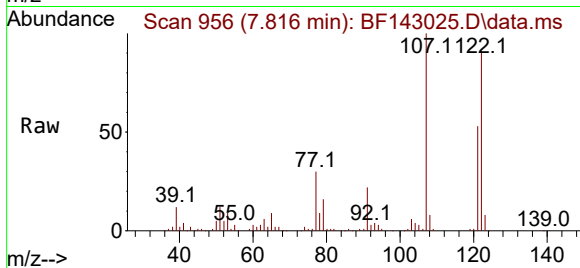
Tgt Ion:122 Resp: 155161

Ion Ratio Lower Upper

122 100

107 110.3 88.0 132.0

121 58.3 46.3 69.5



#28

bis(2-Chloroethoxy)methane

Concen: 38.878 ng

RT: 7.910 min Scan# 972

Delta R.T. 0.000 min

Lab File: BF143025.D

Acq: 08 Jul 2025 10:54

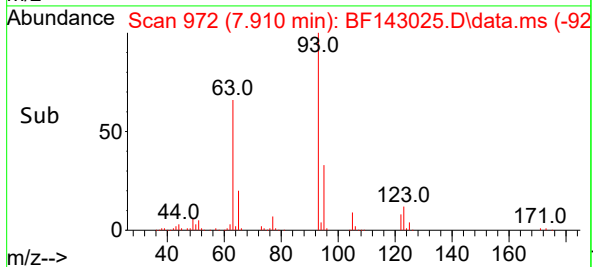
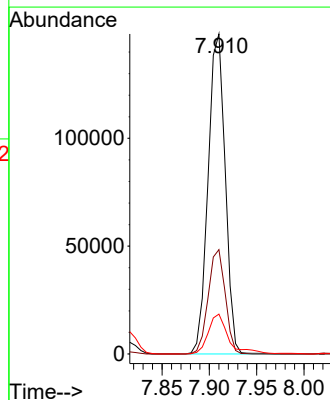
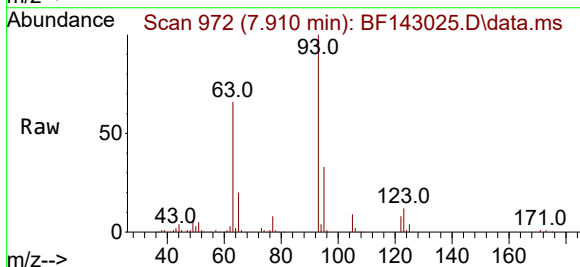
Tgt Ion: 93 Resp: 186301

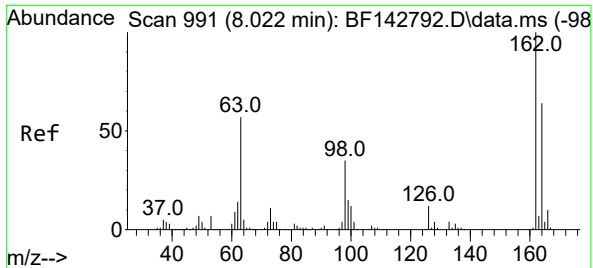
Ion Ratio Lower Upper

93 100

95 32.6 26.2 39.2

123 12.4 9.9 14.9





#29

2,4-Dichlorophenol

Concen: 38.983 ng

RT: 8.022 min Scan# 991

Delta R.T. 0.000 min

Lab File: BF143025.D

Acq: 08 Jul 2025 10:54

Instrument :

BNA_F

ClientSampleId :

SSTDCCC040

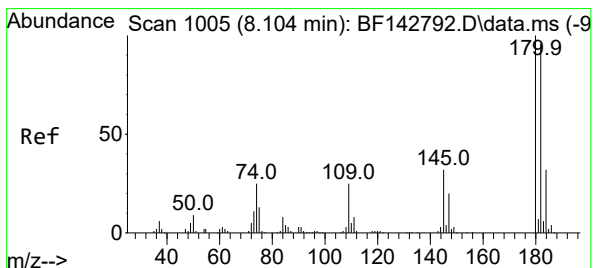
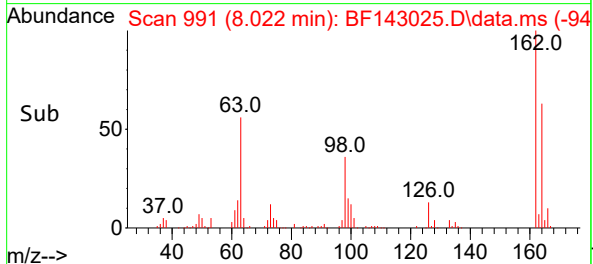
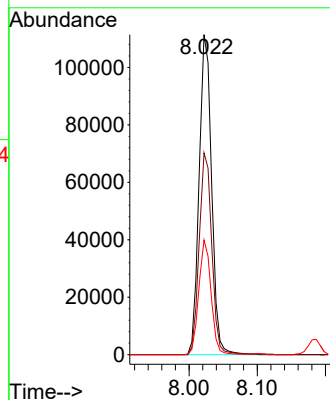
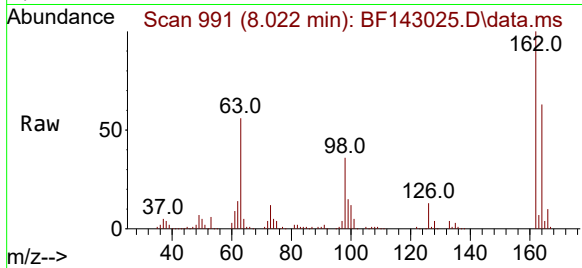
Tgt Ion:162 Resp: 141839

Ion Ratio Lower Upper

162 100

164 63.1 44.0 84.0

98 35.9 15.4 55.4



#30

1,2,4-Trichlorobenzene

Concen: 38.835 ng

RT: 8.104 min Scan# 1005

Delta R.T. 0.000 min

Lab File: BF143025.D

Acq: 08 Jul 2025 10:54

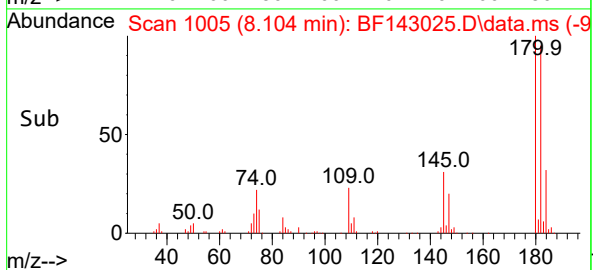
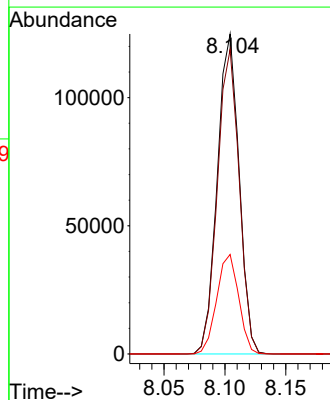
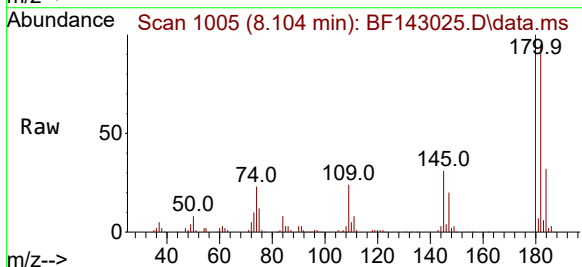
Tgt Ion:180 Resp: 155378

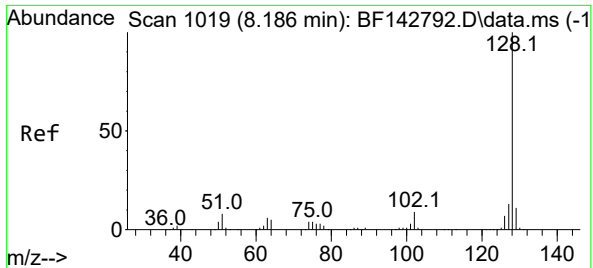
Ion Ratio Lower Upper

180 100

182 95.2 76.4 114.6

145 31.1 25.8 38.8





#31

Naphthalene

Concen: 38.890 ng

RT: 8.187 min Scan# 1019

Delta R.T. 0.000 min

Lab File: BF143025.D

Acq: 08 Jul 2025 10:54

Instrument :

BNA_F

ClientSampleId :

SSTDCCC040

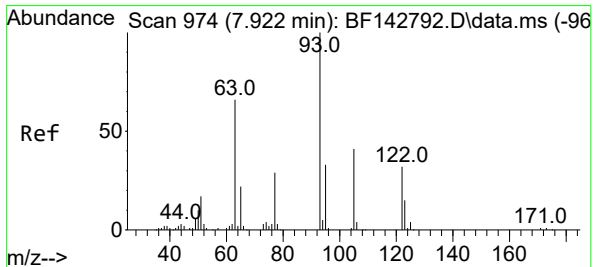
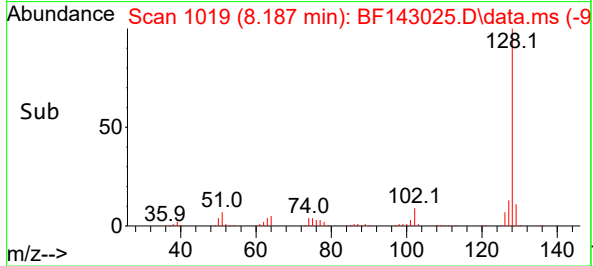
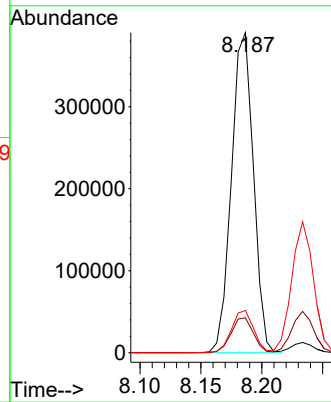
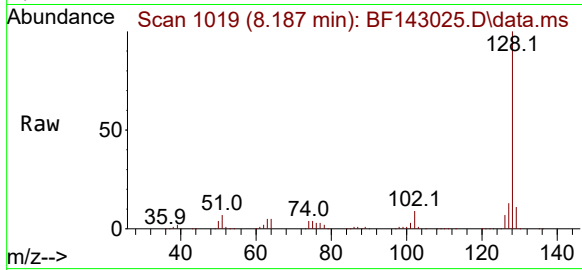
Tgt Ion:128 Resp: 490610

Ion Ratio Lower Upper

128 100

129 10.9 8.9 13.3

127 13.2 10.4 15.6



#32

Benzoic acid

Concen: 35.279 ng

RT: 7.939 min Scan# 977

Delta R.T. 0.018 min

Lab File: BF143025.D

Acq: 08 Jul 2025 10:54

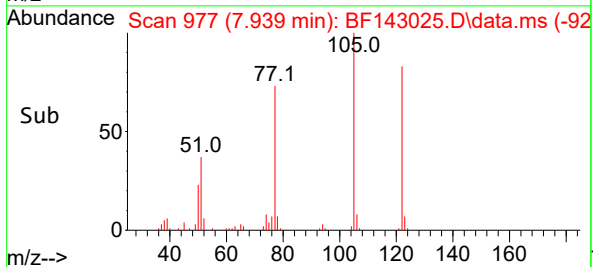
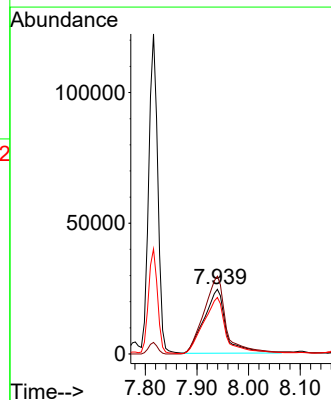
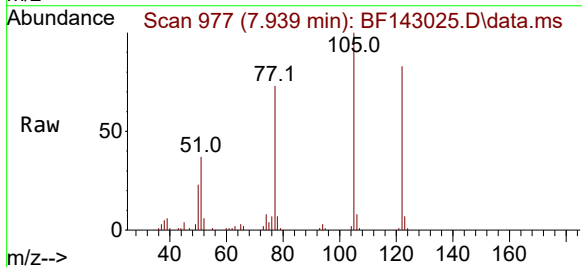
Tgt Ion:122 Resp: 72155

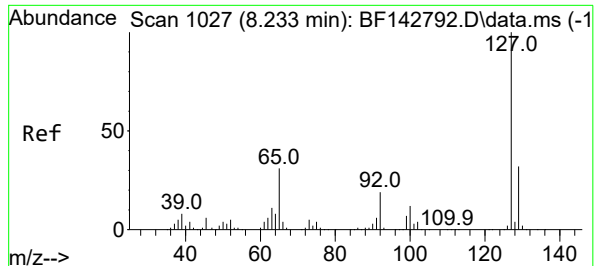
Ion Ratio Lower Upper

122 100

105 120.3 104.7 144.7

77 87.4 70.2 110.2





#33

4-Chloroaniline

Concen: 39.314 ng

RT: 8.234 min Scan# 1027

Delta R.T. 0.000 min

Lab File: BF143025.D

Acq: 08 Jul 2025 10:54

Instrument :

BNA_F

ClientSampleId :

SSTDCCC040

Tgt Ion:127 Resp: 201664

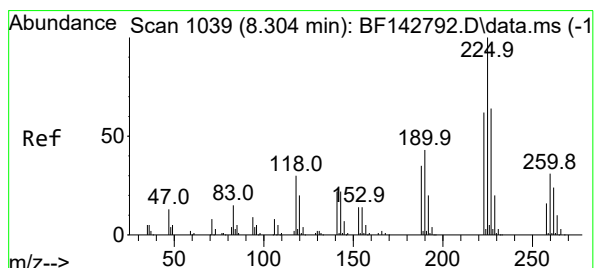
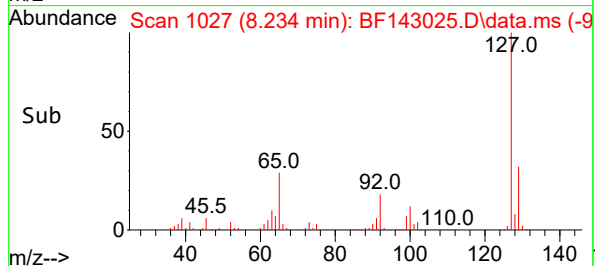
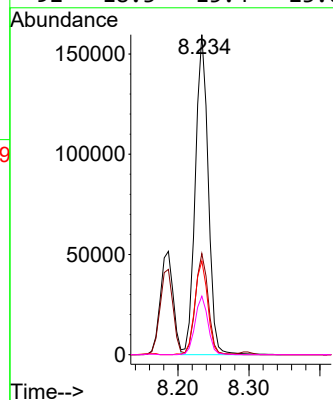
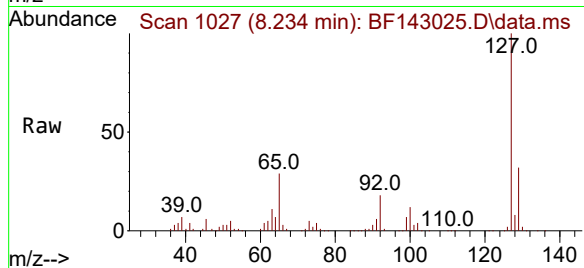
Ion Ratio Lower Upper

127 100

129 31.6 25.9 38.9

65 29.3 24.6 36.8

92 18.3 15.4 23.0



#34

Hexachlorobutadiene

Concen: 39.023 ng

RT: 8.298 min Scan# 1038

Delta R.T. -0.006 min

Lab File: BF143025.D

Acq: 08 Jul 2025 10:54

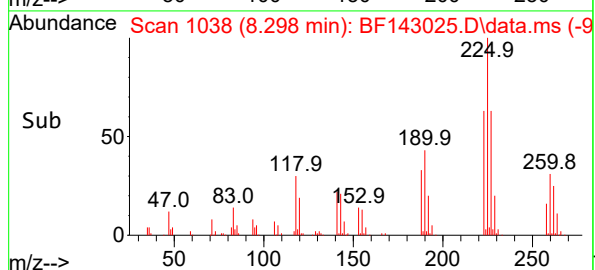
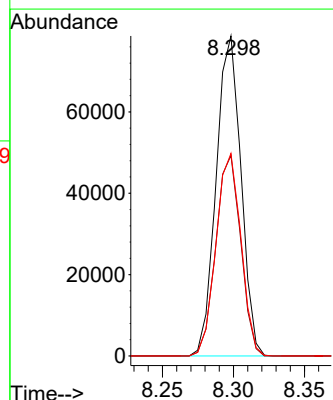
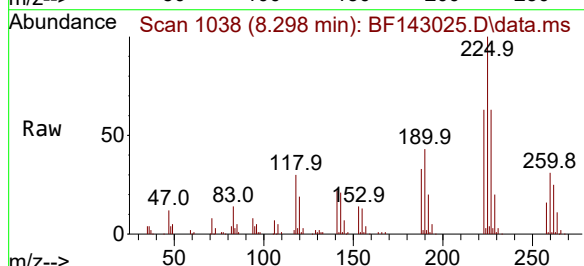
Tgt Ion:225 Resp: 95500

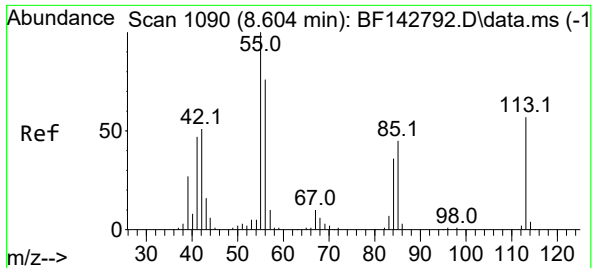
Ion Ratio Lower Upper

225 100

223 62.6 49.9 74.9

227 63.3 51.4 77.0

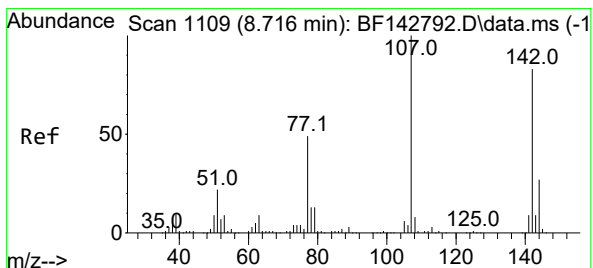
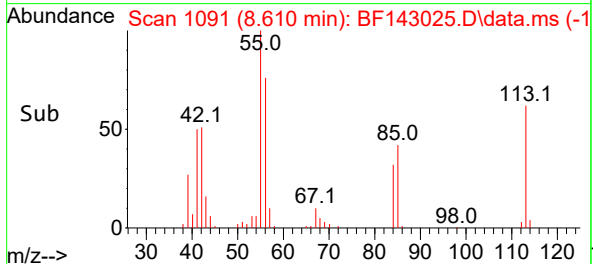
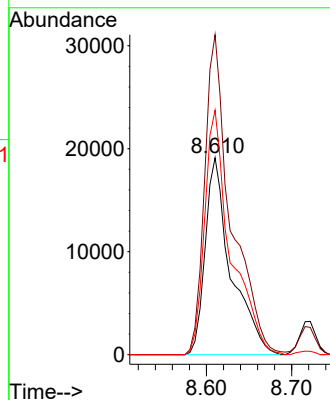
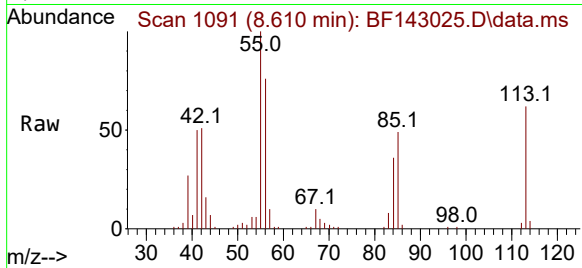




#35
Caprolactam
Concen: 41.901 ng
RT: 8.610 min Scan# 1109
Delta R.T. 0.006 min
Lab File: BF143025.D
Acq: 08 Jul 2025 10:54

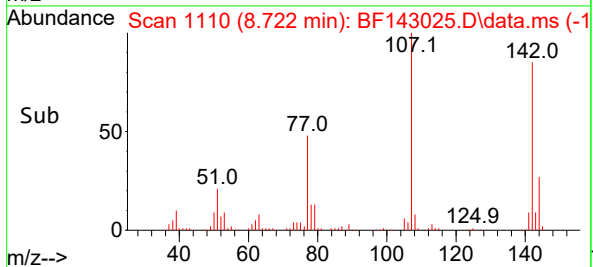
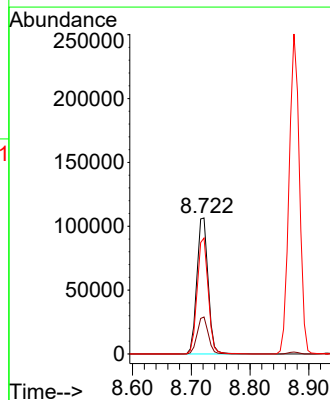
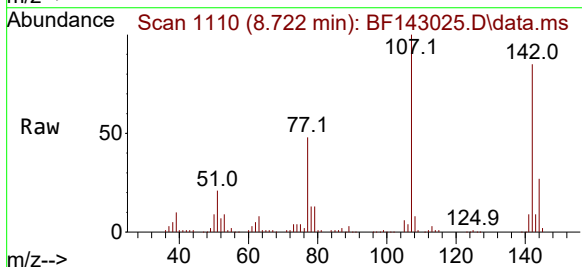
Instrument :
BNA_F
ClientSampleId :
SSTDCCC040

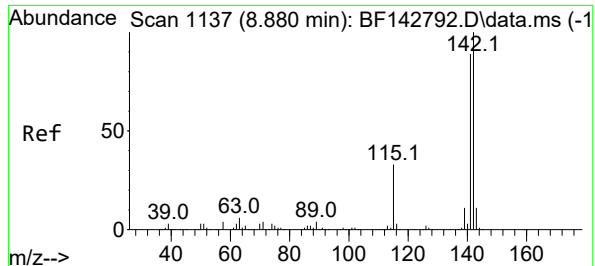
Tgt Ion:113 Resp: 40230
Ion Ratio Lower Upper
113 100
55 162.4 154.4 194.4
56 124.1 112.1 152.1



#36
4-Chloro-3-methylphenol
Concen: 39.303 ng
RT: 8.722 min Scan# 1110
Delta R.T. 0.006 min
Lab File: BF143025.D
Acq: 08 Jul 2025 10:54

Tgt Ion:107 Resp: 142124
Ion Ratio Lower Upper
107 100
144 27.2 21.3 31.9
142 85.2 66.6 100.0

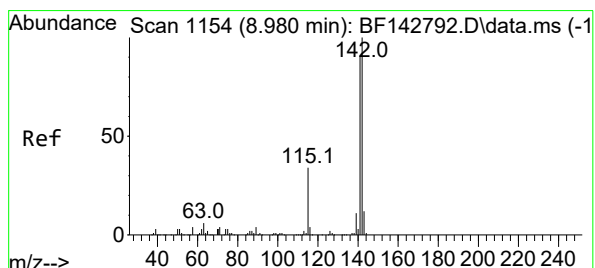
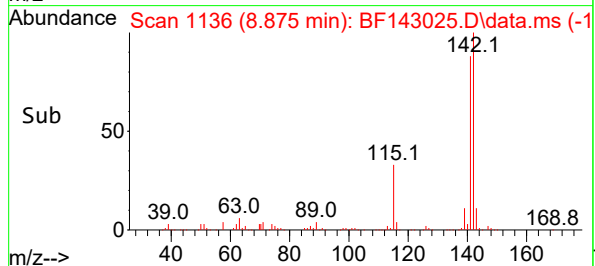
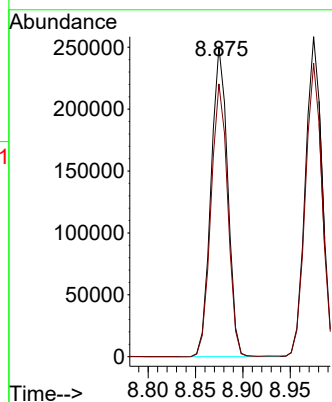
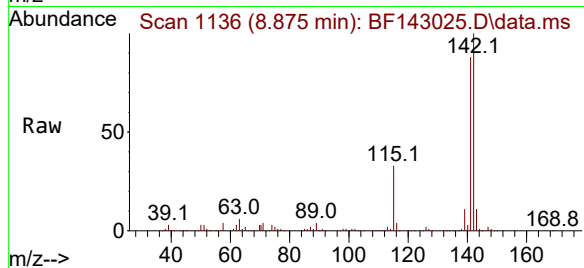




#37
2-Methylnaphthalene
Concen: 39.127 ng
RT: 8.875 min Scan# 1136
Delta R.T. -0.006 min
Lab File: BF143025.D
Acq: 08 Jul 2025 10:54

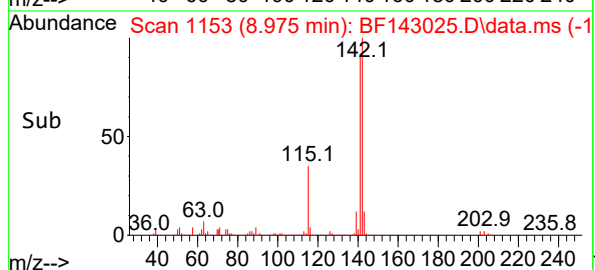
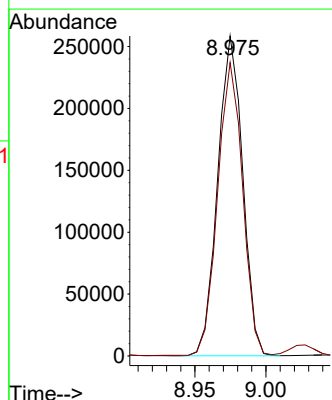
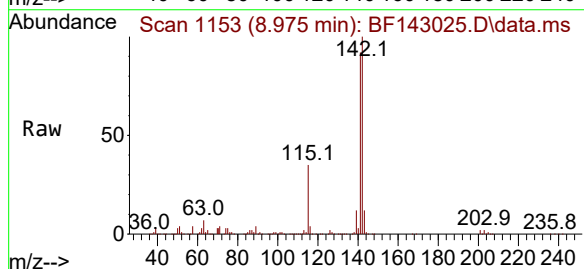
Instrument :
BNA_F
ClientSampleId :
SSTDCCC040

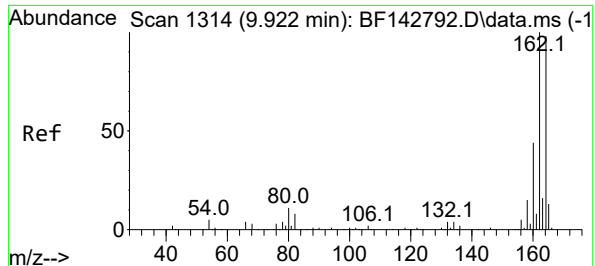
Tgt Ion:142 Resp: 306009
Ion Ratio Lower Upper
142 100
141 88.0 70.9 106.3



#38
1-Methylnaphthalene
Concen: 38.925 ng
RT: 8.975 min Scan# 1153
Delta R.T. -0.006 min
Lab File: BF143025.D
Acq: 08 Jul 2025 10:54

Tgt Ion:142 Resp: 315141
Ion Ratio Lower Upper
142 100
141 91.7 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: BF143025.D

Acq: 08 Jul 2025 10:54

Instrument :

BNA_F

ClientSampleId :

SSTDCCC040

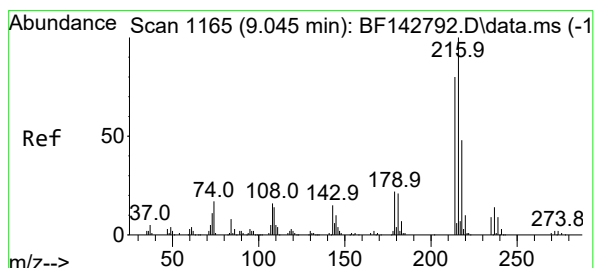
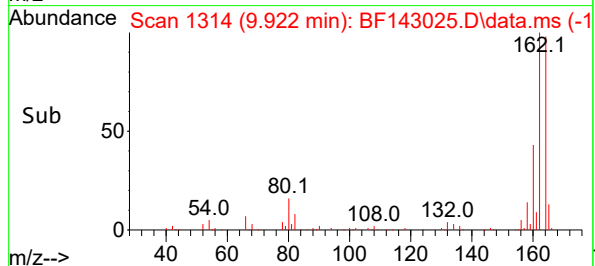
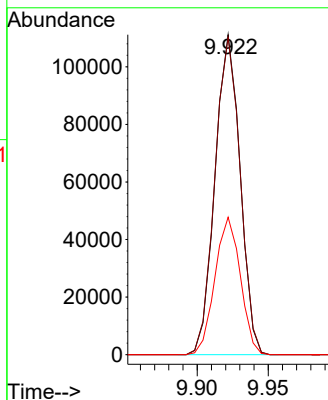
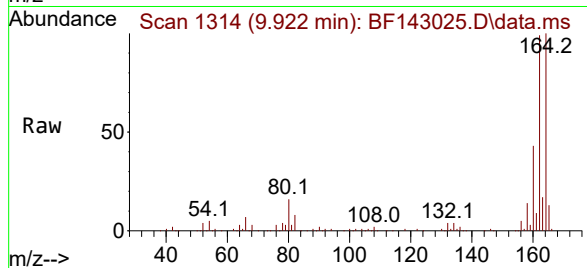
Tgt Ion:164 Resp: 136330

Ion Ratio Lower Upper

164 100

162 99.1 81.8 122.8

160 43.0 36.0 54.0



#40

1,2,4,5-Tetrachlorobenzene

Concen: 38.905 ng

RT: 9.045 min Scan# 1165

Delta R.T. 0.000 min

Lab File: BF143025.D

Acq: 08 Jul 2025 10:54

Tgt Ion:216 Resp: 156502

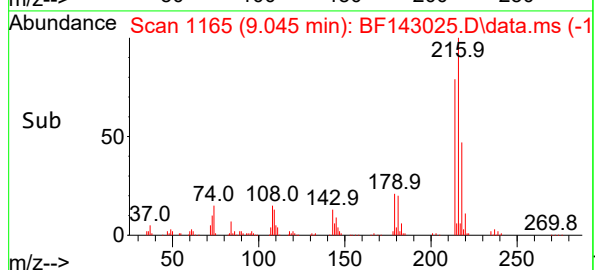
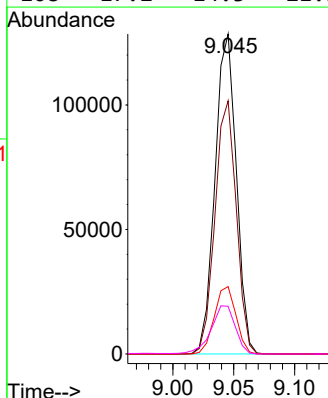
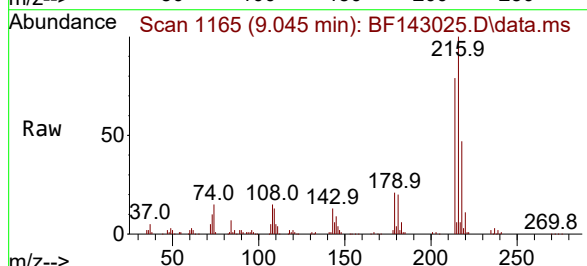
Ion Ratio Lower Upper

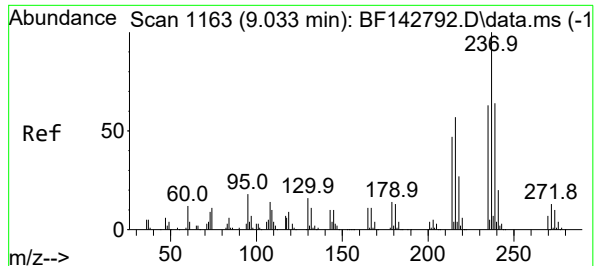
216 100

214 79.0 63.7 95.5

179 21.4 17.6 26.4

108 17.2 14.3 21.5





#41

Hexachlorocyclopentadiene

Concen: 40.686 ng

RT: 9.028 min Scan# 1162

Delta R.T. -0.006 min

Lab File: BF143025.D

Acq: 08 Jul 2025 10:54

Instrument :

BNA_F

ClientSampleId :

SSTDCCC040

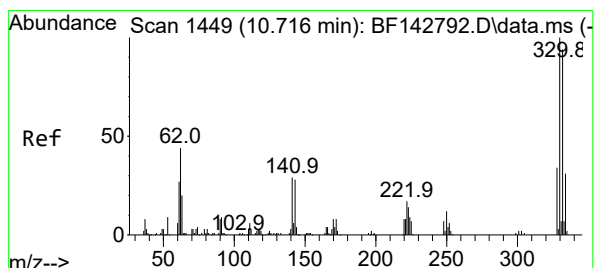
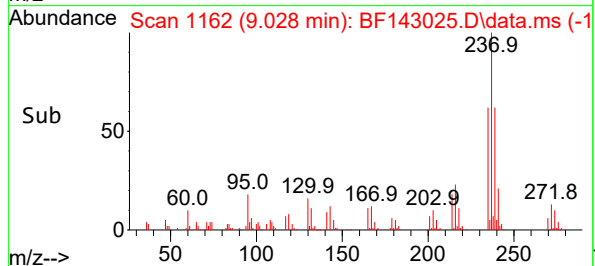
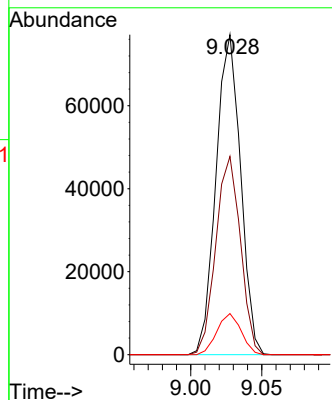
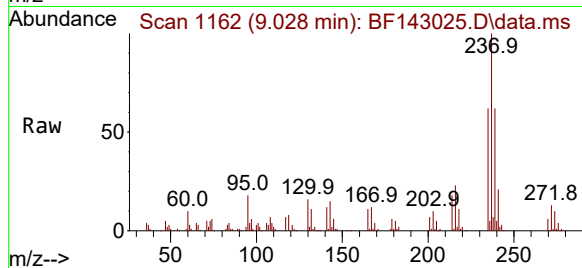
Tgt Ion:237 Resp: 92877

Ion Ratio Lower Upper

237 100

235 61.9 43.4 83.4

272 12.8 0.0 32.7



#42

2,4,6-Tribromophenol

Concen: 77.630 ng

RT: 10.716 min Scan# 1449

Delta R.T. -0.000 min

Lab File: BF143025.D

Acq: 08 Jul 2025 10:54

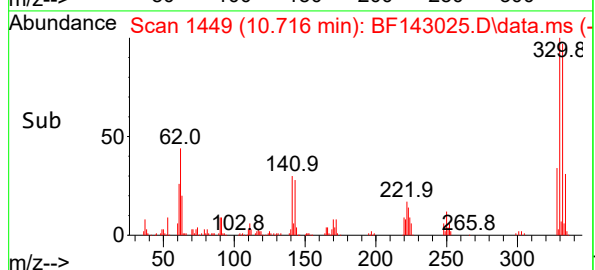
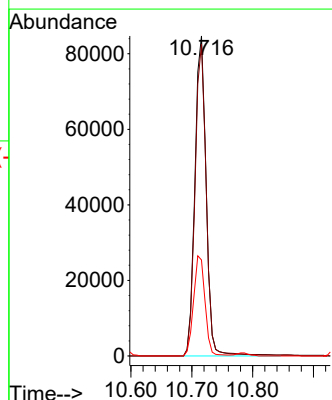
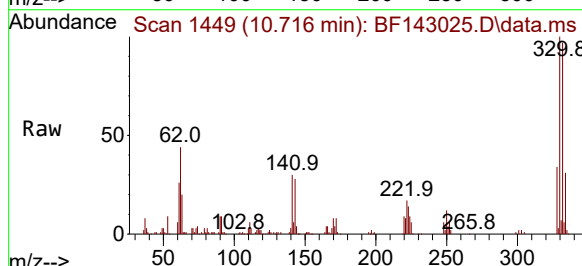
Tgt Ion:330 Resp: 108910

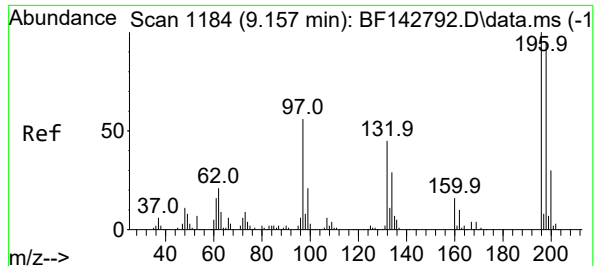
Ion Ratio Lower Upper

330 100

332 97.1 75.0 112.6

141 31.8 25.3 37.9





#43

2,4,6-Trichlorophenol

Concen: 38.180 ng

RT: 9.157 min Scan# 1184

Delta R.T. 0.000 min

Lab File: BF143025.D

Acq: 08 Jul 2025 10:54

Instrument :

BNA_F

ClientSampleId :

SSTDCCC040

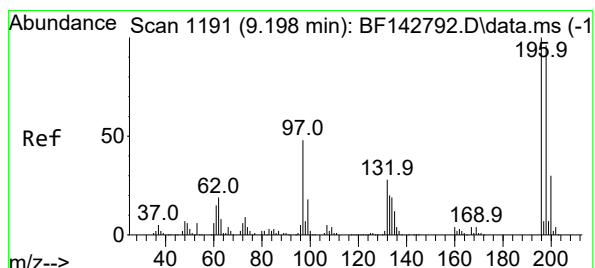
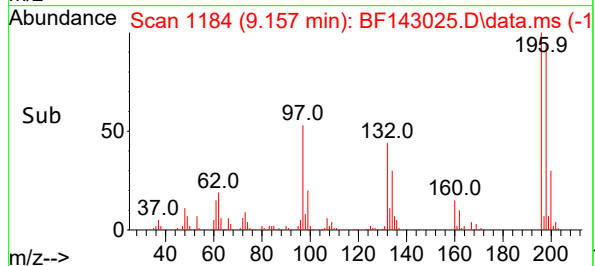
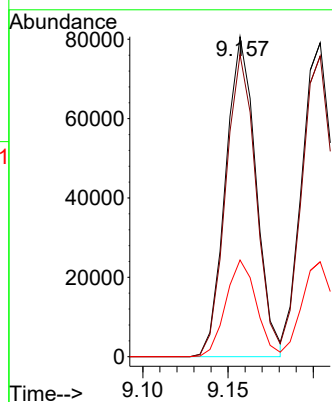
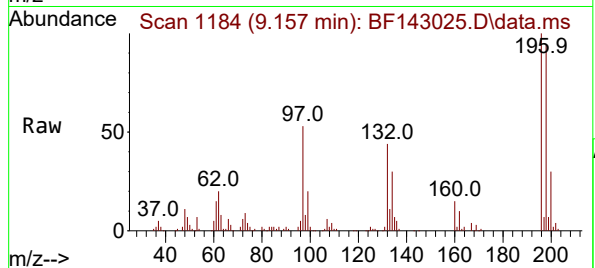
Tgt Ion:196 Resp: 100080

Ion Ratio Lower Upper

196 100

198 94.4 76.2 114.2

200 30.2 24.1 36.1



#44

2,4,5-Trichlorophenol

Concen: 37.813 ng

RT: 9.204 min Scan# 1192

Delta R.T. 0.006 min

Lab File: BF143025.D

Acq: 08 Jul 2025 10:54

Tgt Ion:196 Resp: 104339

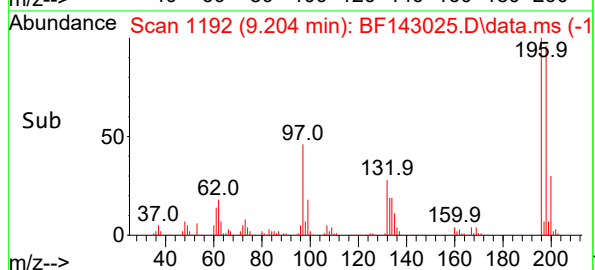
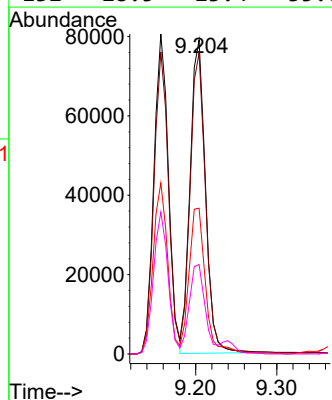
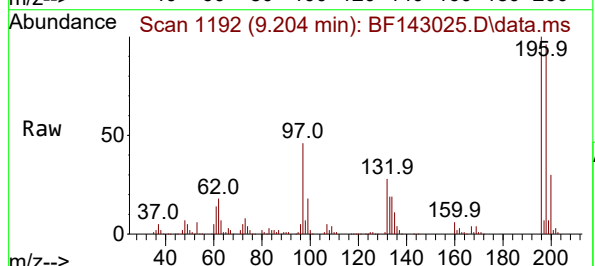
Ion Ratio Lower Upper

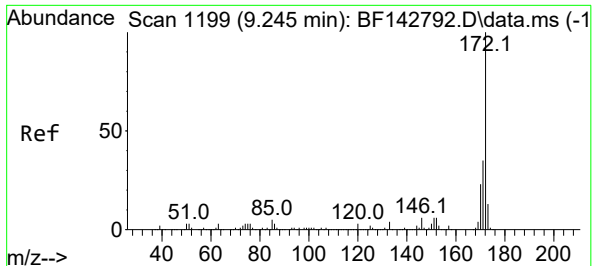
196 100

198 95.8 76.6 115.0

97 46.4 38.2 57.2

132 28.5 23.4 35.0





#45

2-Fluorobiphenyl

Concen: 81.561 ng

RT: 9.239 min Scan# 1199

Delta R.T. -0.006 min

Lab File: BF143025.D

Acq: 08 Jul 2025 10:54

Instrument :

BNA_F

ClientSampleId :

SSTDCCC040

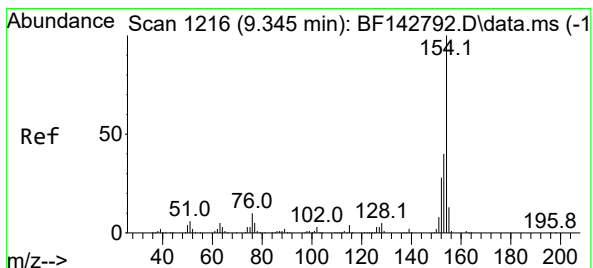
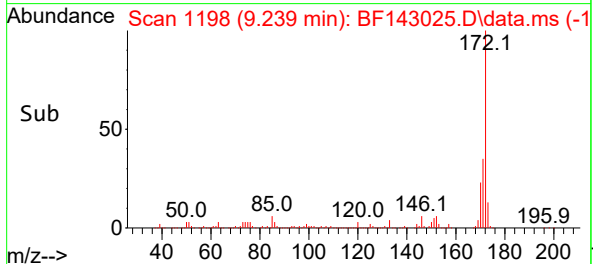
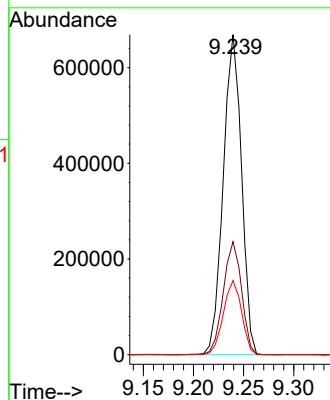
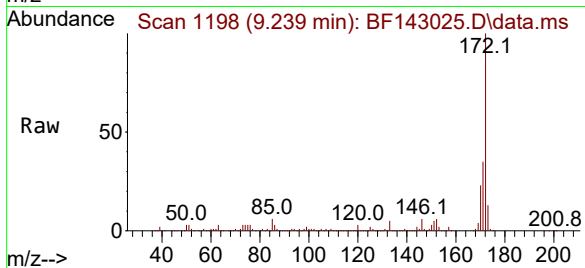
Tgt Ion:172 Resp: 846426

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: 38.145 ng

RT: 9.339 min Scan# 1215

Delta R.T. -0.006 min

Lab File: BF143025.D

Acq: 08 Jul 2025 10:54

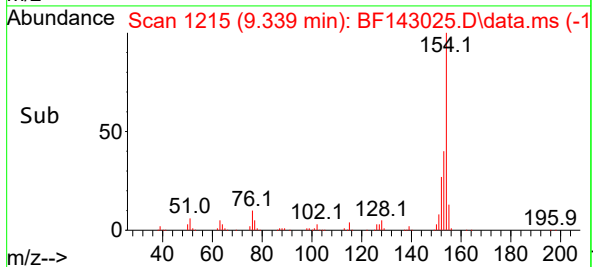
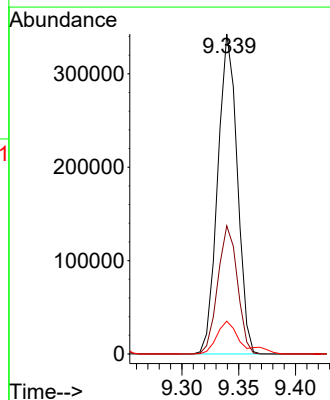
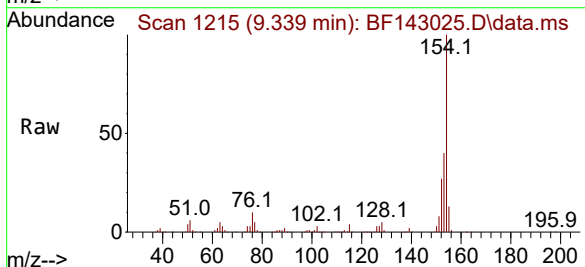
Tgt Ion:154 Resp: 410792

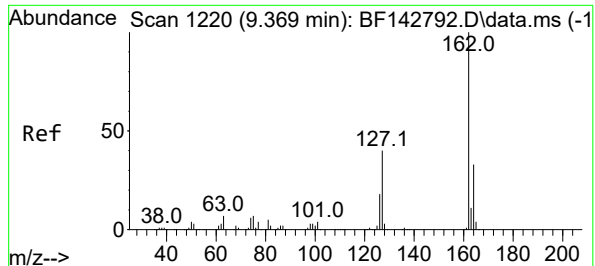
Ion Ratio Lower Upper

154 100

153 40.1 20.3 60.3

76 10.2 0.0 30.3





#47

2-Chloronaphthalene

Concen: 37.941 ng

RT: 9.369 min Scan# 1220

Delta R.T. 0.000 min

Lab File: BF143025.D

Acq: 08 Jul 2025 10:54

Instrument :

BNA_F

ClientSampleId :

SSTDCCC040

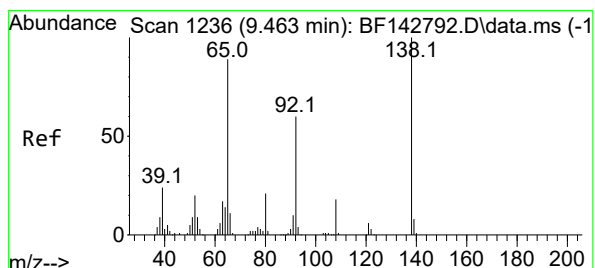
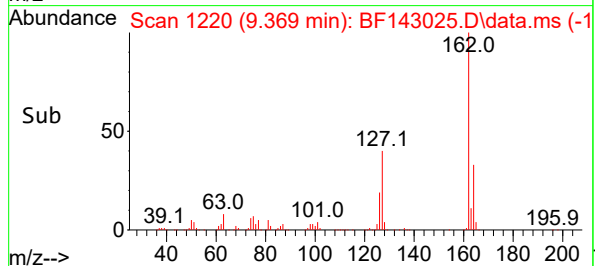
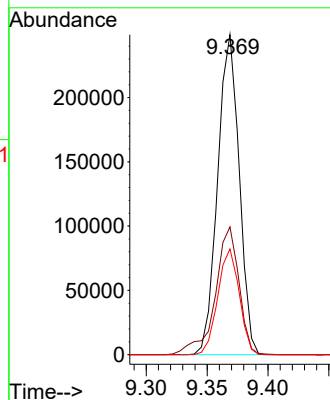
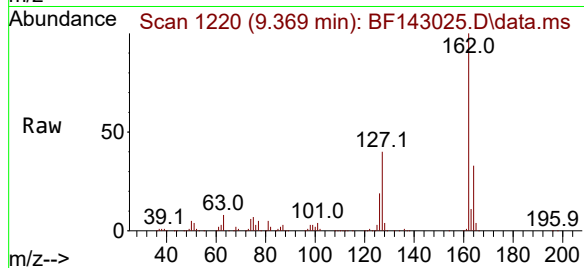
Tgt Ion:162 Resp: 306622

Ion Ratio Lower Upper

162 100

127 40.0 32.2 48.2

164 33.1 26.1 39.1



#48

2-Nitroaniline

Concen: 39.256 ng

RT: 9.463 min Scan# 1236

Delta R.T. 0.000 min

Lab File: BF143025.D

Acq: 08 Jul 2025 10:54

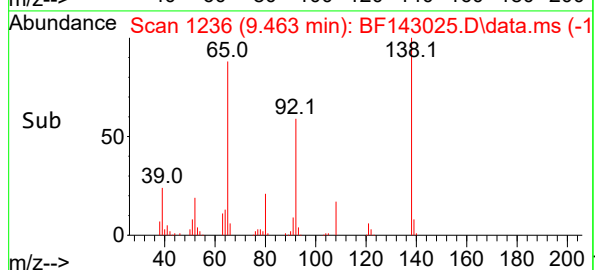
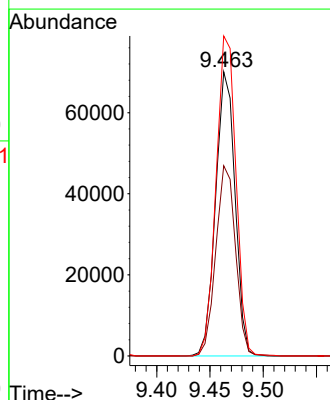
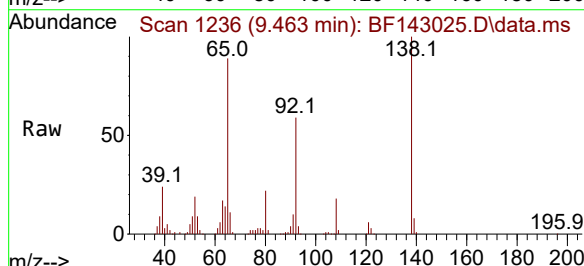
Tgt Ion: 65 Resp: 88943

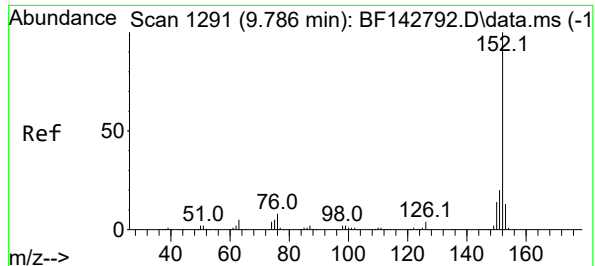
Ion Ratio Lower Upper

65 100

92 66.9 53.8 80.6

138 112.6 89.6 134.4





#49

Acenaphthylene

Concen: 37.997 ng

RT: 9.781 min Scan# 11

Delta R.T. -0.006 min

Lab File: BF143025.D

Acq: 08 Jul 2025 10:54

Instrument :

BNA_F

ClientSampleId :

SSTDCCC040

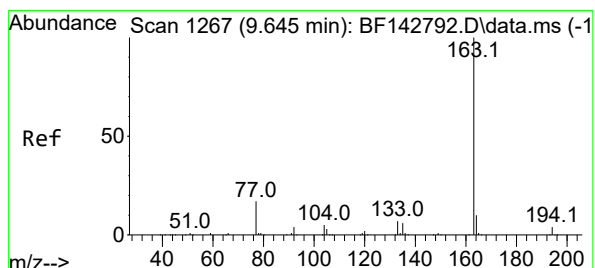
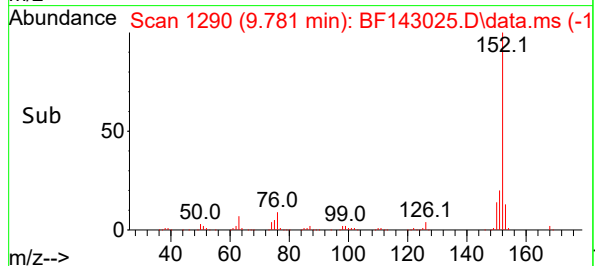
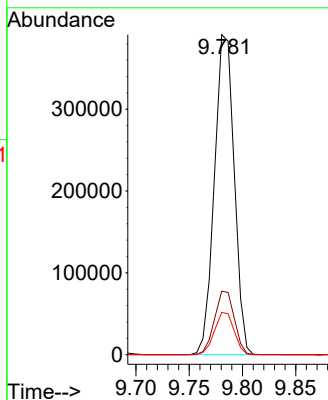
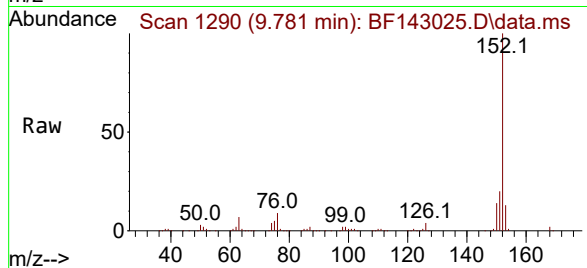
Tgt Ion:152 Resp: 505519

Ion Ratio Lower Upper

152 100

151 19.8 16.1 24.1

153 13.2 10.4 15.6



#50

Dimethylphthalate

Concen: 39.752 ng

RT: 9.639 min Scan# 1266

Delta R.T. -0.006 min

Lab File: BF143025.D

Acq: 08 Jul 2025 10:54

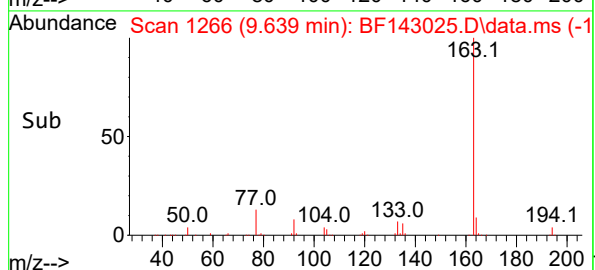
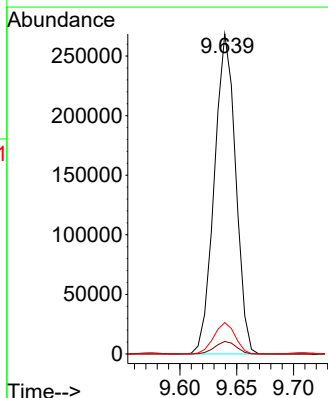
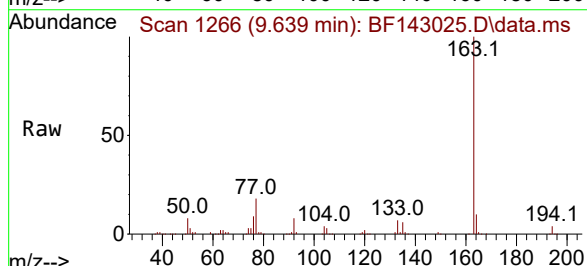
Tgt Ion:163 Resp: 350801

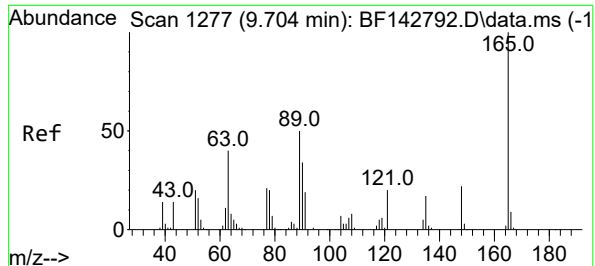
Ion Ratio Lower Upper

163 100

194 3.9 3.3 4.9

164 9.8 8.0 12.0

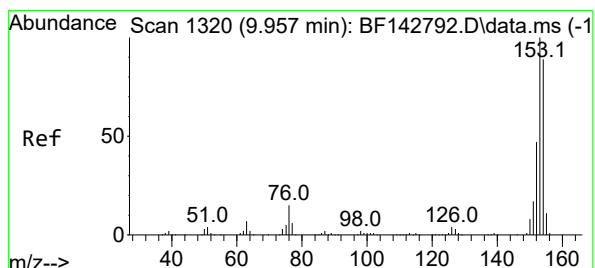
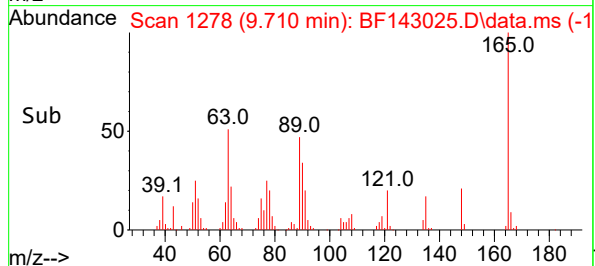
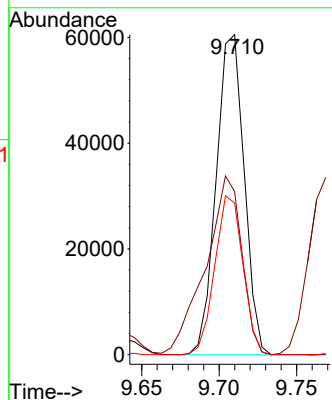
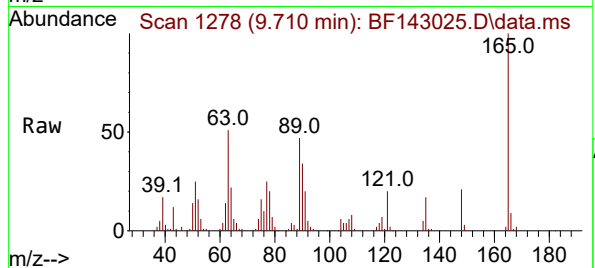




#51
2,6-Dinitrotoluene
Concen: 39.188 ng
RT: 9.710 min Scan# 1277
Delta R.T. 0.006 min
Lab File: BF143025.D
Acq: 08 Jul 2025 10:54

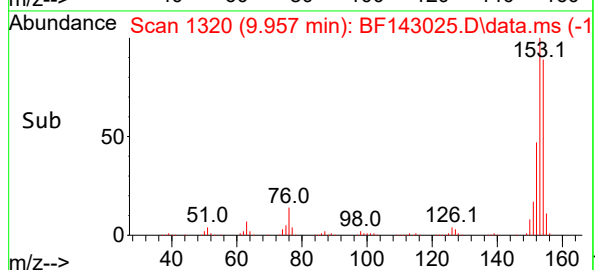
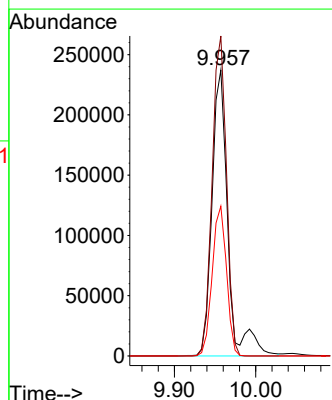
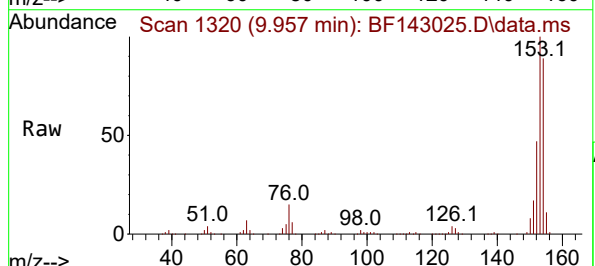
Instrument :
BNA_F
ClientSampleId :
SSTDCCC040

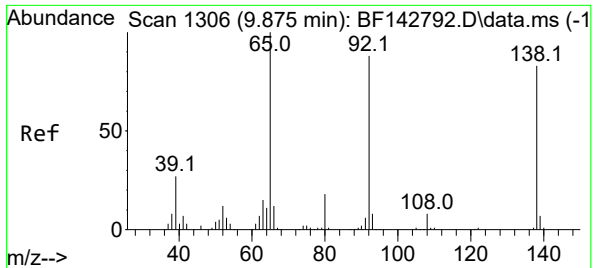
Tgt Ion:165 Resp: 75946
Ion Ratio Lower Upper
165 100
63 51.0 44.2 66.4
89 47.4 39.8 59.8



#52
Acenaphthene
Concen: 39.643 ng m
RT: 9.957 min Scan# 1320
Delta R.T. 0.000 min
Lab File: BF143025.D
Acq: 08 Jul 2025 10:54

Tgt Ion:154 Resp: 321787
Ion Ratio Lower Upper
154 100
153 111.9 90.0 135.0
152 52.4 41.9 62.9





#53

3-Nitroaniline

Concen: 38.881 ng

RT: 9.881 min Scan# 1307

Delta R.T. 0.006 min

Lab File: BF143025.D

Acq: 08 Jul 2025 10:54

Instrument :

BNA_F

ClientSampleId :

SSTDCCC040

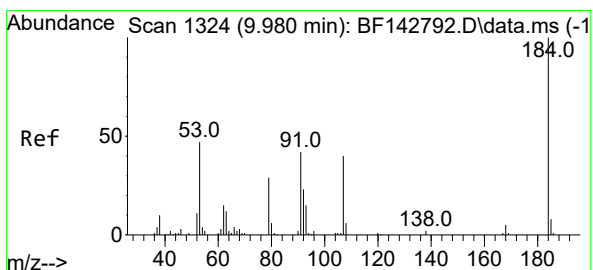
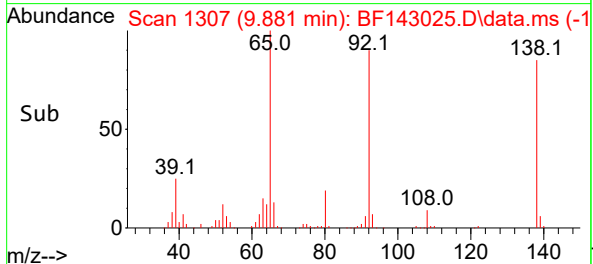
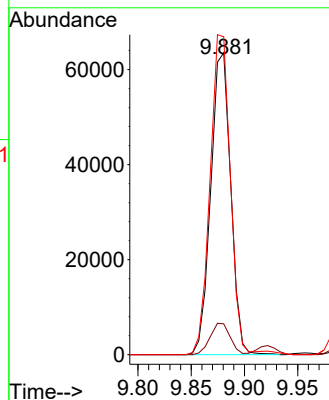
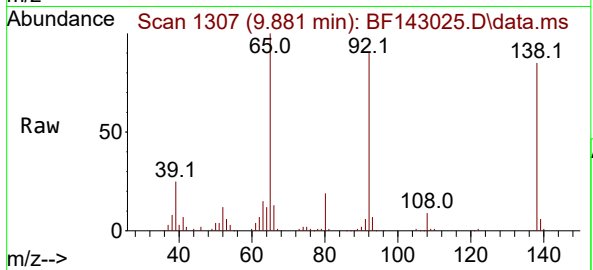
Tgt Ion:138 Resp: 82962

Ion Ratio Lower Upper

138 100

108 10.2 8.1 12.1

92 105.3 85.1 127.7



#54

2,4-Dinitrophenol

Concen: 52.757 ng

RT: 9.992 min Scan# 1326

Delta R.T. 0.012 min

Lab File: BF143025.D

Acq: 08 Jul 2025 10:54

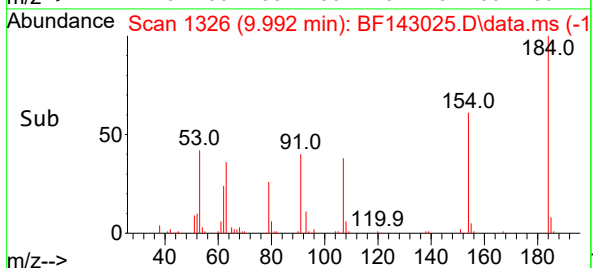
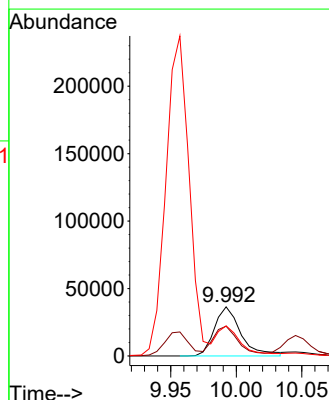
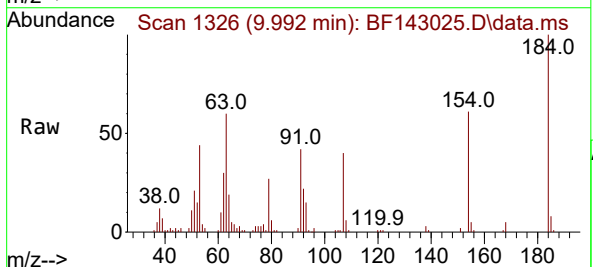
Tgt Ion:184 Resp: 51195

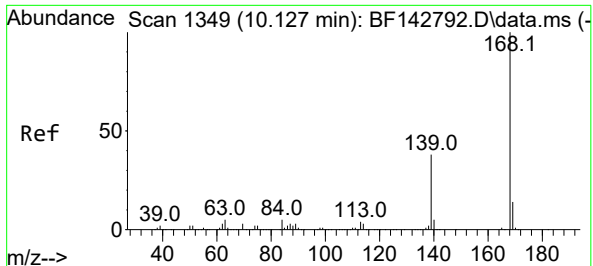
Ion Ratio Lower Upper

184 100

63 60.4 50.6 75.8

154 61.1 51.8 77.8





#55

Dibenzofuran

Concen: 38.268 ng

RT: 10.128 min Scan# 1

Delta R.T. 0.000 min

Lab File: BF143025.D

Acq: 08 Jul 2025 10:54

Instrument :

BNA_F

ClientSampleId :

SSTDCCC040

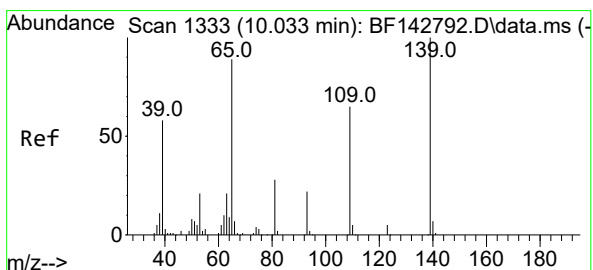
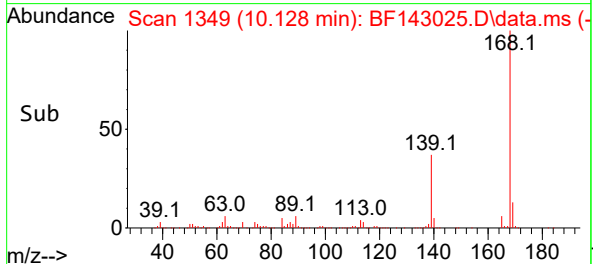
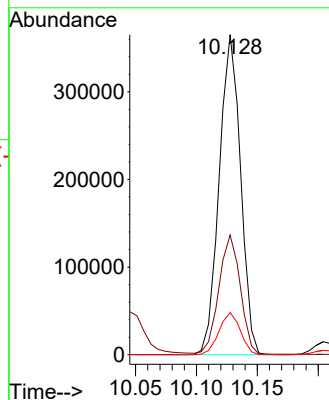
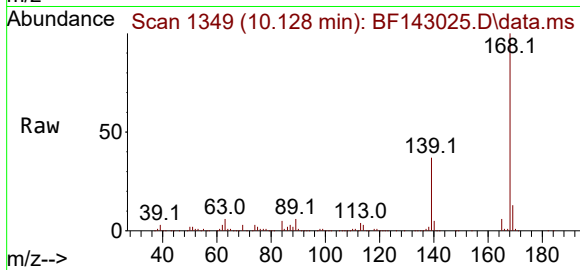
Tgt Ion:168 Resp: 445423

Ion Ratio Lower Upper

168 100

139 37.4 30.2 45.4

169 13.2 10.8 16.2



#56

4-Nitrophenol

Concen: 48.300 ng

RT: 10.045 min Scan# 1335

Delta R.T. 0.012 min

Lab File: BF143025.D

Acq: 08 Jul 2025 10:54

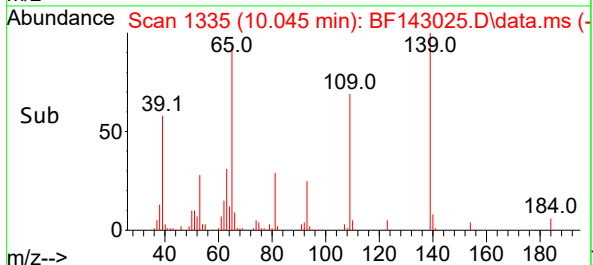
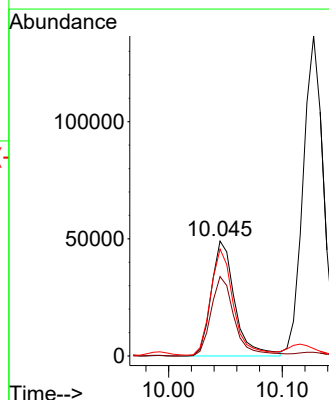
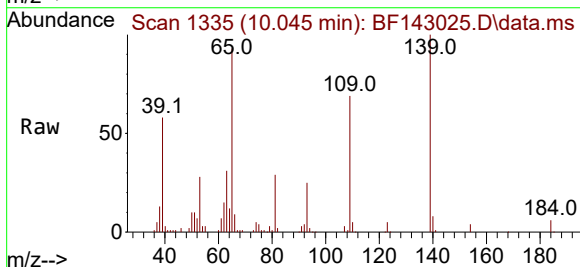
Tgt Ion:139 Resp: 70555

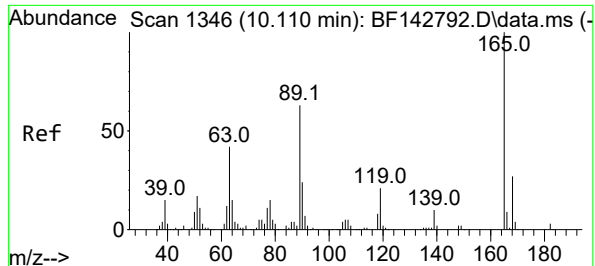
Ion Ratio Lower Upper

139 100

109 69.1 44.7 84.7

65 93.1 69.8 109.8

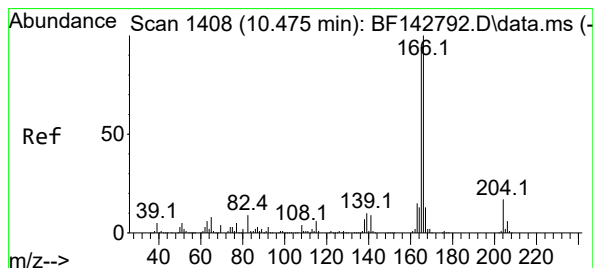
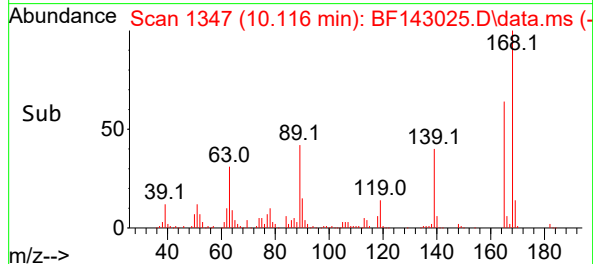
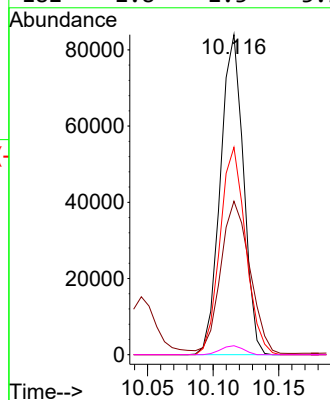
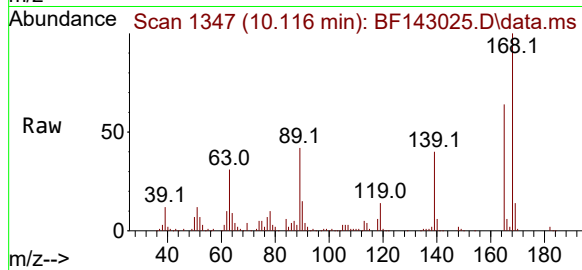




#57
2,4-Dinitrotoluene
Concen: 39.860 ng
RT: 10.116 min Scan# 11
Delta R.T. 0.006 min
Lab File: BF143025.D
Acq: 08 Jul 2025 10:54

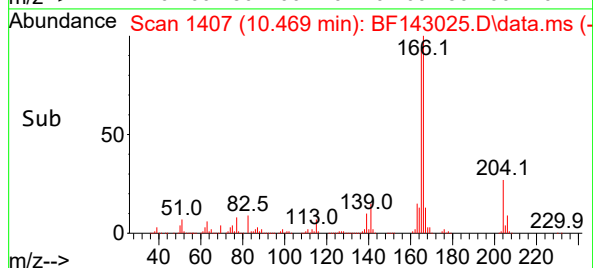
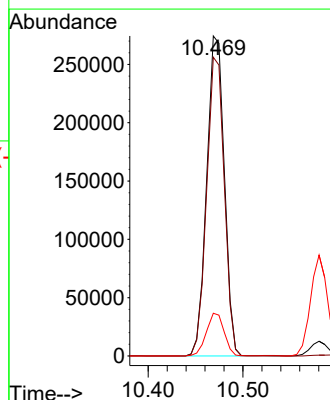
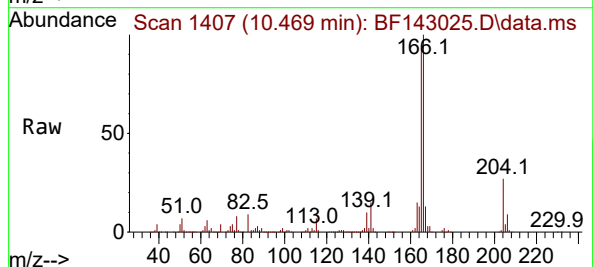
Instrument :
BNA_F
ClientSampleId :
SSTDCCC040

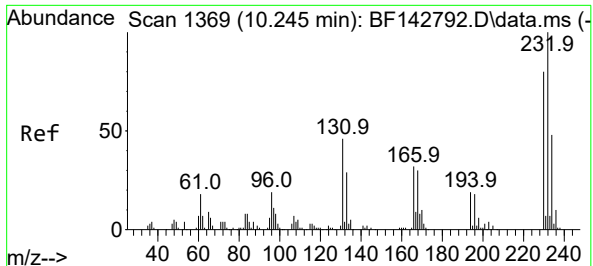
Tgt Ion:165 Resp: 102608
Ion Ratio Lower Upper
165 100
63 48.0 33.9 50.9
89 64.8 50.6 75.8
182 2.8 2.3 3.5



#58
Fluorene
Concen: 39.038 ng
RT: 10.469 min Scan# 1407
Delta R.T. -0.006 min
Lab File: BF143025.D
Acq: 08 Jul 2025 10:54

Tgt Ion:166 Resp: 354875
Ion Ratio Lower Upper
166 100
165 93.3 75.2 112.8
167 13.4 10.6 15.8

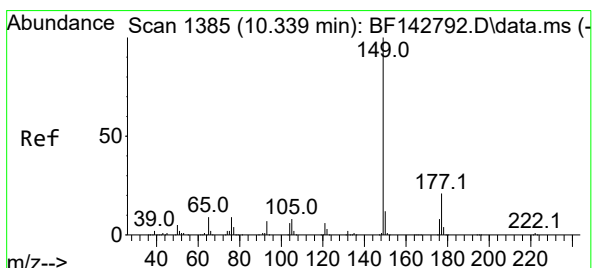
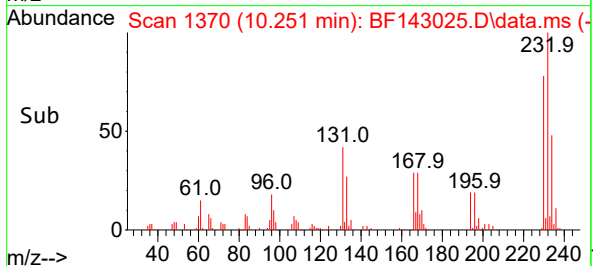
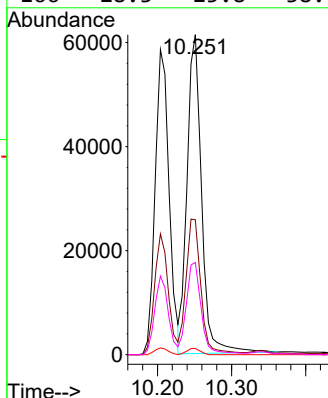
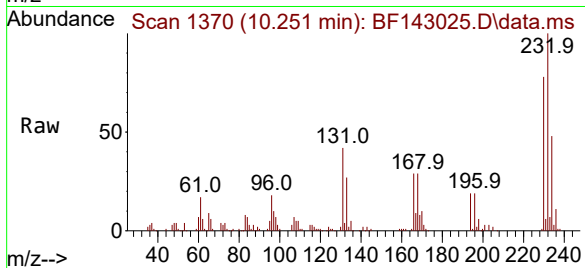




#59
2,3,4,6-Tetrachlorophenol
Concen: 37.618 ng
RT: 10.251 min Scan# 1370
Delta R.T. 0.006 min
Lab File: BF143025.D
Acq: 08 Jul 2025 10:54

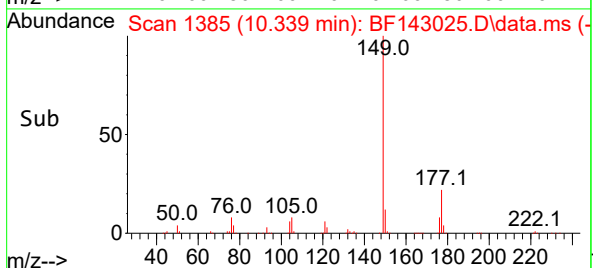
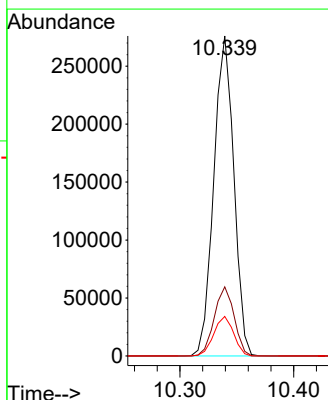
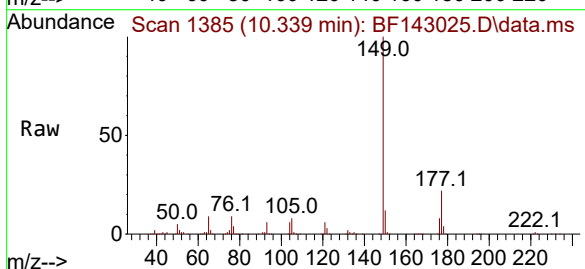
Instrument :
BNA_F
ClientSampleId :
SSTDCCC040

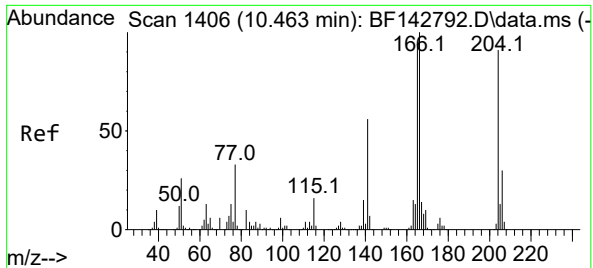
Tgt Ion:232 Resp: 83670
Ion Ratio Lower Upper
232 100
131 43.0 37.6 56.4
130 1.8 1.7 2.5
166 28.3 25.8 38.6



#60
Diethylphthalate
Concen: 39.111 ng
RT: 10.339 min Scan# 1385
Delta R.T. 0.000 min
Lab File: BF143025.D
Acq: 08 Jul 2025 10:54

Tgt Ion:149 Resp: 338403
Ion Ratio Lower Upper
149 100
177 21.6 17.0 25.6
150 12.4 9.8 14.6

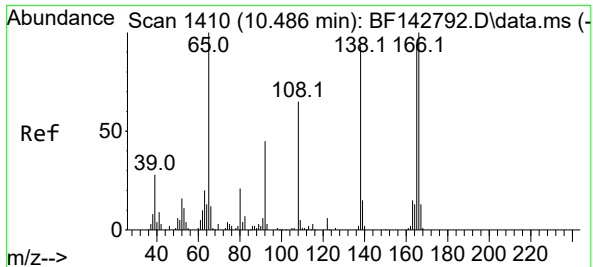
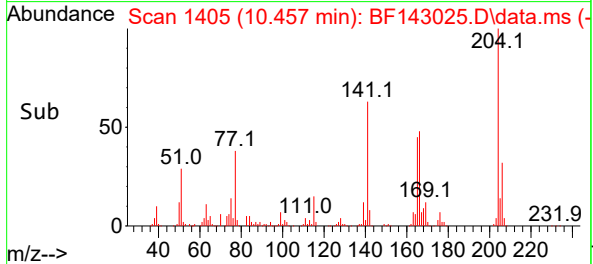
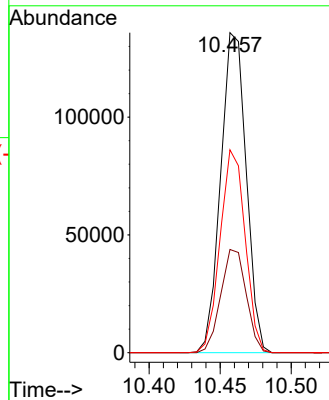
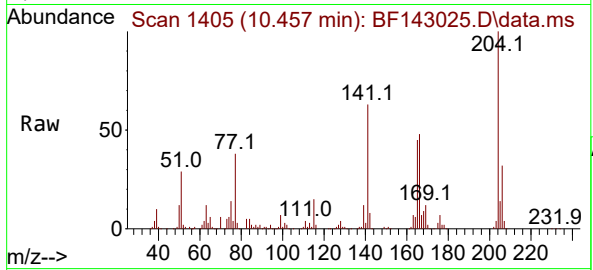




#61
4-Chlorophenyl-phenylether
Concen: 39.156 ng
RT: 10.457 min Scan# 1405
Delta R.T. -0.006 min
Lab File: BF143025.D
Acq: 08 Jul 2025 10:54

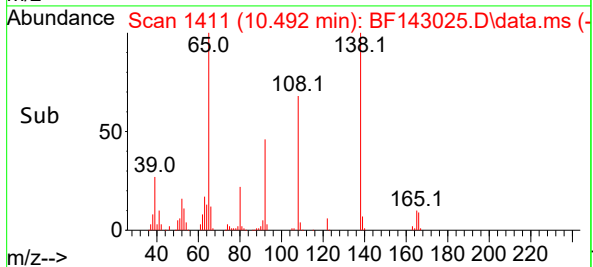
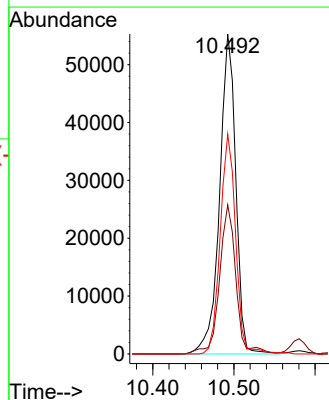
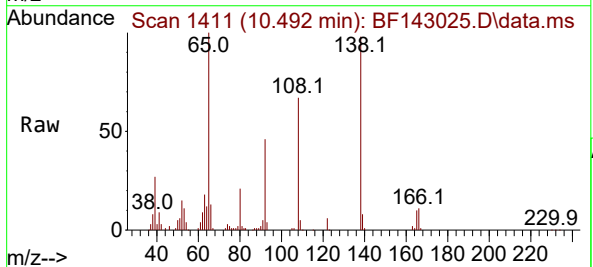
Instrument :
BNA_F
ClientSampleId :
SSTDCCC040

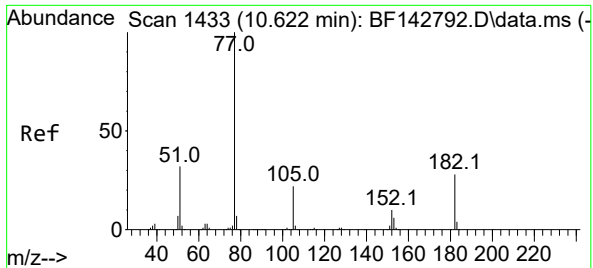
Tgt Ion:204 Resp: 169854
Ion Ratio Lower Upper
204 100
206 32.3 26.3 39.5
141 63.4 49.1 73.7



#62
4-Nitroaniline
Concen: 39.365 ng
RT: 10.492 min Scan# 1411
Delta R.T. 0.006 min
Lab File: BF143025.D
Acq: 08 Jul 2025 10:54

Tgt Ion:138 Resp: 76818
Ion Ratio Lower Upper
138 100
92 46.6 28.4 68.4
108 68.7 50.2 90.2

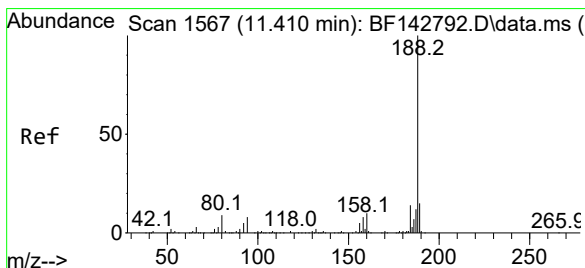
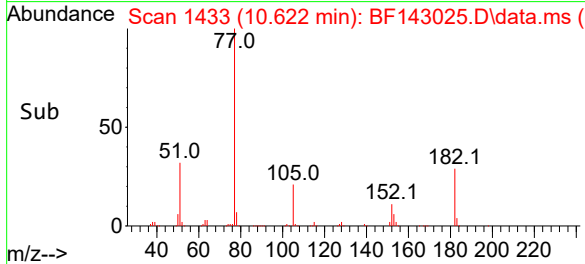
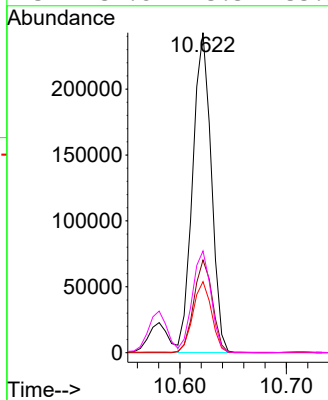
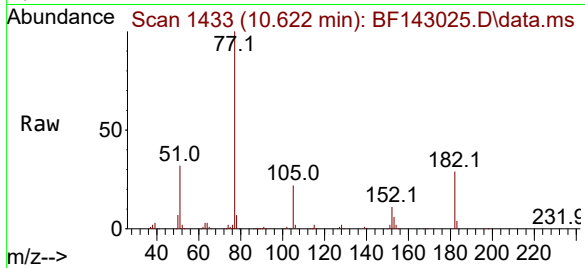




#63
Azobenzene
Concen: 37.977 ng
RT: 10.622 min Scan# 1433
Delta R.T. 0.000 min
Lab File: BF143025.D
Acq: 08 Jul 2025 10:54

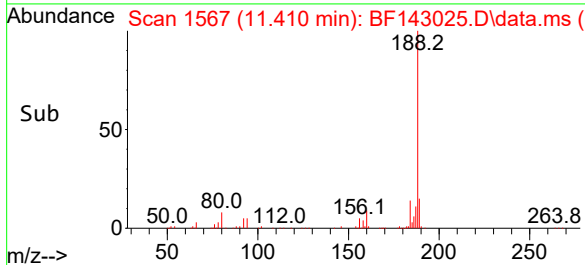
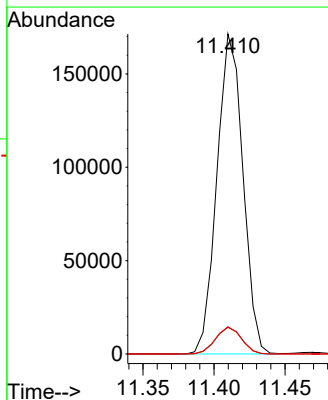
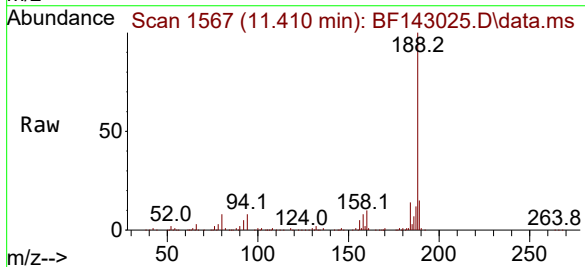
Instrument :
BNA_F
ClientSampleId :
SSTDCCC040

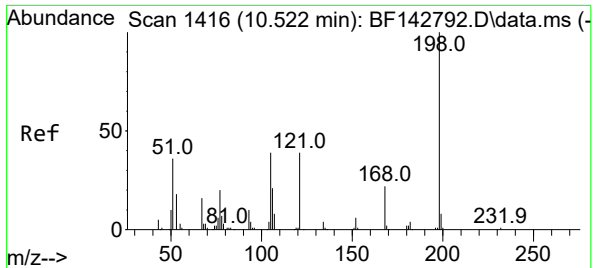
Tgt Ion: 77 Resp: 293688
Ion Ratio Lower Upper
77 100
182 28.9 7.7 47.7
105 22.2 1.9 41.9
51 31.8 13.3 53.3



#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.410 min Scan# 1567
Delta R.T. 0.000 min
Lab File: BF143025.D
Acq: 08 Jul 2025 10:54

Tgt Ion: 188 Resp: 218169
Ion Ratio Lower Upper
188 100
94 8.3 6.7 10.1
80 8.5 6.9 10.3

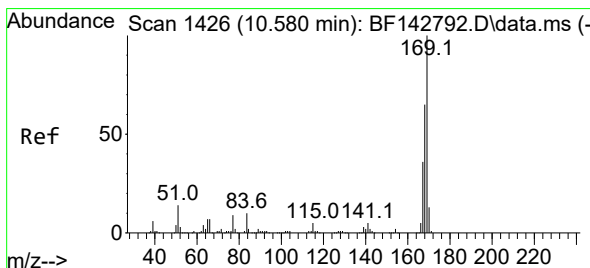
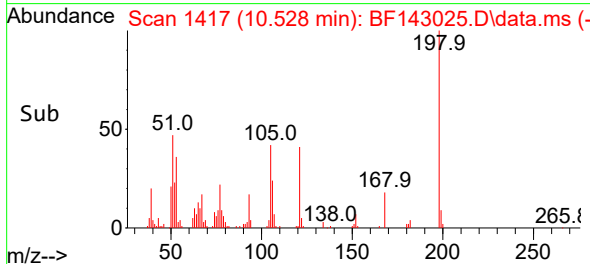
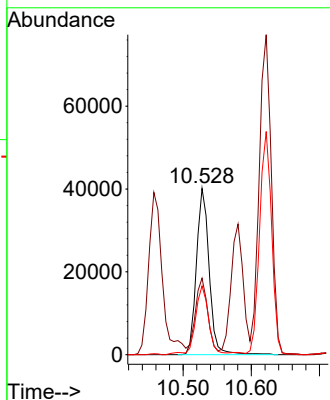
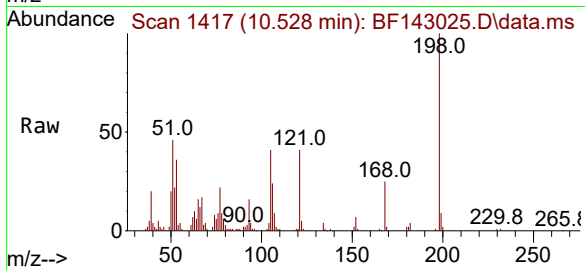




#65
4,6-Dinitro-2-methylphenol
Concen: 39.580 ng
RT: 10.528 min Scan# 1416
Delta R.T. 0.006 min
Lab File: BF143025.D
Acq: 08 Jul 2025 10:54

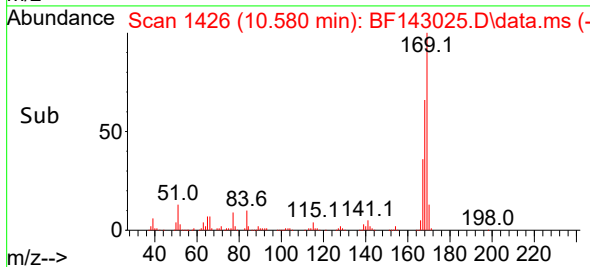
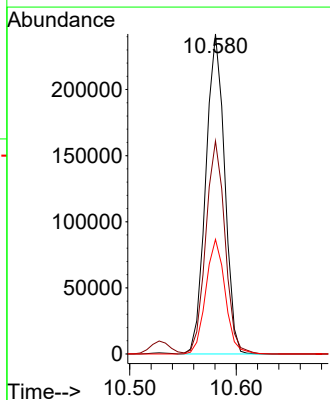
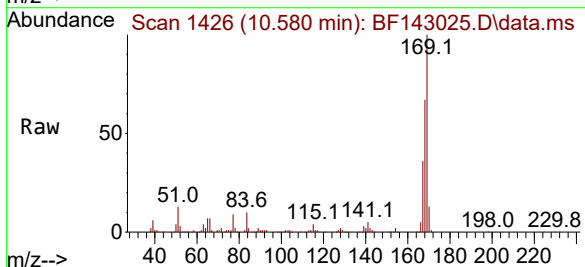
Instrument :
BNA_F
ClientSampleId :
SSTDCCC040

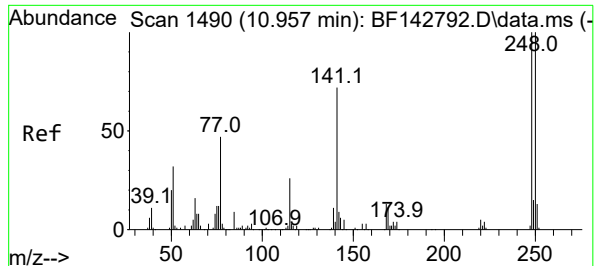
Tgt Ion:198 Resp: 52231
Ion Ratio Lower Upper
198 100
51 46.0 25.4 65.4
105 41.4 20.4 60.4



#66
n-Nitrosodiphenylamine
Concen: 39.436 ng
RT: 10.580 min Scan# 1426
Delta R.T. 0.000 min
Lab File: BF143025.D
Acq: 08 Jul 2025 10:54

Tgt Ion:169 Resp: 298183
Ion Ratio Lower Upper
169 100
168 66.6 51.9 77.9
167 35.8 28.5 42.7

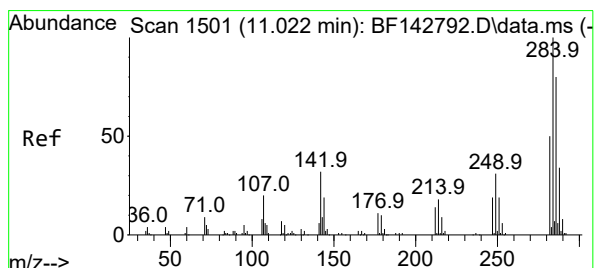
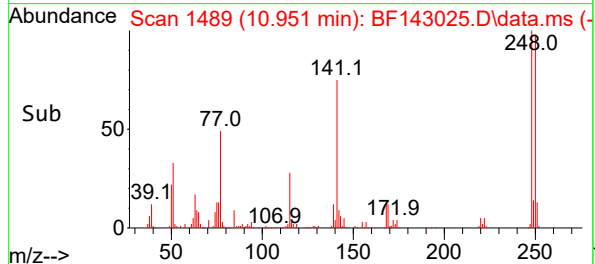
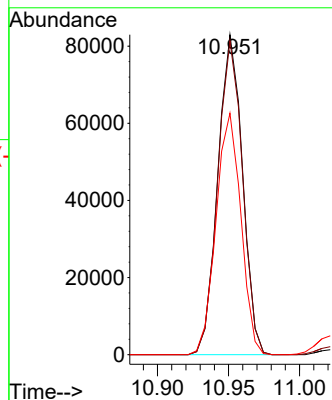
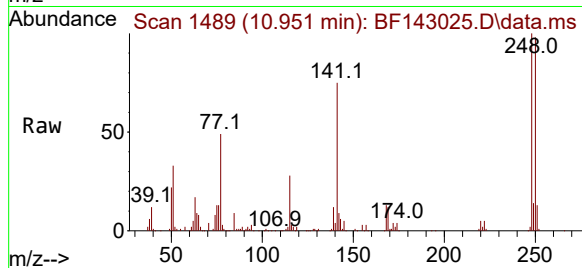




#67
4-Bromophenyl-phenylether
Concen: 40.413 ng
RT: 10.951 min Scan# 1490
Delta R.T. -0.006 min
Lab File: BF143025.D
Acq: 08 Jul 2025 10:54

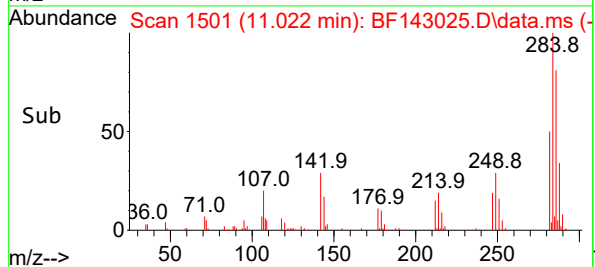
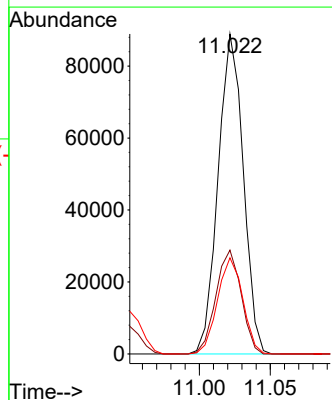
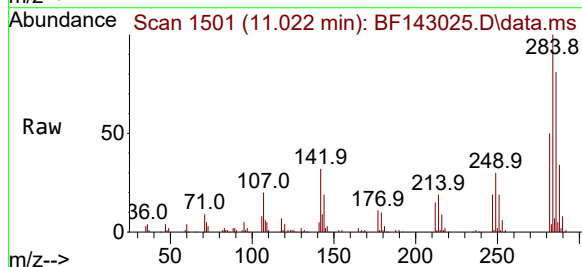
Instrument :
BNA_F
ClientSampleId :
SSTDCCC040

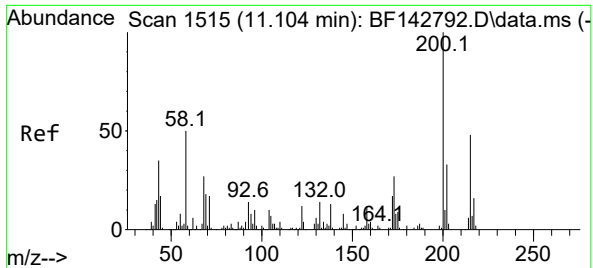
Tgt Ion:248 Resp: 100343
Ion Ratio Lower Upper
248 100
250 98.1 79.8 119.8
141 75.5 57.8 86.6



#68
Hexachlorobenzene
Concen: 39.689 ng
RT: 11.022 min Scan# 1501
Delta R.T. 0.000 min
Lab File: BF143025.D
Acq: 08 Jul 2025 10:54

Tgt Ion:284 Resp: 109501
Ion Ratio Lower Upper
284 100
142 32.5 25.5 38.3
249 30.0 24.9 37.3





#69

Atrazine

Concen: 42.266 ng

RT: 11.110 min Scan# 1516

Delta R.T. 0.006 min

Lab File: BF143025.D

Acq: 08 Jul 2025 10:54

Instrument :

BNA_F

ClientSampleId :

SSTDCCC040

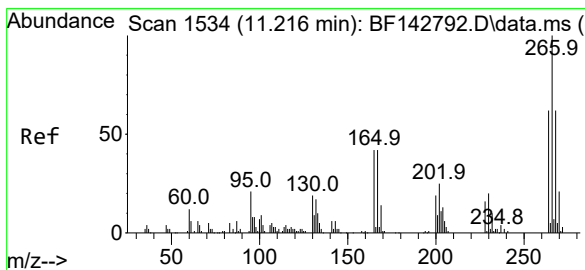
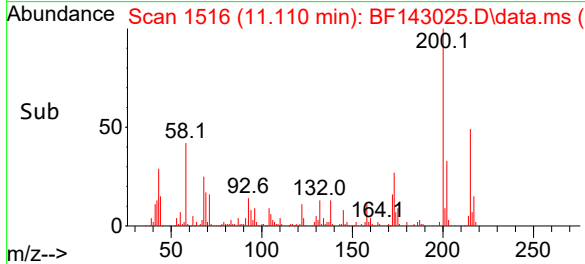
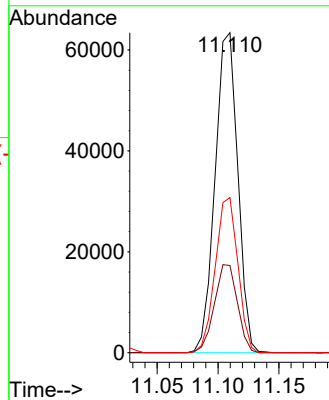
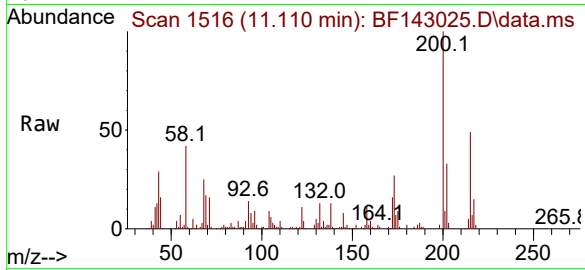
Tgt Ion:200 Resp: 82526

Ion Ratio Lower Upper

200 100

173 27.3 7.4 47.4

215 48.5 28.4 68.4



#70

Pentachlorophenol

Concen: 58.845 ng

RT: 11.222 min Scan# 1535

Delta R.T. 0.006 min

Lab File: BF143025.D

Acq: 08 Jul 2025 10:54

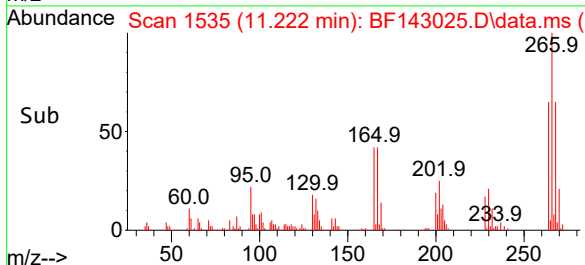
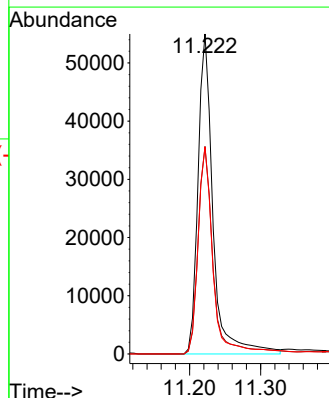
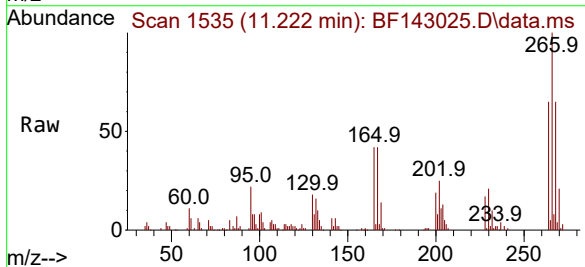
Tgt Ion:266 Resp: 80900

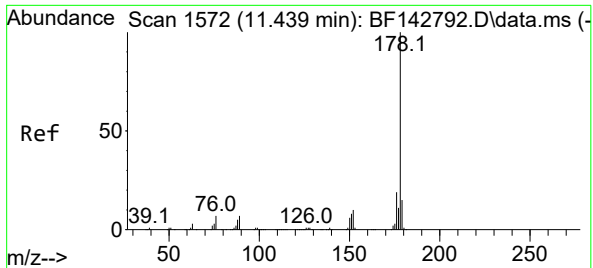
Ion Ratio Lower Upper

266 100

268 64.8 49.8 74.8

264 64.7 49.9 74.9

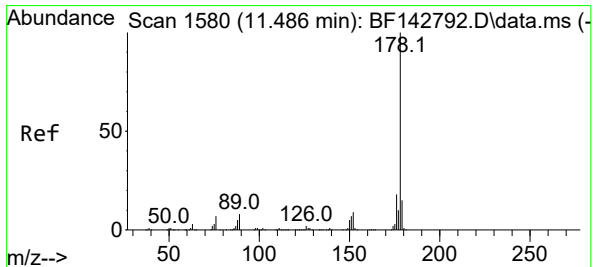
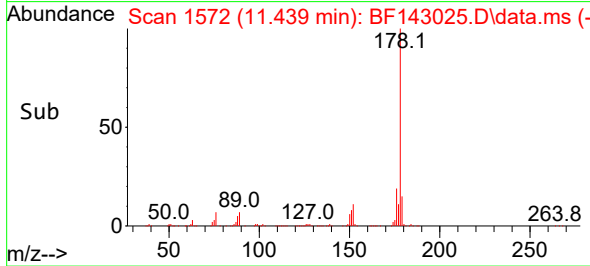
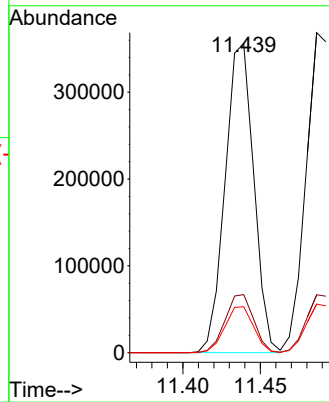
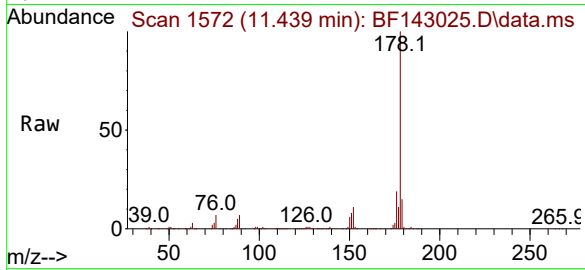




#71
Phenanthrene
Concen: 38.822 ng
RT: 11.439 min Scan# 1572
Delta R.T. 0.000 min
Lab File: BF143025.D
Acq: 08 Jul 2025 10:54

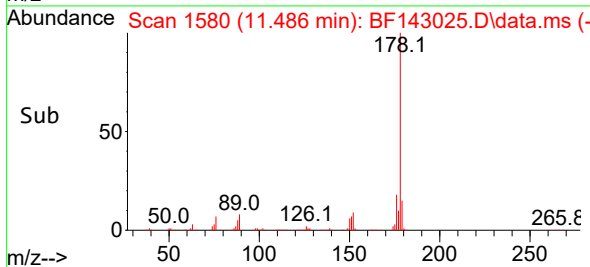
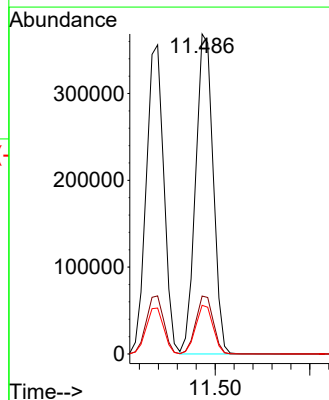
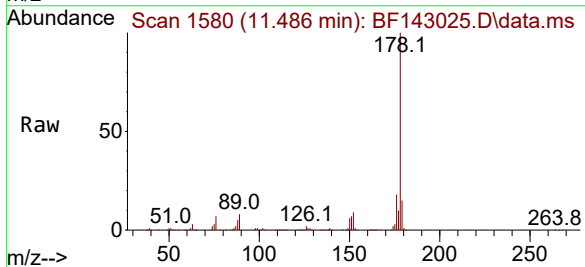
Instrument :
BNA_F
ClientSampleId :
SSTDCCC040

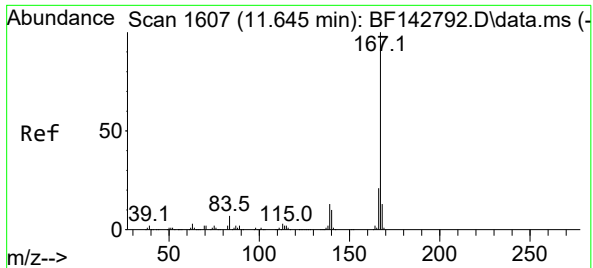
Tgt Ion:178 Resp: 458805
Ion Ratio Lower Upper
178 100
176 18.8 15.1 22.7
179 14.9 12.0 18.0



#72
Anthracene
Concen: 39.196 ng
RT: 11.486 min Scan# 1580
Delta R.T. 0.000 min
Lab File: BF143025.D
Acq: 08 Jul 2025 10:54

Tgt Ion:178 Resp: 475083
Ion Ratio Lower Upper
178 100
176 18.1 14.6 21.8
179 15.2 12.4 18.6

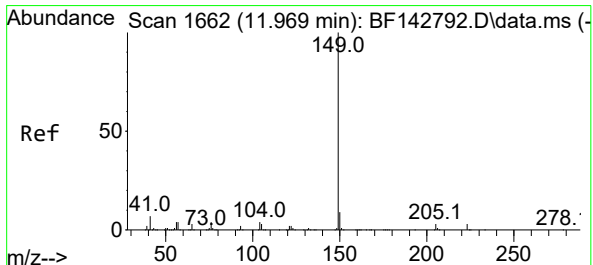
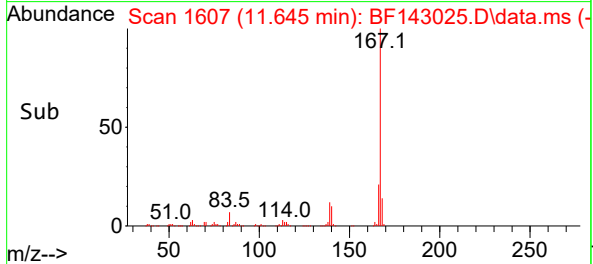
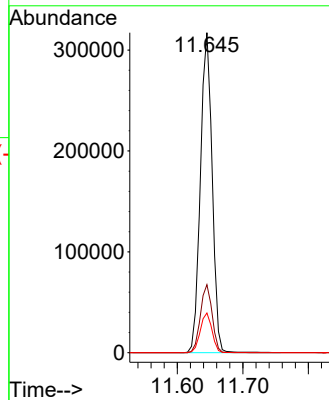
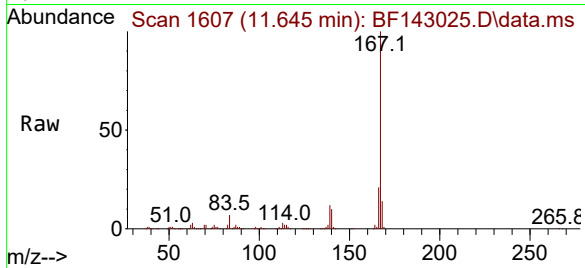




#73
 Carbazole
 Concen: 37.887 ng
 RT: 11.645 min Scan# 1607
 Delta R.T. 0.000 min
 Lab File: BF143025.D
 Acq: 08 Jul 2025 10:54

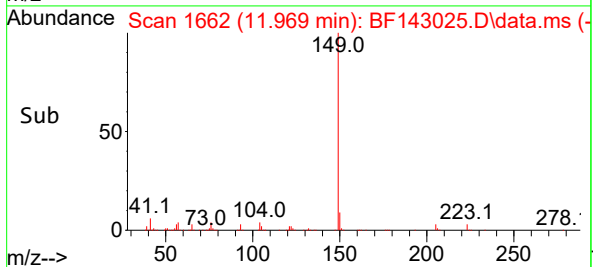
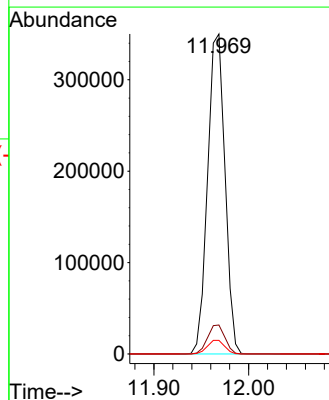
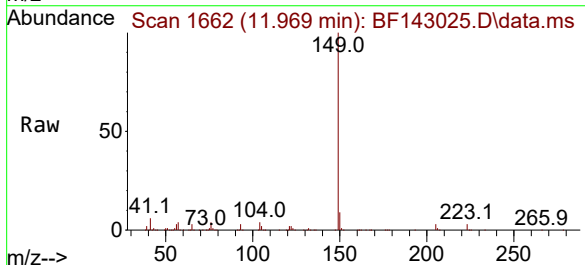
Instrument :
 BNA_F
 ClientSampleId :
 SSTDCCC040

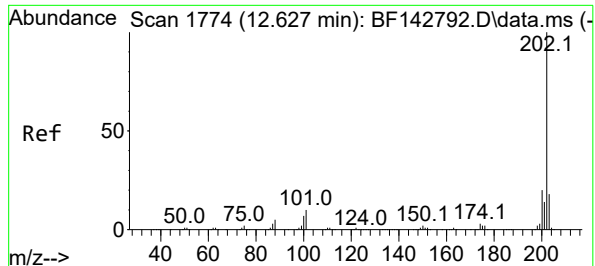
Tgt Ion:167 Resp: 396286
 Ion Ratio Lower Upper
 167 100
 166 21.2 17.0 25.4
 139 12.4 10.2 15.2



#74
 Di-n-butylphthalate
 Concen: 40.919 ng
 RT: 11.969 min Scan# 1662
 Delta R.T. 0.000 min
 Lab File: BF143025.D
 Acq: 08 Jul 2025 10:54

Tgt Ion:149 Resp: 445869
 Ion Ratio Lower Upper
 149 100
 150 9.0 7.4 11.0
 104 4.2 3.5 5.3





#75

Fluoranthene

Concen: 37.322 ng

RT: 12.627 min Scan# 1

Delta R.T. 0.000 min

Lab File: BF143025.D

Acq: 08 Jul 2025 10:54

Instrument :

BNA_F

ClientSampleId :

SSTDCCC040

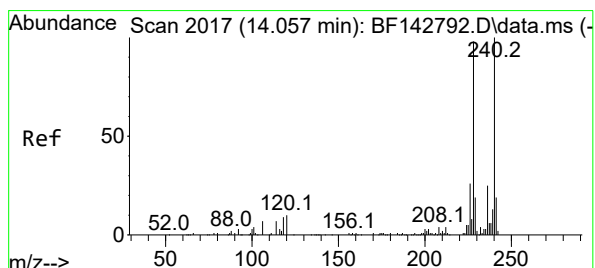
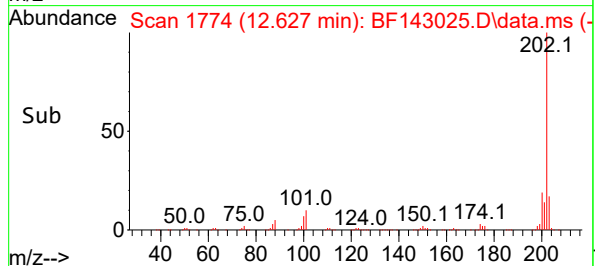
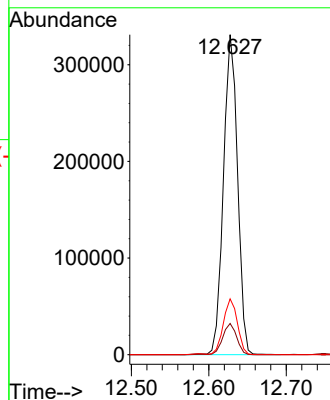
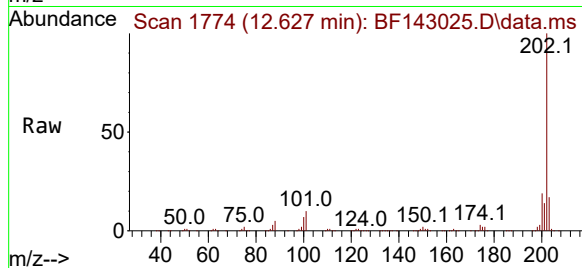
Tgt Ion:202 Resp: 418605

Ion Ratio Lower Upper

202 100

101 9.8 0.0 29.7

203 17.4 0.0 37.5



#76

Chrysene-d12

Concen: 20.000 ng

RT: 14.063 min Scan# 2018

Delta R.T. 0.006 min

Lab File: BF143025.D

Acq: 08 Jul 2025 10:54

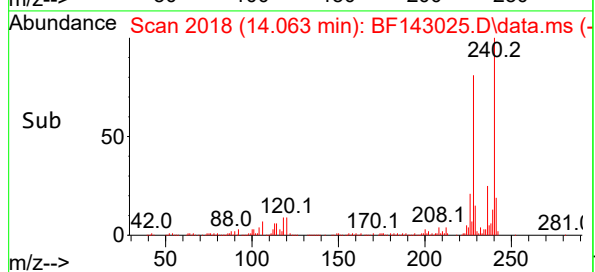
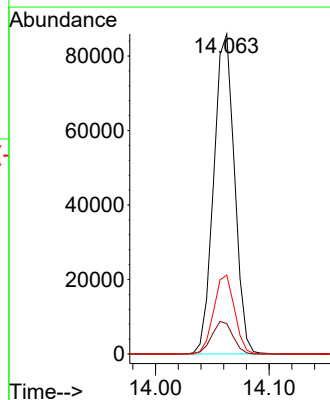
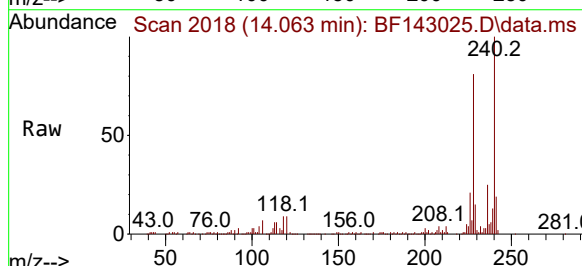
Tgt Ion:240 Resp: 109391

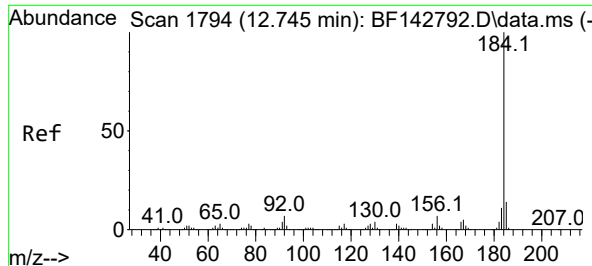
Ion Ratio Lower Upper

240 100

120 9.5 8.2 12.2

236 24.6 19.8 29.8





#77

Benzidine

Concen: 48.779 ng

RT: 12.751 min Scan# 1

Delta R.T. 0.006 min

Lab File: BF143025.D

Acq: 08 Jul 2025 10:54

Instrument :

BNA_F

ClientSampleId :

SSTDCCC040

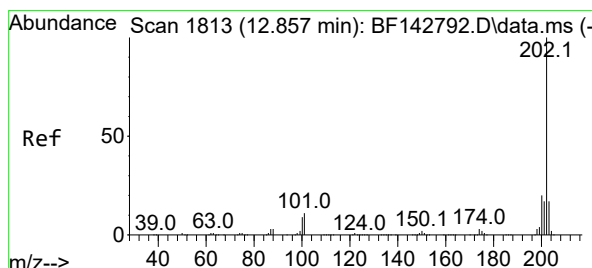
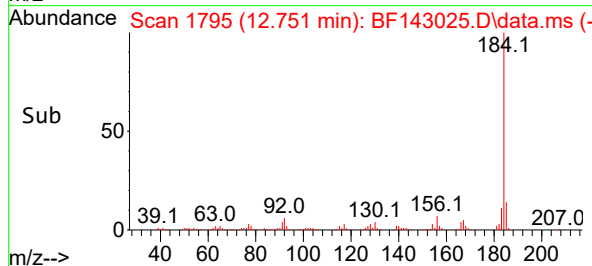
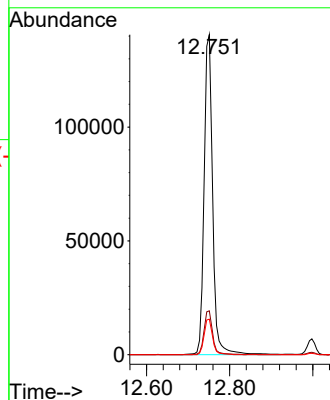
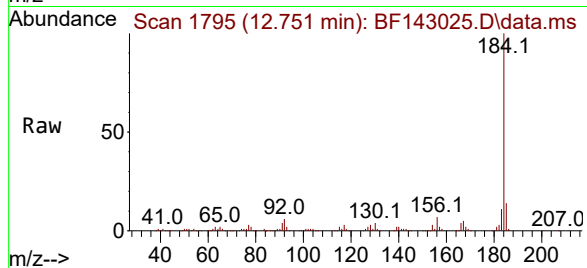
Tgt Ion:184 Resp: 200477

Ion Ratio Lower Upper

184 100

185 13.7 11.5 17.3

183 11.1 9.0 13.4



#78

Pyrene

Concen: 45.585 ng

RT: 12.857 min Scan# 1813

Delta R.T. 0.000 min

Lab File: BF143025.D

Acq: 08 Jul 2025 10:54

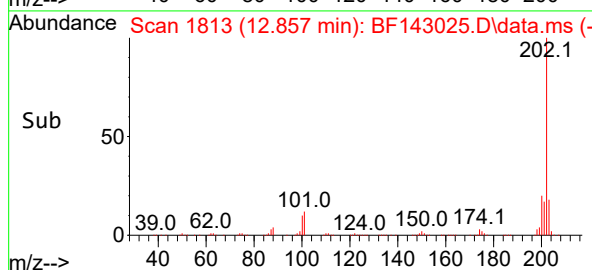
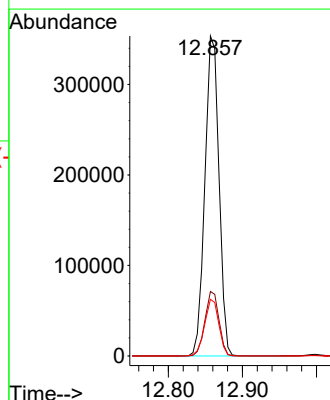
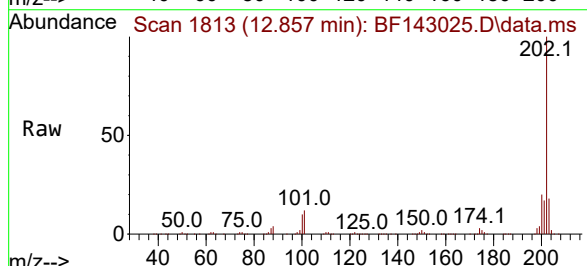
Tgt Ion:202 Resp: 467410

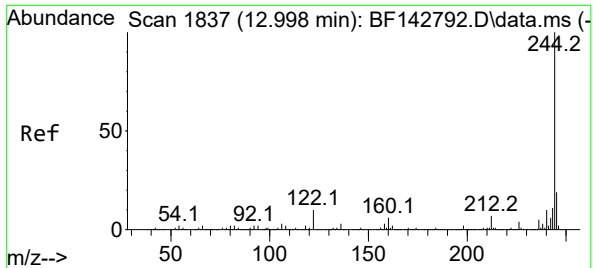
Ion Ratio Lower Upper

202 100

200 20.2 15.7 23.5

203 17.7 13.8 20.6





#79

Terphenyl-d14

Concen: 84.898 ng

RT: 12.998 min Scan# 1837

Delta R.T. -0.000 min

Lab File: BF143025.D

Acq: 08 Jul 2025 10:54

Instrument :

BNA_F

ClientSampleId :

SSTDCCC040

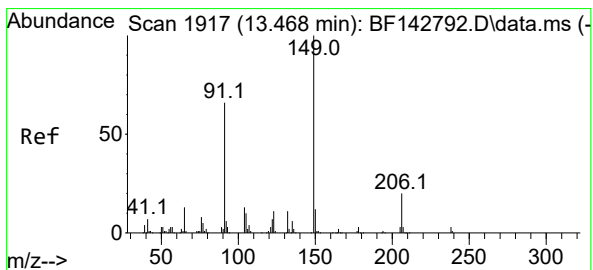
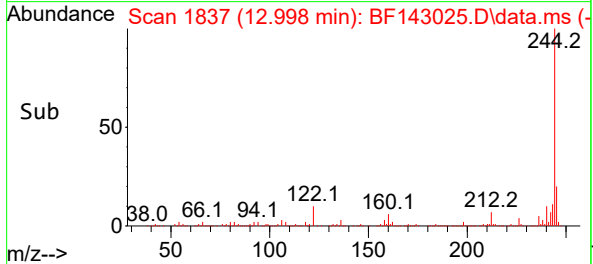
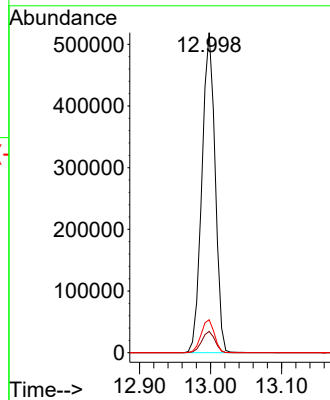
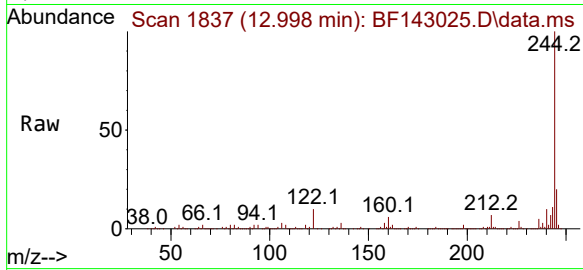
Tgt Ion:244 Resp: 672150

Ion Ratio Lower Upper

244 100

212 6.7 5.4 8.0

122 10.3 8.2 12.2



#80

Butylbenzylphthalate

Concen: 42.130 ng

RT: 13.469 min Scan# 1917

Delta R.T. 0.000 min

Lab File: BF143025.D

Acq: 08 Jul 2025 10:54

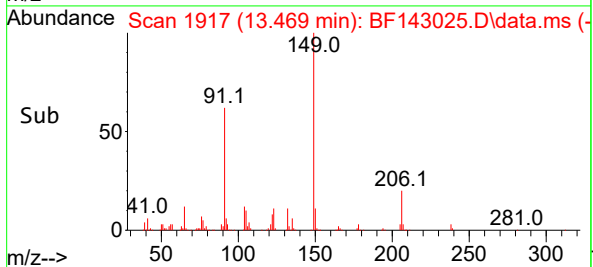
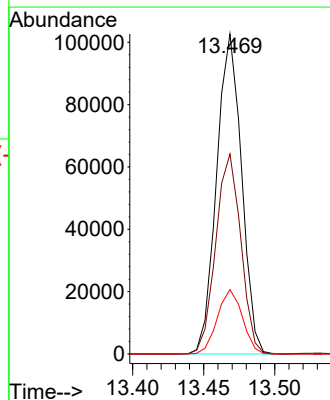
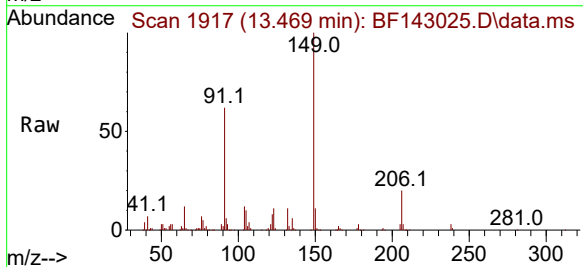
Tgt Ion:149 Resp: 125308

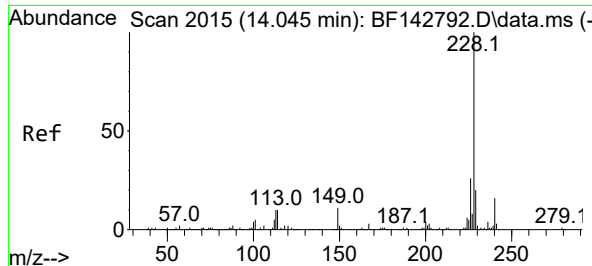
Ion Ratio Lower Upper

149 100

91 62.5 52.9 79.3

206 20.1 16.3 24.5

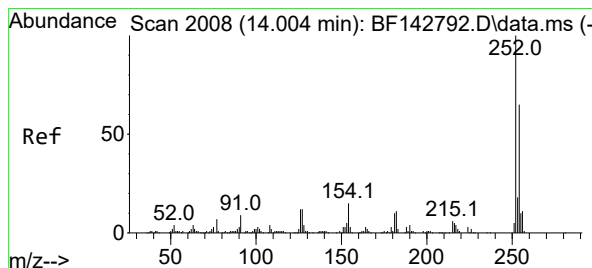
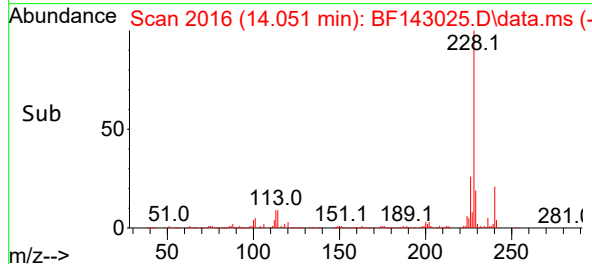
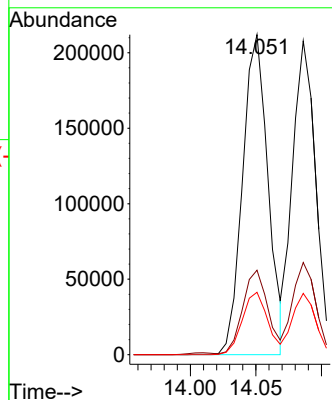
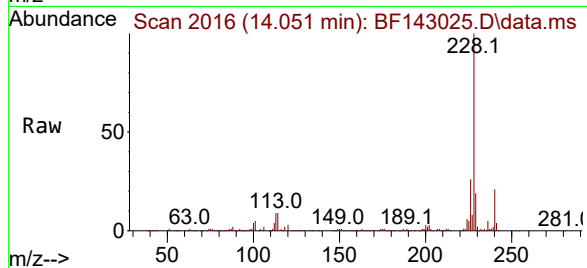




#81
Benzo(a)anthracene
Concen: 38.824 ng
RT: 14.051 min Scan# 2015
Delta R.T. 0.006 min
Lab File: BF143025.D
Acq: 08 Jul 2025 10:54

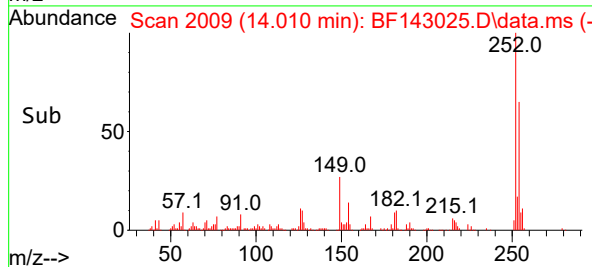
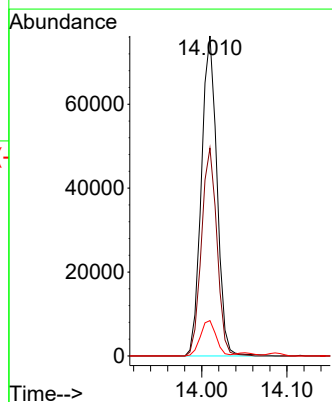
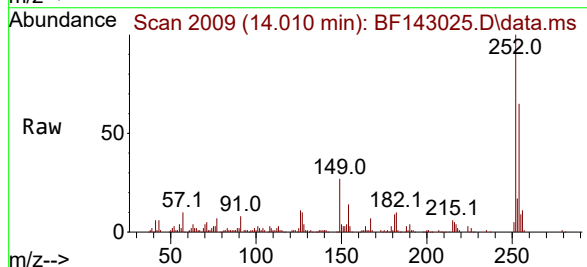
Instrument :
BNA_F
ClientSampleId :
SSTDCCC040

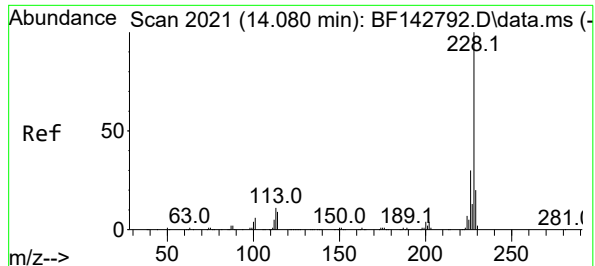
Tgt Ion:228 Resp: 286505
Ion Ratio Lower Upper
228 100
226 26.4 21.2 31.8
229 19.5 15.6 23.4



#82
3,3'-Dichlorobenzidine
Concen: 40.538 ng
RT: 14.010 min Scan# 2009
Delta R.T. 0.006 min
Lab File: BF143025.D
Acq: 08 Jul 2025 10:54

Tgt Ion:252 Resp: 97033
Ion Ratio Lower Upper
252 100
254 64.9 51.7 77.5
126 11.1 9.4 14.2





#83

Chrysene

Concen: 38.568 ng

RT: 14.086 min Scan# 20

Delta R.T. 0.006 min

Lab File: BF143025.D

Acq: 08 Jul 2025 10:54

Instrument :

BNA_F

ClientSampleId :

SSTDCCC040

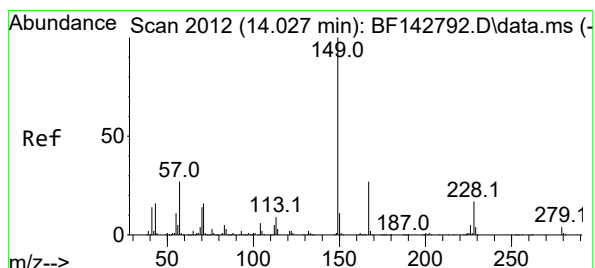
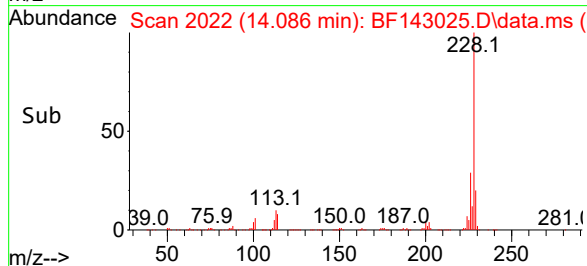
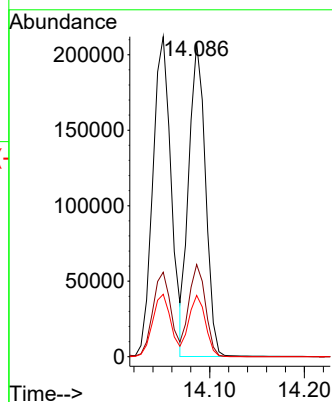
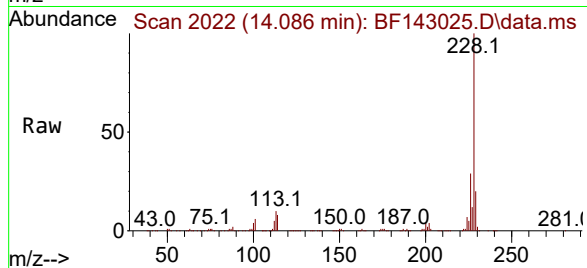
Tgt Ion:228 Resp: 253970

Ion Ratio Lower Upper

228 100

226 29.4 23.7 35.5

229 19.6 15.7 23.5



#84

Bis(2-ethylhexyl)phthalate

Concen: 39.625 ng

RT: 14.027 min Scan# 2012

Delta R.T. 0.000 min

Lab File: BF143025.D

Acq: 08 Jul 2025 10:54

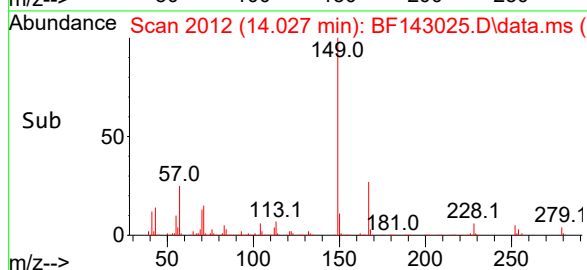
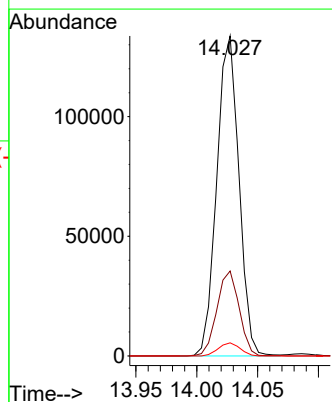
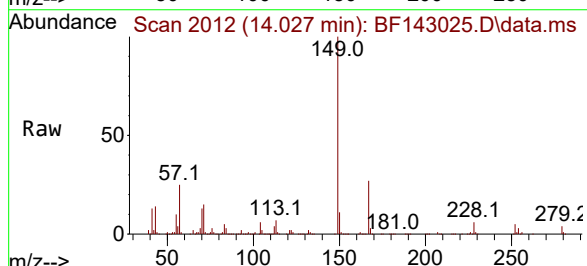
Tgt Ion:149 Resp: 169570

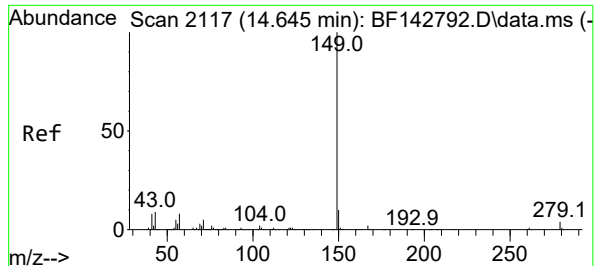
Ion Ratio Lower Upper

149 100

167 26.6 21.4 32.0

279 4.1 3.0 4.6

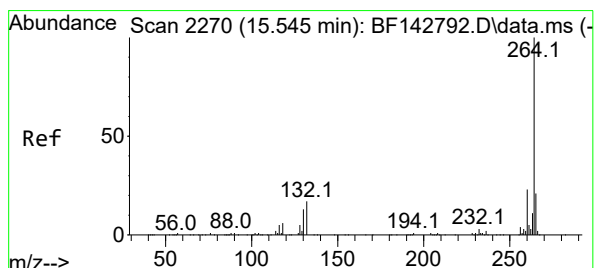
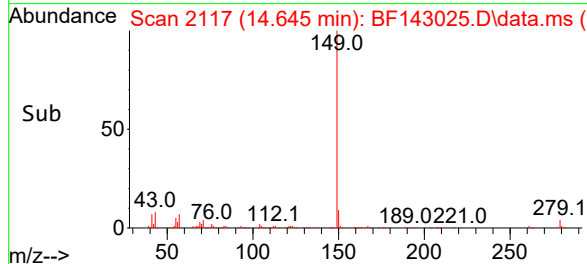
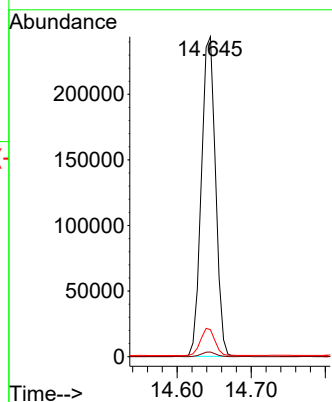
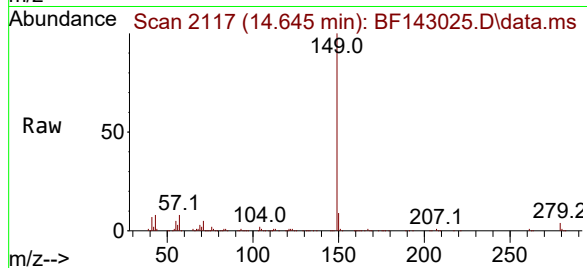




#85
Di-n-octyl phthalate
Concen: 40.101 ng
RT: 14.645 min Scan# 2117
Delta R.T. 0.000 min
Lab File: BF143025.D
Acq: 08 Jul 2025 10:54

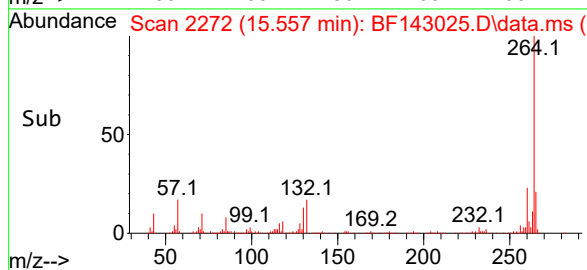
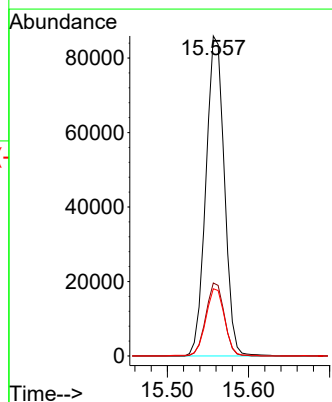
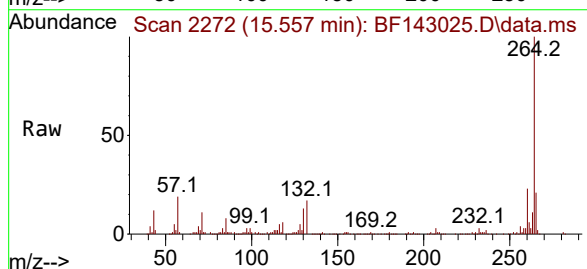
Instrument :
BNA_F
ClientSampleId :
SSTDCCC040

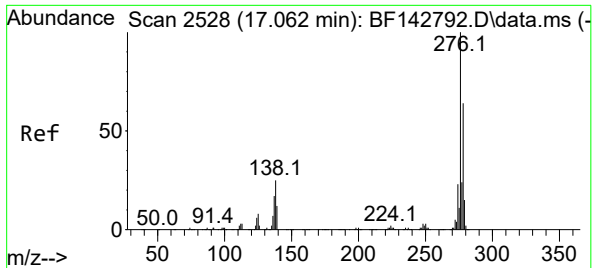
Tgt Ion:149 Resp: 323589
Ion Ratio Lower Upper
149 100
167 1.5 1.3 1.9
43 8.6 7.6 11.4



#86
Perylene-d12
Concen: 20.000 ng
RT: 15.557 min Scan# 2272
Delta R.T. 0.012 min
Lab File: BF143025.D
Acq: 08 Jul 2025 10:54

Tgt Ion:264 Resp: 135350
Ion Ratio Lower Upper
264 100
260 22.8 18.1 27.1
265 21.0 16.6 25.0





#87

Indeno(1,2,3-cd)pyrene

Concen: 39.633 ng

RT: 17.092 min Scan# 21

Delta R.T. 0.030 min

Lab File: BF143025.D

Acq: 08 Jul 2025 10:54

Instrument :

BNA_F

ClientSampleId :

SSTDCCC040

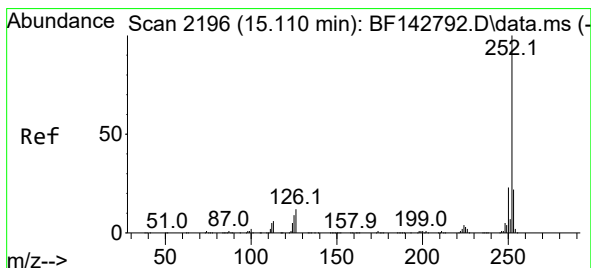
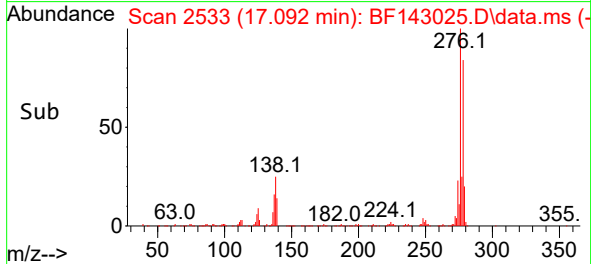
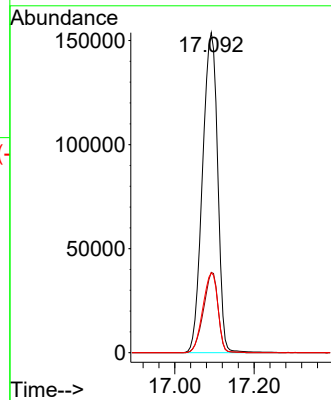
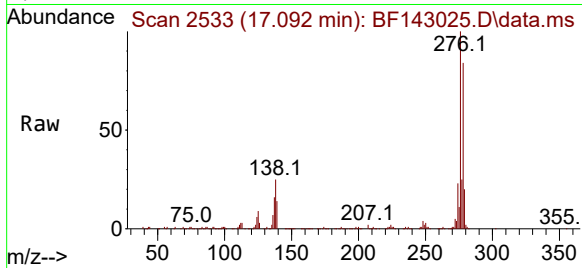
Tgt Ion:276 Resp: 408600

Ion Ratio Lower Upper

276 100

138 24.0 20.2 30.4

277 24.8 19.8 29.6



#88

Benzo(b)fluoranthene

Concen: 39.146 ng

RT: 15.115 min Scan# 2197

Delta R.T. 0.006 min

Lab File: BF143025.D

Acq: 08 Jul 2025 10:54

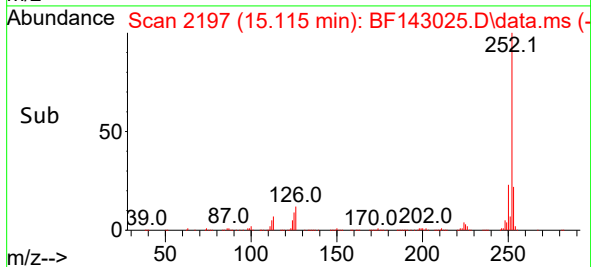
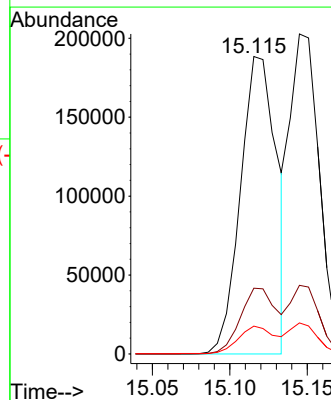
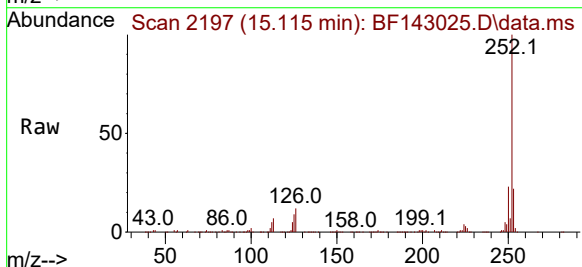
Tgt Ion:252 Resp: 306592

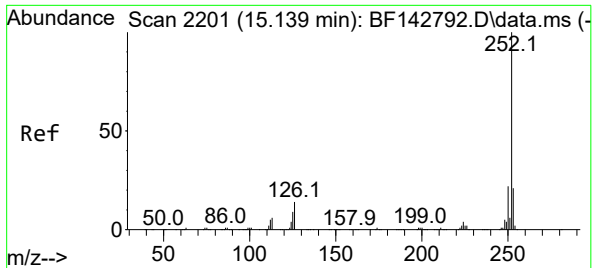
Ion Ratio Lower Upper

252 100

253 22.1 17.5 26.3

125 9.4 7.4 11.0





#89

Benzo(k)fluoranthene

Concen: 36.576 ng

RT: 15.145 min Scan# 21

Delta R.T. 0.006 min

Lab File: BF143025.D

Acq: 08 Jul 2025 10:54

Instrument :

BNA_F

ClientSampleId :

SSTDCCC040

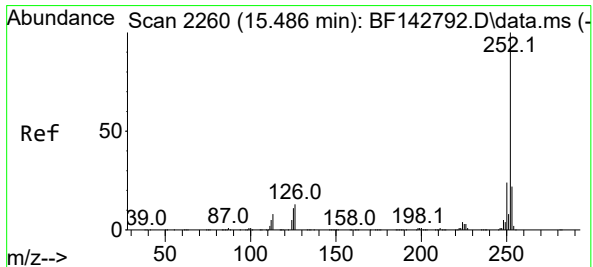
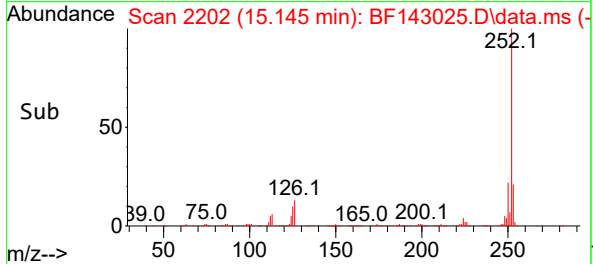
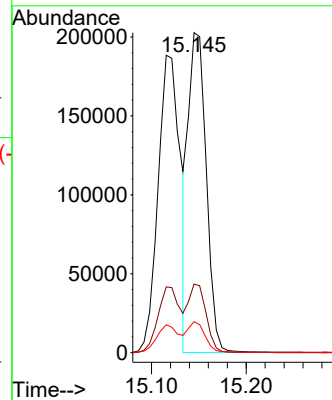
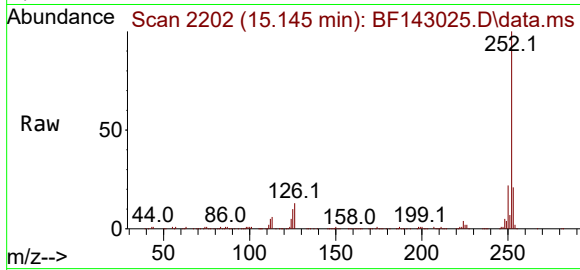
Tgt Ion:252 Resp: 268010

Ion Ratio Lower Upper

252 100

253 21.4 17.2 25.8

125 9.7 7.4 11.2



#90

Benzo(a)pyrene

Concen: 38.995 ng

RT: 15.498 min Scan# 2262

Delta R.T. 0.012 min

Lab File: BF143025.D

Acq: 08 Jul 2025 10:54

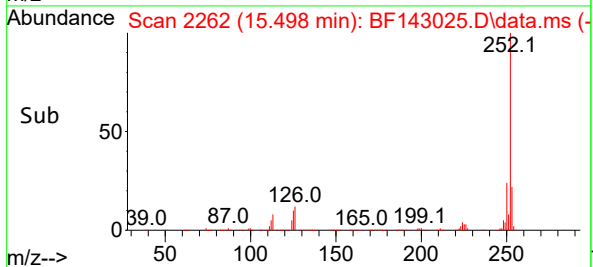
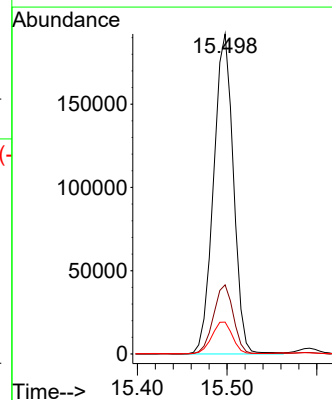
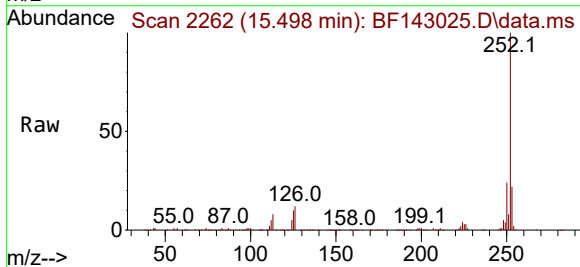
Tgt Ion:252 Resp: 295042

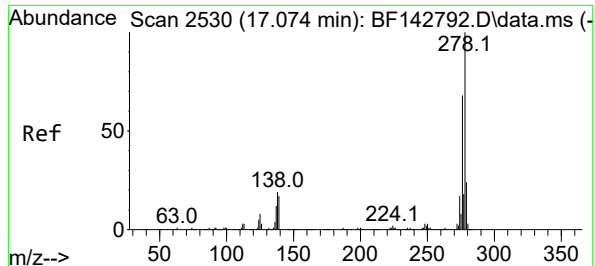
Ion Ratio Lower Upper

252 100

253 21.6 17.5 26.3

125 10.0 8.6 12.8





#91

Dibenzo(a,h)anthracene

Concen: 38.971 ng

RT: 17.104 min Scan# 21

Delta R.T. 0.030 min

Lab File: BF143025.D

Acq: 08 Jul 2025 10:54

Instrument :

BNA_F

ClientSampleId :

SSTDCCC040

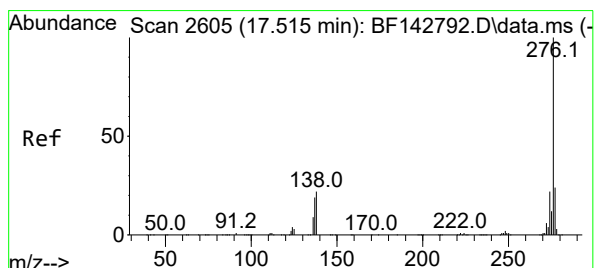
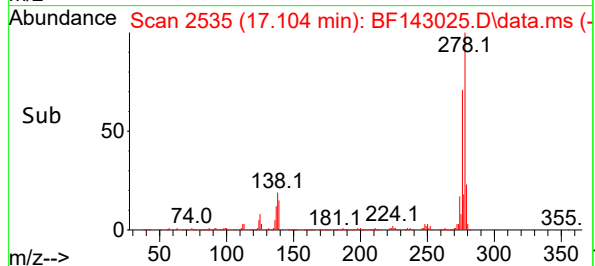
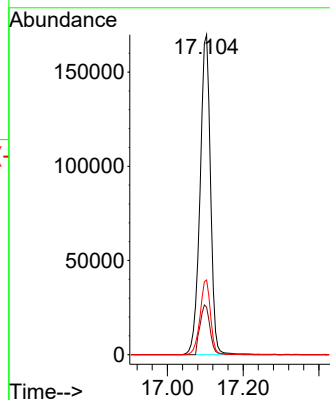
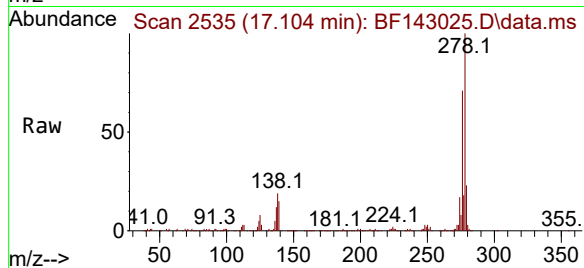
Tgt Ion:278 Resp: 326448

Ion Ratio Lower Upper

278 100

139 14.8 13.5 20.3

279 23.4 18.8 28.2



#92

Benzo(g,h,i)perylene

Concen: 38.829 ng

RT: 17.551 min Scan# 2611

Delta R.T. 0.035 min

Lab File: BF143025.D

Acq: 08 Jul 2025 10:54

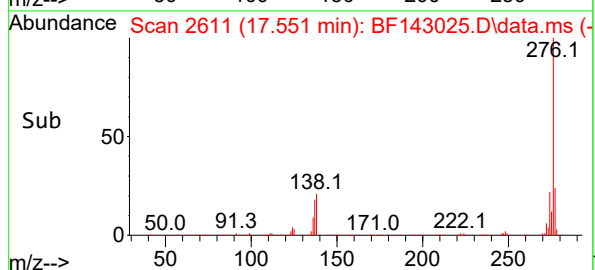
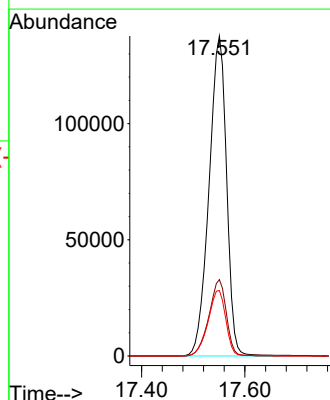
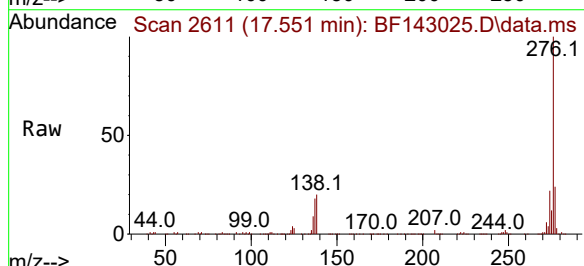
Tgt Ion:276 Resp: 324337

Ion Ratio Lower Upper

276 100

277 23.8 18.8 28.2

138 20.5 17.6 26.4



Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF070825\
 Data File : BF143025.D
 Acq On : 08 Jul 2025 10:54
 Operator : RC/JU
 Sample : SSTDCCC040
 Misc :
 ALS Vial : 2 Sample Multiplier: 1

Instrument :
 BNA_F
 LabSampleId :
 SSTDCCC040

Quant Time: Jul 08 12:00:55 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	80	0.00
2	1,4-Dioxane	0.480	0.434	9.6	75	-0.02
3	Pyridine	1.205	1.134	5.9	78	-0.01
4	n-Nitrosodimethylamine	0.623	0.578	7.2	77	-0.01
5 S	2-Fluorophenol	1.201	1.183	1.5	82	0.00
6	Aniline	1.886	1.831	2.9	80	0.00
7 S	Phenol-d6	1.417	1.384	2.3	82	0.00
8	2-Chlorophenol	1.296	1.276	1.5	82	0.00
9	Benzaldehyde	0.841	0.903	-7.4	95	0.00
10 C	Phenol	1.575	1.550	1.6	82	0.00
11	bis(2-Chloroethyl)ether	1.126	1.102	2.1	82	0.00
12	1,3-Dichlorobenzene	1.449	1.433	1.1	83	0.00
13 C	1,4-Dichlorobenzene	1.462	1.442	1.4	82	0.00
14	1,2-Dichlorobenzene	1.387	1.369	1.3	82	0.00
15	Benzyl Alcohol	1.025	1.025	0.0	84	0.00
16	2,2'-oxybis(1-Chloropropane	1.809	1.645	9.1	76	0.00
17	2-Methylphenol	0.982	0.973	0.9	83	0.00
18	Hexachloroethane	0.511	0.498	2.5	80	0.00
19 P	n-Nitroso-di-n-propylamine	0.824	0.805	2.3	82	0.00
20	3+4-Methylphenols	1.224	1.225	-0.1	83	0.00
21 I	Naphthalene-d8	1.000	1.000	0.0	82	0.00
22	Acetophenone	0.441	0.431	2.3	85	0.00
23 S	Nitrobenzene-d5	0.365	0.385	-5.5	90	0.00
24	Nitrobenzene	0.330	0.315	4.5	81	0.00
25	Isophorone	0.585	0.566	3.2	84	0.00
26 C	2-Nitrophenol	0.180	0.181	-0.6	84	0.00
27	2,4-Dimethylphenol	0.311	0.301	3.2	83	0.00
28	bis(2-Chloroethoxy)methane	0.372	0.361	3.0	84	0.00
29 C	2,4-Dichlorophenol	0.282	0.275	2.5	83	0.00
30	1,2,4-Trichlorobenzene	0.310	0.301	2.9	83	0.00
31	Naphthalene	0.979	0.952	2.8	84	0.00
32	Benzoic acid	0.159	0.140	11.9	73	0.02
33	4-Chloroaniline	0.398	0.391	1.8	85	0.00
34 C	Hexachlorobutadiene	0.190	0.185	2.6	83	0.00
35	Caprolactam	0.075	0.078	-4.0	90	0.00
36 C	4-Chloro-3-methylphenol	0.281	0.276	1.8	84	0.00
37	2-Methylnaphthalene	0.607	0.594	2.1	84	0.00
38	1-Methylnaphthalene	0.628	0.611	2.7	84	0.00
39 I	Acenaphthene-d10	1.000	1.000	0.0	84	0.00
40	1,2,4,5-Tetrachlorobenzene	0.590	0.574	2.7	87	0.00
41 P	Hexachlorocyclopentadiene	0.335	0.341	-1.8	85	0.00
42 S	2,4,6-Tribromophenol	0.206	0.200	2.9	84	0.00
43 C	2,4,6-Trichlorophenol	0.385	0.367	4.7	85	0.00
44	2,4,5-Trichlorophenol	0.405	0.383	5.4	82	0.00
45 S	2-Fluorobiphenyl	1.522	1.552	-2.0	91	0.00
46	1,1'-Biphenyl	1.580	1.507	4.6	84	0.00
47	2-Chloronaphthalene	1.186	1.125	5.1	84	0.00

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF070825\
 Data File : BF143025.D
 Acq On : 08 Jul 2025 10:54
 Operator : RC/JU
 Sample : SSTDCCC040
 Misc :
 ALS Vial : 2 Sample Multiplier: 1

Instrument :
 BNA_F
 LabSampleId :
 SSTDCCC040

Quant Time: Jul 08 12:00:55 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	0.326	1.8	85	0.00
49	Acenaphthylene	1.952	1.854	5.0	84	0.00
50	Dimethylphthalate	1.295	1.287	0.6	88	0.00
51	2,6-Dinitrotoluene	0.284	0.279	1.8	85	0.00
52 C	Acenaphthene	1.191	1.180	0.9	87	0.00
53	3-Nitroaniline	0.313	0.304	2.9	85	0.00
54 P	2,4-Dinitrophenol	0.142	0.188	-32.4#	111	0.01
55	Dibenzofuran	1.708	1.634	4.3	85	0.00
56 P	4-Nitrophenol	0.214	0.259	-21.0	105	0.01
57	2,4-Dinitrotoluene	0.378	0.376	0.5	86	0.00
58	Fluorene	1.334	1.302	2.4	87	0.00
59	2,3,4,6-Tetrachlorophenol	0.326	0.307	5.8	83	0.00
60	Diethylphthalate	1.269	1.241	2.2	86	0.00
61	4-Chlorophenyl-phenylether	0.636	0.623	2.0	88	0.00
62	4-Nitroaniline	0.286	0.282	1.4	87	0.00
63	Azobenzene	1.134	1.077	5.0	84	0.00
64 I	Phenanthrene-d10	1.000	1.000	0.0	83	0.00
65	4,6-Dinitro-2-methylphenol	0.121	0.120	0.8	83	0.00
66 c	n-Nitrosodiphenylamine	0.693	0.683	1.4	84	0.00
67	4-Bromophenyl-phenylether	0.228	0.230	-0.9	87	0.00
68	Hexachlorobenzene	0.253	0.251	0.8	86	0.00
69	Atrazine	0.179	0.189	-5.6	90	0.00
70 C	Pentachlorophenol	0.126	0.185	-46.8#	123	0.00
71	Phenanthrene	1.083	1.051	3.0	85	0.00
72	Anthracene	1.111	1.089	2.0	85	0.00
73	Carbazole	0.959	0.908	5.3	84	0.00
74	Di-n-butylphthalate	0.999	1.022	-2.3	89	0.00
75 C	Fluoranthene	1.028	0.959	6.7	83	0.00
76 I	Chrysene-d12	1.000	1.000	0.0	77	0.00
77	Benzydine	0.751	0.916	-22.0	91	0.00
78	Pyrene	1.875	2.136	-13.9	94	0.00
79 S	Terphenyl-d14	1.447	1.536	-6.2	89	0.00
80	Butylbenzylphthalate	0.544	0.573	-5.3	80	0.00
81	Benzo(a)anthracene	1.349	1.310	2.9	80	0.00
82	3,3'-Dichlorobenzidine	0.438	0.444	-1.4	79	0.00
83	Chrysene	1.204	1.161	3.6	77	0.00
84	Bis(2-ethylhexyl)phthalate	0.782	0.775	0.9	74	0.00
85 c	Di-n-octyl phthalate	1.475	1.479	-0.3	78	0.00
86 I	Perylene-d12	1.000	1.000	0.0	79	0.01
87	Indeno(1,2,3-cd)pyrene	1.523	1.509	0.9	81	0.03
88	Benzo(b)fluoranthene	1.157	1.133	2.1	84	0.00
89	Benzo(k)fluoranthene	1.083	0.990	8.6	76	0.00
90 C	Benzo(a)pyrene	1.118	1.090	2.5	81	0.01
91	Dibenzo(a,h)anthracene	1.238	1.206	2.6	81	0.03
92	Benzo(g,h,i)perylene	1.234	1.198	2.9	80	0.04

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF070825\
Data File : BF143025.D
Acq On : 08 Jul 2025 10:54
Operator : RC/JU
Sample : SSTDCCC040
Misc :
ALS Vial : 2 Sample Multiplier: 1

Instrument :
BNA_F
LabSampleId :
SSTDCCC040

Quant Time: Jul 08 12:00:55 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\BF070825\
 Data File : BF143025.D
 Acq On : 08 Jul 2025 10:54
 Operator : RC/JU
 Sample : SSTDCCC040
 Misc :
 ALS Vial : 2 Sample Multiplier: 1

Instrument :
 BNA_F
 LabSampleId :
 SSTDCCC040

Quant Time: Jul 08 12:00:55 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	80	0.00
2	1,4-Dioxane	40.000	36.124	9.7	75	-0.02
3	Pyridine	40.000	37.643	5.9	78	-0.01
4	n-Nitrosodimethylamine	40.000	37.086	7.3	77	-0.01
5 S	2-Fluorophenol	80.000	78.806	1.5	82	0.00
6	Aniline	40.000	38.839	2.9	80	0.00
7 S	Phenol-d6	80.000	78.144	2.3	82	0.00
8	2-Chlorophenol	40.000	39.386	1.5	82	0.00
9	Benzaldehyde	40.000	42.967	-7.4	95	0.00
10 C	Phenol	40.000	39.348	1.6	82	0.00
11	bis(2-Chloroethyl)ether	40.000	39.146	2.1	82	0.00
12	1,3-Dichlorobenzene	40.000	39.558	1.1	83	0.00
13 C	1,4-Dichlorobenzene	40.000	39.445	1.4	82	0.00
14	1,2-Dichlorobenzene	40.000	39.496	1.3	82	0.00
15	Benzyl Alcohol	40.000	40.010	-0.0	84	0.00
16	2,2'-oxybis(1-Chloropropane	40.000	36.380	9.0	76	0.00
17	2-Methylphenol	40.000	39.617	1.0	83	0.00
18	Hexachloroethane	40.000	38.946	2.6	80	0.00
19 P	n-Nitroso-di-n-propylamine	40.000	39.059	2.4	82	0.00
20	3+4-Methylphenols	40.000	40.025	-0.1	83	0.00
21 I	Naphthalene-d8	20.000	20.000	0.0	82	0.00
22	Acetophenone	40.000	39.098	2.3	85	0.00
23 S	Nitrobenzene-d5	80.000	84.546	-5.7	90	0.00
24	Nitrobenzene	40.000	38.199	4.5	81	0.00
25	Isophorone	40.000	38.737	3.2	84	0.00
26 C	2-Nitrophenol	40.000	40.333	-0.8	84	0.00
27	2,4-Dimethylphenol	40.000	38.666	3.3	83	0.00
28	bis(2-Chloroethoxy)methane	40.000	38.878	2.8	84	0.00
29 C	2,4-Dichlorophenol	40.000	38.983	2.5	83	0.00
30	1,2,4-Trichlorobenzene	40.000	38.835	2.9	83	0.00
31	Naphthalene	40.000	38.890	2.8	84	0.00
32	Benzoic acid	40.000	35.279	11.8	73	0.02
33	4-Chloroaniline	40.000	39.314	1.7	85	0.00
34 C	Hexachlorobutadiene	40.000	39.023	2.4	83	0.00
35	Caprolactam	40.000	41.901	-4.8	90	0.00
36 C	4-Chloro-3-methylphenol	40.000	39.303	1.7	84	0.00
37	2-Methylnaphthalene	40.000	39.127	2.2	84	0.00
38	1-Methylnaphthalene	40.000	38.925	2.7	84	0.00
39 I	Acenaphthene-d10	20.000	20.000	0.0	84	0.00
40	1,2,4,5-Tetrachlorobenzene	40.000	38.905	2.7	87	0.00
41 P	Hexachlorocyclopentadiene	40.000	40.686	-1.7	85	0.00
42 S	2,4,6-Tribromophenol	80.000	77.630	3.0	84	0.00
43 C	2,4,6-Trichlorophenol	40.000	38.180	4.6	85	0.00
44	2,4,5-Trichlorophenol	40.000	37.813	5.5	82	0.00
45 S	2-Fluorobiphenyl	80.000	81.561	-2.0	91	0.00
46	1,1'-Biphenyl	40.000	38.145	4.6	84	0.00
47	2-Chloronaphthalene	40.000	37.941	5.1	84	0.00

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF070825\
 Data File : BF143025.D
 Acq On : 08 Jul 2025 10:54
 Operator : RC/JU
 Sample : SSTDCCC040
 Misc :
 ALS Vial : 2 Sample Multiplier: 1

Instrument :
 BNA_F
 LabSampleId :
 SSTDCCC040

Quant Time: Jul 08 12:00:55 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	39.256	1.9	85	0.00
49	Acenaphthylene	40.000	37.997	5.0	84	0.00
50	Dimethylphthalate	40.000	39.752	0.6	88	0.00
51	2,6-Dinitrotoluene	40.000	39.188	2.0	85	0.00
52 C	Acenaphthene	40.000	39.643	0.9	87	0.00
53	3-Nitroaniline	40.000	38.881	2.8	85	0.00
54 P	2,4-Dinitrophenol	40.000	52.757	-31.9#	111	0.01
55	Dibenzofuran	40.000	38.268	4.3	85	0.00
56 P	4-Nitrophenol	40.000	48.300	-20.7	105	0.01
57	2,4-Dinitrotoluene	40.000	39.860	0.4	86	0.00
58	Fluorene	40.000	39.038	2.4	87	0.00
59	2,3,4,6-Tetrachlorophenol	40.000	37.618	6.0	83	0.00
60	Diethylphthalate	40.000	39.111	2.2	86	0.00
61	4-Chlorophenyl-phenylether	40.000	39.156	2.1	88	0.00
62	4-Nitroaniline	40.000	39.365	1.6	87	0.00
63	Azobenzene	40.000	37.977	5.1	84	0.00
64 I	Phenanthrene-d10	20.000	20.000	0.0	83	0.00
65	4,6-Dinitro-2-methylphenol	40.000	39.580	1.1	83	0.00
66 c	n-Nitrosodiphenylamine	40.000	39.436	1.4	84	0.00
67	4-Bromophenyl-phenylether	40.000	40.413	-1.0	87	0.00
68	Hexachlorobenzene	40.000	39.689	0.8	86	0.00
69	Atrazine	40.000	42.266	-5.7	90	0.00
70 C	Pentachlorophenol	40.000	58.845	-47.1#	123	0.00
71	Phenanthrene	40.000	38.822	2.9	85	0.00
72	Anthracene	40.000	39.196	2.0	85	0.00
73	Carbazole	40.000	37.887	5.3	84	0.00
74	Di-n-butylphthalate	40.000	40.919	-2.3	89	0.00
75 C	Fluoranthene	40.000	37.322	6.7	83	0.00
76 I	Chrysene-d12	20.000	20.000	0.0	77	0.00
77	Benzydine	40.000	48.779	-21.9	91	0.00
78	Pyrene	40.000	45.585	-14.0	94	0.00
79 S	Terphenyl-d14	80.000	84.898	-6.1	89	0.00
80	Butylbenzylphthalate	40.000	42.130	-5.3	80	0.00
81	Benzo(a)anthracene	40.000	38.824	2.9	80	0.00
82	3,3'-Dichlorobenzidine	40.000	40.538	-1.3	79	0.00
83	Chrysene	40.000	38.568	3.6	77	0.00
84	Bis(2-ethylhexyl)phthalate	40.000	39.625	0.9	74	0.00
85 c	Di-n-octyl phthalate	40.000	40.101	-0.3	78	0.00
86 I	Perylene-d12	20.000	20.000	0.0	79	0.01
87	Indeno(1,2,3-cd)pyrene	40.000	39.633	0.9	81	0.03
88	Benzo(b)fluoranthene	40.000	39.146	2.1	84	0.00
89	Benzo(k)fluoranthene	40.000	36.576	8.6	76	0.00
90 C	Benzo(a)pyrene	40.000	38.995	2.5	81	0.01
91	Dibenzo(a,h)anthracene	40.000	38.971	2.6	81	0.03
92	Benzo(g,h,i)perylene	40.000	38.829	2.9	80	0.04

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF070825\
Data File : BF143025.D
Acq On : 08 Jul 2025 10:54
Operator : RC/JU
Sample : SSTDCCC040
Misc :
ALS Vial : 2 Sample Multiplier: 1

Instrument :
BNA_F
LabSampleId :
SSTDCCC040

Quant Time: Jul 08 12:00:55 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



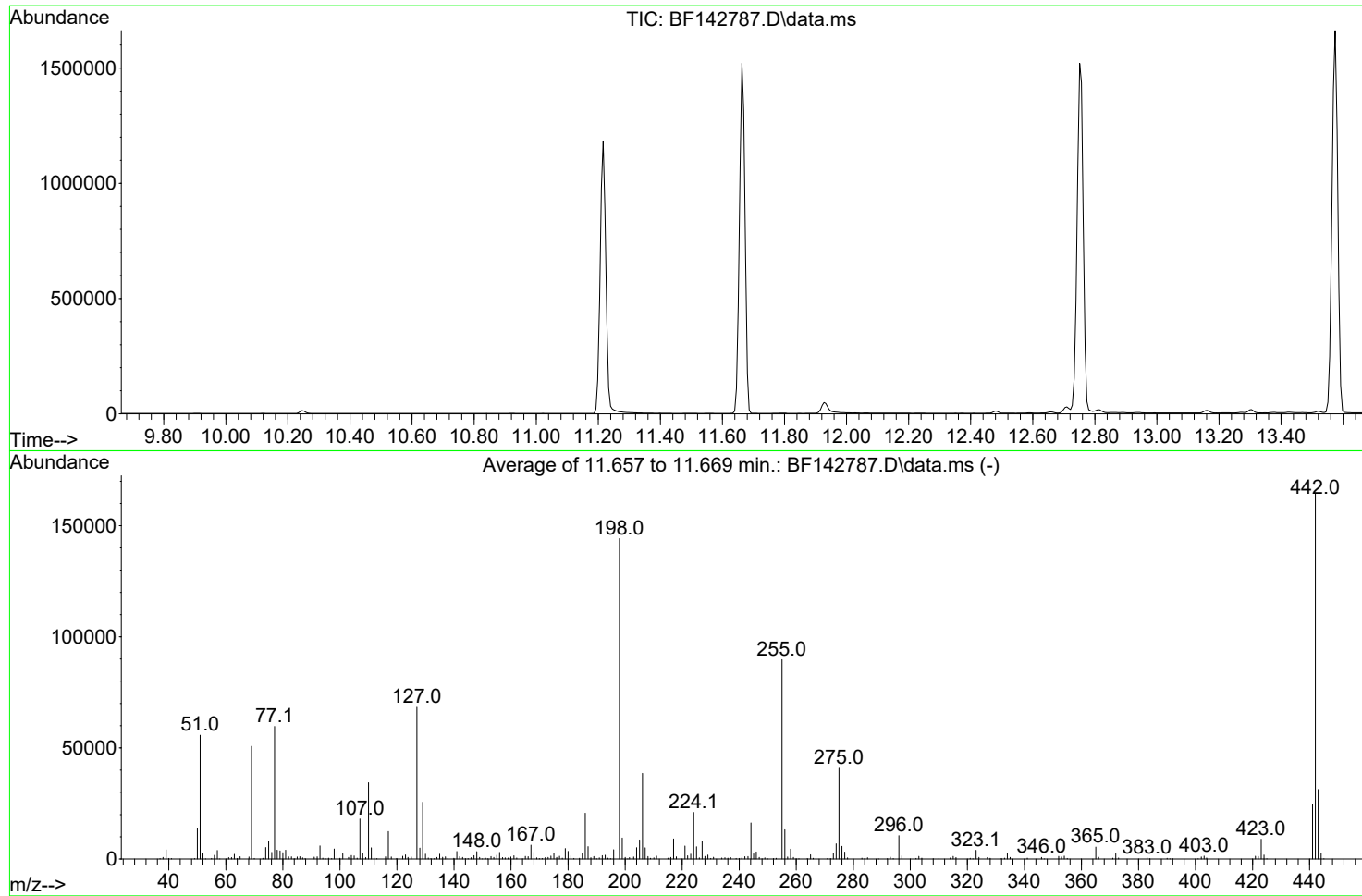
QC SAMPLE DATA

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

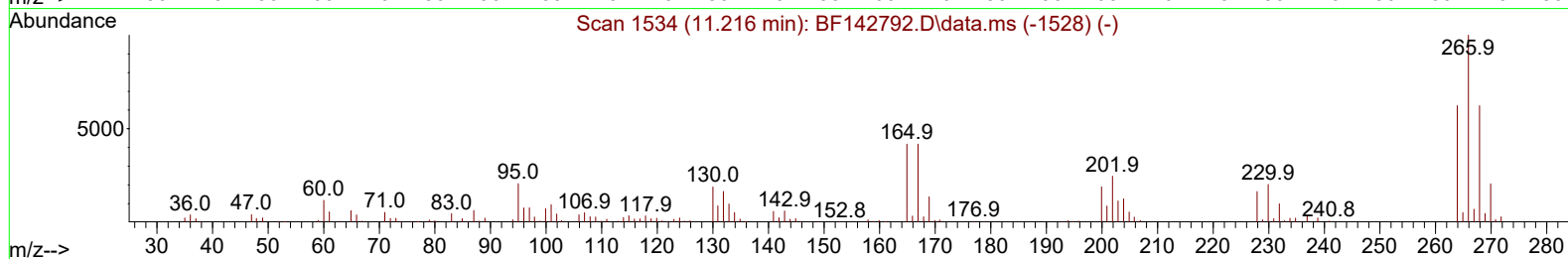
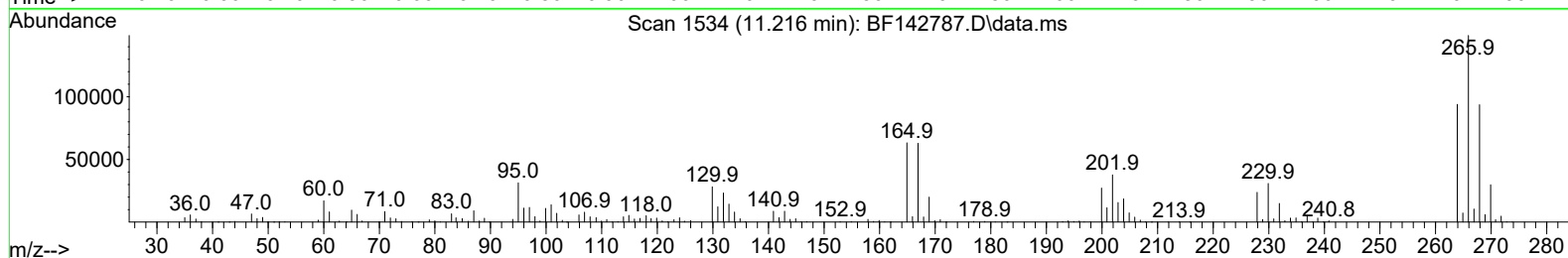
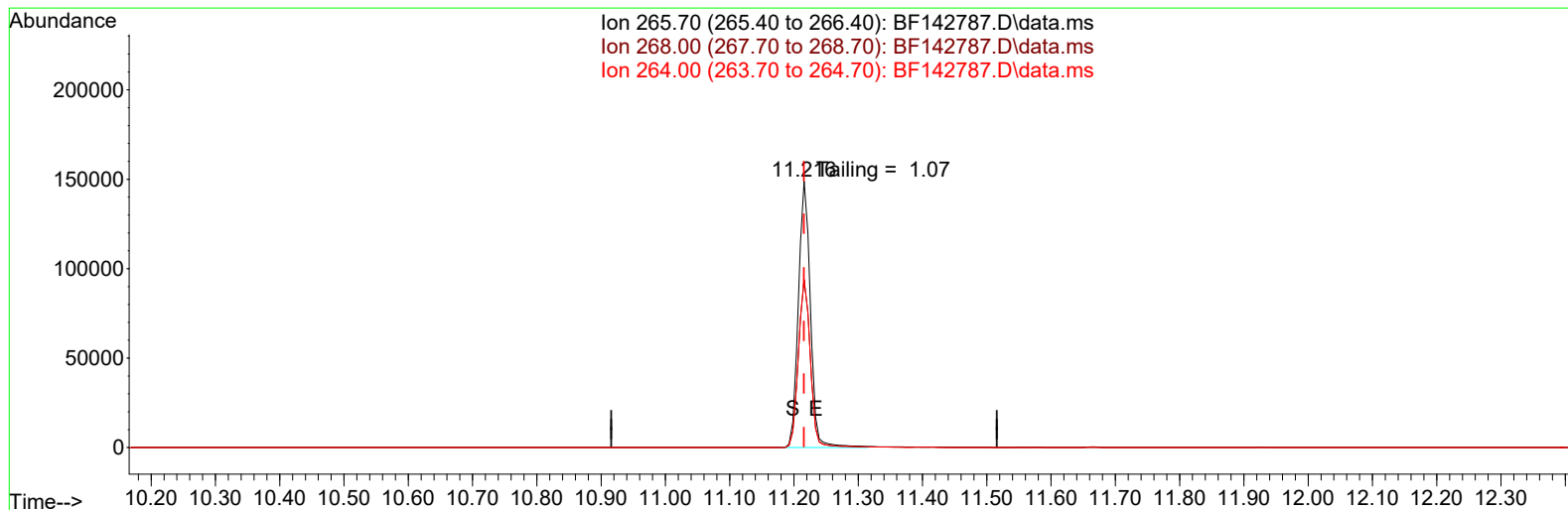
Date	Instrument Name	DFTPP Data File
6/19/2025	BNA_F	<u>BF142787.D</u>
Compound Name	Response	Retention Time
DDT	429715	13.574
DDD	7712	13.304
DDE	717	12.939
SUM(DDD+DDE)	SUM(DDT+DDD+DDE)	% Breakdown Of DDT
8429	438144	1.92

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

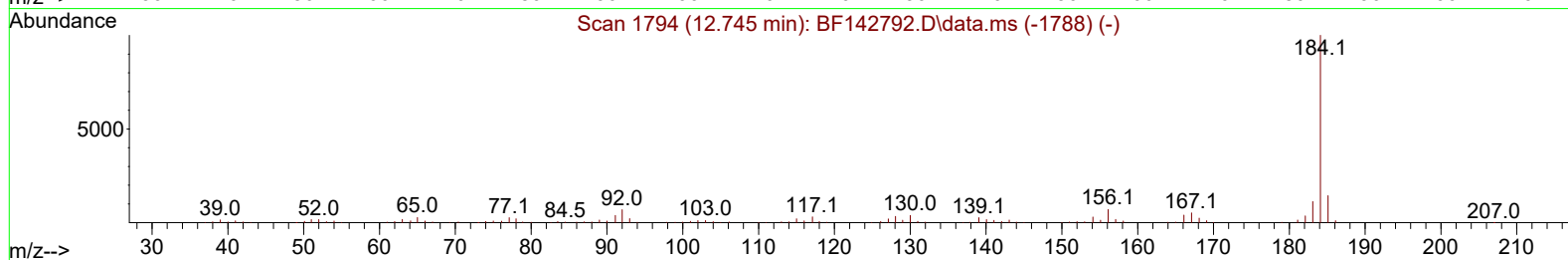
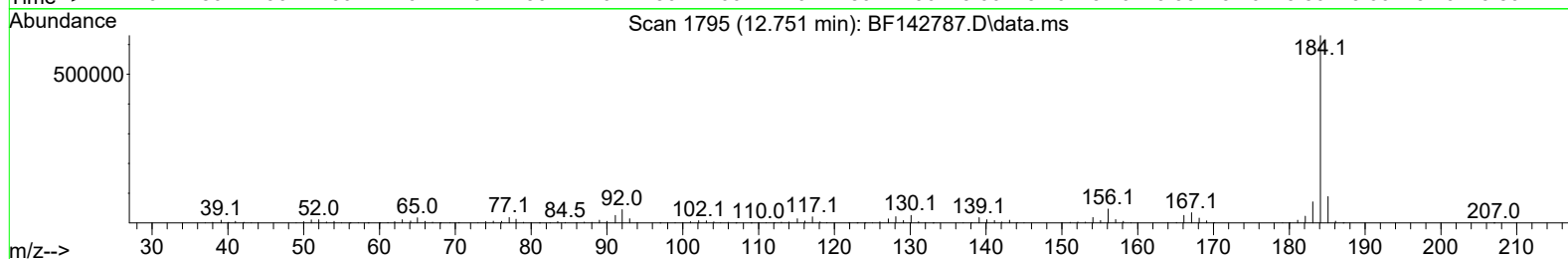
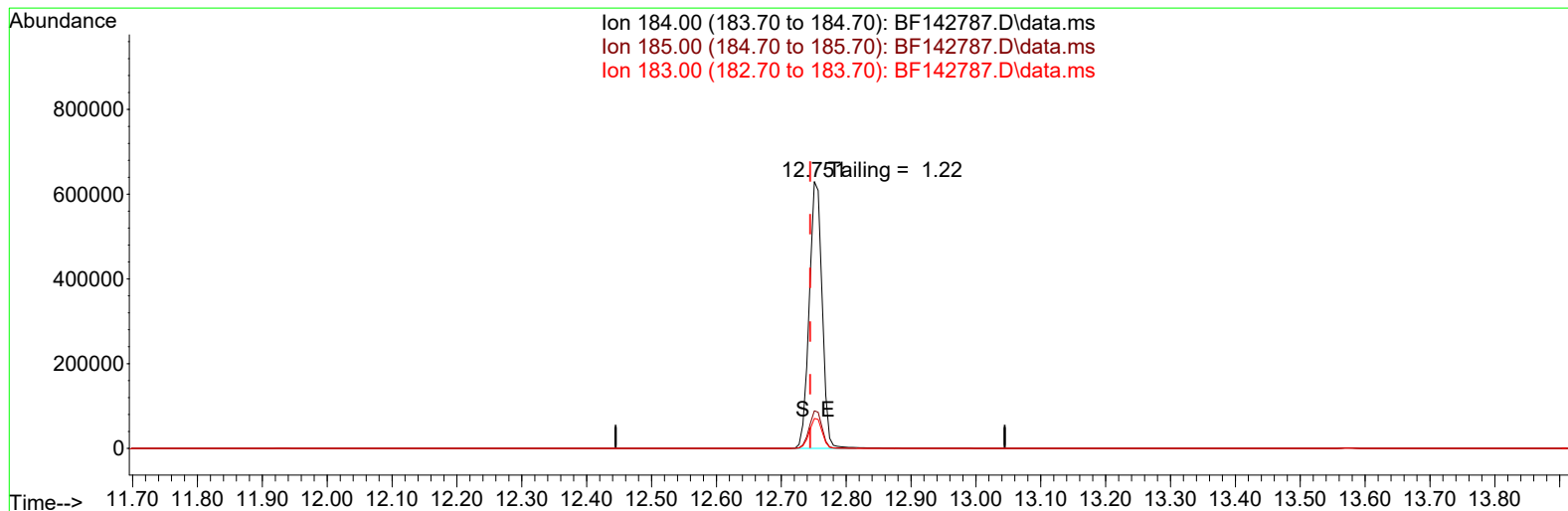
response 195787

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

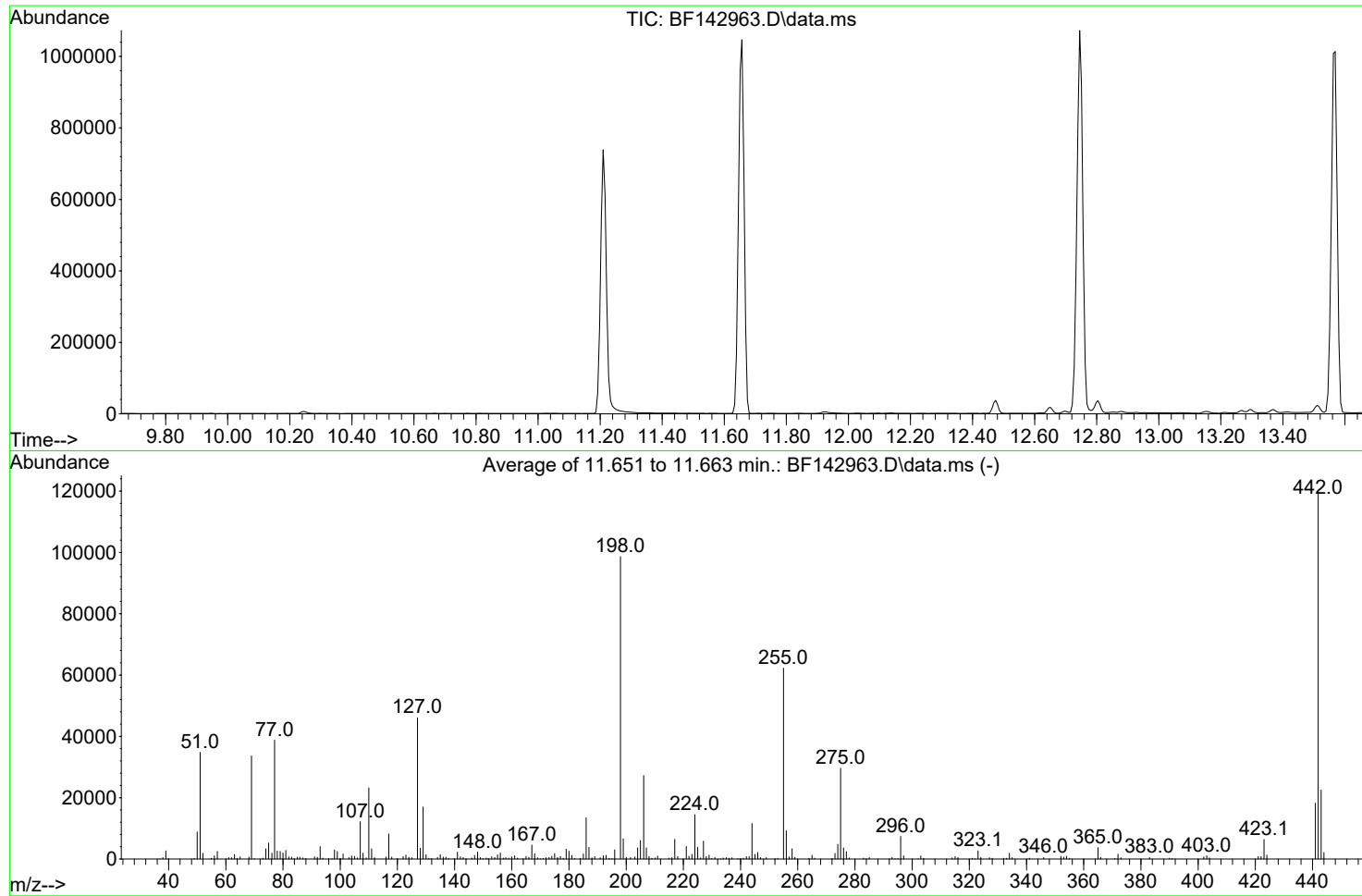
Ion	Exp%	Act%
184.00	100.00	100.00
185.00	14.40	14.11
183.00	11.20	11.25
0.00	0.00	0.00

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF070225\
Data File : BF142963.D
Acq On : 02 Jul 2025 11:11
Operator : RC/JU
Sample : DFTPP
Misc :
ALS Vial : 1 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
DFTPP

Integration File: rteint.p

Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF061925.M
Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
Last Update : Tue Jun 24 05:28:21 2025



AutoFind: Scans 1608, 1609, 1610; Background Corrected with Scan 1601

Target Mass	Rel. to Mass	Lower Limit%	Upper Limit%	Rel. Abn%	Raw Abn	Result Pass/Fail
68	69	0.00	2	1.9	624	PASS
69	69	100	100	100.0	33651	PASS
70	69	0.00	2	0.4	133	PASS
197	198	0.00	2	0.0	0	PASS
198	198	100	100	100.0	98616	PASS
199	198	5	9	6.7	6630	PASS
365	198	1	100	3.8	3728	PASS
441	443	0.01	150	81.0	18210	PASS
442	442	100	100	100.0	119077	PASS
443	442	15	24	18.9	22491	PASS

DDT Breakdown

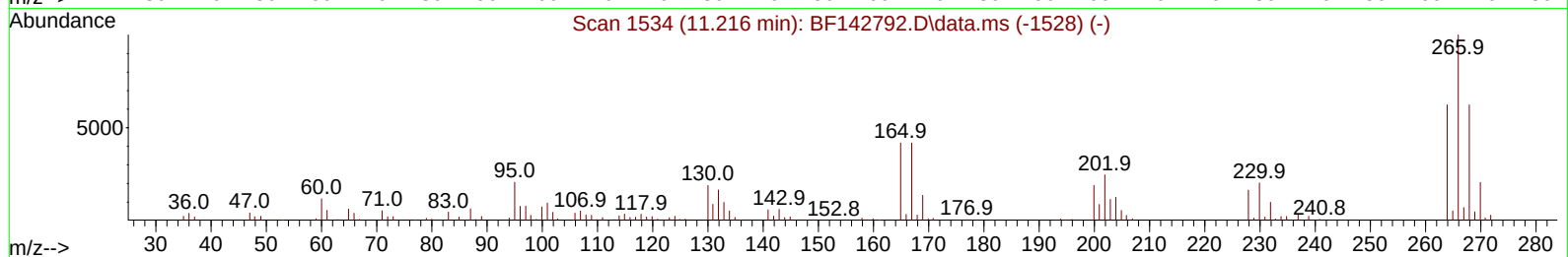
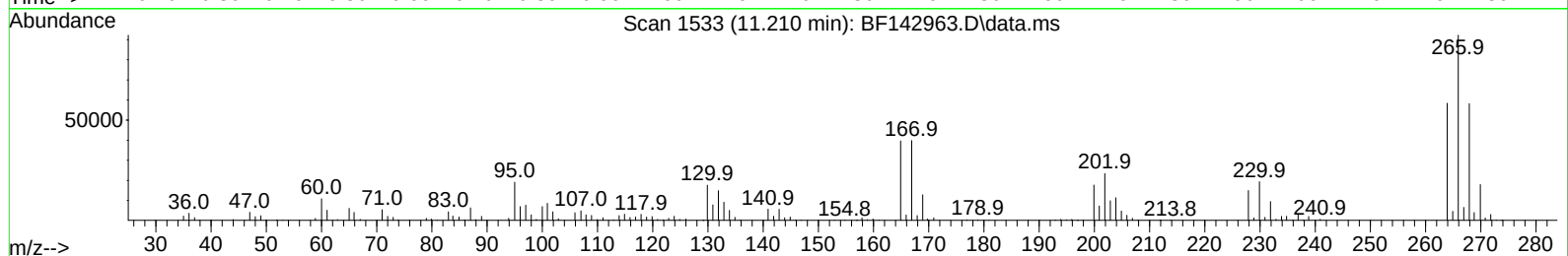
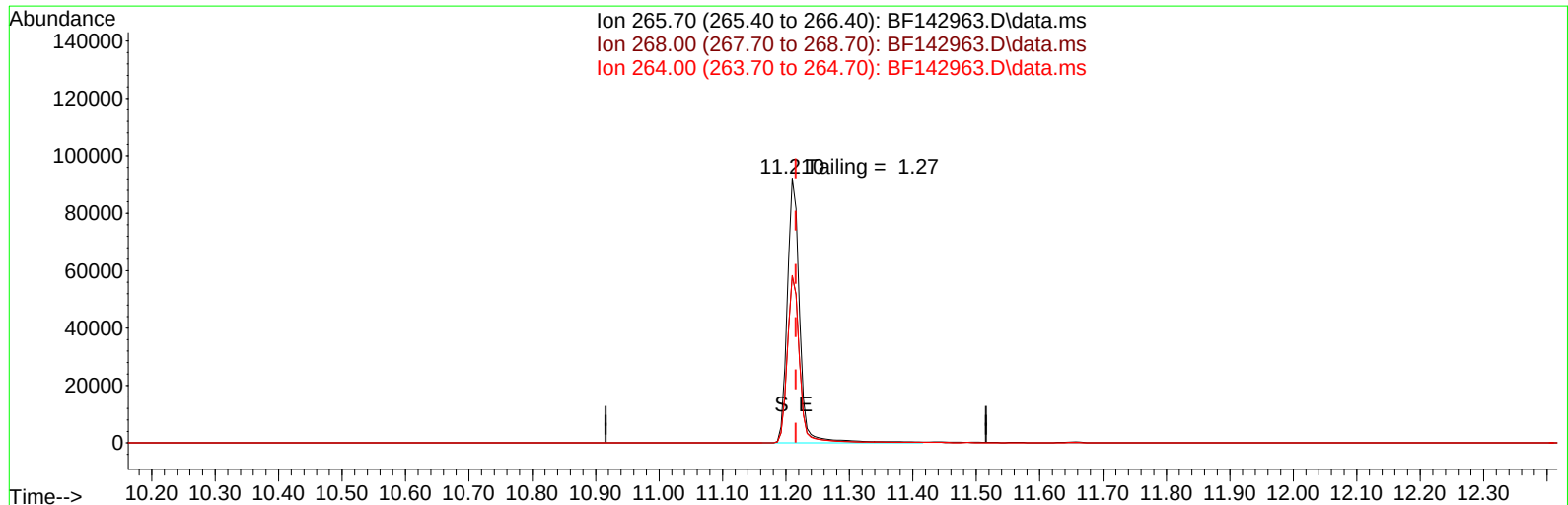
Date	Instrument Name	DFTPP Data File
7/2/2025	BNA_F	<u>BF142963.D</u>
Compound Name	Response	Retention Time
DDT	275405	13.569
DDD	6210	13.292
DDE	759	12.927
SUM(DDD+DDE)	SUM(DDT+DDD+DDE)	% Breakdown Of DDT
6969	282374	2.47

Instrument :
BNA_F
ClientSampleId :
DFTPP

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF070225\
Data File : BF142963.D
Acq On : 02 Jul 2025 11:11
Operator : RC/JU
Sample : DFTPP
Misc :
ALS Vial : 1 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
DFTPP

Quant Time: Jul 02 12:34:50 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF061925.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Tue Jun 24 05:28:21 2025
Response via : Initial Calibration



TIC: BF142963.D\data.ms

(70) Pentachlorophenol (C)

11.210min (-0.006) 40110.10 ng

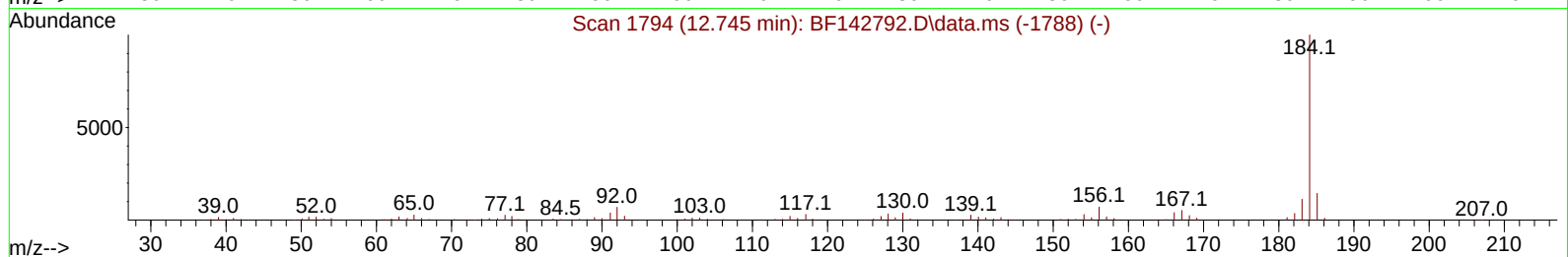
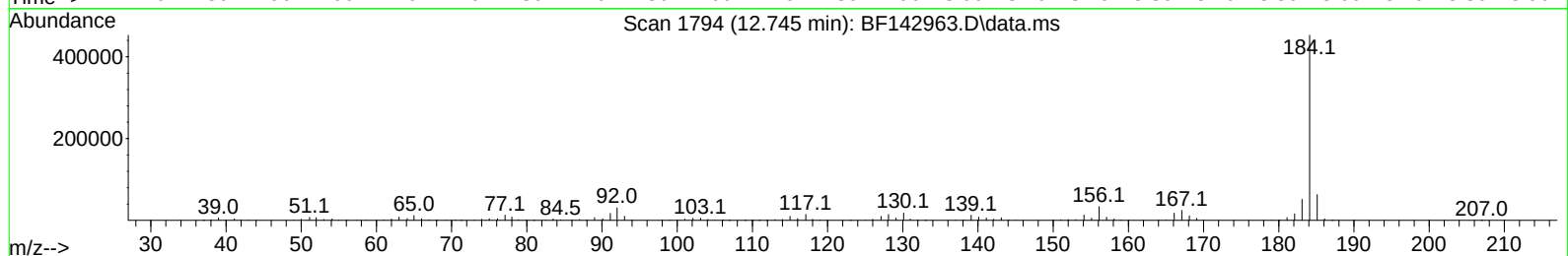
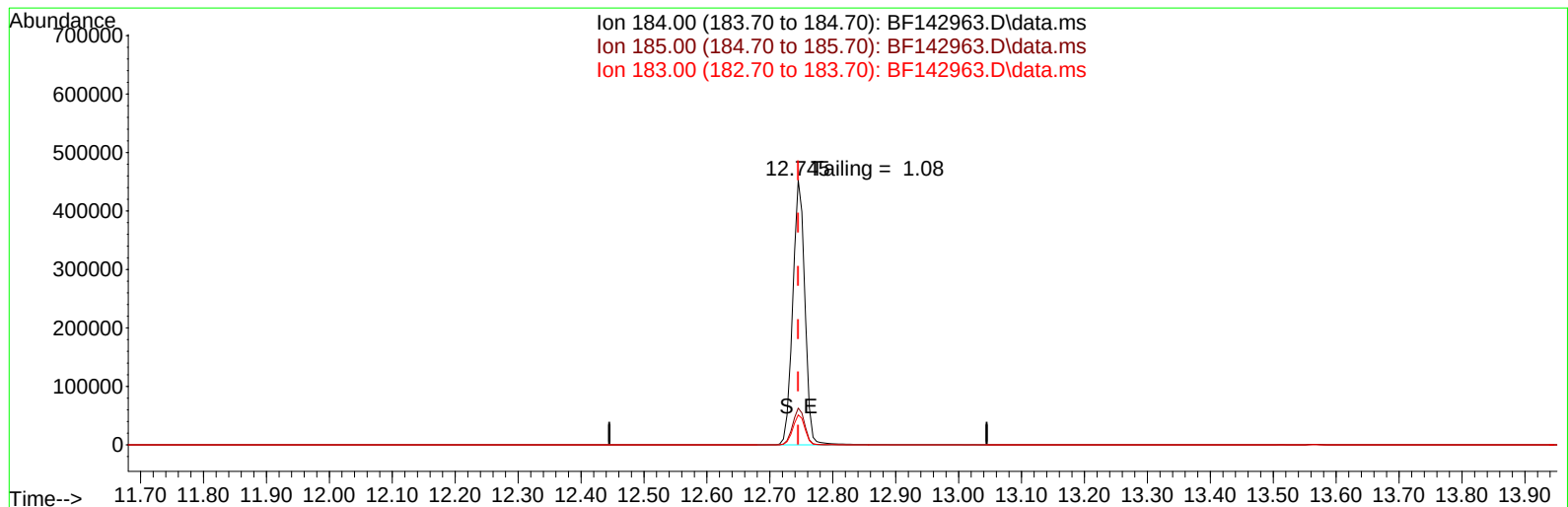
response 126631

Ion	Exp%	Act%
265.70	100.00	100.00
268.00	62.30	63.15
264.00	62.40	63.29
0.00	0.00	0.00

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF070225\
Data File : BF142963.D
Acq On : 02 Jul 2025 11:11
Operator : RC/JU
Sample : DFTPP
Misc :
ALS Vial : 1 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
DFTPP

Quant Time: Jul 02 12:34:50 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF061925.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Tue Jun 24 05:28:21 2025
Response via : Initial Calibration



TIC: BF142963.D\data.ms

(77) Benzidine

12.745min (+ 0.000) 0.00 ng

response 612096

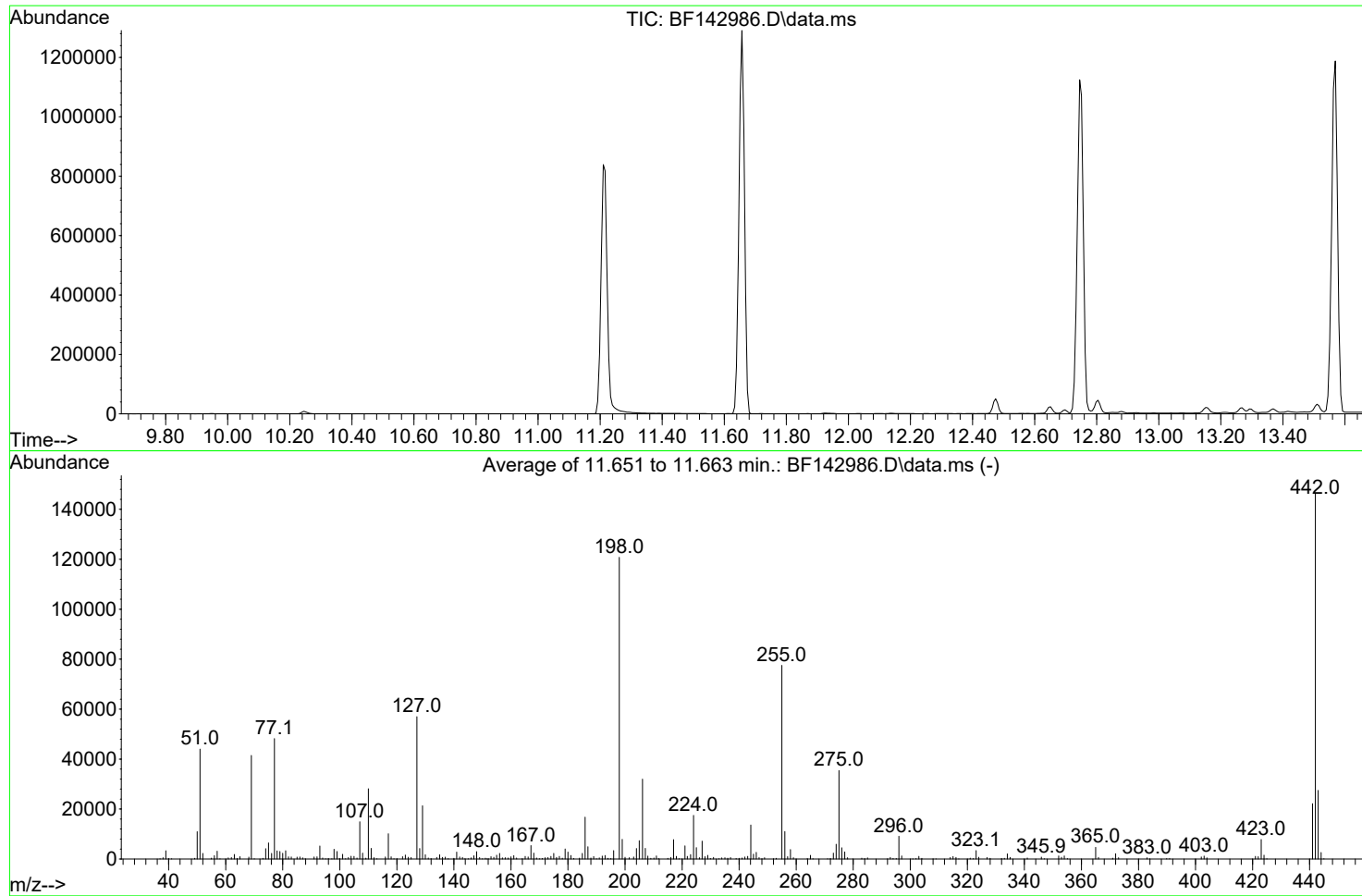
Ion	Exp%	Act%
184.00	100.00	100.00
185.00	14.40	13.89
183.00	11.20	11.35
0.00	0.00	0.00

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF070325\
Data File : BF142986.D
Acq On : 03 Jul 2025 09:25
Operator : RC/JU
Sample : DFTPP
Misc :
ALS Vial : 1 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
DFTPP

Integration File: rteint.p

Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF061925.M
Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
Last Update : Tue Jun 24 05:28:21 2025



AutoFind: Scans 1608, 1609, 1610; Background Corrected with Scan 1601

Target Mass	Rel. to Mass	Lower Limit%	Upper Limit%	Rel. Abn%	Raw Abn	Result Pass/Fail
68	69	0.00	2	1.8	753	PASS
69	69	100	100	100.0	41448	PASS
70	69	0.00	2	0.3	128	PASS
197	198	0.00	2	0.0	0	PASS
198	198	100	100	100.0	120760	PASS
199	198	5	9	6.5	7874	PASS
365	198	1	100	3.9	4686	PASS
441	443	0.01	150	80.6	22149	PASS
442	442	100	100	100.0	146165	PASS
443	442	15	24	18.8	27493	PASS

DDT Breakdown

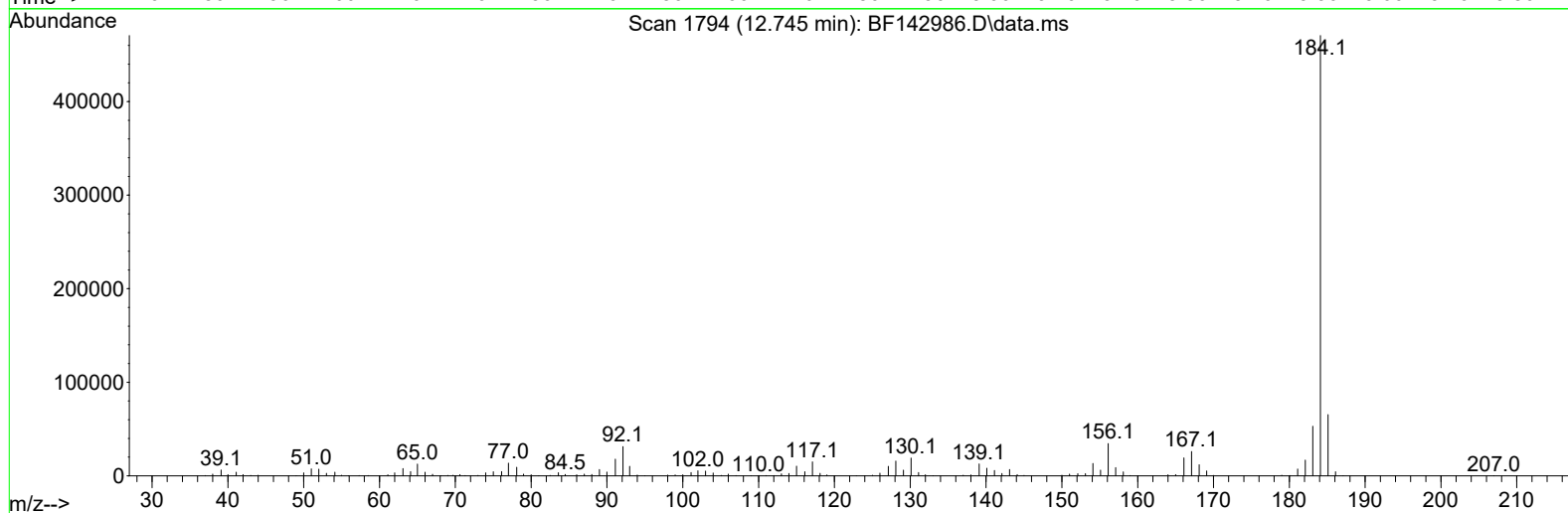
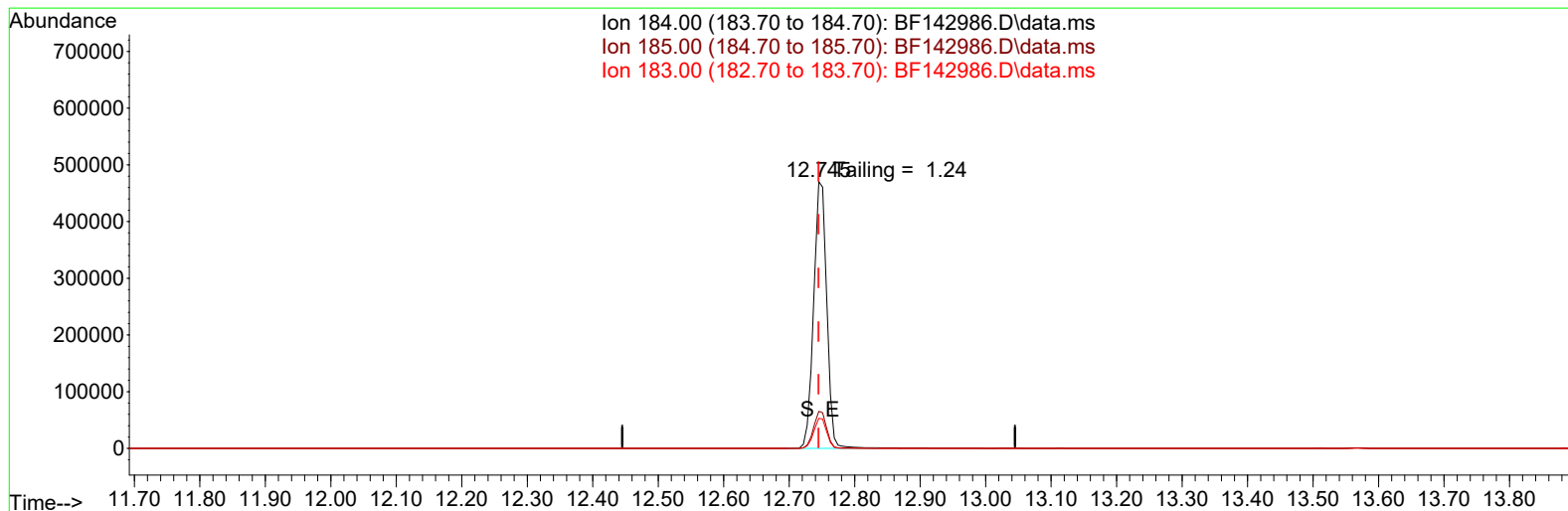
Date	Instrument Name	DFTPP Data File
7/3/2025	BNA_F	<u>BF142940.D</u>
Compound Name	Response	Retention Time
DDT	315072	13.569
DDD	9738	13.269
DDE	534	12.927
SUM(DDD+DDE)	SUM(DDT+DDD+DDE)	% Breakdown Of DDT
10272	325344	3.16

Instrument :
BNA_F
ClientSampleId :
DFTPP

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF070325\
Data File : BF142986.D
Acq On : 03 Jul 2025 09:25
Operator : RC/JU
Sample : DFTPP
Misc :
ALS Vial : 1 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
DFTPP

Quant Time: Jul 03 11:16:49 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: BF142986.D\data.ms

(77) Benzidine

12.745min (+ 0.000) 0.00 ng

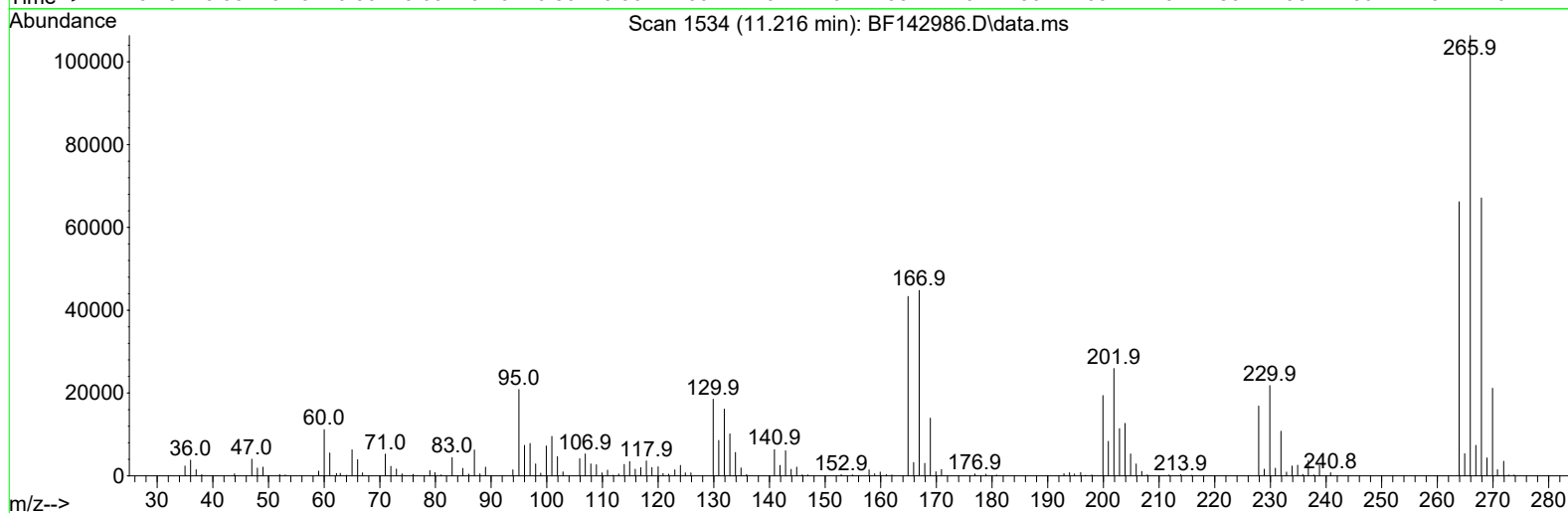
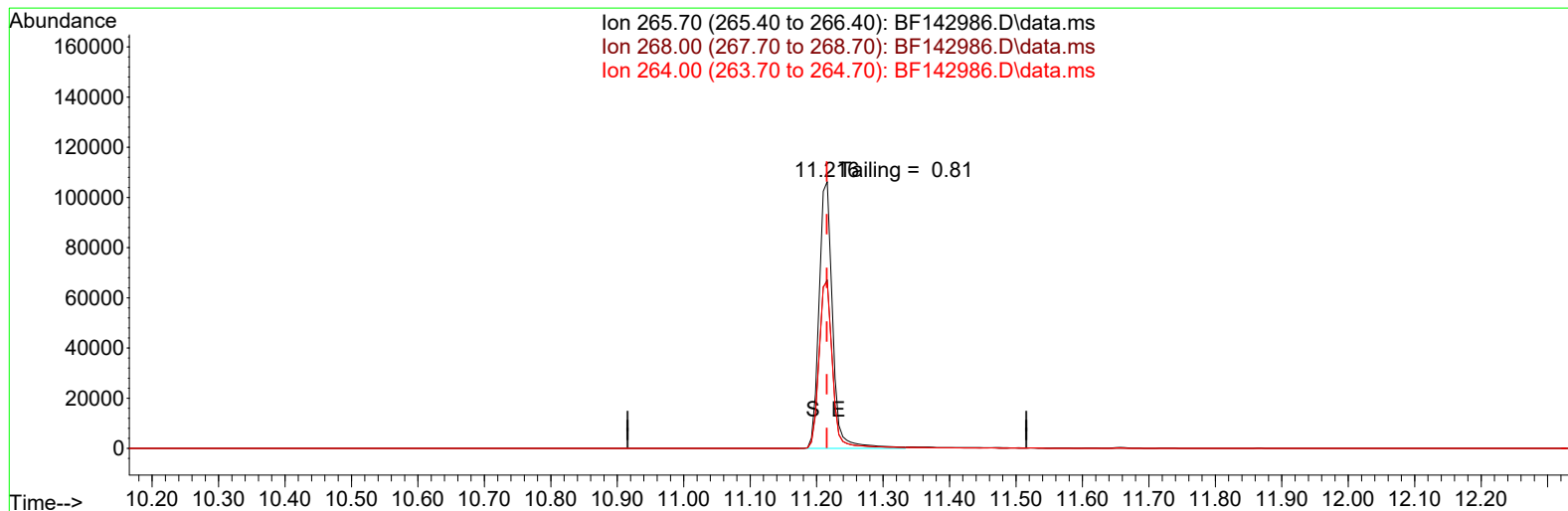
response 654353

Ion	Exp%	Act%
184.00	100.00	100.00
185.00	14.40	13.91
183.00	11.20	11.27
0.00	0.00	0.00

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF070325\
Data File : BF142986.D
Acq On : 03 Jul 2025 09:25
Operator : RC/JU
Sample : DFTPP
Misc :
ALS Vial : 1 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
DFTPP

Quant Time: Jul 03 11:16:49 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: BF142986.D\data.ms

(70) Pentachlorophenol (C)

11.216min (+ 0.000) 44040.02 ng

response 150694

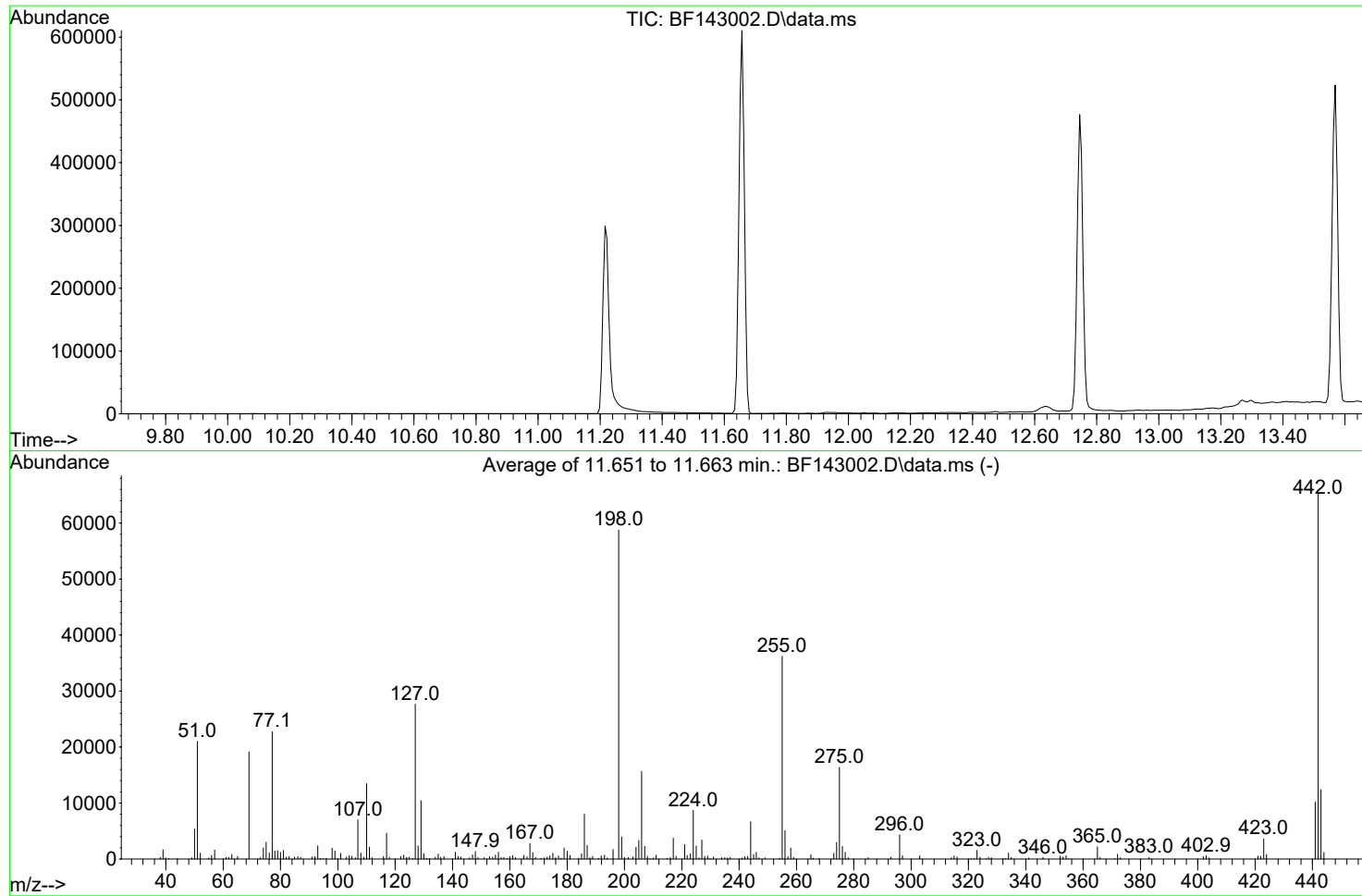
Ion	Exp%	Act%
265.70	100.00	100.00
268.00	62.30	63.11
264.00	62.40	62.24
0.00	0.00	0.00

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF070725\
Data File : BF143002.D
Acq On : 07 Jul 2025 11:12
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	0.0	0	PASS
69	69	100	100	100.0	19140	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	58773	PASS
199	198	5	9	6.7	3928	PASS
365	198	1	100	3.7	2188	PASS
441	443	0.01	150	81.7	10137	PASS
442	442	100	100	100.0	65205	PASS
443	442	15	24	19.0	12401	PASS

DDT Breakdown

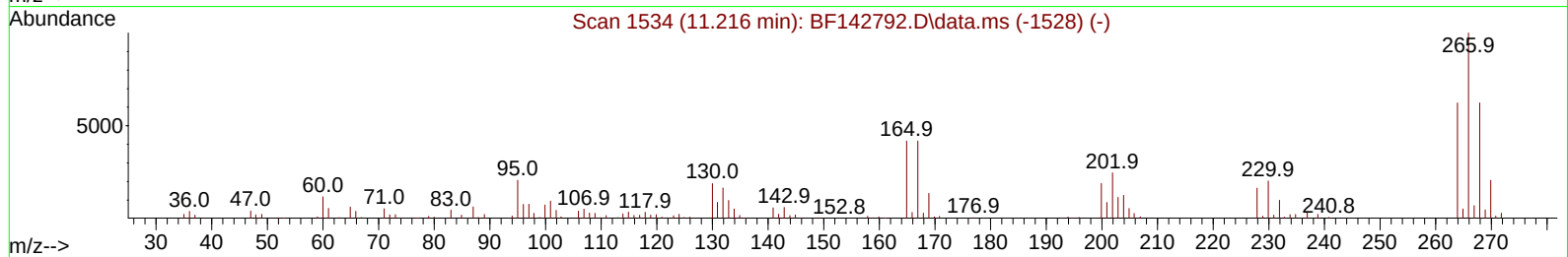
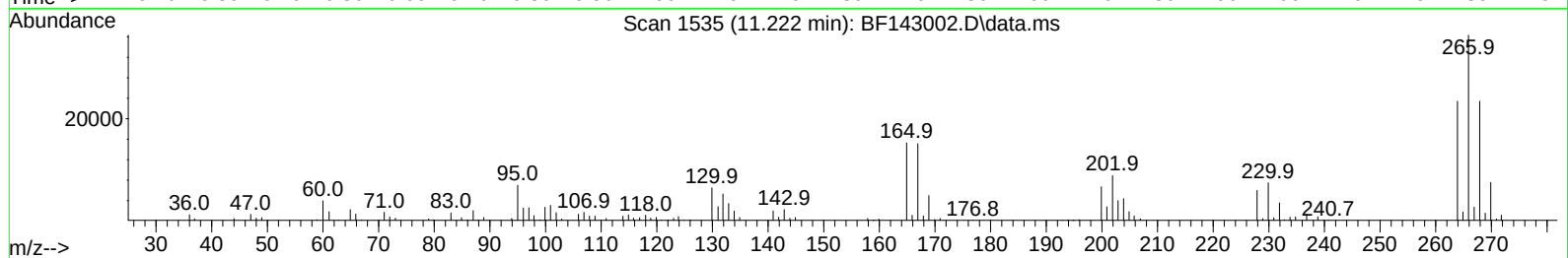
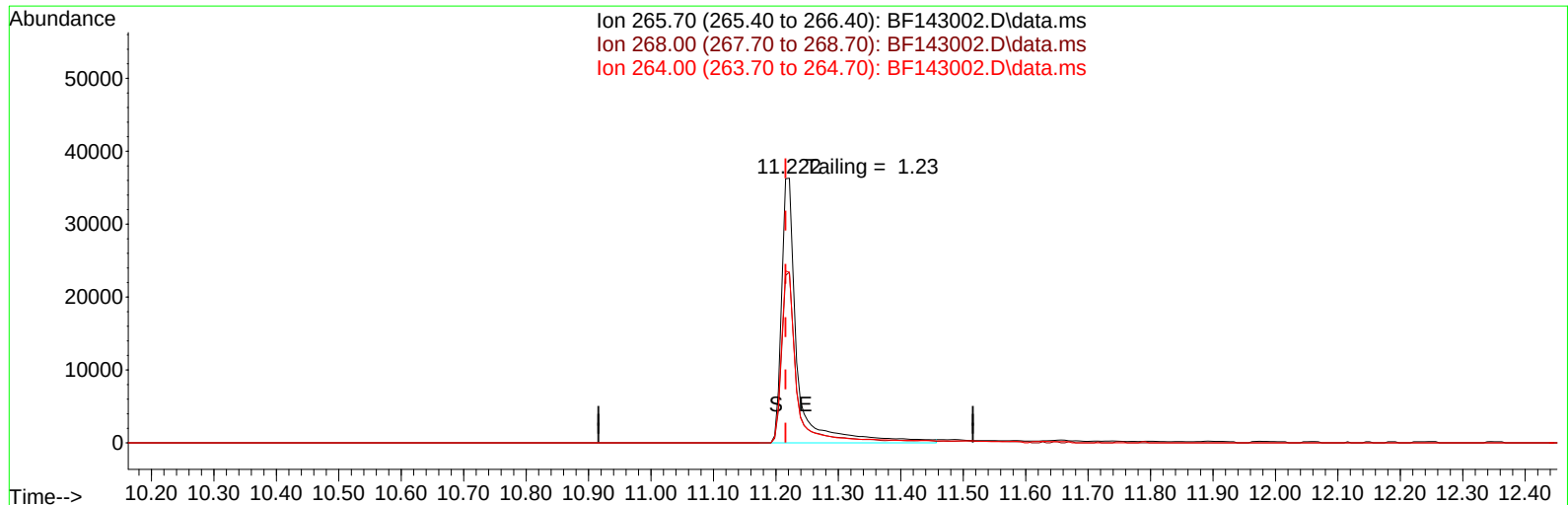
Date	Instrument Name	DFTPP Data File
7/7/2025	BNA_F	<u>BF143002.D</u>
Compound Name	Response	Retention Time
DDT	129967	13.568
DDD	4973	13.268
DDE	479	12.933
SUM(DDD+DDE)	SUM(DDT+DDD+DDE)	% Breakdown Of DDT
5452	135419	4.03

Instrument :
BNA_F
ClientSampleId :
DFTPP

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF070725\
Data File : BF143002.D
Acq On : 07 Jul 2025 11:12
Operator : RC/JU
Sample : DFTPP
Misc :
ALS Vial : 1 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
DFTPP

Quant Time: Jul 07 13:07:55 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: BF143002.D\data.ms

(70) Pentachlorophenol (C)

11.222min (+ 0.006) 41433.17 ng

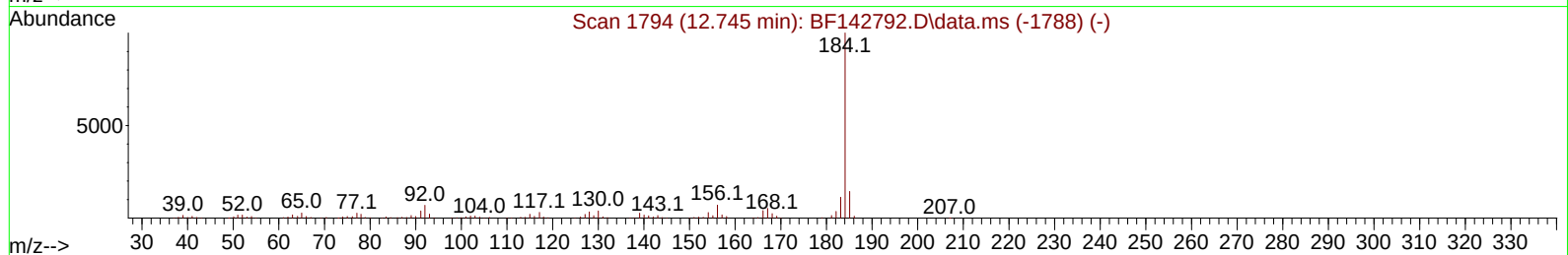
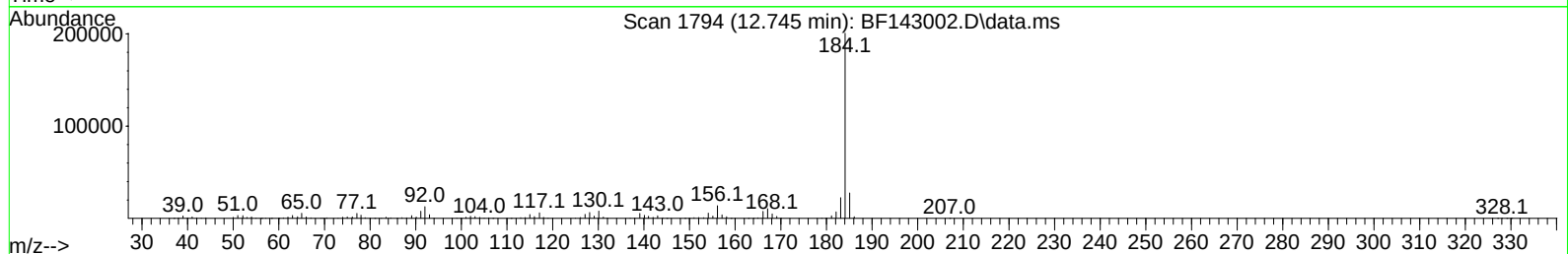
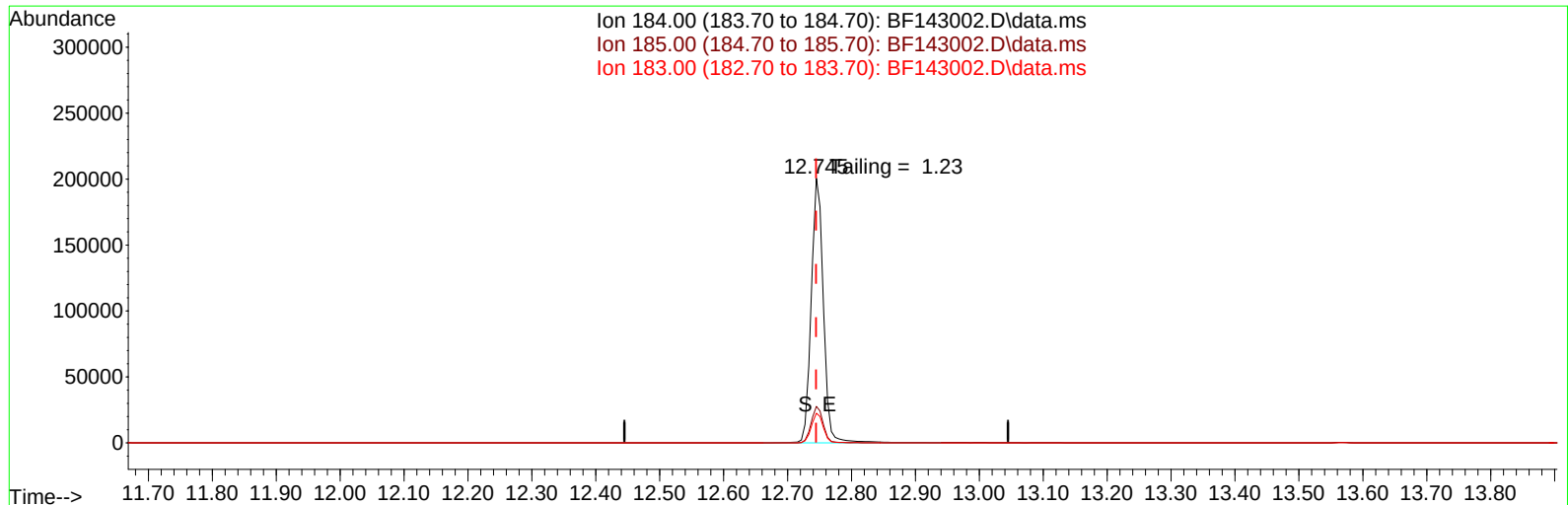
response 63968

Ion	Exp%	Act%
265.70	100.00	100.00
268.00	62.30	64.49
264.00	62.40	64.49
0.00	0.00	0.00

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF070725\
Data File : BF143002.D
Acq On : 07 Jul 2025 11:12
Operator : RC/JU
Sample : DFTPP
Misc :
ALS Vial : 1 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
DFTPP

Quant Time: Jul 07 13:07:55 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: BF143002.D\data.ms

(77) Benzidine

12.745min (+ 0.000) 0.00 ng

response 267776

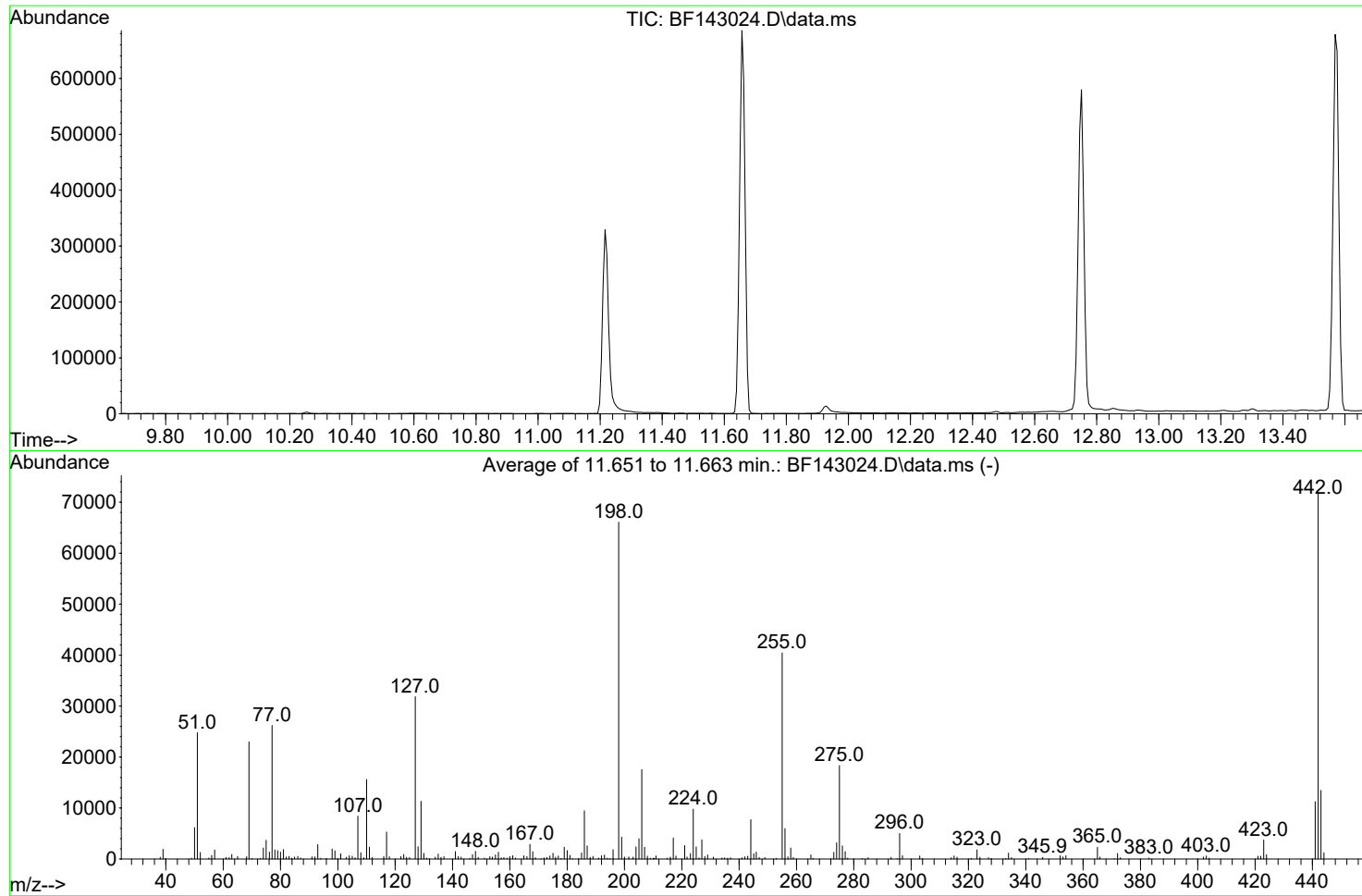
Ion	Exp%	Act%
184.00	100.00	100.00
185.00	14.40	13.80
183.00	11.20	11.22
0.00	0.00	0.00

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF070825\
Data File : BF143024.D
Acq On : 08 Jul 2025 10:24
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	2.0	457	PASS
69	69	100	100	100.0	22973	PASS
70	69	0.00	2	0.5	123	PASS
197	198	0.00	2	0.0	0	PASS
198	198	100	100	100.0	66072	PASS
199	198	5	9	6.5	4287	PASS
365	198	1	100	3.5	2336	PASS
441	443	0.01	150	83.6	11262	PASS
442	442	100	100	100.0	71613	PASS
443	442	15	24	18.8	13467	PASS

Instrument :
BNA_F
ClientSampleId :
DFTPP

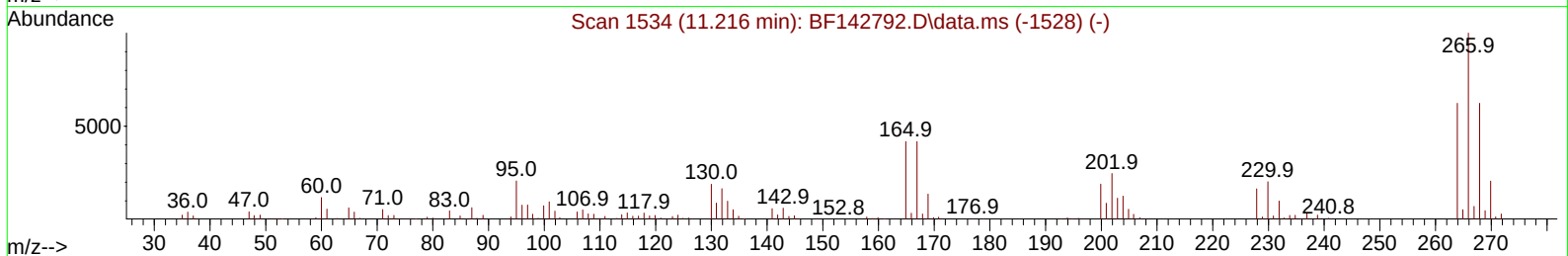
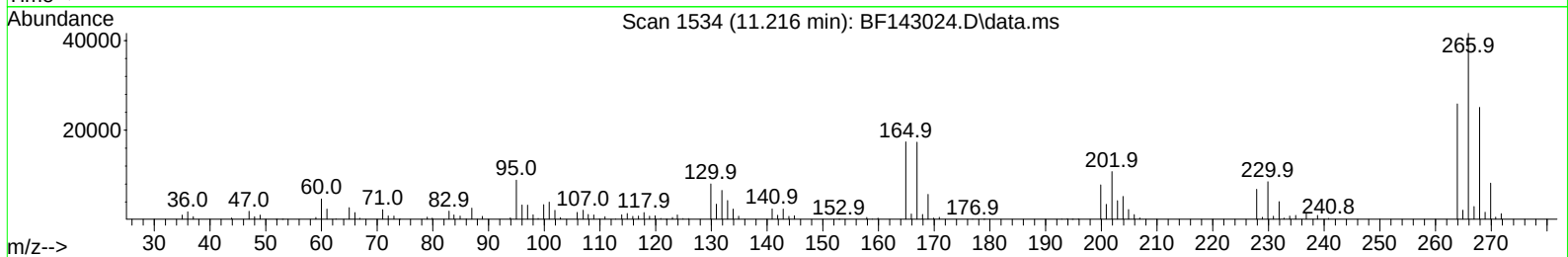
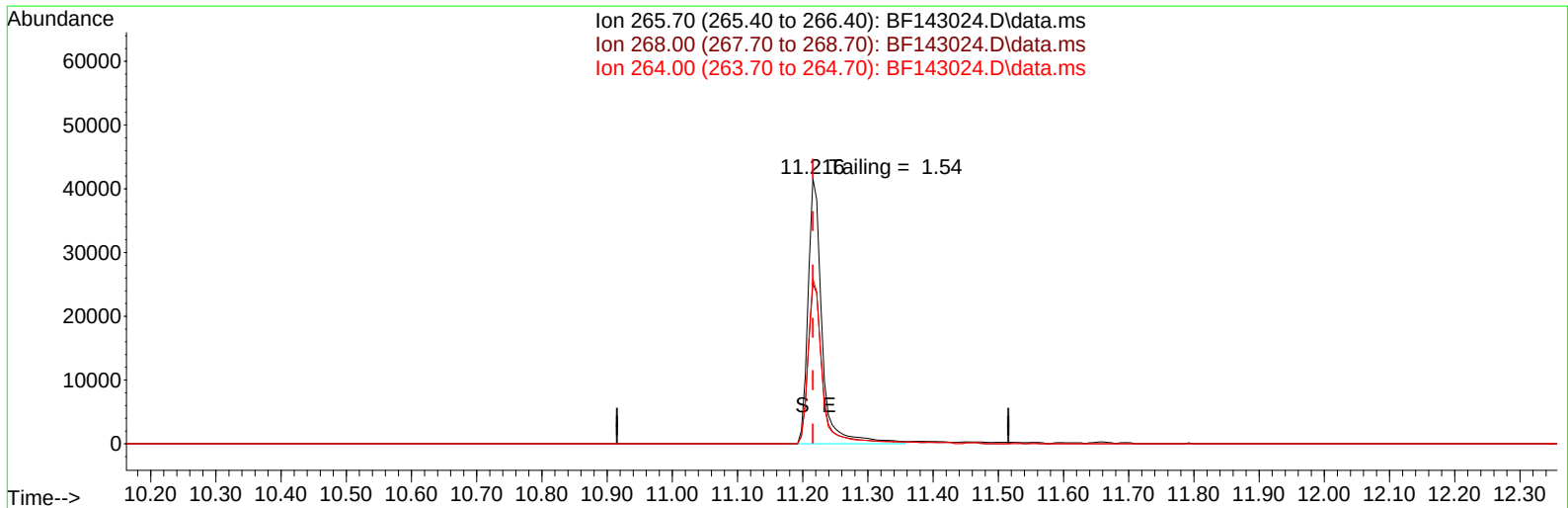
DDT Breakdown

Date	Instrument Name	DFTPP Data File
7/8/2025	BNA_F	<u>BF143024.D</u>
Compound Name	Response	Retention Time
DDT	179865	13.568
DDD	3904	13.298
DDE	604	12.933
SUM(DDD+DDE)	SUM(DDT+DDD+DDE)	% Breakdown Of DDT
4508	184373	2.45

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF070825\
Data File : BF143024.D
Acq On : 08 Jul 2025 10:24
Operator : RC/JU
Sample : DFTPP
Misc :
ALS Vial : 1 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
DFTPP

Quant Time: Jul 08 11:36:04 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: BF143024.D\data.ms

(70) Pentachlorophenol (C)

11.216min (+ 0.000) 28385.23 ng

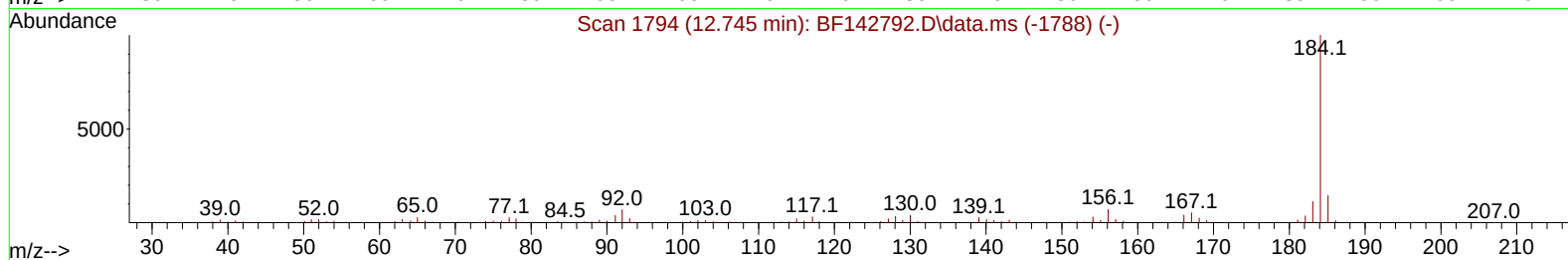
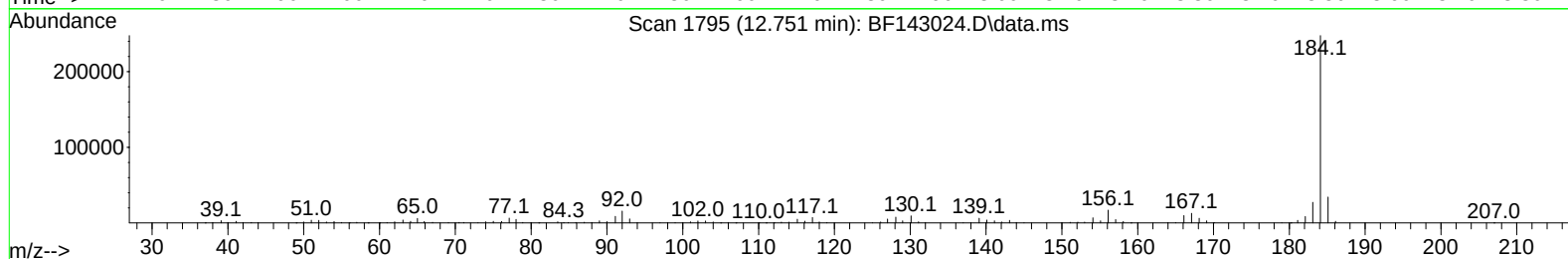
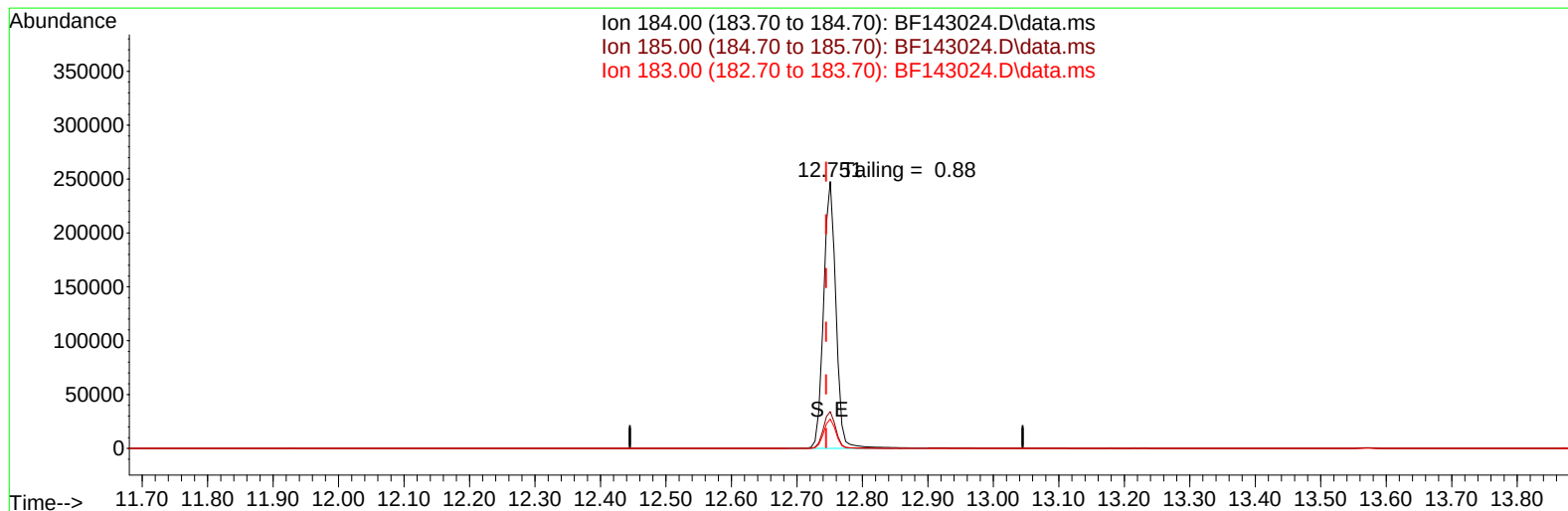
response 62605

Ion	Exp%	Act%
265.70	100.00	100.00
268.00	62.30	60.35
264.00	62.40	62.14
0.00	0.00	0.00

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF070825\
Data File : BF143024.D
Acq On : 08 Jul 2025 10:24
Operator : RC/JU
Sample : DFTPP
Misc :
ALS Vial : 1 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
DFTPP

Quant Time: Jul 08 11:36:04 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: BF143024.D\data.ms

(77) Benzidine

12.751min (+ 0.006) 0.00 ng

response 326123

Ion	Exp%	Act%
184.00	100.00	100.00
185.00	14.40	13.81
183.00	11.20	11.00
0.00	0.00	0.00

Report of Analysis

Client:	CDM Smith	Date Collected:	
Project:	South River WM Replacement	Date Received:	
Client Sample ID:	PB168694BL	SDG No.:	Q2484
Lab Sample ID:	PB168694BL	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
BF142988.D	1	07/02/25 08:55	07/03/25 10:26	PB168694

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:	CDM Smith	Date Collected:	
Project:	South River WM Replacement	Date Received:	
Client Sample ID:	PB168694BL	SDG No.:	Q2484
Lab Sample ID:	PB168694BL	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
BF142988.D	1	07/02/25 08:55	07/03/25 10:26	PB168694

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:	CDM Smith	Date Collected:	
Project:	South River WM Replacement	Date Received:	
Client Sample ID:	PB168694BL	SDG No.:	Q2484
Lab Sample ID:	PB168694BL	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
BF142988.D	1	07/02/25 08:55	07/03/25 10:26	PB168694

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	121		18 - 112	81%	SPK: 150
13127-88-3	Phenol-d6	119		15 - 107	80%	SPK: 150
4165-60-0	Nitrobenzene-d5	76.7		18 - 107	77%	SPK: 100
321-60-8	2-Fluorobiphenyl	75.5		20 - 109	76%	SPK: 100
118-79-6	2,4,6-Tribromophenol	124		10 - 116	82%	SPK: 150
1718-51-0	Terphenyl-d14	76.8		10 - 105	77%	SPK: 100
INTERNAL STANDARDS						
3855-82-1	1,4-Dichlorobenzene-d4	74500	6.875			
1146-65-2	Naphthalene-d8	287000	8.157			
15067-26-2	Acenaphthene-d10	156000	9.916			
1517-22-2	Phenanthrene-d10	262000	11.404			
1719-03-5	Chrysene-d12	143000	14.051			
1520-96-3	Perylene-d12	155000	15.545			
TENTATIVE IDENTIFIED COMPOUNDS						
000123-42-2	2-Pentanone, 4-hydroxy-4-methyl-	300	A		5.11	ug/Kg
006311-48-4	(1,1-Biphenyl)-4,4-diamine, N,N	390	J		17.2	ug/Kg

Report of Analysis

Client:	CDM Smith	Date Collected:	
Project:	South River WM Replacement	Date Received:	
Client Sample ID:	PB168694BL	SDG No.:	Q2484
Lab Sample ID:	PB168694BL	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
BF142988.D	1	07/02/25 08:55	07/03/25 10:26	PB168694

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\BF070325\
Data File : BF142988.D
Acq On : 03 Jul 2025 10:26
Operator : RC/JU
Sample : PB168694BL
Misc :
ALS Vial : 3 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
PB168694BL

Quant Time: Jul 03 11:17:57 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	74523	20.000	ng	0.00
21) Naphthalene-d8	8.157	136	286767	20.000	ng	-0.01
39) Acenaphthene-d10	9.916	164	155660	20.000	ng	0.00
64) Phenanthrene-d10	11.404	188	262266	20.000	ng	0.00
76) Chrysene-d12	14.051	240	143100	20.000	ng	0.00
86) Perylene-d12	15.545	264	155357	20.000	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.504	112	540733	120.806	ng	0.01
7) Phenol-d6	6.510	99	630710	119.433	ng	0.00
23) Nitrobenzene-d5	7.434	82	401071	76.714	ng	-0.01
42) 2,4,6-Tribromophenol	10.710	330	198022	123.621	ng	0.00
45) 2-Fluorobiphenyl	9.233	172	895101	75.541	ng	-0.01
79) Terphenyl-d14	12.992	244	795818	76.840	ng	0.00

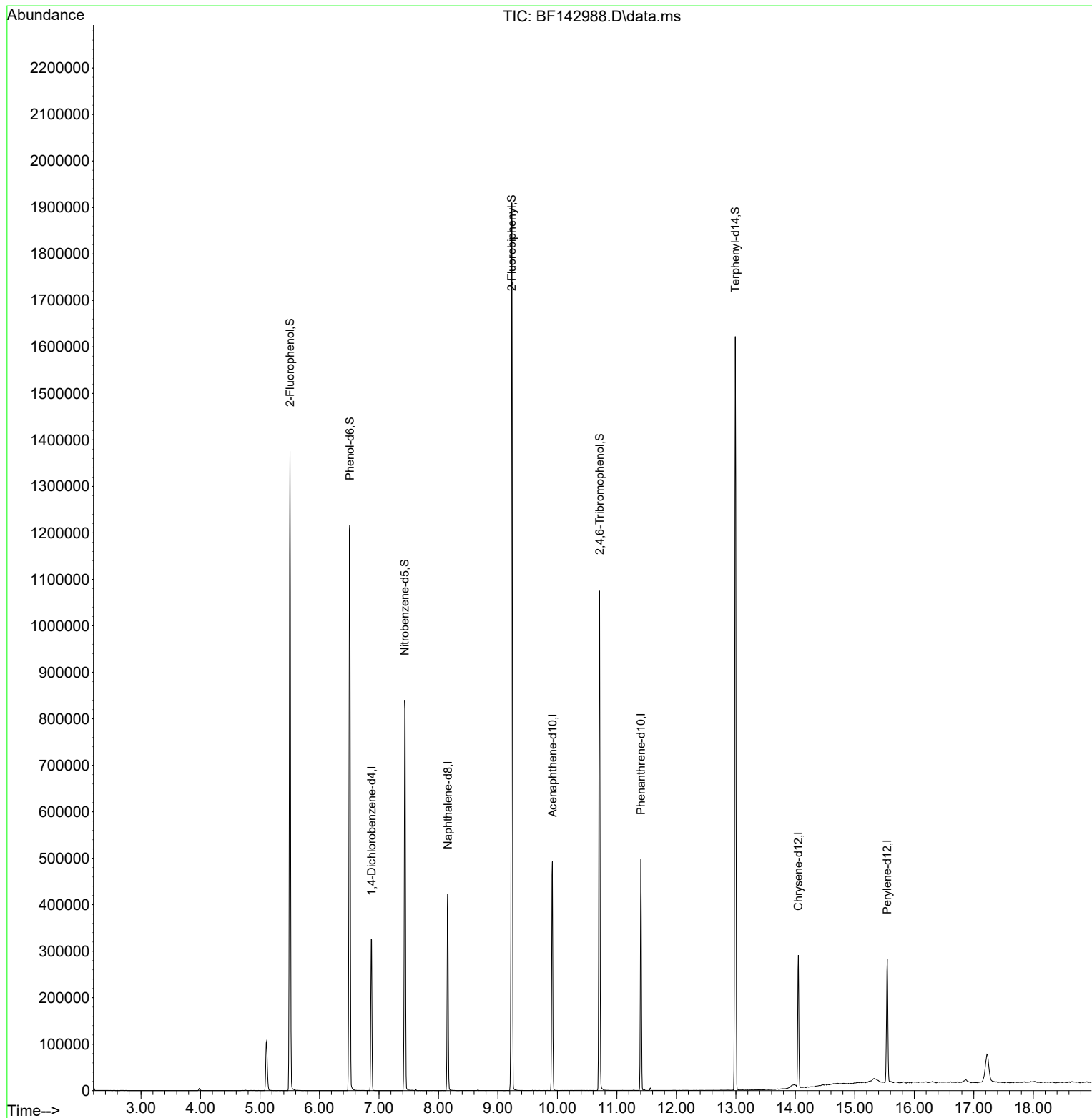
Target Compounds	Qvalue

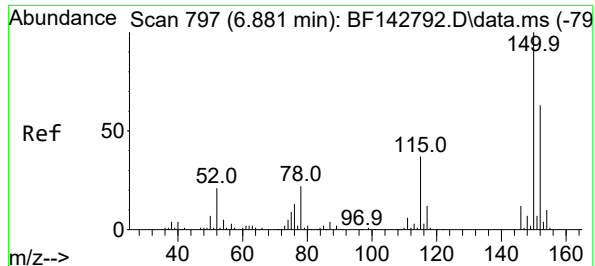
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF070325\
Data File : BF142988.D
Acq On : 03 Jul 2025 10:26
Operator : RC/JU
Sample : PB168694BL
Misc :
ALS Vial : 3 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
PB168694BL

Quant Time: Jul 03 11:17:57 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

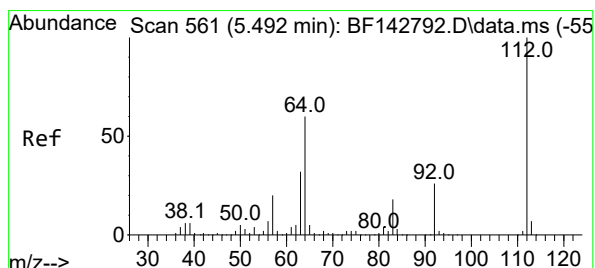
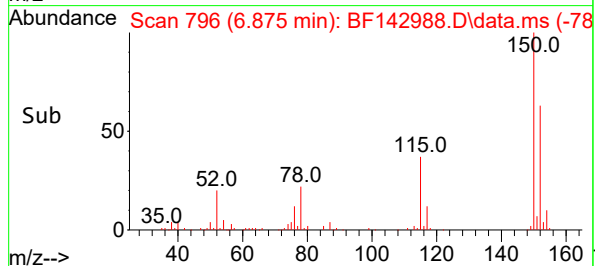
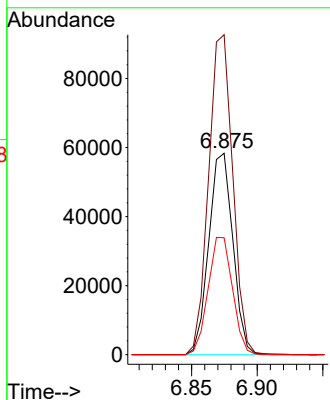
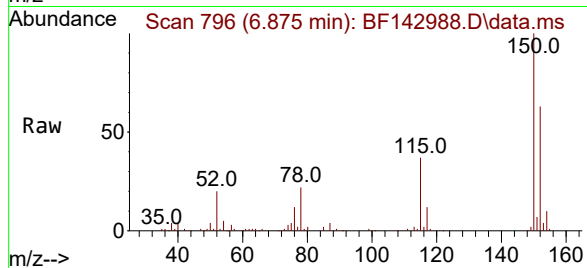




#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.875 min Scan# 797
Delta R.T. -0.006 min
Lab File: BF142988.D
Acq: 03 Jul 2025 10:26

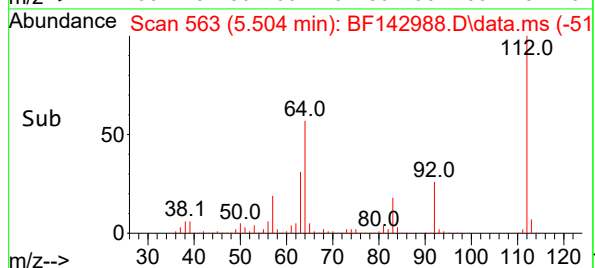
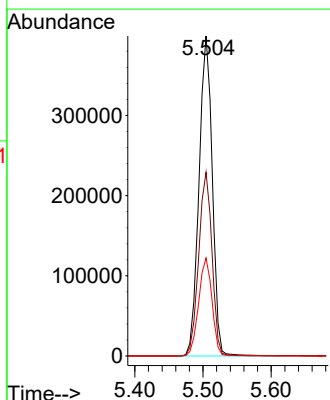
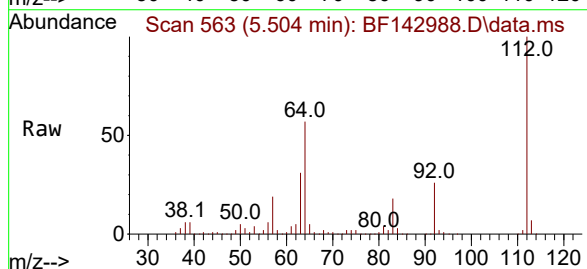
Instrument :
BNA_F
ClientSampleId :
PB168694BL

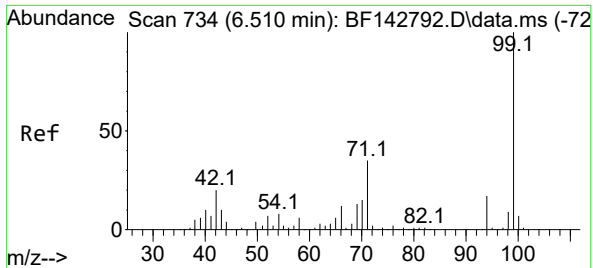
Tgt Ion:152 Resp: 74523
Ion Ratio Lower Upper
152 100
150 158.9 127.2 190.8
115 58.1 46.6 69.8



#5
2-Fluorophenol
Concen: 120.806 ng
RT: 5.504 min Scan# 563
Delta R.T. 0.012 min
Lab File: BF142988.D
Acq: 03 Jul 2025 10:26

Tgt Ion:112 Resp: 540733
Ion Ratio Lower Upper
112 100
64 57.4 48.2 72.2
63 30.6 25.7 38.5

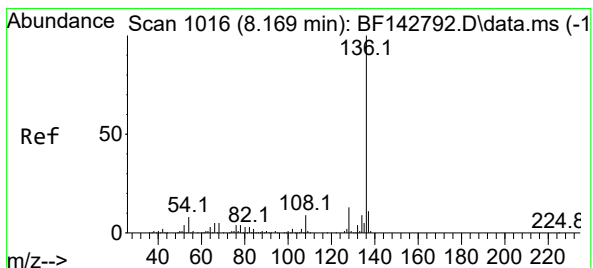
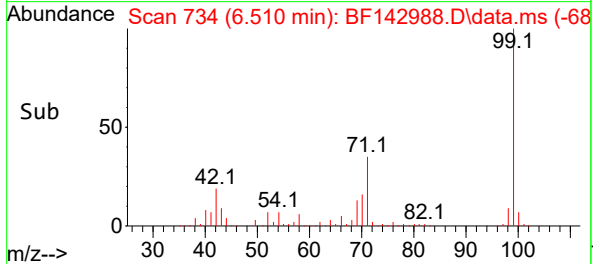
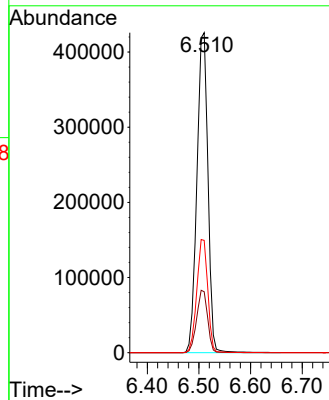
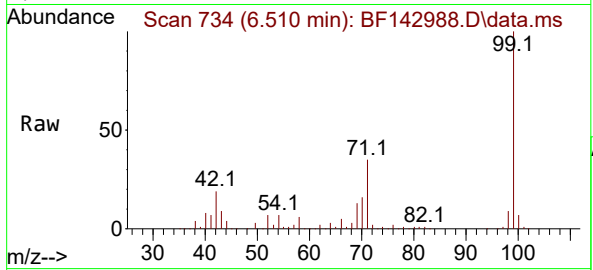




#7
Phenol-d6
Concen: 119.433 ng
RT: 6.510 min Scan# 71
Delta R.T. 0.000 min
Lab File: BF142988.D
Acq: 03 Jul 2025 10:26

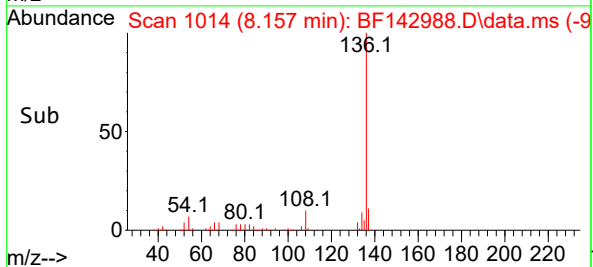
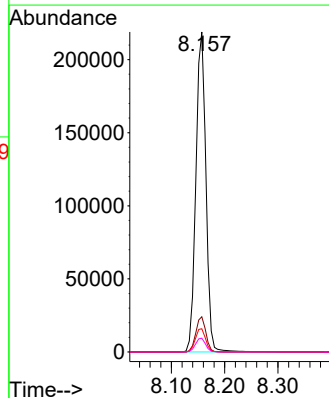
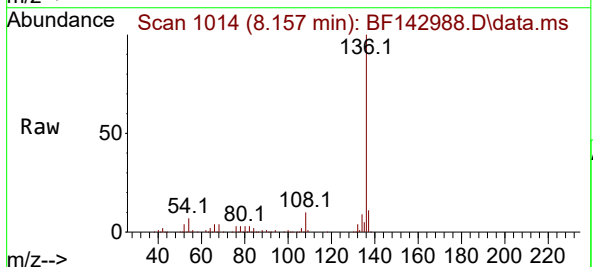
Instrument :
BNA_F
ClientSampleId :
PB168694BL

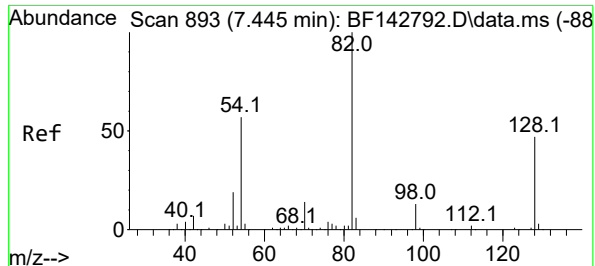
Tgt Ion: 99 Resp: 630710
Ion Ratio Lower Upper
99 100
42 19.1 15.9 23.9
71 35.1 27.8 41.8



#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.157 min Scan# 1014
Delta R.T. -0.012 min
Lab File: BF142988.D
Acq: 03 Jul 2025 10:26

Tgt Ion: 136 Resp: 286767
Ion Ratio Lower Upper
136 100
137 11.0 8.4 12.6
54 7.3 6.3 9.5
68 4.3 3.7 5.5





#23

Nitrobenzene-d5

Concen: 76.714 ng

RT: 7.434 min Scan# 89

Delta R.T. -0.011 min

Lab File: BF142988.D

Acq: 03 Jul 2025 10:26

Instrument :

BNA_F

ClientSampleId :

PB168694BL

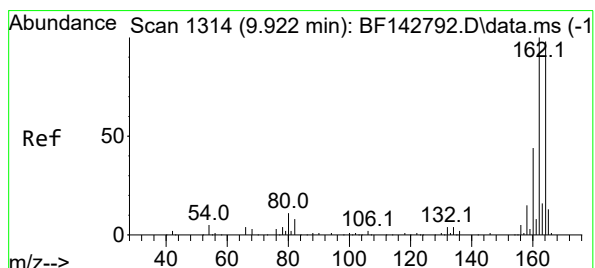
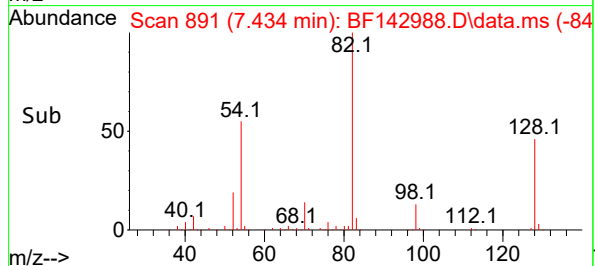
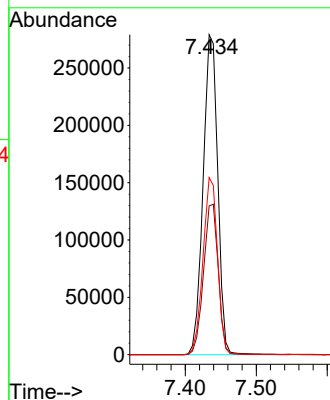
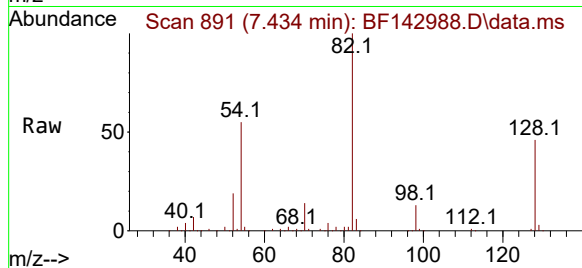
Tgt Ion: 82 Resp: 401071

Ion Ratio Lower Upper

82 100

128 46.5 37.7 56.5

54 55.4 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: BF142988.D

Acq: 03 Jul 2025 10:26

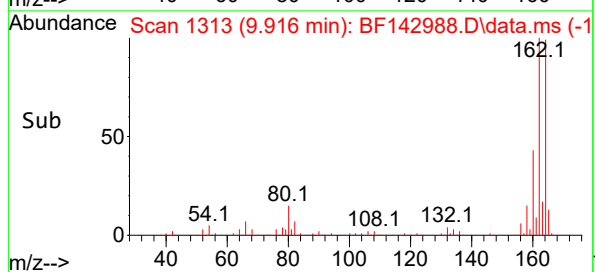
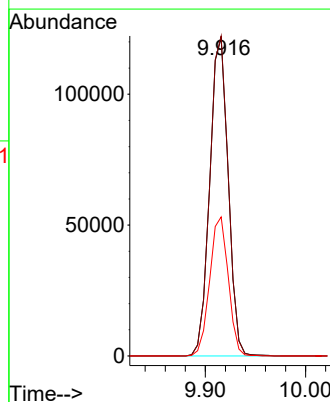
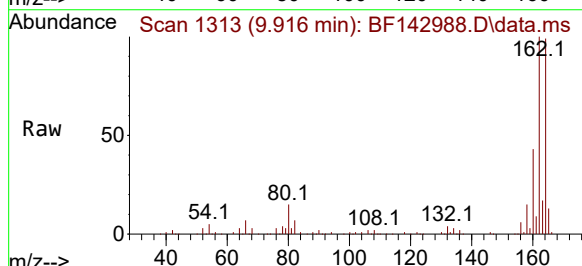
Tgt Ion:164 Resp: 155660

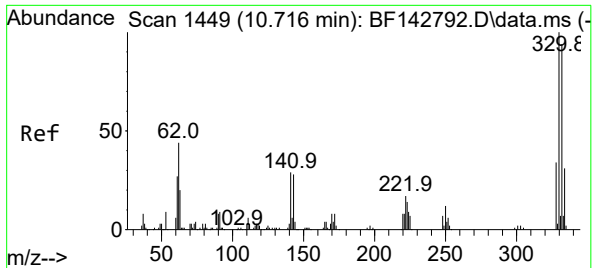
Ion Ratio Lower Upper

164 100

162 100.7 81.8 122.8

160 43.8 36.0 54.0

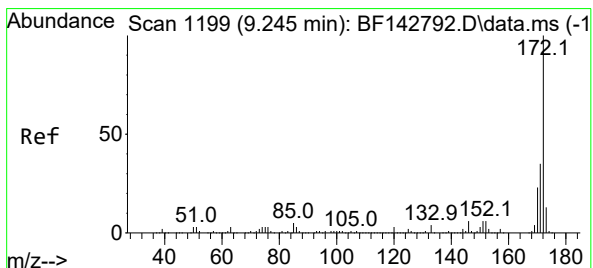
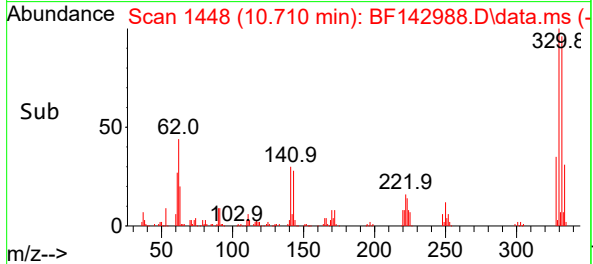
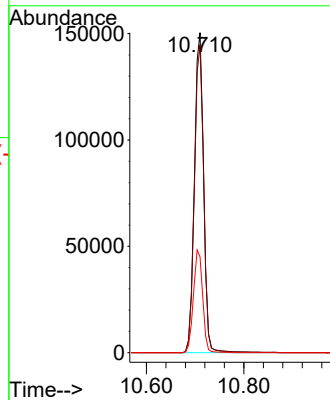
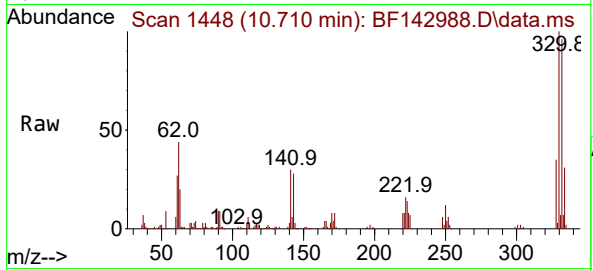




#42
2,4,6-Tribromophenol
Concen: 123.621 ng
RT: 10.710 min Scan# 1449
Delta R.T. -0.006 min
Lab File: BF142988.D
Acq: 03 Jul 2025 10:26

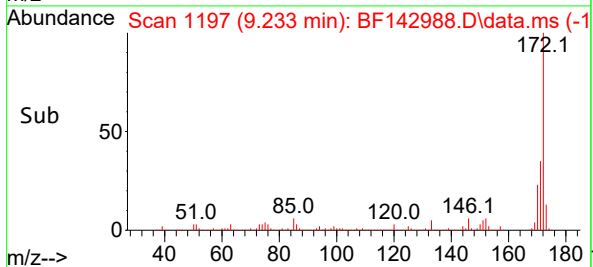
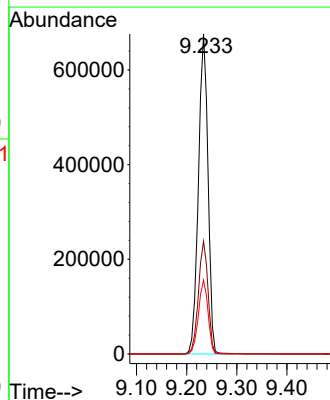
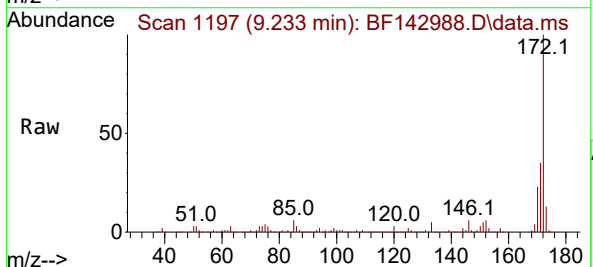
Instrument :
BNA_F
ClientSampleId :
PB168694BL

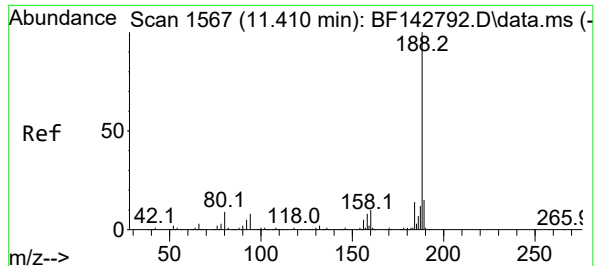
Tgt Ion:330 Resp: 198022
Ion Ratio Lower Upper
330 100
332 96.4 75.0 112.6
141 32.1 25.3 37.9



#45
2-Fluorobiphenyl
Concen: 75.541 ng
RT: 9.233 min Scan# 1197
Delta R.T. -0.012 min
Lab File: BF142988.D
Acq: 03 Jul 2025 10:26

Tgt Ion:172 Resp: 895101
Ion Ratio Lower Upper
172 100
171 35.2 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: BF142988.D

Acq: 03 Jul 2025 10:26

Instrument :

BNA_F

ClientSampleId :

PB168694BL

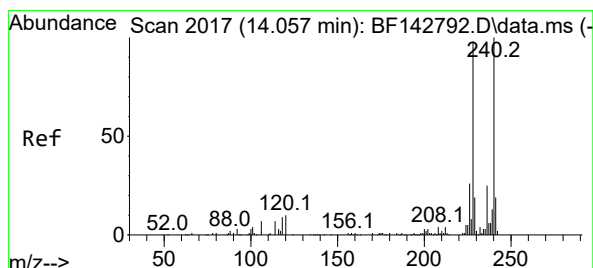
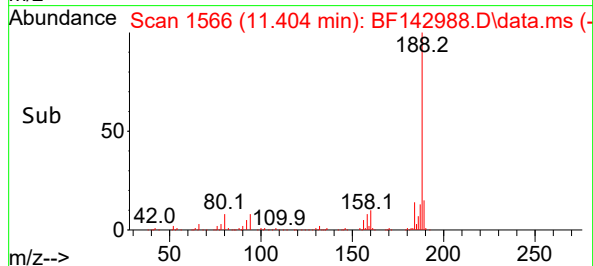
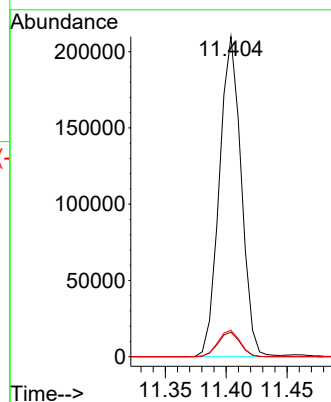
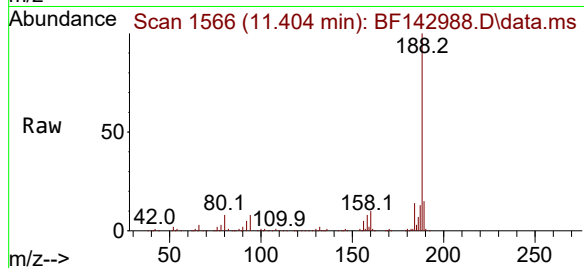
Tgt Ion:188 Resp: 262266

Ion Ratio Lower Upper

188 100

94 7.7 6.7 10.1

80 8.2 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: BF142988.D

Acq: 03 Jul 2025 10:26

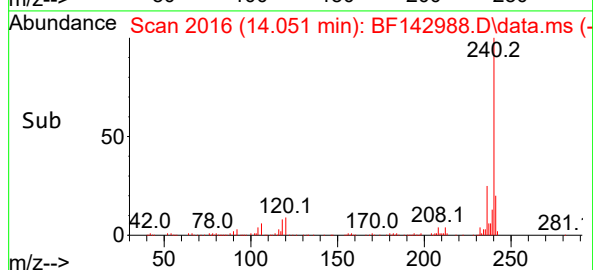
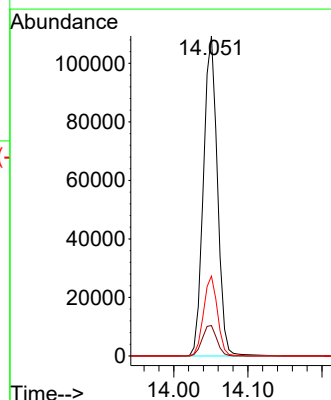
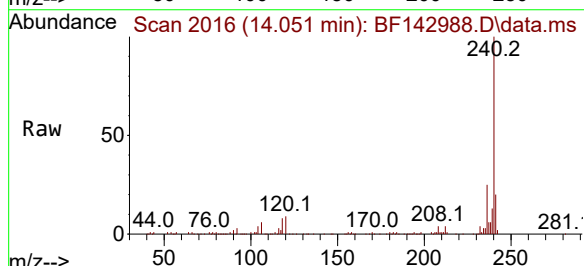
Tgt Ion:240 Resp: 143100

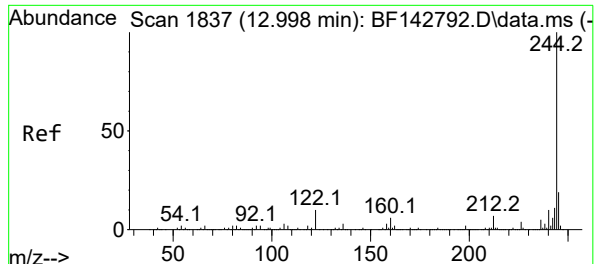
Ion Ratio Lower Upper

240 100

120 9.5 8.2 12.2

236 24.9 19.8 29.8





#79

Terphenyl-d14

Concen: 76.840 ng

RT: 12.992 min Scan# 1836

Delta R.T. -0.006 min

Lab File: BF142988.D

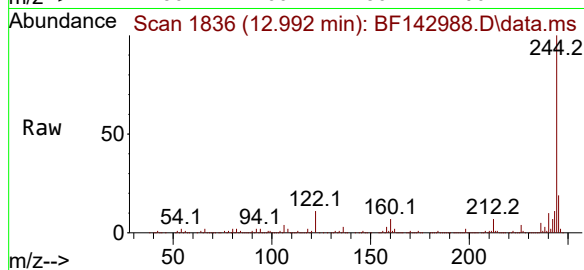
Acq: 03 Jul 2025 10:26

Instrument :

BNA_F

ClientSampleId :

PB168694BL



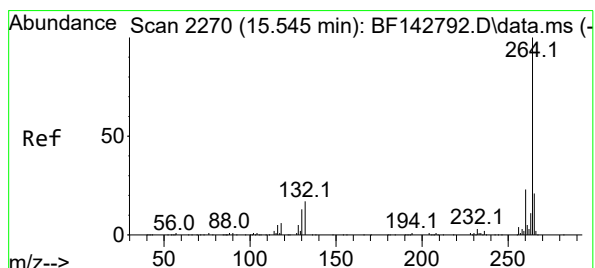
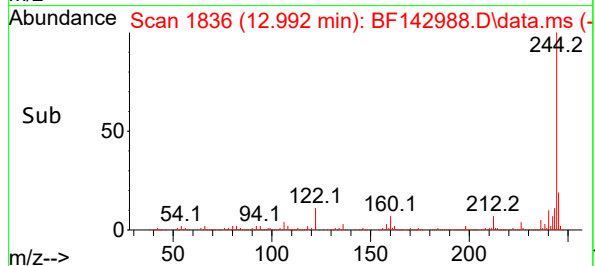
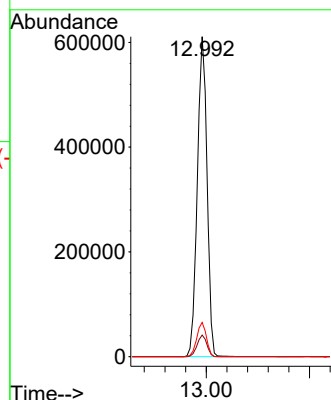
Tgt Ion:244 Resp: 795818

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: BF142988.D

Acq: 03 Jul 2025 10:26

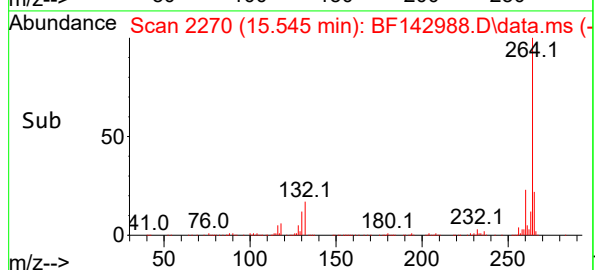
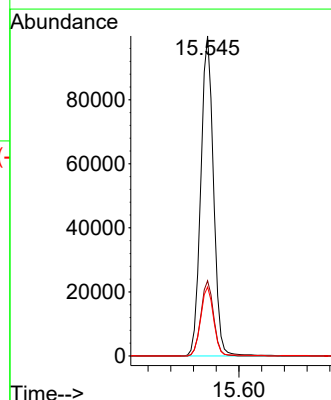
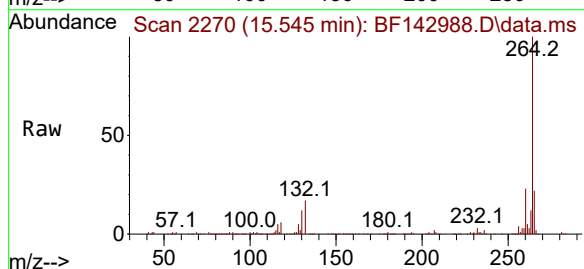
Tgt Ion:264 Resp: 155357

Ion Ratio Lower Upper

264 100

260 23.5 18.1 27.1

265 21.5 16.6 25.0



Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF070325\
 Data File : BF142988.D
 Acq On : 03 Jul 2025 10:26
 Operator : RC/JU
 Sample : PB168694BL
 Misc :
 ALS Vial : 3 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 PB168694BL

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: BF142988.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	489	496	515	rBV	105791	187062	7.47%	1.303%
2	5.504	557	563	568	rBV	1375289	1849669	73.88%	12.883%
3	6.510	727	734	739	rBV	1217017	1794451	71.68%	12.498%
4	6.869	790	795	801	rBV	324780	418344	16.71%	2.914%
5	7.434	885	891	897	rBV	840414	1203583	48.07%	8.383%
6	8.157	1008	1014	1036	rBV	423629	551879	22.04%	3.844%
7	9.233	1190	1197	1202	rBV	1910289	2503570	100.00%	17.437%
8	9.916	1307	1313	1318	rBV	492234	629275	25.14%	4.383%
9	10.704	1442	1447	1470	rBV	1075139	1454946	58.11%	10.133%
10	11.404	1561	1566	1573	rBV	497076	616275	24.62%	4.292%
11	12.992	1830	1836	1841	rBV	1621146	2094058	83.64%	14.585%
12	13.980	1991	2004	2011	rBV	6148	31360	1.25%	0.218%
13	14.051	2011	2016	2023	rVB	284921	371366	14.83%	2.586%
14	15.545	2264	2270	2277	rBV	265777	411179	16.42%	2.864%
15	17.221	2544	2555	2571	rVB2	58583	240872	9.62%	1.678%

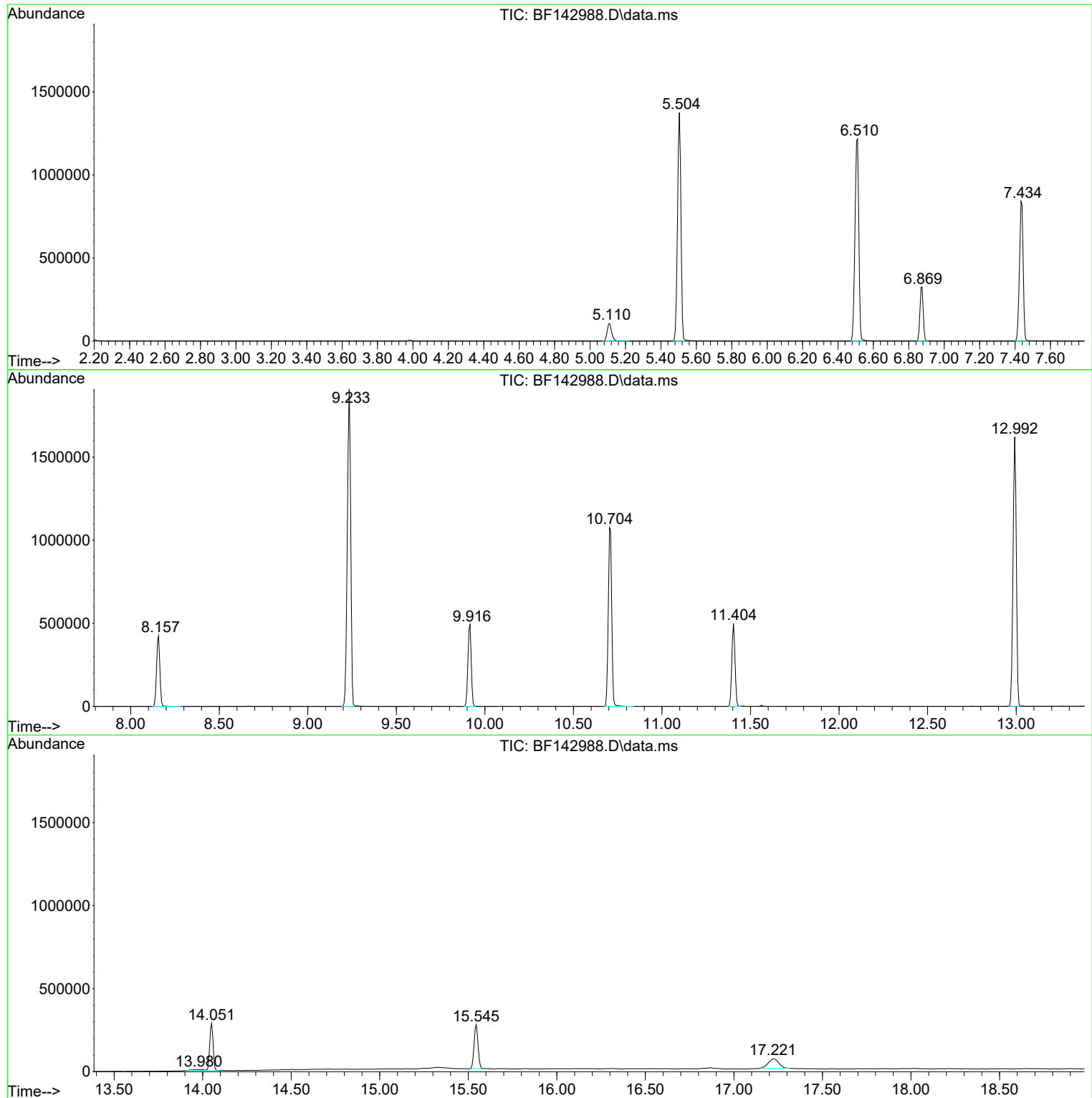
Sum of corrected areas: 14357889

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF070325\
Data File : BF142988.D
Acq On : 03 Jul 2025 10:26
Operator : RC/JU
Sample : PB168694BL
Misc :
ALS Vial : 3 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
PB168694BL

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\BF070325\
Data File : BF142988.D
Acq On : 03 Jul 2025 10:26
Operator : RC/JU
Sample : PB168694BL
Misc :
ALS Vial : 3 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
PB168694BL

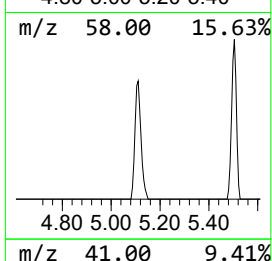
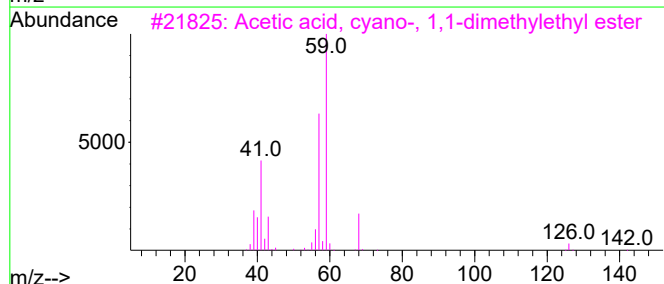
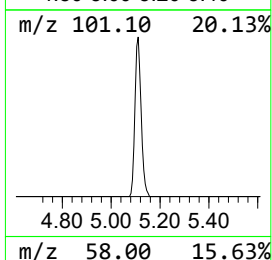
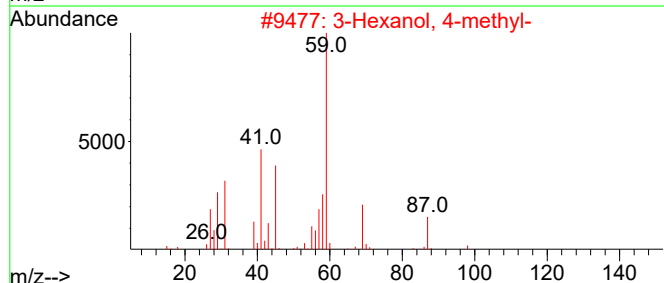
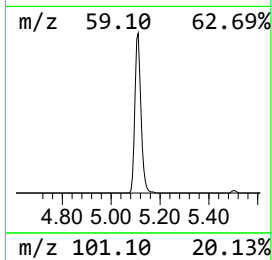
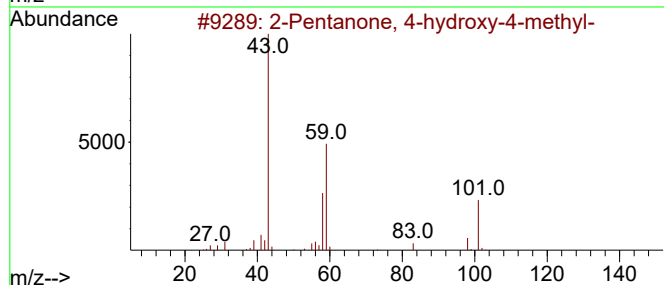
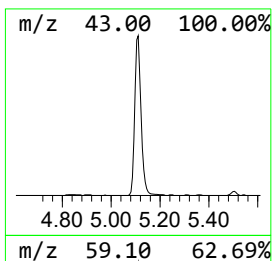
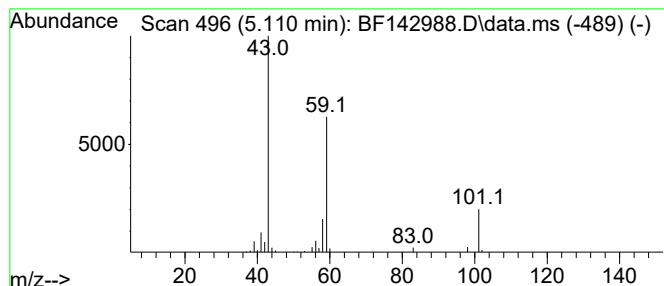
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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.
5.110	8.94 ng	187062	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	23		
4	2,3-Butanedione, monooxime	101	C4H7NO2	000057-71-6	12		
5	Acetone	58	C3H6O	000067-64-1	10		



Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF070325\
Data File : BF142988.D
Acq On : 03 Jul 2025 10:26
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Sample : PB168694BL
Misc :
ALS Vial : 3 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
PB168694BL

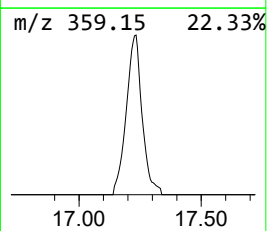
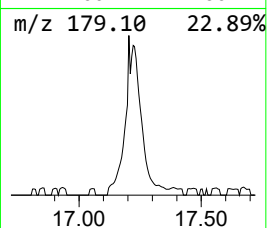
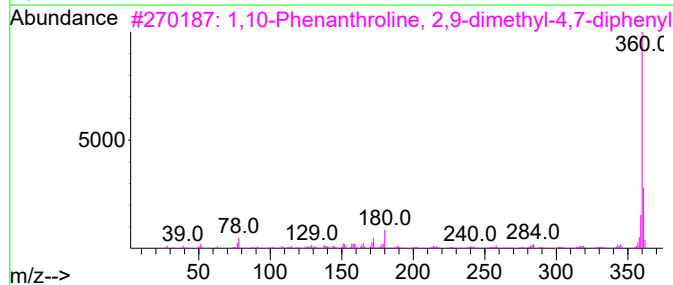
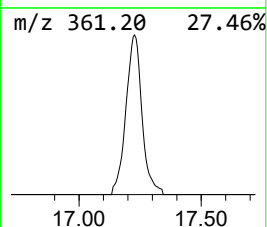
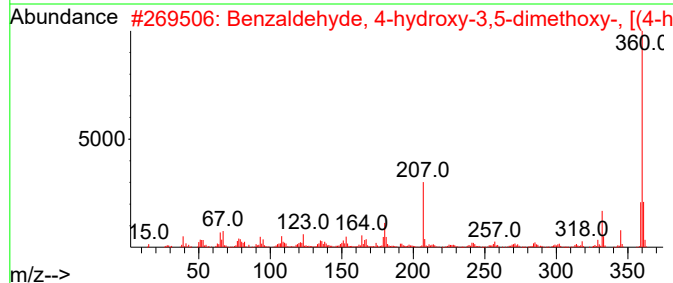
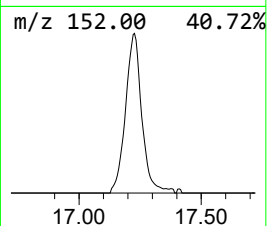
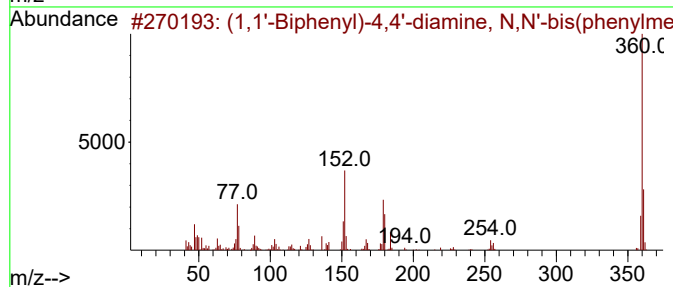
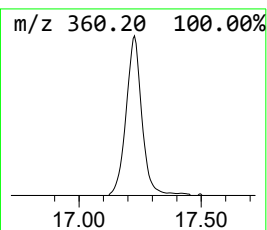
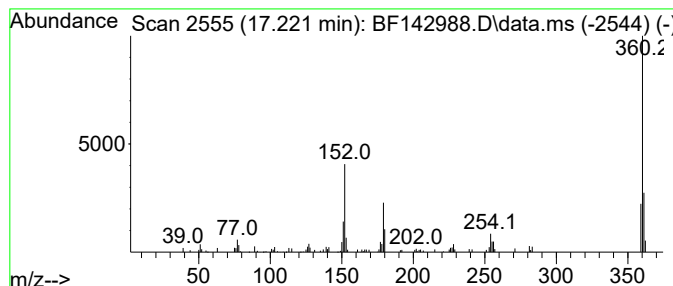
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF061925.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 2 (1,1'-Biphenyl)-4,4'-diamin... Concentration Rank 1

R.T.	EstConc	Area	Relative to ISTD	R.T.
17.221	11.72 ng	240872	Perylene-d12	15.545

Hit#	of	5	Tentative ID	MW	MolForm	CAS#	Qual
1			(1,1'-Biphenyl)-4,4'-diamine, N,...	360	C26H20N2	006311-48-4	94
2			Benzaldehyde, 4-hydroxy-3,5-dime...	360	C18H20N2O6	014414-32-5	49
3			1,10-Phenanthroline, 2,9-dimethy...	360	C26H20N2	004733-39-5	49
4			Androst-4-ene-3,17-dione, 12-hyd...	360	C21H32N2O3	069688-31-9	47
5			N,N'-di-2-Naphthyl-p-phenylenedi...	360	C26H20N2	000093-46-9	46



Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF070325\
Data File : BF142988.D
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ALS Vial : 3 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
PB168694BL

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	8.9	ng	187062	1	6.875	418344	20.0
(1,1'-Biphenyl)...	17.221	11.7	ng	240872	6	15.545	411179	20.0

Report of Analysis

Client:	CDM Smith	Date Collected:	
Project:	South River WM Replacement	Date Received:	
Client Sample ID:	PB168694BS	SDG No.:	Q2484
Lab Sample ID:	PB168694BS	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
BF142989.D	1	07/02/25 08:55	07/03/25 10:55	PB168694

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units(Dry Weight)
TARGETS						
100-52-7	Benzaldehyde	920		160	330	ug/Kg
108-95-2	Phenol	1400		22.1	170	ug/Kg
111-44-4	bis(2-Chloroethyl)ether	1400		24.3	170	ug/Kg
95-57-8	2-Chlorophenol	1400		24.4	170	ug/Kg
95-48-7	2-Methylphenol	1400		29.9	170	ug/Kg
108-60-1	2,2-oxybis(1-Chloropropane)	1400		37.5	170	ug/Kg
98-86-2	Acetophenone	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	1400		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	1500		28.3	170	ug/Kg
91-20-3	Naphthalene	1500		22.7	170	ug/Kg
106-47-8	4-Chloroaniline	980		35.4	170	ug/Kg
87-68-3	Hexachlorobutadiene	1500		25.3	170	ug/Kg
105-60-2	Caprolactam	1500		52.0	330	ug/Kg
59-50-7	4-Chloro-3-methylphenol	1400		28.7	170	ug/Kg
91-57-6	2-Methylnaphthalene	1500		25.6	170	ug/Kg
77-47-4	Hexachlorocyclopentadiene	2900	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:	CDM Smith	Date Collected:	
Project:	South River WM Replacement	Date Received:	
Client Sample ID:	PB168694BS	SDG No.:	Q2484
Lab Sample ID:	PB168694BS	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
BF142989.D	1	07/02/25 08:55	07/03/25 10:55	PB168694

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	1000		46.0	170	ug/Kg
83-32-9	Acenaphthene	1600		21.3	170	ug/Kg
51-28-5	2,4-Dinitrophenol	2800	E	230	330	ug/Kg
100-02-7	4-Nitrophenol	2600		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	1500		25.3	170	ug/Kg
100-01-6	4-Nitroaniline	1400		64.1	170	ug/Kg
534-52-1	4,6-Dinitro-2-methylphenol	1500		100	330	ug/Kg
86-30-6	n-Nitrosodiphenylamine	1600		32.9	170	ug/Kg
101-55-3	4-Bromophenyl-phenylether	1600		27.8	170	ug/Kg
118-74-1	Hexachlorobenzene	1600		25.3	170	ug/Kg
1912-24-9	Atrazine	1800		34.0	170	ug/Kg
87-86-5	Pentachlorophenol	2900	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	1500		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	1000		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	1700		86.7	330	ug/Kg
205-99-2	Benzo(b)fluoranthene	1700		19.0	170	ug/Kg

Report of Analysis

Client:	CDM Smith	Date Collected:	
Project:	South River WM Replacement	Date Received:	
Client Sample ID:	PB168694BS	SDG No.:	Q2484
Lab Sample ID:	PB168694BS	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
BF142989.D	1	07/02/25 08:55	07/03/25 10:55	PB168694

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units(Dry Weight)
207-08-9	Benzo(k)fluoranthene	1400		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	1500		25.6	170	ug/Kg
123-91-1	1,4-Dioxane	1100		45.2	170	ug/Kg
58-90-2	2,3,4,6-Tetrachlorophenol	1400		27.4	170	ug/Kg
SURROGATES						
367-12-4	2-Fluorophenol	119		18 - 112	80%	SPK: 150
13127-88-3	Phenol-d6	117		15 - 107	78%	SPK: 150
4165-60-0	Nitrobenzene-d5	76.6		18 - 107	77%	SPK: 100
321-60-8	2-Fluorobiphenyl	79.8		20 - 109	80%	SPK: 100
118-79-6	2,4,6-Tribromophenol	122		10 - 116	81%	SPK: 150
1718-51-0	Terphenyl-d14	67.7		10 - 105	68%	SPK: 100
INTERNAL STANDARDS						
3855-82-1	1,4-Dichlorobenzene-d4	59000	6.875			
1146-65-2	Naphthalene-d8	220000	8.157			
15067-26-2	Acenaphthene-d10	111000	9.916			
1517-22-2	Phenanthrene-d10	169000	11.41			
1719-03-5	Chrysene-d12	115000	14.057			
1520-96-3	Perylene-d12	136000	15.551			

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\BF070325\
 Data File : BF142989.D
 Acq On : 03 Jul 2025 10:55
 Operator : RC/JU
 Sample : PB168694BS
 Misc :
 ALS Vial : 4 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 PB168694BS

Quant Time: Jul 03 11:18:21 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	6.875	152	59015	20.000	ng	0.00
21) Naphthalene-d8	8.157	136	219896	20.000	ng	-0.01
39) Acenaphthene-d10	9.916	164	110519	20.000	ng	0.00
64) Phenanthrene-d10	11.410	188	169244	20.000	ng	0.00
76) Chrysene-d12	14.057	240	114618	20.000	ng	0.00
86) Perylene-d12	15.551	264	135774	20.000	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.504	112	423139	119.376	ng	0.01
7) Phenol-d6	6.510	99	490136	117.203	ng	0.00
23) Nitrobenzene-d5	7.439	82	307041	76.588	ng	0.00
42) 2,4,6-Tribromophenol	10.710	330	138939	122.164	ng	0.00
45) 2-Fluorobiphenyl	9.233	172	671177	79.779	ng	-0.01
79) Terphenyl-d14	12.992	244	561947	67.742	ng	0.00
Target Compounds						Qvalue
2) 1,4-Dioxane	2.704	88	47715	33.655	ng	99
3) Pyridine	3.469	79	132101	37.167	ng	98
4) n-Nitrosodimethylamine	3.422	42	73588	40.038	ng	98
6) Aniline	6.534	93	185465	33.330	ng	# 69
8) 2-Chlorophenol	6.663	128	165122	43.185	ng	97
9) Benzaldehyde	6.422	77	68565	27.635	ng	98
10) Phenol	6.522	94	193121	41.545	ng	89
11) bis(2-Chloroethyl)ether	6.610	93	139902	42.109	ng	97
12) 1,3-Dichlorobenzene	6.816	146	182422	42.659	ng	100
13) 1,4-Dichlorobenzene	6.892	146	185372	42.966	ng	100
14) 1,2-Dichlorobenzene	7.045	146	178992	43.740	ng	100
15) Benzyl Alcohol	7.016	79	130136	43.045	ng	98
16) 2,2'-oxybis(1-Chloropr...	7.145	45	217628	40.771	ng	86
17) 2-Methylphenol	7.128	107	124493	42.964	ng	99
18) Hexachloroethane	7.386	117	66021	43.750	ng	95
19) n-Nitroso-di-n-propyla...	7.286	70	105313	43.299	ng	97
20) 3+4-Methylphenols	7.281	107	155922	43.158	ng	90
22) Acetophenone	7.281	105	218530	45.066	ng	99
24) Nitrobenzene	7.457	77	158249	43.613	ng	97
25) Isophorone	7.698	82	279888	43.521	ng	99
26) 2-Nitrophenol	7.775	139	90603	45.838	ng	100
27) 2,4-Dimethylphenol	7.810	122	147630	43.119	ng	98
28) bis(2-Chloroethoxy)met...	7.904	93	180163	44.065	ng	99
29) 2,4-Dichlorophenol	8.022	162	136936	44.110	ng	99
30) 1,2,4-Trichlorobenzene	8.098	180	152696	44.731	ng	99
31) Naphthalene	8.181	128	474067	44.044	ng	100
32) Benzoic acid	7.928	122	64375	36.890	ng	96
33) 4-Chloroaniline	8.228	127	129193	29.519	ng	99
34) Hexachlorobutadiene	8.292	225	95541	45.755	ng	99
35) Caprolactam	8.598	113	36635m	44.721	ng	
36) 4-Chloro-3-methylphenol	8.716	107	132566	42.967	ng	100
37) 2-Methylnaphthalene	8.875	142	295211	44.240	ng	100
38) 1-Methylnaphthalene	8.975	142	303523	43.939	ng	100
40) 1,2,4,5-Tetrachloroben...	9.039	216	151677	46.512	ng	99
41) Hexachlorocyclopentadiene	9.022	237	159259	86.059	ng	100
43) 2,4,6-Trichlorophenol	9.151	196	94222	44.340	ng	99

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF070325\
 Data File : BF142989.D
 Acq On : 03 Jul 2025 10:55
 Operator : RC/JU
 Sample : PB168694BS
 Misc :
 ALS Vial : 4 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 PB168694BS

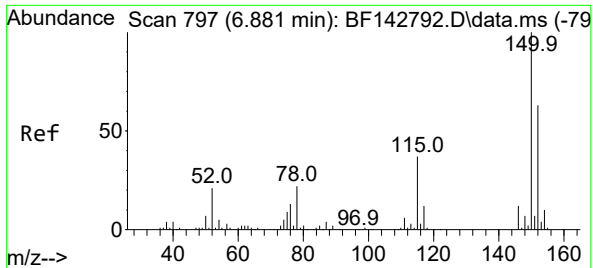
Quant Time: Jul 03 11:18:21 2025
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 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Tue Jun 24 05:28:21 2025
 Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
44) 2,4,5-Trichlorophenol	9.198	196	98787	44.162	ng	98
46) 1,1'-Biphenyl	9.339	154	397819	45.567	ng	100
47) 2-Chloronaphthalene	9.363	162	293722	44.833	ng	99
48) 2-Nitroaniline	9.463	65	79842	43.469	ng	95
49) Acenaphthylene	9.780	152	481682	44.661	ng	99
50) Dimethylphthalate	9.639	163	322225	45.042	ng	100
51) 2,6-Dinitrotoluene	9.704	165	70798	45.063	ng	95
52) Acenaphthene	9.951	154	320524m	48.709	ng	
53) 3-Nitroaniline	9.869	138	52239	30.200	ng	99
54) 2,4-Dinitrophenol	9.986	184	67238	85.472	ng	97
55) Dibenzofuran	10.122	168	419194	44.425	ng	100
56) 4-Nitrophenol	10.039	139	92964	78.504	ng	98
57) 2,4-Dinitrotoluene	10.110	165	93317	44.717	ng	96
58) Fluorene	10.469	166	326251	44.271	ng	99
59) 2,3,4,6-Tetrachlorophenol	10.245	232	78199	43.370	ng	96
60) Diethylphthalate	10.333	149	314250	44.801	ng	100
61) 4-Chlorophenyl-phenyle...	10.457	204	155928	44.341	ng	99
62) 4-Nitroaniline	10.486	138	68167	43.089	ng	98
63) Azobenzene	10.616	77	269537	42.994	ng	99
65) 4,6-Dinitro-2-methylph...	10.522	198	46445	45.370	ng	98
66) n-Nitrosodiphenylamine	10.574	169	276837	47.197	ng	99
67) 4-Bromophenyl-phenylether	10.945	248	93186	48.379	ng	95
68) Hexachlorobenzene	11.016	284	101543	47.444	ng	99
69) Atrazine	11.104	200	79807	52.689	ng	99
70) Pentachlorophenol	11.216	266	91900	86.170	ng	100
71) Phenanthrene	11.433	178	419673	45.776	ng	100
72) Anthracene	11.486	178	434911	46.255	ng	100
73) Carbazole	11.639	167	373256	46.001	ng	99
74) Di-n-butylphthalate	11.963	149	438865	51.920	ng	100
75) Fluoranthene	12.621	202	399844	45.955	ng	100
77) Benzidine	12.745	184	157448	36.562	ng	99
78) Pyrene	12.851	202	401315	37.354	ng	99
80) Butylbenzylphthalate	13.463	149	165448	53.089	ng	98
81) Benzo(a)anthracene	14.045	228	355412	45.965	ng	100
82) 3,3'-Dichlorobenzidine	14.004	252	75988	30.298	ng	98
83) Chrysene	14.080	228	318351	46.140	ng	99
84) Bis(2-ethylhexyl)phtha...	14.021	149	245209	54.687	ng	99
85) Di-n-octyl phthalate	14.639	149	437495	51.745	ng	98
87) Indeno(1,2,3-cd)pyrene	17.074	276	430318	41.610	ng	98
88) Benzo(b)fluoranthene	15.109	252	401978	51.165	ng	100
89) Benzo(k)fluoranthene	15.139	252	319565	43.476	ng	100
90) Benzo(a)pyrene	15.486	252	354840	46.752	ng	99
91) Dibenzo(a,h)anthracene	17.086	278	352639	41.967	ng	98
92) Benzo(g,h,i)perylene	17.533	276	340697	40.661	ng	98

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

Instrument :
BNA_F
ClientSampleId :
PB168694BS

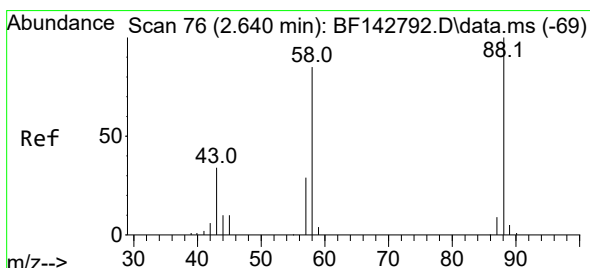
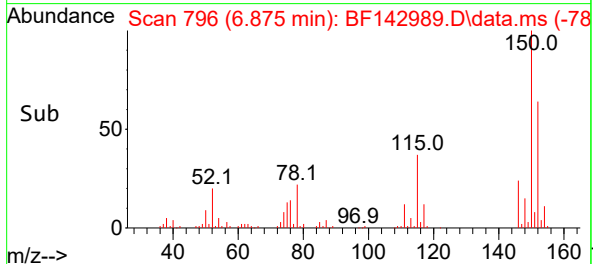
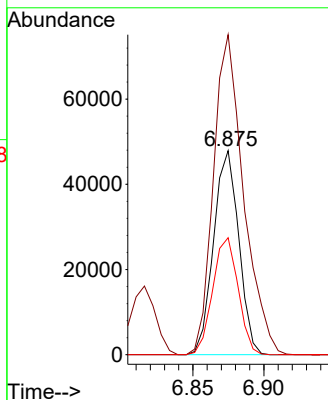
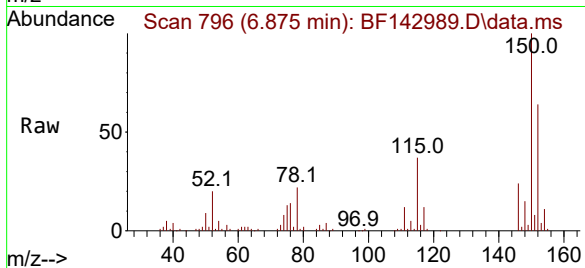
[illegible]



#1
 1,4-Dichlorobenzene-d4
 Concen: 20.000 ng
 RT: 6.875 min Scan# 79
 Delta R.T. -0.006 min
 Lab File: BF142989.D
 Acq: 03 Jul 2025 10:55

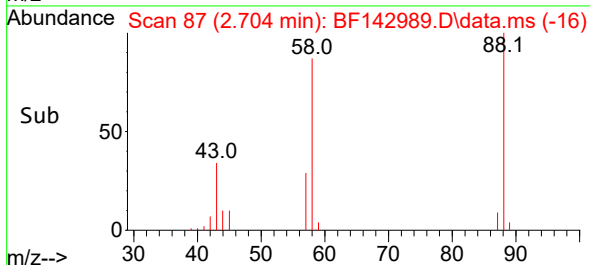
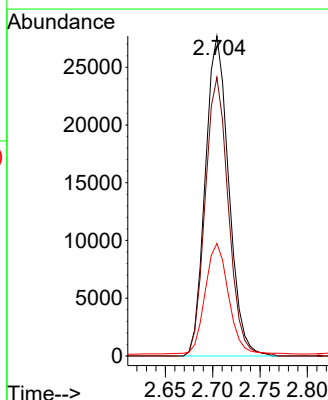
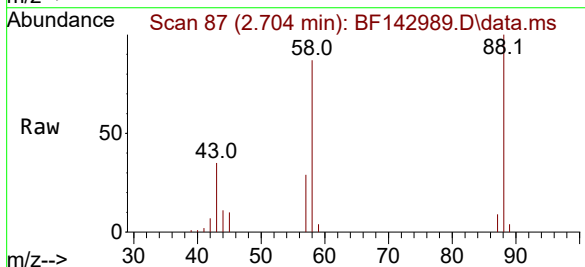
Instrument :
 BNA_F
 ClientSampleId :
 PB168694BS

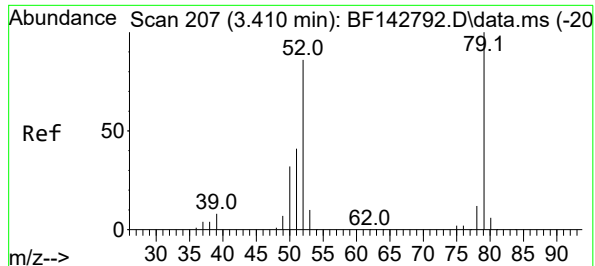
Tgt Ion:152 Resp: 59015
 Ion Ratio Lower Upper
 152 100
 150 156.8 127.2 190.8
 115 57.3 46.6 69.8



#2
 1,4-Dioxane
 Concen: 33.655 ng
 RT: 2.704 min Scan# 87
 Delta R.T. 0.065 min
 Lab File: BF142989.D
 Acq: 03 Jul 2025 10:55

Tgt Ion: 88 Resp: 47715
 Ion Ratio Lower Upper
 88 100
 58 86.2 69.1 103.7
 43 35.1 27.4 41.2

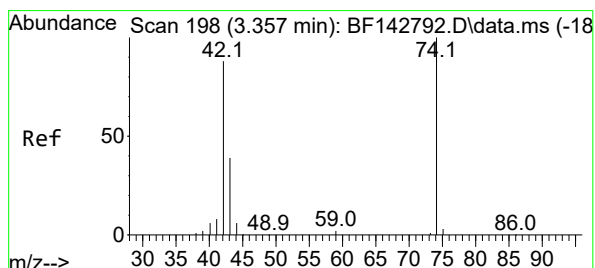
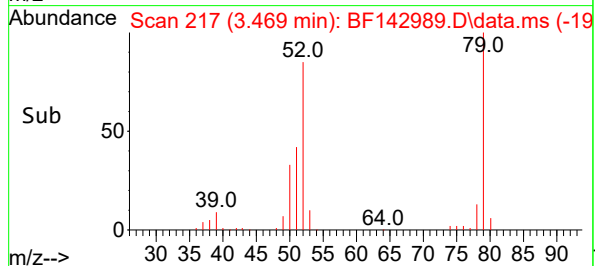
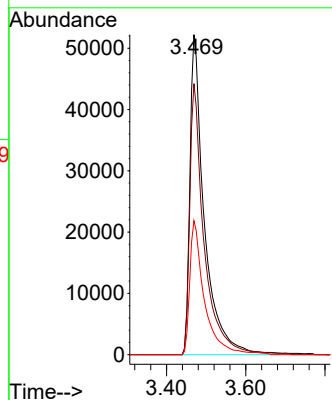
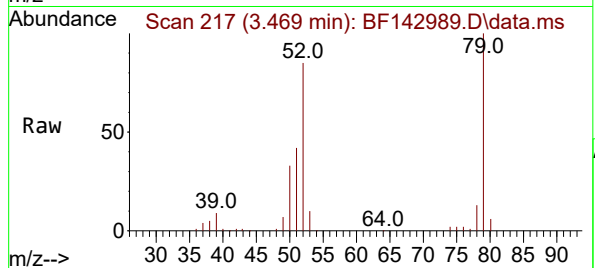




#3
Pyridine
Concen: 37.167 ng
RT: 3.469 min Scan# 217
Delta R.T. 0.059 min
Lab File: BF142989.D
Acq: 03 Jul 2025 10:55

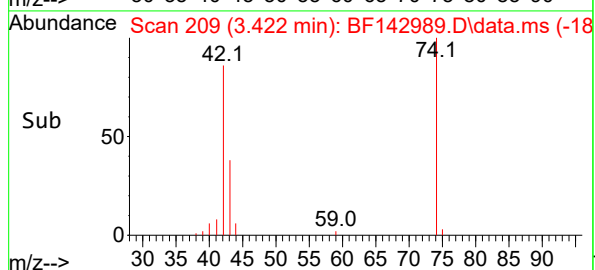
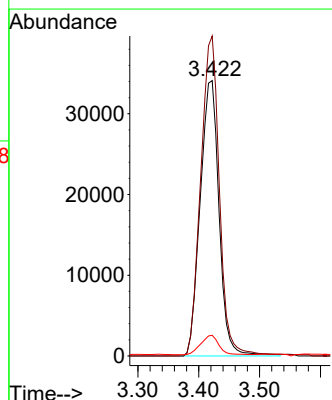
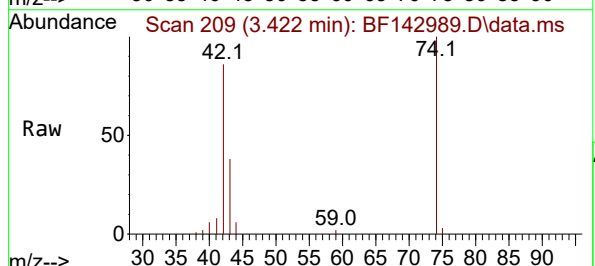
Instrument :
BNA_F
ClientSampleId :
PB168694BS

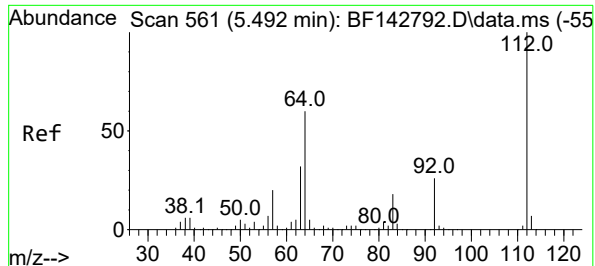
Tgt Ion: 79 Resp: 132101
Ion Ratio Lower Upper
79 100
52 84.7 69.2 103.8
51 41.8 33.2 49.8



#4
n-Nitrosodimethylamine
Concen: 40.038 ng
RT: 3.422 min Scan# 209
Delta R.T. 0.065 min
Lab File: BF142989.D
Acq: 03 Jul 2025 10:55

Tgt Ion: 42 Resp: 73588
Ion Ratio Lower Upper
42 100
74 116.2 90.9 136.3
44 7.5 5.8 8.6





#5

2-Fluorophenol

Concen: 119.376 ng

RT: 5.504 min Scan# 50

Delta R.T. 0.012 min

Lab File: BF142989.D

Acq: 03 Jul 2025 10:55

Instrument :

BNA_F

ClientSampleId :

PB168694BS

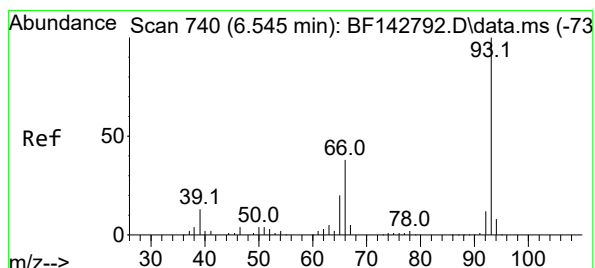
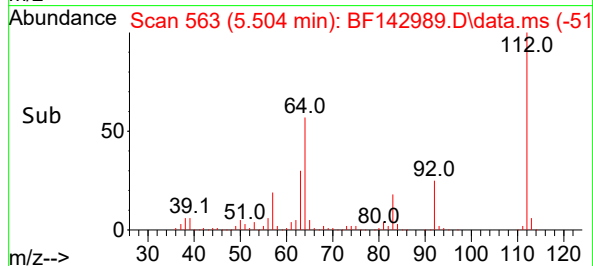
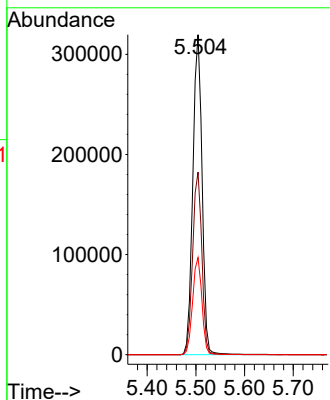
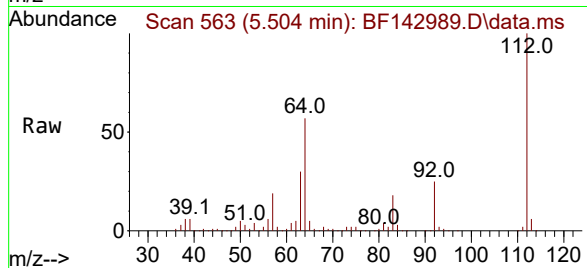
Tgt Ion:112 Resp: 423139

Ion Ratio Lower Upper

112 100

64 57.0 48.2 72.2

63 30.3 25.7 38.5



#6

Aniline

Concen: 33.330 ng

RT: 6.534 min Scan# 738

Delta R.T. -0.012 min

Lab File: BF142989.D

Acq: 03 Jul 2025 10:55

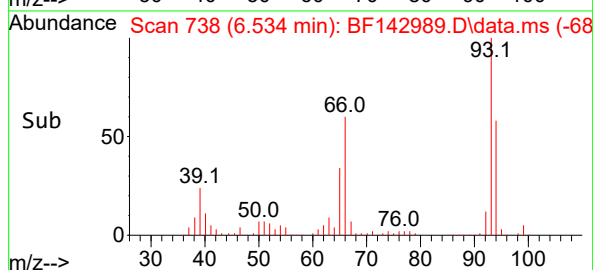
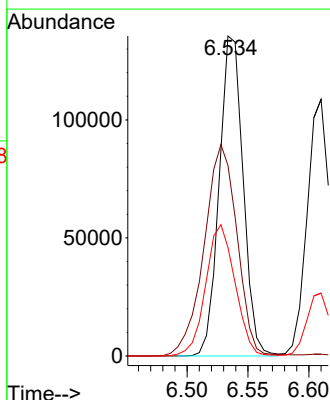
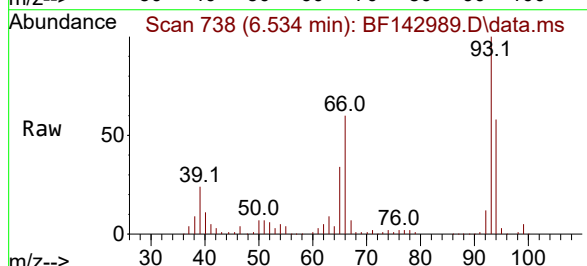
Tgt Ion: 93 Resp: 185465

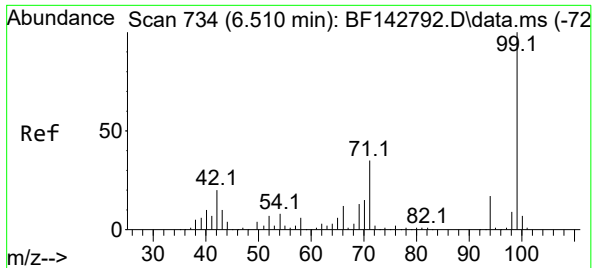
Ion Ratio Lower Upper

93 100

66 59.5 31.8 47.6#

65 33.9 16.2 24.2#

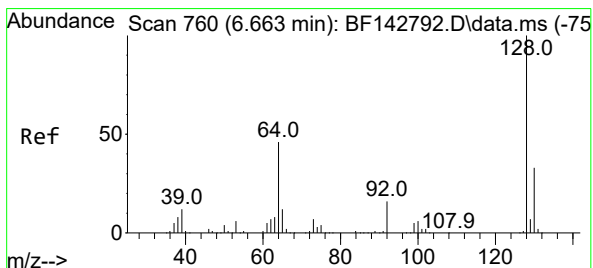
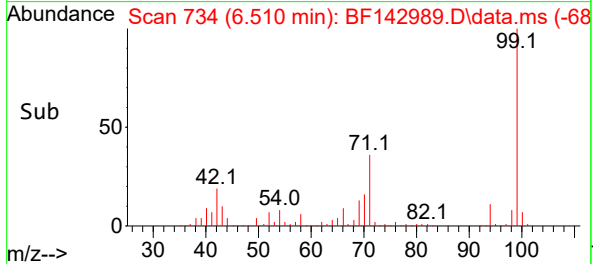
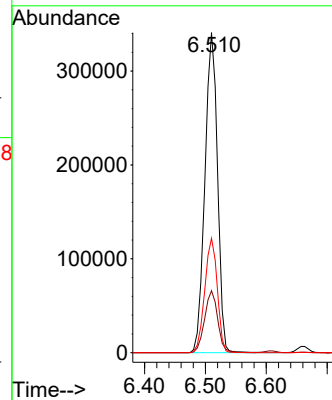
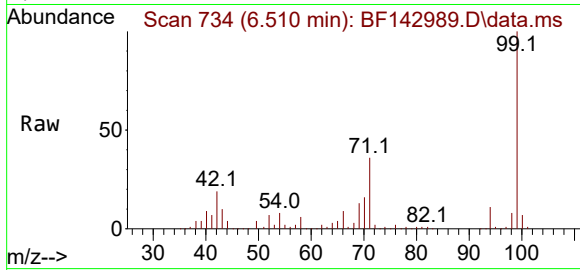




#7
Phenol-d6
Concen: 117.203 ng
RT: 6.510 min Scan# 710
Delta R.T. 0.000 min
Lab File: BF142989.D
Acq: 03 Jul 2025 10:55

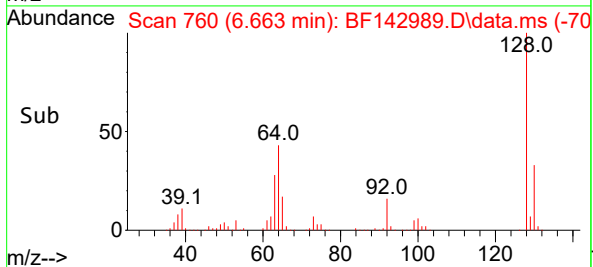
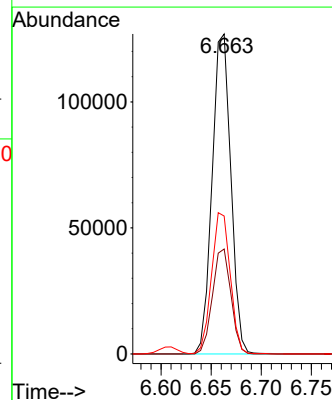
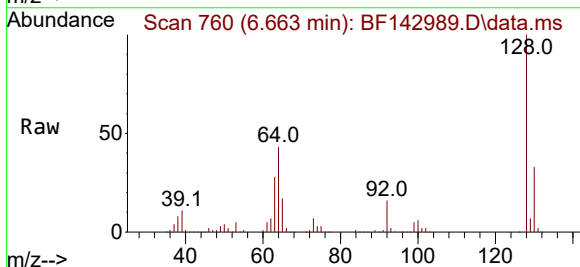
Instrument :
BNA_F
ClientSampleId :
PB168694BS

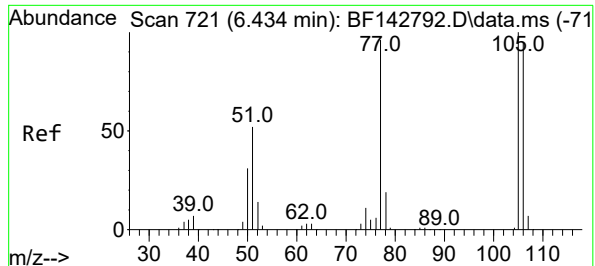
Tgt Ion: 99 Resp: 490136
Ion Ratio Lower Upper
99 100
42 19.3 15.9 23.9
71 35.8 27.8 41.8



#8
2-Chlorophenol
Concen: 43.185 ng
RT: 6.663 min Scan# 760
Delta R.T. 0.000 min
Lab File: BF142989.D
Acq: 03 Jul 2025 10:55

Tgt Ion: 128 Resp: 165122
Ion Ratio Lower Upper
128 100
130 32.8 12.7 52.7
64 43.1 26.5 66.5





#9

Benzaldehyde

Concen: 27.635 ng

RT: 6.422 min Scan# 719

Delta R.T. -0.012 min

Lab File: BF142989.D

Acq: 03 Jul 2025 10:55

Instrument :

BNA_F

ClientSampleId :

PB168694BS

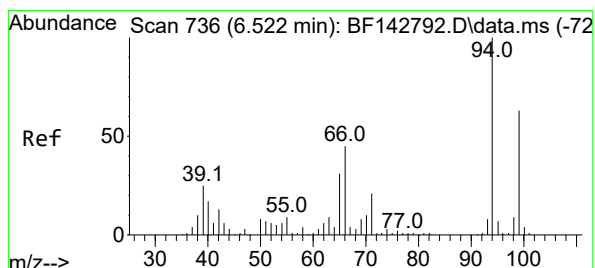
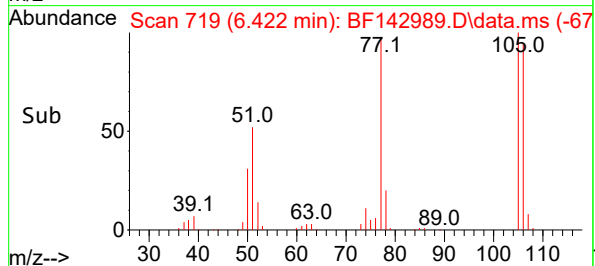
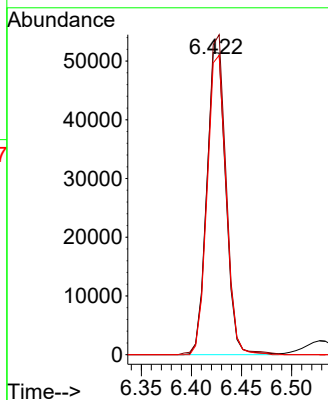
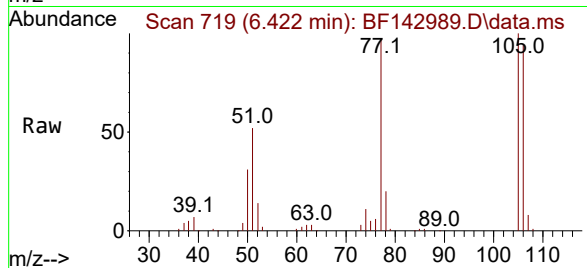
Tgt Ion: 77 Resp: 68565

Ion Ratio Lower Upper

77 100

105 102.7 83.8 123.8

106 96.7 78.7 118.7



#10

Phenol

Concen: 41.545 ng

RT: 6.522 min Scan# 736

Delta R.T. 0.000 min

Lab File: BF142989.D

Acq: 03 Jul 2025 10:55

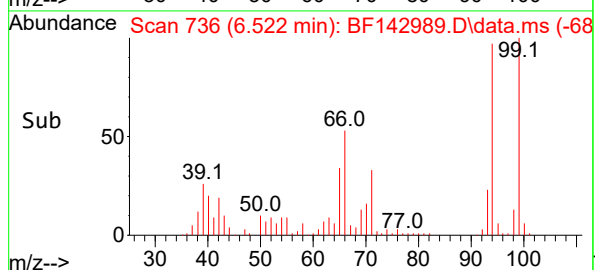
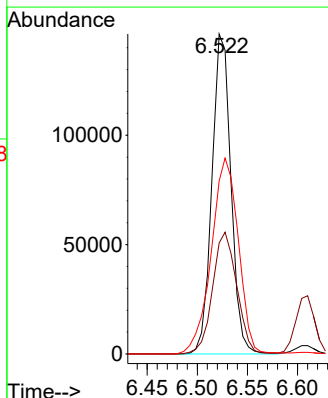
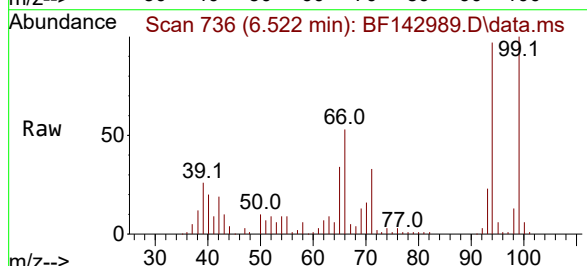
Tgt Ion: 94 Resp: 193121

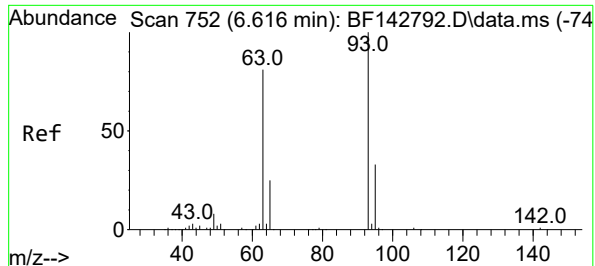
Ion Ratio Lower Upper

94 100

65 34.7 11.3 51.3

66 54.0 24.9 64.9





#11

bis(2-Chloroethyl)ether

Concen: 42.109 ng

RT: 6.610 min Scan# 751

Delta R.T. -0.006 min

Lab File: BF142989.D

Acq: 03 Jul 2025 10:55

Instrument :

BNA_F

ClientSampleId :

PB168694BS

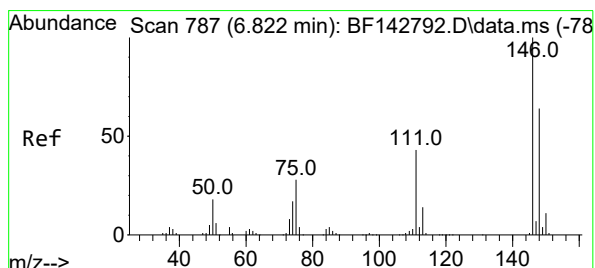
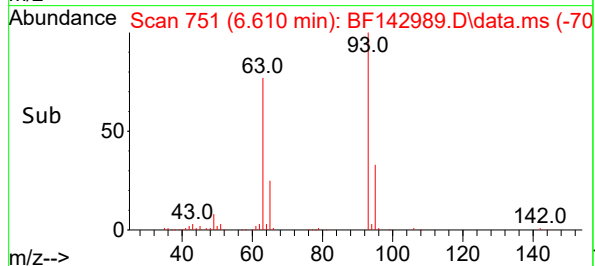
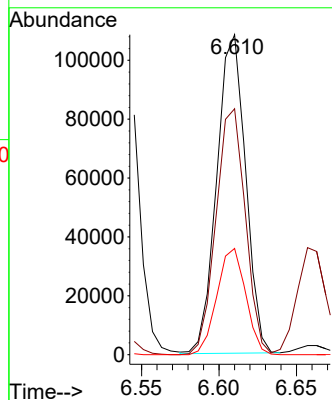
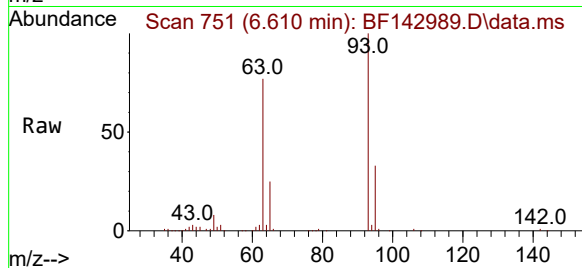
Tgt Ion: 93 Resp: 139902

Ion Ratio Lower Upper

93 100

63 76.8 60.3 100.3

95 33.2 12.5 52.5



#12

1,3-Dichlorobenzene

Concen: 42.659 ng

RT: 6.816 min Scan# 786

Delta R.T. -0.006 min

Lab File: BF142989.D

Acq: 03 Jul 2025 10:55

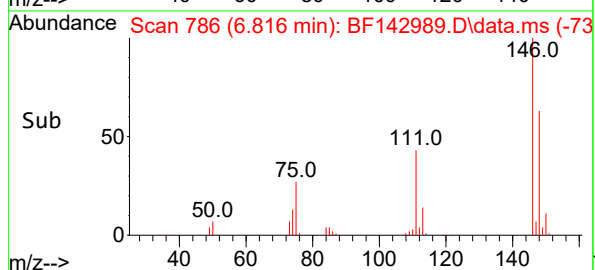
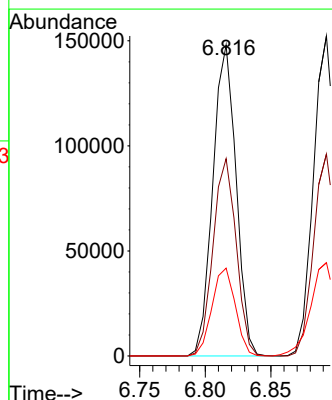
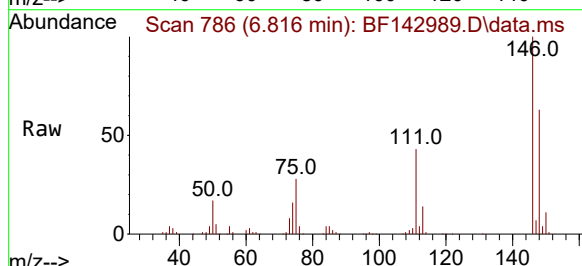
Tgt Ion:146 Resp: 182422

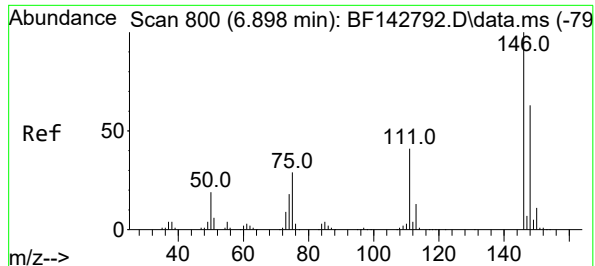
Ion Ratio Lower Upper

146 100

148 63.4 51.1 76.7

75 28.3 22.7 34.1





#13

1,4-Dichlorobenzene

Concen: 42.966 ng

RT: 6.892 min Scan# 79

Delta R.T. -0.006 min

Lab File: BF142989.D

Acq: 03 Jul 2025 10:55

Instrument :

BNA_F

ClientSampleId :

PB168694BS

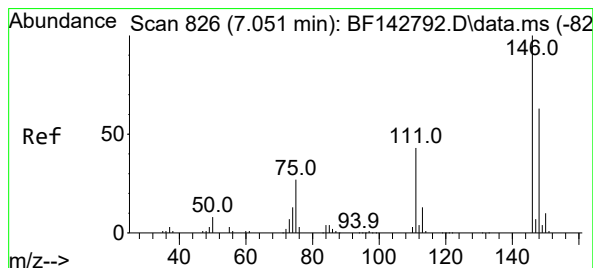
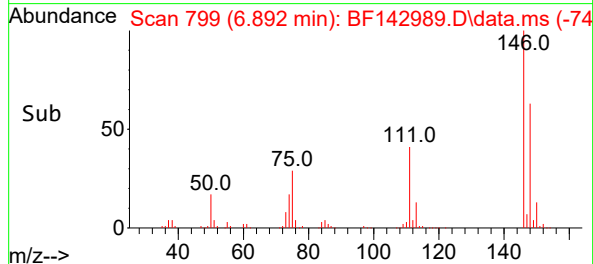
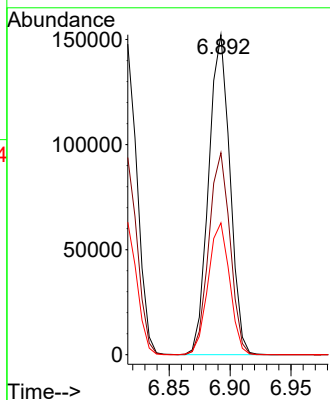
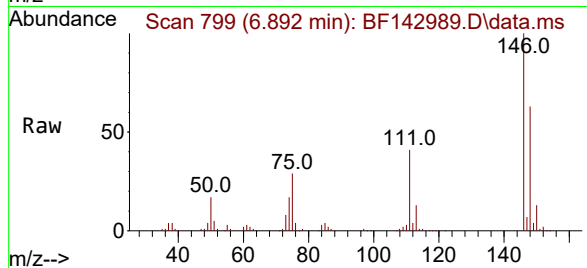
Tgt Ion:146 Resp: 185372

Ion Ratio Lower Upper

146 100

148 63.1 50.2 75.2

111 41.2 33.2 49.8



#14

1,2-Dichlorobenzene

Concen: 43.740 ng

RT: 7.045 min Scan# 825

Delta R.T. -0.006 min

Lab File: BF142989.D

Acq: 03 Jul 2025 10:55

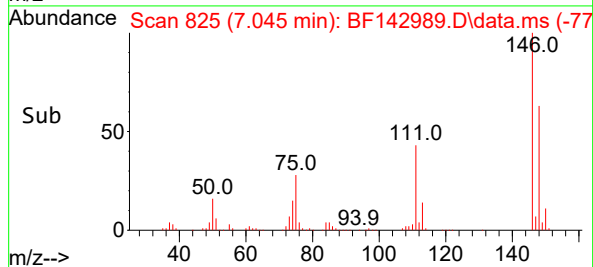
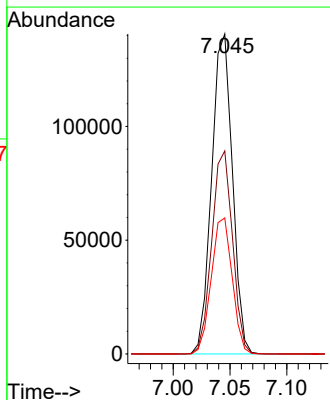
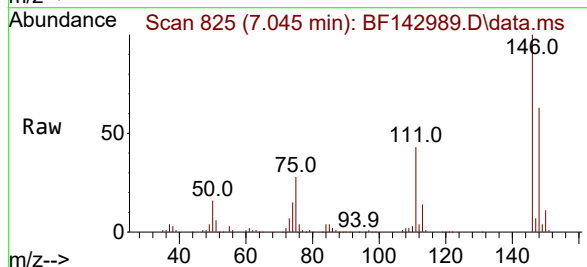
Tgt Ion:146 Resp: 178992

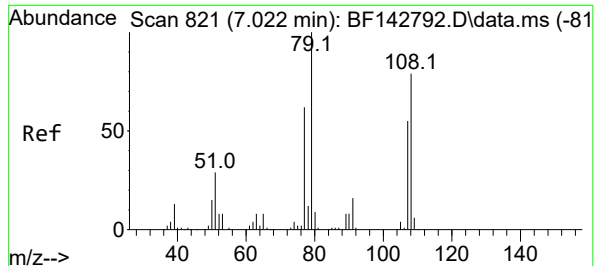
Ion Ratio Lower Upper

146 100

148 63.4 50.4 75.6

111 42.5 34.1 51.1





#15

Benzyl Alcohol

Concen: 43.045 ng

RT: 7.016 min Scan# 81

Delta R.T. -0.006 min

Lab File: BF142989.D

Acq: 03 Jul 2025 10:55

Instrument :

BNA_F

ClientSampleId :

PB168694BS

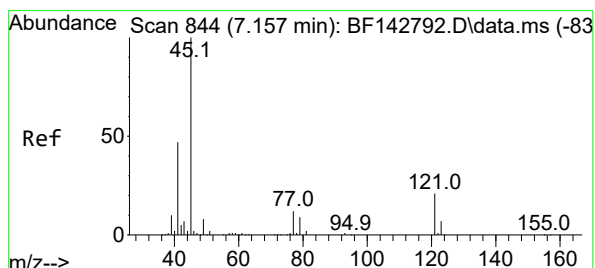
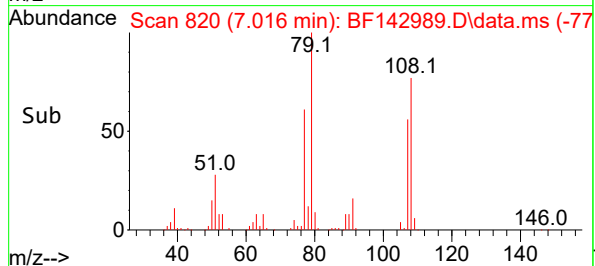
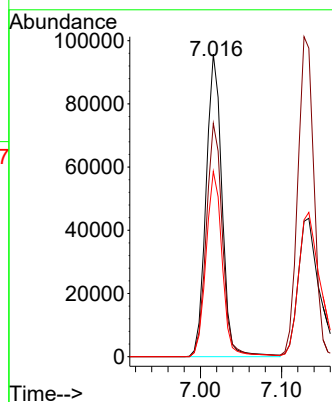
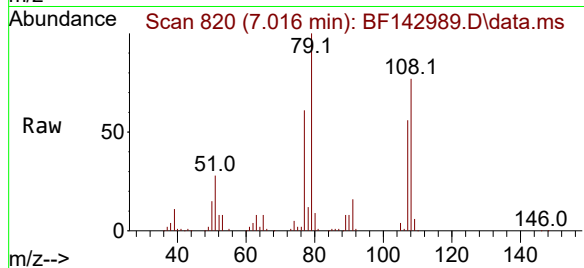
Tgt Ion: 79 Resp: 130136

Ion Ratio Lower Upper

79 100

108 77.1 63.4 95.0

77 61.2 49.5 74.3



#16

2,2'-oxybis(1-Chloropropane)

Concen: 40.771 ng

RT: 7.145 min Scan# 842

Delta R.T. -0.012 min

Lab File: BF142989.D

Acq: 03 Jul 2025 10:55

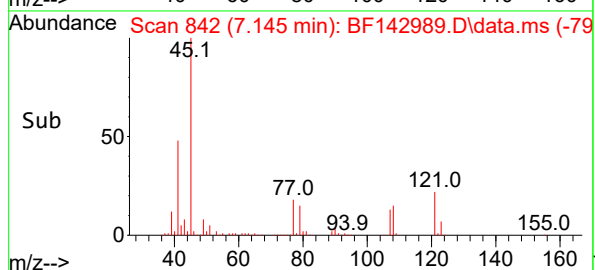
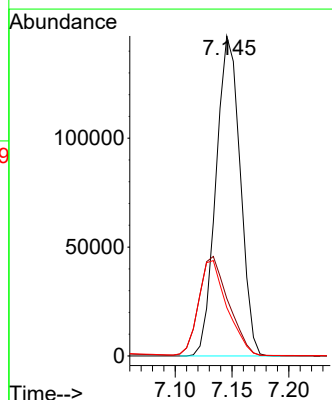
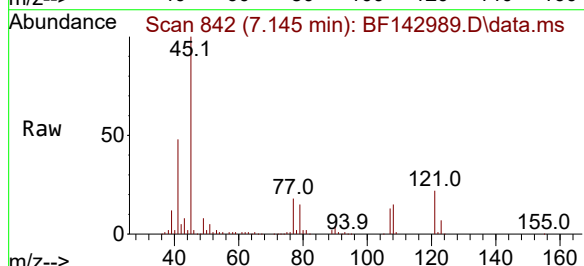
Tgt Ion: 45 Resp: 217628

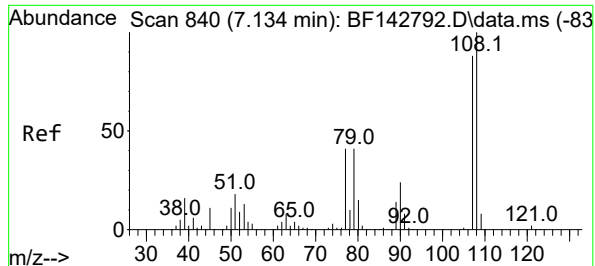
Ion Ratio Lower Upper

45 100

77 18.0 0.0 32.8

79 15.2 0.0 29.8

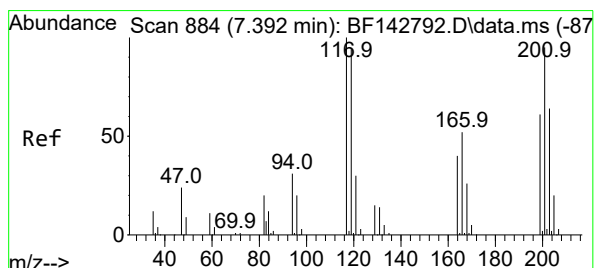
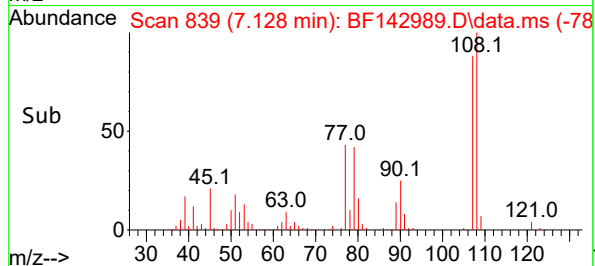
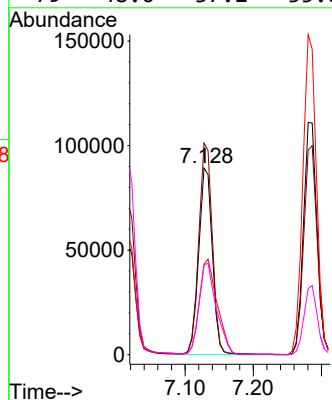
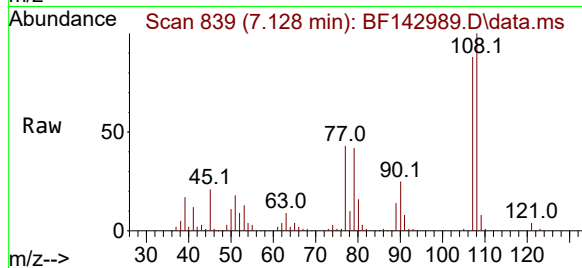




#17
2-Methylphenol
Concen: 42.964 ng
RT: 7.128 min Scan# 811
Delta R.T. -0.006 min
Lab File: BF142989.D
Acq: 03 Jul 2025 10:55

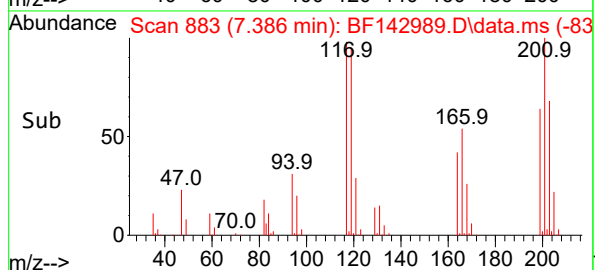
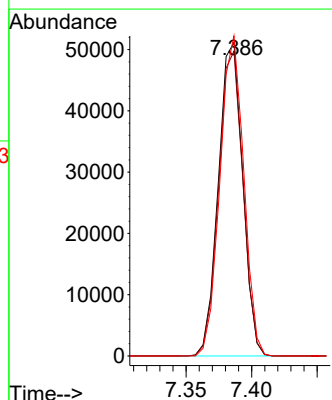
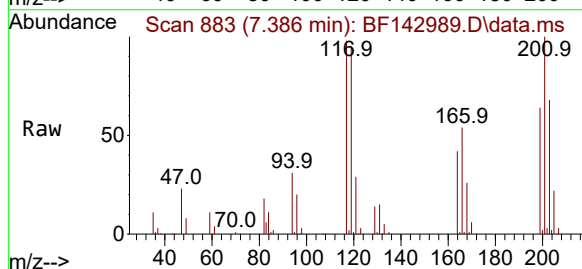
Instrument :
BNA_F
ClientSampleId :
PB168694BS

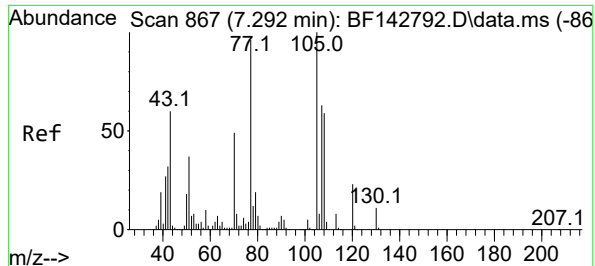
Tgt Ion:107 Resp: 124493
Ion Ratio Lower Upper
107 100
108 113.4 90.9 136.3
77 48.5 37.3 55.9
79 48.0 37.2 55.8



#18
Hexachloroethane
Concen: 43.750 ng
RT: 7.386 min Scan# 883
Delta R.T. -0.006 min
Lab File: BF142989.D
Acq: 03 Jul 2025 10:55

Tgt Ion:117 Resp: 66021
Ion Ratio Lower Upper
117 100
119 97.3 75.4 113.0
201 102.1 75.9 113.9





#19

n-Nitroso-di-n-propylamine

Concen: 43.299 ng

RT: 7.286 min Scan# 8

Delta R.T. -0.006 min

Lab File: BF142989.D

Acq: 03 Jul 2025 10:55

Instrument :

BNA_F

ClientSampleId :

PB168694BS

Tgt Ion: 70 Resp: 105313

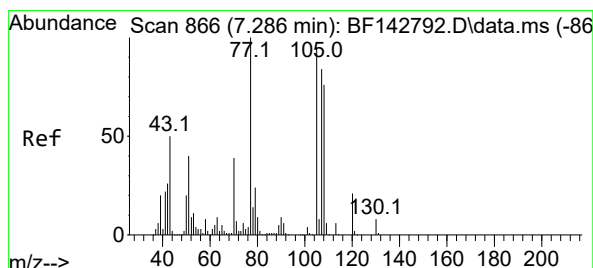
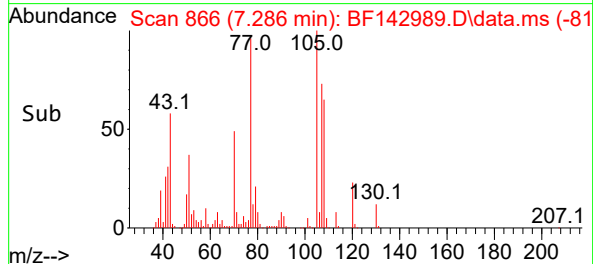
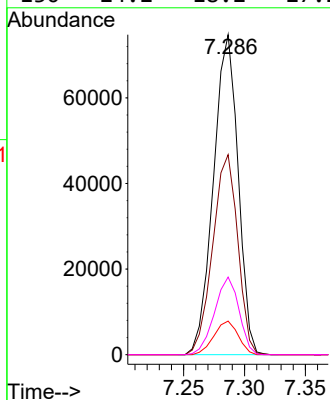
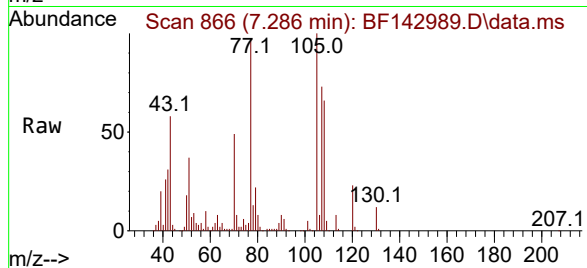
Ion Ratio Lower Upper

70 100

42 62.5 52.1 78.1

101 10.5 8.2 12.2

130 24.2 18.2 27.2



#20

3+4-Methylphenols

Concen: 43.158 ng

RT: 7.281 min Scan# 865

Delta R.T. -0.006 min

Lab File: BF142989.D

Acq: 03 Jul 2025 10:55

Tgt Ion:107 Resp: 155922

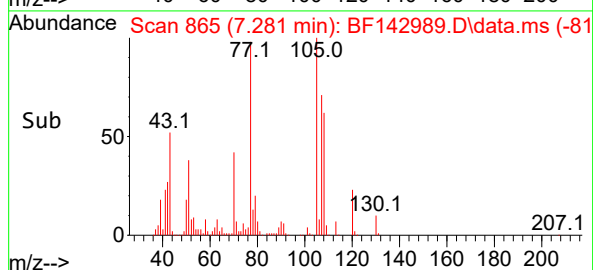
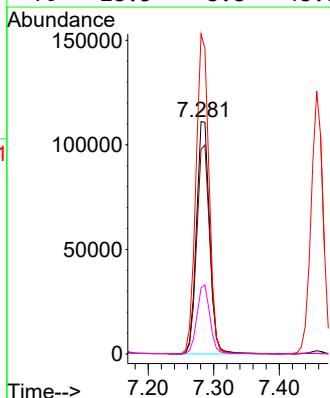
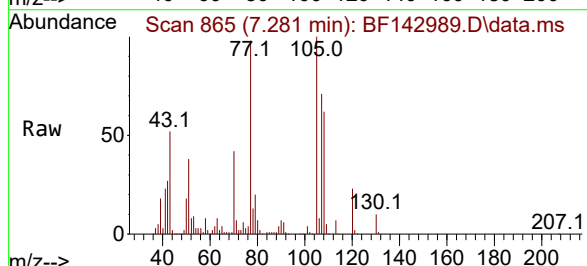
Ion Ratio Lower Upper

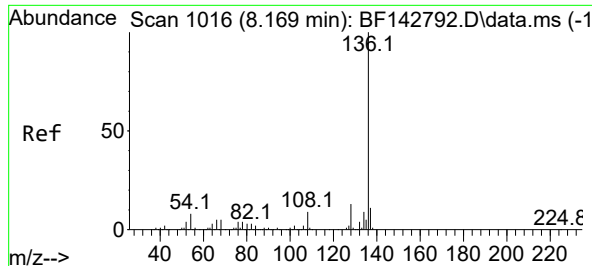
107 100

108 88.1 70.0 110.0

77 137.8 98.5 138.5

79 28.5 8.8 48.8





#21

Naphthalene-d8

Concen: 20.000 ng

RT: 8.157 min Scan# 1014

Delta R.T. -0.012 min

Lab File: BF142989.D

Acq: 03 Jul 2025 10:55

Instrument :

BNA_F

ClientSampleId :

PB168694BS

Tgt Ion:136 Resp: 219896

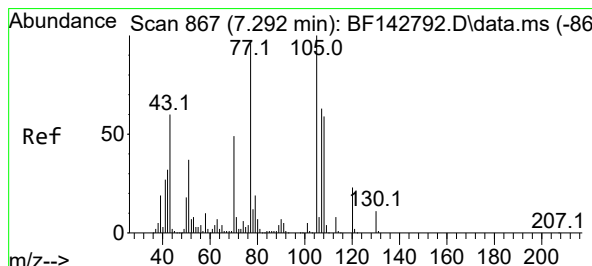
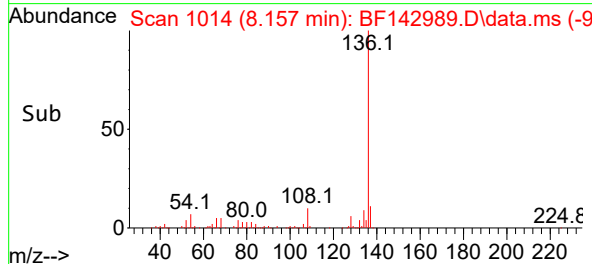
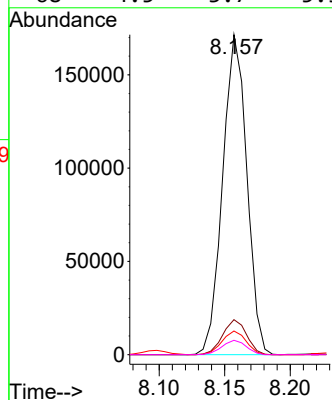
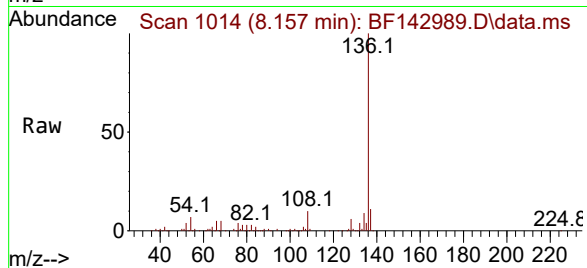
Ion Ratio Lower Upper

136 100

137 11.0 8.4 12.6

54 7.4 6.3 9.5

68 4.5 3.7 5.5



#22

Acetophenone

Concen: 45.066 ng

RT: 7.281 min Scan# 865

Delta R.T. -0.012 min

Lab File: BF142989.D

Acq: 03 Jul 2025 10:55

Tgt Ion:105 Resp: 218530

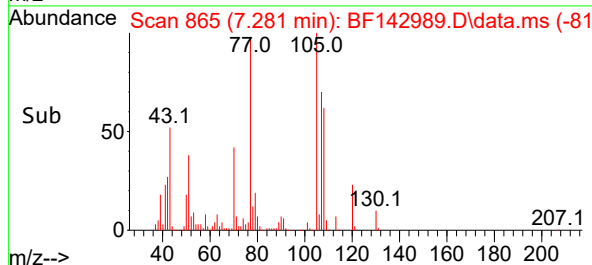
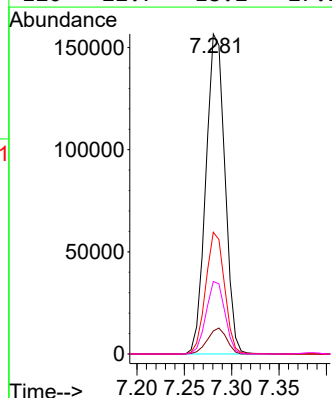
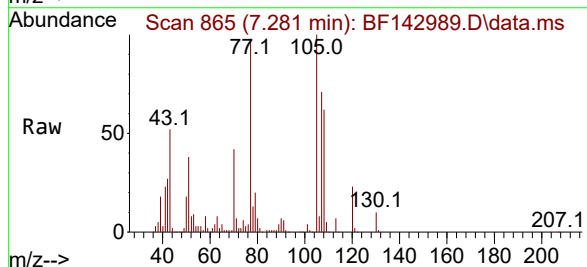
Ion Ratio Lower Upper

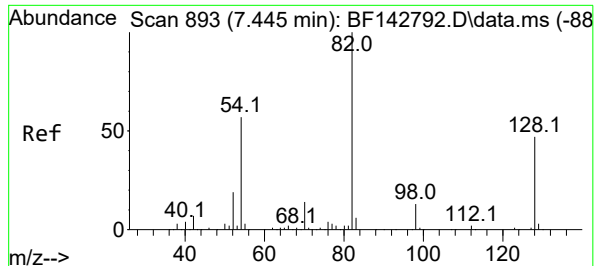
105 100

71 7.2 6.5 9.7

51 38.1 29.8 44.8

120 22.7 18.2 27.2





#23

Nitrobenzene-d5

Concen: 76.588 ng

RT: 7.439 min Scan# 892

Delta R.T. -0.006 min

Lab File: BF142989.D

Acq: 03 Jul 2025 10:55

Instrument :

BNA_F

ClientSampleId :

PB168694BS

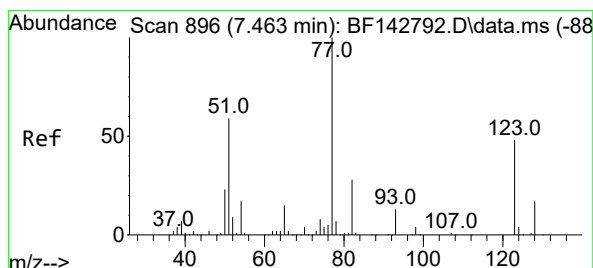
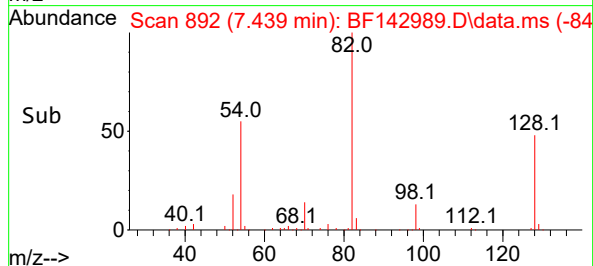
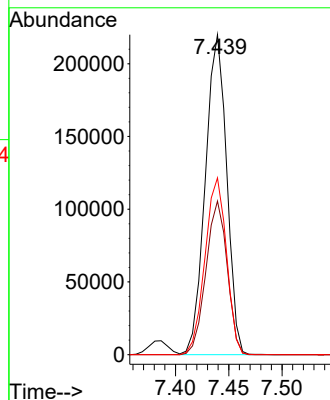
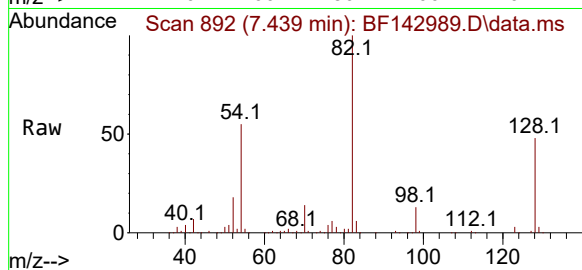
Tgt Ion: 82 Resp: 307041

Ion Ratio Lower Upper

82 100

128 48.0 37.7 56.5

54 55.3 45.7 68.5



#24

Nitrobenzene

Concen: 43.613 ng

RT: 7.457 min Scan# 895

Delta R.T. -0.006 min

Lab File: BF142989.D

Acq: 03 Jul 2025 10:55

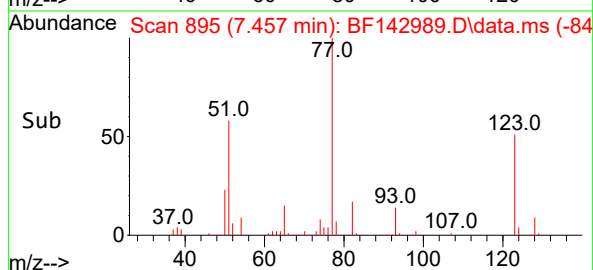
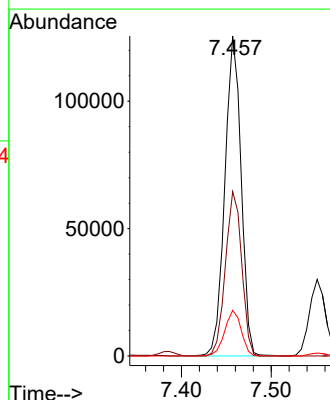
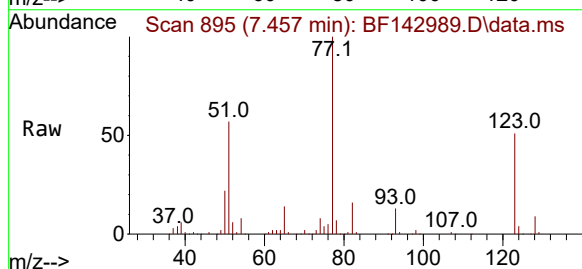
Tgt Ion: 77 Resp: 158249

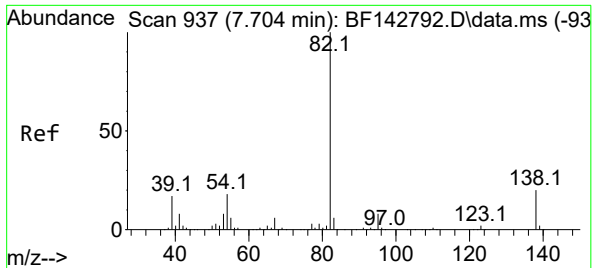
Ion Ratio Lower Upper

77 100

123 51.4 39.2 58.8

65 14.3 11.6 17.4

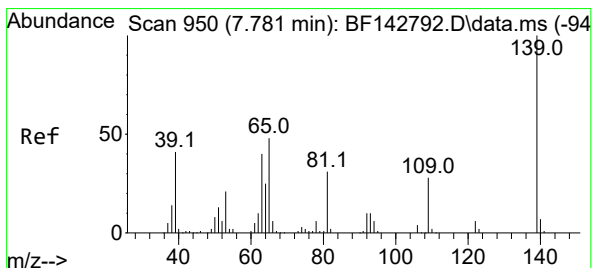
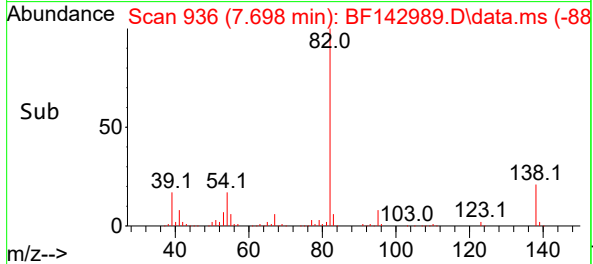
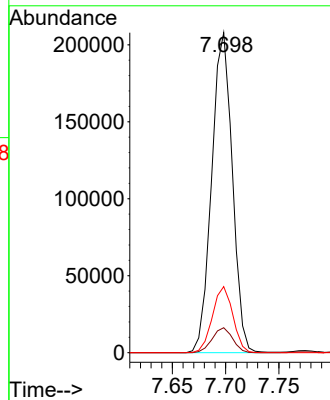
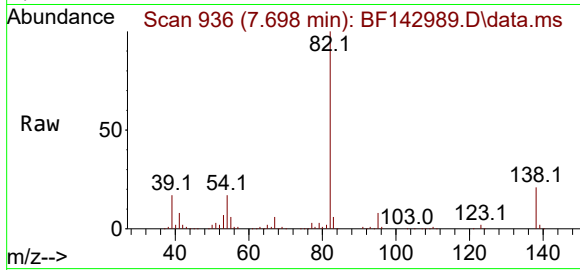




#25
Isophorone
Concen: 43.521 ng
RT: 7.698 min Scan# 91
Delta R.T. -0.006 min
Lab File: BF142989.D
Acq: 03 Jul 2025 10:55

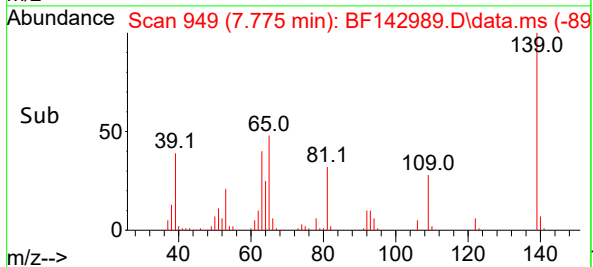
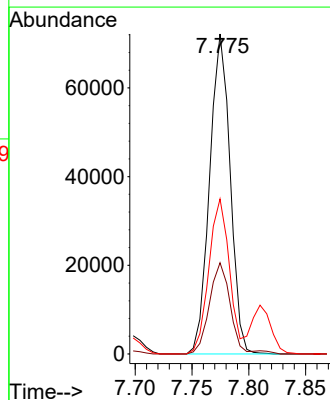
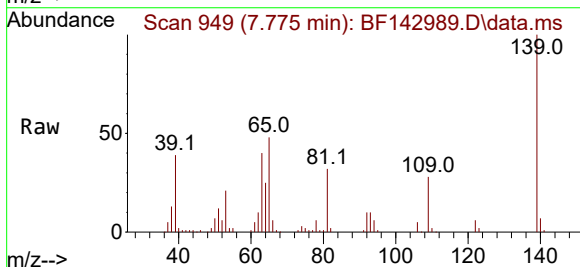
Instrument :
BNA_F
ClientSampleId :
PB168694BS

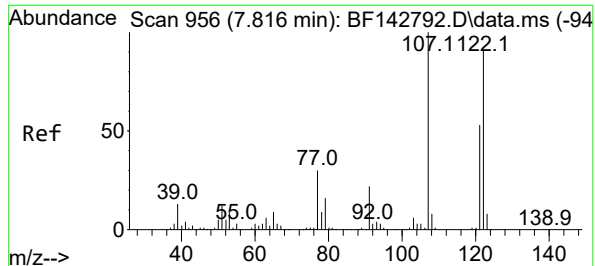
Tgt Ion: 82 Resp: 279888
Ion Ratio Lower Upper
82 100
95 7.8 6.2 9.2
138 20.7 16.2 24.4



#26
2-Nitrophenol
Concen: 45.838 ng
RT: 7.775 min Scan# 949
Delta R.T. -0.006 min
Lab File: BF142989.D
Acq: 03 Jul 2025 10:55

Tgt Ion: 139 Resp: 90603
Ion Ratio Lower Upper
139 100
109 28.5 22.7 34.1
65 48.5 38.6 58.0





#27

2,4-Dimethylphenol

Concen: 43.119 ng

RT: 7.810 min Scan# 91

Delta R.T. -0.006 min

Lab File: BF142989.D

Acq: 03 Jul 2025 10:55

Instrument :

BNA_F

ClientSampleId :

PB168694BS

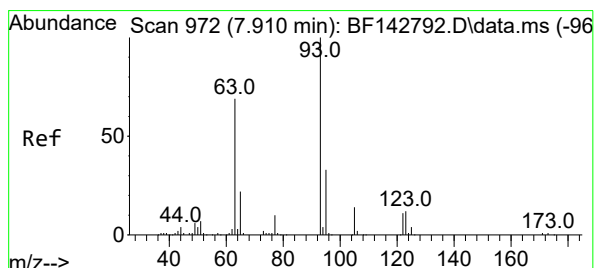
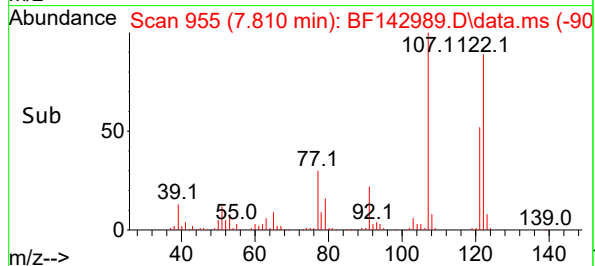
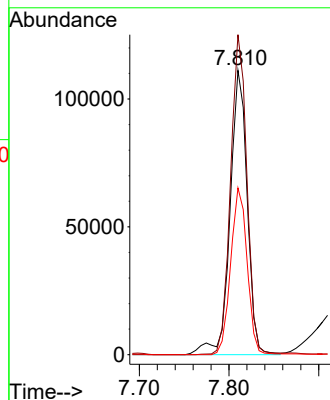
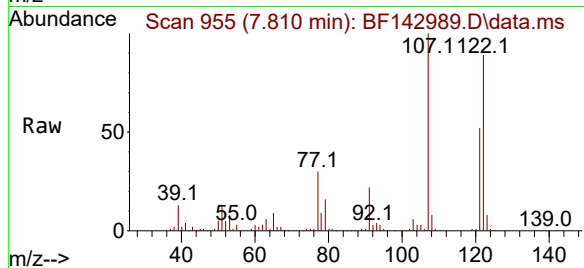
Tgt Ion:122 Resp: 147630

Ion Ratio Lower Upper

122 100

107 112.5 88.0 132.0

121 58.6 46.3 69.5



#28

bis(2-Chloroethoxy)methane

Concen: 44.065 ng

RT: 7.904 min Scan# 971

Delta R.T. -0.006 min

Lab File: BF142989.D

Acq: 03 Jul 2025 10:55

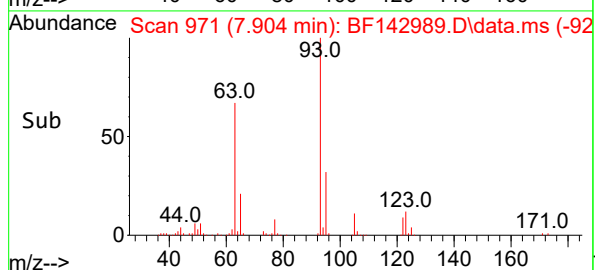
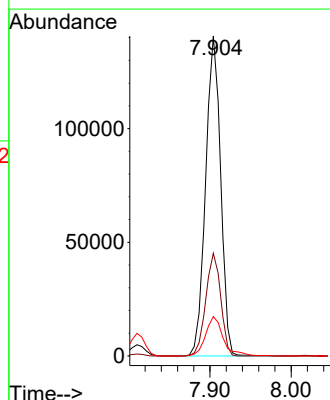
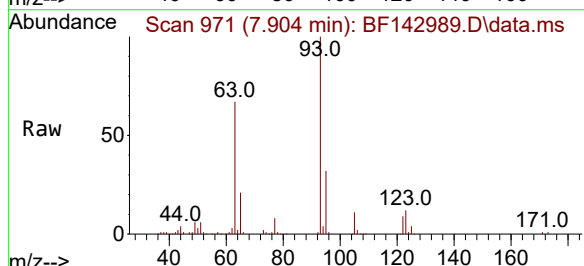
Tgt Ion: 93 Resp: 180163

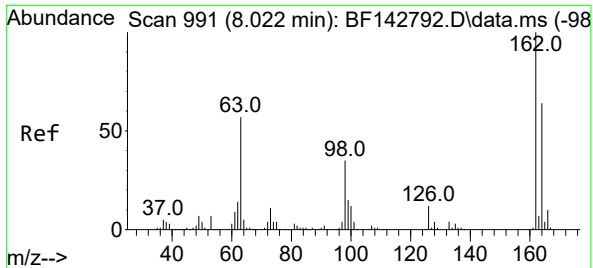
Ion Ratio Lower Upper

93 100

95 32.1 26.2 39.2

123 12.3 9.9 14.9





#29

2,4-Dichlorophenol

Concen: 44.110 ng

RT: 8.022 min Scan# 991

Delta R.T. 0.000 min

Lab File: BF142989.D

Acq: 03 Jul 2025 10:55

Instrument :

BNA_F

ClientSampleId :

PB168694BS

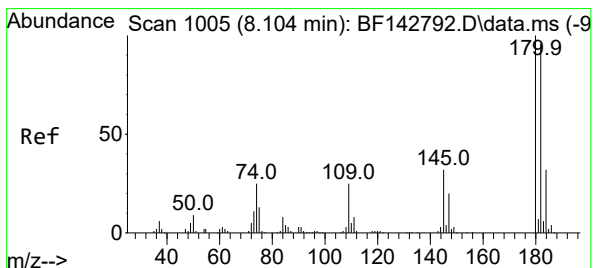
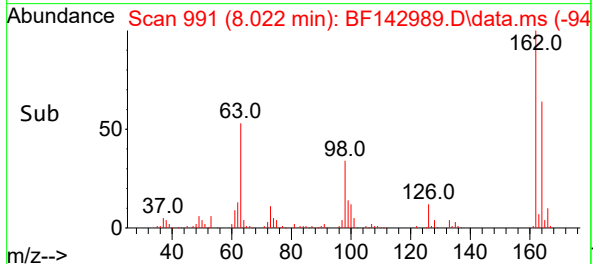
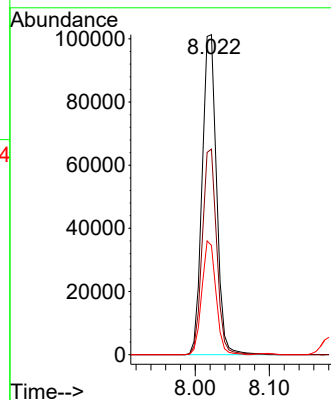
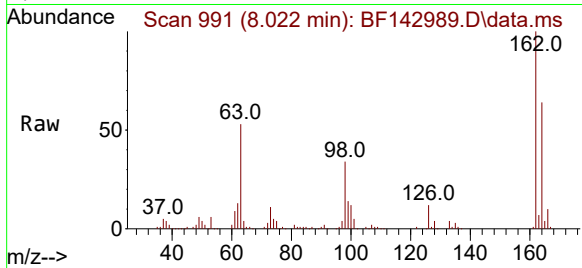
Tgt Ion:162 Resp: 136936

Ion Ratio Lower Upper

162 100

164 64.3 44.0 84.0

98 34.2 15.4 55.4



#30

1,2,4-Trichlorobenzene

Concen: 44.731 ng

RT: 8.098 min Scan# 1004

Delta R.T. -0.006 min

Lab File: BF142989.D

Acq: 03 Jul 2025 10:55

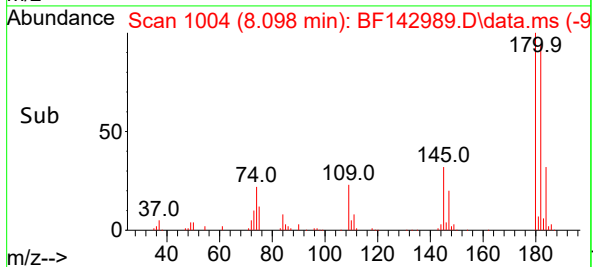
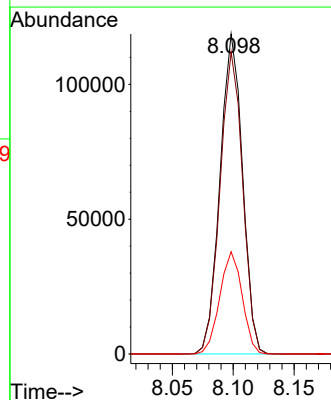
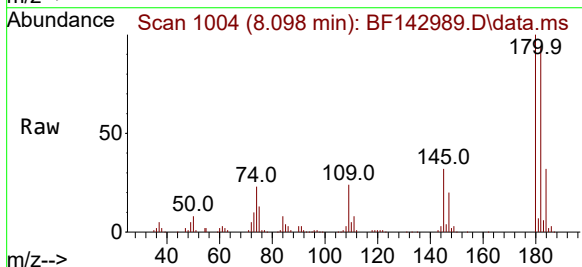
Tgt Ion:180 Resp: 152696

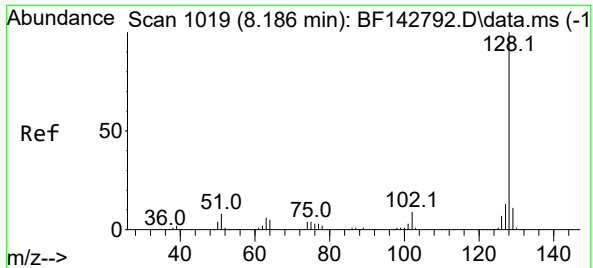
Ion Ratio Lower Upper

180 100

182 94.4 76.4 114.6

145 32.0 25.8 38.8





#31

Naphthalene

Concen: 44.044 ng

RT: 8.181 min Scan# 1019

Delta R.T. -0.006 min

Lab File: BF142989.D

Acq: 03 Jul 2025 10:55

Instrument :

BNA_F

ClientSampleId :

PB168694BS

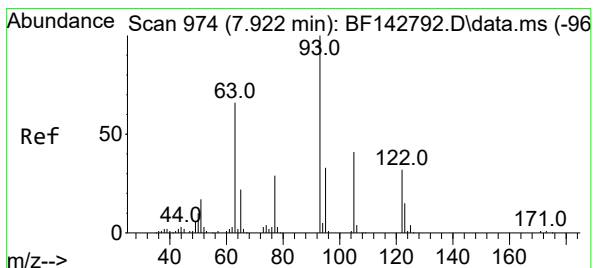
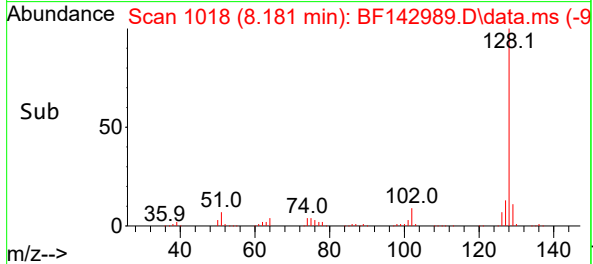
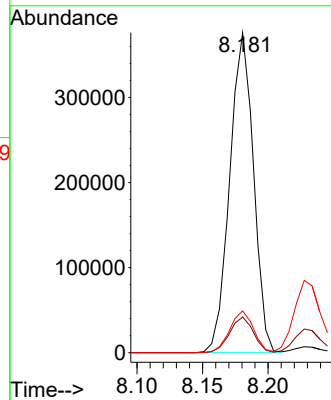
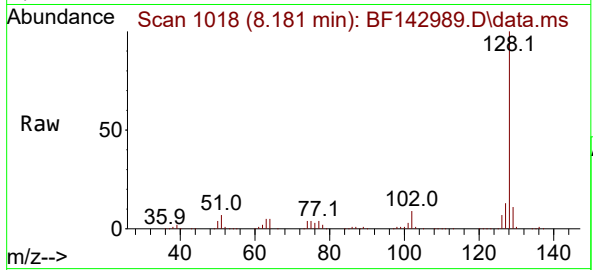
Tgt Ion:128 Resp: 474067

Ion Ratio Lower Upper

128 100

129 11.1 8.9 13.3

127 13.0 10.4 15.6



#32

Benzoic acid

Concen: 36.890 ng

RT: 7.928 min Scan# 975

Delta R.T. 0.006 min

Lab File: BF142989.D

Acq: 03 Jul 2025 10:55

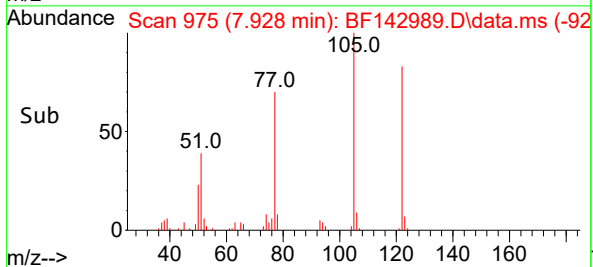
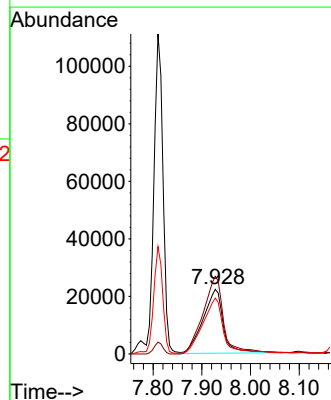
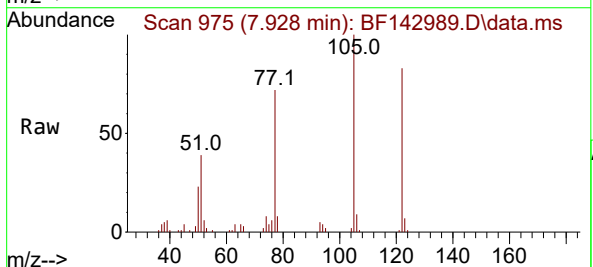
Tgt Ion:122 Resp: 64375

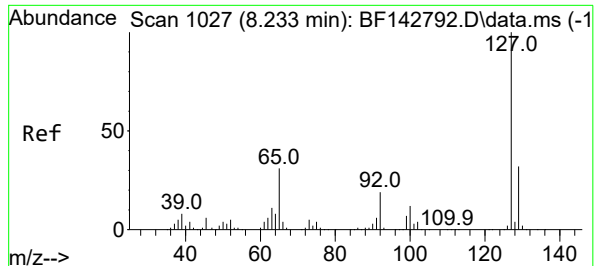
Ion Ratio Lower Upper

122 100

105 120.1 104.7 144.7

77 86.4 70.2 110.2





#33

4-Chloroaniline

Concen: 29.519 ng

RT: 8.228 min Scan# 1026

Delta R.T. -0.006 min

Lab File: BF142989.D

Acq: 03 Jul 2025 10:55

Instrument :

BNA_F

ClientSampleId :

PB168694BS

Tgt Ion:127 Resp: 129193

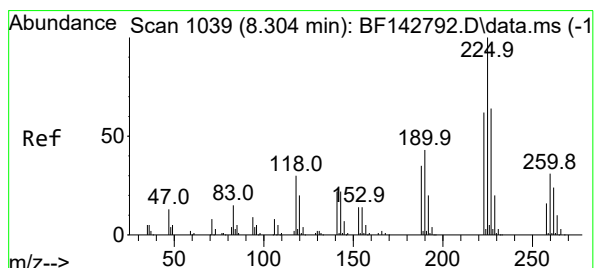
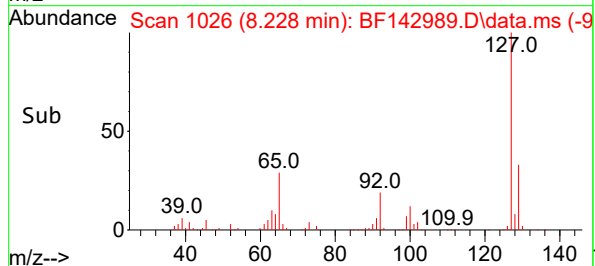
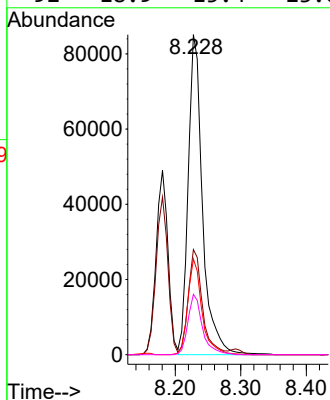
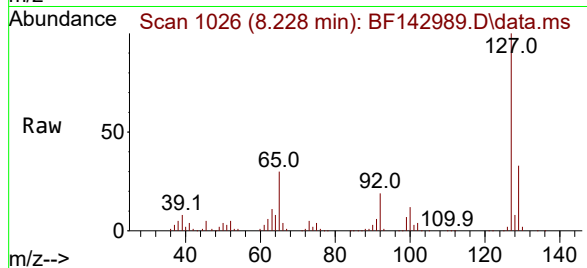
Ion Ratio Lower Upper

127 100

129 32.8 25.9 38.9

65 29.9 24.6 36.8

92 18.9 15.4 23.0



#34

Hexachlorobutadiene

Concen: 45.755 ng

RT: 8.292 min Scan# 1037

Delta R.T. -0.012 min

Lab File: BF142989.D

Acq: 03 Jul 2025 10:55

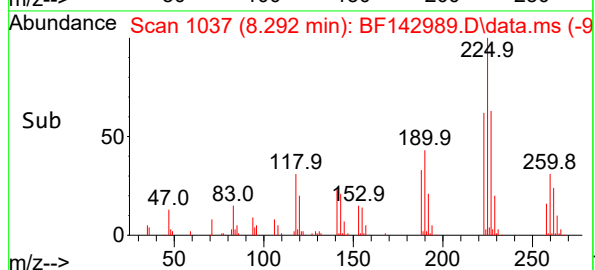
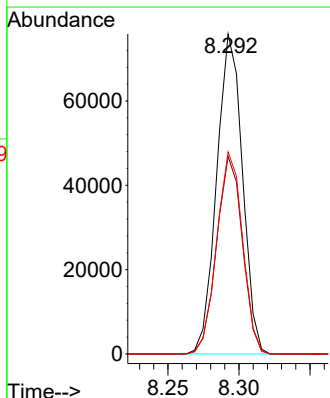
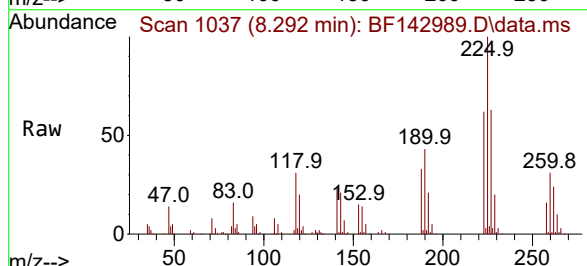
Tgt Ion:225 Resp: 95541

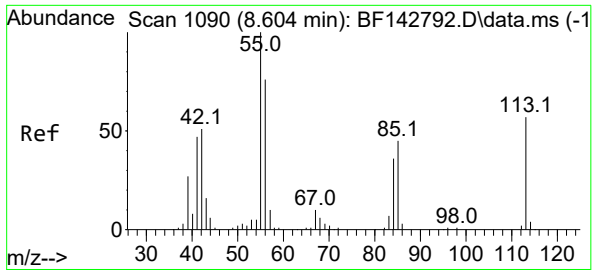
Ion Ratio Lower Upper

225 100

223 61.7 49.9 74.9

227 63.1 51.4 77.0





#35

Caprolactam

Concen: 44.721 ng m

RT: 8.598 min Scan# 1090

Delta R.T. -0.006 min

Lab File: BF142989.D

Acq: 03 Jul 2025 10:55

Instrument :

BNA_F

ClientSampleId :

PB168694BS

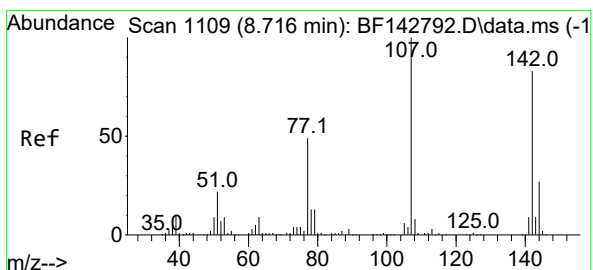
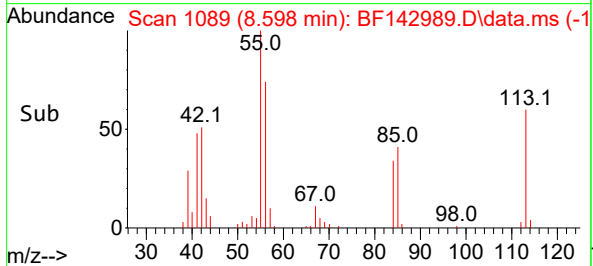
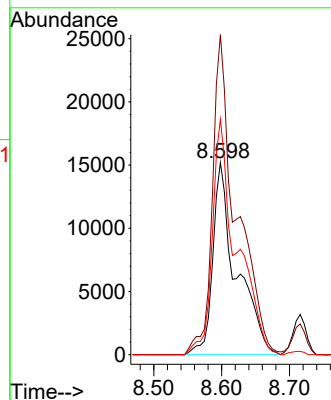
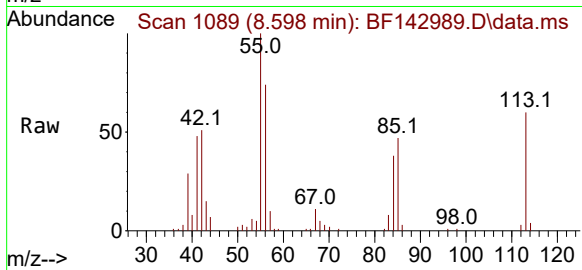
Tgt Ion:113 Resp: 36635

Ion Ratio Lower Upper

113 100

55 166.6 154.4 194.4

56 122.6 112.1 152.1



#36

4-Chloro-3-methylphenol

Concen: 42.967 ng

RT: 8.716 min Scan# 1109

Delta R.T. 0.000 min

Lab File: BF142989.D

Acq: 03 Jul 2025 10:55

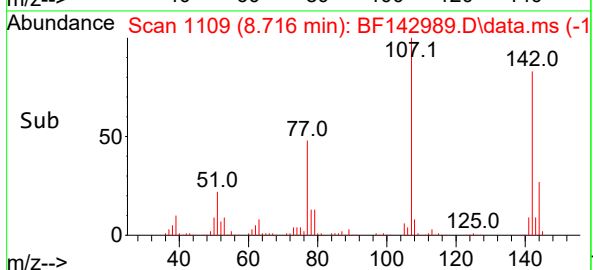
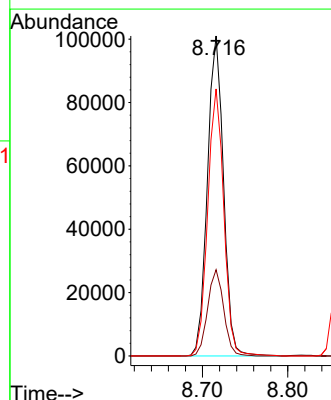
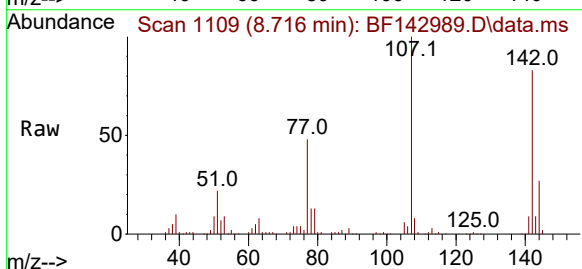
Tgt Ion:107 Resp: 132566

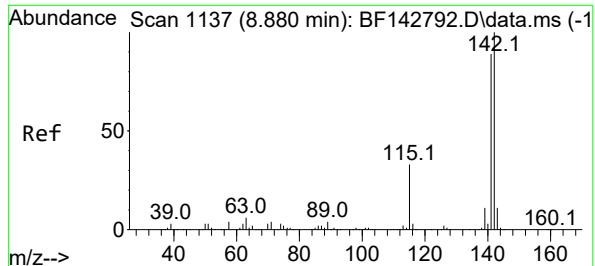
Ion Ratio Lower Upper

107 100

144 27.0 21.3 31.9

142 83.4 66.6 100.0

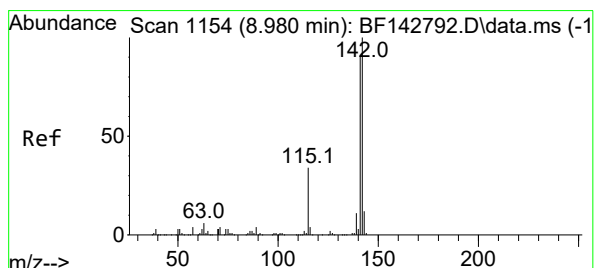
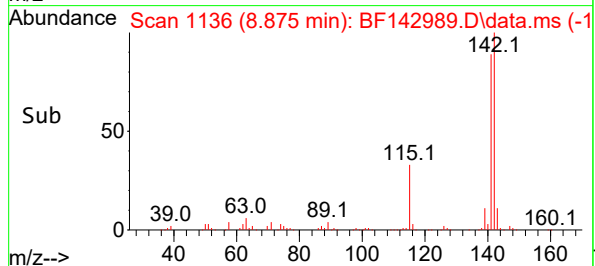
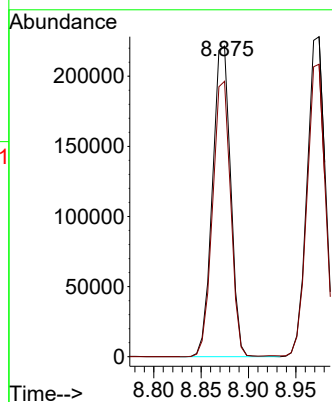
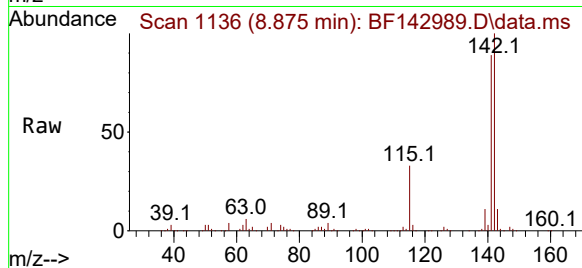




#37
2-Methylnaphthalene
Concen: 44.240 ng
RT: 8.875 min Scan# 1136
Delta R.T. -0.006 min
Lab File: BF142989.D
Acq: 03 Jul 2025 10:55

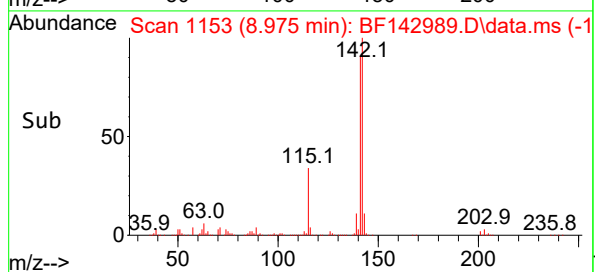
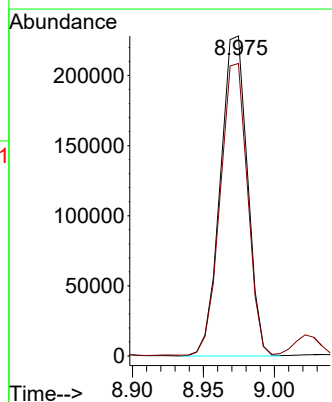
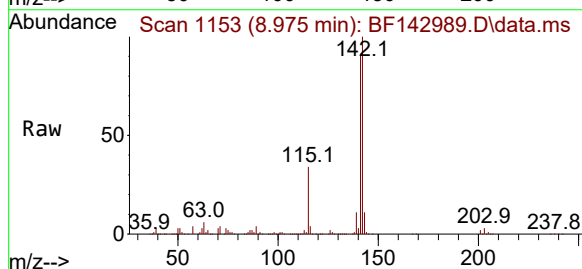
Instrument :
BNA_F
ClientSampleId :
PB168694BS

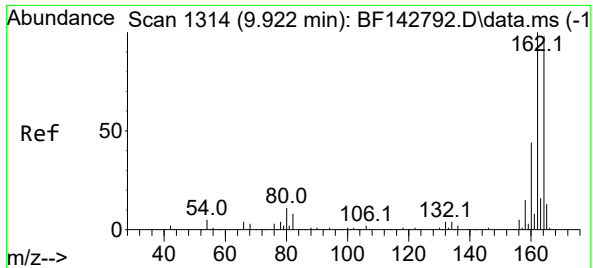
Tgt Ion:142 Resp: 295211
Ion Ratio Lower Upper
142 100
141 88.7 70.9 106.3



#38
1-Methylnaphthalene
Concen: 43.939 ng
RT: 8.975 min Scan# 1153
Delta R.T. -0.006 min
Lab File: BF142989.D
Acq: 03 Jul 2025 10:55

Tgt Ion:142 Resp: 303523
Ion Ratio Lower Upper
142 100
141 91.4 73.0 109.4





#39

Acenaphthene-d10

Concen: 20.000 ng

RT: 9.916 min Scan# 1164

Delta R.T. -0.006 min

Lab File: BF142989.D

Acq: 03 Jul 2025 10:55

Instrument :

BNA_F

ClientSampleId :

PB168694BS

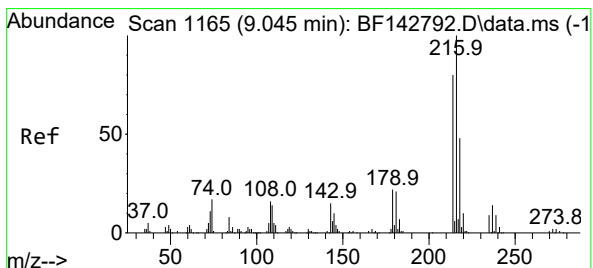
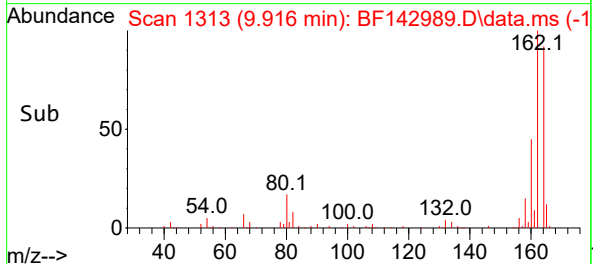
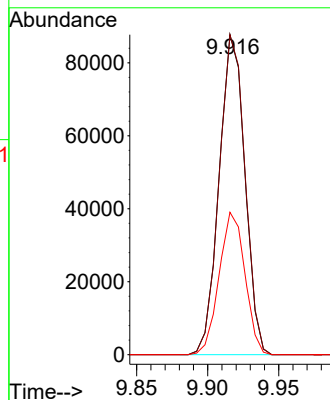
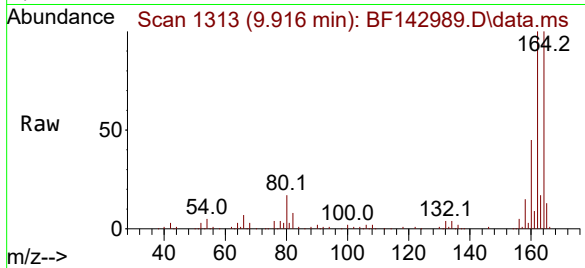
Tgt Ion:164 Resp: 110519

Ion Ratio Lower Upper

164 100

162 99.9 81.8 122.8

160 44.5 36.0 54.0



#40

1,2,4,5-Tetrachlorobenzene

Concen: 46.512 ng

RT: 9.039 min Scan# 1164

Delta R.T. -0.006 min

Lab File: BF142989.D

Acq: 03 Jul 2025 10:55

Tgt Ion:216 Resp: 151677

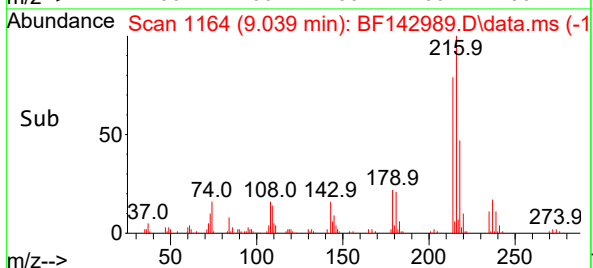
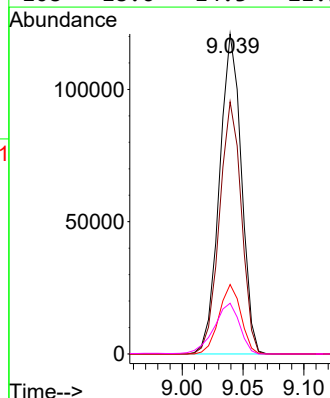
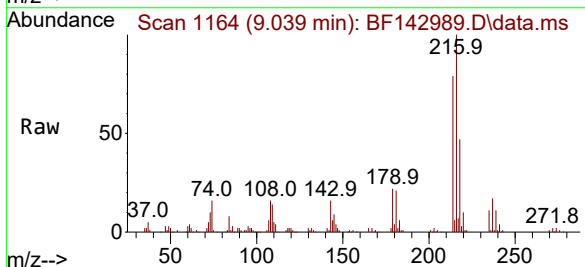
Ion Ratio Lower Upper

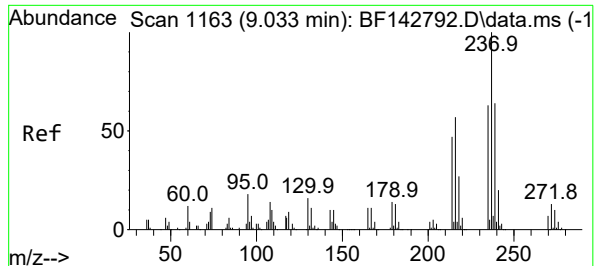
216 100

214 78.6 63.7 95.5

179 21.6 17.6 26.4

108 18.6 14.3 21.5





#41

Hexachlorocyclopentadiene

Concen: 86.059 ng

RT: 9.022 min Scan# 1161

Delta R.T. -0.012 min

Lab File: BF142989.D

Acq: 03 Jul 2025 10:55

Instrument :

BNA_F

ClientSampleId :

PB168694BS

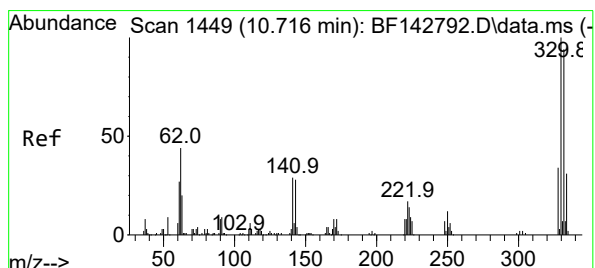
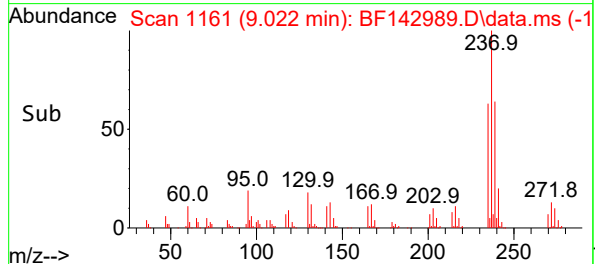
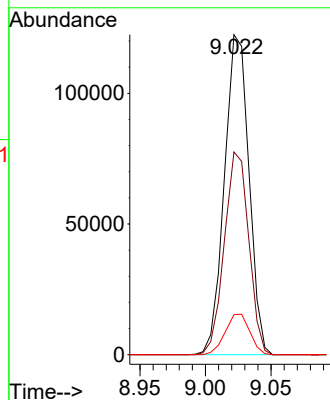
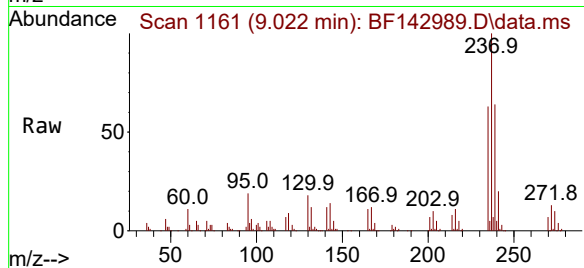
Tgt Ion:237 Resp: 159259

Ion Ratio Lower Upper

237 100

235 63.3 43.4 83.4

272 12.5 0.0 32.7



#42

2,4,6-Tribromophenol

Concen: 122.164 ng

RT: 10.710 min Scan# 1448

Delta R.T. -0.006 min

Lab File: BF142989.D

Acq: 03 Jul 2025 10:55

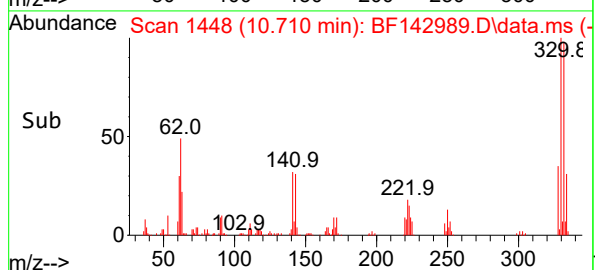
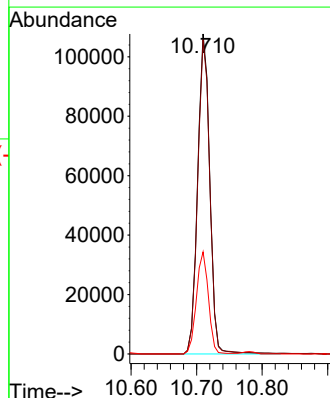
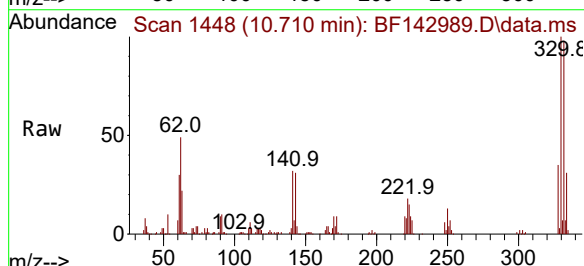
Tgt Ion:330 Resp: 138939

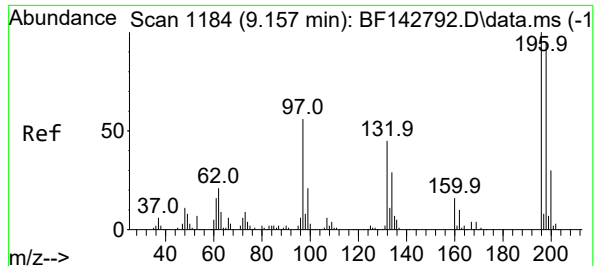
Ion Ratio Lower Upper

330 100

332 98.0 75.0 112.6

141 31.5 25.3 37.9





#43

2,4,6-Trichlorophenol

Concen: 44.340 ng

RT: 9.151 min Scan# 1184

Delta R.T. -0.006 min

Lab File: BF142989.D

Acq: 03 Jul 2025 10:55

Instrument :

BNA_F

ClientSampleId :

PB168694BS

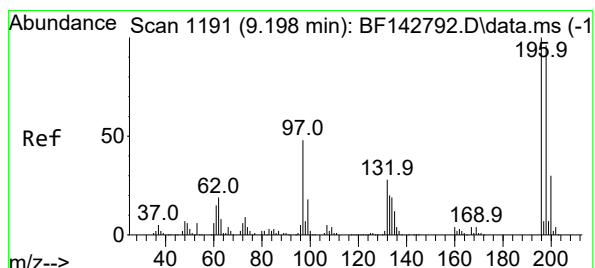
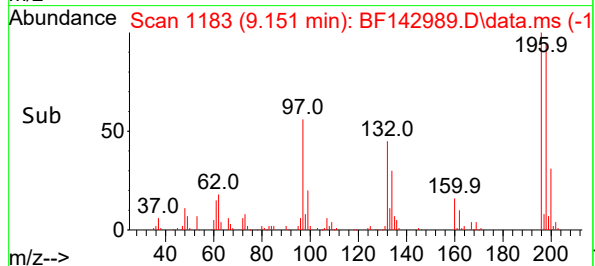
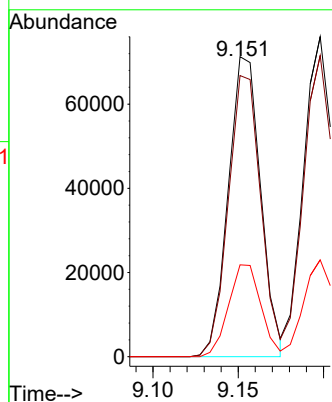
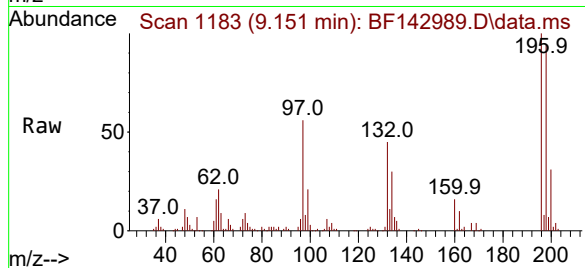
Tgt Ion:196 Resp: 94222

Ion Ratio Lower Upper

196 100

198 93.7 76.2 114.2

200 30.6 24.1 36.1



#44

2,4,5-Trichlorophenol

Concen: 44.162 ng

RT: 9.198 min Scan# 1191

Delta R.T. 0.000 min

Lab File: BF142989.D

Acq: 03 Jul 2025 10:55

Tgt Ion:196 Resp: 98787

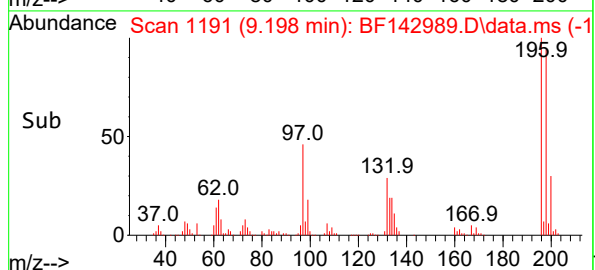
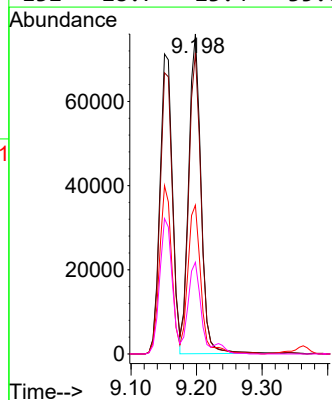
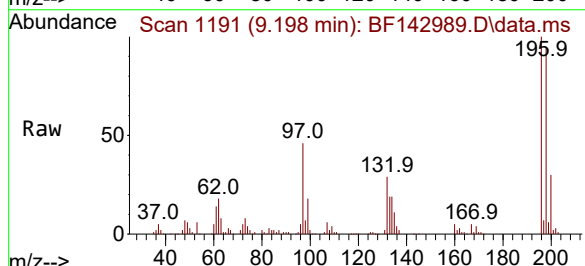
Ion Ratio Lower Upper

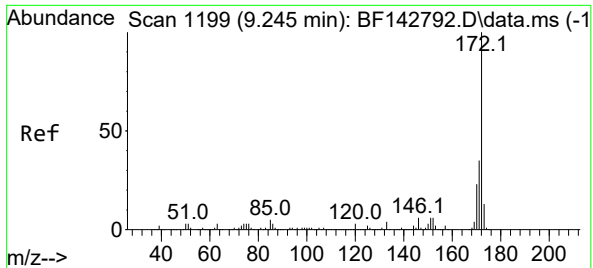
196 100

198 94.1 76.6 115.0

97 46.5 38.2 57.2

132 28.7 23.4 35.0





#45

2-Fluorobiphenyl

Concen: 79.779 ng

RT: 9.233 min Scan# 1199

Delta R.T. -0.012 min

Lab File: BF142989.D

Acq: 03 Jul 2025 10:55

Instrument :

BNA_F

ClientSampleId :

PB168694BS

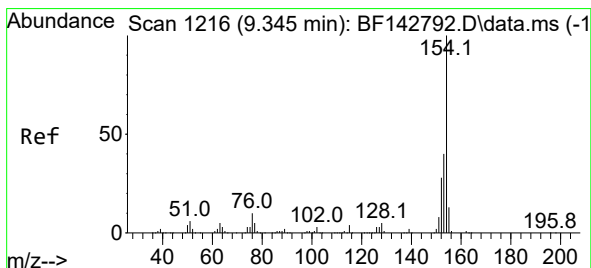
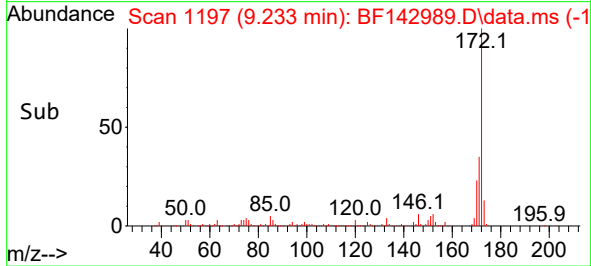
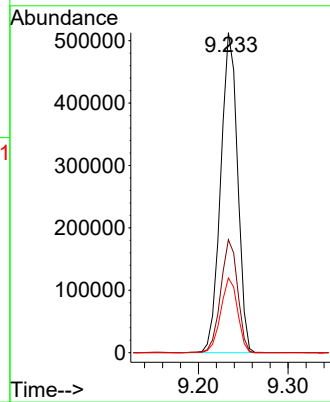
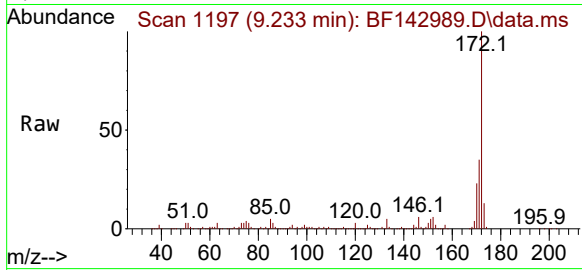
Tgt Ion:172 Resp: 671177

Ion Ratio Lower Upper

172 100

171 35.3 28.2 42.4

170 23.3 18.5 27.7



#46

1,1'-Biphenyl

Concen: 45.567 ng

RT: 9.339 min Scan# 1215

Delta R.T. -0.006 min

Lab File: BF142989.D

Acq: 03 Jul 2025 10:55

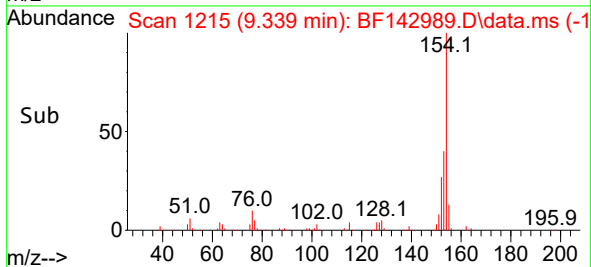
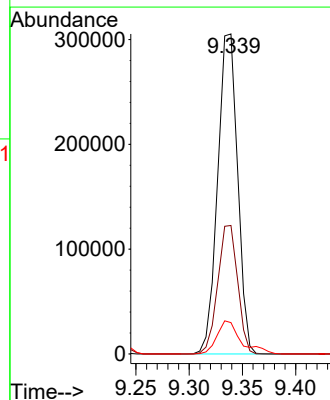
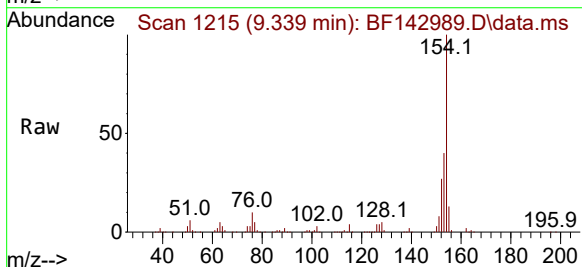
Tgt Ion:154 Resp: 397819

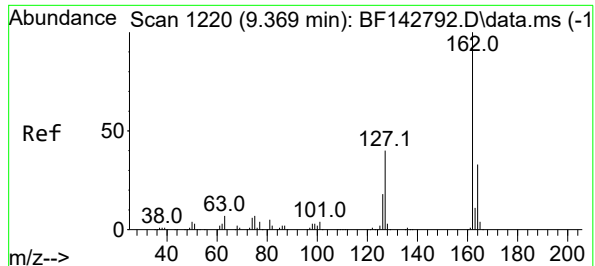
Ion Ratio Lower Upper

154 100

153 40.2 20.3 60.3

76 9.8 0.0 30.3





#47

2-Chloronaphthalene

Concen: 44.833 ng

RT: 9.363 min Scan# 1219

Delta R.T. -0.006 min

Lab File: BF142989.D

Acq: 03 Jul 2025 10:55

Instrument :

BNA_F

ClientSampleId :

PB168694BS

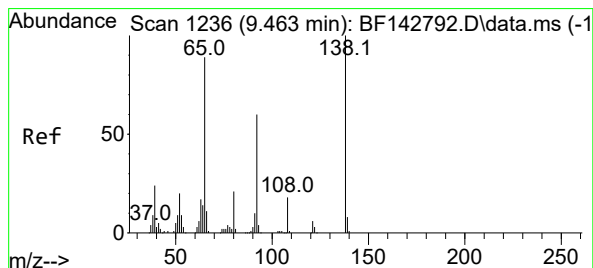
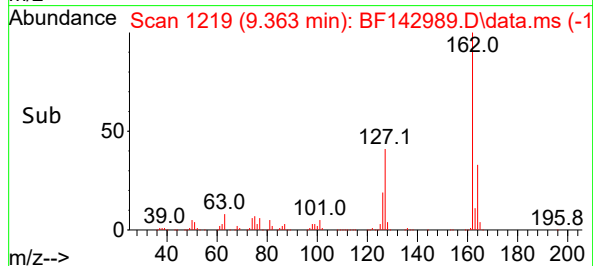
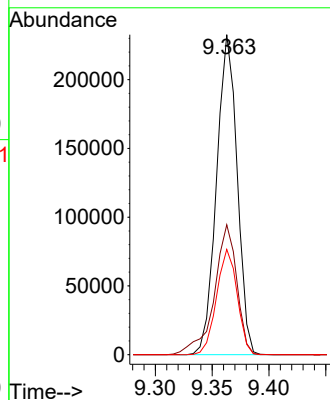
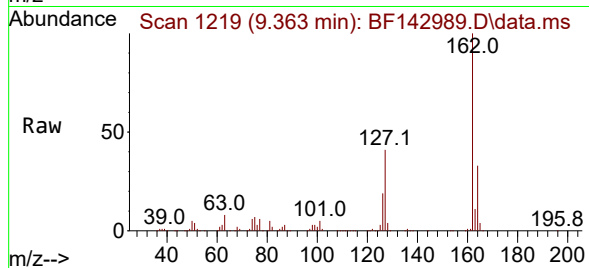
Tgt Ion:162 Resp: 293722

Ion Ratio Lower Upper

162 100

127 40.6 32.2 48.2

164 32.9 26.1 39.1



#48

2-Nitroaniline

Concen: 43.469 ng

RT: 9.463 min Scan# 1236

Delta R.T. 0.000 min

Lab File: BF142989.D

Acq: 03 Jul 2025 10:55

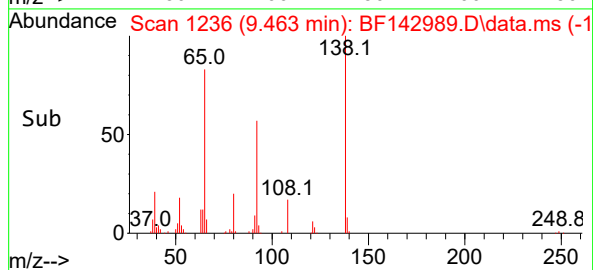
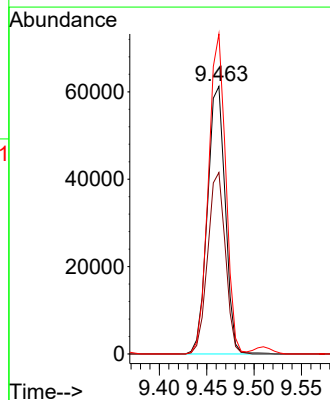
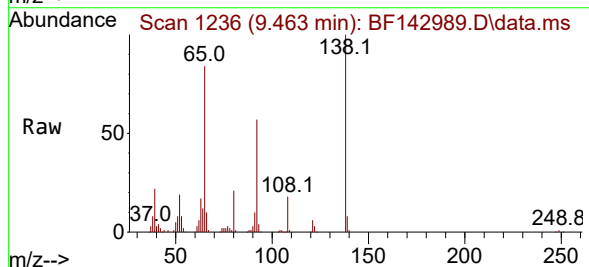
Tgt Ion: 65 Resp: 79842

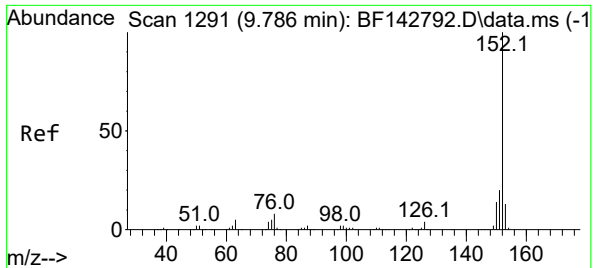
Ion Ratio Lower Upper

65 100

92 67.8 53.8 80.6

138 119.6 89.6 134.4





#49

Acenaphthylene

Concen: 44.661 ng

RT: 9.780 min Scan# 11

Delta R.T. -0.006 min

Lab File: BF142989.D

Acq: 03 Jul 2025 10:55

Instrument :

BNA_F

ClientSampleId :

PB168694BS

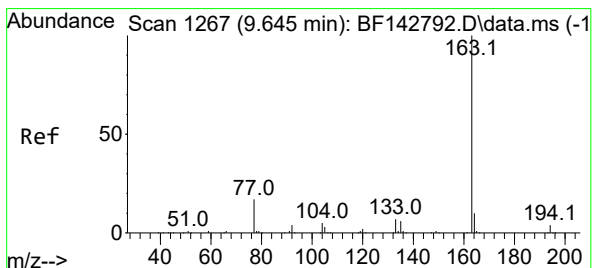
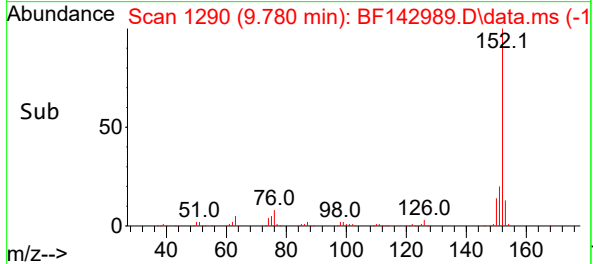
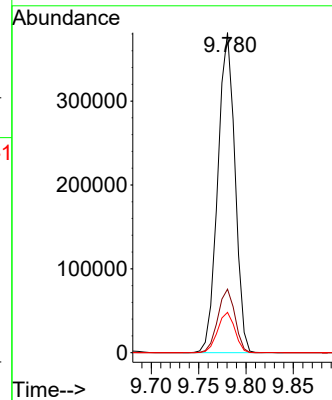
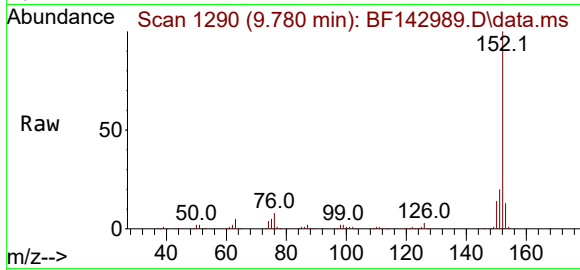
Tgt Ion:152 Resp: 481682

Ion Ratio Lower Upper

152 100

151 19.8 16.1 24.1

153 12.6 10.4 15.6



#50

Dimethylphthalate

Concen: 45.042 ng

RT: 9.639 min Scan# 1266

Delta R.T. -0.006 min

Lab File: BF142989.D

Acq: 03 Jul 2025 10:55

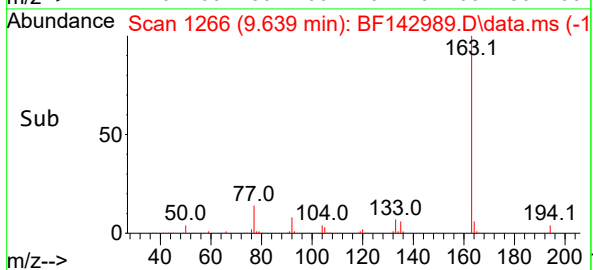
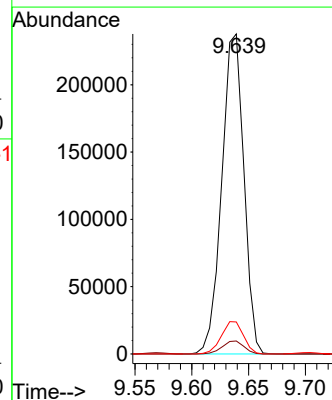
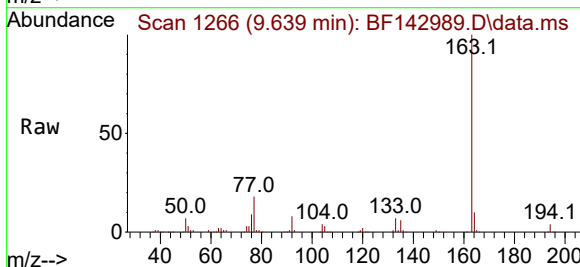
Tgt Ion:163 Resp: 322225

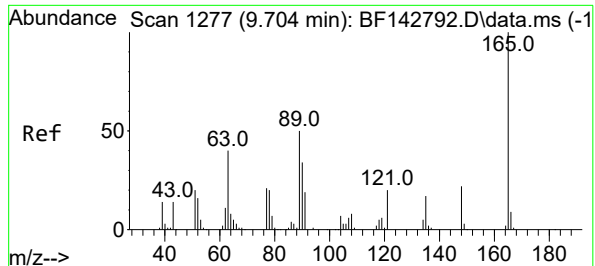
Ion Ratio Lower Upper

163 100

194 4.0 3.3 4.9

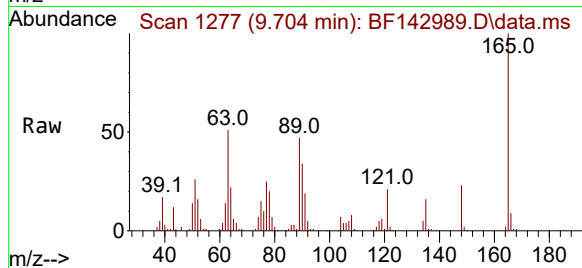
164 10.0 8.0 12.0



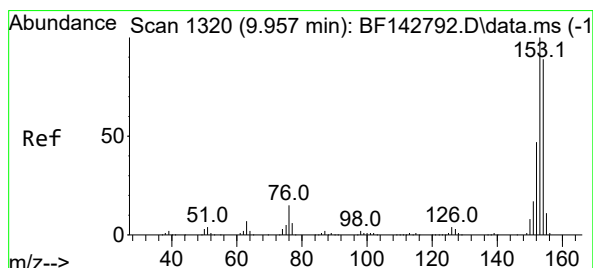
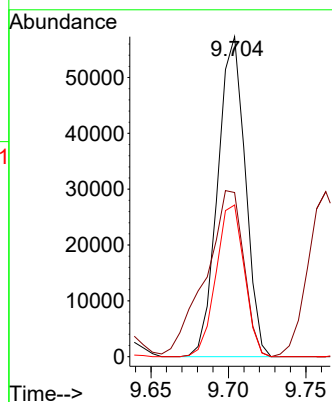
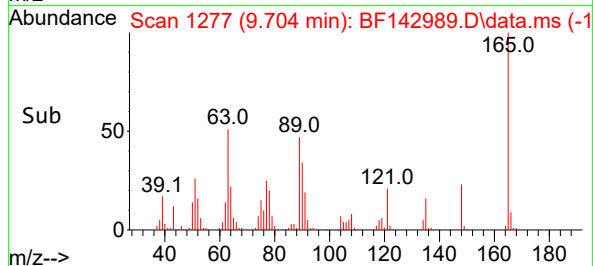


#51
2,6-Dinitrotoluene
Concen: 45.063 ng
RT: 9.704 min Scan# 11
Delta R.T. -0.000 min
Lab File: BF142989.D
Acq: 03 Jul 2025 10:55

Instrument :
BNA_F
ClientSampleId :
PB168694BS

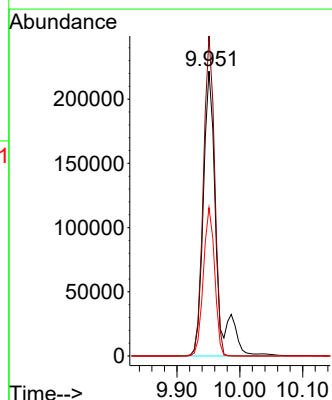
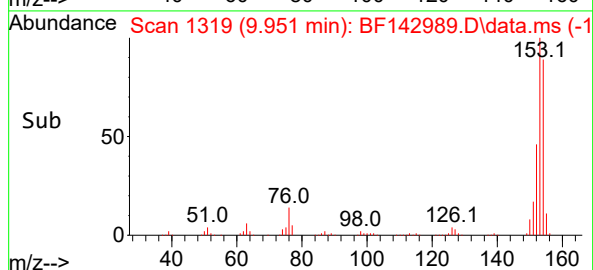
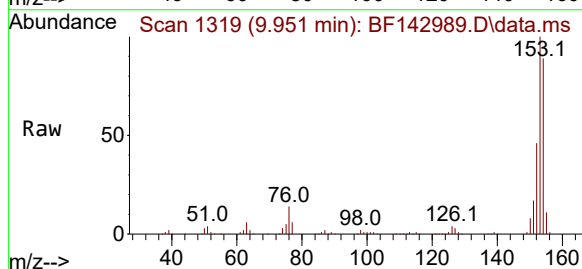


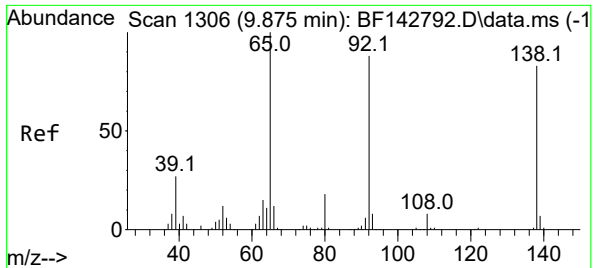
Tgt Ion:165 Resp: 70798
Ion Ratio Lower Upper
165 100
63 51.3 44.2 66.4
89 47.4 39.8 59.8



#52
Acenaphthene
Concen: 48.709 ng m
RT: 9.951 min Scan# 1319
Delta R.T. -0.006 min
Lab File: BF142989.D
Acq: 03 Jul 2025 10:55

Tgt Ion:154 Resp: 320524
Ion Ratio Lower Upper
154 100
153 112.3 90.0 135.0
152 52.1 41.9 62.9

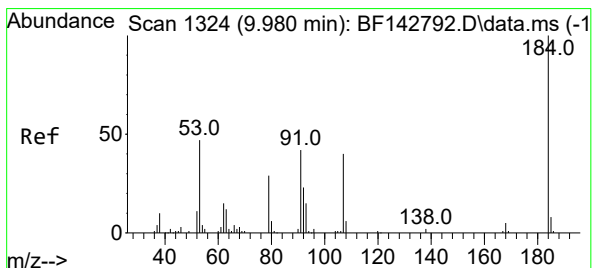
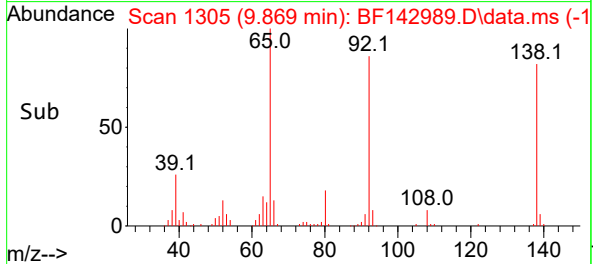
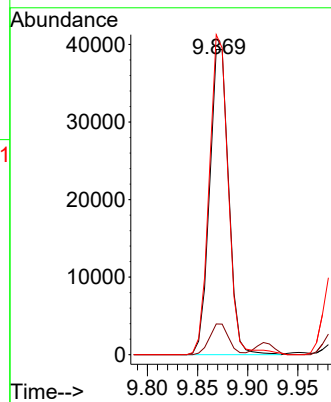
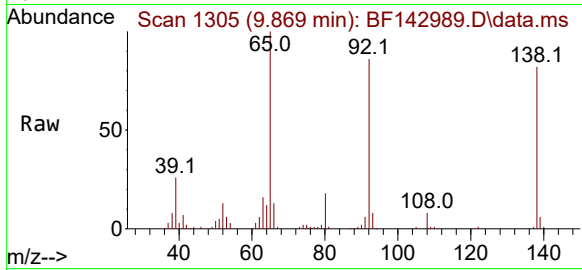




#53
3-Nitroaniline
Concen: 30.200 ng
RT: 9.869 min Scan# 11
Delta R.T. -0.006 min
Lab File: BF142989.D
Acq: 03 Jul 2025 10:55

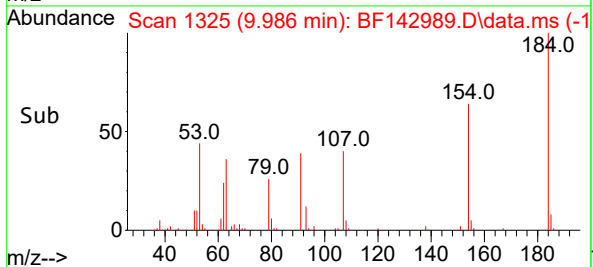
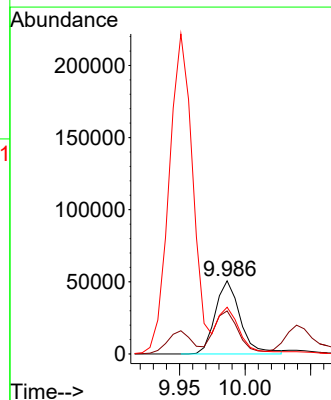
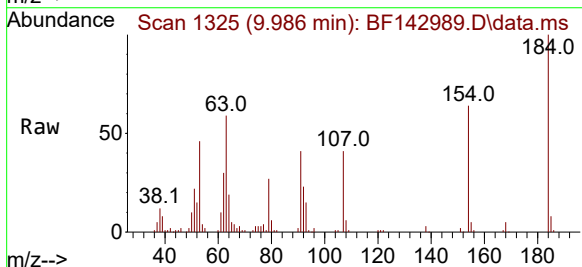
Instrument :
BNA_F
ClientSampleId :
PB168694BS

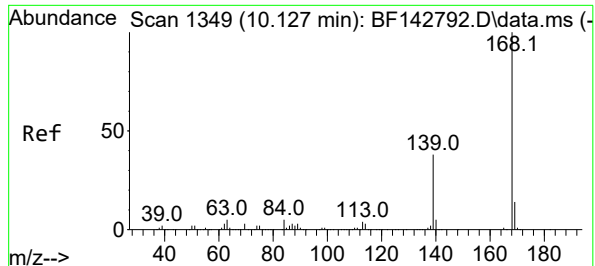
Tgt Ion	Ratio	Lower	Upper
138	100		
108	10.1	8.1	12.1
92	104.9	85.1	127.7



#54
2,4-Dinitrophenol
Concen: 85.472 ng
RT: 9.986 min Scan# 1325
Delta R.T. 0.006 min
Lab File: BF142989.D
Acq: 03 Jul 2025 10:55

Tgt Ion	Ratio	Lower	Upper
184	100		
63	59.0	50.6	75.8
154	63.9	51.8	77.8





#55

Dibenzenofuran

Concen: 44.425 ng

RT: 10.122 min Scan# 11

Delta R.T. -0.006 min

Lab File: BF142989.D

Acq: 03 Jul 2025 10:55

Instrument :

BNA_F

ClientSampleId :

PB168694BS

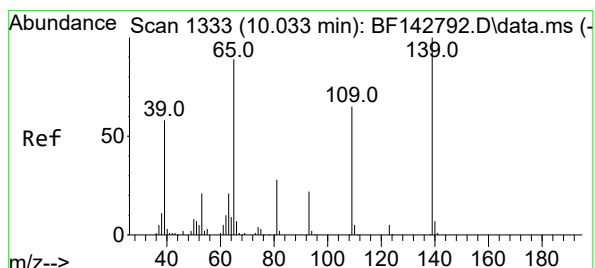
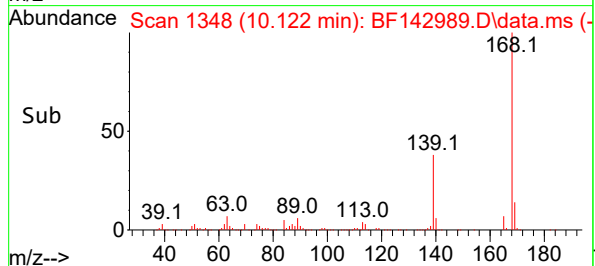
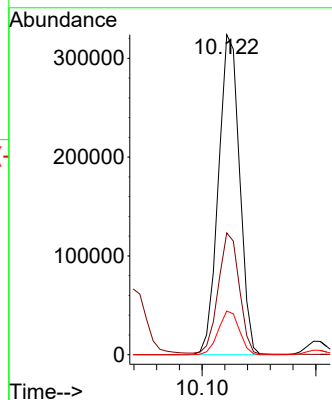
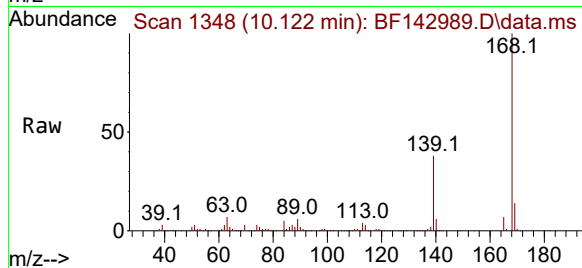
Tgt Ion:168 Resp: 419194

Ion Ratio Lower Upper

168 100

139 38.0 30.2 45.4

169 13.6 10.8 16.2



#56

4-Nitrophenol

Concen: 78.504 ng

RT: 10.039 min Scan# 1334

Delta R.T. 0.006 min

Lab File: BF142989.D

Acq: 03 Jul 2025 10:55

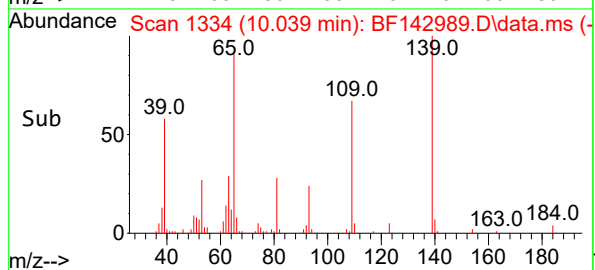
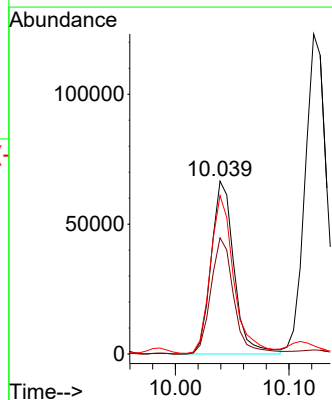
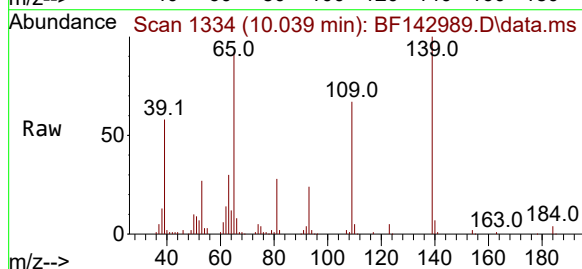
Tgt Ion:139 Resp: 92964

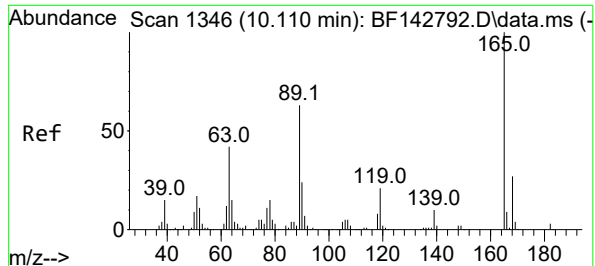
Ion Ratio Lower Upper

139 100

109 67.2 44.7 84.7

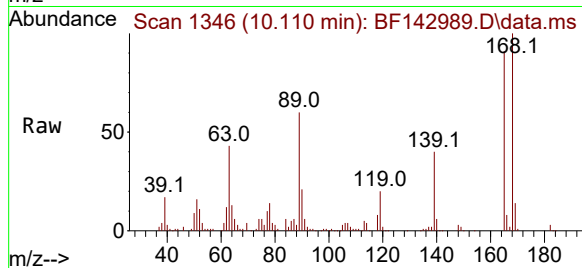
65 91.6 69.8 109.8



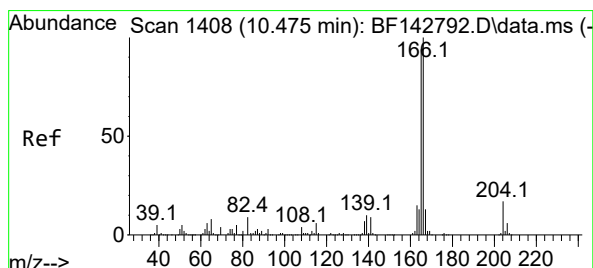
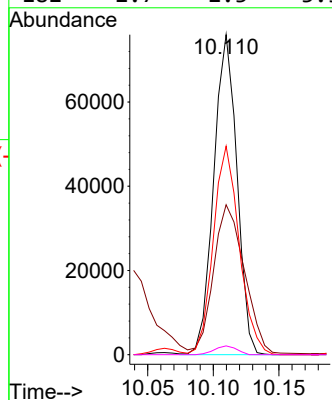
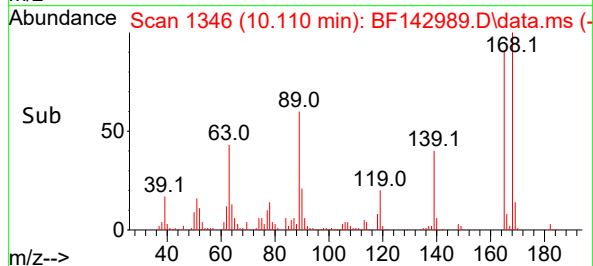


#57
2,4-Dinitrotoluene
Concen: 44.717 ng
RT: 10.110 min Scan# 11
Delta R.T. 0.000 min
Lab File: BF142989.D
Acq: 03 Jul 2025 10:55

Instrument :
BNA_F
ClientSampleId :
PB168694BS

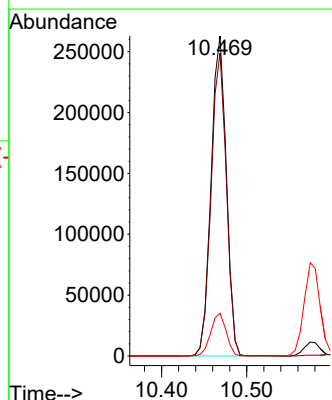
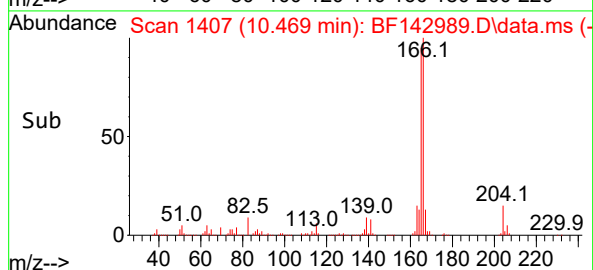
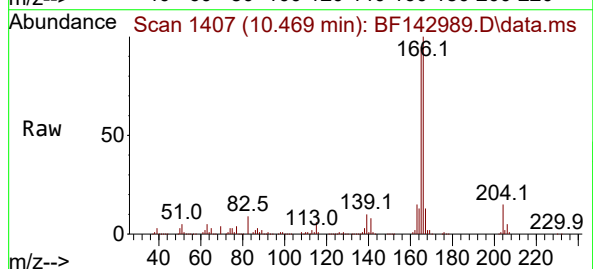


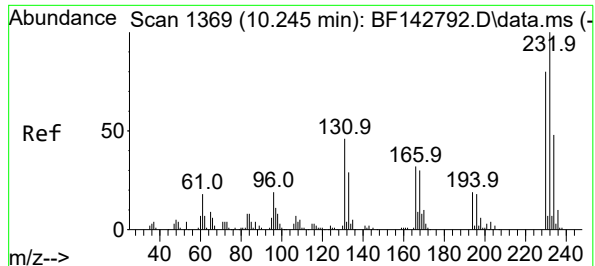
Tgt Ion:165 Resp: 93317
Ion Ratio Lower Upper
165 100
63 46.8 33.9 50.9
89 65.2 50.6 75.8
182 2.7 2.3 3.5



#58
Fluorene
Concen: 44.271 ng
RT: 10.469 min Scan# 1407
Delta R.T. -0.006 min
Lab File: BF142989.D
Acq: 03 Jul 2025 10:55

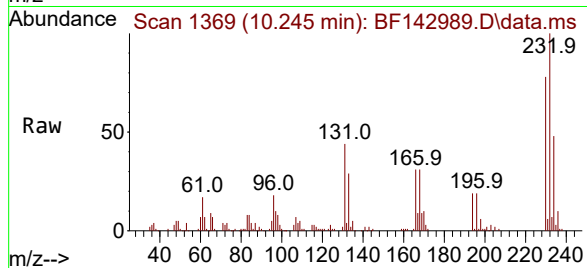
Tgt Ion:166 Resp: 326251
Ion Ratio Lower Upper
166 100
165 94.6 75.2 112.8
167 13.4 10.6 15.8



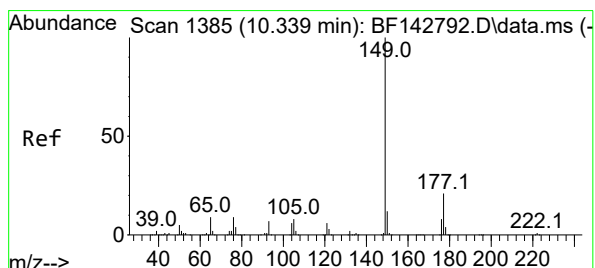
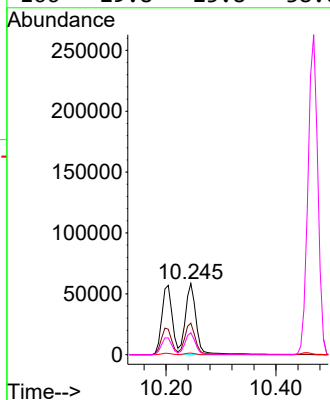
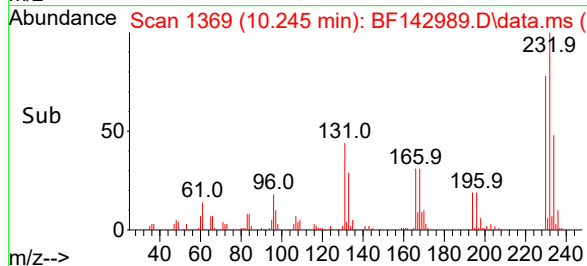


#59
2,3,4,6-Tetrachlorophenol
Concen: 43.370 ng
RT: 10.245 min Scan# 1369
Delta R.T. 0.000 min
Lab File: BF142989.D
Acq: 03 Jul 2025 10:55

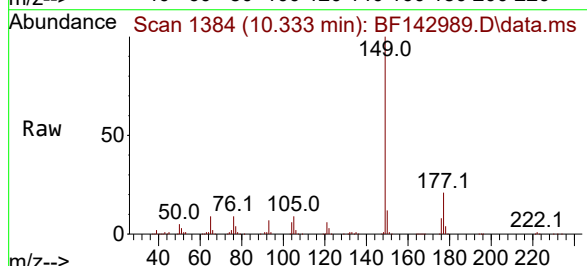
Instrument :
BNA_F
ClientSampleId :
PB168694BS



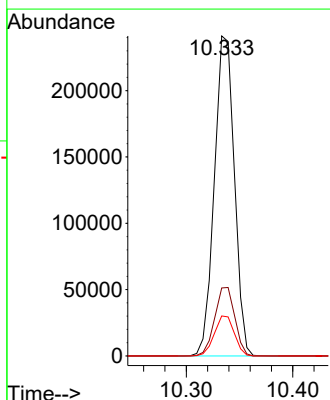
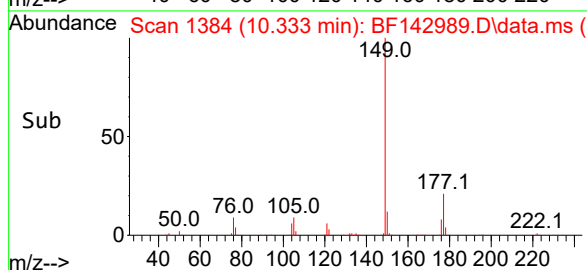
Tgt Ion:232 Resp: 78199
Ion Ratio Lower Upper
232 100
131 44.3 37.6 56.4
130 2.2 1.7 2.5
166 29.8 25.8 38.6

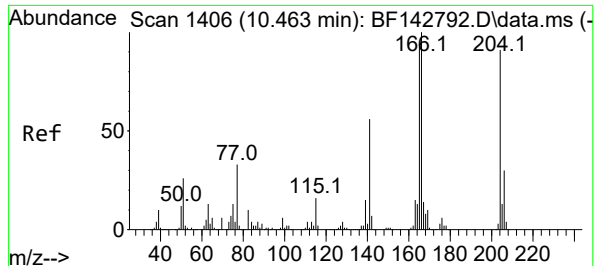


#60
Diethylphthalate
Concen: 44.801 ng
RT: 10.333 min Scan# 1384
Delta R.T. -0.006 min
Lab File: BF142989.D
Acq: 03 Jul 2025 10:55



Tgt Ion:149 Resp: 314250
Ion Ratio Lower Upper
149 100
177 21.2 17.0 25.6
150 12.5 9.8 14.6

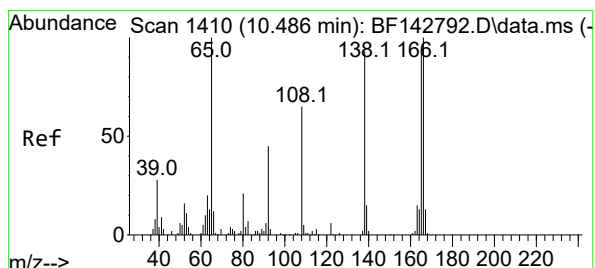
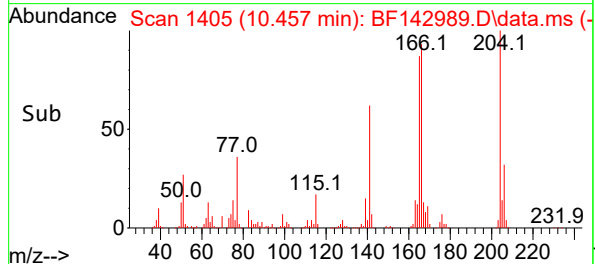
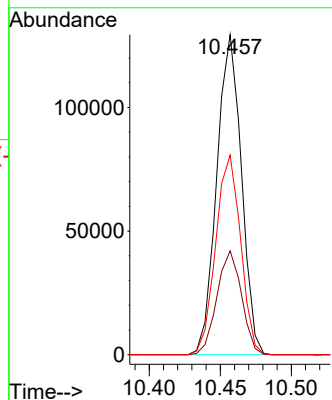
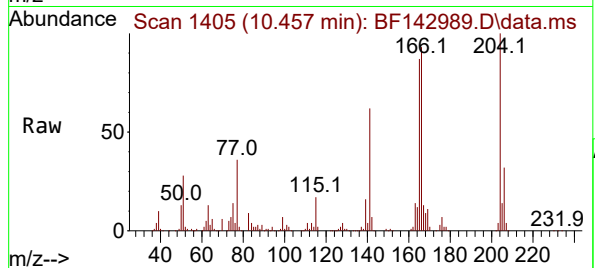




#61
4-Chlorophenyl-phenylether
Concen: 44.341 ng
RT: 10.457 min Scan# 1406
Delta R.T. -0.006 min
Lab File: BF142989.D
Acq: 03 Jul 2025 10:55

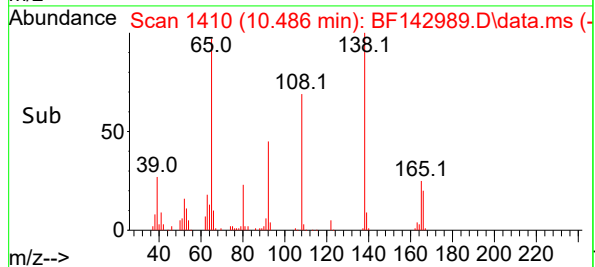
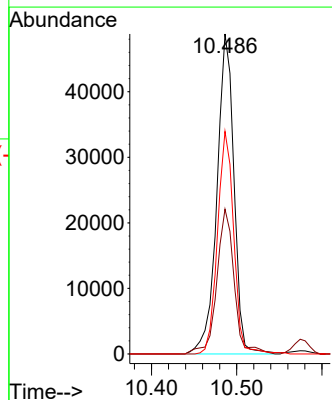
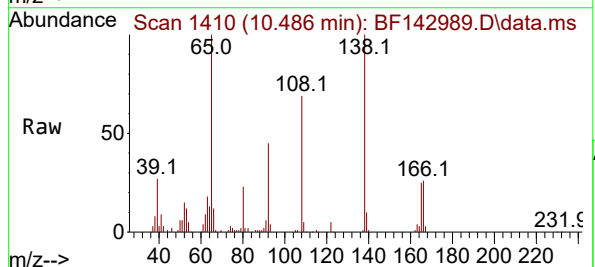
Instrument :
BNA_F
ClientSampleId :
PB168694BS

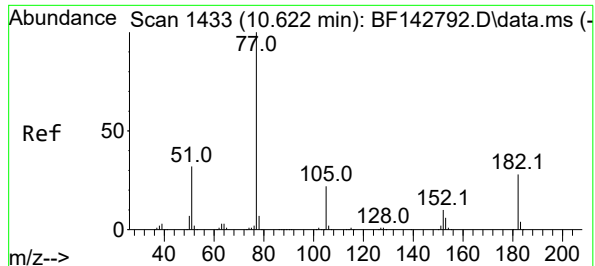
Tgt Ion:204 Resp: 155928
Ion Ratio Lower Upper
204 100
206 32.5 26.3 39.5
141 62.4 49.1 73.7



#62
4-Nitroaniline
Concen: 43.089 ng
RT: 10.486 min Scan# 1410
Delta R.T. -0.000 min
Lab File: BF142989.D
Acq: 03 Jul 2025 10:55

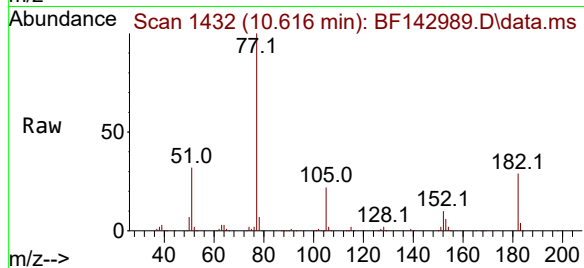
Tgt Ion:138 Resp: 68167
Ion Ratio Lower Upper
138 100
92 45.2 28.4 68.4
108 69.6 50.2 90.2



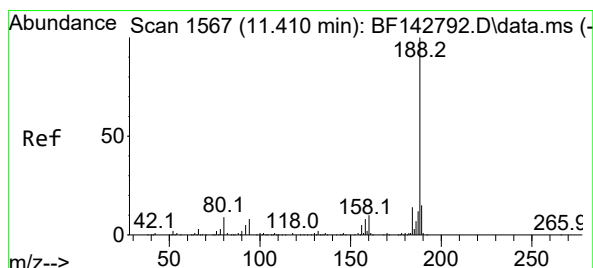
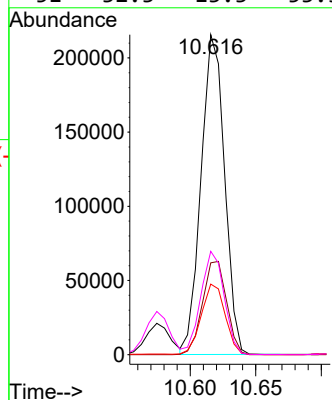
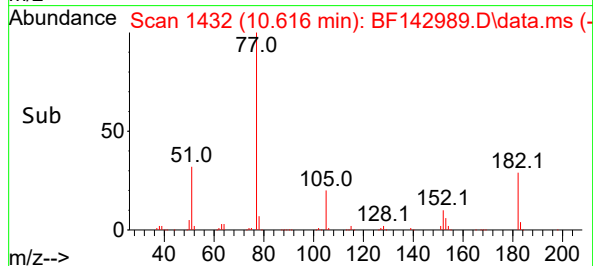


#63
Azobenzene
Concen: 42.994 ng
RT: 10.616 min Scan# 1432
Delta R.T. -0.006 min
Lab File: BF142989.D
Acq: 03 Jul 2025 10:55

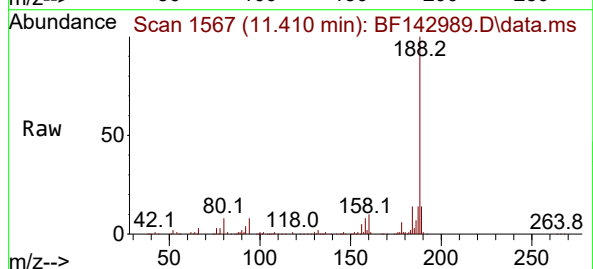
Instrument :
BNA_F
ClientSampleId :
PB168694BS



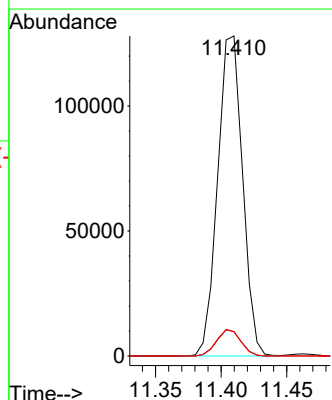
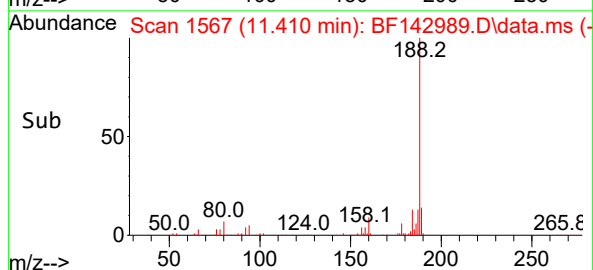
Tgt Ion: 77 Resp: 269537
Ion Ratio Lower Upper
77 100
182 28.7 7.7 47.7
105 22.0 1.9 41.9
51 32.3 13.3 53.3

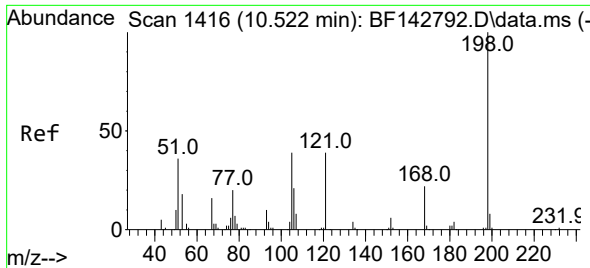


#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.410 min Scan# 1567
Delta R.T. 0.000 min
Lab File: BF142989.D
Acq: 03 Jul 2025 10:55



Tgt Ion: 188 Resp: 169244
Ion Ratio Lower Upper
188 100
94 7.6 6.7 10.1
80 7.6 6.9 10.3

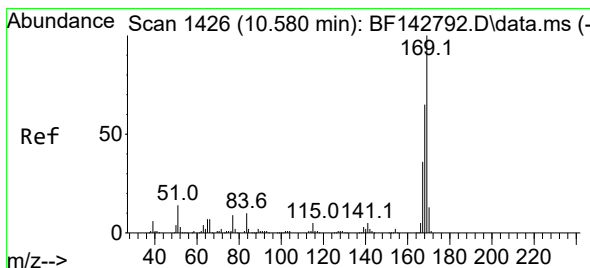
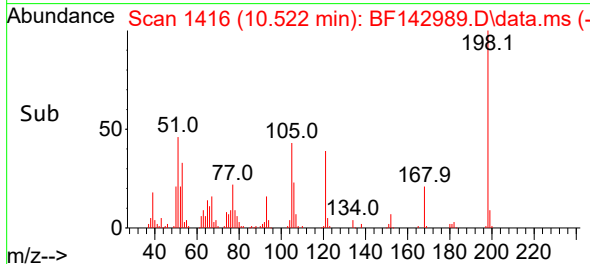
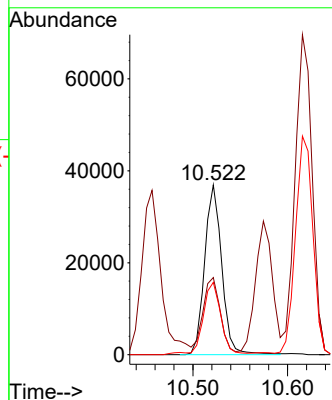
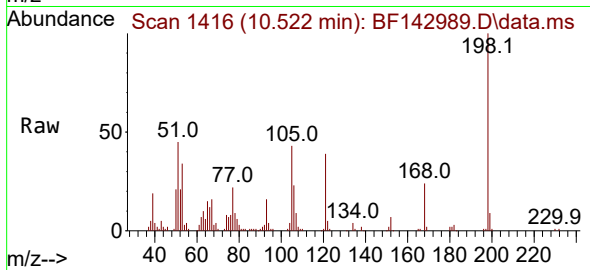




#65
4,6-Dinitro-2-methylphenol
Concen: 45.370 ng
RT: 10.522 min Scan# 1416
Delta R.T. 0.000 min
Lab File: BF142989.D
Acq: 03 Jul 2025 10:55

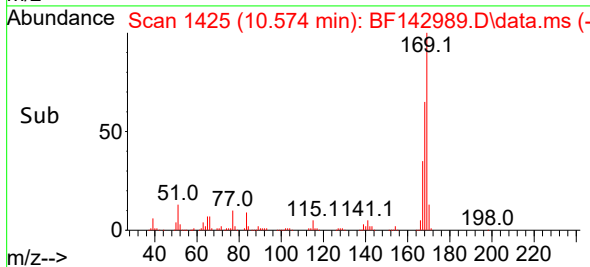
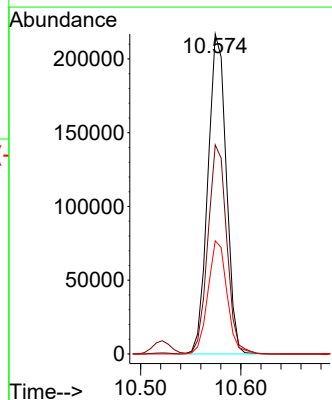
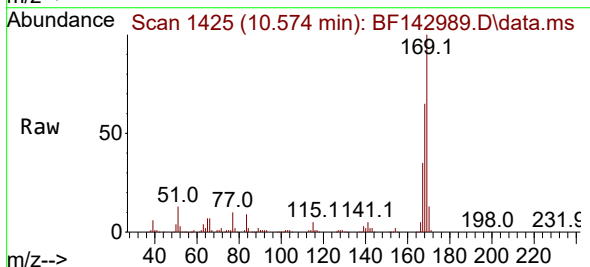
Instrument :
BNA_F
ClientSampleId :
PB168694BS

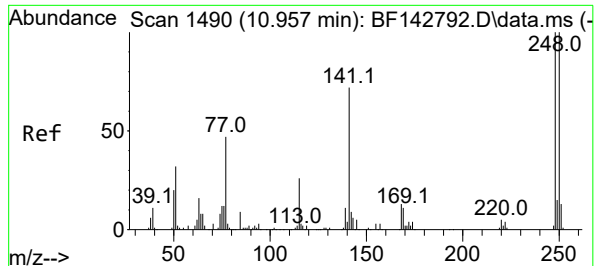
Tgt Ion	Ratio	Lower	Upper
198	100		
51	45.4	25.4	65.4
105	42.6	20.4	60.4



#66
n-Nitrosodiphenylamine
Concen: 47.197 ng
RT: 10.574 min Scan# 1425
Delta R.T. -0.006 min
Lab File: BF142989.D
Acq: 03 Jul 2025 10:55

Tgt Ion	Ratio	Lower	Upper
169	100		
168	65.3	51.9	77.9
167	35.3	28.5	42.7

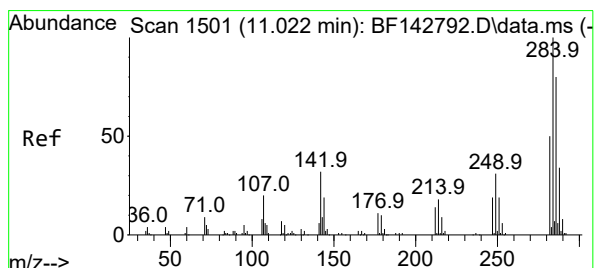
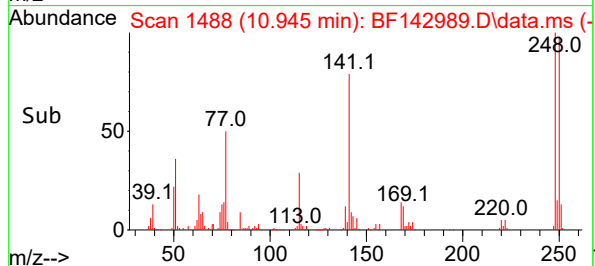
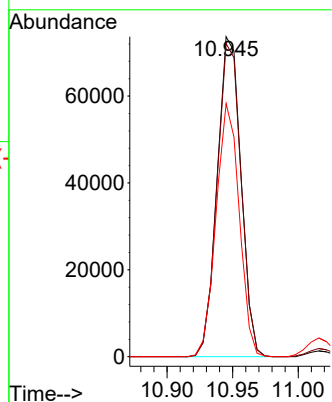
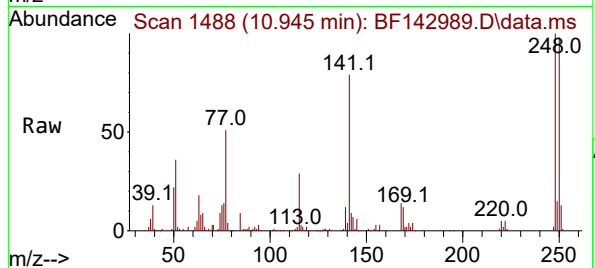




#67
4-Bromophenyl-phenylether
Concen: 48.379 ng
RT: 10.945 min Scan# 1488
Delta R.T. -0.012 min
Lab File: BF142989.D
Acq: 03 Jul 2025 10:55

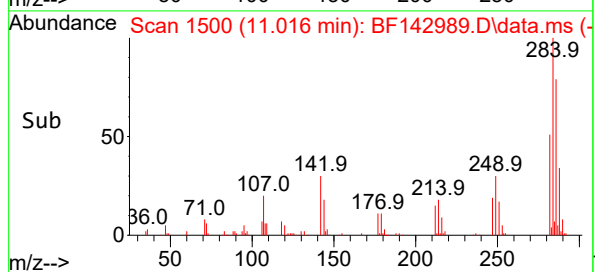
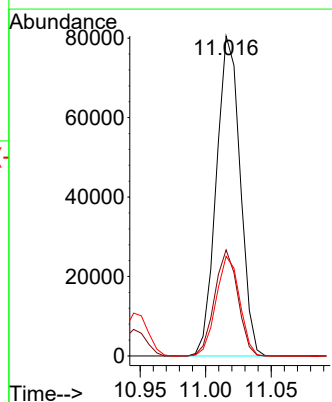
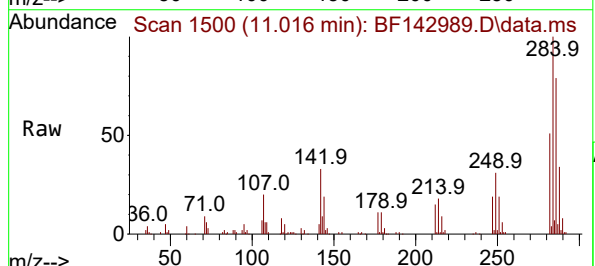
Instrument :
BNA_F
ClientSampleId :
PB168694BS

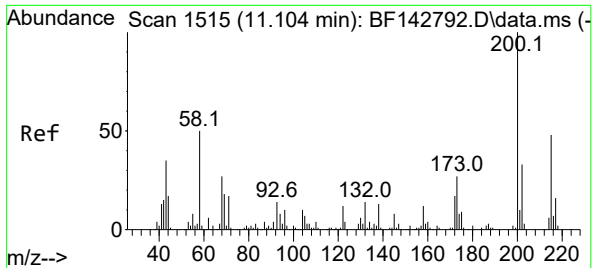
Tgt Ion:248 Resp: 93186
Ion Ratio Lower Upper
248 100
250 97.9 79.8 119.8
141 79.1 57.8 86.6



#68
Hexachlorobenzene
Concen: 47.444 ng
RT: 11.016 min Scan# 1500
Delta R.T. -0.006 min
Lab File: BF142989.D
Acq: 03 Jul 2025 10:55

Tgt Ion:284 Resp: 101543
Ion Ratio Lower Upper
284 100
142 33.1 25.5 38.3
249 31.1 24.9 37.3





#69

Atrazine

Concen: 52.689 ng

RT: 11.104 min Scan# 1515

Delta R.T. 0.000 min

Lab File: BF142989.D

Acq: 03 Jul 2025 10:55

Instrument :

BNA_F

ClientSampleId :

PB168694BS

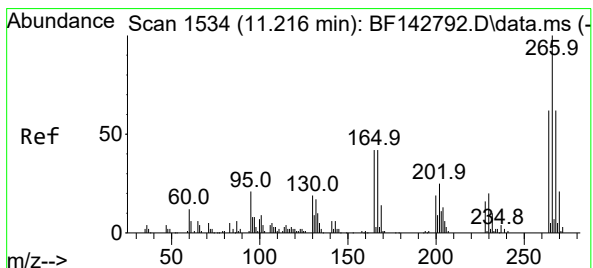
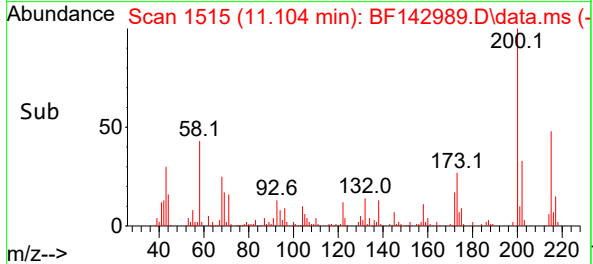
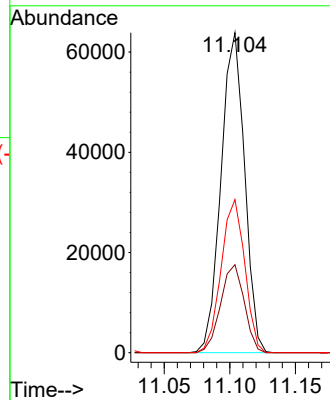
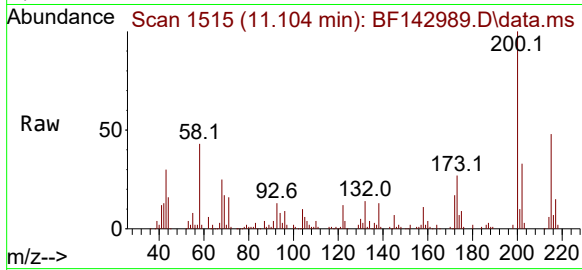
Tgt Ion:200 Resp: 79807

Ion Ratio Lower Upper

200 100

173 27.5 7.4 47.4

215 47.9 28.4 68.4



#70

Pentachlorophenol

Concen: 86.170 ng

RT: 11.216 min Scan# 1534

Delta R.T. -0.000 min

Lab File: BF142989.D

Acq: 03 Jul 2025 10:55

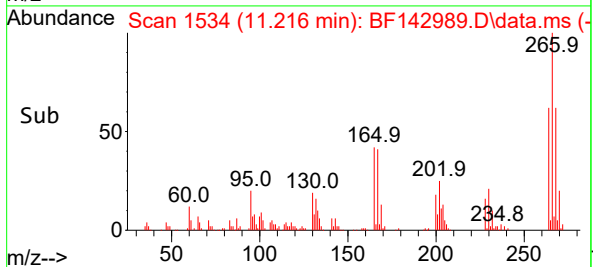
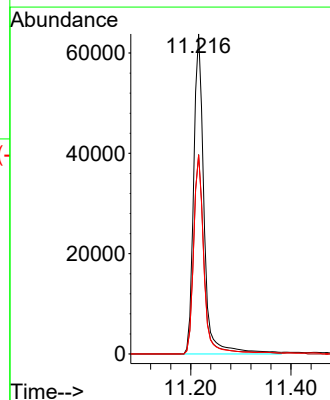
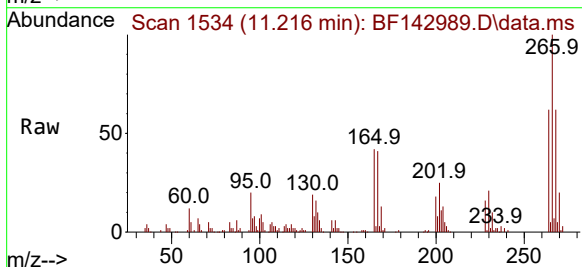
Tgt Ion:266 Resp: 91900

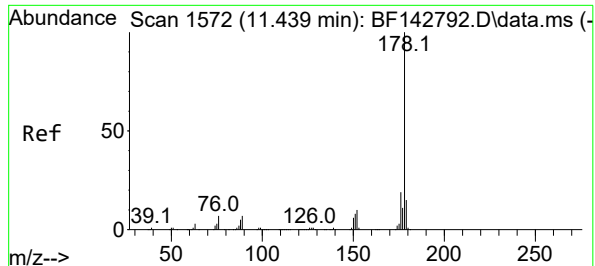
Ion Ratio Lower Upper

266 100

268 62.3 49.8 74.8

264 62.1 49.9 74.9

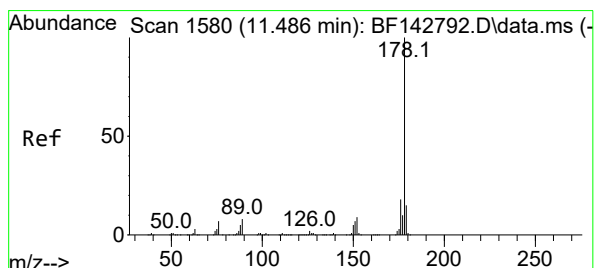
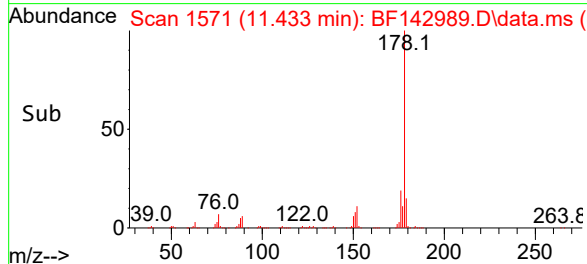
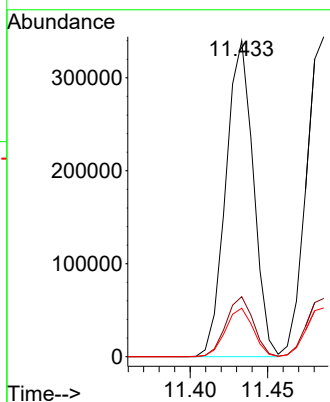
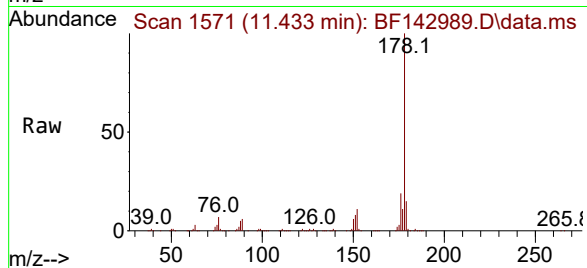




#71
Phenanthrene
Concen: 45.776 ng
RT: 11.433 min Scan# 1572
Delta R.T. -0.006 min
Lab File: BF142989.D
Acq: 03 Jul 2025 10:55

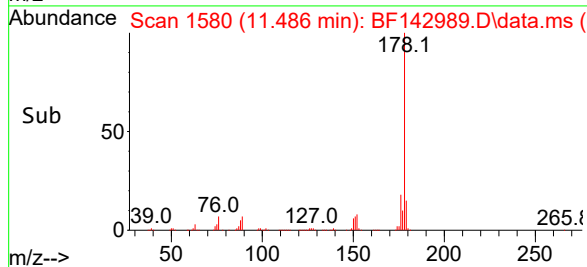
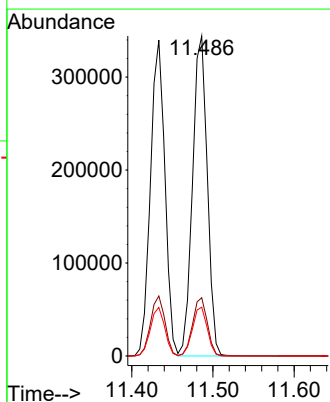
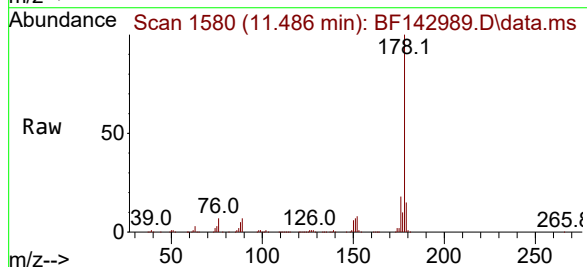
Instrument :
BNA_F
ClientSampleId :
PB168694BS

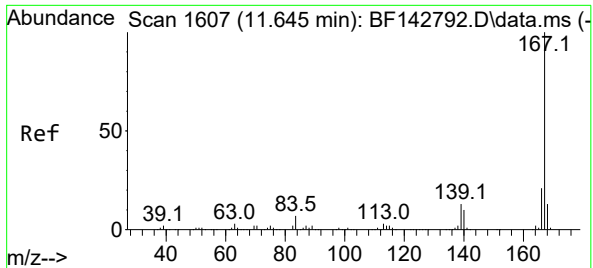
Tgt Ion:178 Resp: 419673
Ion Ratio Lower Upper
178 100
176 19.0 15.1 22.7
179 15.4 12.0 18.0



#72
Anthracene
Concen: 46.255 ng
RT: 11.486 min Scan# 1580
Delta R.T. 0.000 min
Lab File: BF142989.D
Acq: 03 Jul 2025 10:55

Tgt Ion:178 Resp: 434911
Ion Ratio Lower Upper
178 100
176 18.2 14.6 21.8
179 15.3 12.4 18.6





#73

Carbazole

Concen: 46.001 ng

RT: 11.639 min Scan# 1

Delta R.T. -0.006 min

Lab File: BF142989.D

Acq: 03 Jul 2025 10:55

Instrument :

BNA_F

ClientSampleId :

PB168694BS

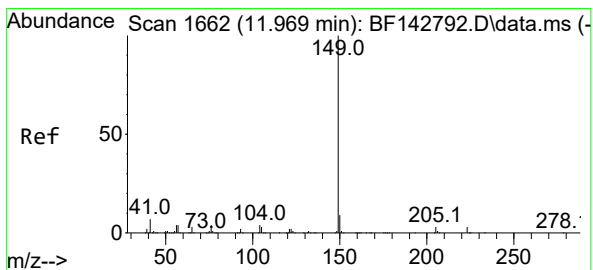
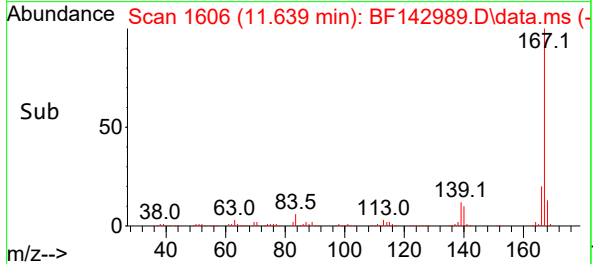
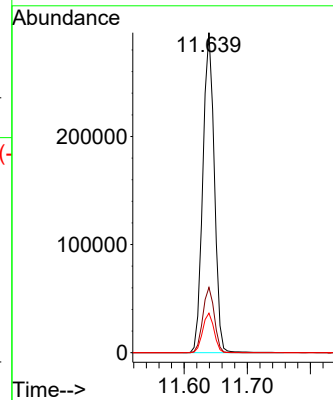
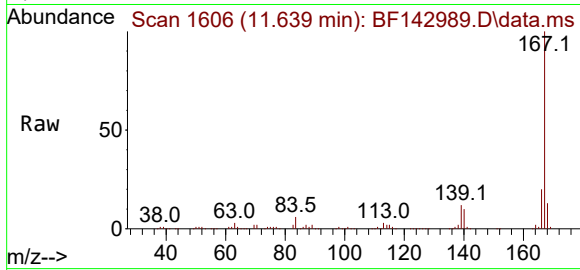
Tgt Ion:167 Resp: 373256

Ion Ratio Lower Upper

167 100

166 20.4 17.0 25.4

139 12.3 10.2 15.2



#74

Di-n-butylphthalate

Concen: 51.920 ng

RT: 11.963 min Scan# 1661

Delta R.T. -0.006 min

Lab File: BF142989.D

Acq: 03 Jul 2025 10:55

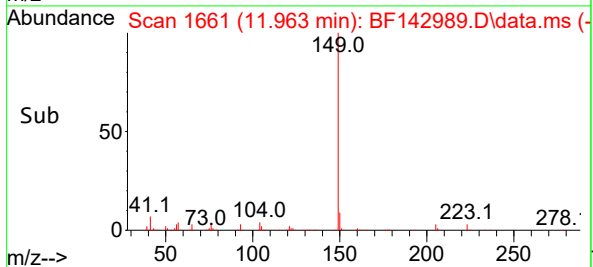
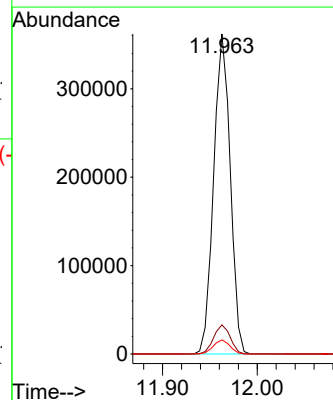
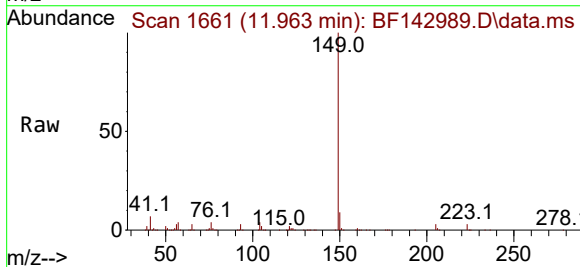
Tgt Ion:149 Resp: 438865

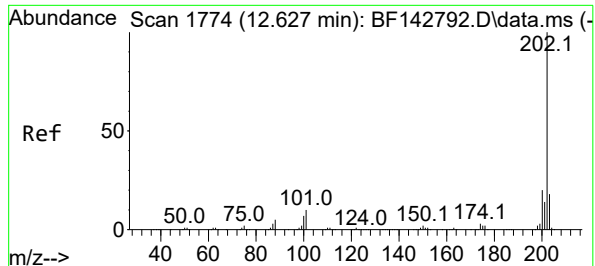
Ion Ratio Lower Upper

149 100

150 9.1 7.4 11.0

104 4.4 3.5 5.3





#75

Fluoranthene

Concen: 45.955 ng

RT: 12.621 min Scan# 1774

Delta R.T. -0.006 min

Lab File: BF142989.D

Acq: 03 Jul 2025 10:55

Instrument :

BNA_F

ClientSampleId :

PB168694BS

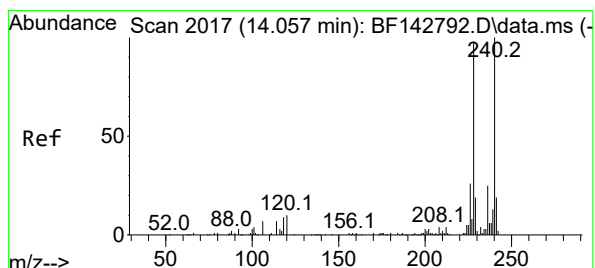
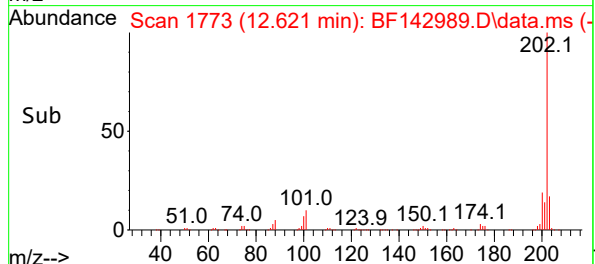
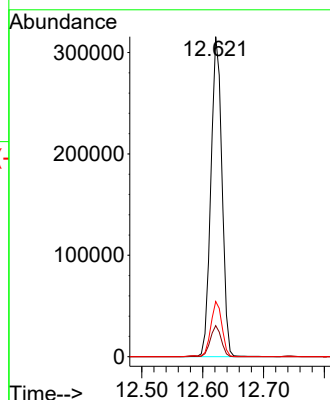
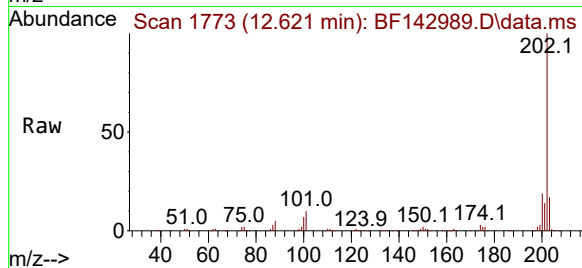
Tgt Ion:202 Resp: 399844

Ion Ratio Lower Upper

202 100

101 9.7 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: BF142989.D

Acq: 03 Jul 2025 10:55

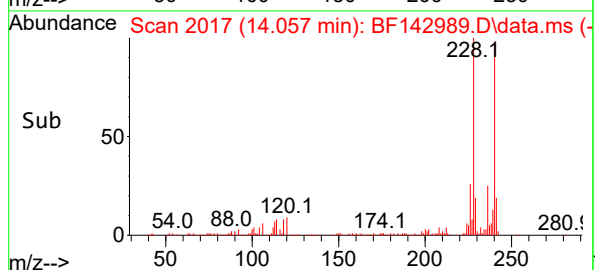
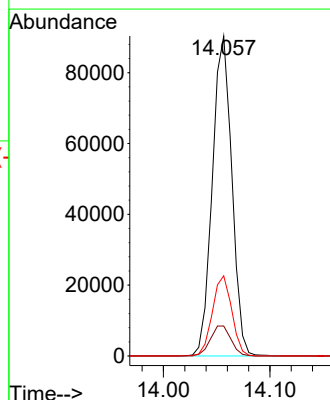
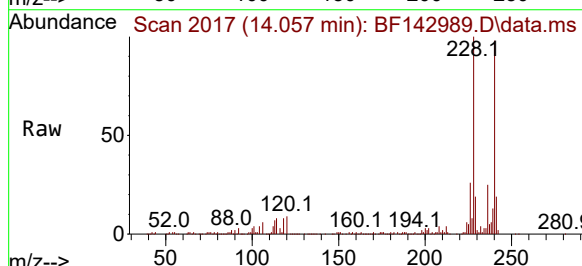
Tgt Ion:240 Resp: 114618

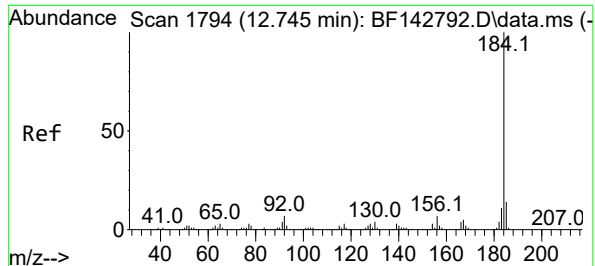
Ion Ratio Lower Upper

240 100

120 9.4 8.2 12.2

236 25.0 19.8 29.8





#77

Benzidine

Concen: 36.562 ng

RT: 12.745 min Scan# 11

Delta R.T. 0.000 min

Lab File: BF142989.D

Acq: 03 Jul 2025 10:55

Instrument :

BNA_F

ClientSampleId :

PB168694BS

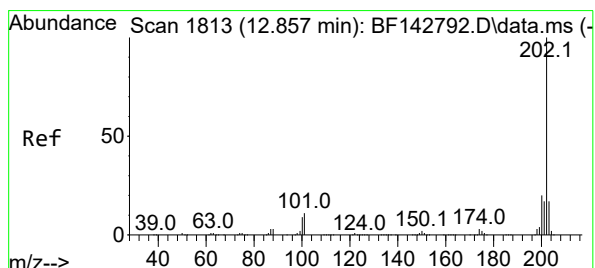
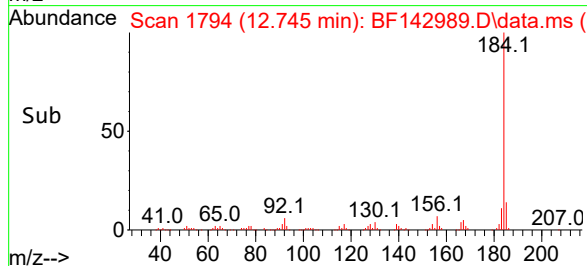
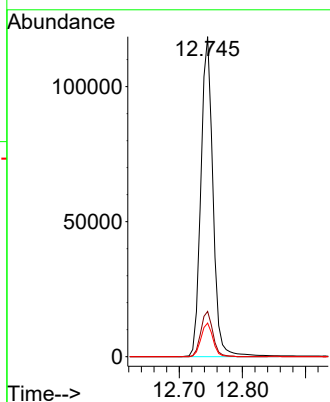
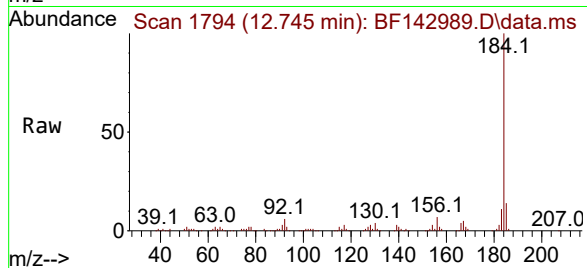
Tgt Ion:184 Resp: 157448

Ion Ratio Lower Upper

184 100

185 14.1 11.5 17.3

183 10.5 9.0 13.4



#78

Pyrene

Concen: 37.354 ng

RT: 12.851 min Scan# 1812

Delta R.T. -0.006 min

Lab File: BF142989.D

Acq: 03 Jul 2025 10:55

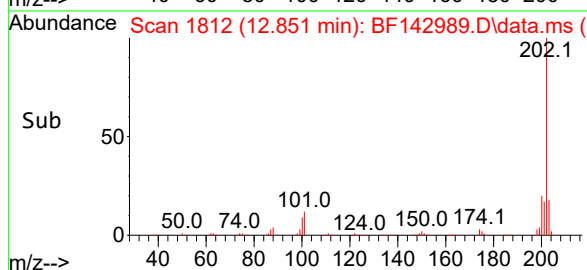
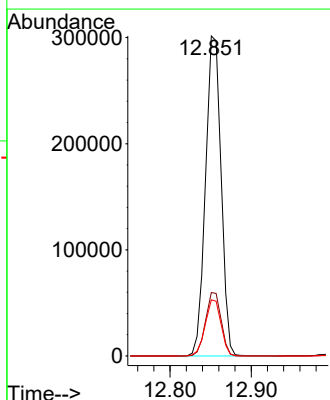
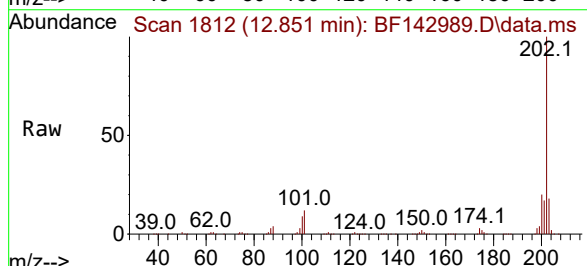
Tgt Ion:202 Resp: 401315

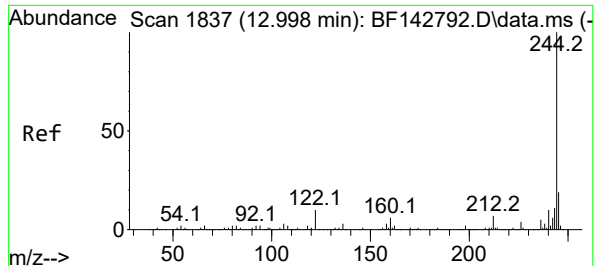
Ion Ratio Lower Upper

202 100

200 19.8 15.7 23.5

203 17.6 13.8 20.6





#79

Terphenyl-d14

Concen: 67.742 ng

RT: 12.992 min Scan# 1836

Delta R.T. -0.006 min

Lab File: BF142989.D

Acq: 03 Jul 2025 10:55

Instrument :

BNA_F

ClientSampleId :

PB168694BS

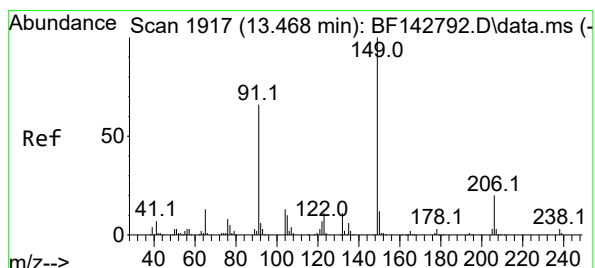
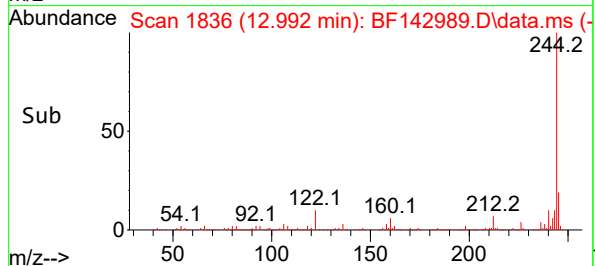
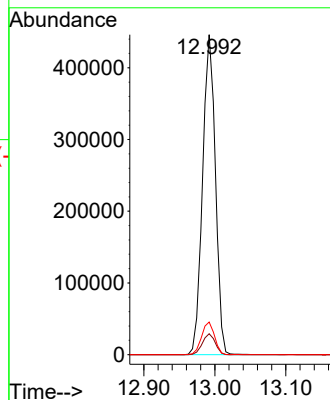
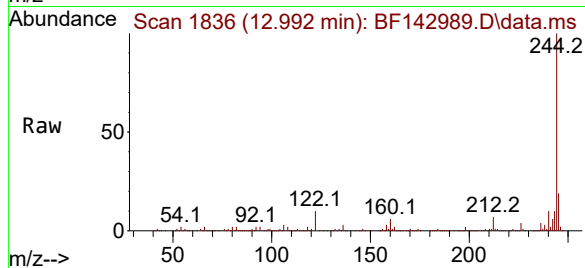
Tgt Ion:244 Resp: 561947

Ion Ratio Lower Upper

244 100

212 6.5 5.4 8.0

122 10.2 8.2 12.2



#80

Butylbenzylphthalate

Concen: 53.089 ng

RT: 13.463 min Scan# 1916

Delta R.T. -0.006 min

Lab File: BF142989.D

Acq: 03 Jul 2025 10:55

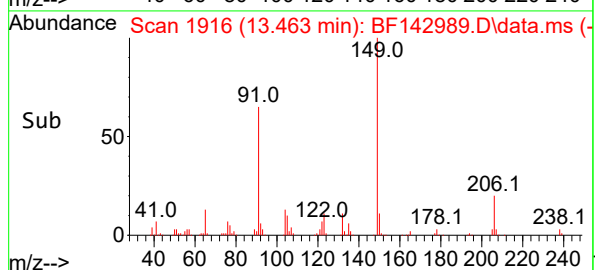
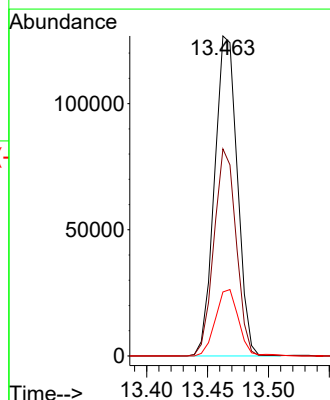
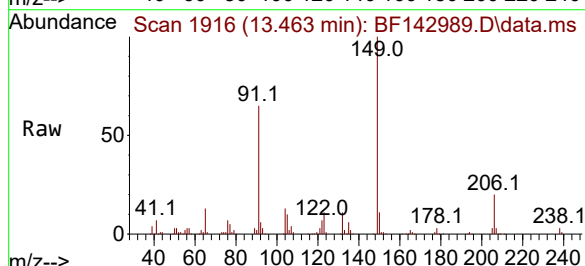
Tgt Ion:149 Resp: 165448

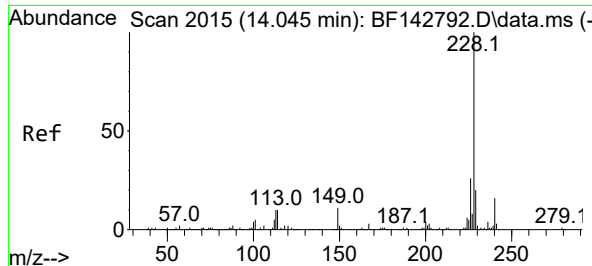
Ion Ratio Lower Upper

149 100

91 64.7 52.9 79.3

206 20.0 16.3 24.5

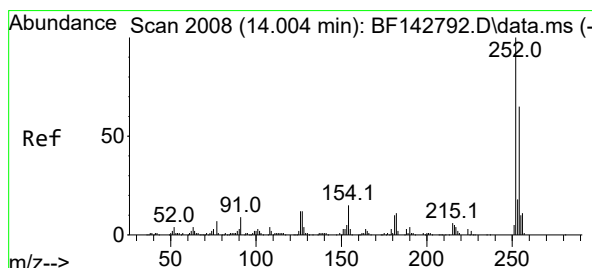
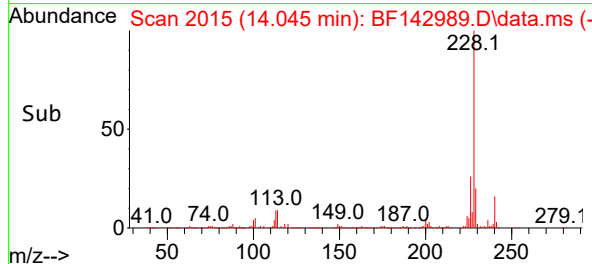
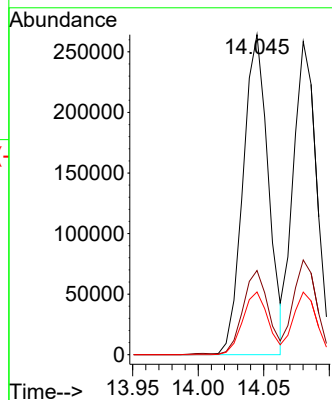
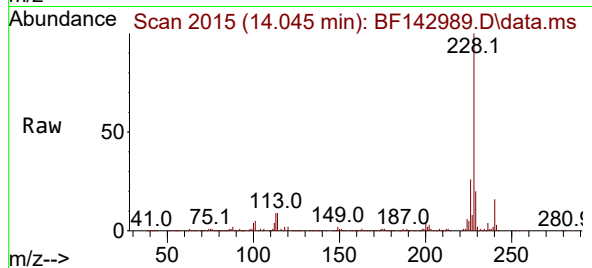




#81
Benzo(a)anthracene
Concen: 45.965 ng
RT: 14.045 min Scan# 2015
Delta R.T. 0.000 min
Lab File: BF142989.D
Acq: 03 Jul 2025 10:55

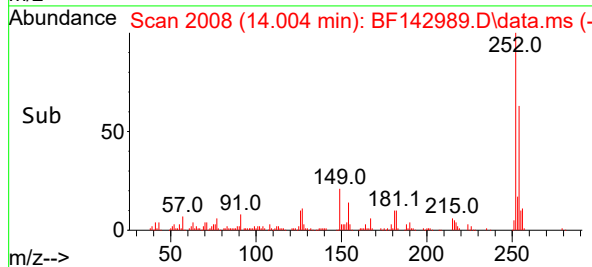
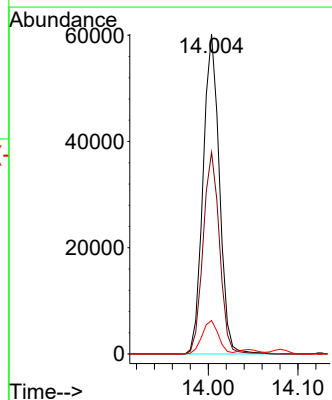
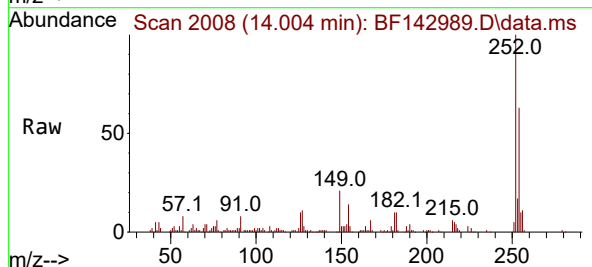
Instrument :
BNA_F
ClientSampleId :
PB168694BS

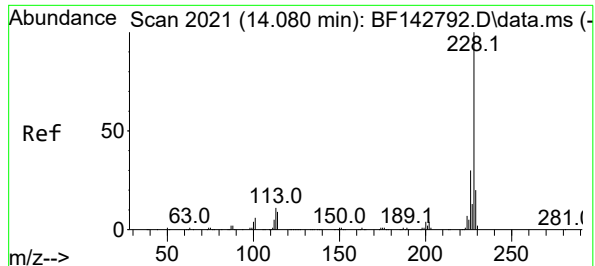
Tgt Ion:228 Resp: 355412
Ion Ratio Lower Upper
228 100
226 26.3 21.2 31.8
229 19.6 15.6 23.4



#82
3,3'-Dichlorobenzidine
Concen: 30.298 ng
RT: 14.004 min Scan# 2008
Delta R.T. 0.000 min
Lab File: BF142989.D
Acq: 03 Jul 2025 10:55

Tgt Ion:252 Resp: 75988
Ion Ratio Lower Upper
252 100
254 63.0 51.7 77.5
126 10.4 9.4 14.2





#83

Chrysene

Concen: 46.140 ng

RT: 14.080 min Scan# 20

Delta R.T. 0.000 min

Lab File: BF142989.D

Acq: 03 Jul 2025 10:55

Instrument :

BNA_F

ClientSampleId :

PB168694BS

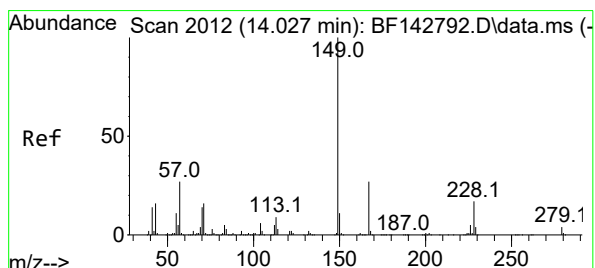
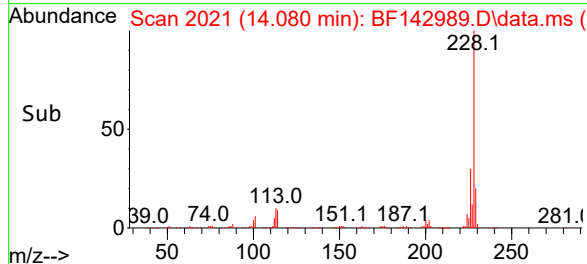
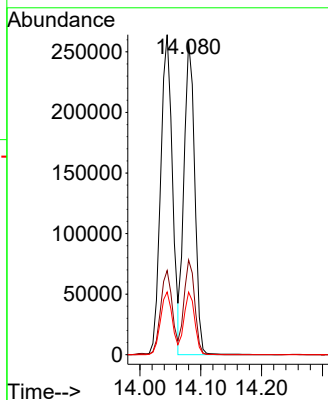
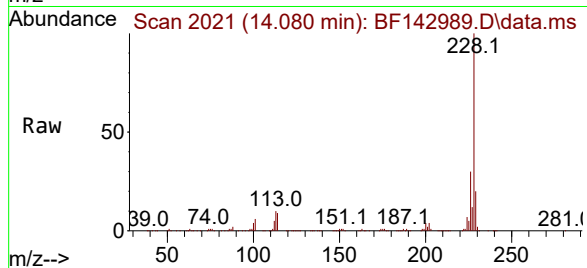
Tgt Ion:228 Resp: 318351

Ion Ratio Lower Upper

228 100

226 30.3 23.7 35.5

229 20.0 15.7 23.5



#84

Bis(2-ethylhexyl)phthalate

Concen: 54.687 ng

RT: 14.021 min Scan# 2011

Delta R.T. -0.006 min

Lab File: BF142989.D

Acq: 03 Jul 2025 10:55

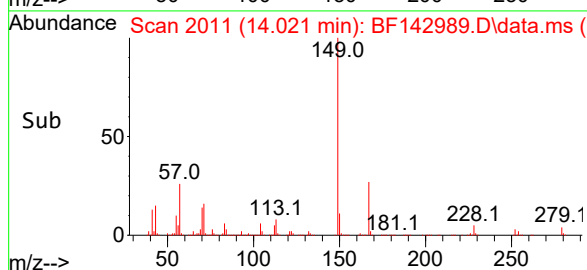
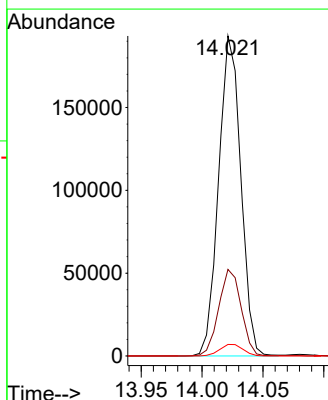
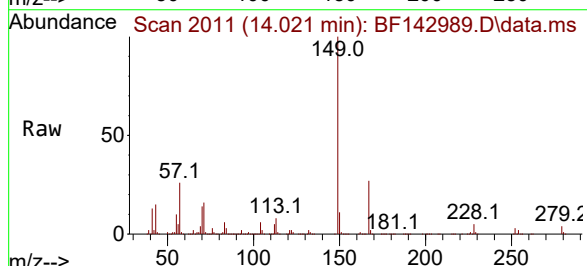
Tgt Ion:149 Resp: 245209

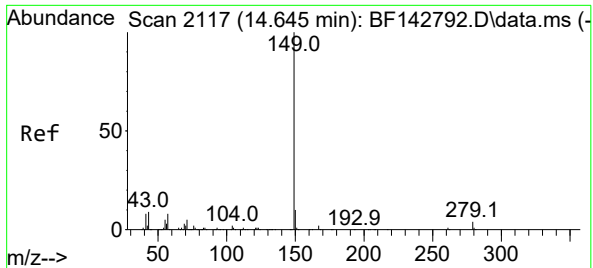
Ion Ratio Lower Upper

149 100

167 27.1 21.4 32.0

279 3.6 3.0 4.6

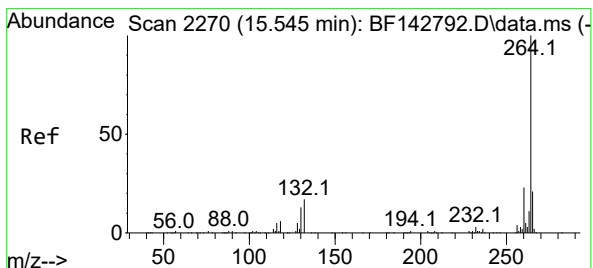
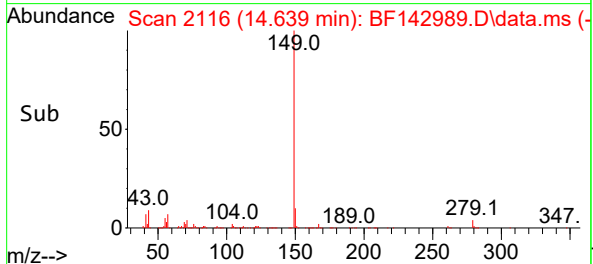
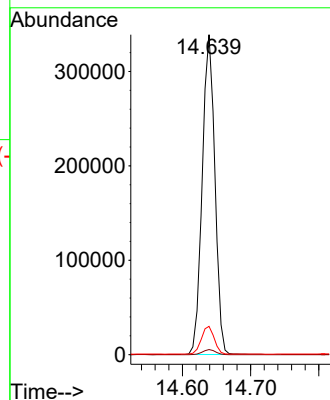
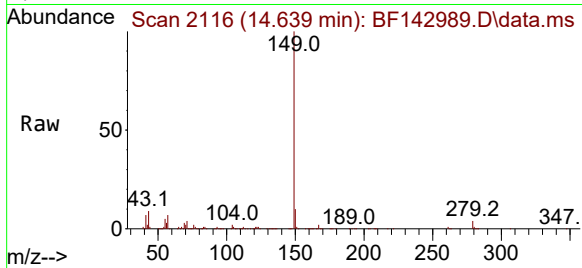




#85
Di-n-octyl phthalate
Concen: 51.745 ng
RT: 14.639 min Scan# 2117
Delta R.T. -0.006 min
Lab File: BF142989.D
Acq: 03 Jul 2025 10:55

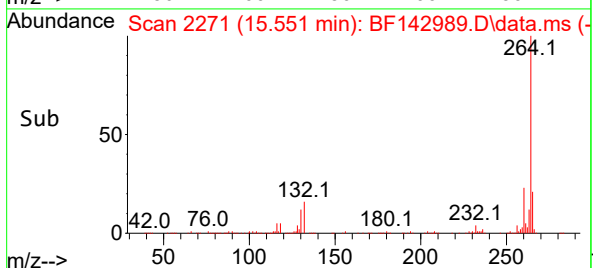
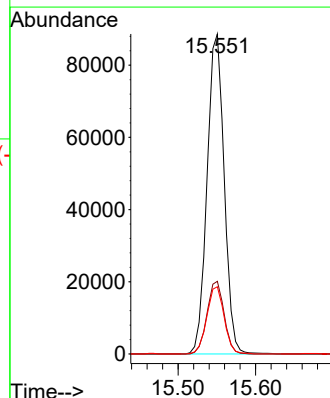
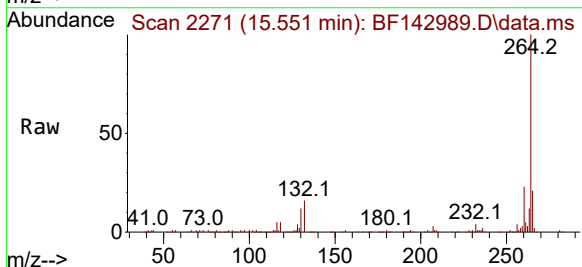
Instrument :
BNA_F
ClientSampleId :
PB168694BS

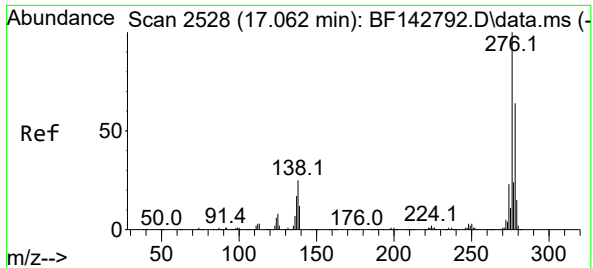
Tgt Ion:149 Resp: 437495
Ion Ratio Lower Upper
149 100
167 1.6 1.3 1.9
43 8.8 7.6 11.4



#86
Perylene-d12
Concen: 20.000 ng
RT: 15.551 min Scan# 2271
Delta R.T. 0.006 min
Lab File: BF142989.D
Acq: 03 Jul 2025 10:55

Tgt Ion:264 Resp: 135774
Ion Ratio Lower Upper
264 100
260 22.7 18.1 27.1
265 21.0 16.6 25.0





#87

Indeno(1,2,3-cd)pyrene

Concen: 41.610 ng

RT: 17.074 min Scan# 2196

Delta R.T. 0.012 min

Lab File: BF142989.D

Acq: 03 Jul 2025 10:55

Instrument :

BNA_F

ClientSampleId :

PB168694BS

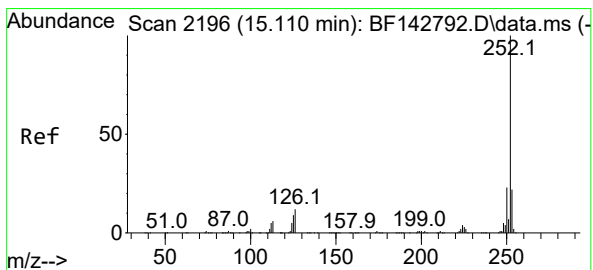
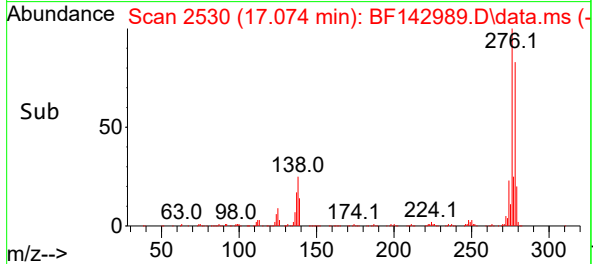
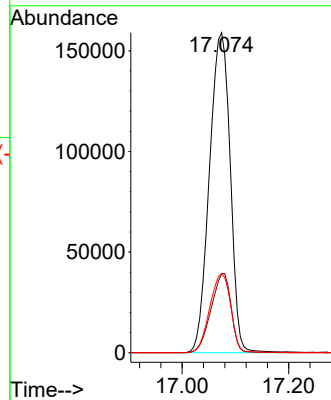
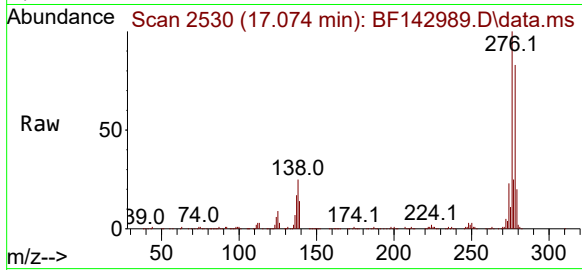
Tgt Ion:276 Resp: 430318

Ion Ratio Lower Upper

276 100

138 24.0 20.2 30.4

277 24.9 19.8 29.6



#88

Benzo(b)fluoranthene

Concen: 51.165 ng

RT: 15.109 min Scan# 2196

Delta R.T. -0.000 min

Lab File: BF142989.D

Acq: 03 Jul 2025 10:55

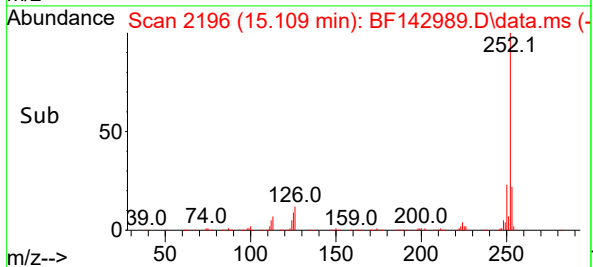
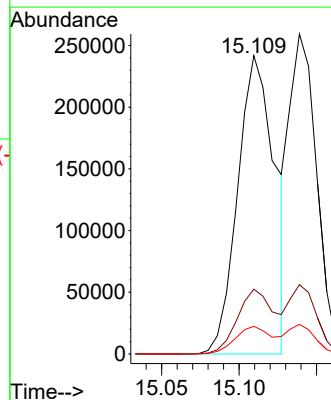
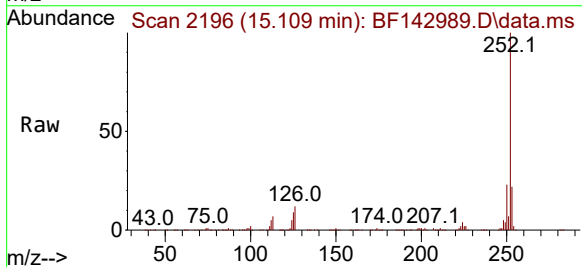
Tgt Ion:252 Resp: 401978

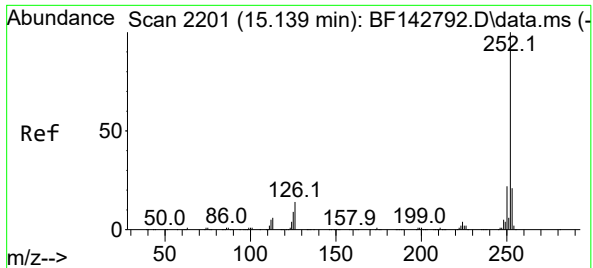
Ion Ratio Lower Upper

252 100

253 21.7 17.5 26.3

125 9.3 7.4 11.0





#89

Benzo(k)fluoranthene

Concen: 43.476 ng

RT: 15.139 min Scan# 21

Delta R.T. 0.000 min

Lab File: BF142989.D

Acq: 03 Jul 2025 10:55

Instrument :

BNA_F

ClientSampleId :

PB168694BS

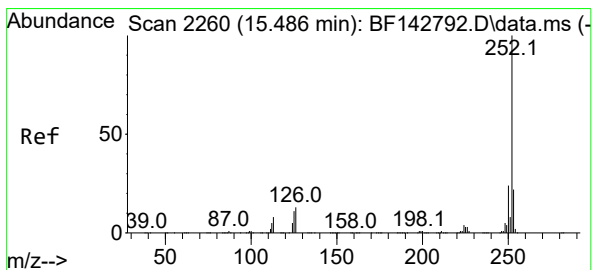
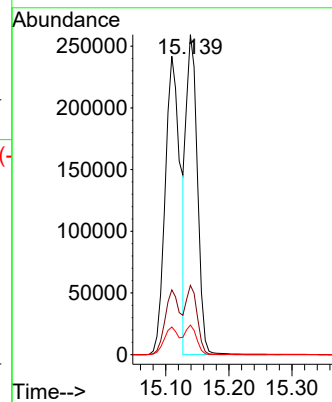
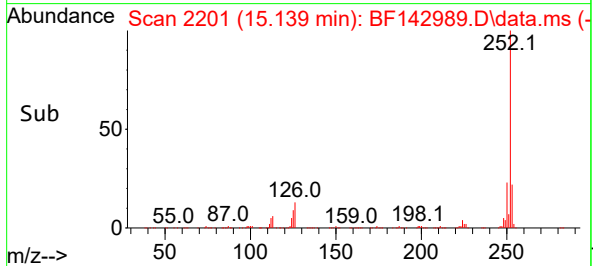
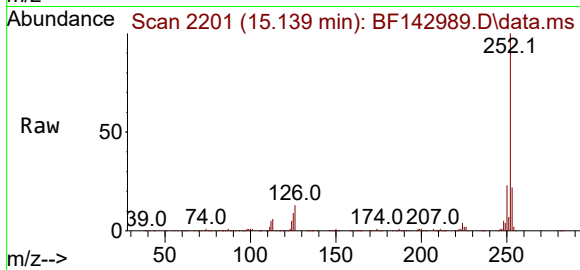
Tgt Ion:252 Resp: 319565

Ion Ratio Lower Upper

252 100

253 21.7 17.2 25.8

125 9.3 7.4 11.2



#90

Benzo(a)pyrene

Concen: 46.752 ng

RT: 15.486 min Scan# 2260

Delta R.T. 0.000 min

Lab File: BF142989.D

Acq: 03 Jul 2025 10:55

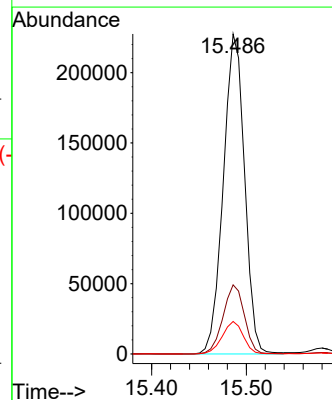
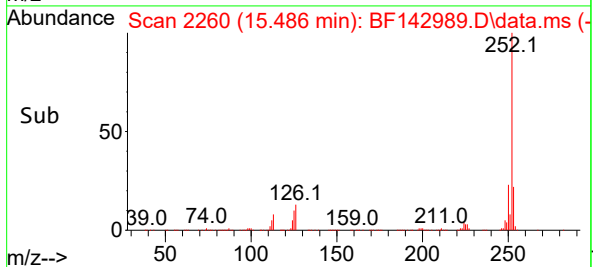
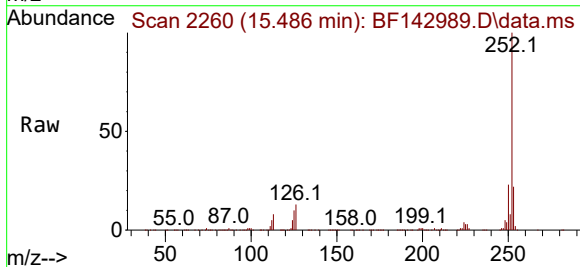
Tgt Ion:252 Resp: 354840

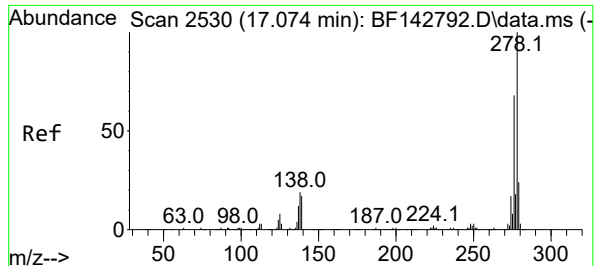
Ion Ratio Lower Upper

252 100

253 21.6 17.5 26.3

125 10.1 8.6 12.8





#91

Dibenzo(a,h)anthracene

Concen: 41.967 ng

RT: 17.086 min Scan# 21

Delta R.T. 0.012 min

Lab File: BF142989.D

Acq: 03 Jul 2025 10:55

Instrument :

BNA_F

ClientSampleId :

PB168694BS

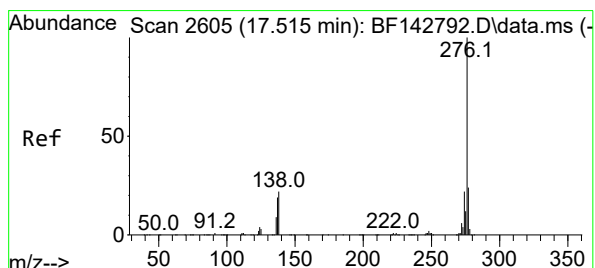
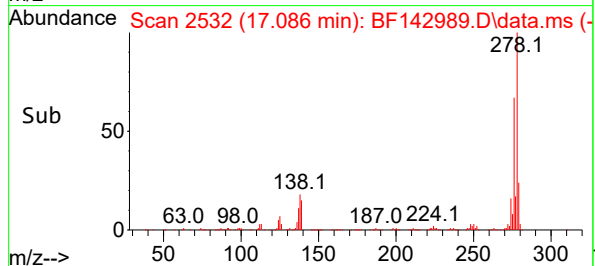
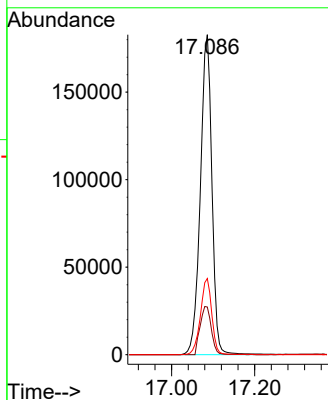
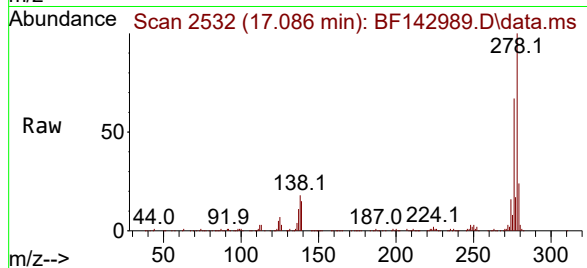
Tgt Ion:278 Resp: 352639

Ion Ratio Lower Upper

278 100

139 14.9 13.5 20.3

279 23.8 18.8 28.2



#92

Benzo(g,h,i)perylene

Concen: 40.661 ng

RT: 17.533 min Scan# 2608

Delta R.T. 0.018 min

Lab File: BF142989.D

Acq: 03 Jul 2025 10:55

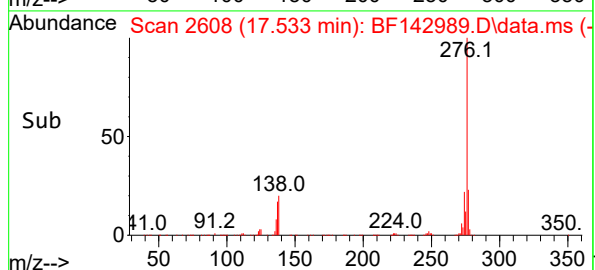
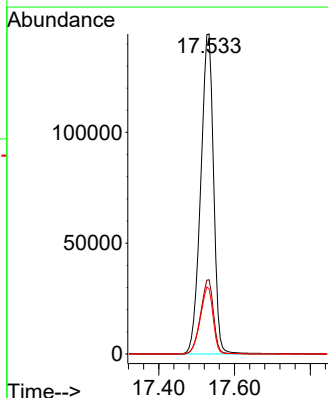
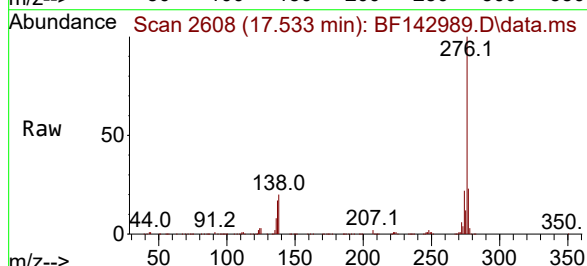
Tgt Ion:276 Resp: 340697

Ion Ratio Lower Upper

276 100

277 23.2 18.8 28.2

138 20.4 17.6 26.4



Report of Analysis

Client:	CDM Smith	Date Collected:	07/01/25
Project:	South River WM Replacement	Date Received:	07/01/25
Client Sample ID:	SOIL-PILEMS	SDG No.:	Q2484
Lab Sample ID:	Q2475-01MS	Matrix:	SOIL
Analytical Method:	8270E	% Solid:	79.7
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
BF142982.D	1	07/02/25 08:55	07/02/25 20:52	PB168694

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units(Dry Weight)
TARGETS						
100-52-7	Benzaldehyde	1300		120	250	ug/Kg
108-95-2	Phenol	1100		16.6	130	ug/Kg
111-44-4	bis(2-Chloroethyl)ether	1100		18.3	130	ug/Kg
95-57-8	2-Chlorophenol	1100		18.3	130	ug/Kg
95-48-7	2-Methylphenol	1200		22.5	130	ug/Kg
108-60-1	2,2-oxybis(1-Chloropropane)	1100		28.2	130	ug/Kg
98-86-2	Acetophenone	1200		22.2	130	ug/Kg
65794-96-9	3+4-Methylphenols	1200		30.9	250	ug/Kg
621-64-7	n-Nitroso-di-n-propylamine	1100		35.6	60.1	ug/Kg
67-72-1	Hexachloroethane	1100		13.2	130	ug/Kg
98-95-3	Nitrobenzene	1100		13.8	130	ug/Kg
78-59-1	Isophorone	1200		24.7	130	ug/Kg
88-75-5	2-Nitrophenol	1200		43.8	130	ug/Kg
105-67-9	2,4-Dimethylphenol	1100		48.7	130	ug/Kg
111-91-1	bis(2-Chloroethoxy)methane	1200		23.2	130	ug/Kg
120-83-2	2,4-Dichlorophenol	1200		21.3	130	ug/Kg
91-20-3	Naphthalene	1200		17.1	130	ug/Kg
106-47-8	4-Chloroaniline	590		26.6	130	ug/Kg
87-68-3	Hexachlorobutadiene	1200		19.0	130	ug/Kg
105-60-2	Caprolactam	1400		39.2	250	ug/Kg
59-50-7	4-Chloro-3-methylphenol	1200		21.6	130	ug/Kg
91-57-6	2-Methylnaphthalene	1200		19.2	130	ug/Kg
77-47-4	Hexachlorocyclopentadiene	1600		87.2	250	ug/Kg
88-06-2	2,4,6-Trichlorophenol	1200		14.9	130	ug/Kg
95-95-4	2,4,5-Trichlorophenol	1200		21.9	130	ug/Kg
92-52-4	1,1-Biphenyl	1200		16.4	130	ug/Kg
91-58-7	2-Chloronaphthalene	1200		16.9	130	ug/Kg
88-74-4	2-Nitroaniline	1200		36.2	130	ug/Kg
131-11-3	Dimethylphthalate	1300		20.4	130	ug/Kg

Report of Analysis

Client:	CDM Smith	Date Collected:	07/01/25
Project:	South River WM Replacement	Date Received:	07/01/25
Client Sample ID:	SOIL-PILEMS	SDG No.:	Q2484
Lab Sample ID:	Q2475-01MS	Matrix:	SOIL
Analytical Method:	8270E	% Solid:	79.7
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
BF142982.D	1	07/02/25 08:55	07/02/25 20:52	PB168694

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units(Dry Weight)
208-96-8	Acenaphthylene	1200		21.7	130	ug/Kg
606-20-2	2,6-Dinitrotoluene	1200		25.3	130	ug/Kg
99-09-2	3-Nitroaniline	780		34.6	130	ug/Kg
83-32-9	Acenaphthene	1300		16.0	130	ug/Kg
51-28-5	2,4-Dinitrophenol	2200	E	170	250	ug/Kg
100-02-7	4-Nitrophenol	2100	E	80.4	250	ug/Kg
132-64-9	Dibenzofuran	1200		17.1	130	ug/Kg
121-14-2	2,4-Dinitrotoluene	1200		37.7	130	ug/Kg
84-66-2	Diethylphthalate	1300		21.3	130	ug/Kg
7005-72-3	4-Chlorophenyl-phenylether	1200		20.1	130	ug/Kg
86-73-7	Fluorene	1200		19.0	130	ug/Kg
100-01-6	4-Nitroaniline	1200		48.3	130	ug/Kg
534-52-1	4,6-Dinitro-2-methylphenol	1200		77.4	250	ug/Kg
86-30-6	n-Nitrosodiphenylamine	1300		24.7	130	ug/Kg
101-55-3	4-Bromophenyl-phenylether	1300		20.9	130	ug/Kg
118-74-1	Hexachlorobenzene	1200		19.0	130	ug/Kg
1912-24-9	Atrazine	1500		25.6	130	ug/Kg
87-86-5	Pentachlorophenol	2300	E	38.6	250	ug/Kg
85-01-8	Phenanthrene	1500		15.7	130	ug/Kg
120-12-7	Anthracene	1200		25.0	130	ug/Kg
86-74-8	Carbazole	1200		23.5	130	ug/Kg
84-74-2	Di-n-butylphthalate	1500		36.0	130	ug/Kg
206-44-0	Fluoranthene	2100	E	22.6	130	ug/Kg
129-00-0	Pyrene	1400		27.1	130	ug/Kg
85-68-7	Butylbenzylphthalate	1300		53.7	130	ug/Kg
91-94-1	3,3-Dichlorobenzidine	740		27.6	250	ug/Kg
56-55-3	Benzo(a)anthracene	1500		17.3	130	ug/Kg
218-01-9	Chrysene	1600		15.0	130	ug/Kg
117-81-7	Bis(2-ethylhexyl)phthalate	1300		44.5	130	ug/Kg
117-84-0	Di-n-octyl phthalate	1100		65.3	250	ug/Kg
205-99-2	Benzo(b)fluoranthene	1800		14.3	130	ug/Kg

Report of Analysis

Client:	CDM Smith	Date Collected:	07/01/25
Project:	South River WM Replacement	Date Received:	07/01/25
Client Sample ID:	SOIL-PILEMS	SDG No.:	Q2484
Lab Sample ID:	Q2475-01MS	Matrix:	SOIL
Analytical Method:	8270E	% Solid:	79.7
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
BF142982.D	1	07/02/25 08:55	07/02/25 20:52	PB168694

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units(Dry Weight)
207-08-9	Benzo(k)fluoranthene	1600		16.8	130	ug/Kg
50-32-8	Benzo(a)pyrene	1500		22.2	130	ug/Kg
193-39-5	Indeno(1,2,3-cd)pyrene	890		21.9	130	ug/Kg
53-70-3	Dibenzo(a,h)anthracene	840		20.6	130	ug/Kg
191-24-2	Benzo(g,h,i)perylene	850		19.3	130	ug/Kg
95-94-3	1,2,4,5-Tetrachlorobenzene	1200		19.2	130	ug/Kg
123-91-1	1,4-Dioxane	890		34.0	130	ug/Kg
58-90-2	2,3,4,6-Tetrachlorophenol	1100		20.6	130	ug/Kg
SURROGATES						
367-12-4	2-Fluorophenol	70.7		18 - 112	47%	SPK: 150
13127-88-3	Phenol-d6	74.0		15 - 107	49%	SPK: 150
4165-60-0	Nitrobenzene-d5	46.8		18 - 107	47%	SPK: 100
321-60-8	2-Fluorobiphenyl	43.0		20 - 109	43%	SPK: 100
118-79-6	2,4,6-Tribromophenol	67.8		10 - 116	45%	SPK: 150
1718-51-0	Terphenyl-d14	33.5		10 - 105	33%	SPK: 100
INTERNAL STANDARDS						
3855-82-1	1,4-Dichlorobenzene-d4	59200	6.875			
1146-65-2	Naphthalene-d8	223000	8.157			
15067-26-2	Acenaphthene-d10	115000	9.916			
1517-22-2	Phenanthrene-d10	169000	11.404			
1719-03-5	Chrysene-d12	126000	14.057			
1520-96-3	Perylene-d12	103000	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\BF070225\
 Data File : BF142982.D
 Acq On : 02 Jul 2025 20:52
 Operator : RC/JU
 Sample : Q2475-01MS
 Misc :
 ALS Vial : 20 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 SOIL-PILEMS

Quant Time: Jul 03 01:09:03 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	59177	20.000	ng	0.00
21) Naphthalene-d8	8.157	136	222831	20.000	ng	-0.01
39) Acenaphthene-d10	9.916	164	115354	20.000	ng	0.00
64) Phenanthrene-d10	11.404	188	168872	20.000	ng	0.00
76) Chrysene-d12	14.057	240	125535	20.000	ng	0.00
86) Perylene-d12	15.545	264	103117	20.000	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.493	112	251153	70.661	ng	0.00
7) Phenol-d6	6.504	99	310182	73.969	ng	0.00
23) Nitrobenzene-d5	7.440	82	190246	46.830	ng	0.00
42) 2,4,6-Tribromophenol	10.710	330	80472	67.790	ng	0.00
45) 2-Fluorobiphenyl	9.234	172	377618	43.004	ng	-0.01
79) Terphenyl-d14	12.986	244	303952	33.455	ng	-0.01
Target Compounds						
						Qvalue
2) 1,4-Dioxane	2.646	88	50385	35.441	ng	99
3) Pyridine	3.416	79	138323	38.811	ng	98
4) n-Nitrosodimethylamine	3.369	42	78305	42.487	ng	99
6) Aniline	6.534	93	206267	36.967	ng	# 87
8) 2-Chlorophenol	6.657	128	174364	45.477	ng	98
9) Benzaldehyde	6.422	77	125658	50.508	ng	100
10) Phenol	6.522	94	206764	44.358	ng	89
11) bis(2-Chloroethyl)ether	6.604	93	148327	44.523	ng	97
12) 1,3-Dichlorobenzene	6.810	146	186383	43.466	ng	99
13) 1,4-Dichlorobenzene	6.892	146	193602	44.750	ng	99
14) 1,2-Dichlorobenzene	7.040	146	183230	44.653	ng	100
15) Benzyl Alcohol	7.016	79	140744	46.426	ng	98
16) 2,2'-oxybis(1-Chloropr...	7.145	45	225044	42.044	ng	88
17) 2-Methylphenol	7.128	107	134142	46.167	ng	98
18) Hexachloroethane	7.387	117	68120	45.017	ng	96
19) n-Nitroso-di-n-propyla...	7.287	70	111743	45.817	ng	97
20) 3+4-Methylphenols	7.281	107	170574	47.085	ng	93
22) Acetophenone	7.281	105	229876	46.781	ng	99
24) Nitrobenzene	7.457	77	166143	45.185	ng	97
25) Isophorone	7.698	82	299934	46.024	ng	99
26) 2-Nitrophenol	7.775	139	96620	48.238	ng	99
27) 2,4-Dimethylphenol	7.810	122	153802	44.330	ng	99
28) bis(2-Chloroethoxy)met...	7.904	93	192553	46.475	ng	100
29) 2,4-Dichlorophenol	8.016	162	148099	47.077	ng	99
30) 1,2,4-Trichlorobenzene	8.098	180	157040	45.397	ng	99
31) Naphthalene	8.181	128	506422	46.430	ng	100
32) Benzoic acid	7.934	122	79014	44.682	ng	98
33) 4-Chloroaniline	8.228	127	104242	23.504	ng	99
34) Hexachlorobutadiene	8.292	225	98678	46.635	ng	99
35) Caprolactam	8.604	113	45342	54.620	ng	94
36) 4-Chloro-3-methylphenol	8.716	107	148675	47.553	ng	99
37) 2-Methylnaphthalene	8.869	142	317355	46.932	ng	99
38) 1-Methylnaphthalene	8.969	142	326102	46.586	ng	100
40) 1,2,4,5-Tetrachloroben...	9.039	216	161218	47.365	ng	99
41) Hexachlorocyclopentadiene	9.022	237	126192	65.332	ng	98
43) 2,4,6-Trichlorophenol	9.151	196	105655	47.636	ng	100

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF070225\
 Data File : BF142982.D
 Acq On : 02 Jul 2025 20:52
 Operator : RC/JU
 Sample : Q2475-01MS
 Misc :
 ALS Vial : 20 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 SOIL-PILEMS

Quant Time: Jul 03 01:09:03 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

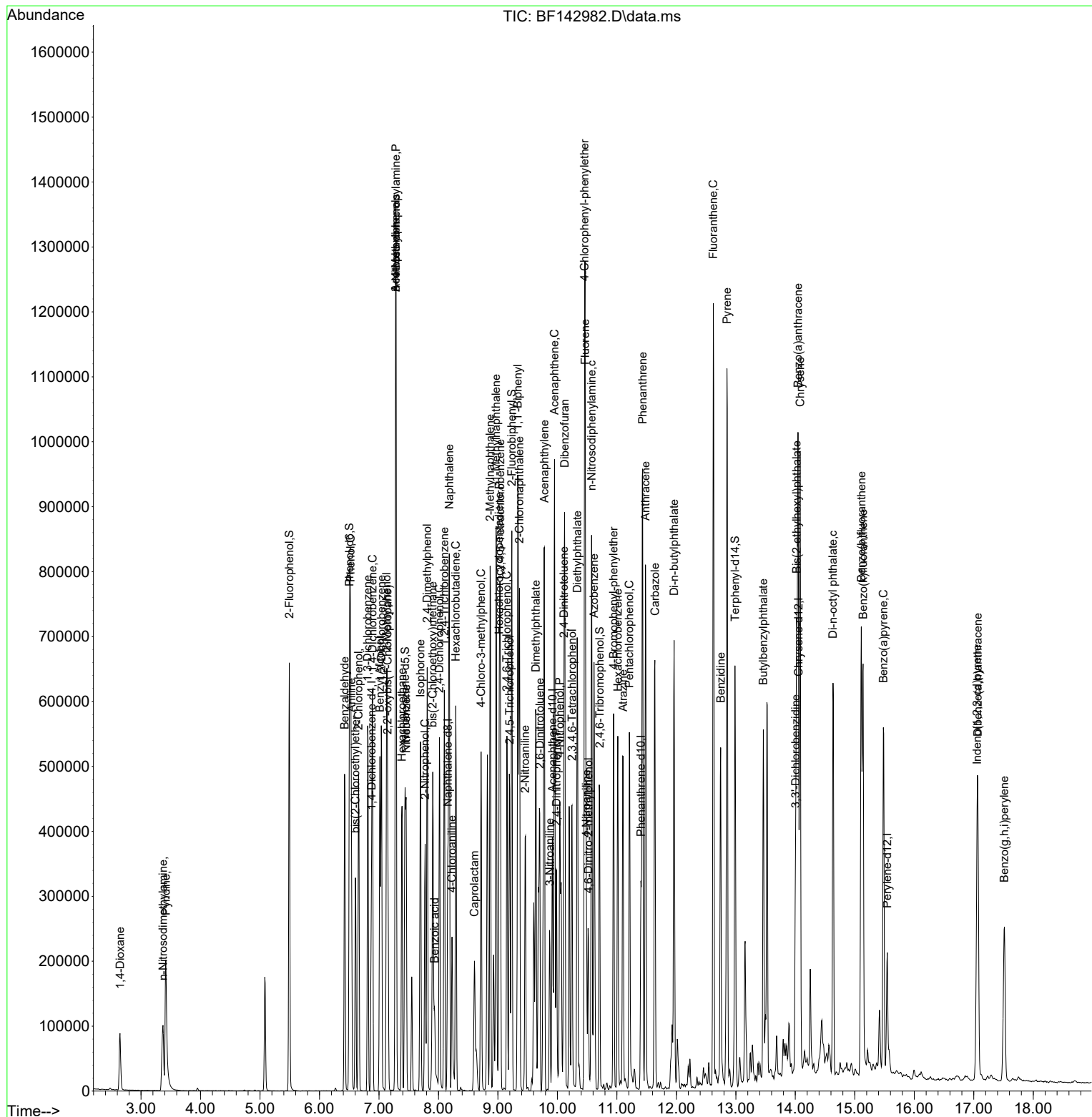
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
44) 2,4,5-Trichlorophenol	9.198	196	107771	46.159	ng	98
46) 1,1'-Biphenyl	9.334	154	435667	47.811	ng	99
47) 2-Chloronaphthalene	9.363	162	316479	46.281	ng	100
48) 2-Nitroaniline	9.457	65	92141	48.062	ng	99
49) Acenaphthylene	9.781	152	532281	47.284	ng	100
50) Dimethylphthalate	9.639	163	377610	50.571	ng	100
51) 2,6-Dinitrotoluene	9.704	165	79528	48.498	ng	97
52) Acenaphthene	9.951	154	349979m	50.956	ng	
53) 3-Nitroaniline	9.869	138	56022	31.030	ng	100
54) 2,4-Dinitrophenol	9.986	184	71826	87.477	ng	96
55) Dibenzofuran	10.122	168	457672	46.470	ng	99
56) 4-Nitrophenol	10.039	139	105462	85.325	ng	98
57) 2,4-Dinitrotoluene	10.110	165	103688	47.604	ng	98
58) Fluorene	10.469	166	365658	47.539	ng	100
59) 2,3,4,6-Tetrachlorophenol	10.245	232	84024	44.647	ng	95
60) Diethylphthalate	10.333	149	375686	51.315	ng	99
61) 4-Chlorophenyl-phenyle...	10.457	204	173018	47.139	ng	99
62) 4-Nitroaniline	10.486	138	77272	46.798	ng	97
63) Azobenzene	10.616	77	324375	49.573	ng	96
65) 4,6-Dinitro-2-methylph...	10.522	198	49114	48.083	ng	98
66) n-Nitrosodiphenylamine	10.575	169	302063	51.611	ng	99
67) 4-Bromophenyl-phenylether	10.945	248	99683	51.866	ng	96
68) Hexachlorobenzene	11.016	284	100995	47.292	ng	99
69) Atrazine	11.104	200	89091	58.948	ng	99
70) Pentachlorophenol	11.210	266	98902	92.939	ng	99
71) Phenanthrene	11.433	178	536655	58.665	ng	99
72) Anthracene	11.480	178	453294	48.316	ng	100
73) Carbazole	11.639	167	398188	49.182	ng	100
74) Di-n-butylphthalate	11.963	149	501082	59.411	ng	100
75) Fluoranthene	12.622	202	715937	82.465	ng	100
77) Benzidine	12.745	184	287333	60.921	ng	99
78) Pyrene	12.851	202	677295	57.559	ng	99
80) Butylbenzylphthalate	13.463	149	181617	53.209	ng	97
81) Benzo(a)anthracene	14.045	228	510028	60.225	ng	99
82) 3,3'-Dichlorobenzidine	14.004	252	80610	29.346	ng	98
83) Chrysene	14.080	228	470396	62.248	ng	100
84) Bis(2-ethylhexyl)phtha...	14.021	149	251873	51.288	ng	98
85) Di-n-octyl phthalate	14.633	149	421576	45.526	ng	98
87) Indeno(1,2,3-cd)pyrene	17.057	276	280284	35.685	ng	98
88) Benzo(b)fluoranthene	15.110	252	434897	72.886	ng	99
89) Benzo(k)fluoranthene	15.139	252	363291m	65.078	ng	
90) Benzo(a)pyrene	15.480	252	337212	58.500	ng	100
91) Dibenzo(a,h)anthracene	17.068	278	214223	33.568	ng	99
92) Benzo(g,h,i)perylene	17.515	276	214912	33.772	ng	99

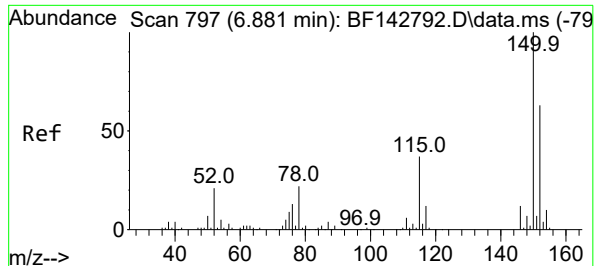
(#) = qualifier out of range (m) = manual integration (+) = signals summed


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Acq On    : 02 Jul 2025   20:52
Operator  : RC/JU
Sample    : Q2475-01MS
Misc      :
ALS Vial  : 20   Sample Multiplier: 1
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Instrument :
BNA_F
ClientSampleId :
SOIL-PILEMS

Quant Time: Jul 03 01:09:03 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

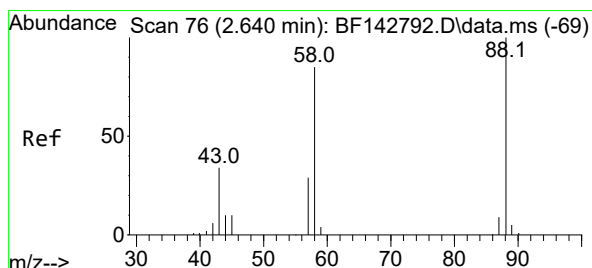
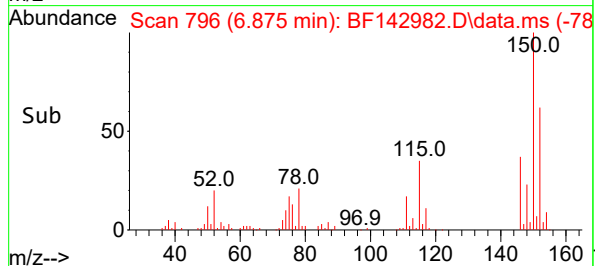
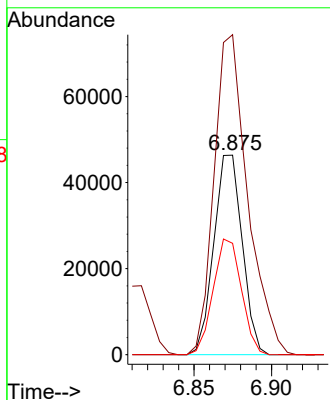
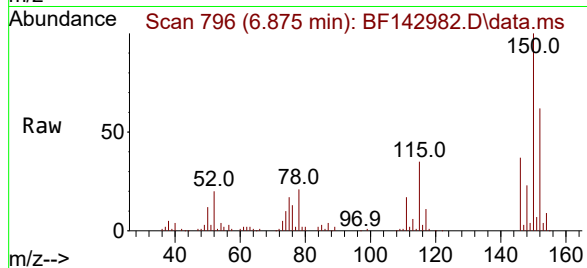




#1
 1,4-Dichlorobenzene-d4
 Concen: 20.000 ng
 RT: 6.875 min Scan# 79
 Delta R.T. -0.006 min
 Lab File: BF142982.D
 Acq: 02 Jul 2025 20:52

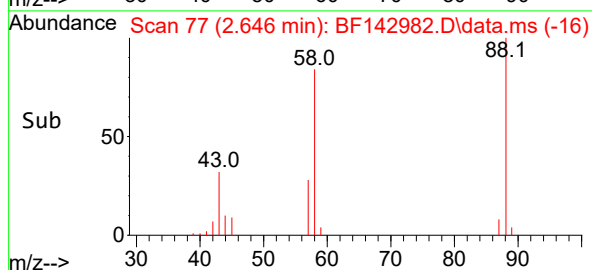
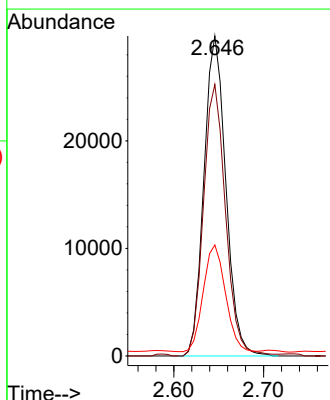
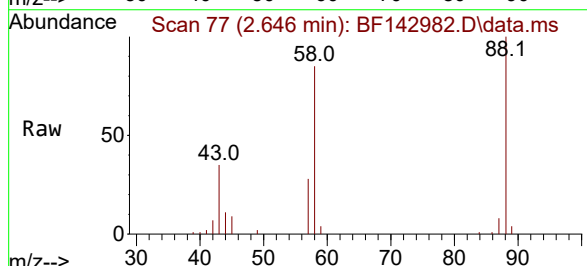
Instrument :
 BNA_F
 ClientSampleId :
 SOIL-PILEMS

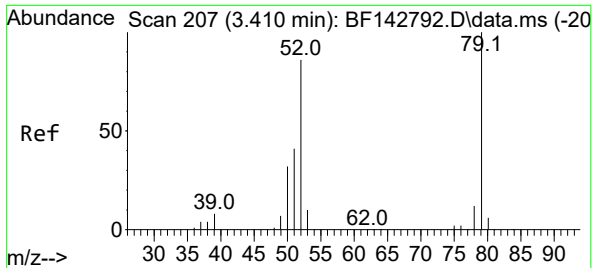
Tgt Ion:152 Resp: 59177
 Ion Ratio Lower Upper
 152 100
 150 160.3 127.2 190.8
 115 55.8 46.6 69.8



#2
 1,4-Dioxane
 Concen: 35.441 ng
 RT: 2.646 min Scan# 77
 Delta R.T. 0.006 min
 Lab File: BF142982.D
 Acq: 02 Jul 2025 20:52

Tgt Ion: 88 Resp: 50385
 Ion Ratio Lower Upper
 88 100
 58 85.7 69.1 103.7
 43 33.7 27.4 41.2





#3

Pyridine

Concen: 38.811 ng

RT: 3.416 min Scan# 207

Delta R.T. 0.006 min

Lab File: BF142982.D

Acq: 02 Jul 2025 20:52

Instrument :

BNA_F

ClientSampleId :

SOIL-PILEMS

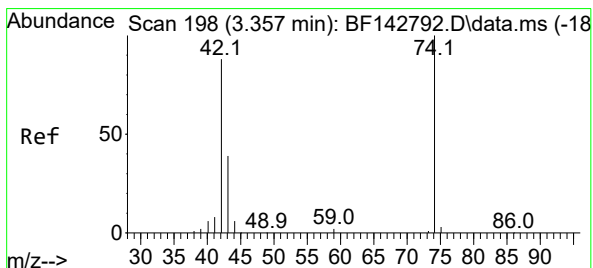
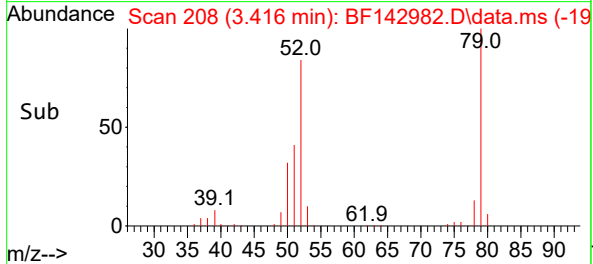
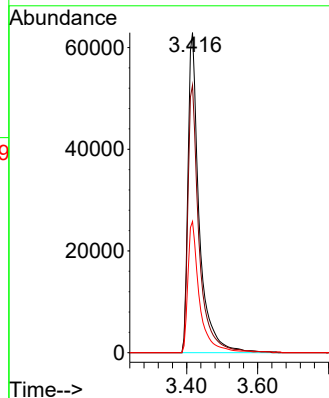
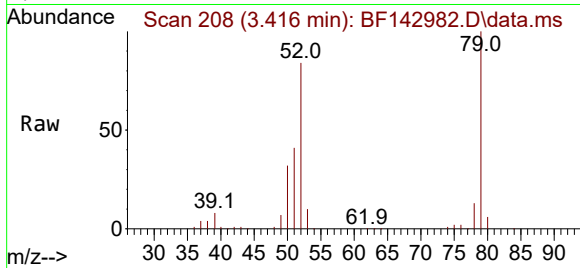
Tgt Ion: 79 Resp: 138323

Ion Ratio Lower Upper

79 100

52 83.6 69.2 103.8

51 41.0 33.2 49.8



#4

n-Nitrosodimethylamine

Concen: 42.487 ng

RT: 3.369 min Scan# 200

Delta R.T. 0.012 min

Lab File: BF142982.D

Acq: 02 Jul 2025 20:52

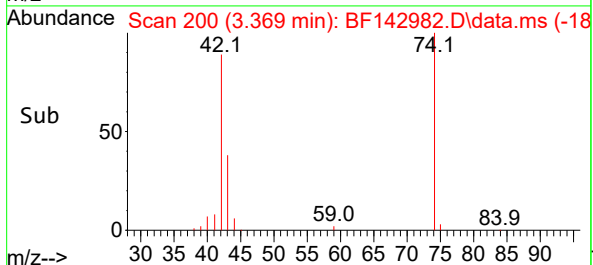
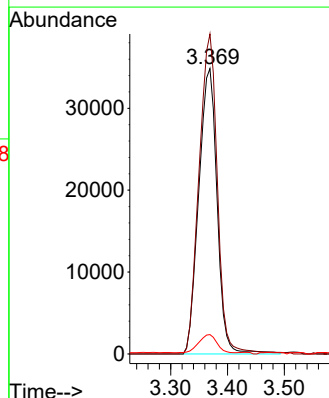
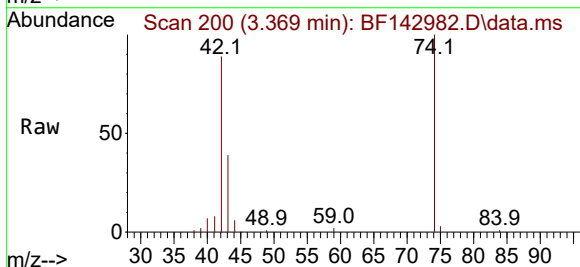
Tgt Ion: 42 Resp: 78305

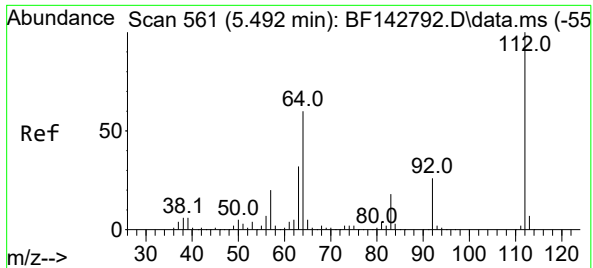
Ion Ratio Lower Upper

42 100

74 112.1 90.9 136.3

44 6.8 5.8 8.6





#5

2-Fluorophenol

Concen: 70.661 ng

RT: 5.493 min Scan# 50

Delta R.T. 0.001 min

Lab File: BF142982.D

Acq: 02 Jul 2025 20:52

Instrument :

BNA_F

ClientSampleId :

SOIL-PILEMS

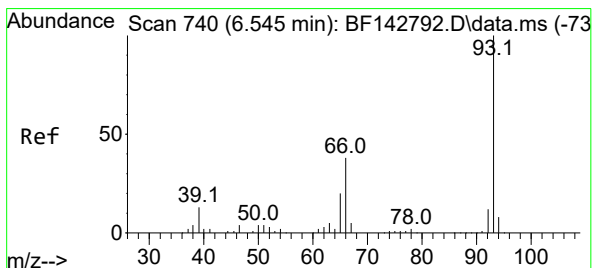
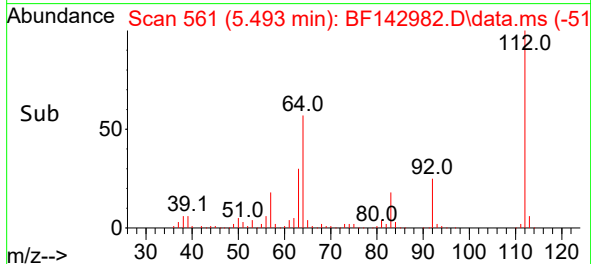
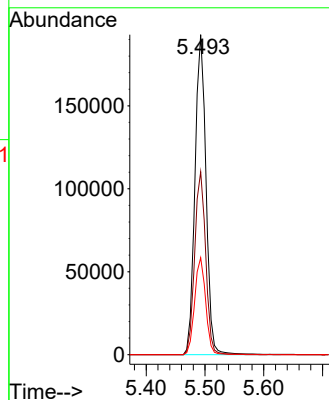
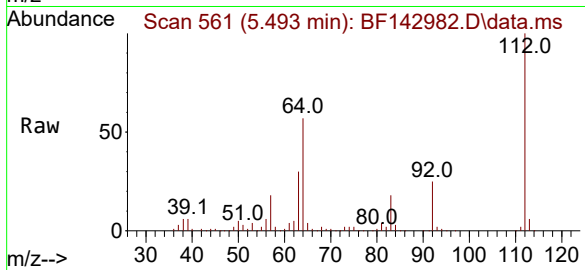
Tgt Ion:112 Resp: 251153

Ion Ratio Lower Upper

112 100

64 57.2 48.2 72.2

63 30.3 25.7 38.5



#6

Aniline

Concen: 36.967 ng

RT: 6.534 min Scan# 738

Delta R.T. -0.012 min

Lab File: BF142982.D

Acq: 02 Jul 2025 20:52

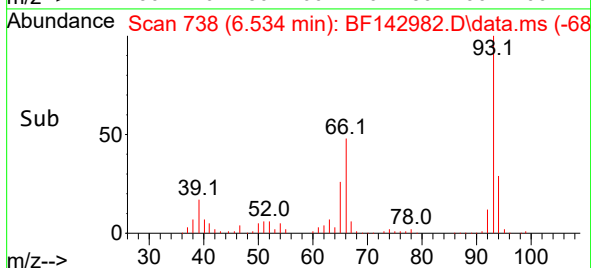
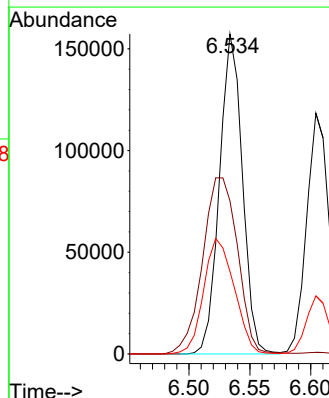
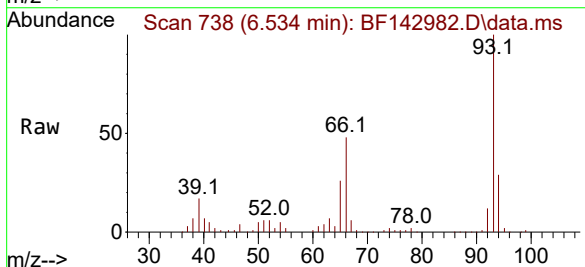
Tgt Ion: 93 Resp: 206267

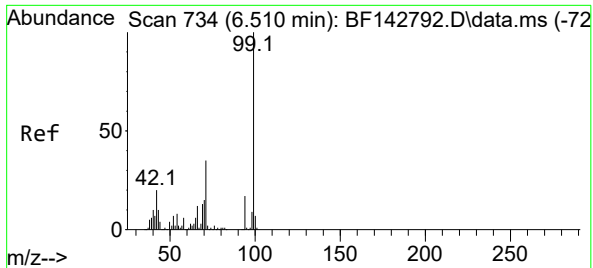
Ion Ratio Lower Upper

93 100

66 47.9 31.8 47.6#

65 25.8 16.2 24.2#





#7

Phenol-d6

Concen: 73.969 ng

RT: 6.504 min Scan# 71

Delta R.T. -0.006 min

Lab File: BF142982.D

Acq: 02 Jul 2025 20:52

Instrument :

BNA_F

ClientSampleId :

SOIL-PILEMS

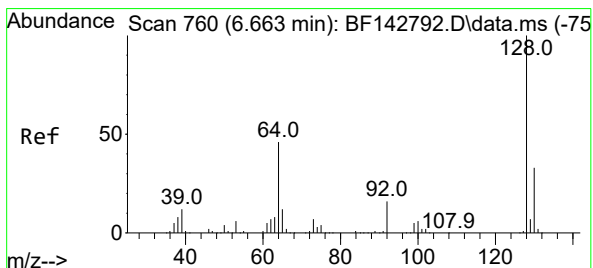
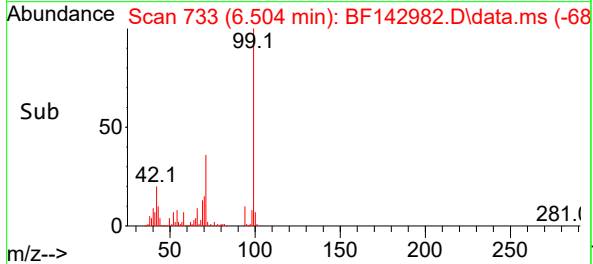
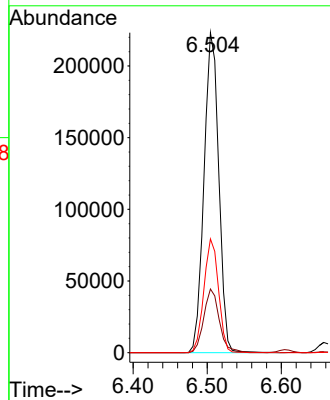
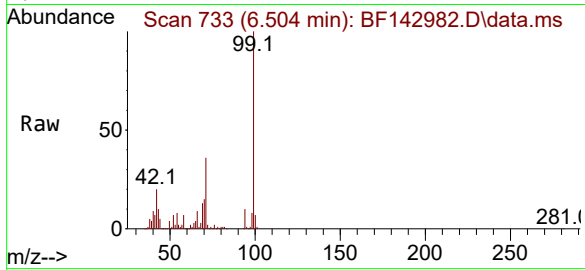
Tgt Ion: 99 Resp: 310182

Ion Ratio Lower Upper

99 100

42 19.9 15.9 23.9

71 35.5 27.8 41.8



#8

2-Chlorophenol

Concen: 45.477 ng

RT: 6.657 min Scan# 759

Delta R.T. -0.006 min

Lab File: BF142982.D

Acq: 02 Jul 2025 20:52

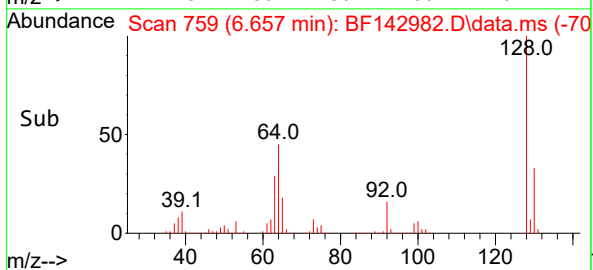
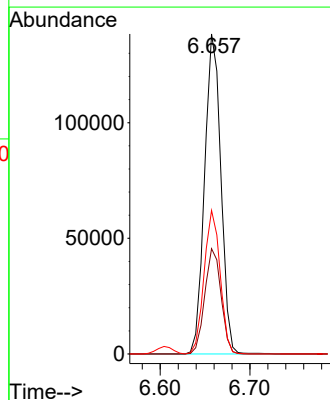
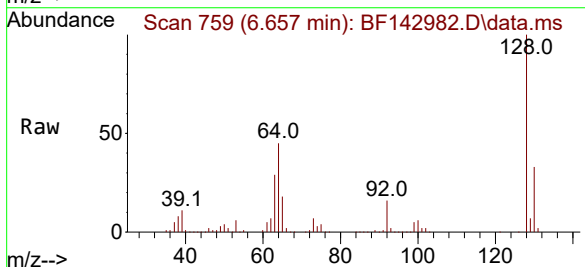
Tgt Ion: 128 Resp: 174364

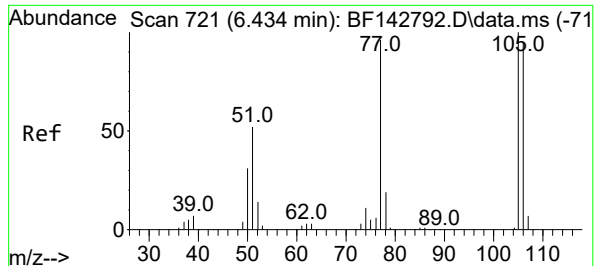
Ion Ratio Lower Upper

128 100

130 32.9 12.7 52.7

64 44.8 26.5 66.5





#9

Benzaldehyde

Concen: 50.508 ng

RT: 6.422 min Scan# 719

Delta R.T. -0.012 min

Lab File: BF142982.D

Acq: 02 Jul 2025 20:52

Instrument :

BNA_F

ClientSampleId :

SOIL-PILEMS

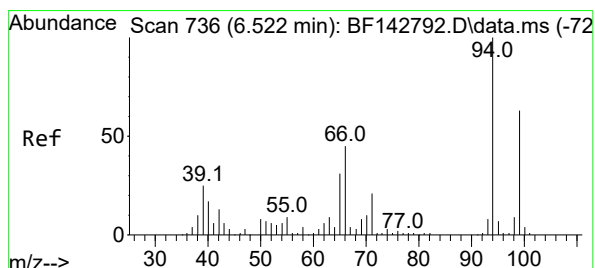
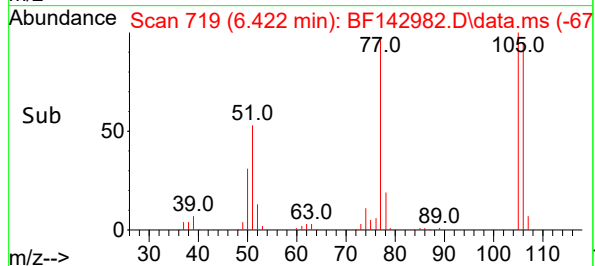
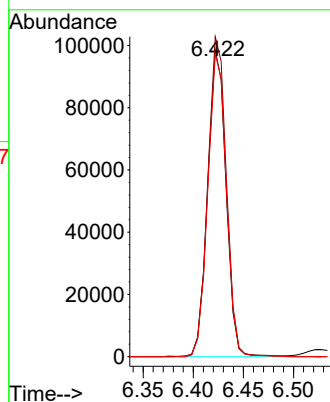
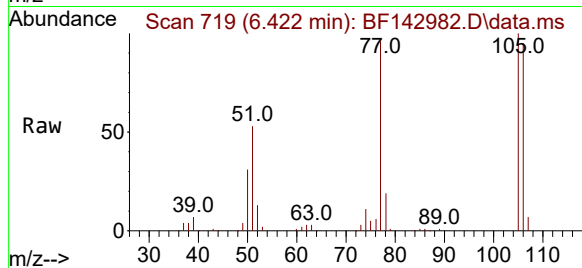
Tgt Ion: 77 Resp: 125658

Ion Ratio Lower Upper

77 100

105 104.4 83.8 123.8

106 98.8 78.7 118.7



#10

Phenol

Concen: 44.358 ng

RT: 6.522 min Scan# 736

Delta R.T. 0.000 min

Lab File: BF142982.D

Acq: 02 Jul 2025 20:52

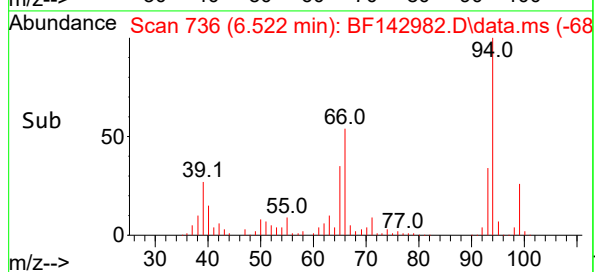
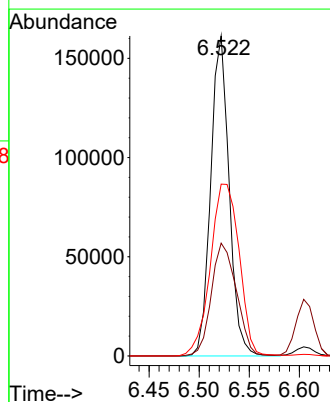
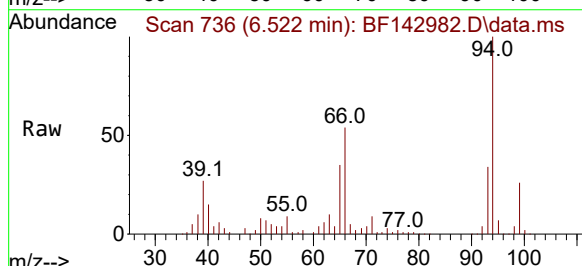
Tgt Ion: 94 Resp: 206764

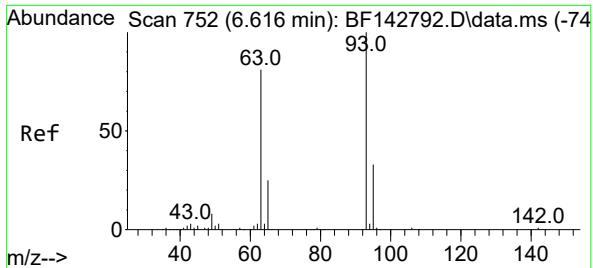
Ion Ratio Lower Upper

94 100

65 35.2 11.3 51.3

66 53.7 24.9 64.9

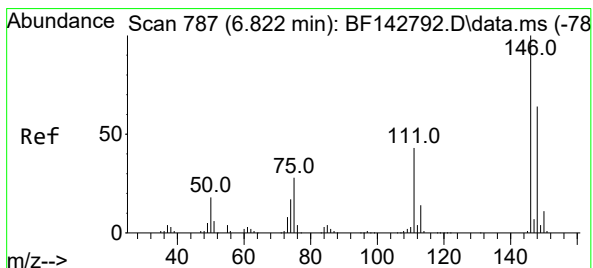
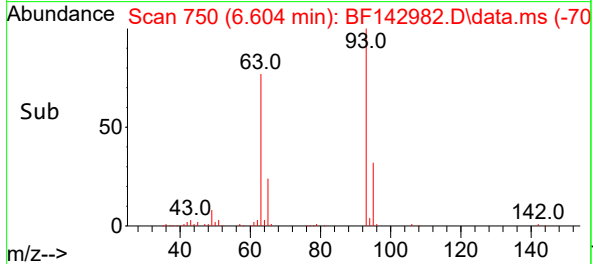
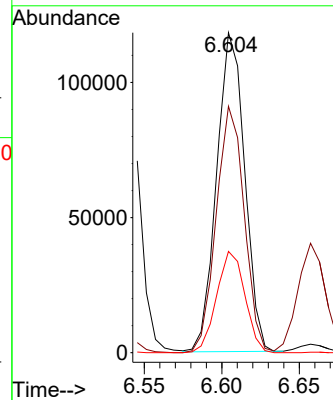
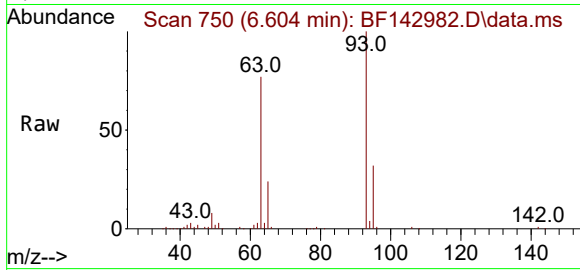




#11
bis(2-Chloroethyl)ether
Concen: 44.523 ng
RT: 6.604 min Scan# 750
Delta R.T. -0.012 min
Lab File: BF142982.D
Acq: 02 Jul 2025 20:52

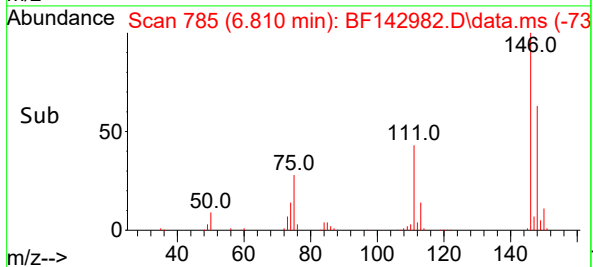
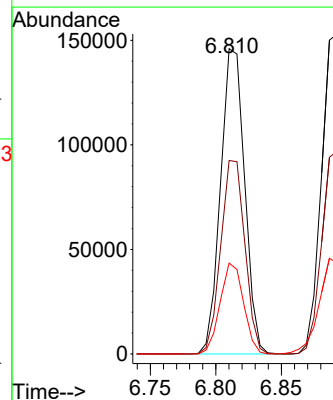
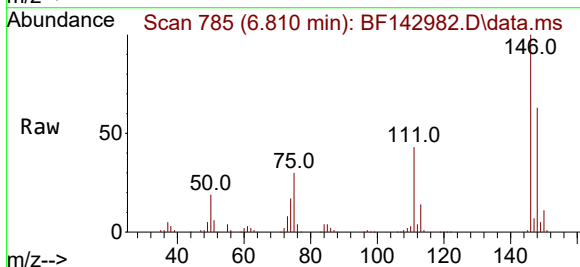
Instrument :
BNA_F
ClientSampleId :
SOIL-PILEMS

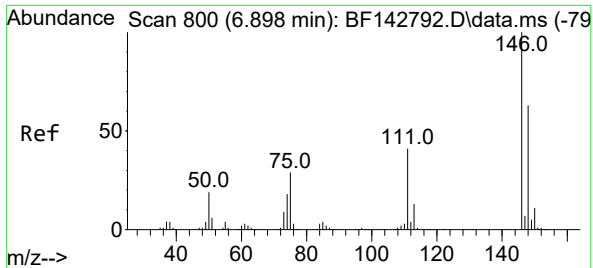
Tgt Ion: 93 Resp: 148327
Ion Ratio Lower Upper
93 100
63 77.0 60.3 100.3
95 31.6 12.5 52.5



#12
1,3-Dichlorobenzene
Concen: 43.466 ng
RT: 6.810 min Scan# 785
Delta R.T. -0.012 min
Lab File: BF142982.D
Acq: 02 Jul 2025 20:52

Tgt Ion:146 Resp: 186383
Ion Ratio Lower Upper
146 100
148 63.4 51.1 76.7
75 29.8 22.7 34.1





#13

1,4-Dichlorobenzene

Concen: 44.750 ng

RT: 6.892 min Scan# 79

Delta R.T. -0.006 min

Lab File: BF142982.D

Acq: 02 Jul 2025 20:52

Instrument :

BNA_F

ClientSampleId :

SOIL-PILEMS

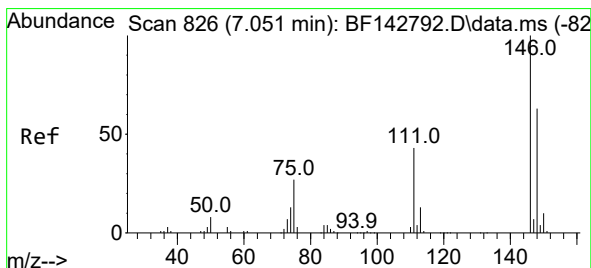
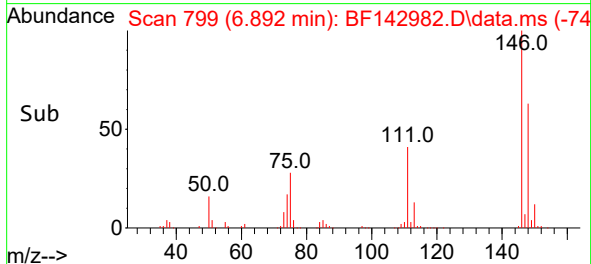
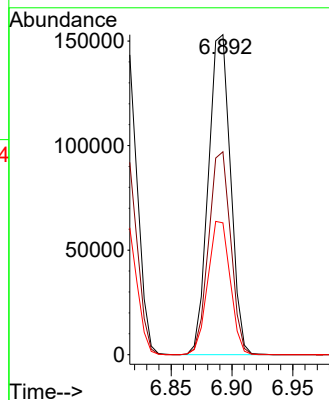
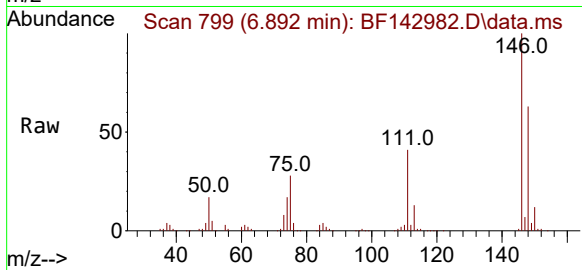
Tgt Ion:146 Resp: 193602

Ion Ratio Lower Upper

146 100

148 63.4 50.2 75.2

111 41.2 33.2 49.8



#14

1,2-Dichlorobenzene

Concen: 44.653 ng

RT: 7.040 min Scan# 824

Delta R.T. -0.012 min

Lab File: BF142982.D

Acq: 02 Jul 2025 20:52

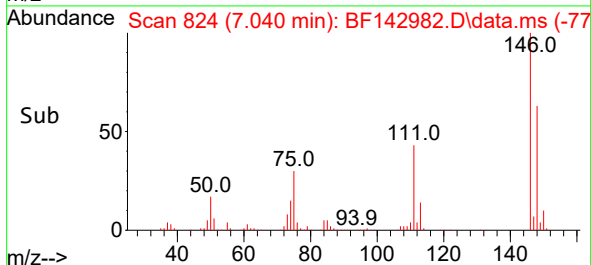
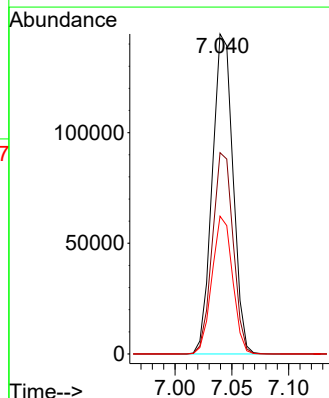
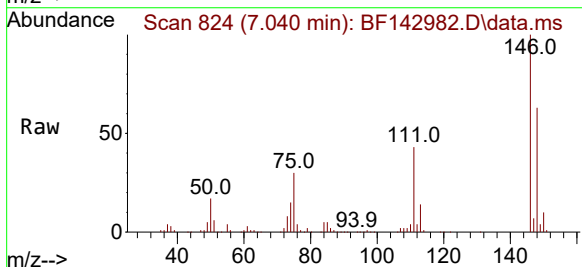
Tgt Ion:146 Resp: 183230

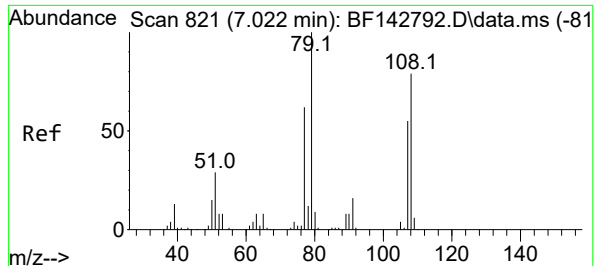
Ion Ratio Lower Upper

146 100

148 62.9 50.4 75.6

111 43.1 34.1 51.1





#15

Benzyl Alcohol

Concen: 46.426 ng

RT: 7.016 min Scan# 81

Delta R.T. -0.006 min

Lab File: BF142982.D

Acq: 02 Jul 2025 20:52

Instrument :

BNA_F

ClientSampleId :

SOIL-PILEMS

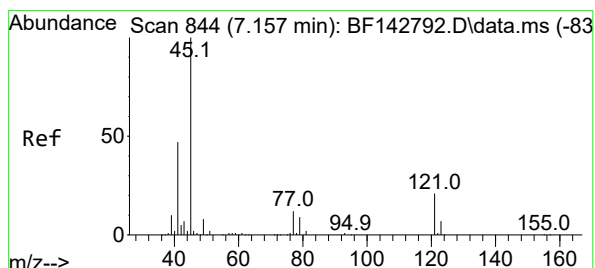
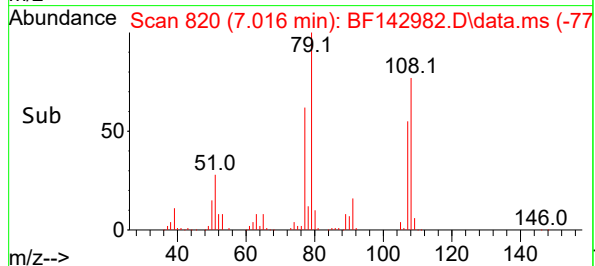
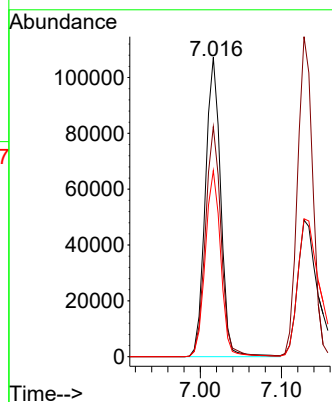
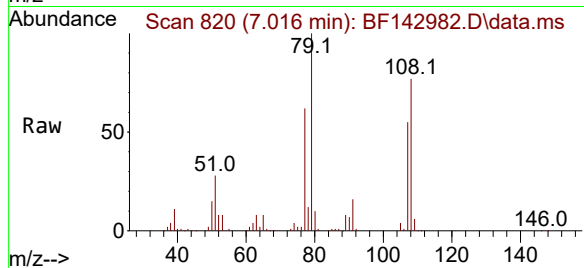
Tgt Ion: 79 Resp: 140744

Ion Ratio Lower Upper

79 100

108 76.8 63.4 95.0

77 62.2 49.5 74.3



#16

2,2'-oxybis(1-Chloropropane)

Concen: 42.044 ng

RT: 7.145 min Scan# 842

Delta R.T. -0.012 min

Lab File: BF142982.D

Acq: 02 Jul 2025 20:52

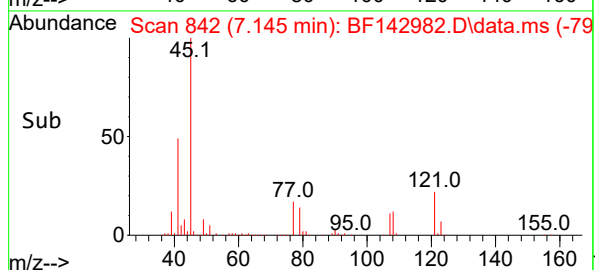
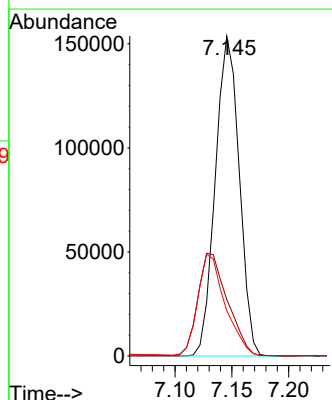
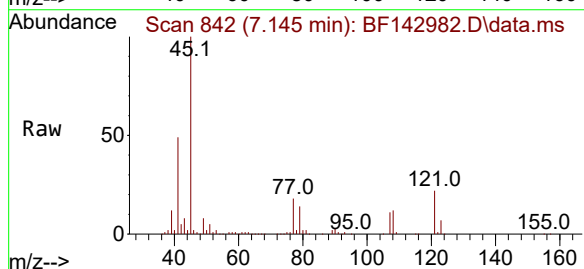
Tgt Ion: 45 Resp: 225044

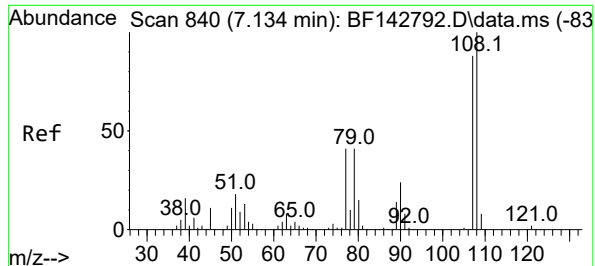
Ion Ratio Lower Upper

45 100

77 17.7 0.0 32.8

79 14.1 0.0 29.8

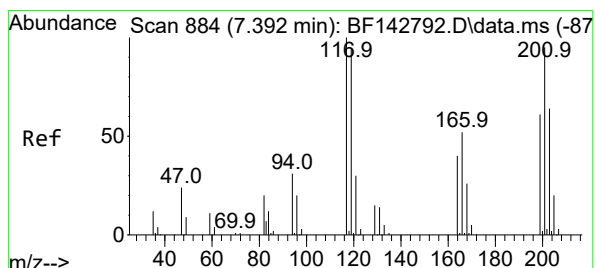
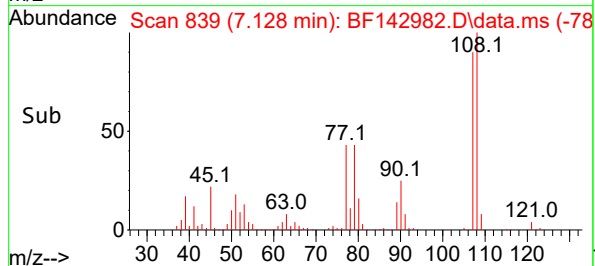
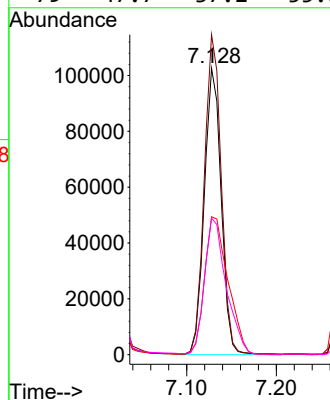
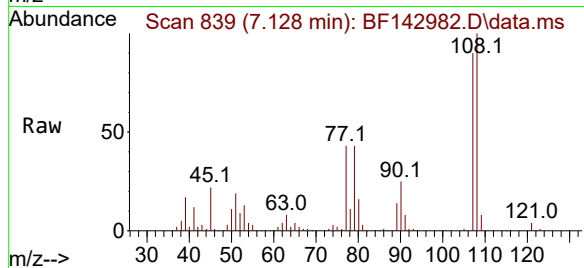




#17
2-Methylphenol
Concen: 46.167 ng
RT: 7.128 min Scan# 81
Delta R.T. -0.006 min
Lab File: BF142982.D
Acq: 02 Jul 2025 20:52

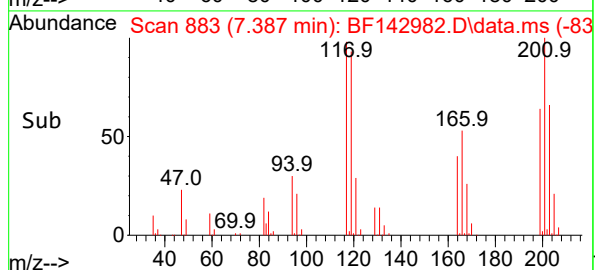
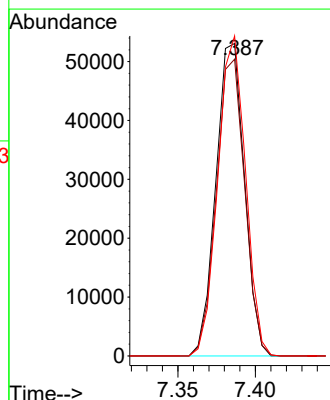
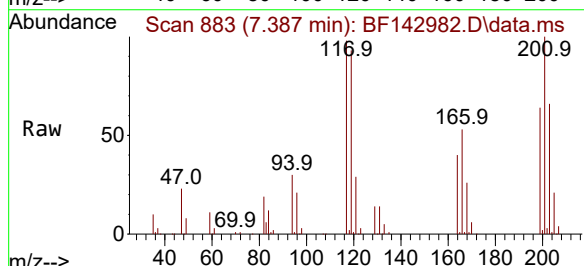
Instrument :
BNA_F
ClientSampleId :
SOIL-PILEMS

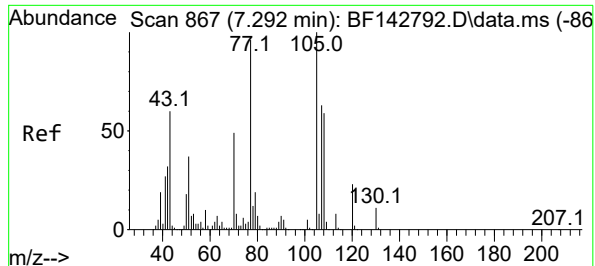
Tgt Ion:107 Resp: 134142
Ion Ratio Lower Upper
107 100
108 111.7 90.9 136.3
77 48.2 37.3 55.9
79 47.7 37.2 55.8



#18
Hexachloroethane
Concen: 45.017 ng
RT: 7.387 min Scan# 883
Delta R.T. -0.006 min
Lab File: BF142982.D
Acq: 02 Jul 2025 20:52

Tgt Ion:117 Resp: 68120
Ion Ratio Lower Upper
117 100
119 95.0 75.4 113.0
201 102.4 75.9 113.9





#19

n-Nitroso-di-n-propylamine

Concen: 45.817 ng

RT: 7.287 min Scan# 866

Delta R.T. -0.006 min

Lab File: BF142982.D

Acq: 02 Jul 2025 20:52

Instrument :

BNA_F

ClientSampleId :

SOIL-PILEMS

Tgt Ion: 70 Resp: 111743

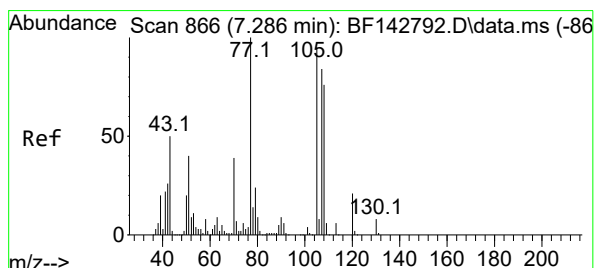
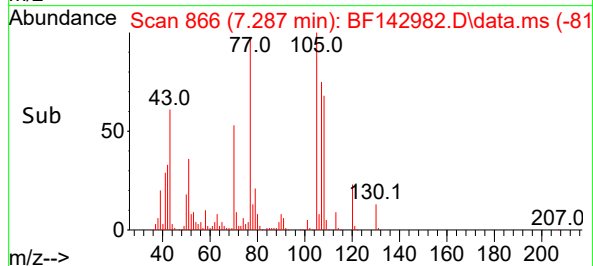
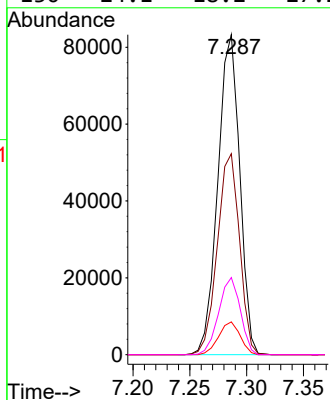
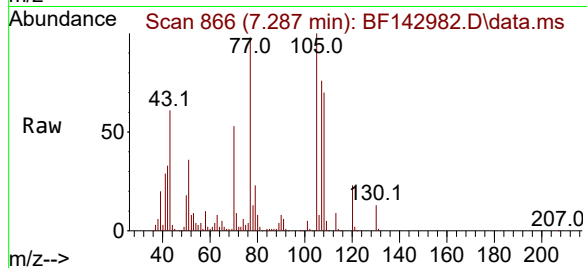
Ion Ratio Lower Upper

70 100

42 62.8 52.1 78.1

101 10.3 8.2 12.2

130 24.1 18.2 27.2



#20

3+4-Methylphenols

Concen: 47.085 ng

RT: 7.281 min Scan# 865

Delta R.T. -0.006 min

Lab File: BF142982.D

Acq: 02 Jul 2025 20:52

Tgt Ion:107 Resp: 170574

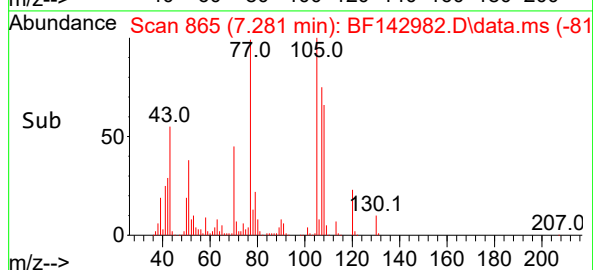
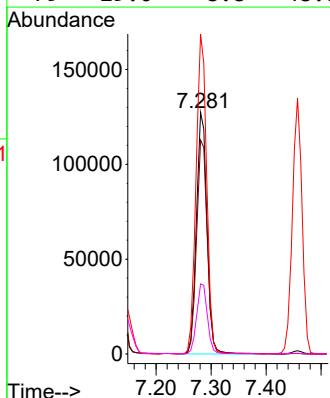
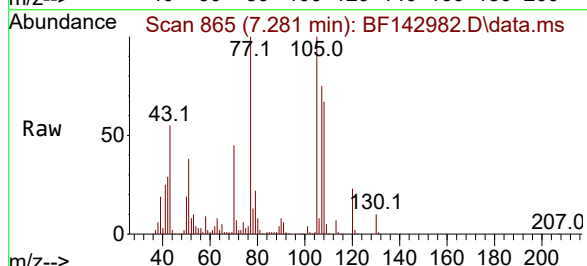
Ion Ratio Lower Upper

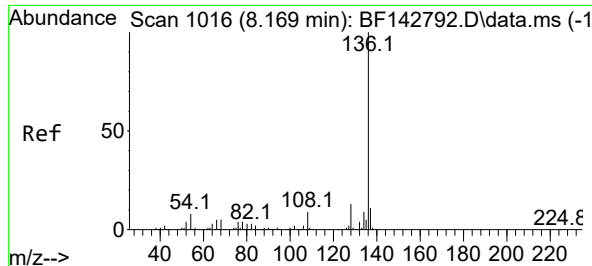
107 100

108 88.6 70.0 110.0

77 132.5 98.5 138.5

79 29.0 8.8 48.8





#21

Naphthalene-d8

Concen: 20.000 ng

RT: 8.157 min Scan# 1014

Delta R.T. -0.012 min

Lab File: BF142982.D

Acq: 02 Jul 2025 20:52

Instrument :

BNA_F

ClientSampleId :

SOIL-PILEMS

Tgt Ion:136 Resp: 222831

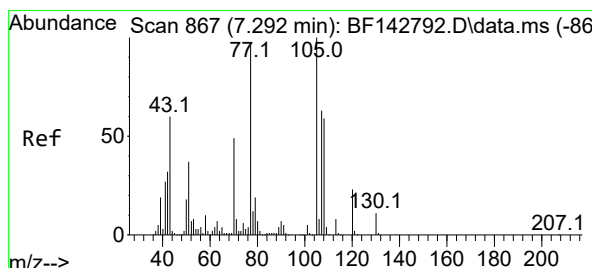
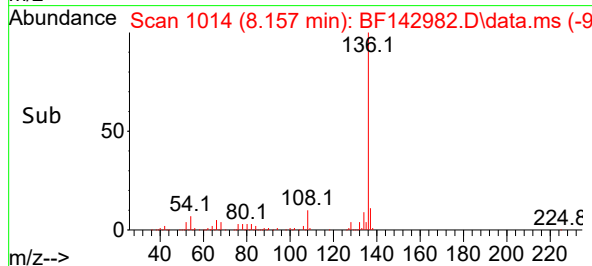
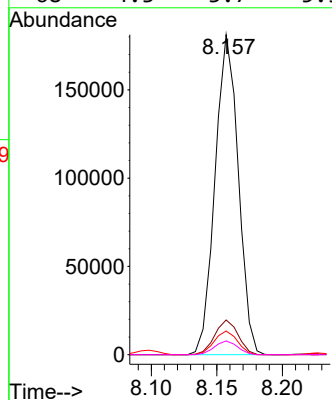
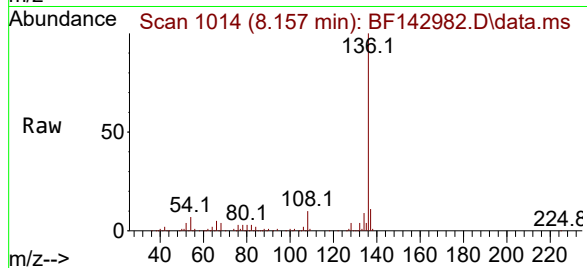
Ion Ratio Lower Upper

136 100

137 10.9 8.4 12.6

54 7.4 6.3 9.5

68 4.3 3.7 5.5



#22

Acetophenone

Concen: 46.781 ng

RT: 7.281 min Scan# 865

Delta R.T. -0.012 min

Lab File: BF142982.D

Acq: 02 Jul 2025 20:52

Tgt Ion:105 Resp: 229876

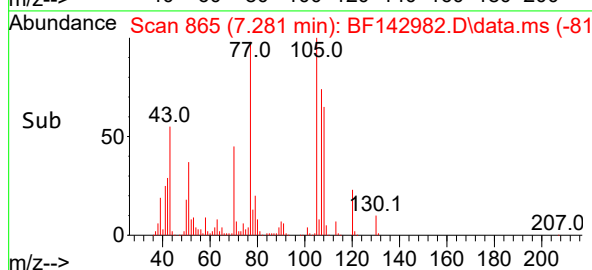
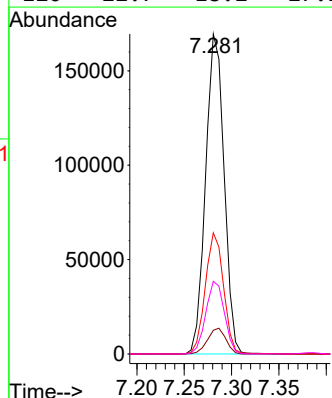
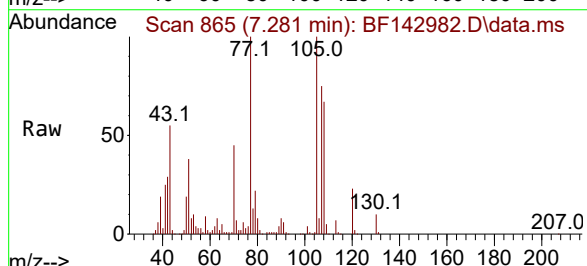
Ion Ratio Lower Upper

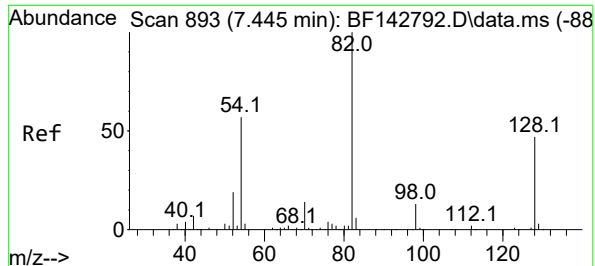
105 100

71 7.4 6.5 9.7

51 37.8 29.8 44.8

120 22.7 18.2 27.2





#23

Nitrobenzene-d5

Concen: 46.830 ng

RT: 7.440 min Scan# 893

Delta R.T. -0.005 min

Lab File: BF142982.D

Acq: 02 Jul 2025 20:52

Instrument :

BNA_F

ClientSampleId :

SOIL-PILEMS

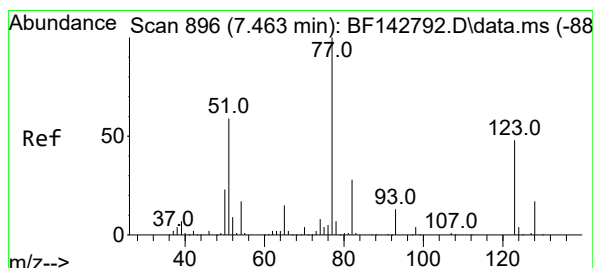
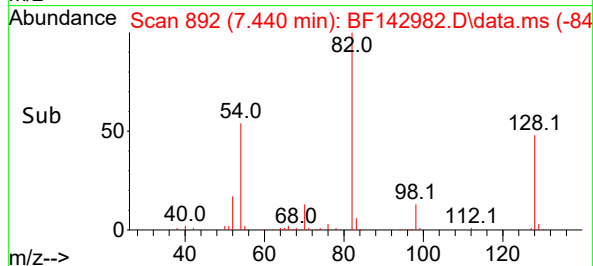
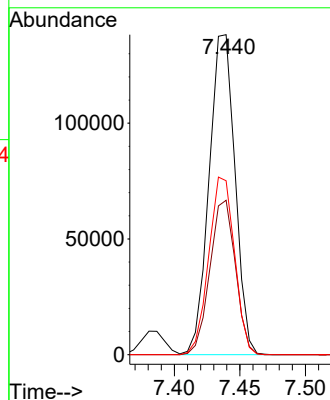
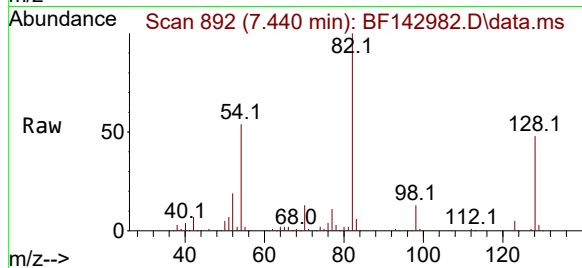
Tgt Ion: 82 Resp: 190246

Ion Ratio Lower Upper

82 100

128 48.2 37.7 56.5

54 54.4 45.7 68.5



#24

Nitrobenzene

Concen: 45.185 ng

RT: 7.457 min Scan# 895

Delta R.T. -0.006 min

Lab File: BF142982.D

Acq: 02 Jul 2025 20:52

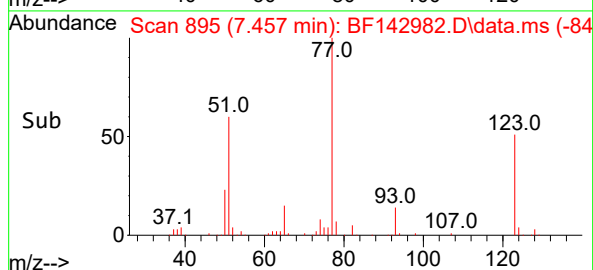
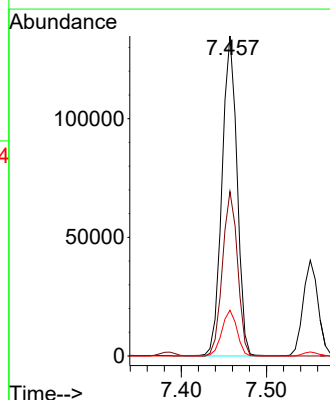
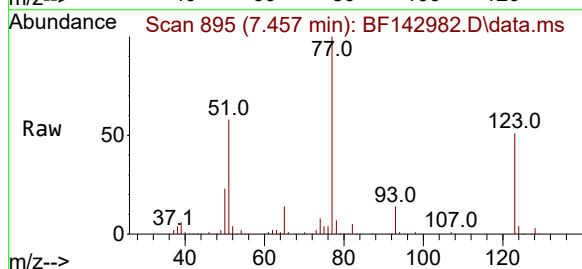
Tgt Ion: 77 Resp: 166143

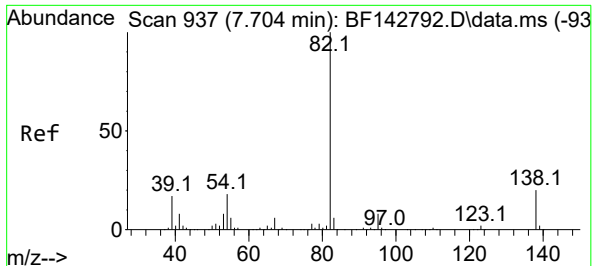
Ion Ratio Lower Upper

77 100

123 51.4 39.2 58.8

65 14.3 11.6 17.4

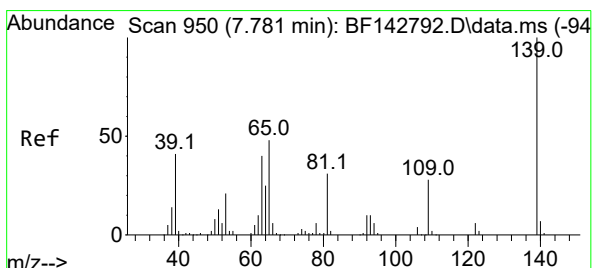
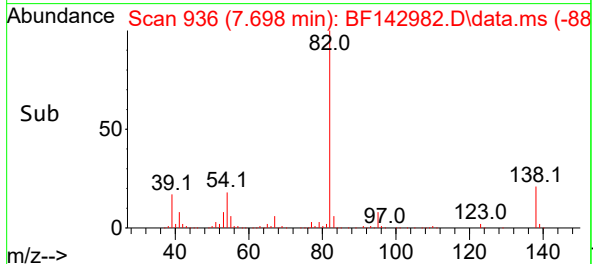
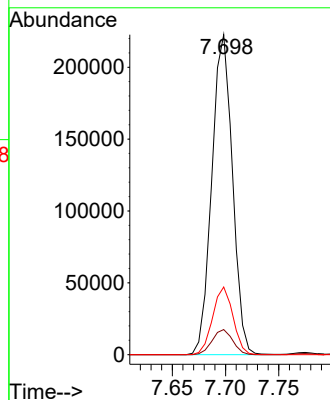
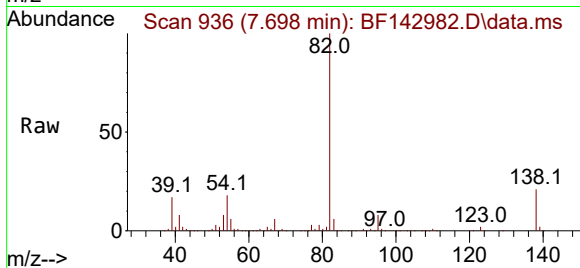




#25
Isophorone
Concen: 46.024 ng
RT: 7.698 min Scan# 91
Delta R.T. -0.006 min
Lab File: BF142982.D
Acq: 02 Jul 2025 20:52

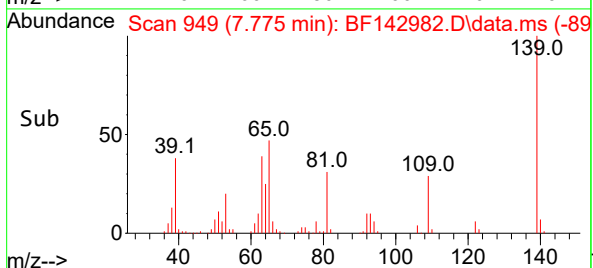
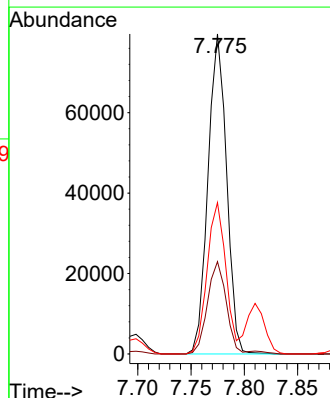
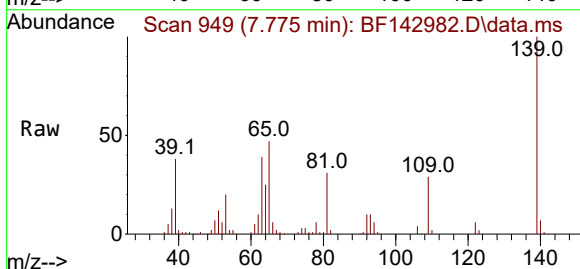
Instrument :
BNA_F
ClientSampleId :
SOIL-PILEMS

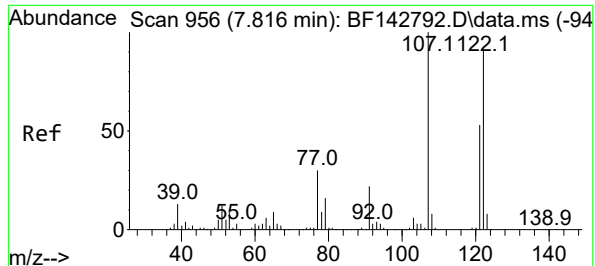
Tgt Ion: 82 Resp: 299934
Ion Ratio Lower Upper
82 100
95 7.9 6.2 9.2
138 21.1 16.2 24.4



#26
2-Nitrophenol
Concen: 48.238 ng
RT: 7.775 min Scan# 949
Delta R.T. -0.006 min
Lab File: BF142982.D
Acq: 02 Jul 2025 20:52

Tgt Ion:139 Resp: 96620
Ion Ratio Lower Upper
139 100
109 28.8 22.7 34.1
65 47.3 38.6 58.0





#27

2,4-Dimethylphenol

Concen: 44.330 ng

RT: 7.810 min Scan# 91

Delta R.T. -0.006 min

Lab File: BF142982.D

Acq: 02 Jul 2025 20:52

Instrument :

BNA_F

ClientSampleId :

SOIL-PILEMS

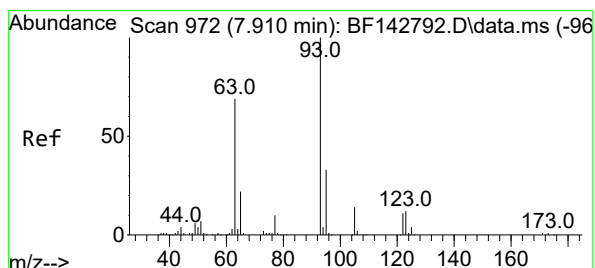
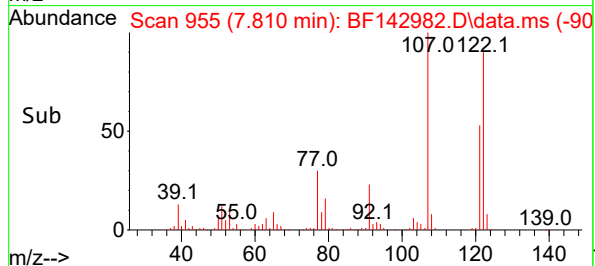
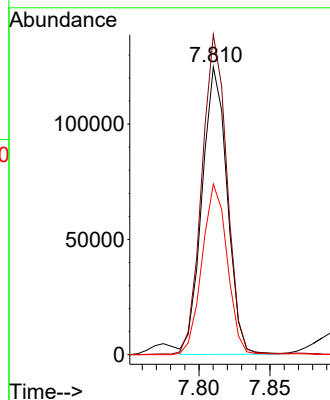
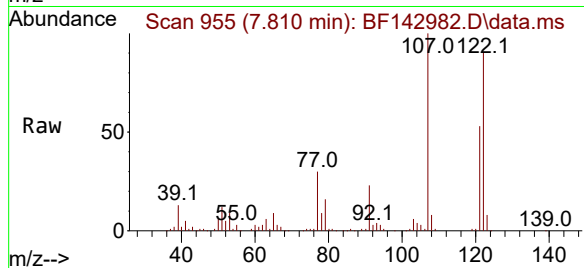
Tgt Ion:122 Resp: 153802

Ion Ratio Lower Upper

122 100

107 111.2 88.0 132.0

121 59.3 46.3 69.5



#28

bis(2-Chloroethoxy)methane

Concen: 46.475 ng

RT: 7.904 min Scan# 971

Delta R.T. -0.006 min

Lab File: BF142982.D

Acq: 02 Jul 2025 20:52

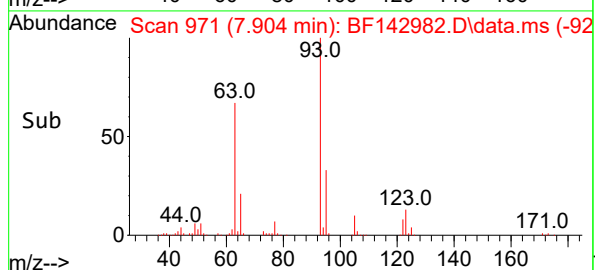
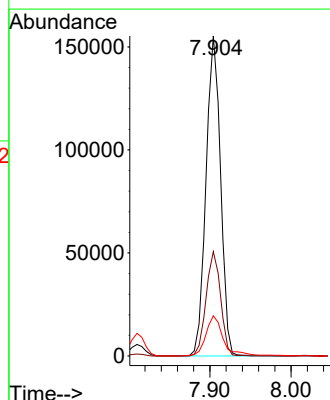
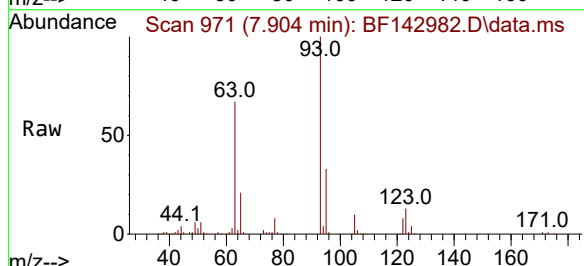
Tgt Ion: 93 Resp: 192553

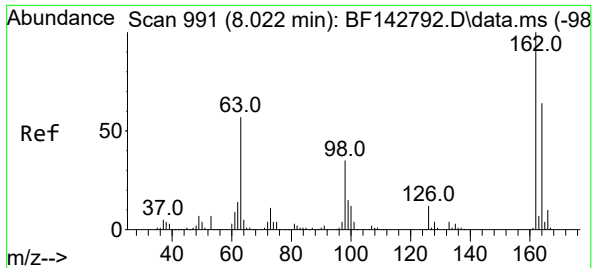
Ion Ratio Lower Upper

93 100

95 32.6 26.2 39.2

123 12.6 9.9 14.9





#29

2,4-Dichlorophenol

Concen: 47.077 ng

RT: 8.016 min Scan# 991

Delta R.T. -0.006 min

Lab File: BF142982.D

Acq: 02 Jul 2025 20:52

Instrument :

BNA_F

ClientSampleId :

SOIL-PILEMS

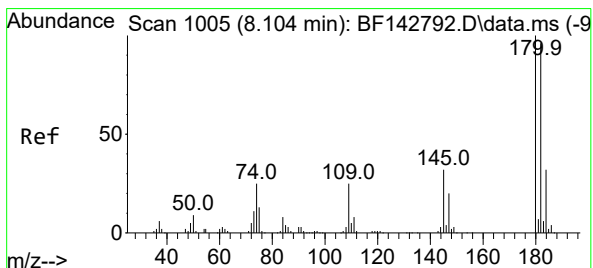
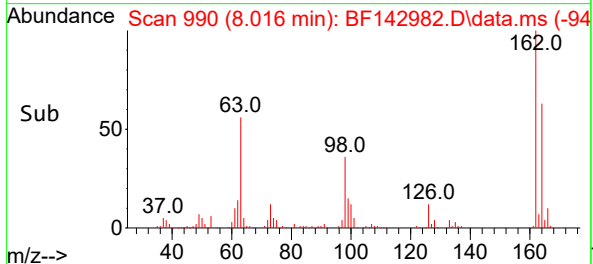
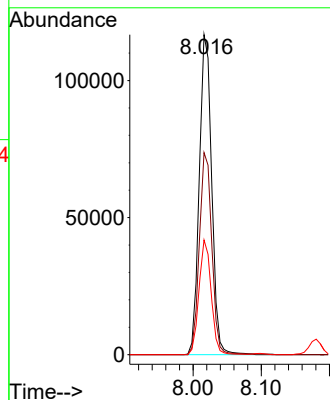
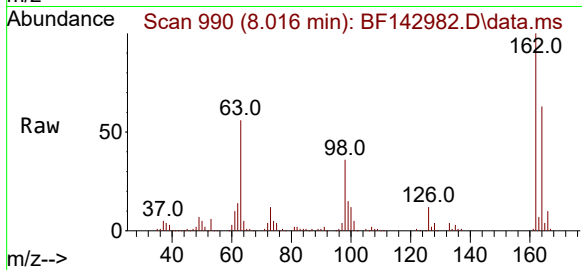
Tgt Ion:162 Resp: 148099

Ion Ratio Lower Upper

162 100

164 63.1 44.0 84.0

98 35.8 15.4 55.4



#30

1,2,4-Trichlorobenzene

Concen: 45.397 ng

RT: 8.098 min Scan# 1004

Delta R.T. -0.006 min

Lab File: BF142982.D

Acq: 02 Jul 2025 20:52

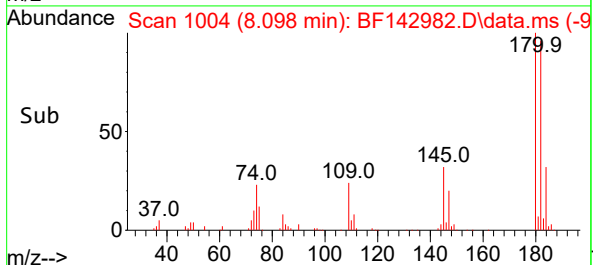
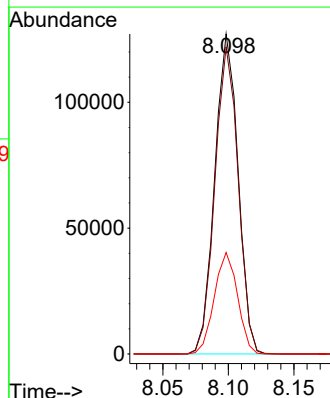
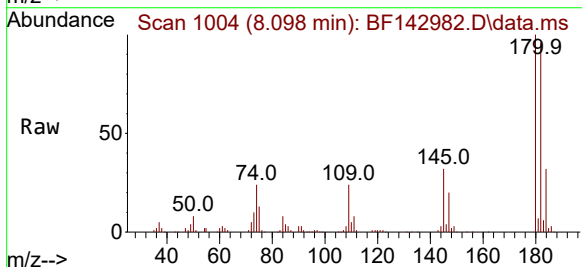
Tgt Ion:180 Resp: 157040

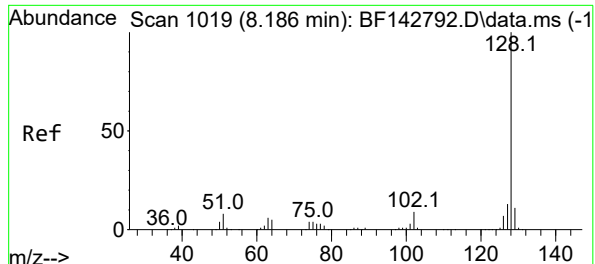
Ion Ratio Lower Upper

180 100

182 95.9 76.4 114.6

145 31.7 25.8 38.8





#31

Naphthalene

Concen: 46.430 ng

RT: 8.181 min Scan# 1019

Delta R.T. -0.006 min

Lab File: BF142982.D

Acq: 02 Jul 2025 20:52

Instrument :

BNA_F

ClientSampleId :

SOIL-PILEMS

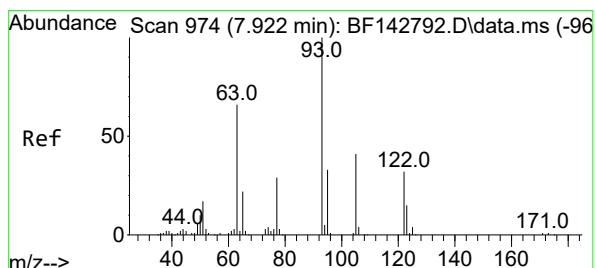
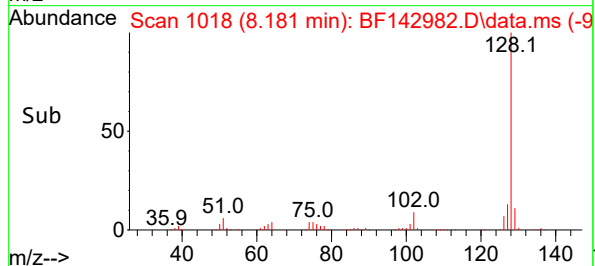
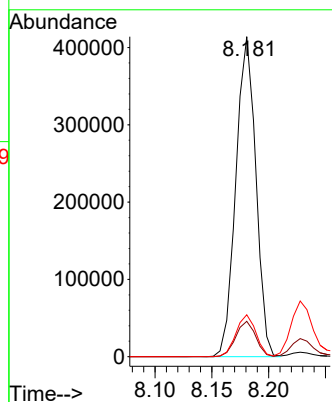
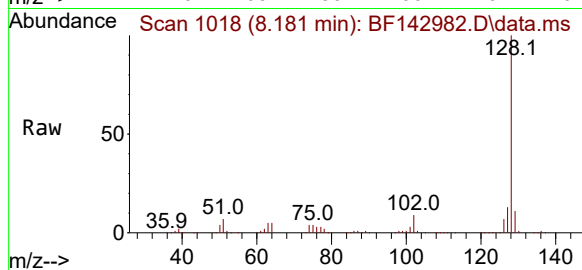
Tgt Ion:128 Resp: 506422

Ion Ratio Lower Upper

128 100

129 11.1 8.9 13.3

127 13.1 10.4 15.6



#32

Benzoic acid

Concen: 44.682 ng

RT: 7.934 min Scan# 976

Delta R.T. 0.012 min

Lab File: BF142982.D

Acq: 02 Jul 2025 20:52

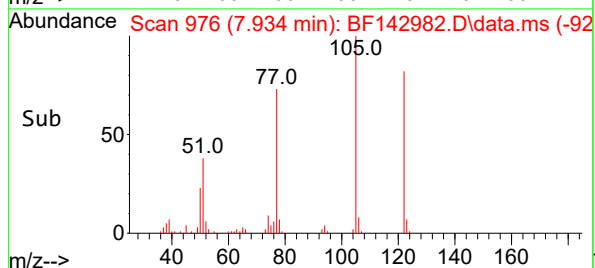
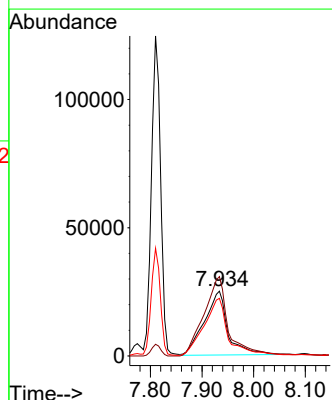
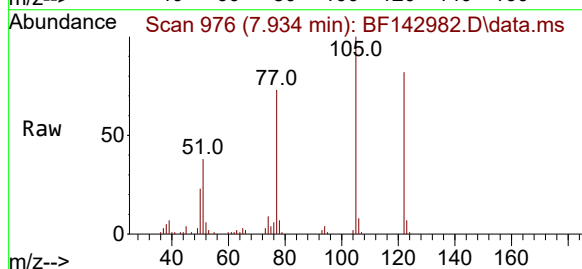
Tgt Ion:122 Resp: 79014

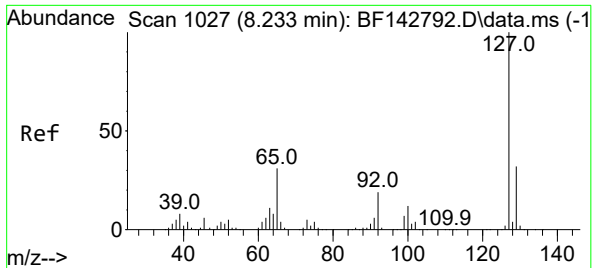
Ion Ratio Lower Upper

122 100

105 122.5 104.7 144.7

77 89.0 70.2 110.2

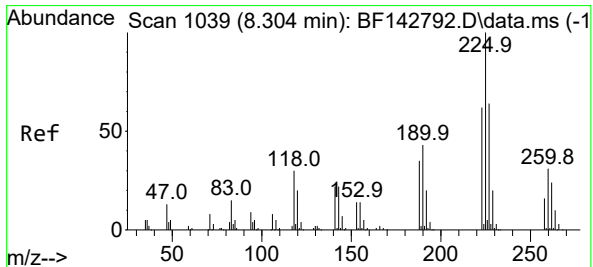
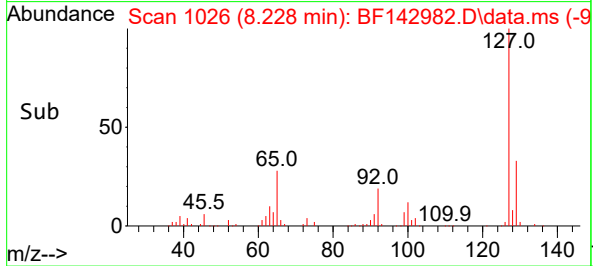
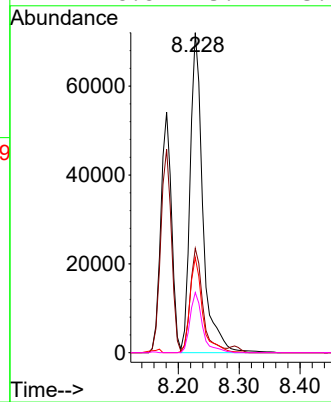
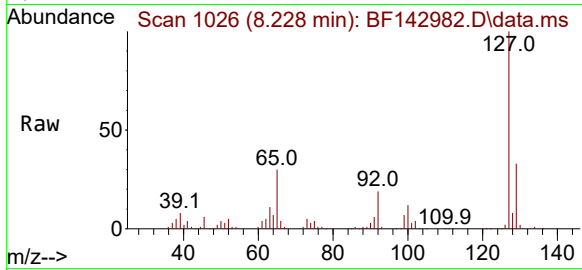




#33
4-Chloroaniline
Concen: 23.504 ng
RT: 8.228 min Scan# 1026
Delta R.T. -0.006 min
Lab File: BF142982.D
Acq: 02 Jul 2025 20:52

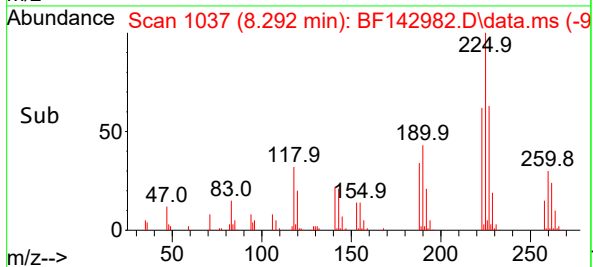
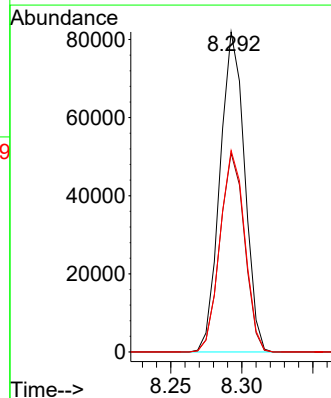
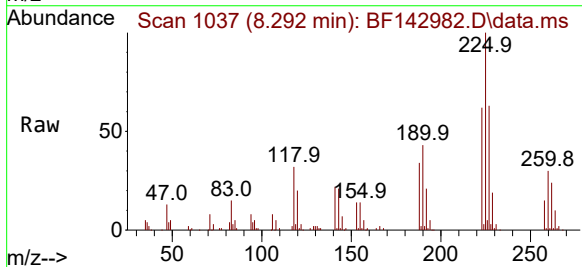
Instrument :
BNA_F
ClientSampleId :
SOIL-PILEMS

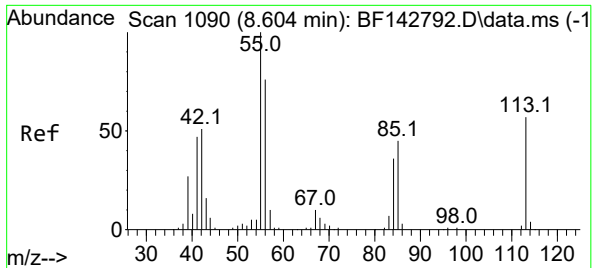
Tgt Ion:127	Resp: 104242
Ion Ratio	Lower Upper
127 100	
129 32.6	25.9 38.9
65 29.7	24.6 36.8
92 18.8	15.4 23.0



#34
Hexachlorobutadiene
Concen: 46.635 ng
RT: 8.292 min Scan# 1037
Delta R.T. -0.012 min
Lab File: BF142982.D
Acq: 02 Jul 2025 20:52

Tgt Ion:225	Resp: 98678
Ion Ratio	Lower Upper
225 100	
223 62.2	49.9 74.9
227 62.9	51.4 77.0





#35

Caprolactam

Concen: 54.620 ng

RT: 8.604 min Scan# 1090

Delta R.T. 0.000 min

Lab File: BF142982.D

Acq: 02 Jul 2025 20:52

Instrument :

BNA_F

ClientSampleId :

SOIL-PILEMS

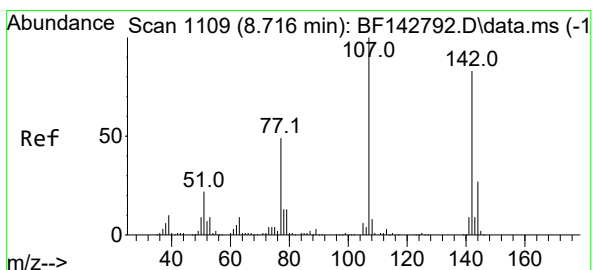
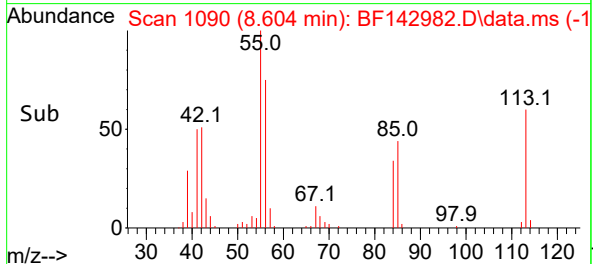
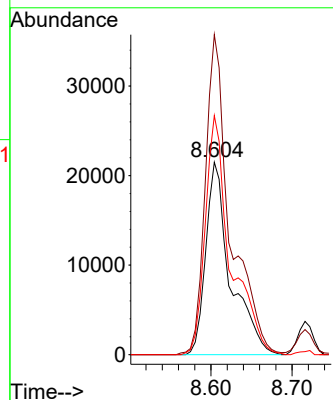
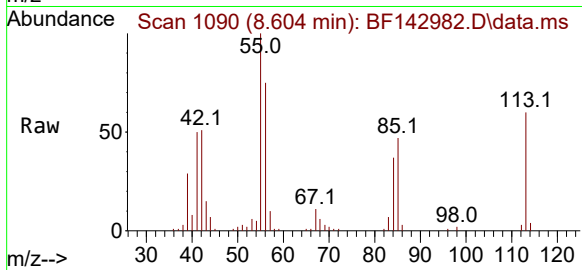
Tgt Ion:113 Resp: 45342

Ion Ratio Lower Upper

113 100

55 166.2 154.4 194.4

56 124.1 112.1 152.1



#36

4-Chloro-3-methylphenol

Concen: 47.553 ng

RT: 8.716 min Scan# 1109

Delta R.T. 0.000 min

Lab File: BF142982.D

Acq: 02 Jul 2025 20:52

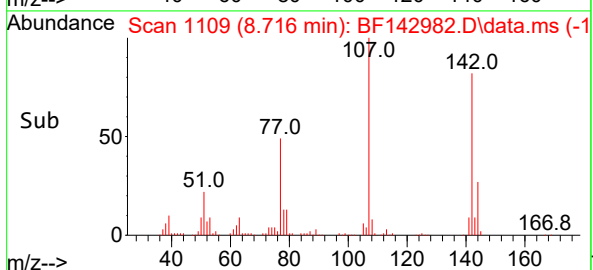
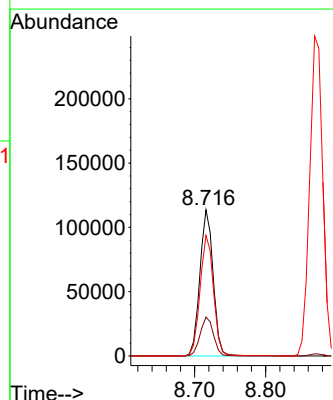
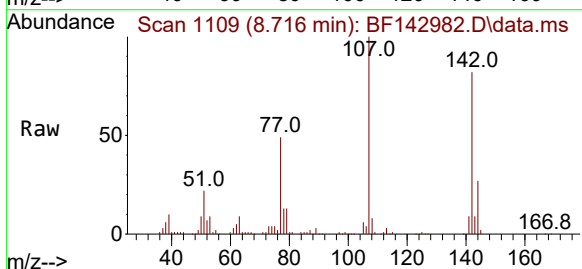
Tgt Ion:107 Resp: 148675

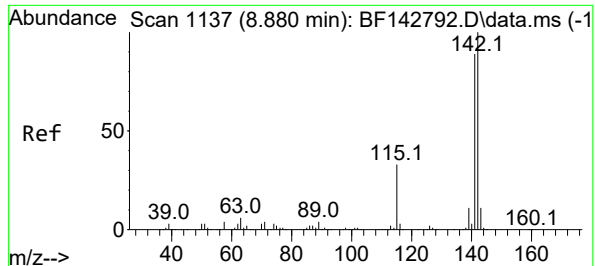
Ion Ratio Lower Upper

107 100

144 26.6 21.3 31.9

142 82.4 66.6 100.0

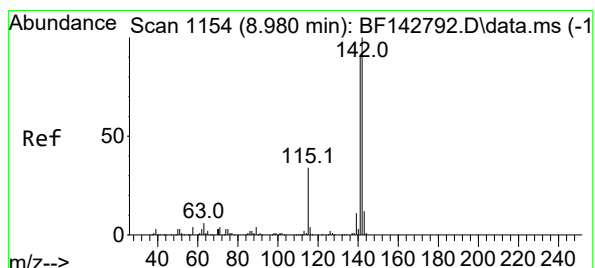
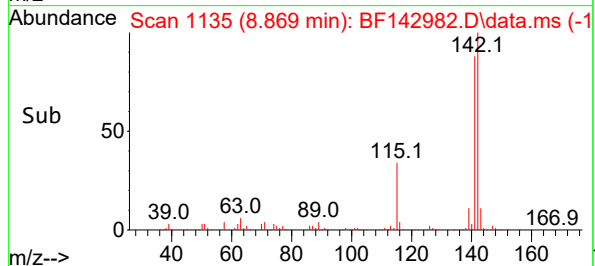
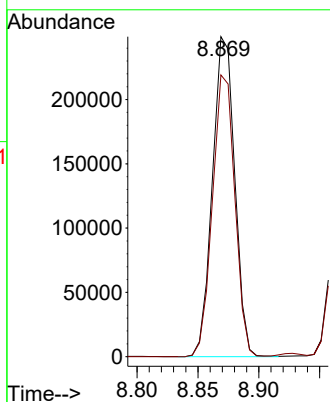
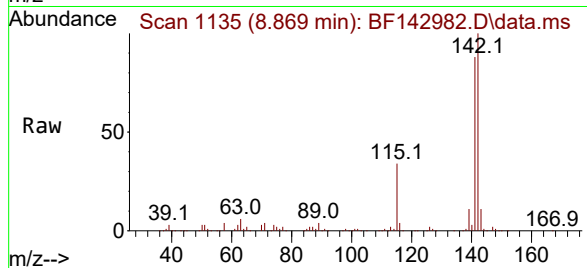




#37
2-Methylnaphthalene
Concen: 46.932 ng
RT: 8.869 min Scan# 1135
Delta R.T. -0.012 min
Lab File: BF142982.D
Acq: 02 Jul 2025 20:52

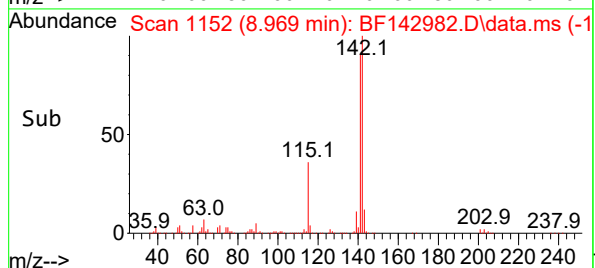
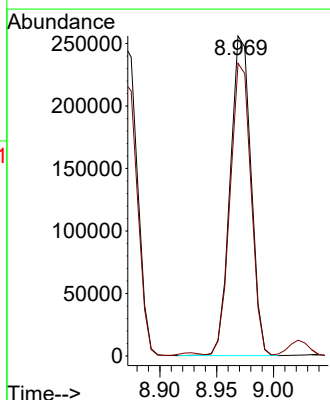
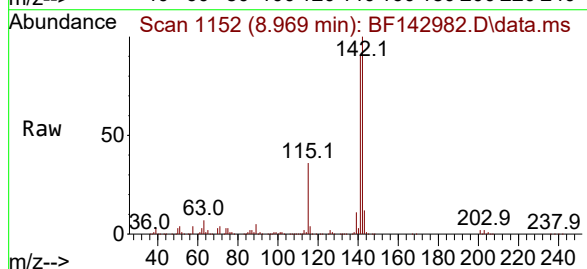
Instrument :
BNA_F
ClientSampleId :
SOIL-PILEMS

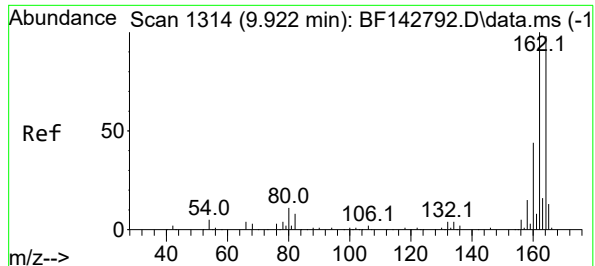
Tgt Ion:142 Resp: 317355
Ion Ratio Lower Upper
142 100
141 88.1 70.9 106.3



#38
1-Methylnaphthalene
Concen: 46.586 ng
RT: 8.969 min Scan# 1152
Delta R.T. -0.012 min
Lab File: BF142982.D
Acq: 02 Jul 2025 20:52

Tgt Ion:142 Resp: 326102
Ion Ratio Lower Upper
142 100
141 91.4 73.0 109.4





#39

Acenaphthene-d10

Concen: 20.000 ng

RT: 9.916 min Scan# 1164

Delta R.T. -0.006 min

Lab File: BF142982.D

Acq: 02 Jul 2025 20:52

Instrument :

BNA_F

ClientSampleId :

SOIL-PILEMS

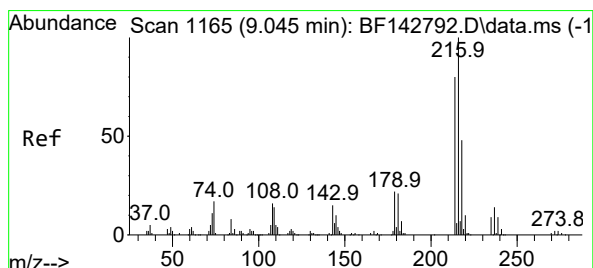
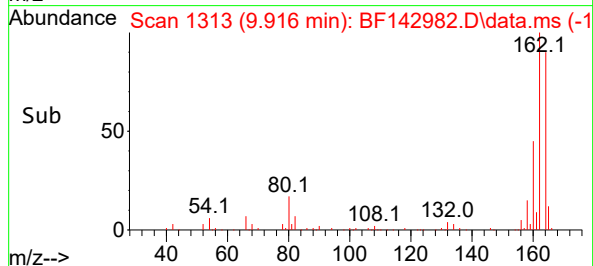
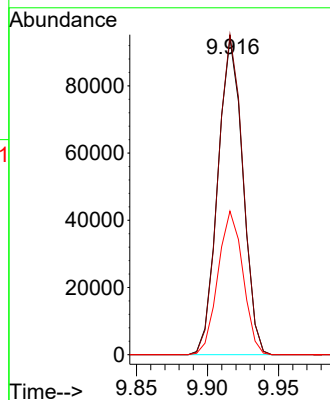
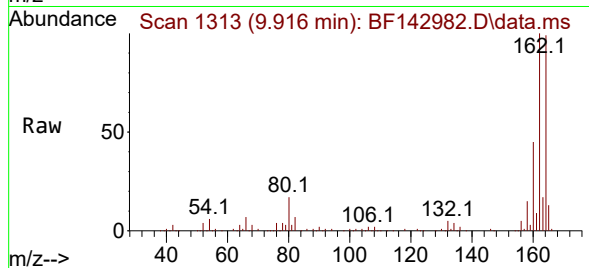
Tgt Ion:164 Resp: 115354

Ion Ratio Lower Upper

164 100

162 101.2 81.8 122.8

160 45.4 36.0 54.0



#40

1,2,4,5-Tetrachlorobenzene

Concen: 47.365 ng

RT: 9.039 min Scan# 1164

Delta R.T. -0.006 min

Lab File: BF142982.D

Acq: 02 Jul 2025 20:52

Tgt Ion:216 Resp: 161218

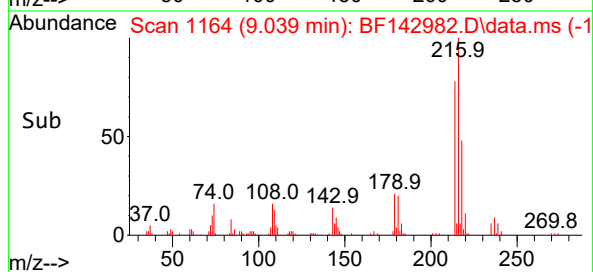
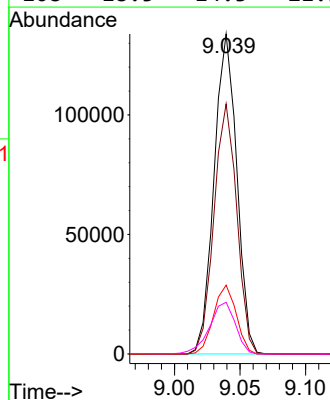
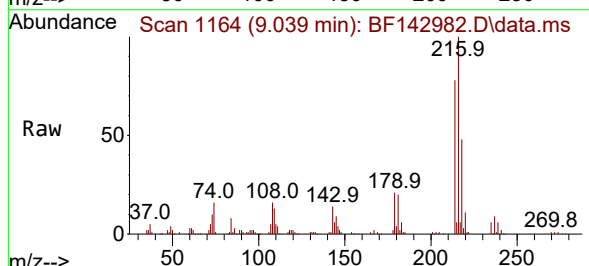
Ion Ratio Lower Upper

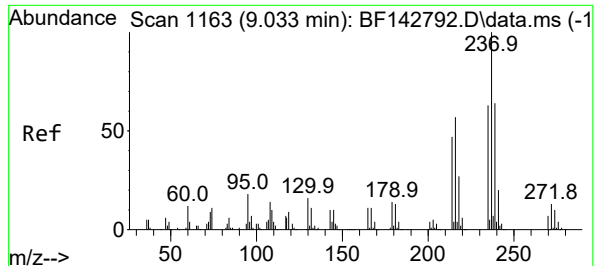
216 100

214 78.2 63.7 95.5

179 21.5 17.6 26.4

108 18.5 14.3 21.5





#41

Hexachlorocyclopentadiene

Concen: 65.332 ng

RT: 9.022 min Scan# 1161

Delta R.T. -0.012 min

Lab File: BF142982.D

Acq: 02 Jul 2025 20:52

Instrument :

BNA_F

ClientSampleId :

SOIL-PILEMS

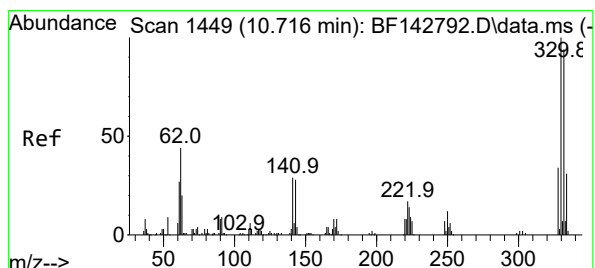
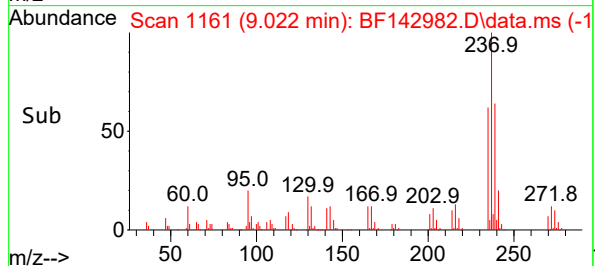
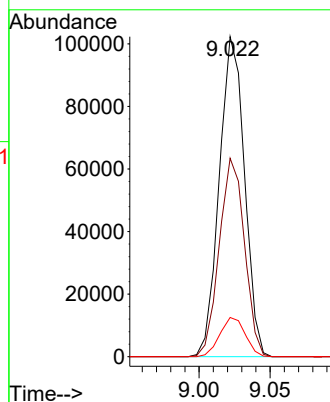
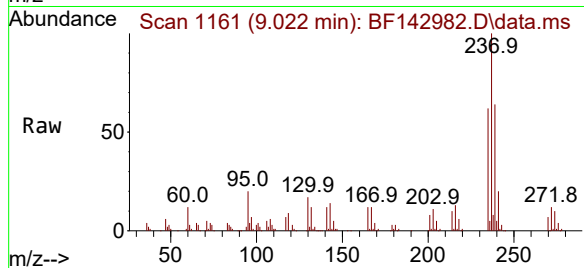
Tgt Ion:237 Resp: 126192

Ion Ratio Lower Upper

237 100

235 62.0 43.4 83.4

272 12.2 0.0 32.7



#42

2,4,6-Tribromophenol

Concen: 67.790 ng

RT: 10.710 min Scan# 1448

Delta R.T. -0.006 min

Lab File: BF142982.D

Acq: 02 Jul 2025 20:52

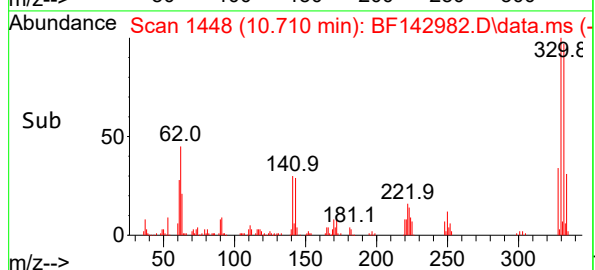
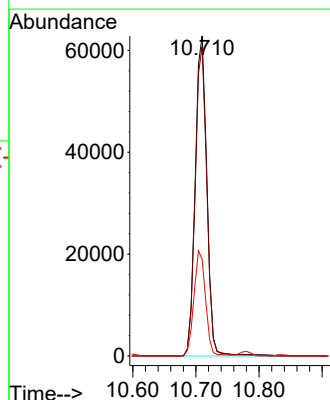
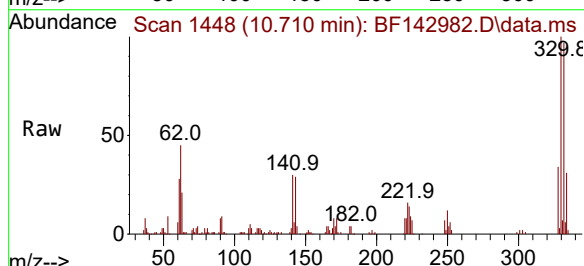
Tgt Ion:330 Resp: 80472

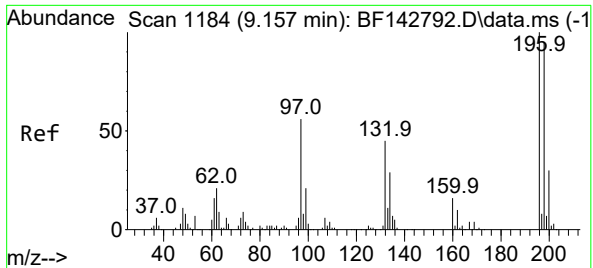
Ion Ratio Lower Upper

330 100

332 96.1 75.0 112.6

141 32.9 25.3 37.9





#43

2,4,6-Trichlorophenol

Concen: 47.636 ng

RT: 9.151 min Scan# 1184

Delta R.T. -0.006 min

Lab File: BF142982.D

Acq: 02 Jul 2025 20:52

Instrument :

BNA_F

ClientSampleId :

SOIL-PILEMS

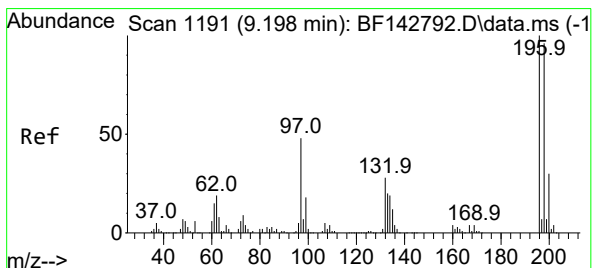
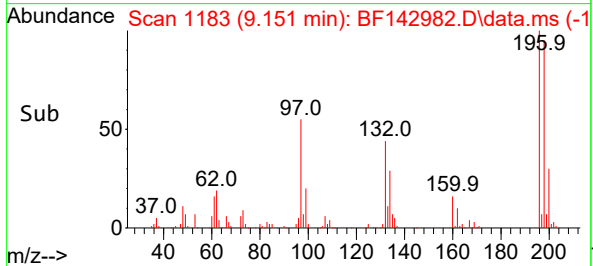
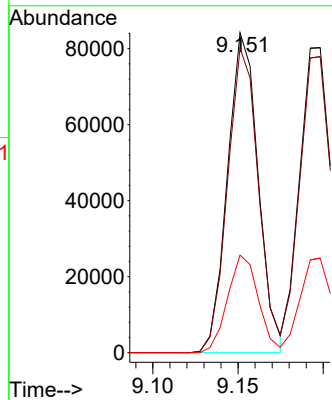
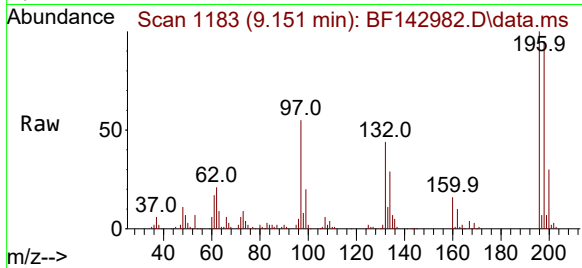
Tgt Ion:196 Resp: 105655

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: 46.159 ng

RT: 9.198 min Scan# 1191

Delta R.T. 0.000 min

Lab File: BF142982.D

Acq: 02 Jul 2025 20:52

Tgt Ion:196 Resp: 107771

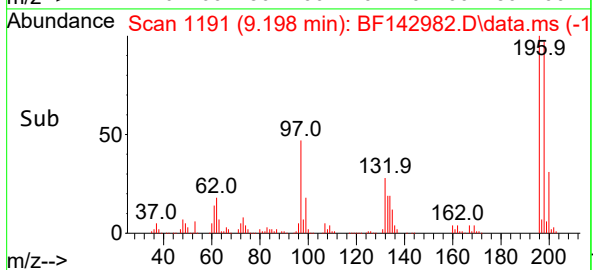
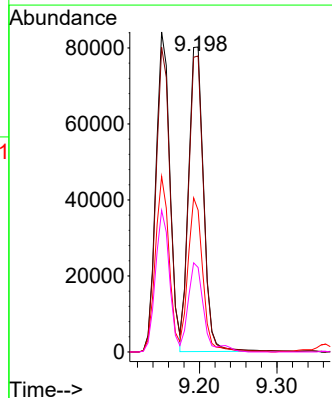
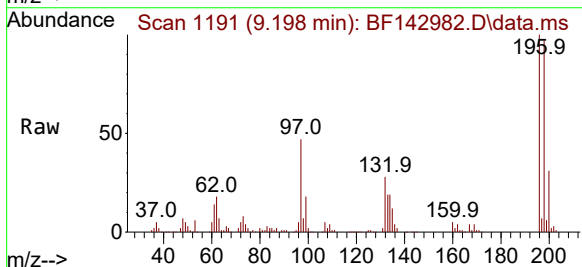
Ion Ratio Lower Upper

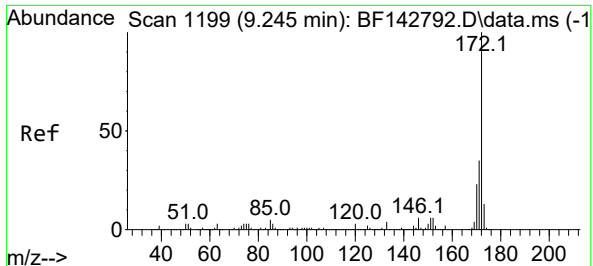
196 100

198 97.1 76.6 115.0

97 46.5 38.2 57.2

132 27.7 23.4 35.0





#45

2-Fluorobiphenyl

Concen: 43.004 ng

RT: 9.234 min Scan# 1199

Delta R.T. -0.011 min

Lab File: BF142982.D

Acq: 02 Jul 2025 20:52

Instrument :

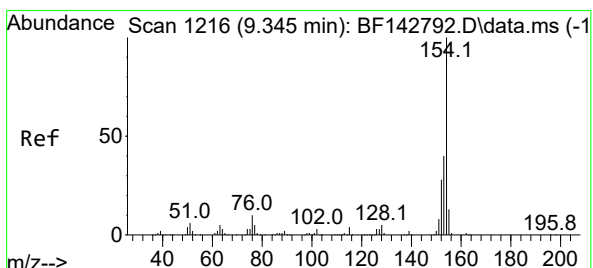
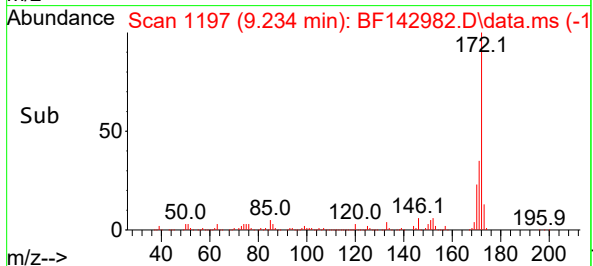
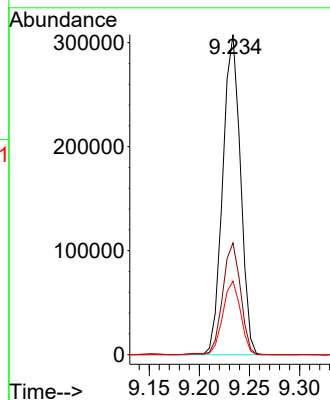
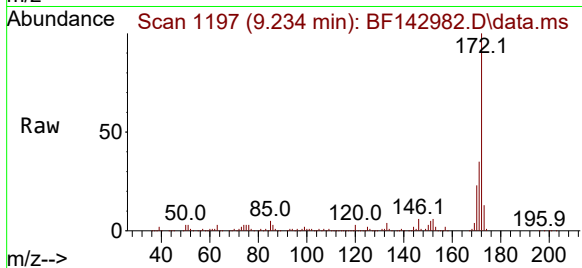
BNA_F

ClientSampleId :

SOIL-PILEMS

Tgt Ion:172 Resp: 377618

Ion	Ratio	Lower	Upper
172	100		
171	35.0	28.2	42.4
170	23.0	18.5	27.7



#46

1,1'-Biphenyl

Concen: 47.811 ng

RT: 9.334 min Scan# 1214

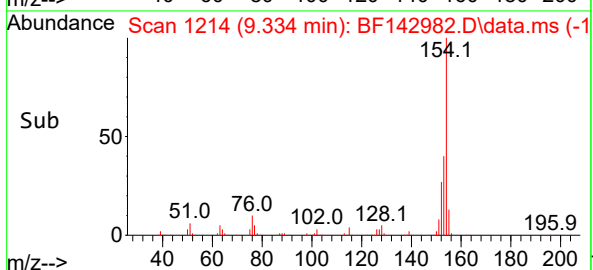
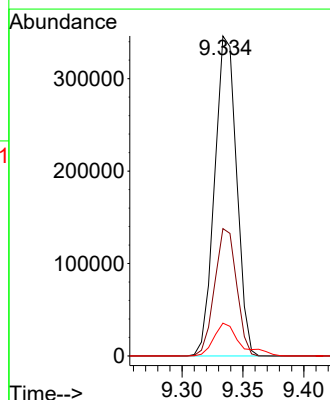
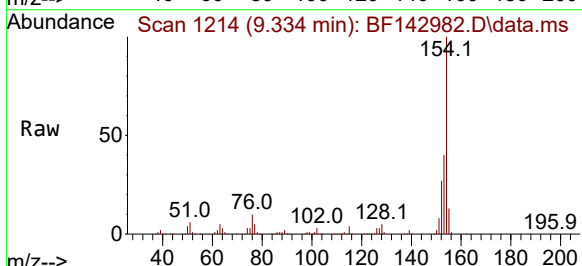
Delta R.T. -0.012 min

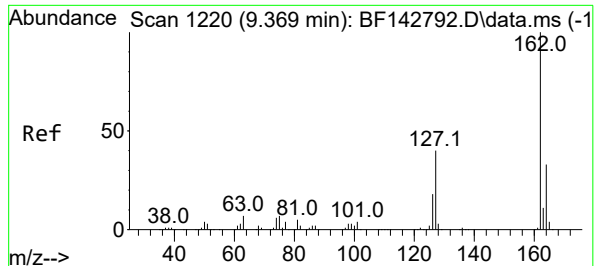
Lab File: BF142982.D

Acq: 02 Jul 2025 20:52

Tgt Ion:154 Resp: 435667

Ion	Ratio	Lower	Upper
154	100		
153	39.8	20.3	60.3
76	10.3	0.0	30.3





#47

2-Chloronaphthalene

Concen: 46.281 ng

RT: 9.363 min Scan# 1219

Delta R.T. -0.006 min

Lab File: BF142982.D

Acq: 02 Jul 2025 20:52

Instrument :

BNA_F

ClientSampleId :

SOIL-PILEMS

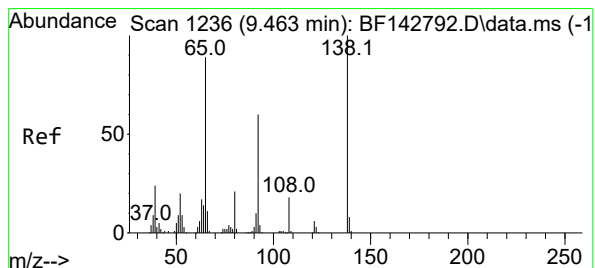
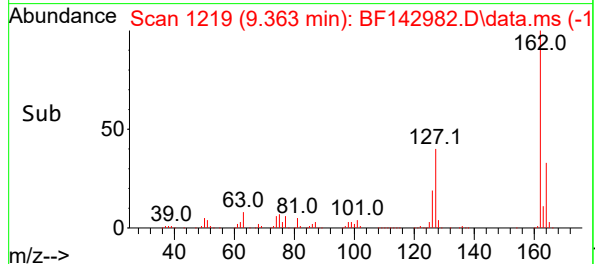
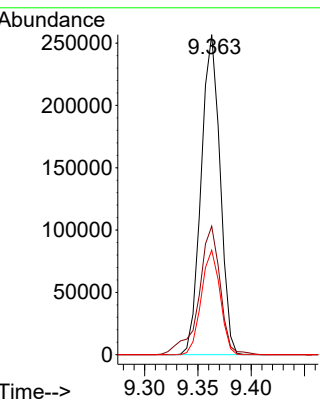
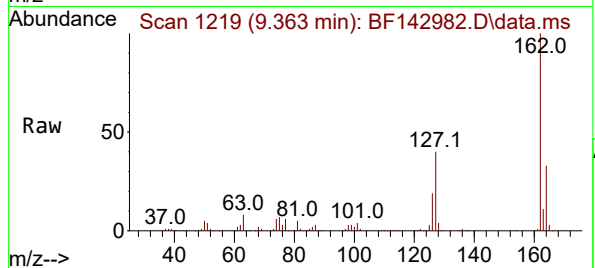
Tgt Ion:162 Resp: 316479

Ion Ratio Lower Upper

162 100

127 40.1 32.2 48.2

164 32.6 26.1 39.1



#48

2-Nitroaniline

Concen: 48.062 ng

RT: 9.457 min Scan# 1235

Delta R.T. -0.006 min

Lab File: BF142982.D

Acq: 02 Jul 2025 20:52

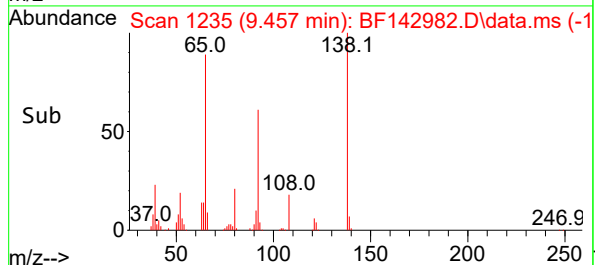
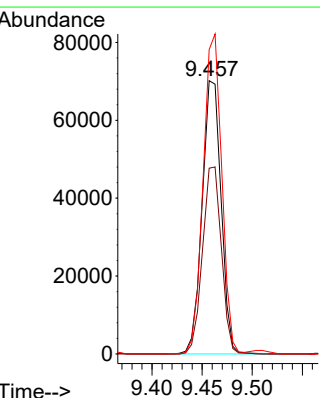
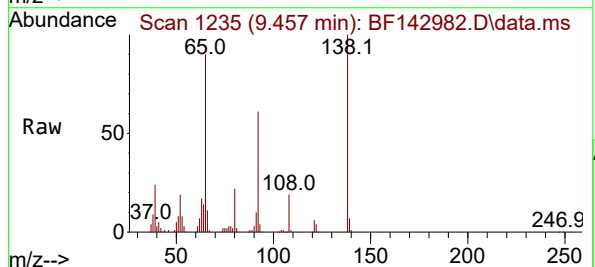
Tgt Ion: 65 Resp: 92141

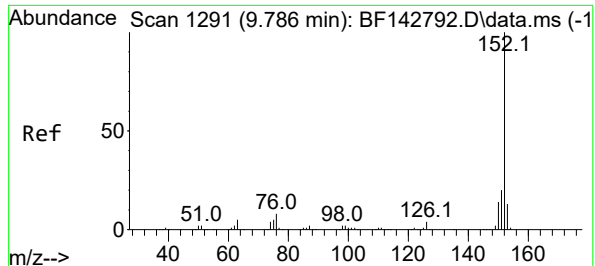
Ion Ratio Lower Upper

65 100

92 68.0 53.8 80.6

138 111.3 89.6 134.4





#49

Acenaphthylene

Concen: 47.284 ng

RT: 9.781 min Scan# 11

Delta R.T. -0.006 min

Lab File: BF142982.D

Acq: 02 Jul 2025 20:52

Instrument :

BNA_F

ClientSampleId :

SOIL-PILEMS

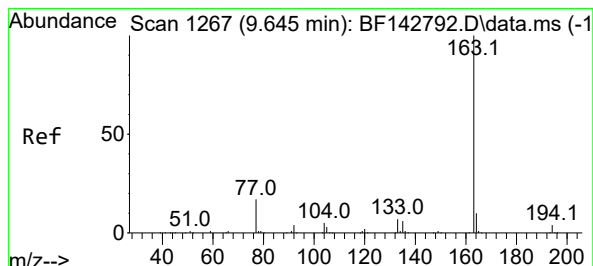
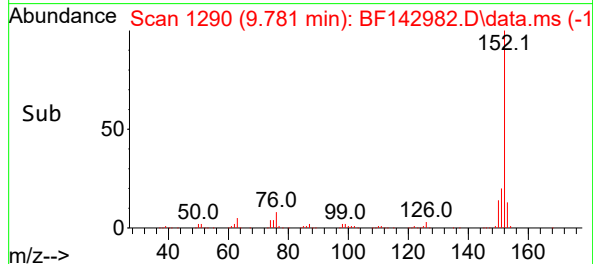
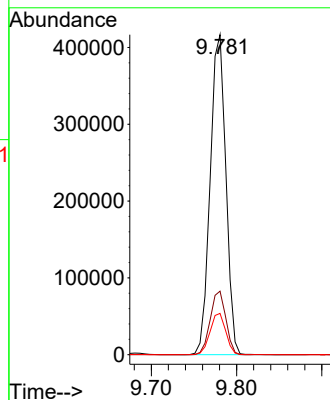
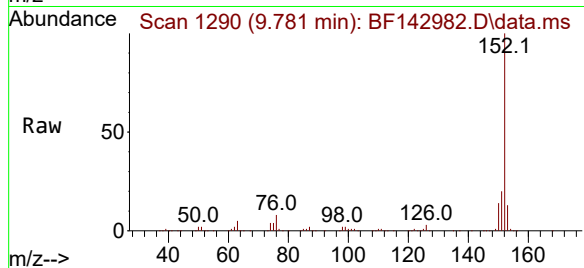
Tgt Ion:152 Resp: 532281

Ion Ratio Lower Upper

152 100

151 19.9 16.1 24.1

153 12.9 10.4 15.6



#50

Dimethylphthalate

Concen: 50.571 ng

RT: 9.639 min Scan# 1266

Delta R.T. -0.006 min

Lab File: BF142982.D

Acq: 02 Jul 2025 20:52

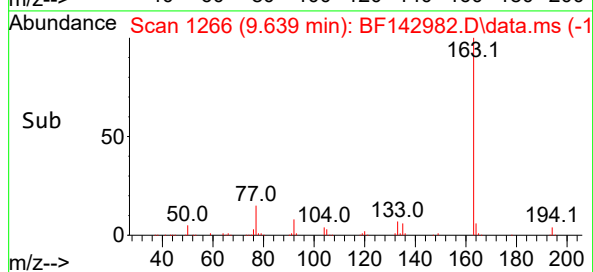
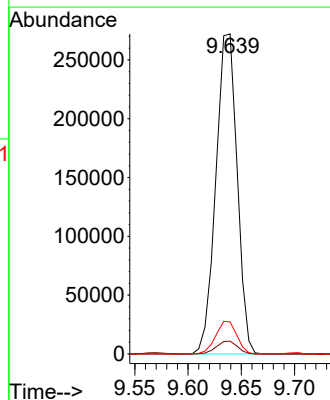
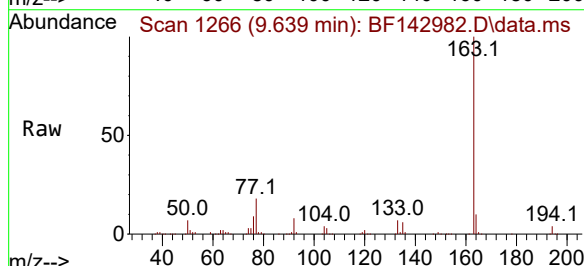
Tgt Ion:163 Resp: 377610

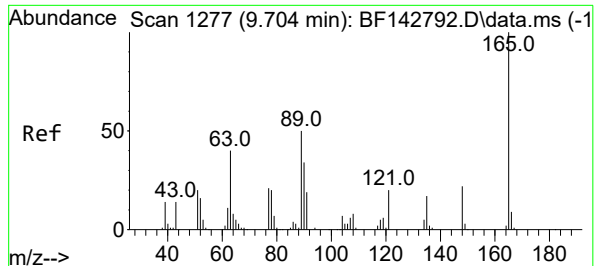
Ion Ratio Lower Upper

163 100

194 4.0 3.3 4.9

164 10.0 8.0 12.0

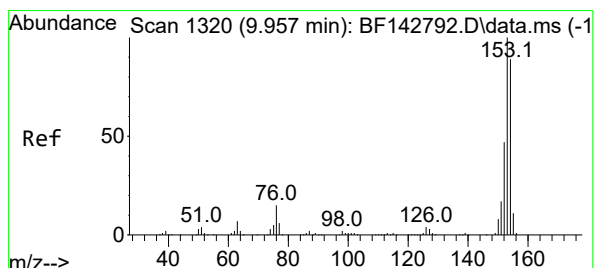
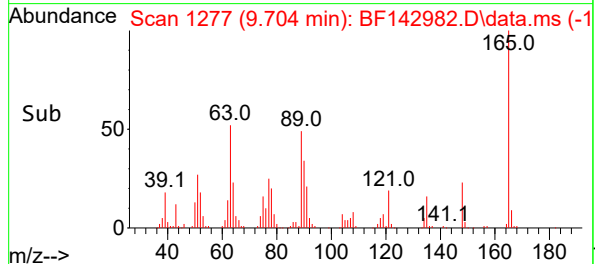
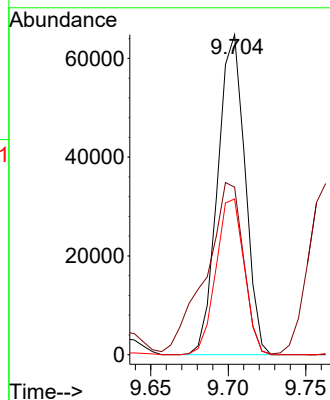
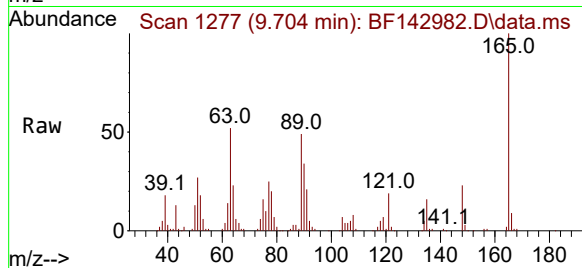




#51
2,6-Dinitrotoluene
Concen: 48.498 ng
RT: 9.704 min Scan# 1319
Delta R.T. 0.000 min
Lab File: BF142982.D
Acq: 02 Jul 2025 20:52

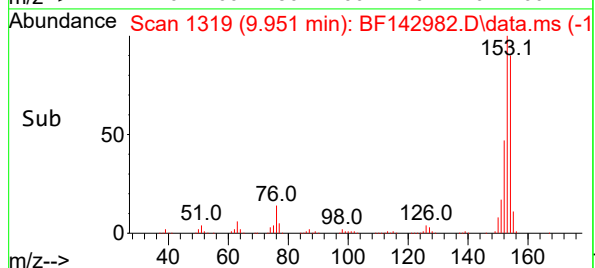
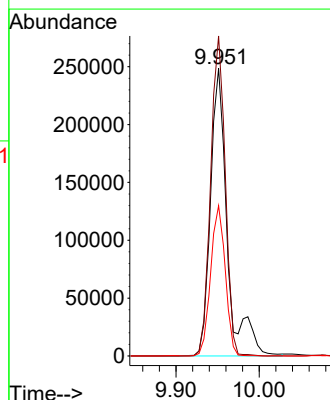
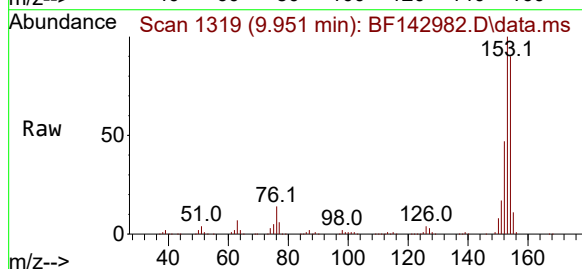
Instrument :
BNA_F
ClientSampleId :
SOIL-PILEMS

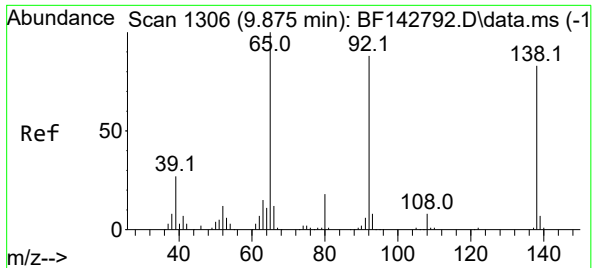
Tgt Ion:165 Resp: 79528
Ion Ratio Lower Upper
165 100
63 52.4 44.2 66.4
89 48.7 39.8 59.8



#52
Acenaphthene
Concen: 50.956 ng m
RT: 9.951 min Scan# 1319
Delta R.T. -0.006 min
Lab File: BF142982.D
Acq: 02 Jul 2025 20:52

Tgt Ion:154 Resp: 349979
Ion Ratio Lower Upper
154 100
153 111.3 90.0 135.0
152 52.3 41.9 62.9

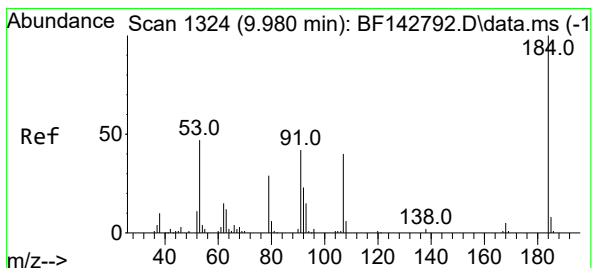
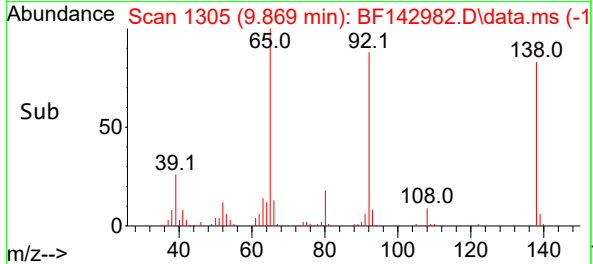
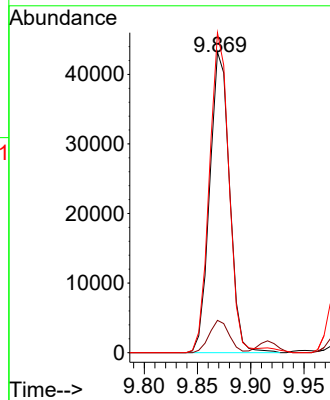
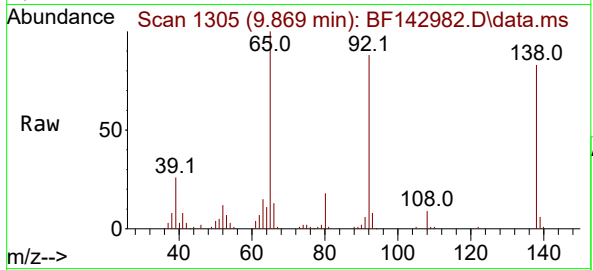




#53
3-Nitroaniline
Concen: 31.030 ng
RT: 9.869 min Scan# 11
Delta R.T. -0.006 min
Lab File: BF142982.D
Acq: 02 Jul 2025 20:52

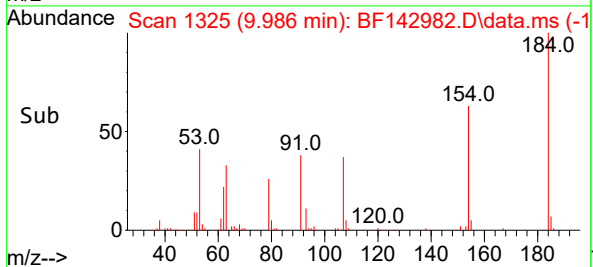
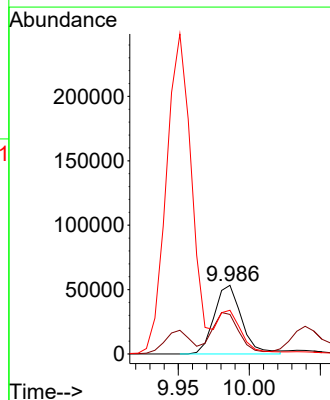
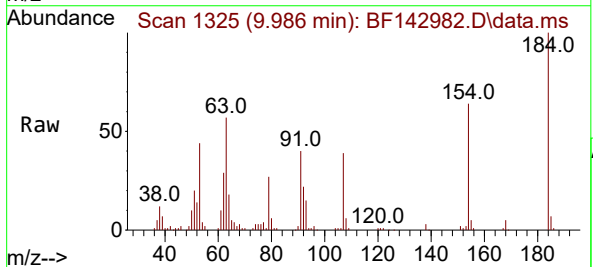
Instrument :
BNA_F
ClientSampleId :
SOIL-PILEMS

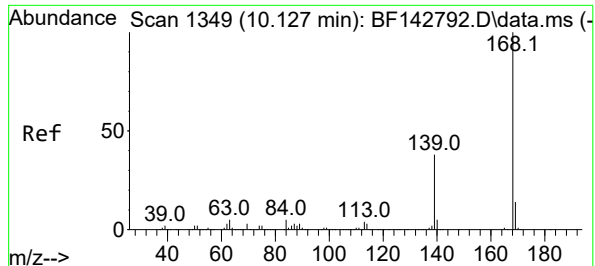
Tgt Ion:138 Resp: 56022
Ion Ratio Lower Upper
138 100
108 10.7 8.1 12.1
92 106.4 85.1 127.7



#54
2,4-Dinitrophenol
Concen: 87.477 ng
RT: 9.986 min Scan# 1325
Delta R.T. 0.006 min
Lab File: BF142982.D
Acq: 02 Jul 2025 20:52

Tgt Ion:184 Resp: 71826
Ion Ratio Lower Upper
184 100
63 57.5 50.6 75.8
154 63.6 51.8 77.8





#55

Dibenzenofuran

Concen: 46.470 ng

RT: 10.122 min Scan# 1348

Delta R.T. -0.006 min

Lab File: BF142982.D

Acq: 02 Jul 2025 20:52

Instrument :

BNA_F

ClientSampleId :

SOIL-PILEMS

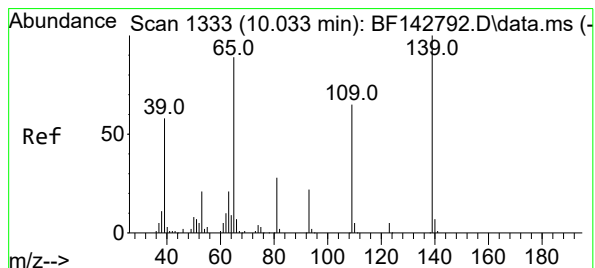
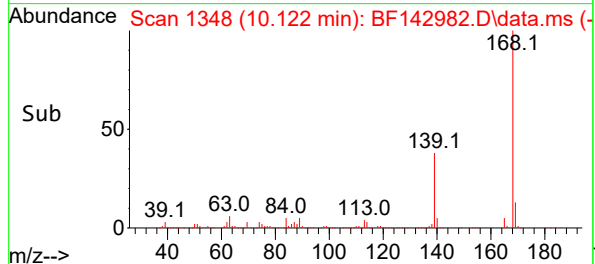
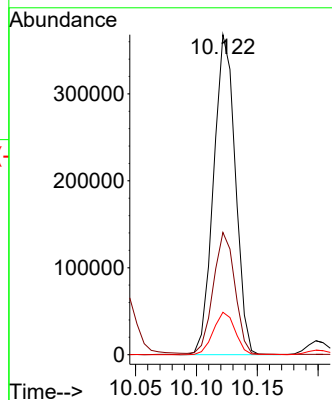
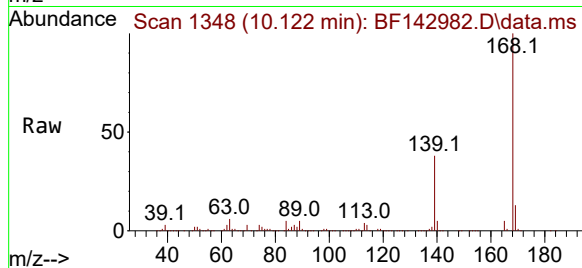
Tgt Ion:168 Resp: 457672

Ion Ratio Lower Upper

168 100

139 38.2 30.2 45.4

169 13.2 10.8 16.2



#56

4-Nitrophenol

Concen: 85.325 ng

RT: 10.039 min Scan# 1334

Delta R.T. 0.006 min

Lab File: BF142982.D

Acq: 02 Jul 2025 20:52

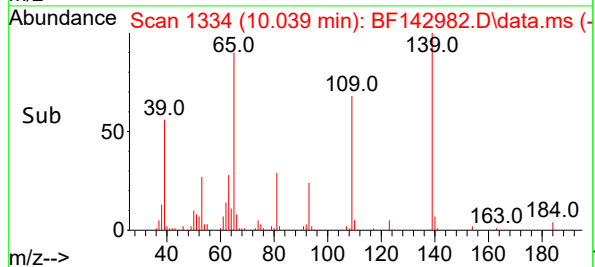
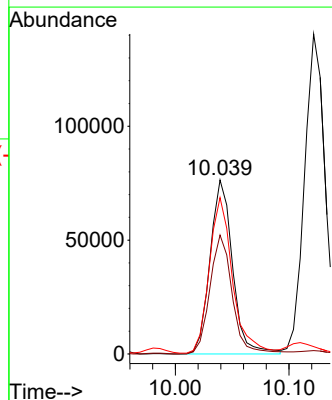
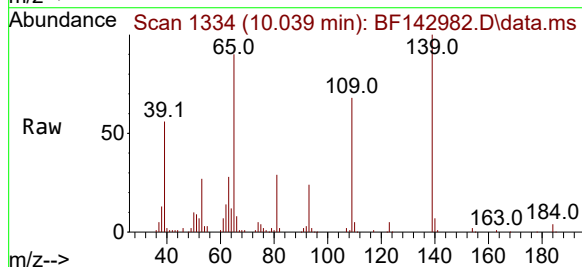
Tgt Ion:139 Resp: 105462

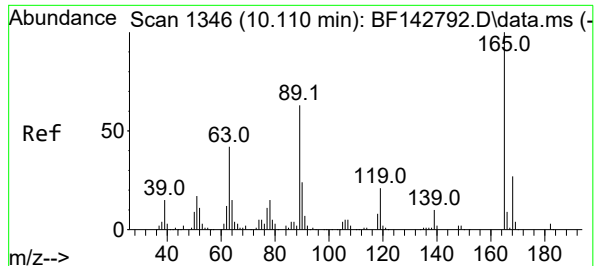
Ion Ratio Lower Upper

139 100

109 68.3 44.7 84.7

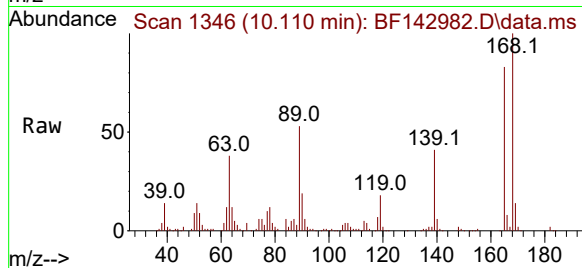
65 89.9 69.8 109.8



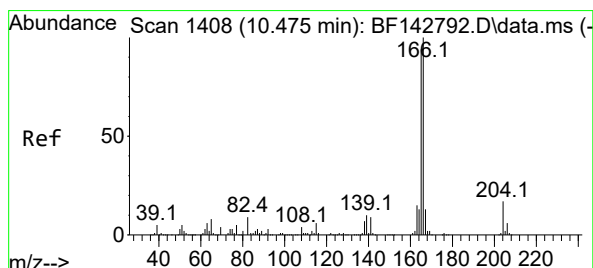
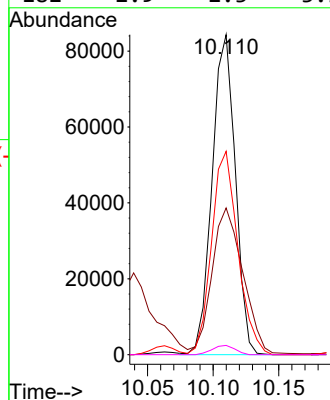
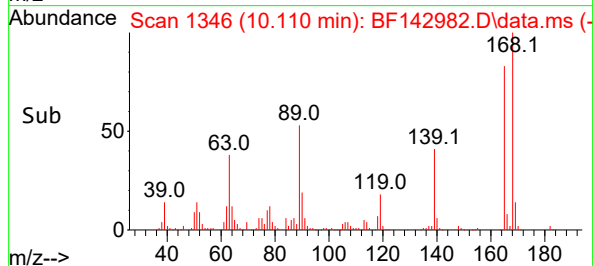


#57
2,4-Dinitrotoluene
Concen: 47.604 ng
RT: 10.110 min Scan# 11
Delta R.T. 0.000 min
Lab File: BF142982.D
Acq: 02 Jul 2025 20:52

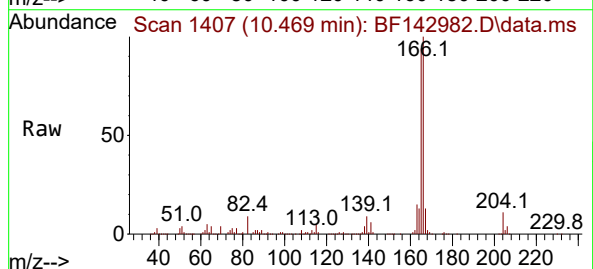
Instrument :
BNA_F
ClientSampleId :
SOIL-PILEMS



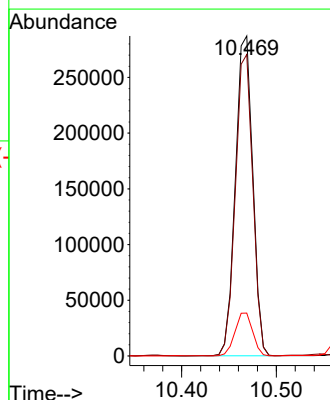
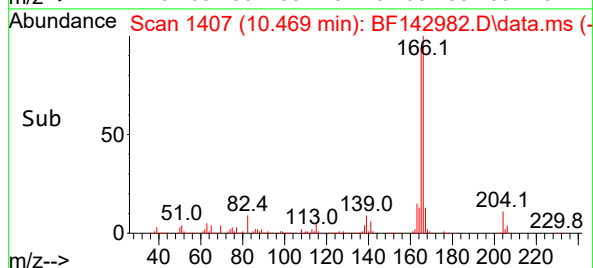
Tgt Ion:165 Resp: 103688
Ion Ratio Lower Upper
165 100
63 45.9 33.9 50.9
89 63.6 50.6 75.8
182 2.9 2.3 3.5

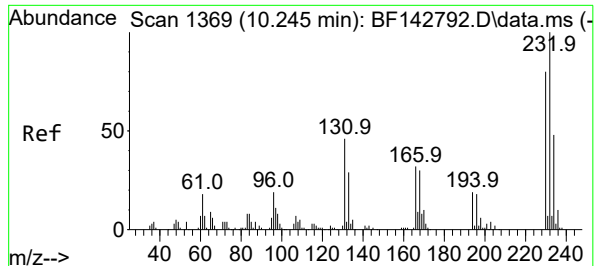


#58
Fluorene
Concen: 47.539 ng
RT: 10.469 min Scan# 1407
Delta R.T. -0.006 min
Lab File: BF142982.D
Acq: 02 Jul 2025 20:52



Tgt Ion:166 Resp: 365658
Ion Ratio Lower Upper
166 100
165 94.2 75.2 112.8
167 13.4 10.6 15.8

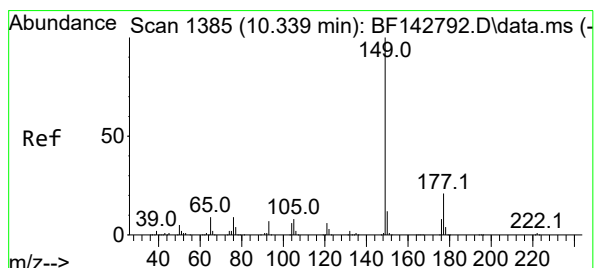
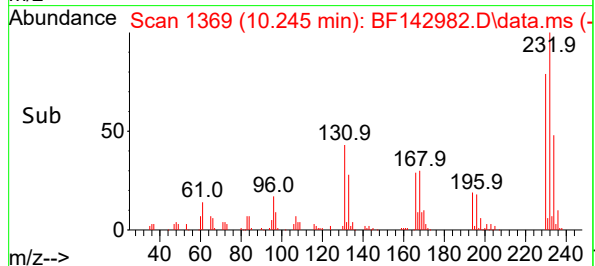
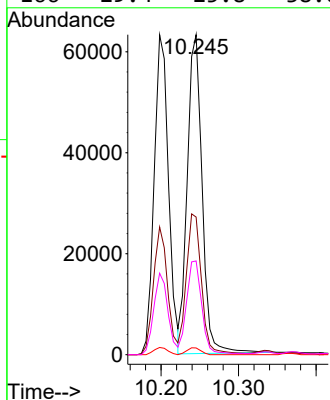
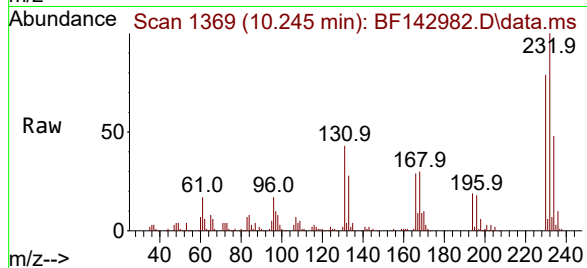




#59
2,3,4,6-Tetrachlorophenol
Concen: 44.647 ng
RT: 10.245 min Scan# 1369
Delta R.T. 0.000 min
Lab File: BF142982.D
Acq: 02 Jul 2025 20:52

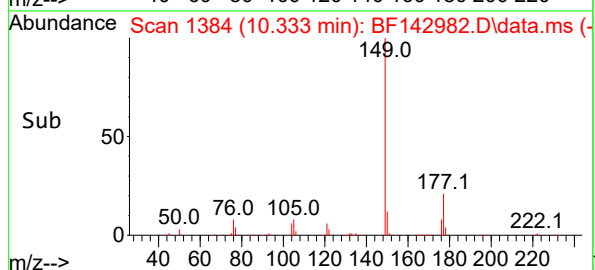
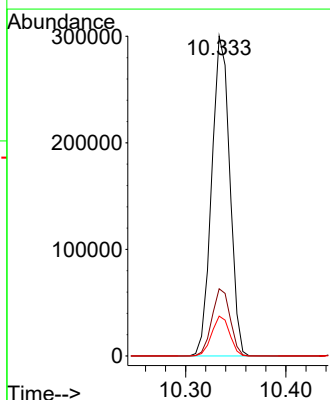
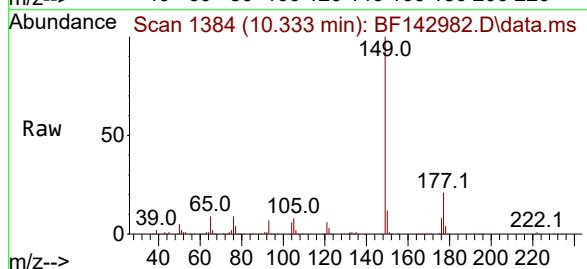
Instrument :
BNA_F
ClientSampleId :
SOIL-PILEMS

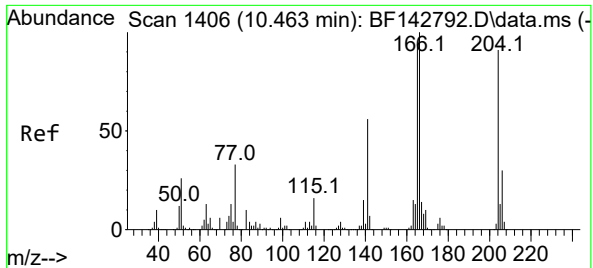
Tgt Ion:232 Resp: 84024
Ion Ratio Lower Upper
232 100
131 44.0 37.6 56.4
130 2.1 1.7 2.5
166 29.4 25.8 38.6



#60
Diethylphthalate
Concen: 51.315 ng
RT: 10.333 min Scan# 1384
Delta R.T. -0.006 min
Lab File: BF142982.D
Acq: 02 Jul 2025 20:52

Tgt Ion:149 Resp: 375686
Ion Ratio Lower Upper
149 100
177 21.0 17.0 25.6
150 12.4 9.8 14.6

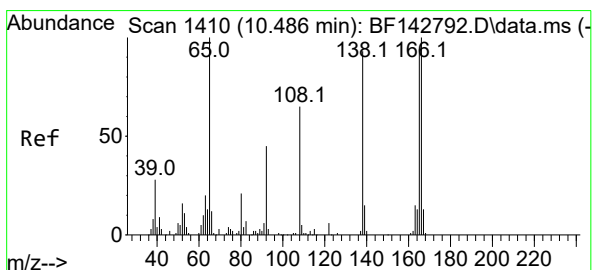
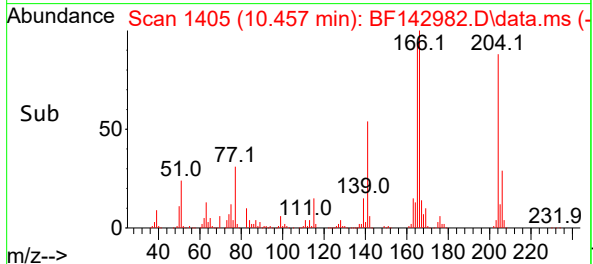
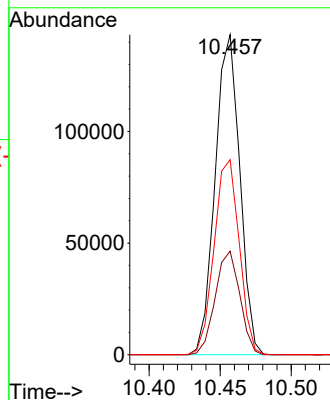
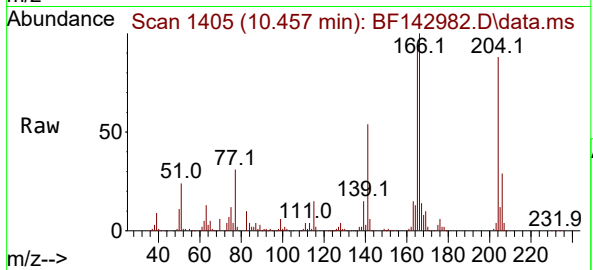




#61
4-Chlorophenyl-phenylether
Concen: 47.139 ng
RT: 10.457 min Scan# 1405
Delta R.T. -0.006 min
Lab File: BF142982.D
Acq: 02 Jul 2025 20:52

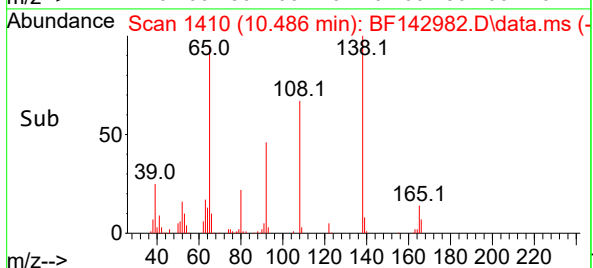
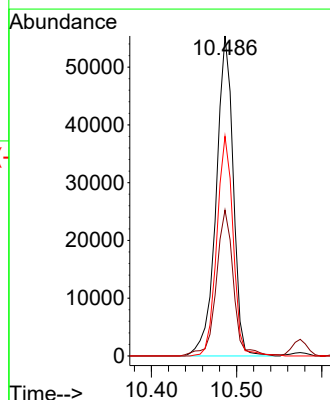
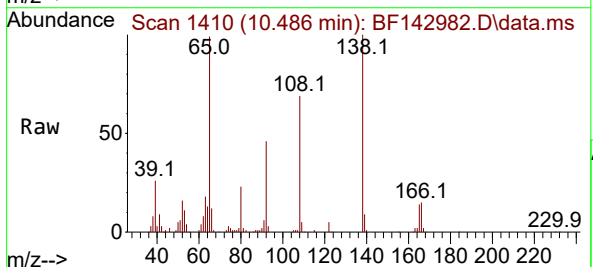
Instrument :
BNA_F
ClientSampleId :
SOIL-PILEMS

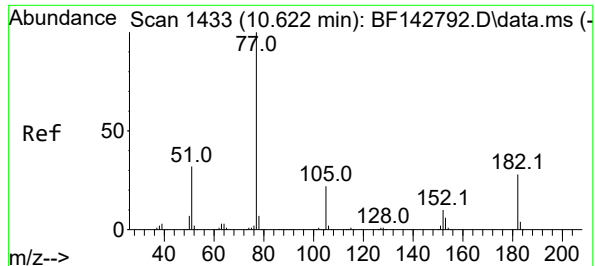
Tgt Ion:204 Resp: 173018
Ion Ratio Lower Upper
204 100
206 32.3 26.3 39.5
141 61.0 49.1 73.7



#62
4-Nitroaniline
Concen: 46.798 ng
RT: 10.486 min Scan# 1410
Delta R.T. 0.000 min
Lab File: BF142982.D
Acq: 02 Jul 2025 20:52

Tgt Ion:138 Resp: 77272
Ion Ratio Lower Upper
138 100
92 45.6 28.4 68.4
108 68.7 50.2 90.2





#63

Azobenzene

Concen: 49.573 ng

RT: 10.616 min Scan# 1433

Delta R.T. -0.006 min

Lab File: BF142982.D

Acq: 02 Jul 2025 20:52

Instrument :

BNA_F

ClientSampleId :

SOIL-PILEMS

Tgt Ion: 77 Resp: 324375

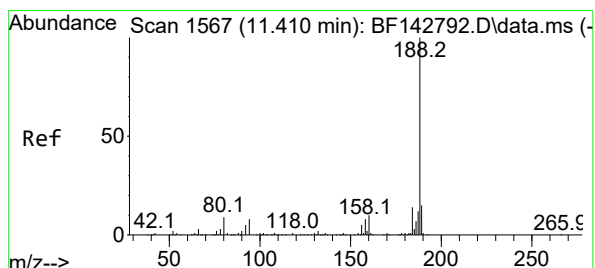
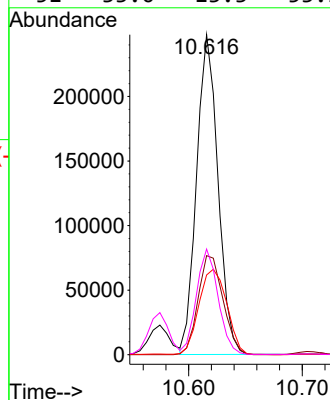
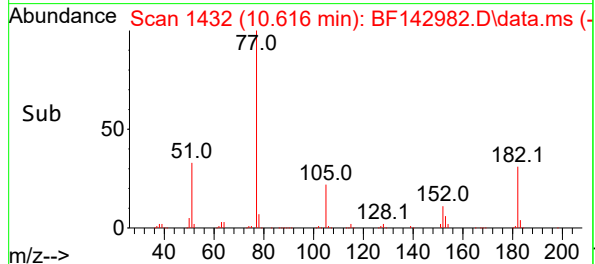
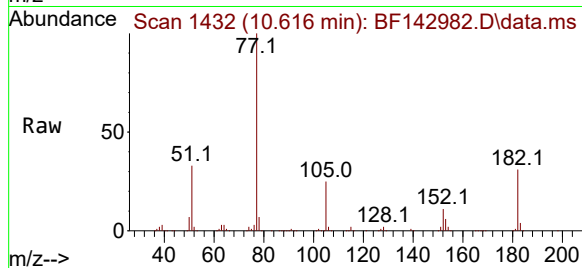
Ion Ratio Lower Upper

77 100

182 30.9 7.7 47.7

105 24.9 1.9 41.9

51 33.0 13.3 53.3



#64

Phenanthrene-d10

Concen: 20.000 ng

RT: 11.404 min Scan# 1566

Delta R.T. -0.006 min

Lab File: BF142982.D

Acq: 02 Jul 2025 20:52

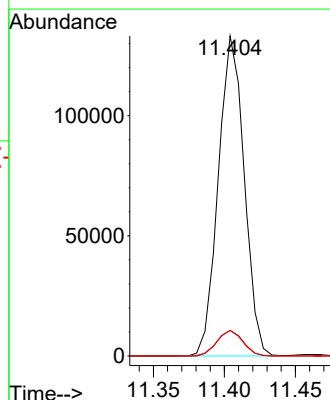
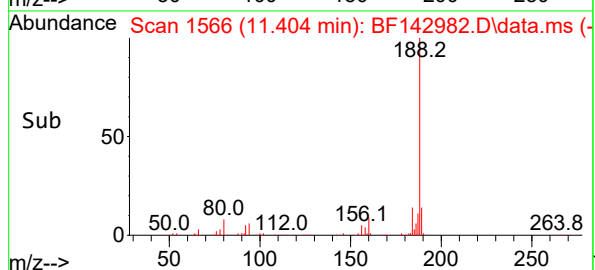
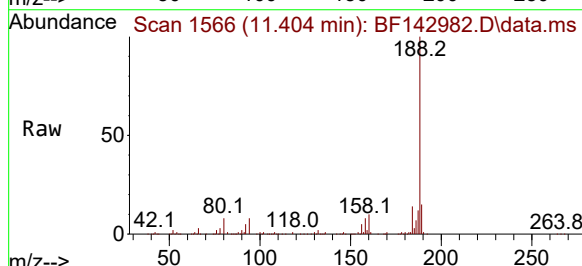
Tgt Ion: 188 Resp: 168872

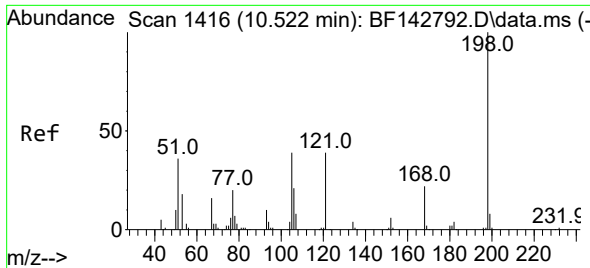
Ion Ratio Lower Upper

188 100

94 8.0 6.7 10.1

80 8.0 6.9 10.3

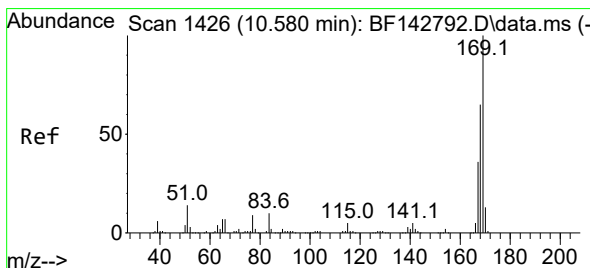
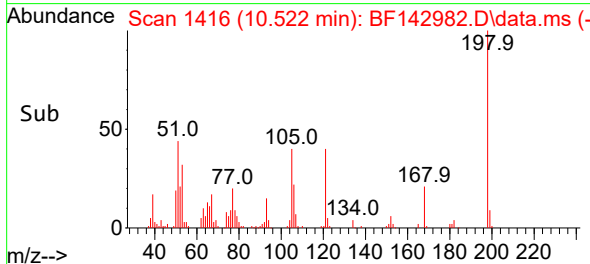
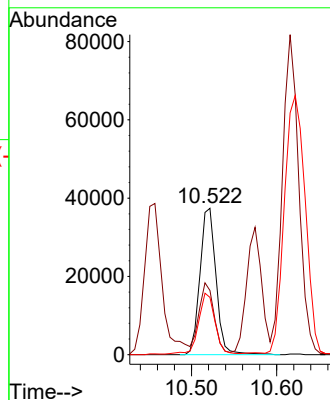
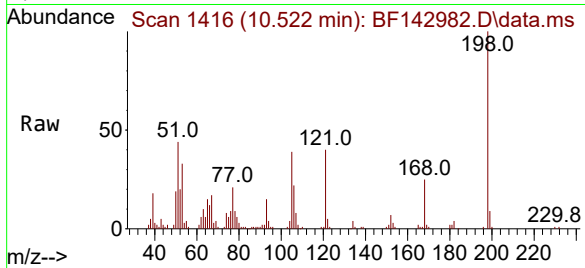




#65
4,6-Dinitro-2-methylphenol
Concen: 48.083 ng
RT: 10.522 min Scan# 1416
Delta R.T. 0.000 min
Lab File: BF142982.D
Acq: 02 Jul 2025 20:52

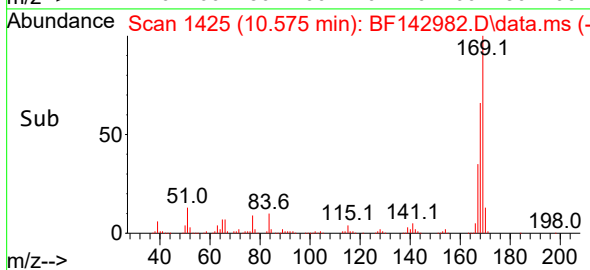
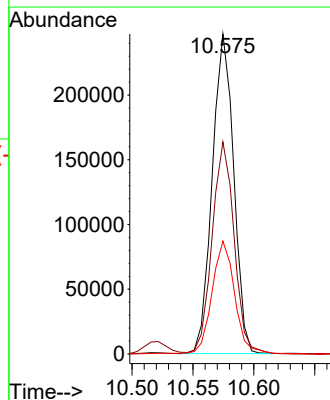
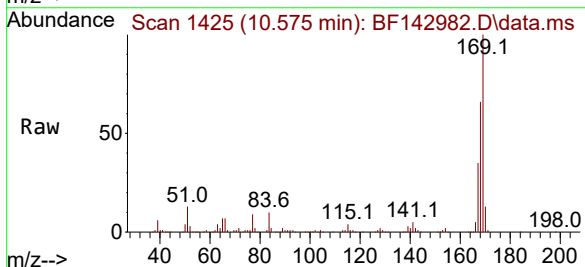
Instrument :
BNA_F
ClientSampleId :
SOIL-PILEMS

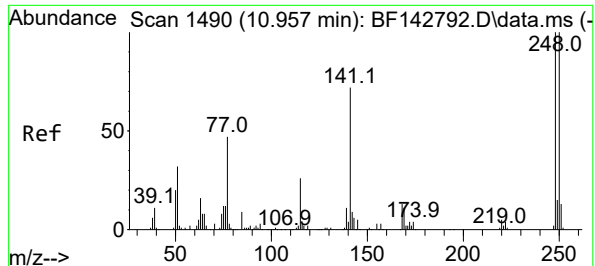
Tgt Ion:198 Resp: 49114
Ion Ratio Lower Upper
198 100
51 43.8 25.4 65.4
105 39.2 20.4 60.4



#66
n-Nitrosodiphenylamine
Concen: 51.611 ng
RT: 10.575 min Scan# 1425
Delta R.T. -0.006 min
Lab File: BF142982.D
Acq: 02 Jul 2025 20:52

Tgt Ion:169 Resp: 302063
Ion Ratio Lower Upper
169 100
168 66.2 51.9 77.9
167 35.3 28.5 42.7

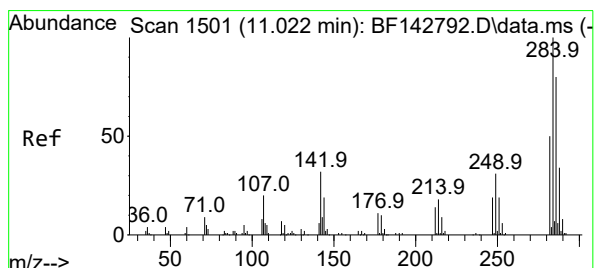
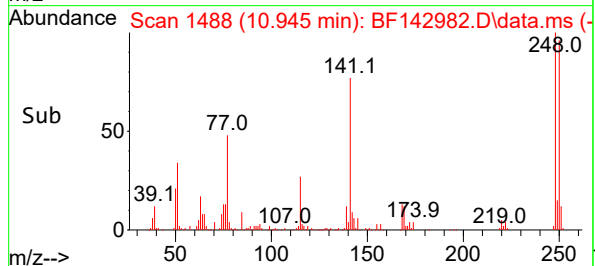
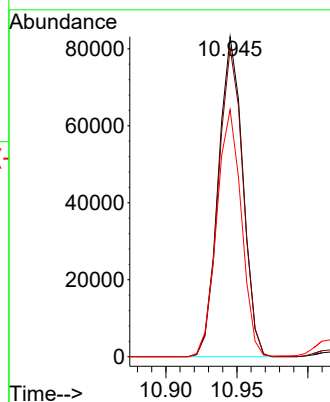
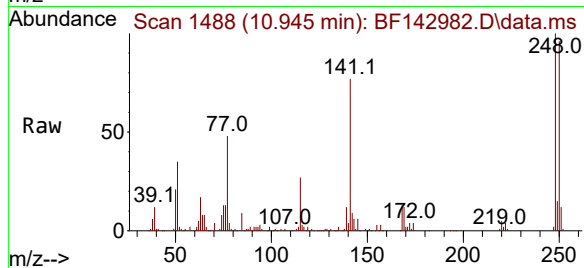




#67
4-Bromophenyl-phenylether
Concen: 51.866 ng
RT: 10.945 min Scan# 1490
Delta R.T. -0.012 min
Lab File: BF142982.D
Acq: 02 Jul 2025 20:52

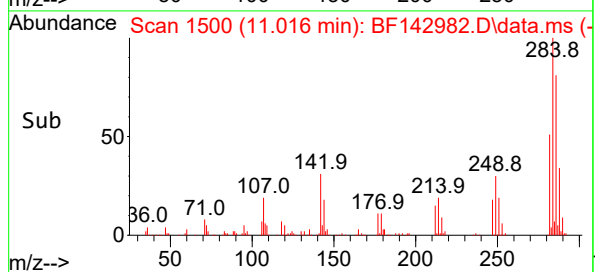
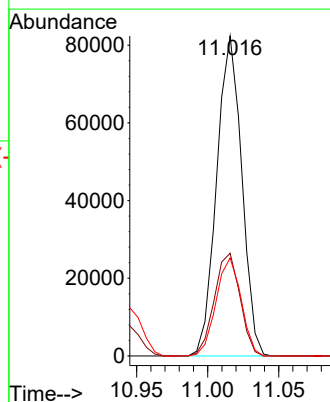
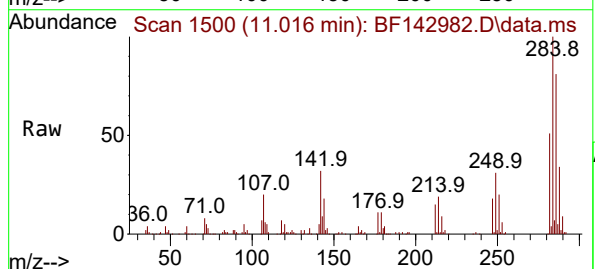
Instrument :
BNA_F
ClientSampleId :
SOIL-PILEMS

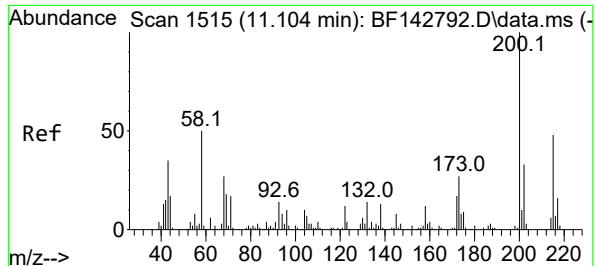
Tgt Ion:248 Resp: 99683
Ion Ratio Lower Upper
248 100
250 96.5 79.8 119.8
141 77.2 57.8 86.6



#68
Hexachlorobenzene
Concen: 47.292 ng
RT: 11.016 min Scan# 1500
Delta R.T. -0.006 min
Lab File: BF142982.D
Acq: 02 Jul 2025 20:52

Tgt Ion:284 Resp: 100995
Ion Ratio Lower Upper
284 100
142 32.1 25.5 38.3
249 30.7 24.9 37.3





#69

Atrazine

Concen: 58.948 ng

RT: 11.104 min Scan# 1515

Delta R.T. 0.000 min

Lab File: BF142982.D

Acq: 02 Jul 2025 20:52

Instrument :

BNA_F

ClientSampleId :

SOIL-PILEMS

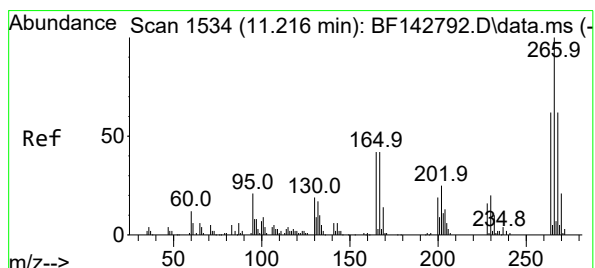
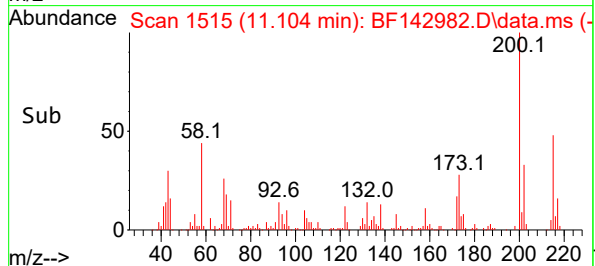
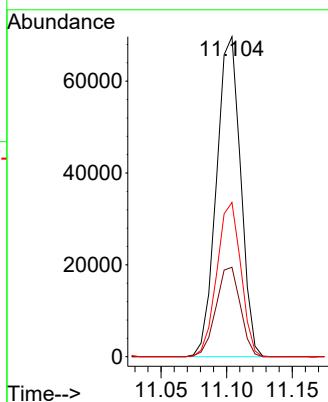
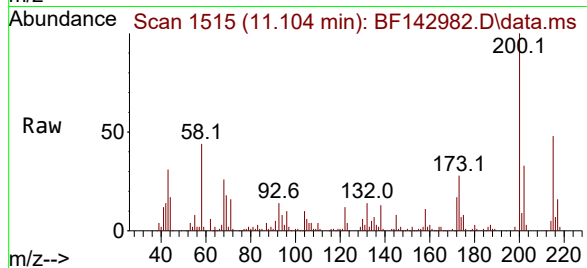
Tgt Ion:200 Resp: 89091

Ion Ratio Lower Upper

200 100

173 27.9 7.4 47.4

215 48.2 28.4 68.4



#70

Pentachlorophenol

Concen: 92.939 ng

RT: 11.210 min Scan# 1533

Delta R.T. -0.006 min

Lab File: BF142982.D

Acq: 02 Jul 2025 20:52

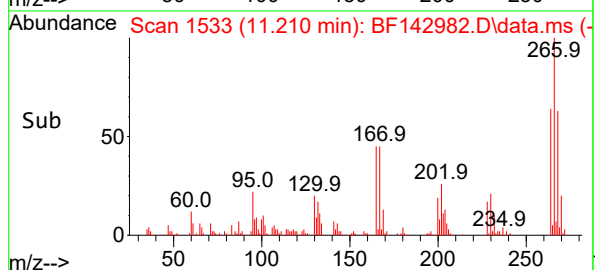
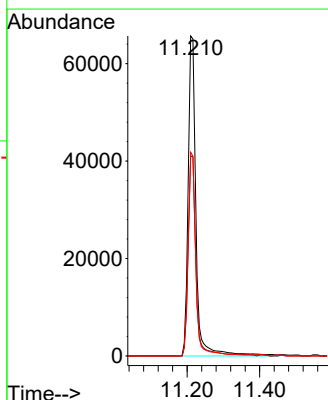
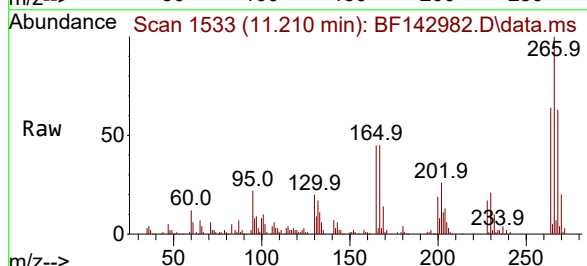
Tgt Ion:266 Resp: 98902

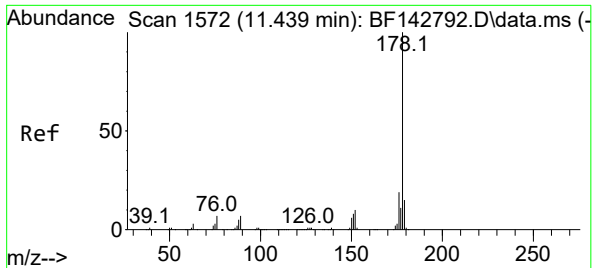
Ion Ratio Lower Upper

266 100

268 62.6 49.8 74.8

264 63.7 49.9 74.9

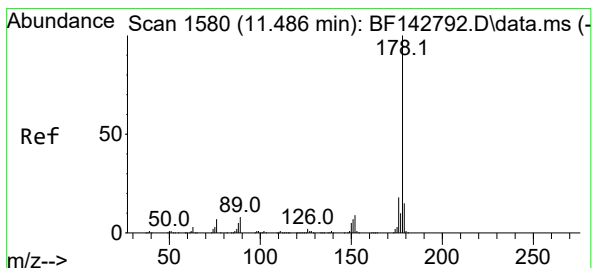
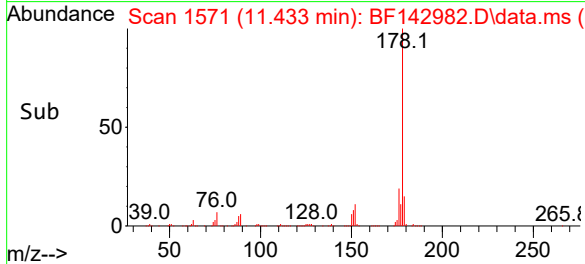
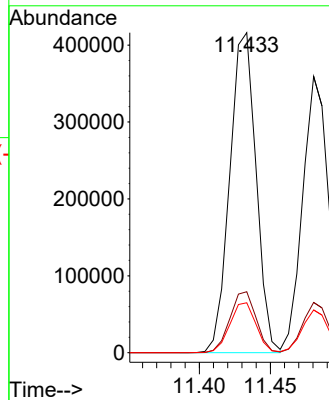
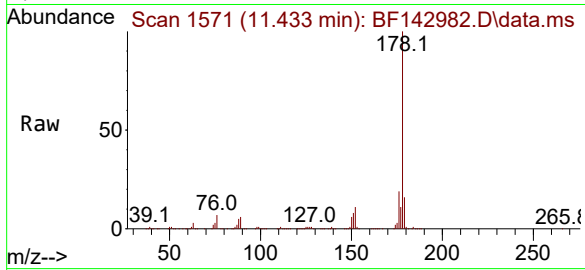




#71
Phenanthrene
Concen: 58.665 ng
RT: 11.433 min Scan# 1572
Delta R.T. -0.006 min
Lab File: BF142982.D
Acq: 02 Jul 2025 20:52

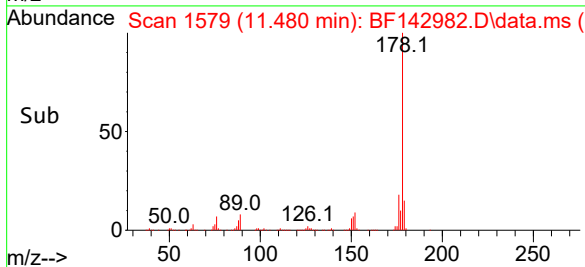
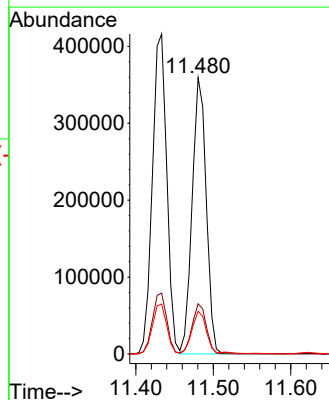
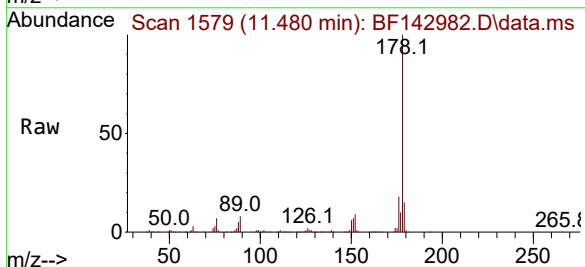
Instrument :
BNA_F
ClientSampleId :
SOIL-PILEMS

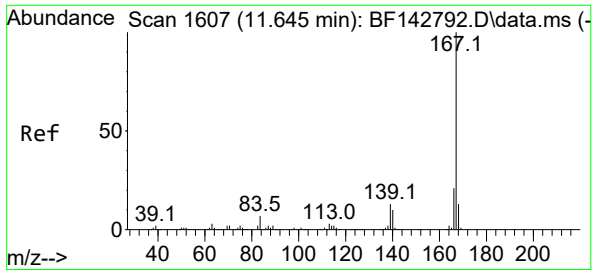
Tgt Ion:178 Resp: 536655
Ion Ratio Lower Upper
178 100
176 19.0 15.1 22.7
179 15.6 12.0 18.0



#72
Anthracene
Concen: 48.316 ng
RT: 11.480 min Scan# 1579
Delta R.T. -0.006 min
Lab File: BF142982.D
Acq: 02 Jul 2025 20:52

Tgt Ion:178 Resp: 453294
Ion Ratio Lower Upper
178 100
176 18.2 14.6 21.8
179 15.5 12.4 18.6

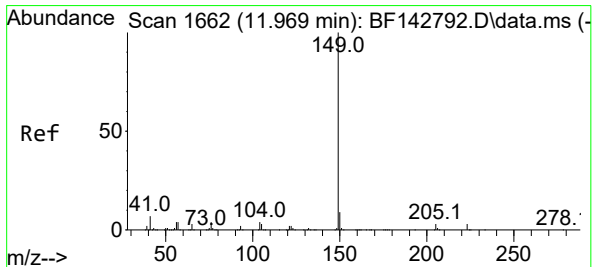
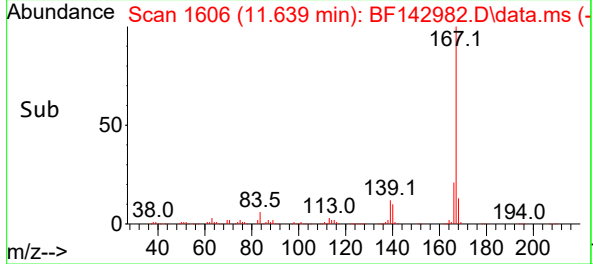
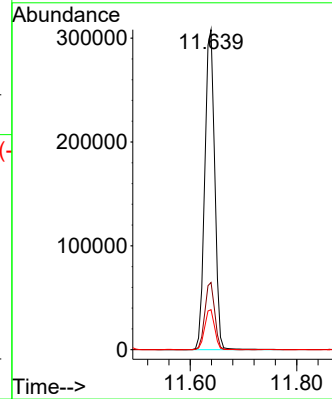
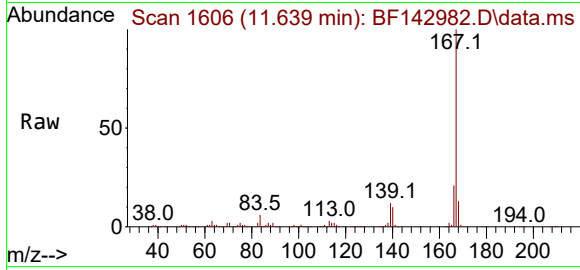




#73
 Carbazole
 Concen: 49.182 ng
 RT: 11.639 min Scan# 1606
 Delta R.T. -0.006 min
 Lab File: BF142982.D
 Acq: 02 Jul 2025 20:52

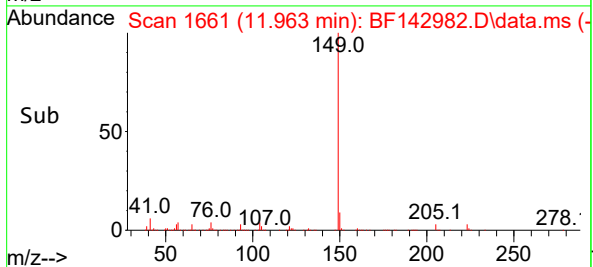
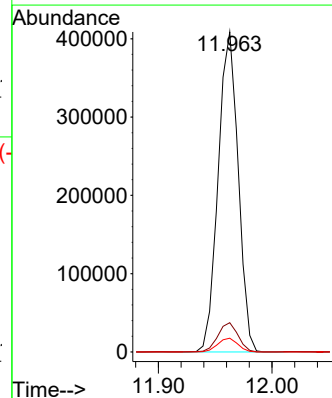
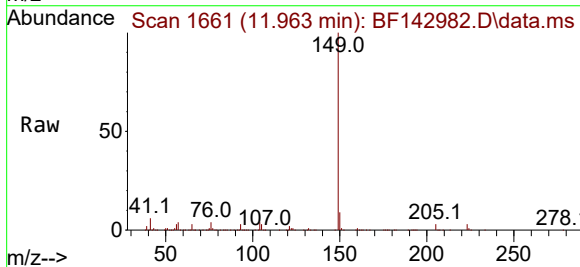
Instrument :
 BNA_F
 ClientSampleId :
 SOIL-PILEMS

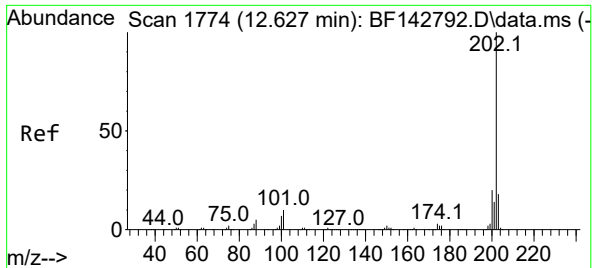
Tgt Ion:167 Resp: 398188
 Ion Ratio Lower Upper
 167 100
 166 21.0 17.0 25.4
 139 12.5 10.2 15.2



#74
 Di-n-butylphthalate
 Concen: 59.411 ng
 RT: 11.963 min Scan# 1661
 Delta R.T. -0.006 min
 Lab File: BF142982.D
 Acq: 02 Jul 2025 20:52

Tgt Ion:149 Resp: 501082
 Ion Ratio Lower Upper
 149 100
 150 9.1 7.4 11.0
 104 4.3 3.5 5.3

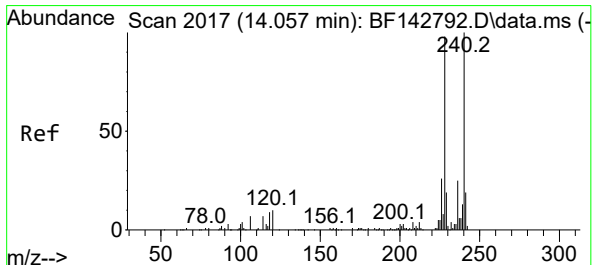
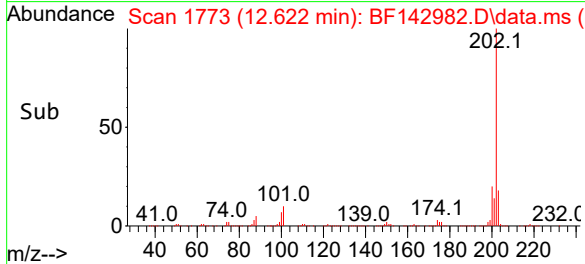
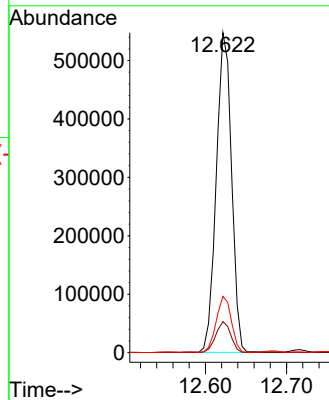
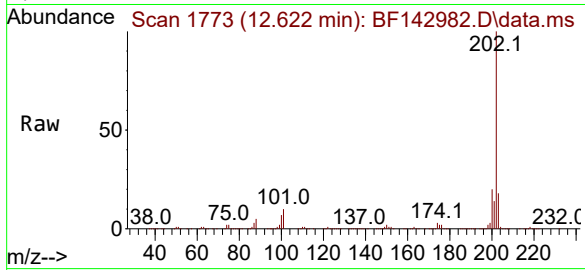




#75
Fluoranthene
Concen: 82.465 ng
RT: 12.622 min Scan# 1774
Delta R.T. -0.006 min
Lab File: BF142982.D
Acq: 02 Jul 2025 20:52

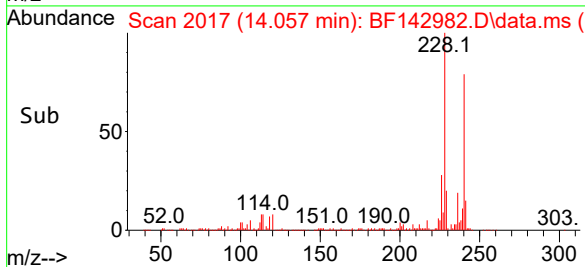
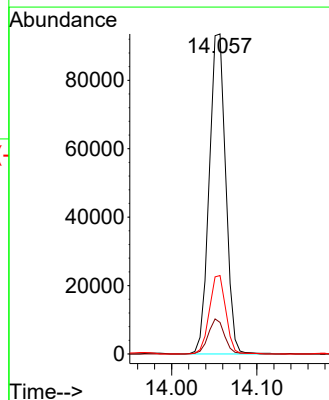
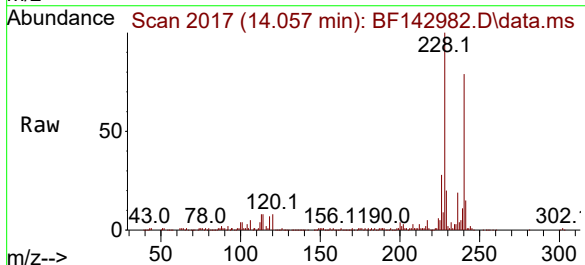
Instrument :
BNA_F
ClientSampleId :
SOIL-PILEMS

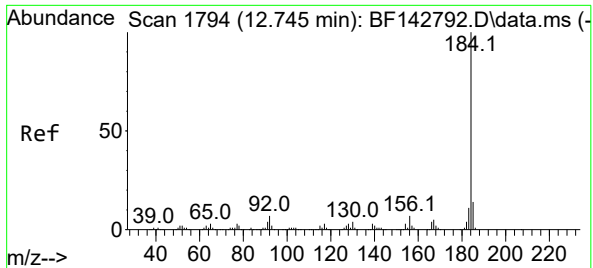
Tgt Ion:202 Resp: 715937
Ion Ratio Lower Upper
202 100
101 9.7 0.0 29.7
203 17.6 0.0 37.5



#76
Chrysene-d12
Concen: 20.000 ng
RT: 14.057 min Scan# 2017
Delta R.T. 0.000 min
Lab File: BF142982.D
Acq: 02 Jul 2025 20:52

Tgt Ion:240 Resp: 125535
Ion Ratio Lower Upper
240 100
120 9.8 8.2 12.2
236 24.5 19.8 29.8





#77

Benzidine

Concen: 60.921 ng

RT: 12.745 min Scan# 1794

Delta R.T. 0.000 min

Lab File: BF142982.D

Acq: 02 Jul 2025 20:52

Instrument :

BNA_F

ClientSampleId :

SOIL-PILEMS

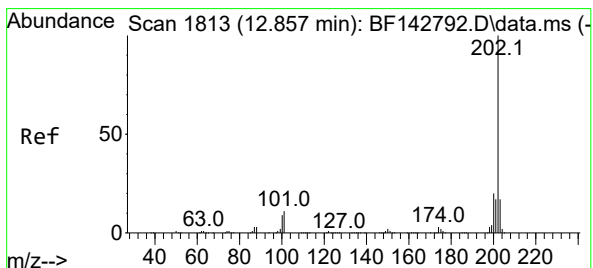
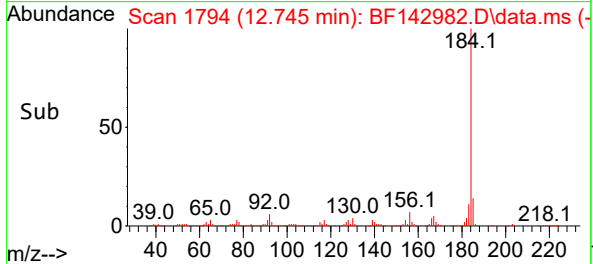
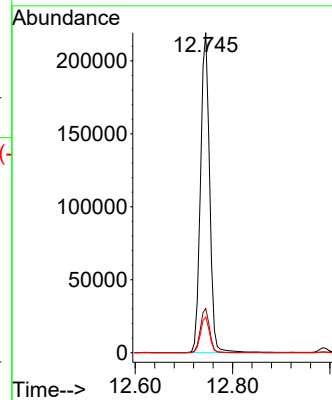
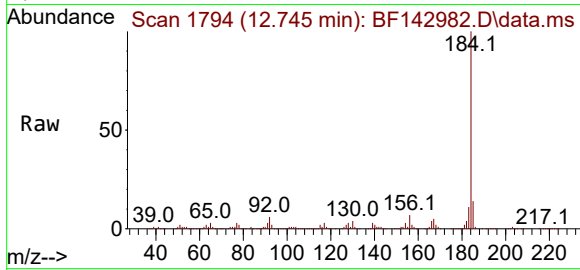
Tgt Ion:184 Resp: 287333

Ion Ratio Lower Upper

184 100

185 13.8 11.5 17.3

183 11.2 9.0 13.4



#78

Pyrene

Concen: 57.559 ng

RT: 12.851 min Scan# 1812

Delta R.T. -0.006 min

Lab File: BF142982.D

Acq: 02 Jul 2025 20:52

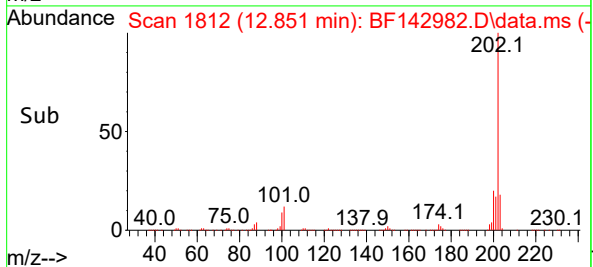
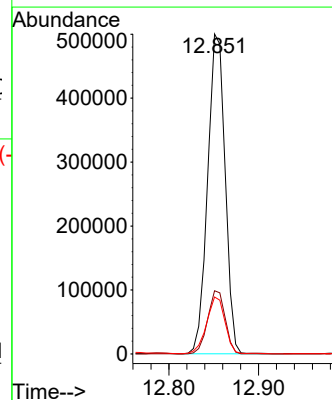
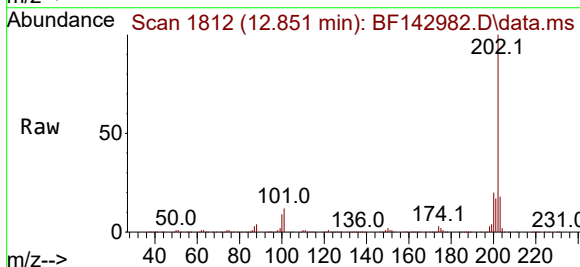
Tgt Ion:202 Resp: 677295

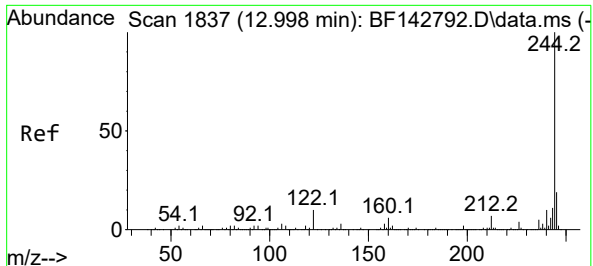
Ion Ratio Lower Upper

202 100

200 19.8 15.7 23.5

203 17.8 13.8 20.6





#79

Terphenyl-d14

Concen: 33.455 ng

RT: 12.986 min Scan# 1835

Delta R.T. -0.012 min

Lab File: BF142982.D

Acq: 02 Jul 2025 20:52

Instrument :

BNA_F

ClientSampleId :

SOIL-PILEMS

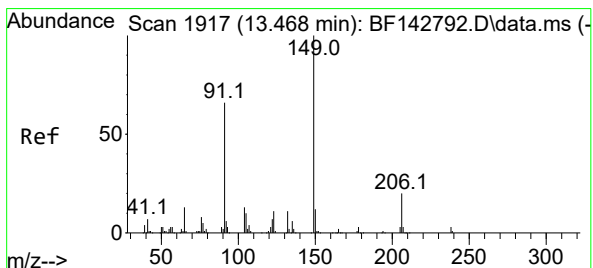
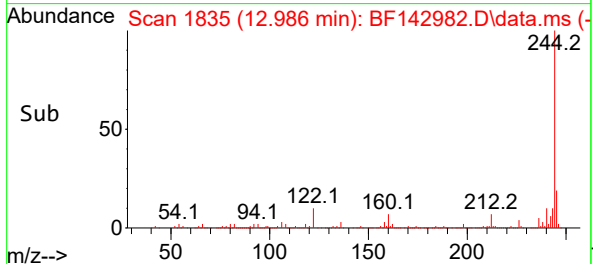
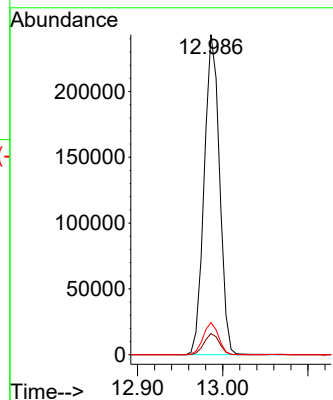
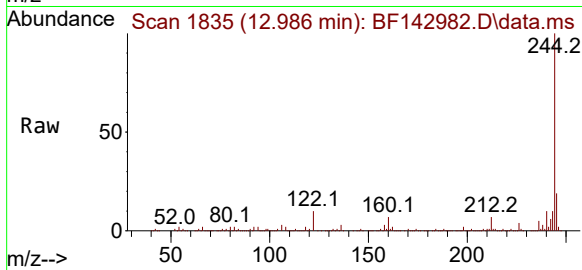
Tgt Ion:244 Resp: 303952

Ion Ratio Lower Upper

244 100

212 6.6 5.4 8.0

122 10.0 8.2 12.2



#80

Butylbenzylphthalate

Concen: 53.209 ng

RT: 13.463 min Scan# 1916

Delta R.T. -0.006 min

Lab File: BF142982.D

Acq: 02 Jul 2025 20:52

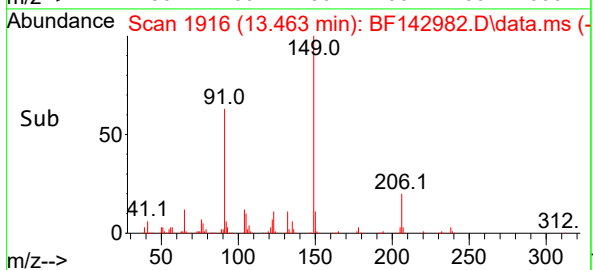
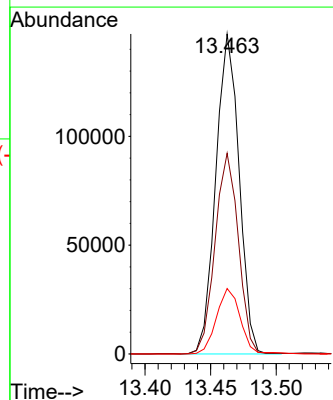
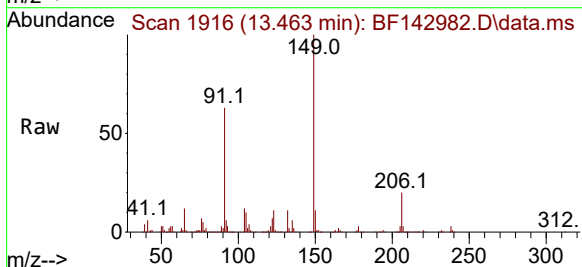
Tgt Ion:149 Resp: 181617

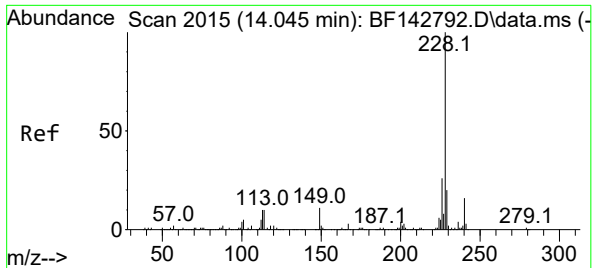
Ion Ratio Lower Upper

149 100

91 62.7 52.9 79.3

206 20.5 16.3 24.5

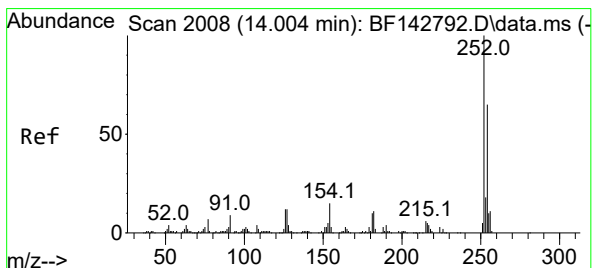
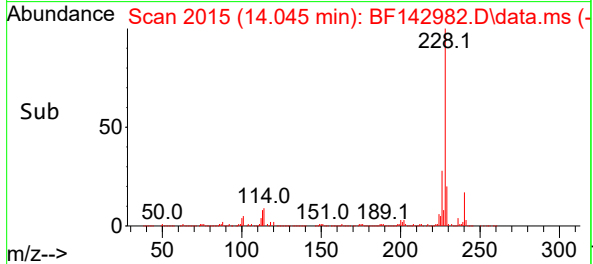
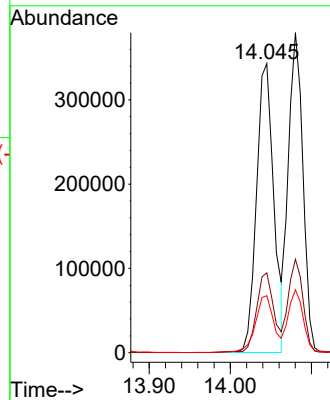
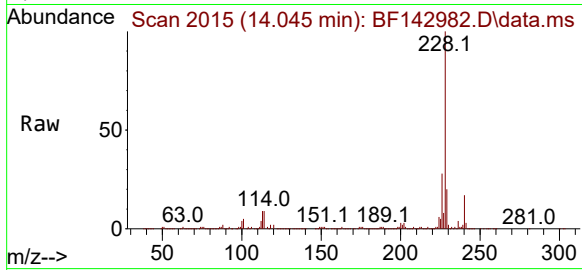




#81
Benzo(a)anthracene
Concen: 60.225 ng
RT: 14.045 min Scan# 2015
Delta R.T. 0.000 min
Lab File: BF142982.D
Acq: 02 Jul 2025 20:52

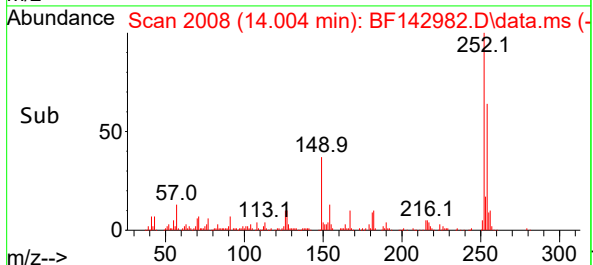
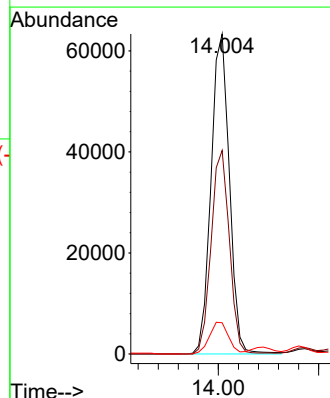
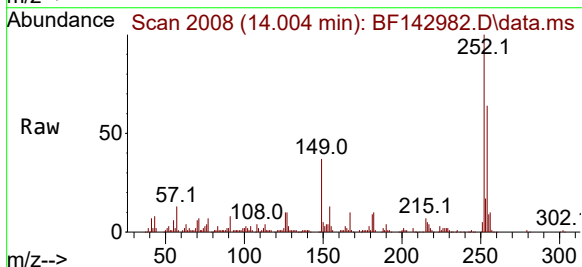
Instrument :
BNA_F
ClientSampleId :
SOIL-PILEMS

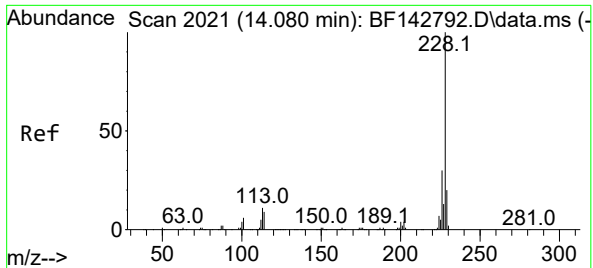
Tgt Ion:228 Resp: 510028
Ion Ratio Lower Upper
228 100
226 27.6 21.2 31.8
229 19.7 15.6 23.4



#82
3,3'-Dichlorobenzidine
Concen: 29.346 ng
RT: 14.004 min Scan# 2008
Delta R.T. 0.000 min
Lab File: BF142982.D
Acq: 02 Jul 2025 20:52

Tgt Ion:252 Resp: 80610
Ion Ratio Lower Upper
252 100
254 63.6 51.7 77.5
126 9.8 9.4 14.2





#83

Chrysene

Concen: 62.248 ng

RT: 14.080 min Scan# 20

Delta R.T. 0.000 min

Lab File: BF142982.D

Acq: 02 Jul 2025 20:52

Instrument :

BNA_F

ClientSampleId :

SOIL-PILEMS

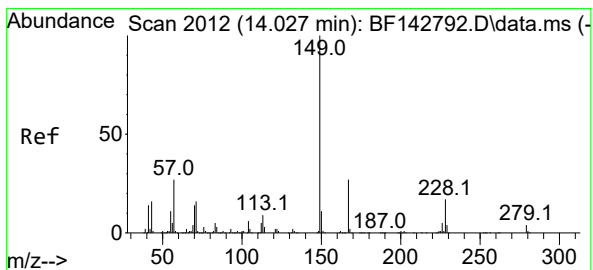
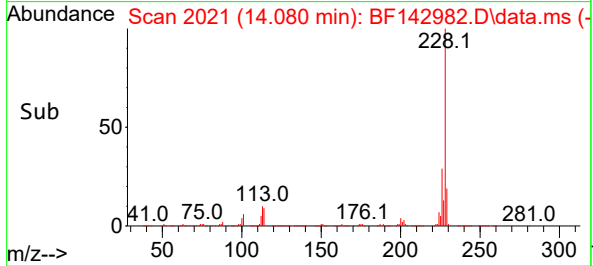
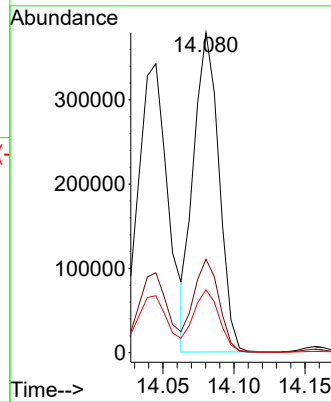
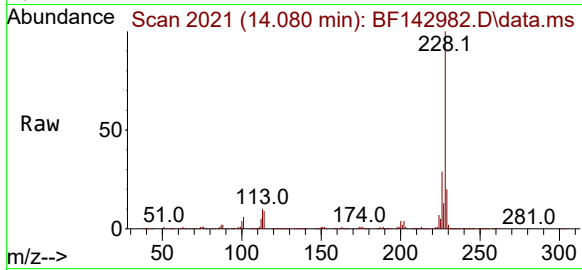
Tgt Ion:228 Resp: 470396

Ion Ratio Lower Upper

228 100

226 29.2 23.7 35.5

229 19.7 15.7 23.5



#84

Bis(2-ethylhexyl)phthalate

Concen: 51.288 ng

RT: 14.021 min Scan# 2011

Delta R.T. -0.006 min

Lab File: BF142982.D

Acq: 02 Jul 2025 20:52

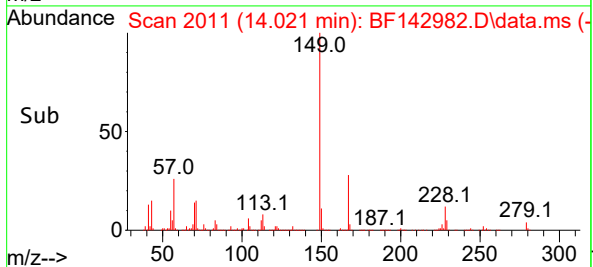
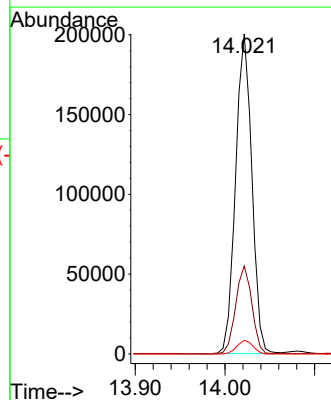
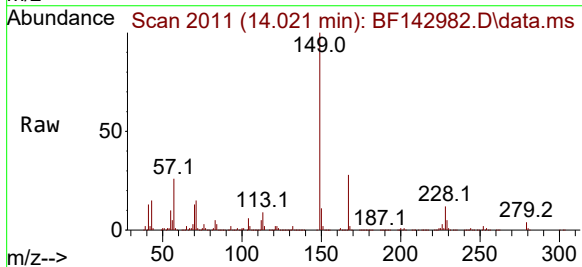
Tgt Ion:149 Resp: 251873

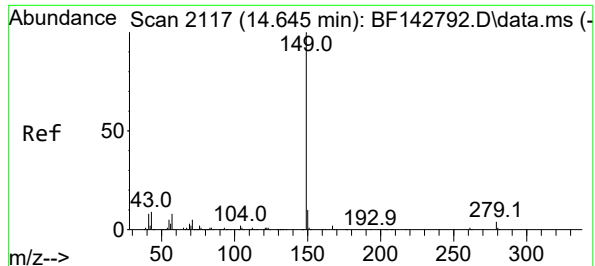
Ion Ratio Lower Upper

149 100

167 27.5 21.4 32.0

279 4.2 3.0 4.6





#85

Di-n-octyl phthalate

Concen: 45.526 ng

RT: 14.633 min Scan# 2115

Delta R.T. -0.012 min

Lab File: BF142982.D

Acq: 02 Jul 2025 20:52

Instrument :

BNA_F

ClientSampleId :

SOIL-PILEMS

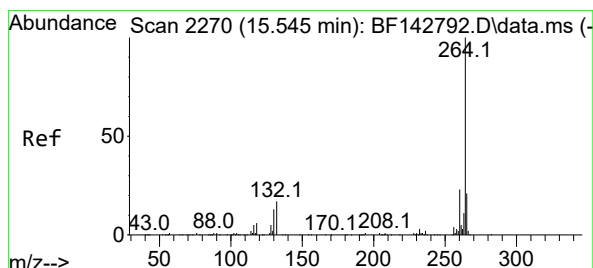
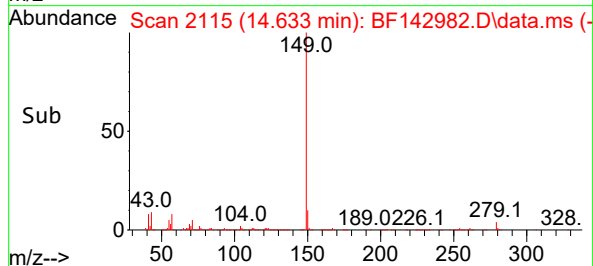
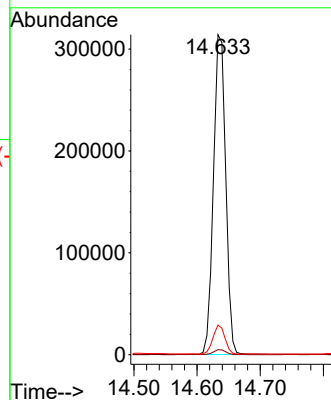
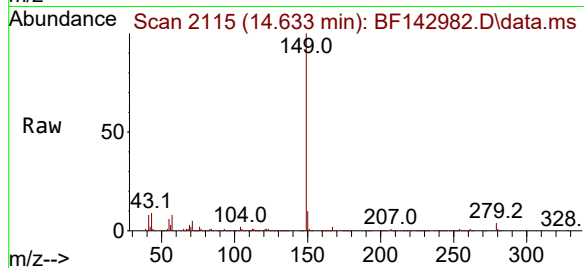
Tgt Ion:149 Resp: 421576

Ion Ratio Lower Upper

149 100

167 1.6 1.3 1.9

43 8.7 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: BF142982.D

Acq: 02 Jul 2025 20:52

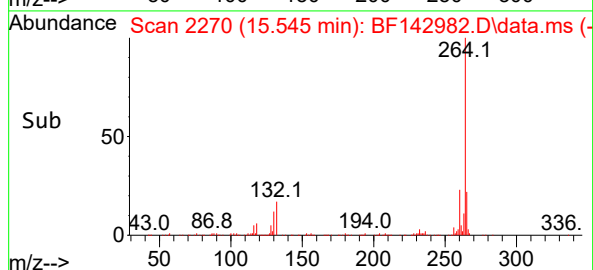
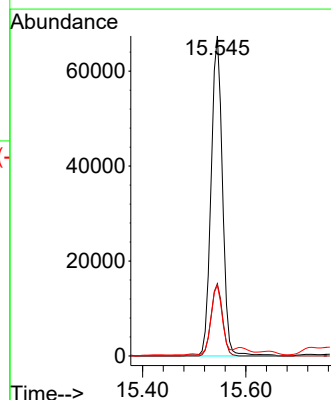
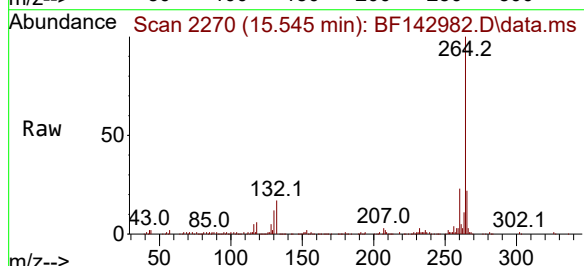
Tgt Ion:264 Resp: 103117

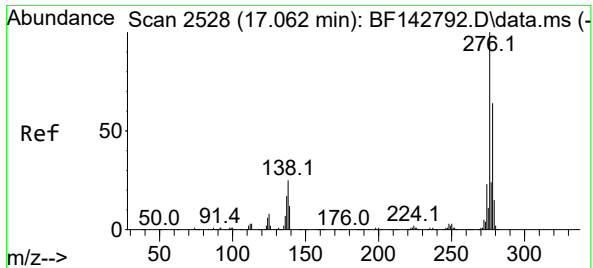
Ion Ratio Lower Upper

264 100

260 22.6 18.1 27.1

265 22.1 16.6 25.0

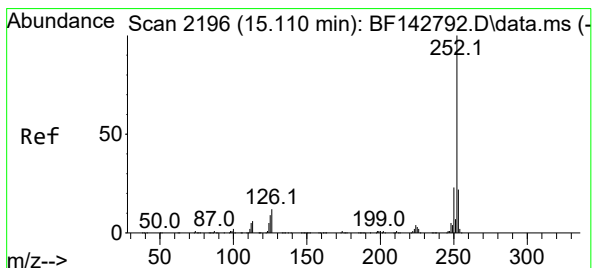
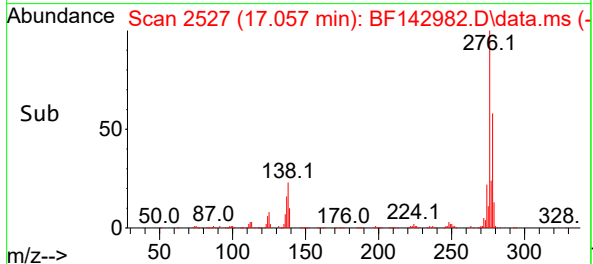
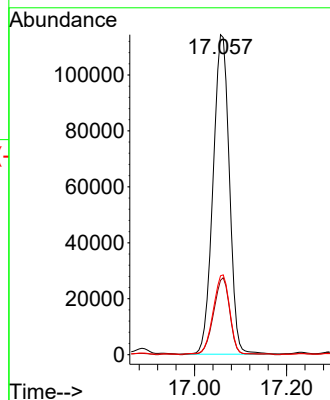
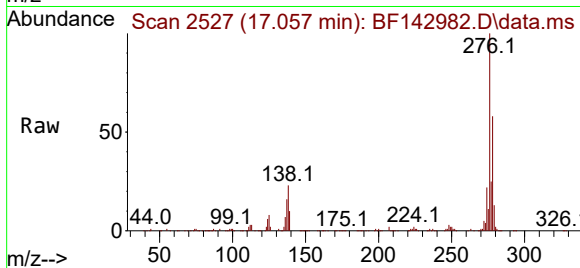




#87
Indeno(1,2,3-cd)pyrene
Concen: 35.685 ng
RT: 17.057 min Scan# 21
Delta R.T. -0.006 min
Lab File: BF142982.D
Acq: 02 Jul 2025 20:52

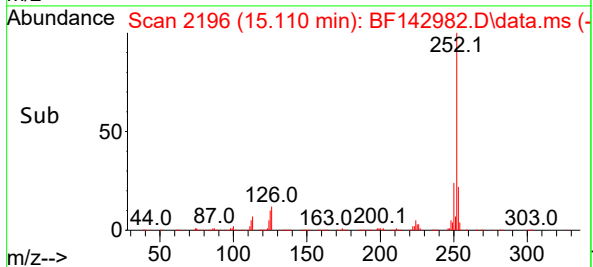
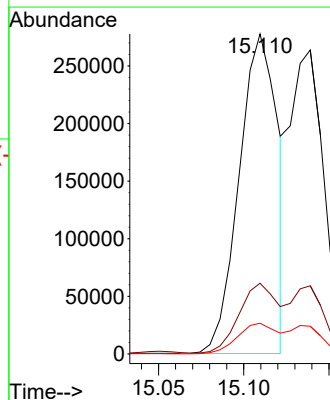
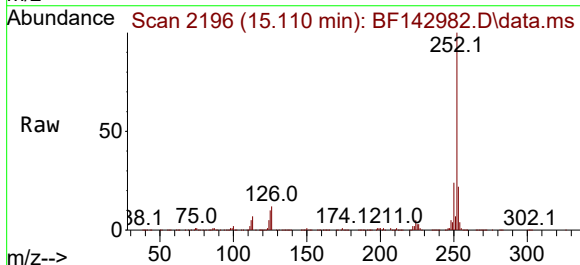
Instrument :
BNA_F
ClientSampleId :
SOIL-PILEMS

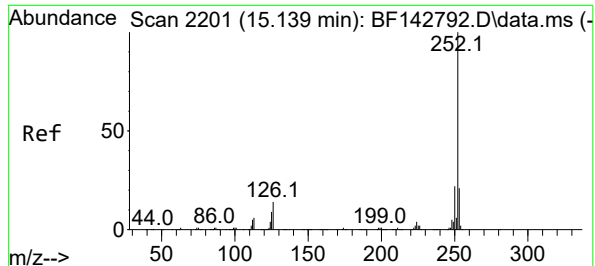
Tgt Ion:276 Resp: 280284
Ion Ratio Lower Upper
276 100
138 24.0 20.2 30.4
277 25.0 19.8 29.6



#88
Benzo(b)fluoranthene
Concen: 72.886 ng
RT: 15.110 min Scan# 2196
Delta R.T. 0.000 min
Lab File: BF142982.D
Acq: 02 Jul 2025 20:52

Tgt Ion:252 Resp: 434897
Ion Ratio Lower Upper
252 100
253 22.1 17.5 26.3
125 9.6 7.4 11.0





#89

Benzo(k)fluoranthene

Concen: 65.078 ng m

RT: 15.139 min Scan# 21

Delta R.T. 0.000 min

Lab File: BF142982.D

Acq: 02 Jul 2025 20:52

Instrument :

BNA_F

ClientSampleId :

SOIL-PILEMS

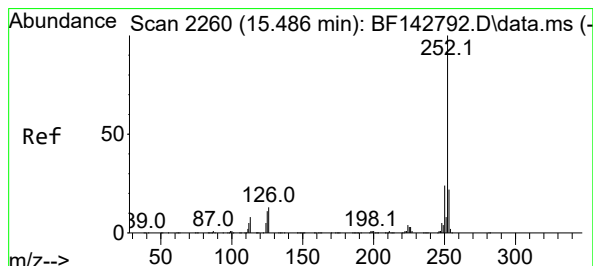
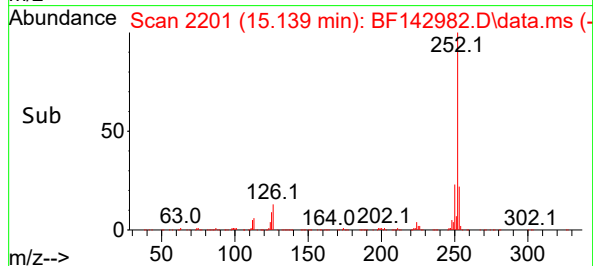
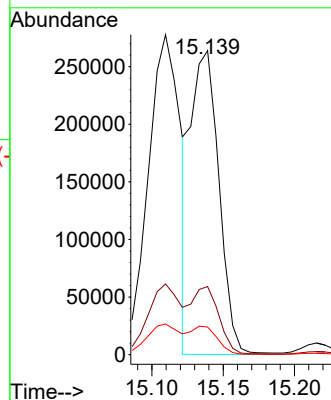
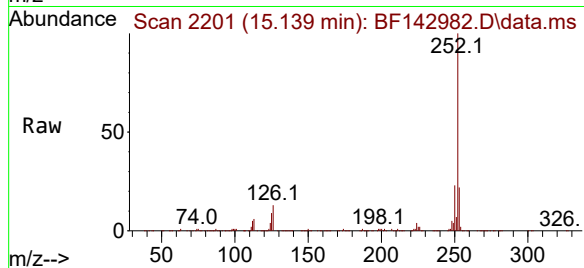
Tgt Ion:252 Resp: 363291

Ion Ratio Lower Upper

252 100

253 22.4 17.2 25.8

125 9.1 7.4 11.2



#90

Benzo(a)pyrene

Concen: 58.500 ng

RT: 15.480 min Scan# 2259

Delta R.T. -0.006 min

Lab File: BF142982.D

Acq: 02 Jul 2025 20:52

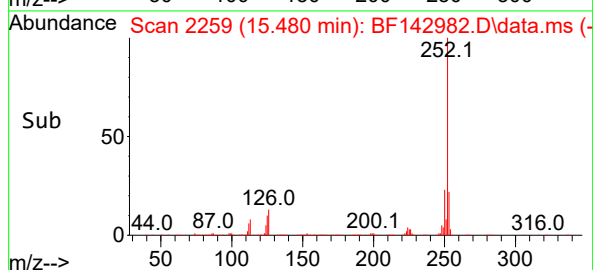
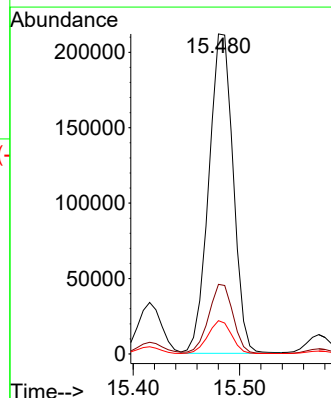
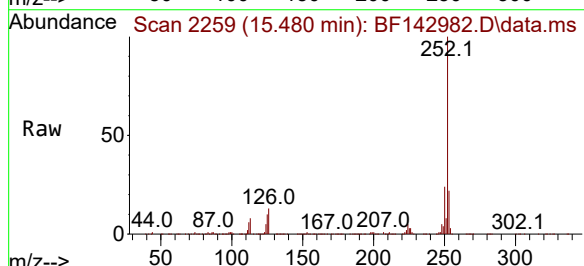
Tgt Ion:252 Resp: 337212

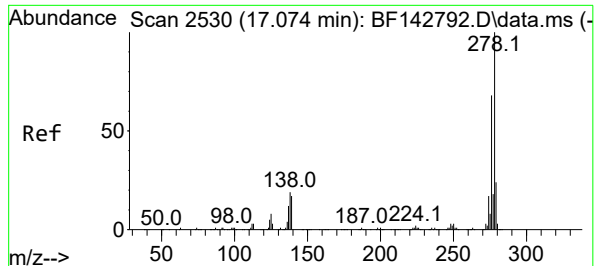
Ion Ratio Lower Upper

252 100

253 21.8 17.5 26.3

125 10.4 8.6 12.8





#91

Dibenzo(a,h)anthracene

Concen: 33.568 ng

RT: 17.068 min Scan# 21

Delta R.T. -0.006 min

Lab File: BF142982.D

Acq: 02 Jul 2025 20:52

Instrument :

BNA_F

ClientSampleId :

SOIL-PILEMS

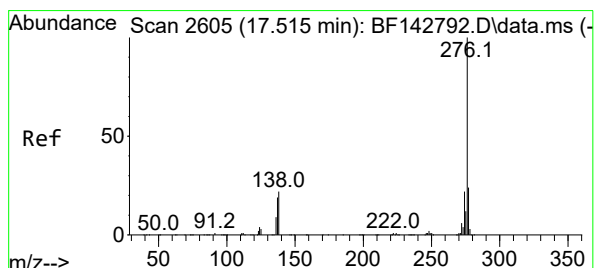
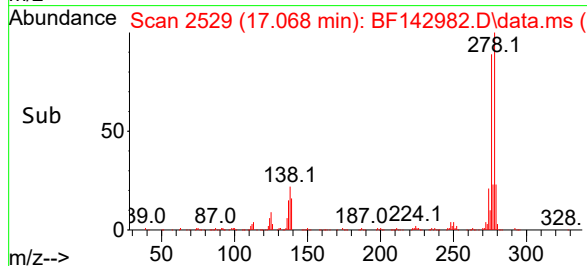
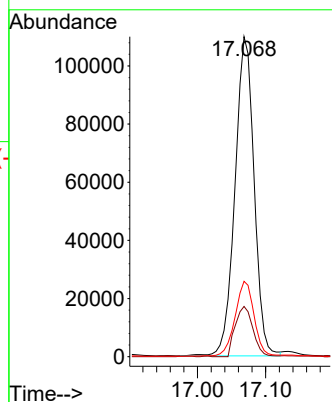
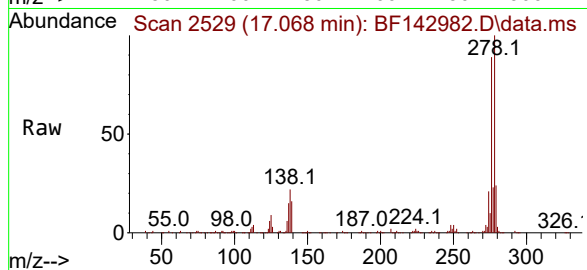
Tgt Ion:278 Resp: 214223

Ion Ratio Lower Upper

278 100

139 15.7 13.5 20.3

279 23.6 18.8 28.2



#92

Benzo(g,h,i)perylene

Concen: 33.772 ng

RT: 17.515 min Scan# 2605

Delta R.T. 0.000 min

Lab File: BF142982.D

Acq: 02 Jul 2025 20:52

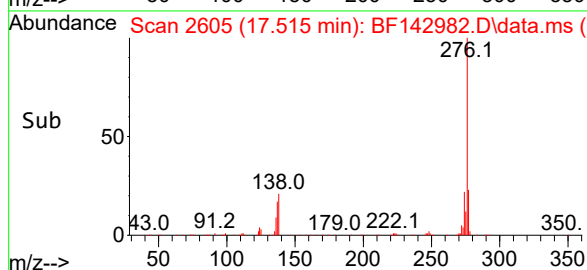
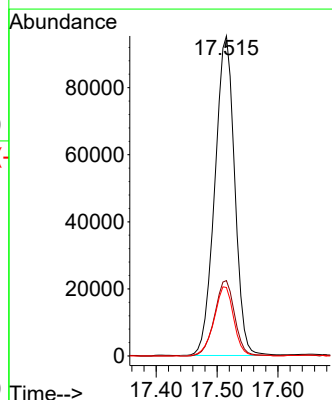
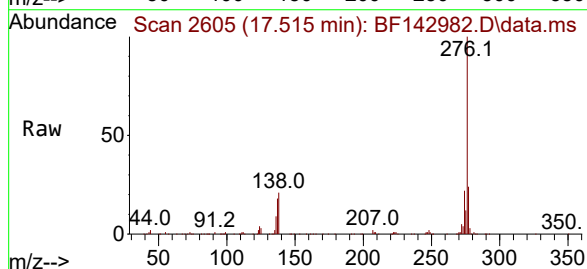
Tgt Ion:276 Resp: 214912

Ion Ratio Lower Upper

276 100

277 23.5 18.8 28.2

138 21.4 17.6 26.4



Report of Analysis

Client:	CDM Smith	Date Collected:	07/01/25
Project:	South River WM Replacement	Date Received:	07/01/25
Client Sample ID:	SOIL-PILEMSD	SDG No.:	Q2484
Lab Sample ID:	Q2475-01MSD	Matrix:	SOIL
Analytical Method:	8270E	% Solid:	79.7
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
BF142983.D	1	07/02/25 08:55	07/02/25 21:22	PB168694

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units(Dry Weight)
TARGETS						
100-52-7	Benzaldehyde	1200		120	250	ug/Kg
108-95-2	Phenol	1100		16.6	130	ug/Kg
111-44-4	bis(2-Chloroethyl)ether	1100		18.3	130	ug/Kg
95-57-8	2-Chlorophenol	1100		18.4	130	ug/Kg
95-48-7	2-Methylphenol	1100		22.5	130	ug/Kg
108-60-1	2,2-oxybis(1-Chloropropane)	1000		28.2	130	ug/Kg
98-86-2	Acetophenone	1100		22.2	130	ug/Kg
65794-96-9	3+4-Methylphenols	1200		30.9	250	ug/Kg
621-64-7	n-Nitroso-di-n-propylamine	1100		35.6	60.2	ug/Kg
67-72-1	Hexachloroethane	1100		13.2	130	ug/Kg
98-95-3	Nitrobenzene	1100		13.8	130	ug/Kg
78-59-1	Isophorone	1100		24.7	130	ug/Kg
88-75-5	2-Nitrophenol	1200		43.8	130	ug/Kg
105-67-9	2,4-Dimethylphenol	1100		48.7	130	ug/Kg
111-91-1	bis(2-Chloroethoxy)methane	1100		23.2	130	ug/Kg
120-83-2	2,4-Dichlorophenol	1100		21.3	130	ug/Kg
91-20-3	Naphthalene	1100		17.1	130	ug/Kg
106-47-8	4-Chloroaniline	550		26.6	130	ug/Kg
87-68-3	Hexachlorobutadiene	1100		19.0	130	ug/Kg
105-60-2	Caprolactam	1300		39.2	250	ug/Kg
59-50-7	4-Chloro-3-methylphenol	1100		21.6	130	ug/Kg
91-57-6	2-Methylnaphthalene	1100		19.3	130	ug/Kg
77-47-4	Hexachlorocyclopentadiene	1600		87.2	250	ug/Kg
88-06-2	2,4,6-Trichlorophenol	1100		14.9	130	ug/Kg
95-95-4	2,4,5-Trichlorophenol	1100		21.9	130	ug/Kg
92-52-4	1,1-Biphenyl	1200		16.4	130	ug/Kg
91-58-7	2-Chloronaphthalene	1100		16.9	130	ug/Kg
88-74-4	2-Nitroaniline	1200		36.2	130	ug/Kg
131-11-3	Dimethylphthalate	1200		20.4	130	ug/Kg

Report of Analysis

Client:	CDM Smith	Date Collected:	07/01/25
Project:	South River WM Replacement	Date Received:	07/01/25
Client Sample ID:	SOIL-PILEMSD	SDG No.:	Q2484
Lab Sample ID:	Q2475-01MSD	Matrix:	SOIL
Analytical Method:	8270E	% Solid:	79.7
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
BF142983.D	1	07/02/25 08:55	07/02/25 21:22	PB168694

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units(Dry Weight)
208-96-8	Acenaphthylene	1100		21.7	130	ug/Kg
606-20-2	2,6-Dinitrotoluene	1200		25.3	130	ug/Kg
99-09-2	3-Nitroaniline	720		34.6	130	ug/Kg
83-32-9	Acenaphthene	1200		16.0	130	ug/Kg
51-28-5	2,4-Dinitrophenol	2100	E	170	250	ug/Kg
100-02-7	4-Nitrophenol	1900		80.5	250	ug/Kg
132-64-9	Dibenzofuran	1100		17.1	130	ug/Kg
121-14-2	2,4-Dinitrotoluene	1100		37.7	130	ug/Kg
84-66-2	Diethylphthalate	1200		21.3	130	ug/Kg
7005-72-3	4-Chlorophenyl-phenylether	1100		20.1	130	ug/Kg
86-73-7	Fluorene	1100		19.0	130	ug/Kg
100-01-6	4-Nitroaniline	1000		48.3	130	ug/Kg
534-52-1	4,6-Dinitro-2-methylphenol	1100		77.5	250	ug/Kg
86-30-6	n-Nitrosodiphenylamine	1300		24.7	130	ug/Kg
101-55-3	4-Bromophenyl-phenylether	1300		20.9	130	ug/Kg
118-74-1	Hexachlorobenzene	1200		19.0	130	ug/Kg
1912-24-9	Atrazine	1500		25.6	130	ug/Kg
87-86-5	Pentachlorophenol	2300	E	38.6	250	ug/Kg
85-01-8	Phenanthrene	1400		15.7	130	ug/Kg
120-12-7	Anthracene	1200		25.0	130	ug/Kg
86-74-8	Carbazole	1200		23.5	130	ug/Kg
84-74-2	Di-n-butylphthalate	1400		36.0	130	ug/Kg
206-44-0	Fluoranthene	2000	E	22.6	130	ug/Kg
129-00-0	Pyrene	1400		27.1	130	ug/Kg
85-68-7	Butylbenzylphthalate	1200		53.7	130	ug/Kg
91-94-1	3,3-Dichlorobenzidine	750		27.6	250	ug/Kg
56-55-3	Benzo(a)anthracene	1500		17.3	130	ug/Kg
218-01-9	Chrysene	1500		15.0	130	ug/Kg
117-81-7	Bis(2-ethylhexyl)phthalate	1200		44.5	130	ug/Kg
117-84-0	Di-n-octyl phthalate	1100		65.3	250	ug/Kg
205-99-2	Benzo(b)fluoranthene	1800		14.3	130	ug/Kg

Report of Analysis

Client:	CDM Smith	Date Collected:	07/01/25
Project:	South River WM Replacement	Date Received:	07/01/25
Client Sample ID:	SOIL-PILEMSD	SDG No.:	Q2484
Lab Sample ID:	Q2475-01MSD	Matrix:	SOIL
Analytical Method:	8270E	% Solid:	79.7
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
BF142983.D	1	07/02/25 08:55	07/02/25 21:22	PB168694

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units(Dry Weight)
207-08-9	Benzo(k)fluoranthene	1600		16.8	130	ug/Kg
50-32-8	Benzo(a)pyrene	1400		22.2	130	ug/Kg
193-39-5	Indeno(1,2,3-cd)pyrene	860		21.9	130	ug/Kg
53-70-3	Dibenzo(a,h)anthracene	800		20.6	130	ug/Kg
191-24-2	Benzo(g,h,i)perylene	820		19.3	130	ug/Kg
95-94-3	1,2,4,5-Tetrachlorobenzene	1200		19.3	130	ug/Kg
123-91-1	1,4-Dioxane	900		34.0	130	ug/Kg
58-90-2	2,3,4,6-Tetrachlorophenol	1000		20.6	130	ug/Kg
SURROGATES						
367-12-4	2-Fluorophenol	70.0		18 - 112	47%	SPK: 150
13127-88-3	Phenol-d6	73.3		15 - 107	49%	SPK: 150
4165-60-0	Nitrobenzene-d5	44.8		18 - 107	45%	SPK: 100
321-60-8	2-Fluorobiphenyl	42.0		20 - 109	42%	SPK: 100
118-79-6	2,4,6-Tribromophenol	61.7		10 - 116	41%	SPK: 150
1718-51-0	Terphenyl-d14	31.4		10 - 105	31%	SPK: 100
INTERNAL STANDARDS						
3855-82-1	1,4-Dichlorobenzene-d4	59300	6.875			
1146-65-2	Naphthalene-d8	228000	8.157			
15067-26-2	Acenaphthene-d10	114000	9.916			
1517-22-2	Phenanthrene-d10	156000	11.404			
1719-03-5	Chrysene-d12	122000	14.051			
1520-96-3	Perylene-d12	97700	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\BF070225\
 Data File : BF142983.D
 Acq On : 02 Jul 2025 21:22
 Operator : RC/JU
 Sample : Q2475-01MSD
 Misc :
 ALS Vial : 21 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 SOIL-PILEMSD

Quant Time: Jul 03 01:09:44 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	59335	20.000	ng	0.00
21) Naphthalene-d8	8.157	136	228314	20.000	ng	-0.01
39) Acenaphthene-d10	9.916	164	114108	20.000	ng	0.00
64) Phenanthrene-d10	11.404	188	156089	20.000	ng	0.00
76) Chrysene-d12	14.051	240	121729	20.000	ng	0.00
86) Perylene-d12	15.545	264	97715	20.000	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.493	112	249556	70.025	ng	0.00
7) Phenol-d6	6.504	99	308404	73.349	ng	0.00
23) Nitrobenzene-d5	7.439	82	186323	44.763	ng	0.00
42) 2,4,6-Tribromophenol	10.704	330	72486	61.730	ng	-0.01
45) 2-Fluorobiphenyl	9.233	172	365207	42.045	ng	-0.01
79) Terphenyl-d14	12.986	244	276488	31.383	ng	-0.01
Target Compounds						
						Qvalue
2) 1,4-Dioxane	2.646	88	51211	35.926	ng	99
3) Pyridine	3.416	79	137509	38.480	ng	99
4) n-Nitrosodimethylamine	3.369	42	78126	42.277	ng	99
6) Aniline	6.534	93	203950	36.455	ng	# 86
8) 2-Chlorophenol	6.657	128	171373	44.578	ng	99
9) Benzaldehyde	6.422	77	123673	49.578	ng	98
10) Phenol	6.522	94	207052	44.301	ng	90
11) bis(2-Chloroethyl)ether	6.604	93	148392	44.424	ng	98
12) 1,3-Dichlorobenzene	6.816	146	189542	44.085	ng	99
13) 1,4-Dichlorobenzene	6.892	146	189979	43.796	ng	98
14) 1,2-Dichlorobenzene	7.039	146	181259	44.055	ng	98
15) Benzyl Alcohol	7.016	79	139016	45.734	ng	99
16) 2,2'-oxybis(1-Chloropr...	7.145	45	220985	41.176	ng	89
17) 2-Methylphenol	7.128	107	130676	44.855	ng	98
18) Hexachloroethane	7.387	117	66516	43.840	ng	96
19) n-Nitroso-di-n-propyla...	7.287	70	110118	45.030	ng	98
20) 3+4-Methylphenols	7.281	107	167958	46.239	ng	93
22) Acetophenone	7.281	105	227000	45.087	ng	99
24) Nitrobenzene	7.457	77	164177	43.578	ng	98
25) Isophorone	7.698	82	294180	44.057	ng	99
26) 2-Nitrophenol	7.775	139	95154	46.365	ng	98
27) 2,4-Dimethylphenol	7.810	122	152362	42.860	ng	100
28) bis(2-Chloroethoxy)met...	7.904	93	187498	44.168	ng	99
29) 2,4-Dichlorophenol	8.016	162	144183	44.732	ng	99
30) 1,2,4-Trichlorobenzene	8.098	180	155061	43.749	ng	99
31) Naphthalene	8.181	128	489860	43.833	ng	100
32) Benzoic acid	7.928	122	77897	42.992	ng	99
33) 4-Chloroaniline	8.228	127	99788	21.959	ng	98
34) Hexachlorobutadiene	8.292	225	97097	44.786	ng	98
35) Caprolactam	8.604	113	43452	51.087	ng	94
36) 4-Chloro-3-methylphenol	8.716	107	144392	45.074	ng	100
37) 2-Methylnaphthalene	8.869	142	306158	44.188	ng	99
38) 1-Methylnaphthalene	8.969	142	314995	43.919	ng	100
40) 1,2,4,5-Tetrachloroben...	9.039	216	155004	46.037	ng	99
41) Hexachlorocyclopentadiene	9.022	237	119067	62.317	ng	99
43) 2,4,6-Trichlorophenol	9.151	196	100027	45.591	ng	99

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF070225\
 Data File : BF142983.D
 Acq On : 02 Jul 2025 21:22
 Operator : RC/JU
 Sample : Q2475-01MSD
 Misc :
 ALS Vial : 21 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 SOIL-PILEMSD

Quant Time: Jul 03 01:09:44 2025
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF061925.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Tue Jun 24 05:28:21 2025
 Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
44) 2,4,5-Trichlorophenol	9.192	196	101787	44.072	ng	98
46) 1,1'-Biphenyl	9.333	154	417031	46.265	ng	100
47) 2-Chloronaphthalene	9.363	162	302285	44.688	ng	100
48) 2-Nitroaniline	9.457	65	87747	46.270	ng	99
49) Acenaphthylene	9.780	152	498082	44.729	ng	100
50) Dimethylphthalate	9.633	163	357699	48.428	ng	100
51) 2,6-Dinitrotoluene	9.704	165	76473	47.145	ng	94
52) Acenaphthene	9.951	154	326791m	48.100	ng	
53) 3-Nitroaniline	9.869	138	51118	28.623	ng	100
54) 2,4-Dinitrophenol	9.986	184	69192	85.190	ng	93
55) Dibenzofuran	10.122	168	434092	44.557	ng	99
56) 4-Nitrophenol	10.039	139	94243	77.081	ng	98
57) 2,4-Dinitrotoluene	10.110	165	95850	44.486	ng	97
58) Fluorene	10.463	166	338474	44.485	ng	99
59) 2,3,4,6-Tetrachlorophenol	10.239	232	74824	40.193	ng	97
60) Diethylphthalate	10.333	149	347136	47.933	ng	99
61) 4-Chlorophenyl-phenyle...	10.457	204	161194	44.397	ng	98
62) 4-Nitroaniline	10.486	138	66810	40.903	ng	98
63) Azobenzene	10.616	77	296548	45.815	ng	95
65) 4,6-Dinitro-2-methylph...	10.516	198	43230	45.788	ng	95
66) n-Nitrosodiphenylamine	10.575	169	279214	51.614	ng	99
67) 4-Bromophenyl-phenylether	10.945	248	91204	51.341	ng	98
68) Hexachlorobenzene	11.016	284	92184	46.701	ng	99
69) Atrazine	11.098	200	82902	59.345	ng	98
70) Pentachlorophenol	11.210	266	88521	89.996	ng	100
71) Phenanthrene	11.427	178	487597	57.667	ng	99
72) Anthracene	11.480	178	404639	46.662	ng	100
73) Carbazole	11.633	167	354891	47.424	ng	100
74) Di-n-butylphthalate	11.963	149	446448	57.268	ng	100
75) Fluoranthene	12.621	202	646065	80.511	ng	99
77) Benzidine	12.745	184	264973	57.937	ng	99
78) Pyrene	12.851	202	619710	54.312	ng	100
80) Butylbenzylphthalate	13.463	149	162371	49.058	ng	97
81) Benzo(a)anthracene	14.045	228	478410	58.258	ng	99
82) 3,3'-Dichlorobenzidine	14.004	252	79753	29.942	ng	99
83) Chrysene	14.080	228	444298	60.633	ng	100
84) Bis(2-ethylhexyl)phtha...	14.021	149	227369	47.746	ng	99
85) Di-n-octyl phthalate	14.633	149	388886	43.308	ng	99
87) Indeno(1,2,3-cd)pyrene	17.056	276	255696	34.355	ng	98
88) Benzo(b)fluoranthene	15.110	252	407451	72.061	ng	100
89) Benzo(k)fluoranthene	15.139	252	330281	62.435	ng	99
90) Benzo(a)pyrene	15.480	252	308603	56.496	ng	99
91) Dibenzo(a,h)anthracene	17.068	278	192523	31.835	ng	98
92) Benzo(g,h,i)perylene	17.515	276	196272	32.548	ng	99

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

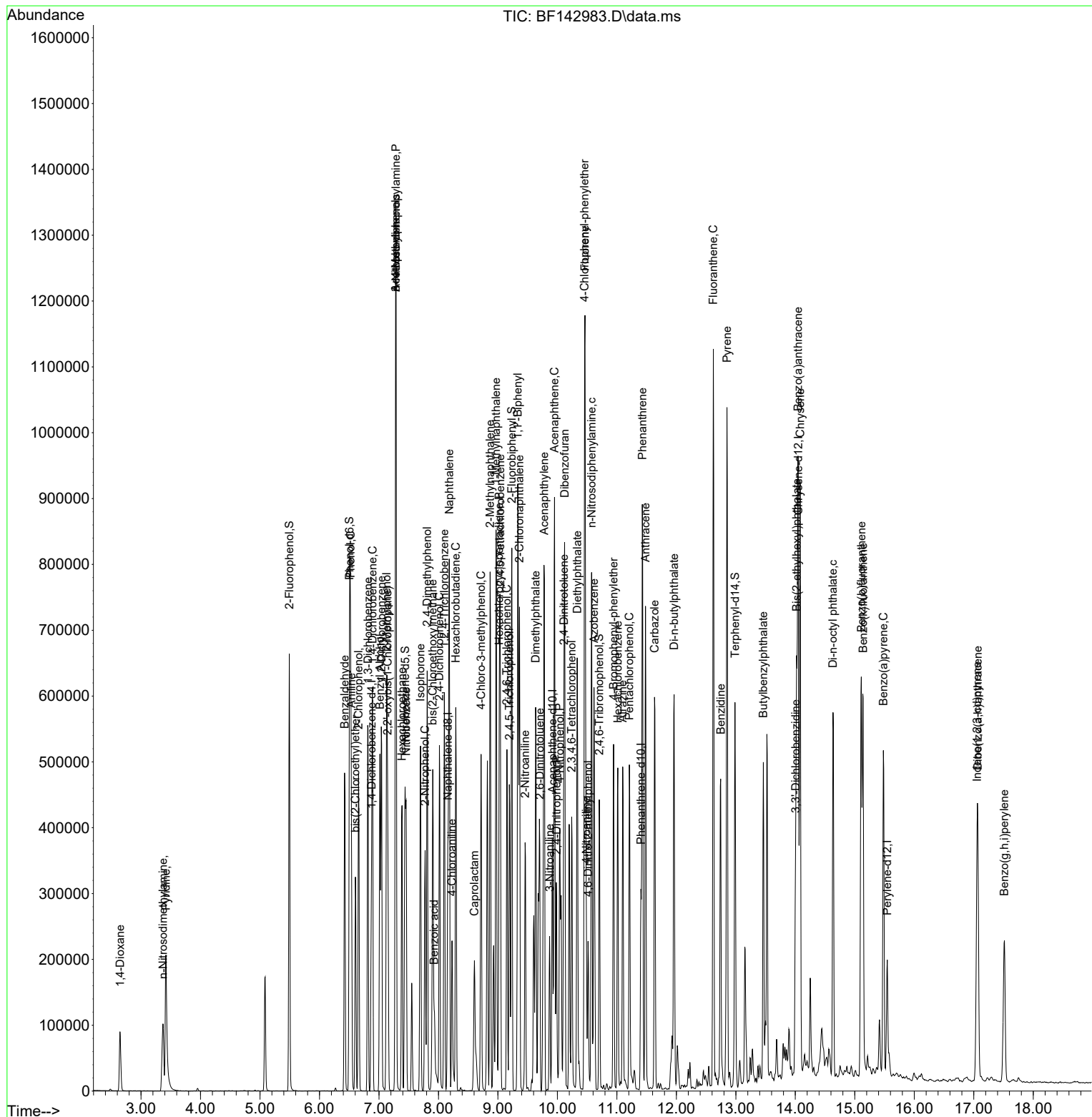
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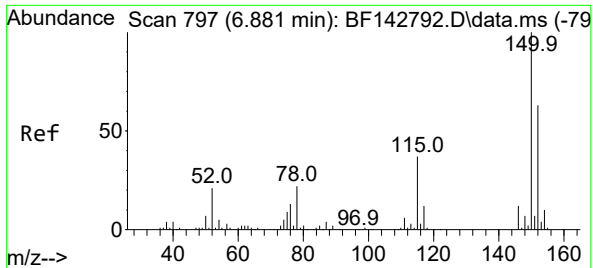
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Acq On    : 02 Jul 2025   21:22
Operator  : RC/JU
Sample    : Q2475-01MSD
Misc      :
ALS Vial  : 21      Sample Multiplier: 1

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Instrument :
BNA_F
ClientSampleId :
SOIL-PILEMSD

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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Tue Jun 24 05:28:21 2025
Response via : Initial Calibration

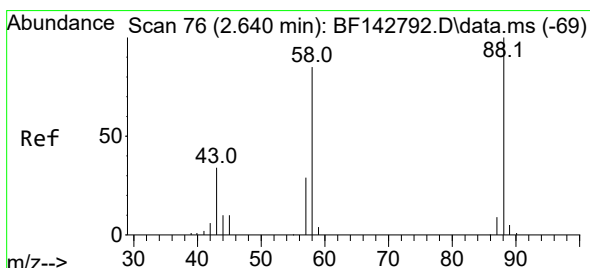
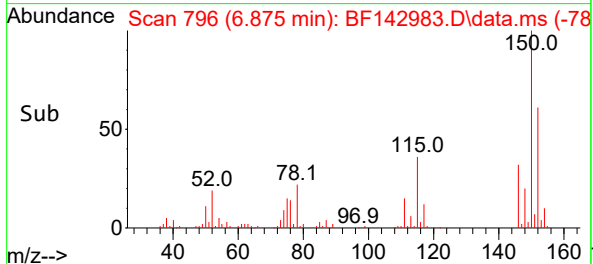
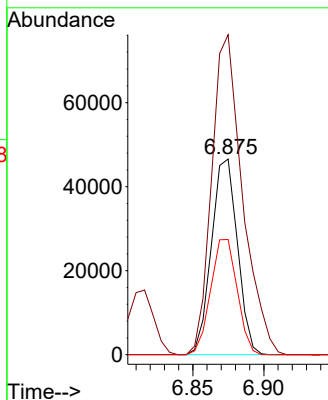
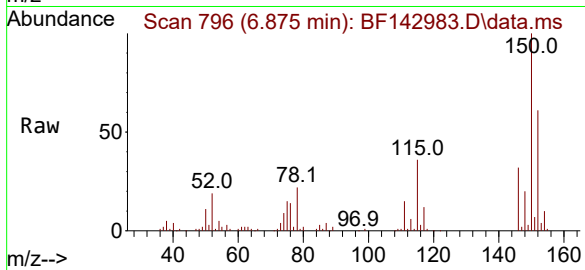




#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.875 min Scan# 79
Delta R.T. -0.006 min
Lab File: BF142983.D
Acq: 02 Jul 2025 21:22

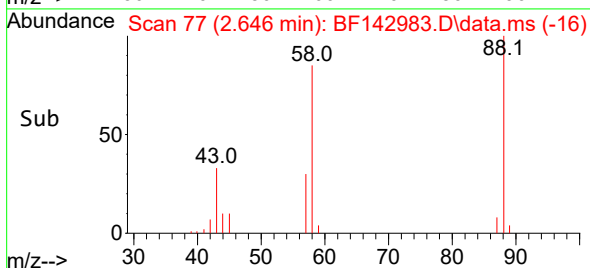
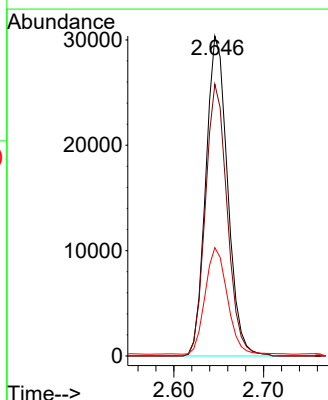
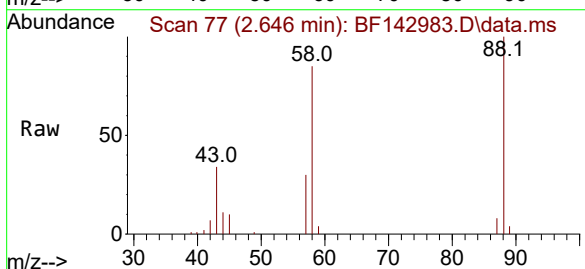
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BNA_F
ClientSampleId :
SOIL-PILEMSD

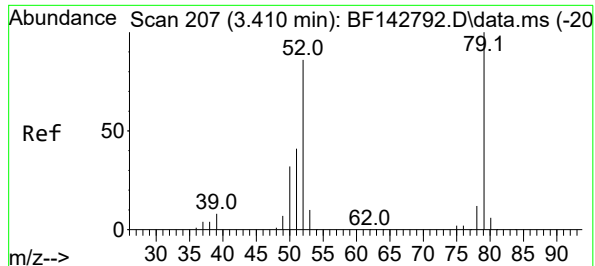
Tgt Ion:152 Resp: 59335
Ion Ratio Lower Upper
152 100
150 163.5 127.2 190.8
115 58.9 46.6 69.8



#2
1,4-Dioxane
Concen: 35.926 ng
RT: 2.646 min Scan# 77
Delta R.T. 0.006 min
Lab File: BF142983.D
Acq: 02 Jul 2025 21:22

Tgt Ion: 88 Resp: 51211
Ion Ratio Lower Upper
88 100
58 85.2 69.1 103.7
43 34.0 27.4 41.2

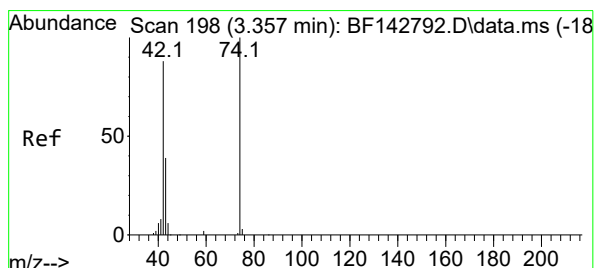
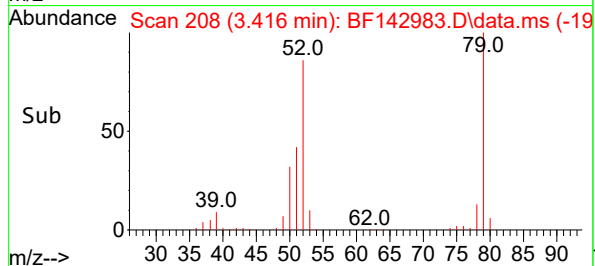
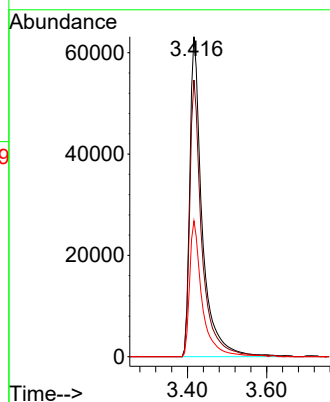
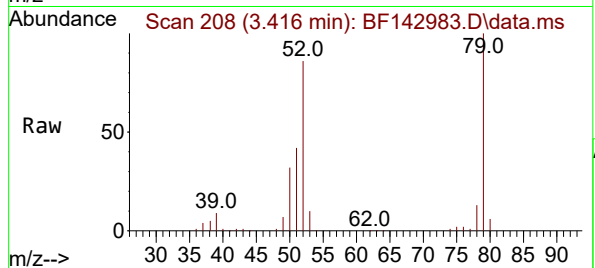




#3
Pyridine
Concen: 38.480 ng
RT: 3.416 min Scan# 207
Delta R.T. 0.006 min
Lab File: BF142983.D
Acq: 02 Jul 2025 21:22

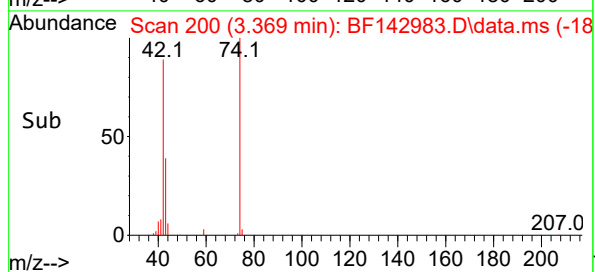
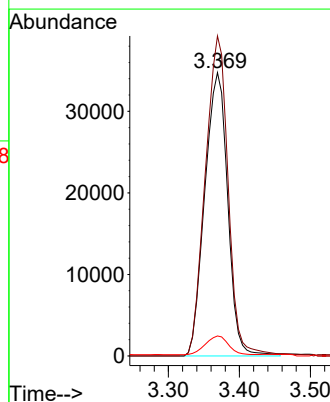
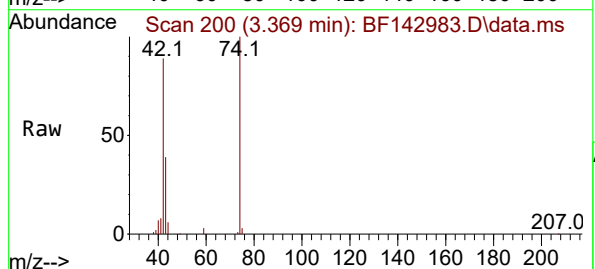
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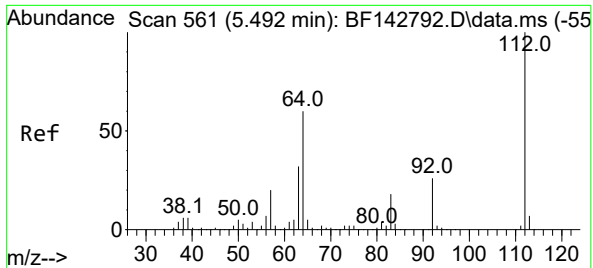
Tgt Ion: 79 Resp: 137509
Ion Ratio Lower Upper
79 100
52 86.4 69.2 103.8
51 42.4 33.2 49.8



#4
n-Nitrosodimethylamine
Concen: 42.277 ng
RT: 3.369 min Scan# 200
Delta R.T. 0.012 min
Lab File: BF142983.D
Acq: 02 Jul 2025 21:22

Tgt Ion: 42 Resp: 78126
Ion Ratio Lower Upper
42 100
74 112.9 90.9 136.3
44 7.0 5.8 8.6

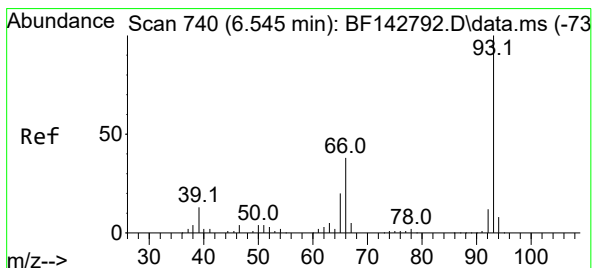
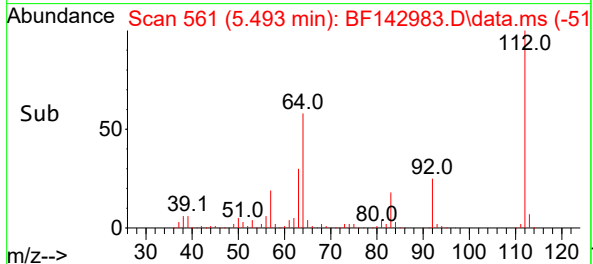
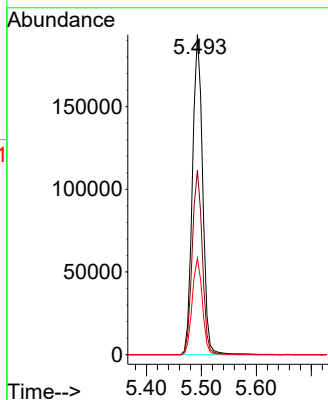
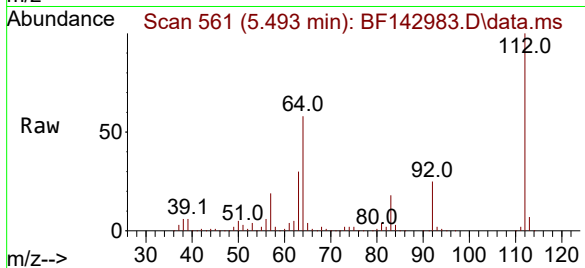




#5
2-Fluorophenol
Concen: 70.025 ng
RT: 5.493 min Scan# 501
Delta R.T. 0.001 min
Lab File: BF142983.D
Acq: 02 Jul 2025 21:22

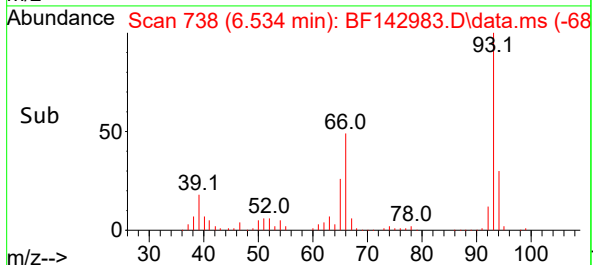
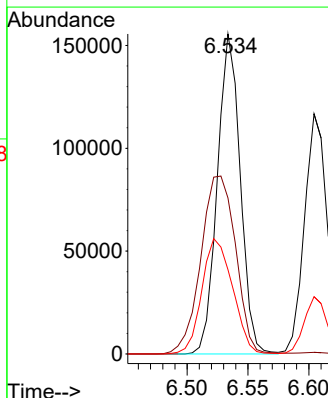
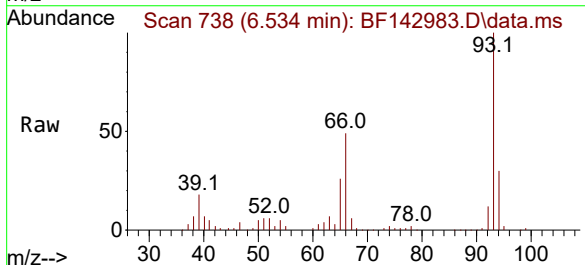
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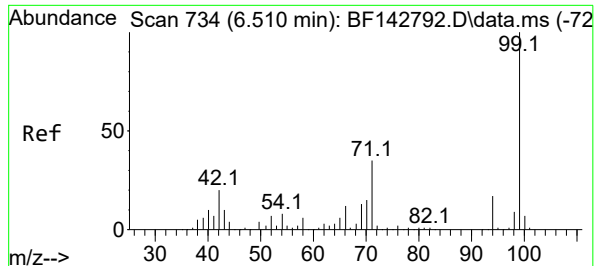
Tgt Ion:112 Resp: 249556
Ion Ratio Lower Upper
112 100
64 57.6 48.2 72.2
63 30.1 25.7 38.5



#6
Aniline
Concen: 36.455 ng
RT: 6.534 min Scan# 738
Delta R.T. -0.012 min
Lab File: BF142983.D
Acq: 02 Jul 2025 21:22

Tgt Ion: 93 Resp: 203950
Ion Ratio Lower Upper
93 100
66 48.7 31.8 47.6#
65 26.4 16.2 24.2#

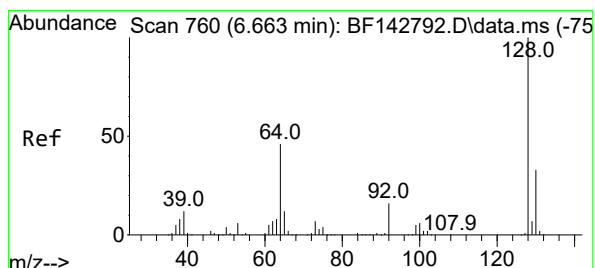
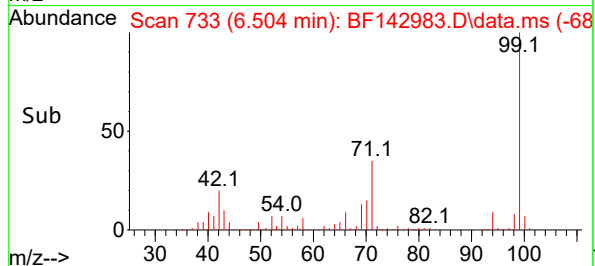
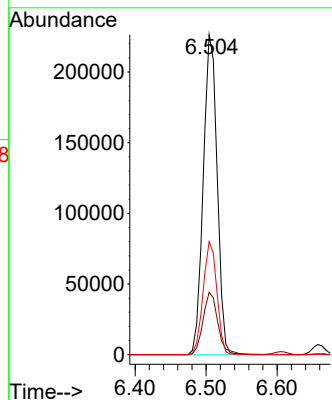
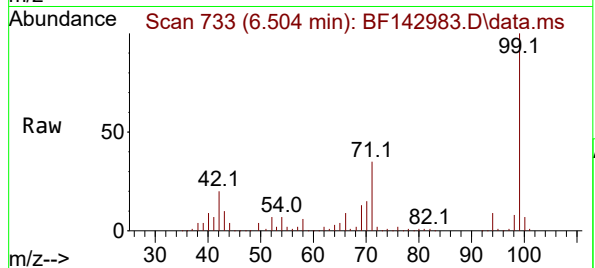




#7
Phenol-d6
Concen: 73.349 ng
RT: 6.504 min Scan# 711
Delta R.T. -0.006 min
Lab File: BF142983.D
Acq: 02 Jul 2025 21:22

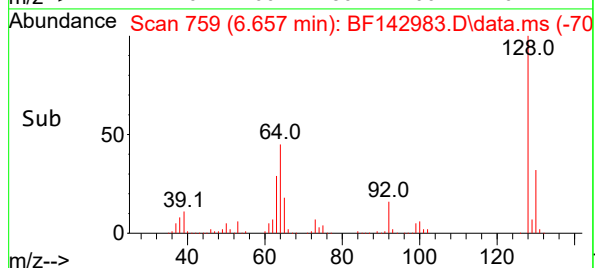
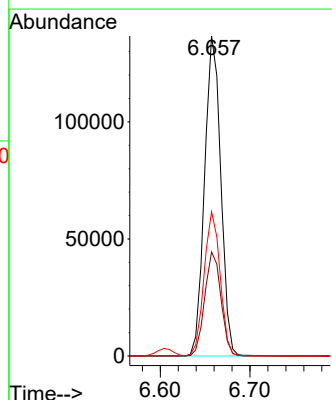
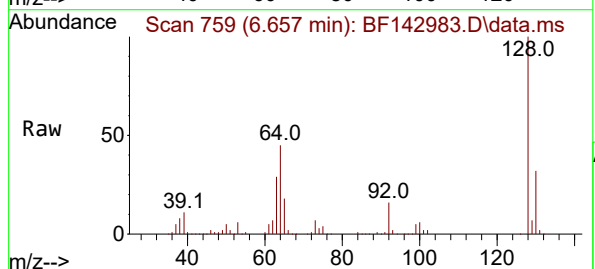
Instrument :
BNA_F
ClientSampleId :
SOIL-PILEMSD

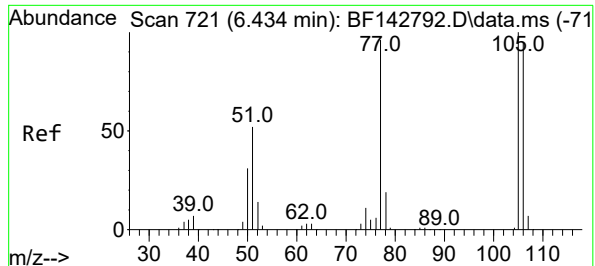
Tgt Ion: 99 Resp: 308404
Ion Ratio Lower Upper
99 100
42 19.6 15.9 23.9
71 35.4 27.8 41.8



#8
2-Chlorophenol
Concen: 44.578 ng
RT: 6.657 min Scan# 759
Delta R.T. -0.006 min
Lab File: BF142983.D
Acq: 02 Jul 2025 21:22

Tgt Ion: 128 Resp: 171373
Ion Ratio Lower Upper
128 100
130 32.5 12.7 52.7
64 45.1 26.5 66.5





#9

Benzaldehyde

Concen: 49.578 ng

RT: 6.422 min Scan# 719

Delta R.T. -0.012 min

Lab File: BF142983.D

Acq: 02 Jul 2025 21:22

Instrument :

BNA_F

ClientSampleId :

SOIL-PILEMSD

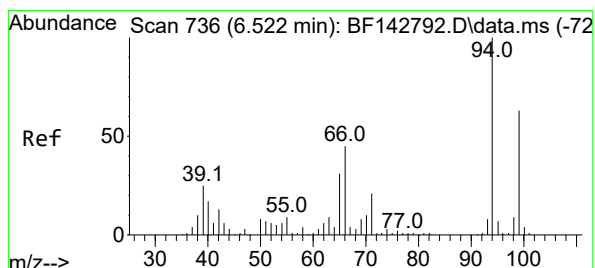
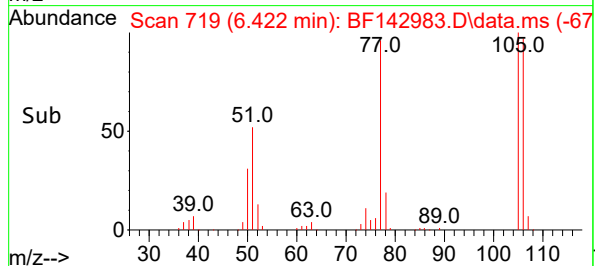
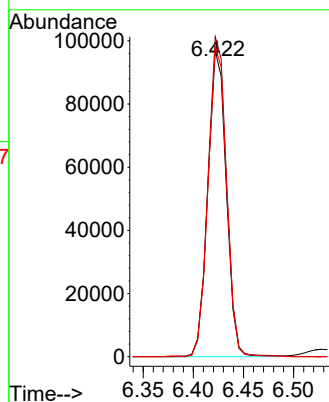
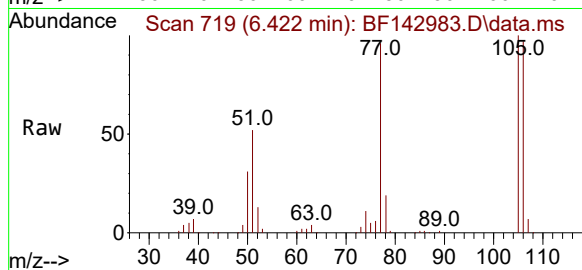
Tgt Ion: 77 Resp: 123673

Ion Ratio Lower Upper

77 100

105 104.6 83.8 123.8

106 101.3 78.7 118.7



#10

Phenol

Concen: 44.301 ng

RT: 6.522 min Scan# 736

Delta R.T. 0.000 min

Lab File: BF142983.D

Acq: 02 Jul 2025 21:22

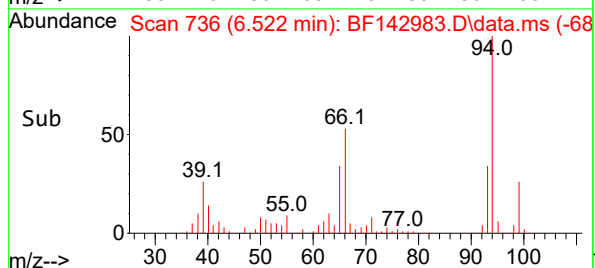
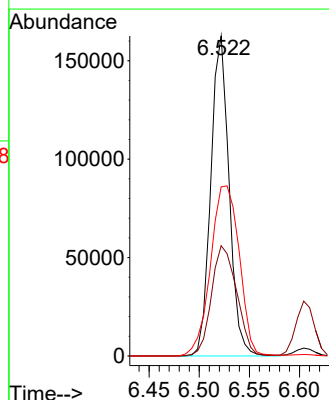
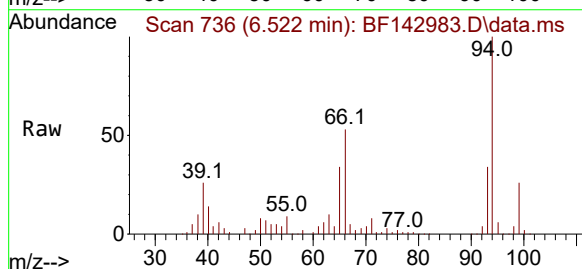
Tgt Ion: 94 Resp: 207052

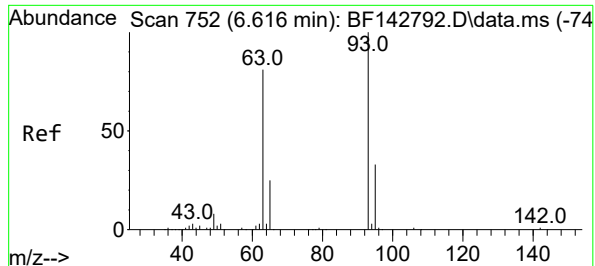
Ion Ratio Lower Upper

94 100

65 34.5 11.3 51.3

66 52.9 24.9 64.9

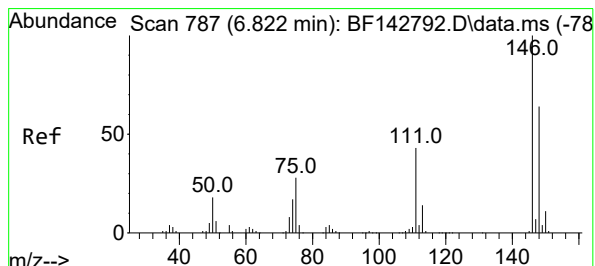
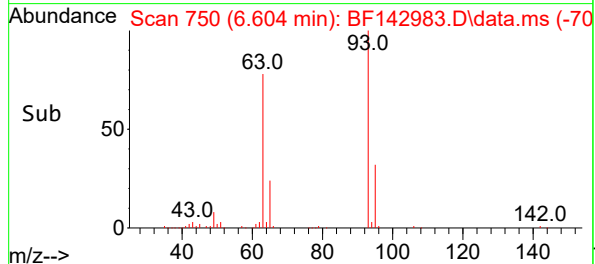
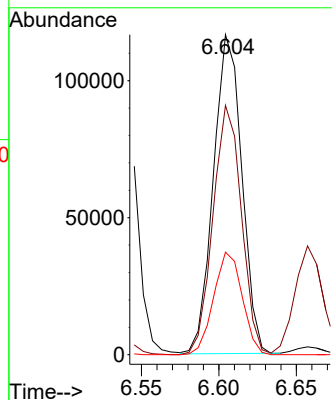
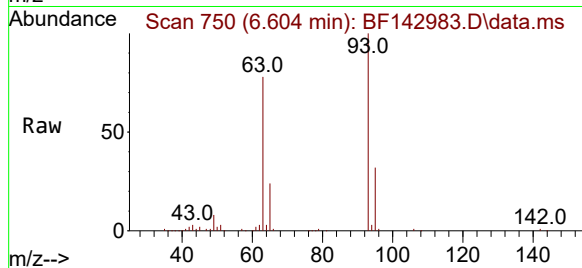




#11
bis(2-Chloroethyl)ether
Concen: 44.424 ng
RT: 6.604 min Scan# 750
Delta R.T. -0.012 min
Lab File: BF142983.D
Acq: 02 Jul 2025 21:22

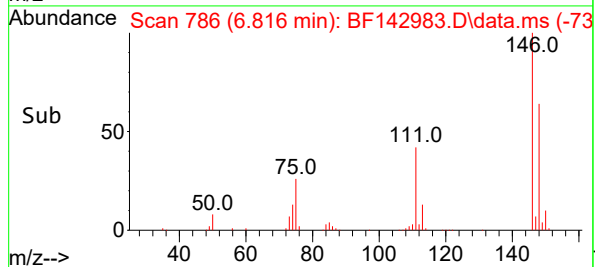
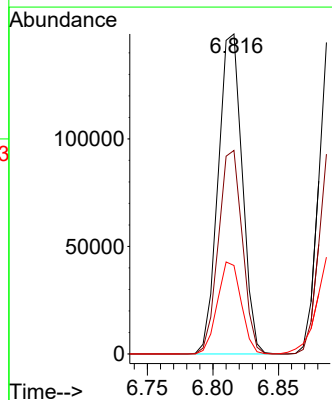
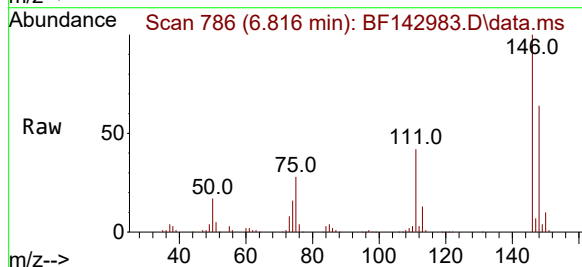
Instrument :
BNA_F
ClientSampleId :
SOIL-PILEMSD

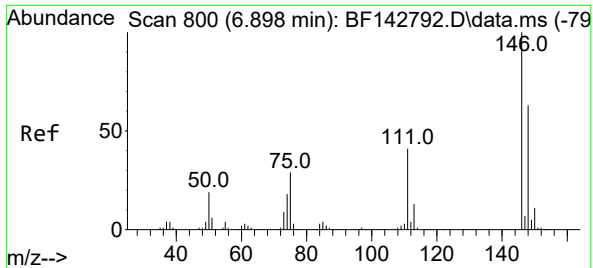
Tgt Ion: 93 Resp: 148392
Ion Ratio Lower Upper
93 100
63 77.9 60.3 100.3
95 32.0 12.5 52.5



#12
1,3-Dichlorobenzene
Concen: 44.085 ng
RT: 6.816 min Scan# 786
Delta R.T. -0.006 min
Lab File: BF142983.D
Acq: 02 Jul 2025 21:22

Tgt Ion:146 Resp: 189542
Ion Ratio Lower Upper
146 100
148 63.6 51.1 76.7
75 27.6 22.7 34.1





#13

1,4-Dichlorobenzene

Concen: 43.796 ng

RT: 6.892 min Scan# 79

Delta R.T. -0.006 min

Lab File: BF142983.D

Acq: 02 Jul 2025 21:22

Instrument :

BNA_F

ClientSampleId :

SOIL-PILEMSD

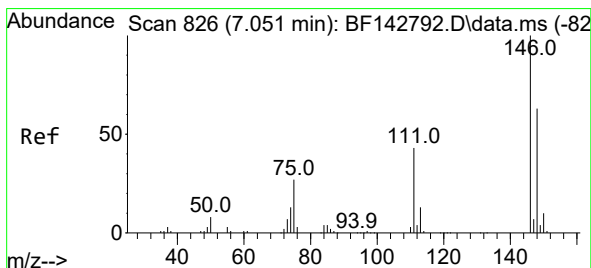
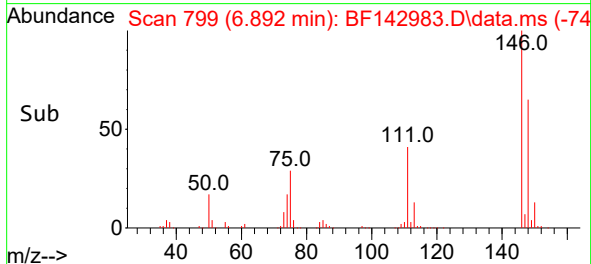
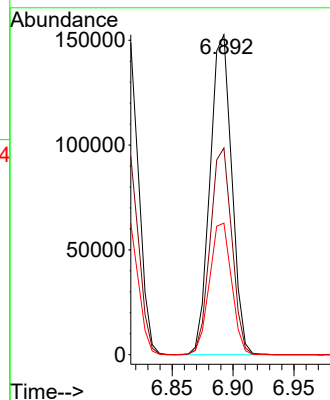
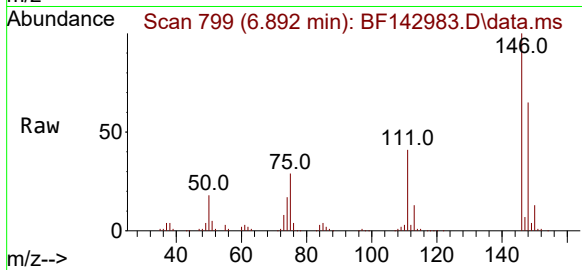
Tgt Ion:146 Resp: 189979

Ion Ratio Lower Upper

146 100

148 64.6 50.2 75.2

111 41.1 33.2 49.8



#14

1,2-Dichlorobenzene

Concen: 44.055 ng

RT: 7.039 min Scan# 824

Delta R.T. -0.012 min

Lab File: BF142983.D

Acq: 02 Jul 2025 21:22

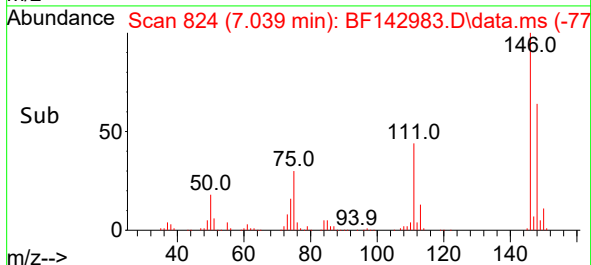
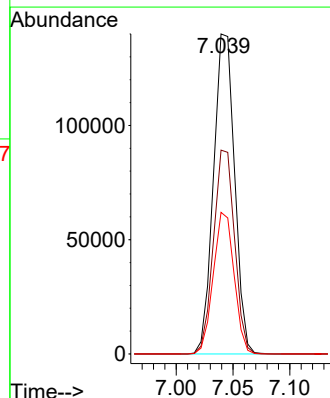
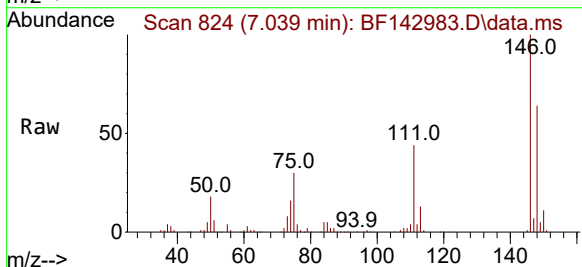
Tgt Ion:146 Resp: 181259

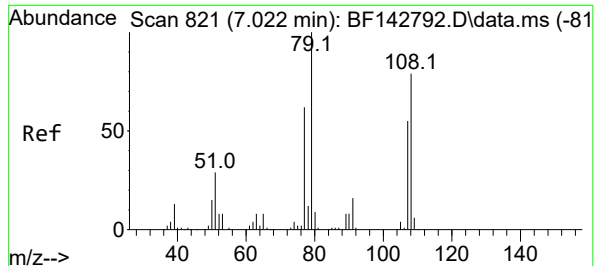
Ion Ratio Lower Upper

146 100

148 63.7 50.4 75.6

111 44.2 34.1 51.1





#15

Benzyl Alcohol

Concen: 45.734 ng

RT: 7.016 min Scan# 81

Delta R.T. -0.006 min

Lab File: BF142983.D

Acq: 02 Jul 2025 21:22

Instrument :

BNA_F

ClientSampleId :

SOIL-PILEMSD

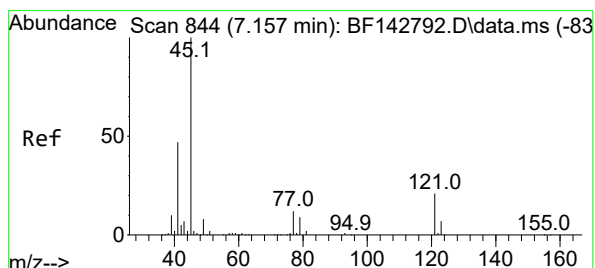
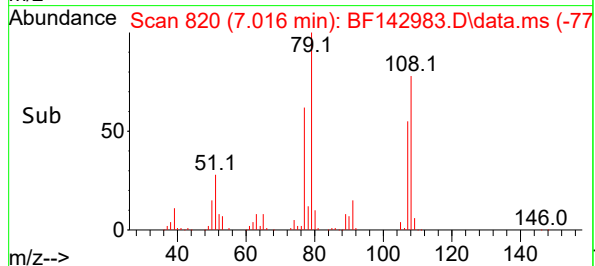
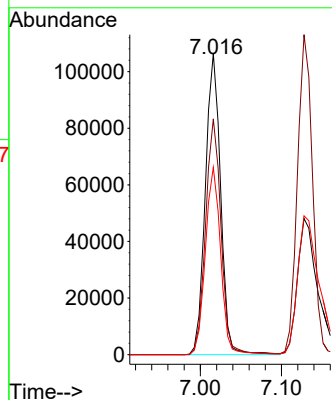
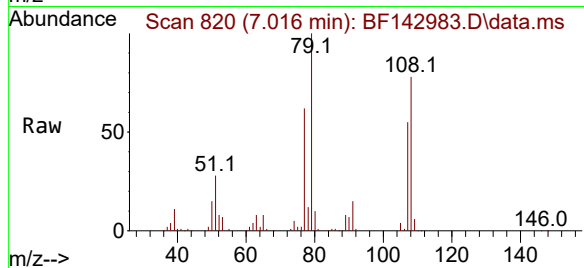
Tgt Ion: 79 Resp: 139016

Ion Ratio Lower Upper

79 100

108 78.3 63.4 95.0

77 62.2 49.5 74.3



#16

2,2'-oxybis(1-chloropropane)

Concen: 41.176 ng

RT: 7.145 min Scan# 842

Delta R.T. -0.012 min

Lab File: BF142983.D

Acq: 02 Jul 2025 21:22

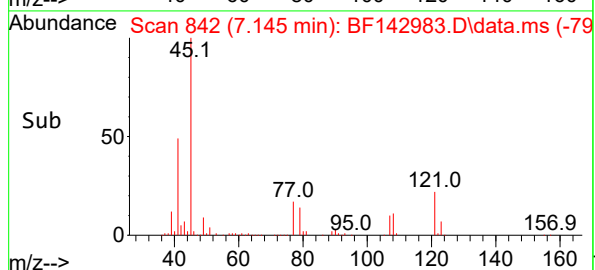
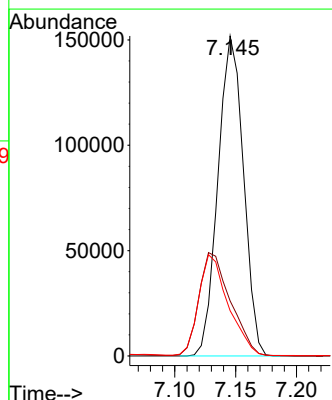
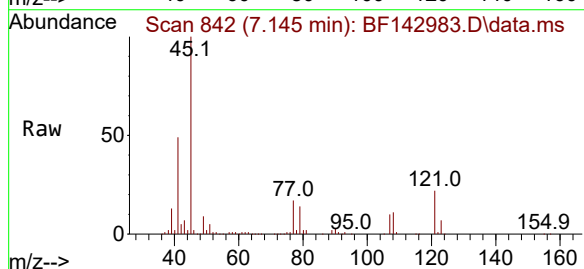
Tgt Ion: 45 Resp: 220985

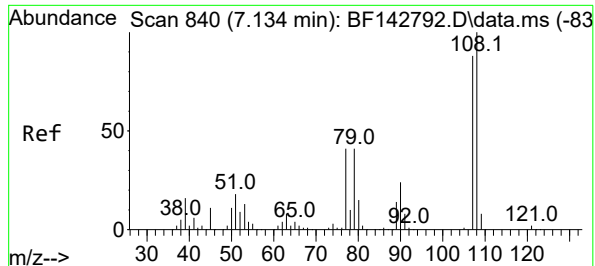
Ion Ratio Lower Upper

45 100

77 17.2 0.0 32.8

79 14.1 0.0 29.8

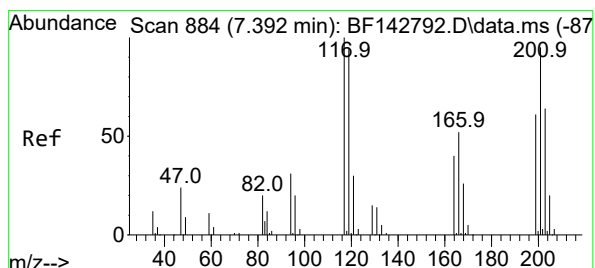
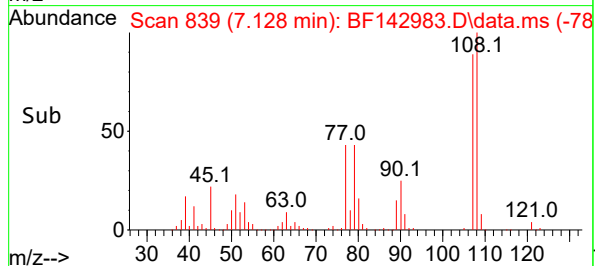
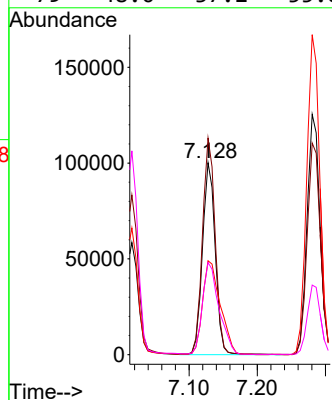
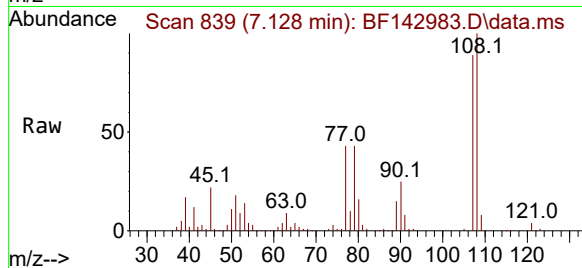




#17
2-Methylphenol
Concen: 44.855 ng
RT: 7.128 min Scan# 81
Delta R.T. -0.006 min
Lab File: BF142983.D
Acq: 02 Jul 2025 21:22

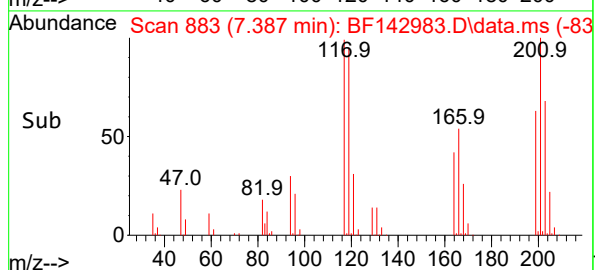
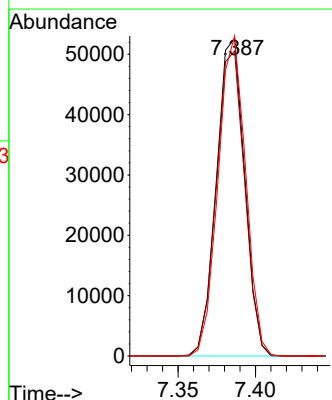
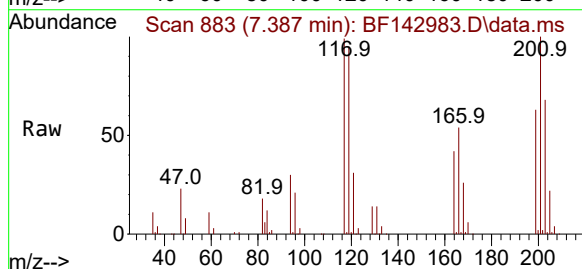
Instrument :
BNA_F
ClientSampleId :
SOIL-PILEMSD

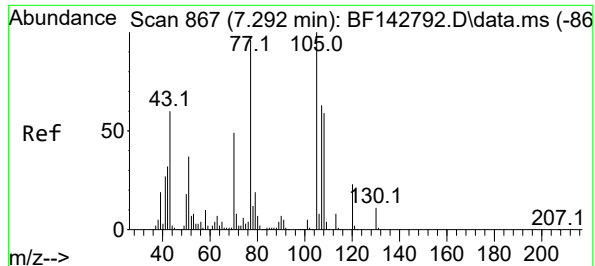
Tgt Ion:107 Resp: 130676
Ion Ratio Lower Upper
107 100
108 112.8 90.9 136.3
77 48.9 37.3 55.9
79 48.0 37.2 55.8



#18
Hexachloroethane
Concen: 43.840 ng
RT: 7.387 min Scan# 883
Delta R.T. -0.006 min
Lab File: BF142983.D
Acq: 02 Jul 2025 21:22

Tgt Ion:117 Resp: 66516
Ion Ratio Lower Upper
117 100
119 96.0 75.4 113.0
201 100.8 75.9 113.9





#19

n-Nitroso-di-n-propylamine

Concen: 45.030 ng

RT: 7.287 min Scan# 866

Delta R.T. -0.006 min

Lab File: BF142983.D

Acq: 02 Jul 2025 21:22

Instrument :

BNA_F

ClientSampleId :

SOIL-PILEMSD

Tgt Ion: 70 Resp: 110118

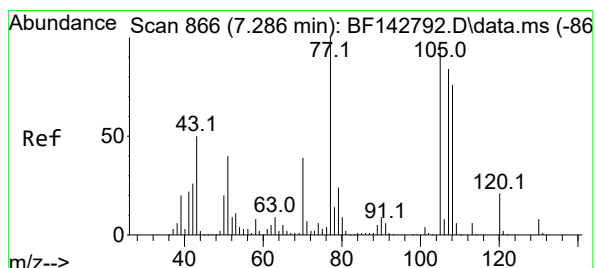
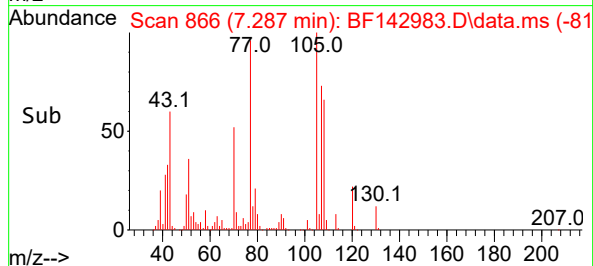
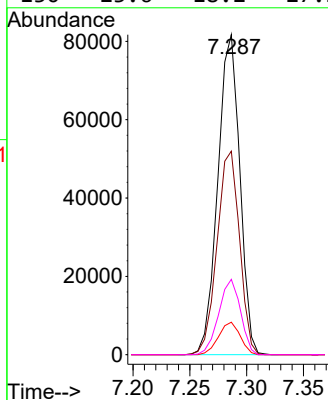
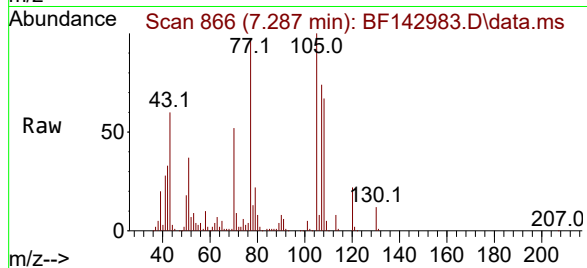
Ion Ratio Lower Upper

70 100

42 63.6 52.1 78.1

101 10.2 8.2 12.2

130 23.6 18.2 27.2



#20

3+4-Methylphenols

Concen: 46.239 ng

RT: 7.281 min Scan# 865

Delta R.T. -0.006 min

Lab File: BF142983.D

Acq: 02 Jul 2025 21:22

Tgt Ion:107 Resp: 167958

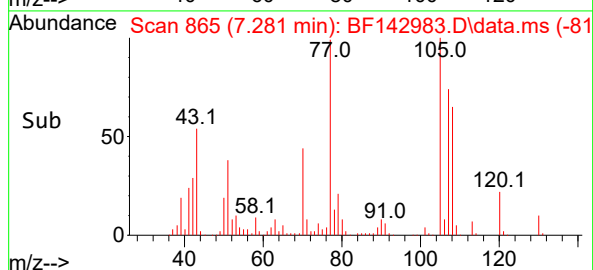
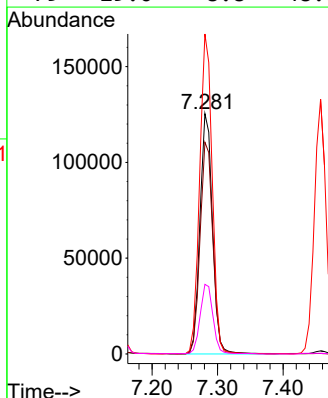
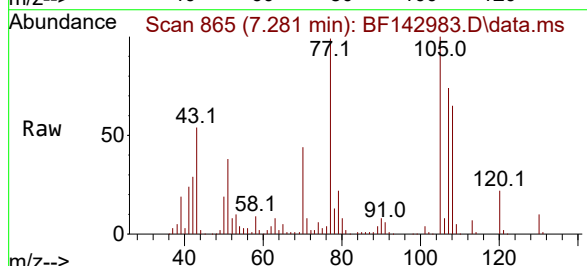
Ion Ratio Lower Upper

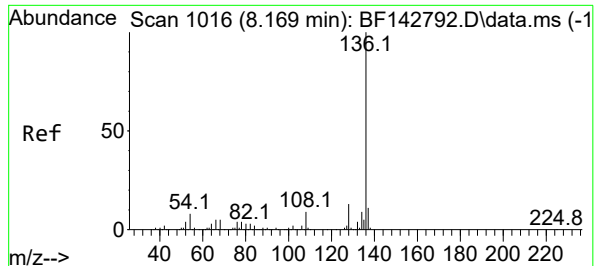
107 100

108 88.1 70.0 110.0

77 133.2 98.5 138.5

79 29.0 8.8 48.8





#21

Naphthalene-d8

Concen: 20.000 ng

RT: 8.157 min Scan# 1014

Delta R.T. -0.012 min

Lab File: BF142983.D

Acq: 02 Jul 2025 21:22

Instrument :

BNA_F

ClientSampleId :

SOIL-PILEMSD

Tgt Ion:136 Resp: 228314

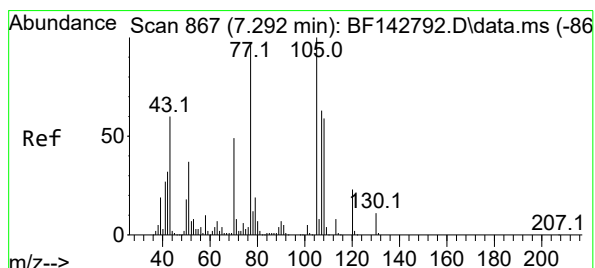
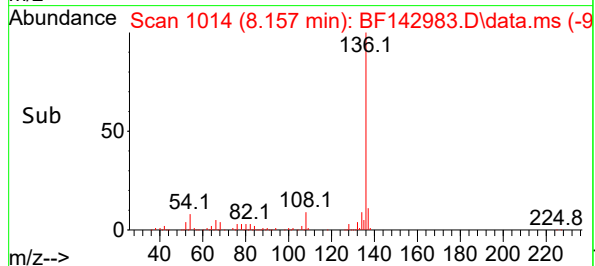
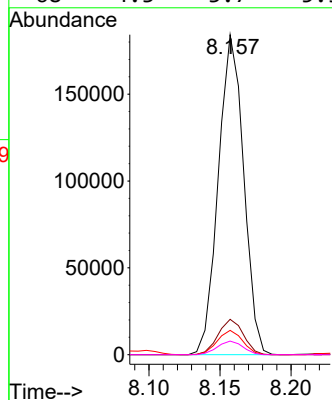
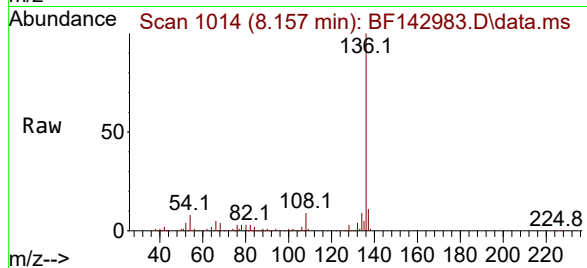
Ion Ratio Lower Upper

136 100

137 11.1 8.4 12.6

54 7.6 6.3 9.5

68 4.3 3.7 5.5



#22

Acetophenone

Concen: 45.087 ng

RT: 7.281 min Scan# 865

Delta R.T. -0.012 min

Lab File: BF142983.D

Acq: 02 Jul 2025 21:22

Tgt Ion:105 Resp: 227000

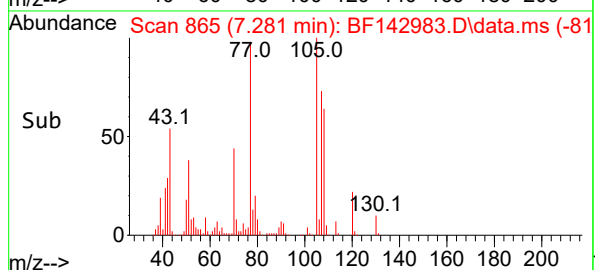
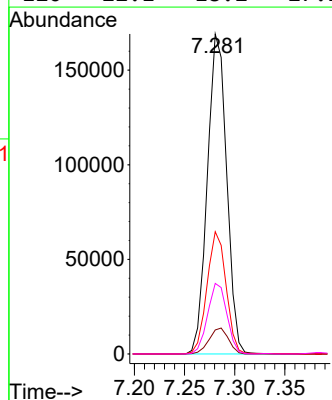
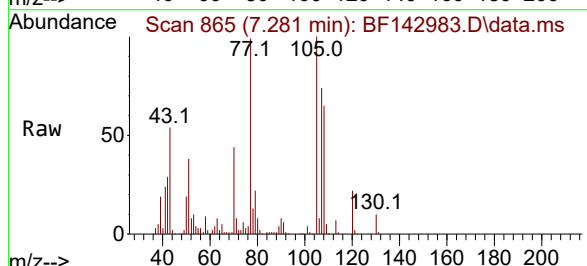
Ion Ratio Lower Upper

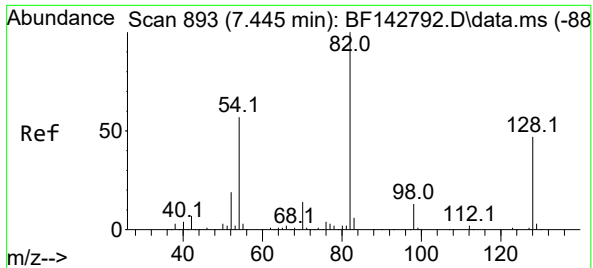
105 100

71 7.5 6.5 9.7

51 38.2 29.8 44.8

120 22.1 18.2 27.2





#23

Nitrobenzene-d5

Concen: 44.763 ng

RT: 7.439 min Scan# 891

Delta R.T. -0.006 min

Lab File: BF142983.D

Acq: 02 Jul 2025 21:22

Instrument :

BNA_F

ClientSampleId :

SOIL-PILEMSD

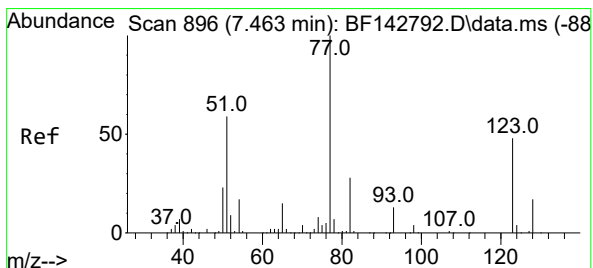
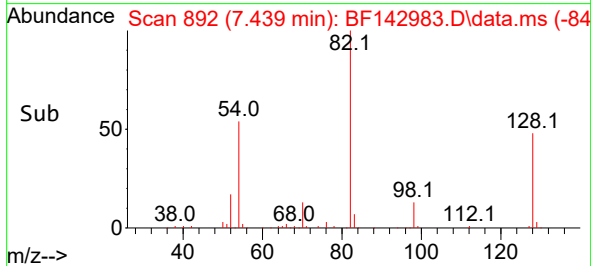
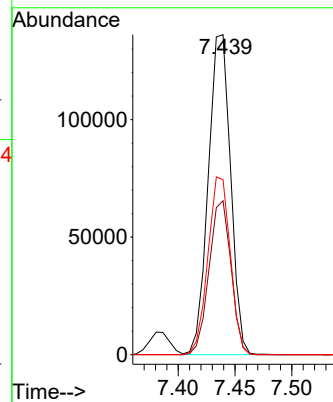
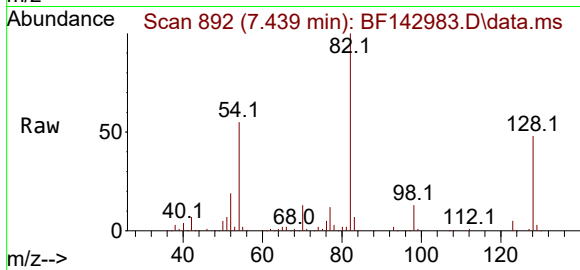
Tgt Ion: 82 Resp: 186323

Ion Ratio Lower Upper

82 100

128 48.1 37.7 56.5

54 54.7 45.7 68.5



#24

Nitrobenzene

Concen: 43.578 ng

RT: 7.457 min Scan# 895

Delta R.T. -0.006 min

Lab File: BF142983.D

Acq: 02 Jul 2025 21:22

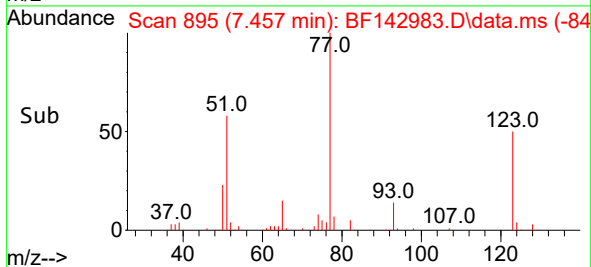
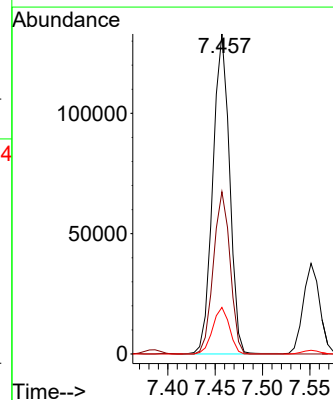
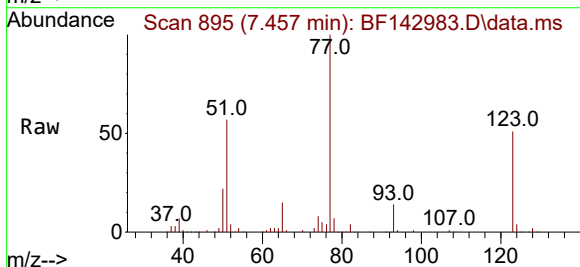
Tgt Ion: 77 Resp: 164177

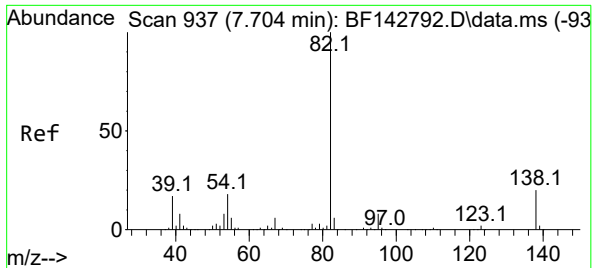
Ion Ratio Lower Upper

77 100

123 50.7 39.2 58.8

65 14.5 11.6 17.4

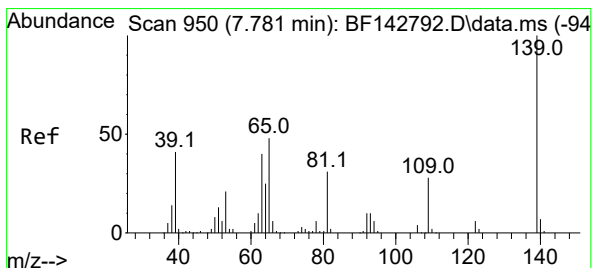
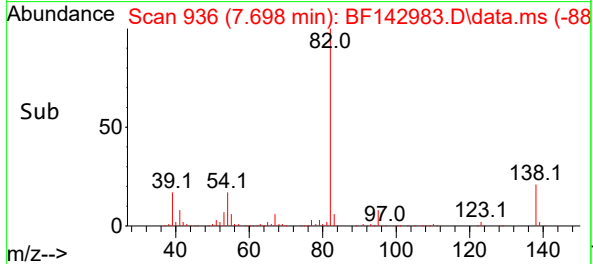
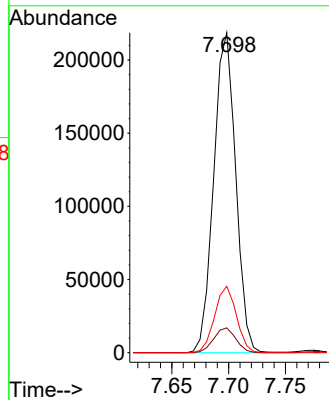
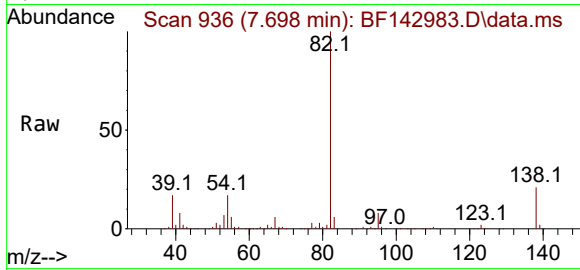




#25
Isophorone
Concen: 44.057 ng
RT: 7.698 min Scan# 91
Delta R.T. -0.006 min
Lab File: BF142983.D
Acq: 02 Jul 2025 21:22

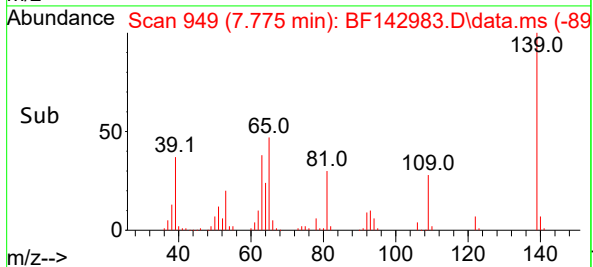
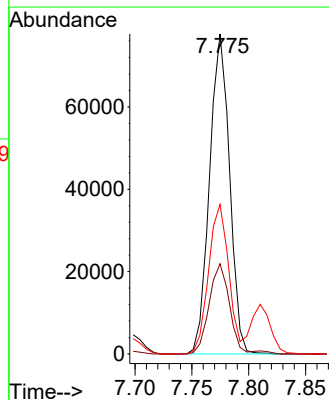
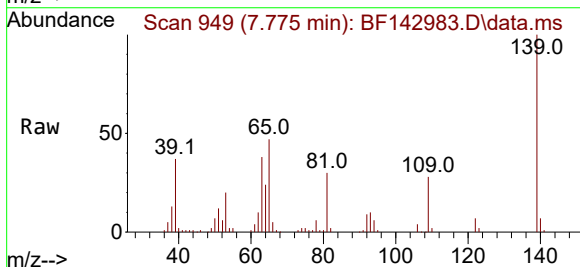
Instrument :
BNA_F
ClientSampleId :
SOIL-PILEMSD

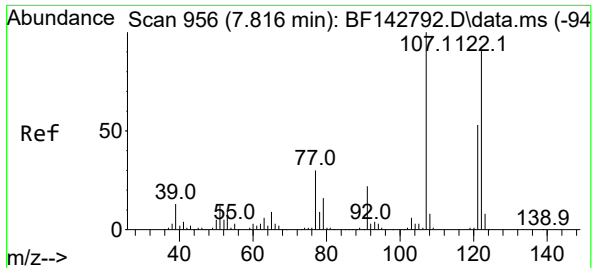
Tgt Ion: 82 Resp: 294180
Ion Ratio Lower Upper
82 100
95 7.8 6.2 9.2
138 20.8 16.2 24.4



#26
2-Nitrophenol
Concen: 46.365 ng
RT: 7.775 min Scan# 949
Delta R.T. -0.006 min
Lab File: BF142983.D
Acq: 02 Jul 2025 21:22

Tgt Ion: 139 Resp: 95154
Ion Ratio Lower Upper
139 100
109 28.2 22.7 34.1
65 46.7 38.6 58.0





#27

2,4-Dimethylphenol

Concen: 42.860 ng

RT: 7.810 min Scan# 91

Delta R.T. -0.006 min

Lab File: BF142983.D

Acq: 02 Jul 2025 21:22

Instrument :

BNA_F

ClientSampleId :

SOIL-PILEMSD

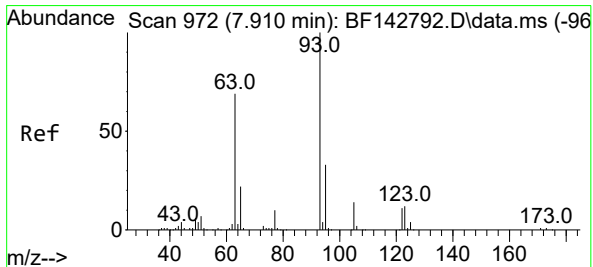
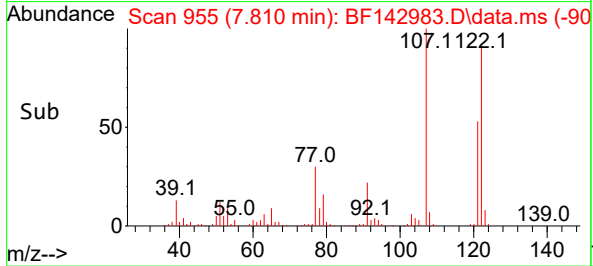
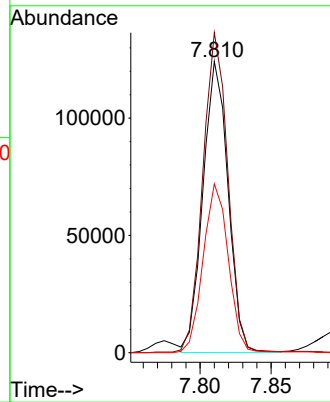
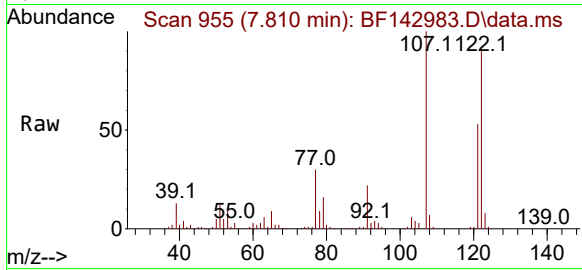
Tgt Ion:122 Resp: 152362

Ion Ratio Lower Upper

122 100

107 109.8 88.0 132.0

121 57.9 46.3 69.5



#28

bis(2-Chloroethoxy)methane

Concen: 44.168 ng

RT: 7.904 min Scan# 971

Delta R.T. -0.006 min

Lab File: BF142983.D

Acq: 02 Jul 2025 21:22

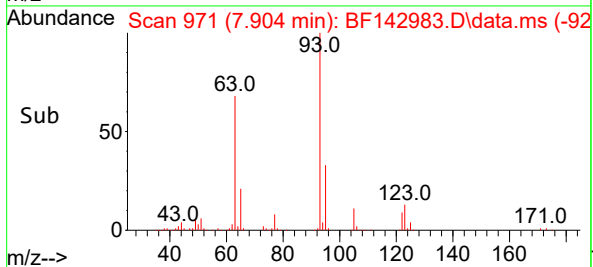
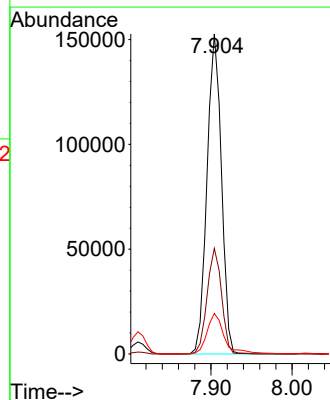
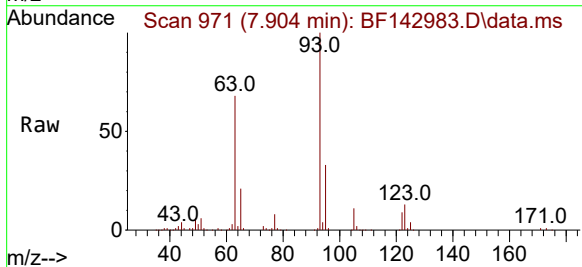
Tgt Ion: 93 Resp: 187498

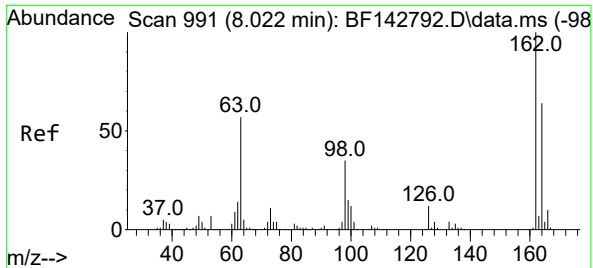
Ion Ratio Lower Upper

93 100

95 33.0 26.2 39.2

123 12.7 9.9 14.9





#29

2,4-Dichlorophenol

Concen: 44.732 ng

RT: 8.016 min Scan# 991

Delta R.T. -0.006 min

Lab File: BF142983.D

Acq: 02 Jul 2025 21:22

Instrument :

BNA_F

ClientSampleId :

SOIL-PILEMSD

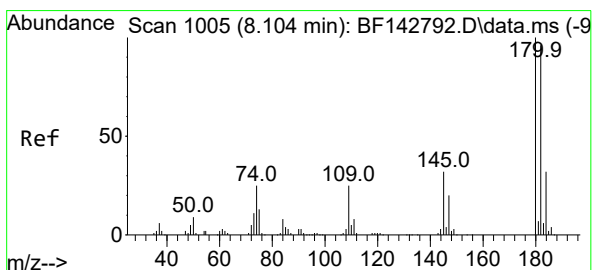
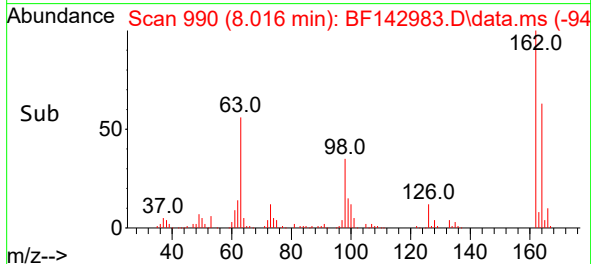
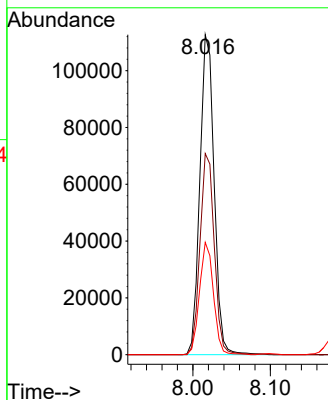
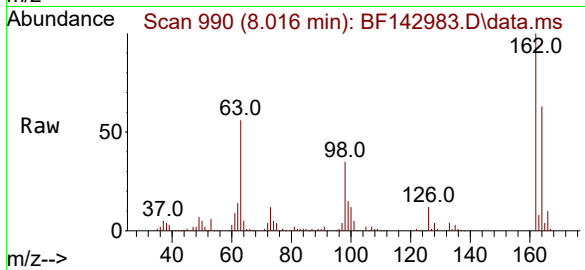
Tgt Ion:162 Resp: 144183

Ion Ratio Lower Upper

162 100

164 62.9 44.0 84.0

98 35.1 15.4 55.4



#30

1,2,4-Trichlorobenzene

Concen: 43.749 ng

RT: 8.098 min Scan# 1004

Delta R.T. -0.006 min

Lab File: BF142983.D

Acq: 02 Jul 2025 21:22

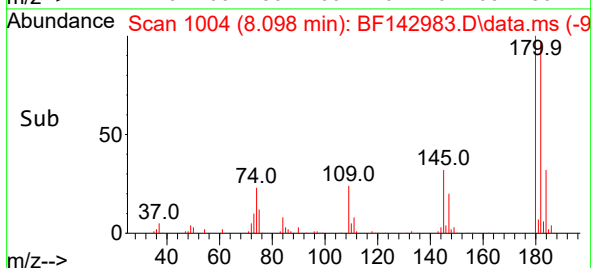
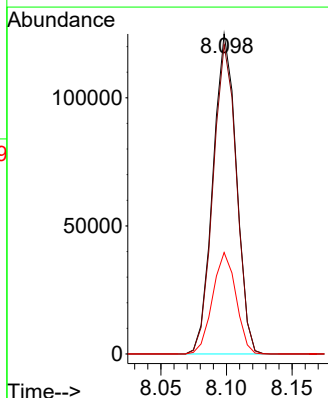
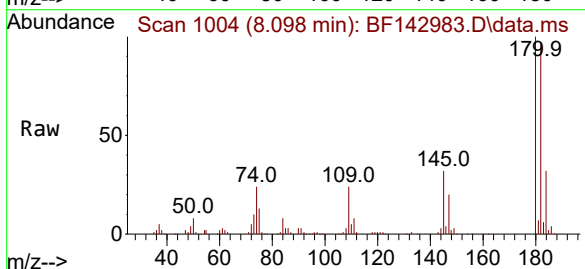
Tgt Ion:180 Resp: 155061

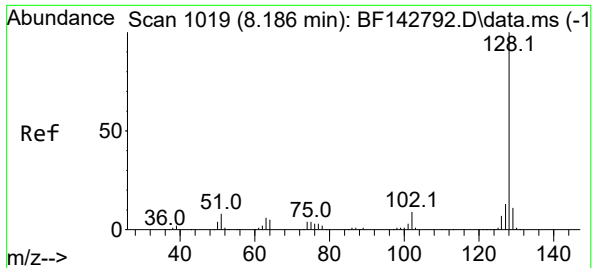
Ion Ratio Lower Upper

180 100

182 96.7 76.4 114.6

145 31.7 25.8 38.8





#31

Naphthalene

Concen: 43.833 ng

RT: 8.181 min Scan# 1019

Delta R.T. -0.006 min

Lab File: BF142983.D

Acq: 02 Jul 2025 21:22

Instrument :

BNA_F

ClientSampleId :

SOIL-PILEMSD

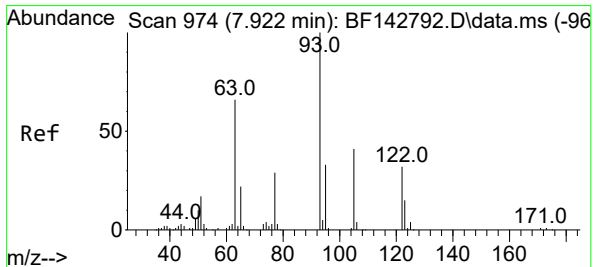
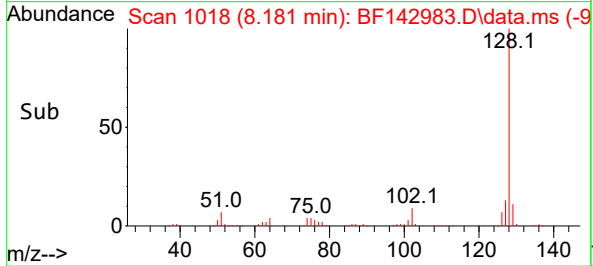
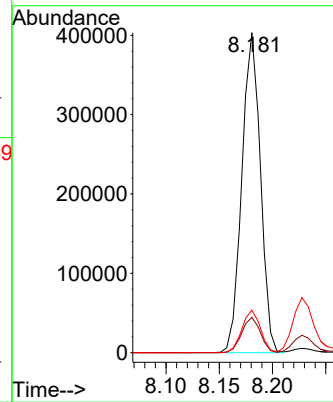
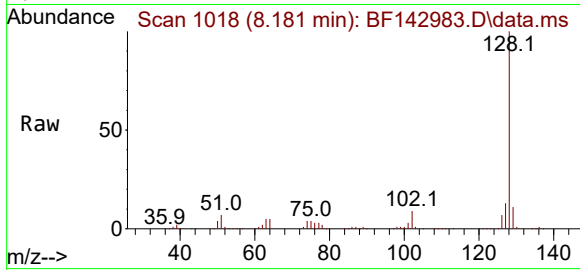
Tgt Ion:128 Resp: 489860

Ion Ratio Lower Upper

128 100

129 11.0 8.9 13.3

127 13.3 10.4 15.6



#32

Benzoic acid

Concen: 42.992 ng

RT: 7.928 min Scan# 975

Delta R.T. 0.006 min

Lab File: BF142983.D

Acq: 02 Jul 2025 21:22

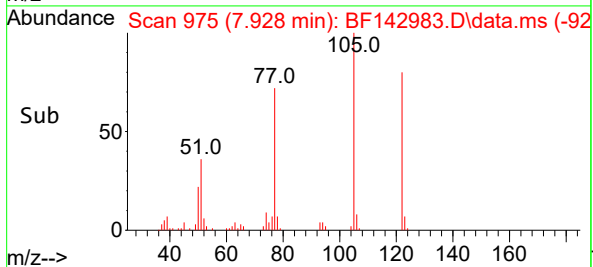
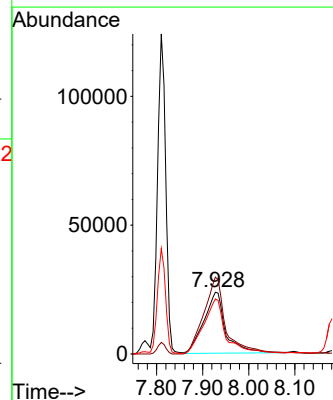
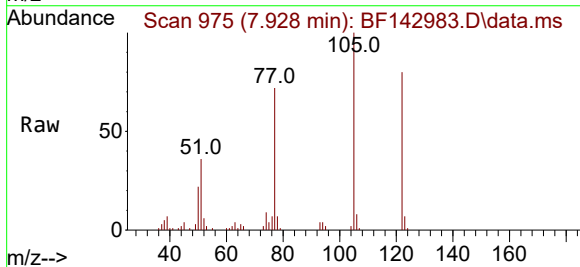
Tgt Ion:122 Resp: 77897

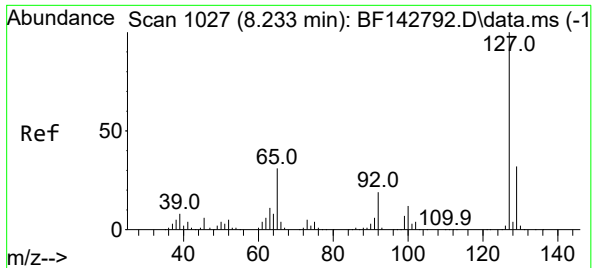
Ion Ratio Lower Upper

122 100

105 124.2 104.7 144.7

77 89.1 70.2 110.2

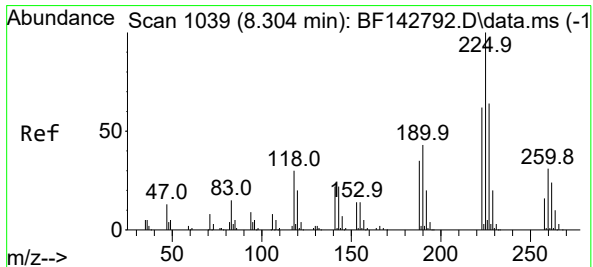
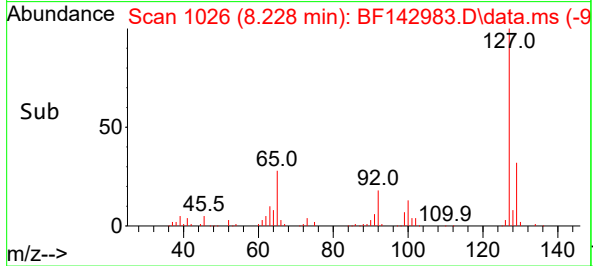
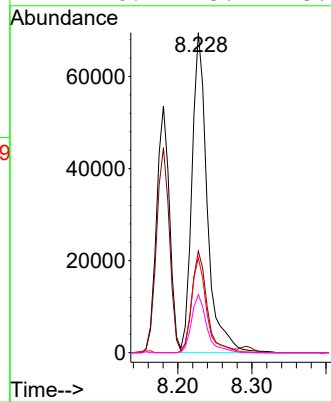
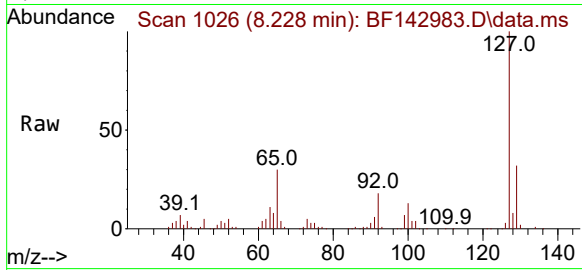




#33
4-Chloroaniline
Concen: 21.959 ng
RT: 8.228 min Scan# 1026
Delta R.T. -0.006 min
Lab File: BF142983.D
Acq: 02 Jul 2025 21:22

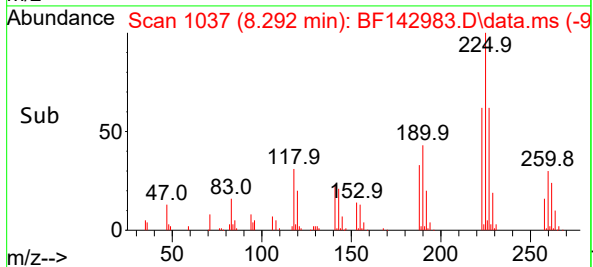
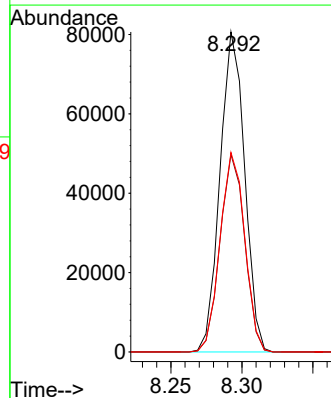
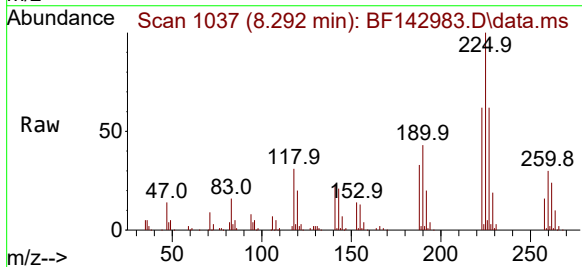
Instrument :
BNA_F
ClientSampleId :
SOIL-PILEMSD

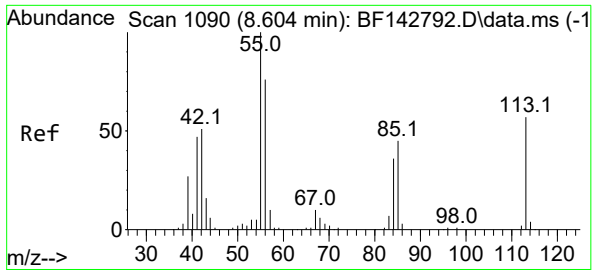
Tgt Ion:127	Resp:	99788
Ion Ratio	Lower	Upper
127	100	
129	31.7	25.9 38.9
65	29.7	24.6 36.8
92	18.2	15.4 23.0



#34
Hexachlorobutadiene
Concen: 44.786 ng
RT: 8.292 min Scan# 1037
Delta R.T. -0.012 min
Lab File: BF142983.D
Acq: 02 Jul 2025 21:22

Tgt Ion:225	Resp:	97097
Ion Ratio	Lower	Upper
225	100	
223	61.7	49.9 74.9
227	62.4	51.4 77.0





#35

Caprolactam

Concen: 51.087 ng

RT: 8.604 min Scan# 1090

Delta R.T. 0.000 min

Lab File: BF142983.D

Acq: 02 Jul 2025 21:22

Instrument :

BNA_F

ClientSampleId :

SOIL-PILEMSD

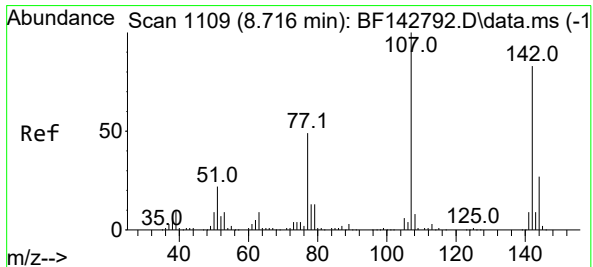
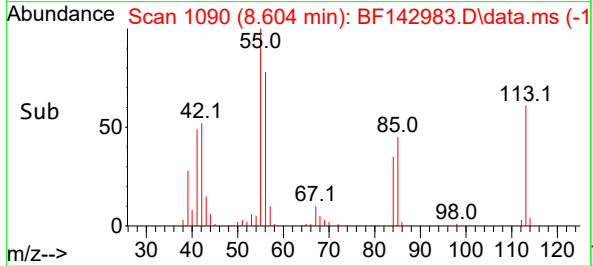
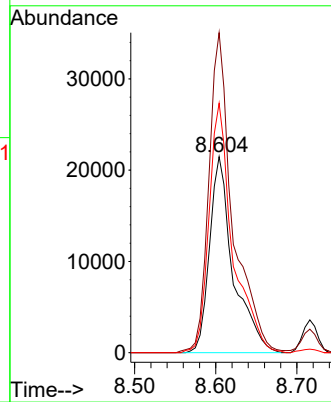
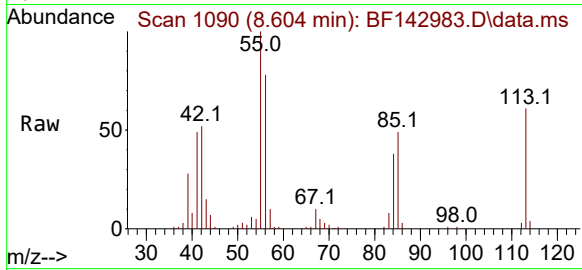
Tgt Ion:113 Resp: 43452

Ion Ratio Lower Upper

113 100

55 163.2 154.4 194.4

56 127.3 112.1 152.1



#36

4-Chloro-3-methylphenol

Concen: 45.074 ng

RT: 8.716 min Scan# 1109

Delta R.T. 0.000 min

Lab File: BF142983.D

Acq: 02 Jul 2025 21:22

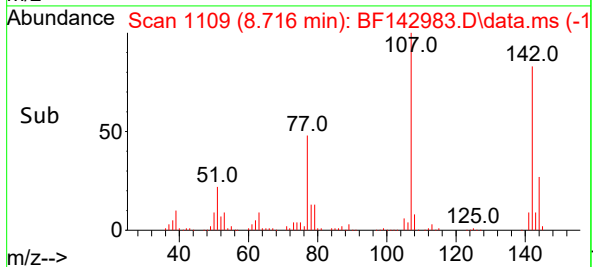
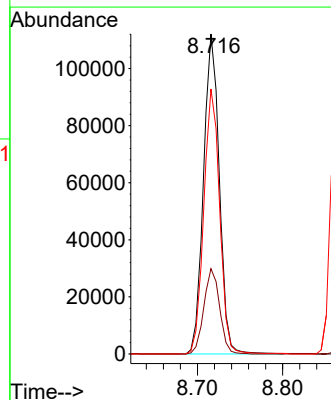
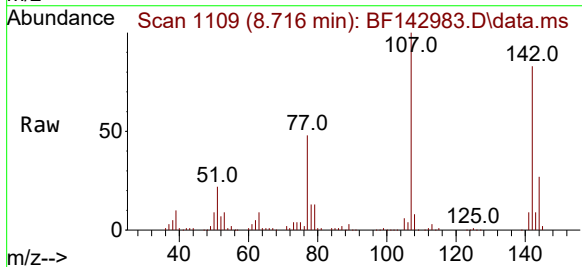
Tgt Ion:107 Resp: 144392

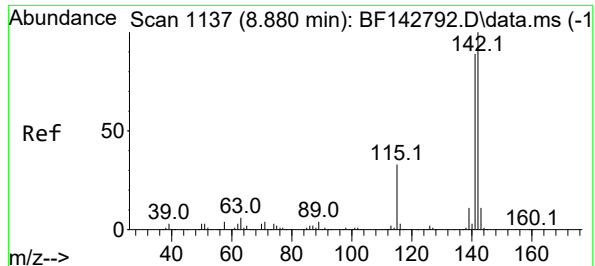
Ion Ratio Lower Upper

107 100

144 26.6 21.3 31.9

142 82.8 66.6 100.0





#37

2-Methylnaphthalene

Concen: 44.188 ng

RT: 8.869 min Scan# 1135

Delta R.T. -0.012 min

Lab File: BF142983.D

Acq: 02 Jul 2025 21:22

Instrument :

BNA_F

ClientSampleId :

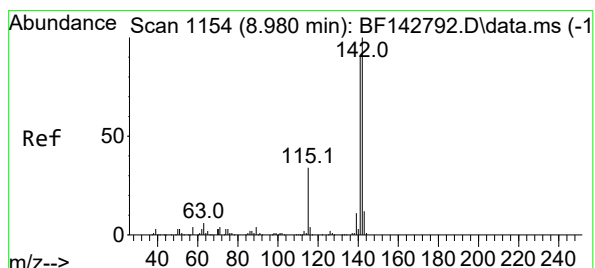
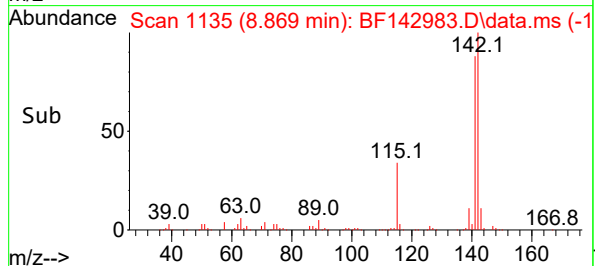
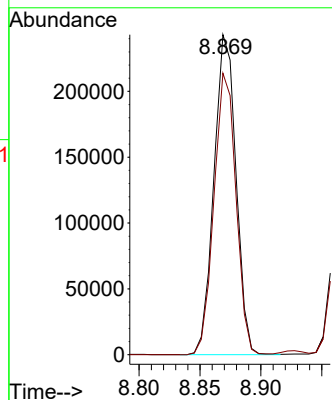
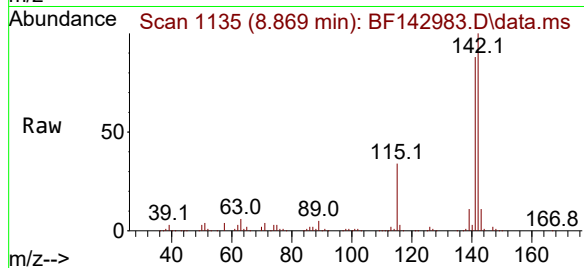
SOIL-PILEMSD

Tgt Ion:142 Resp: 306158

Ion Ratio Lower Upper

142 100

141 88.0 70.9 106.3



#38

1-Methylnaphthalene

Concen: 43.919 ng

RT: 8.969 min Scan# 1152

Delta R.T. -0.012 min

Lab File: BF142983.D

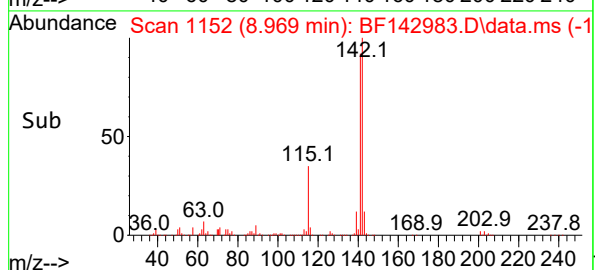
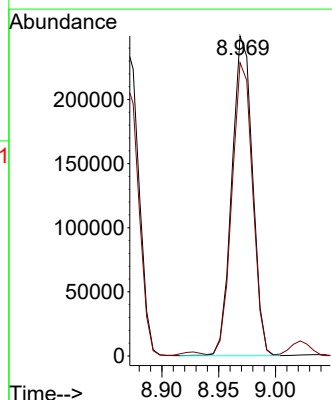
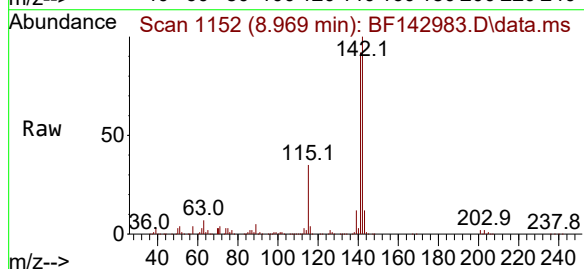
Acq: 02 Jul 2025 21:22

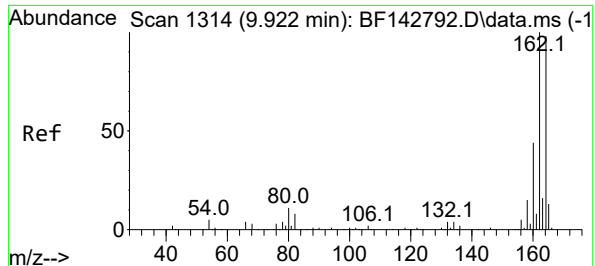
Tgt Ion:142 Resp: 314995

Ion Ratio Lower Upper

142 100

141 91.6 73.0 109.4





#39

Acenaphthene-d10

Concen: 20.000 ng

RT: 9.916 min Scan# 1164

Delta R.T. -0.006 min

Lab File: BF142983.D

Acq: 02 Jul 2025 21:22

Instrument :

BNA_F

ClientSampleId :

SOIL-PILEMSD

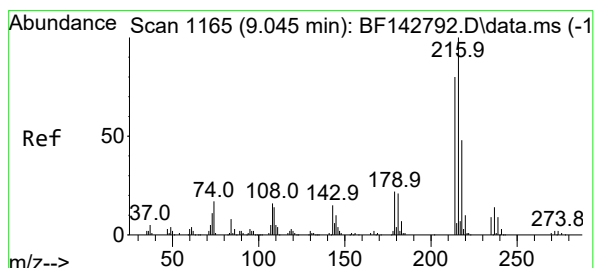
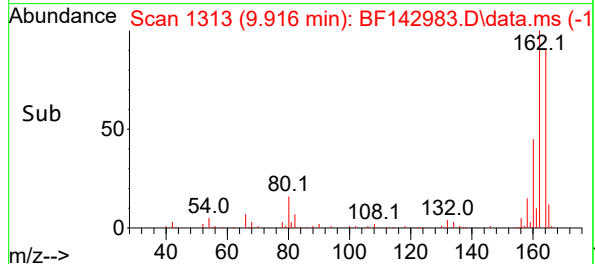
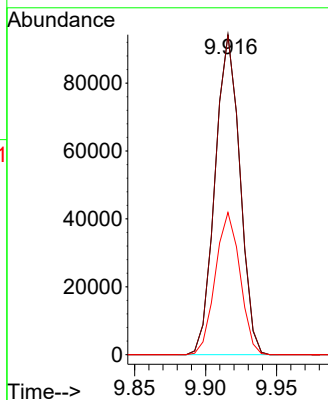
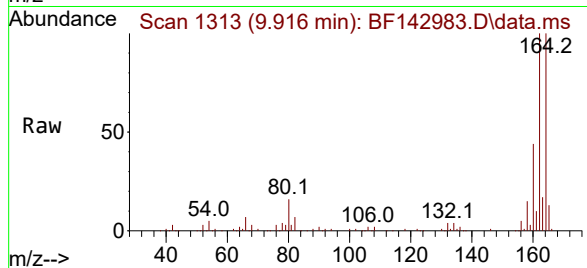
Tgt Ion:164 Resp: 114108

Ion Ratio Lower Upper

164 100

162 99.7 81.8 122.8

160 44.5 36.0 54.0



#40

1,2,4,5-Tetrachlorobenzene

Concen: 46.037 ng

RT: 9.039 min Scan# 1164

Delta R.T. -0.006 min

Lab File: BF142983.D

Acq: 02 Jul 2025 21:22

Tgt Ion:216 Resp: 155004

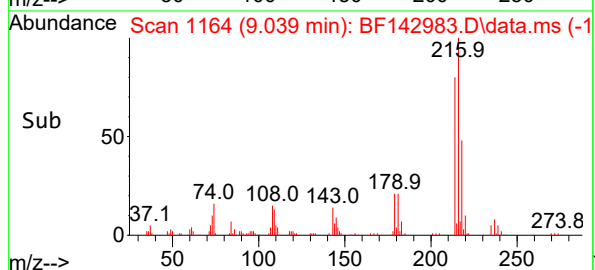
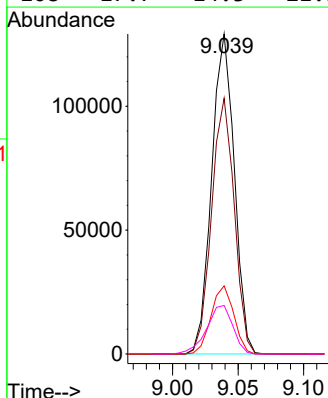
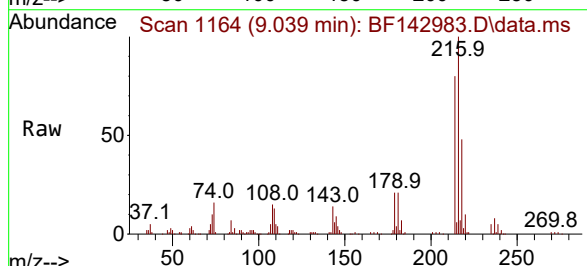
Ion Ratio Lower Upper

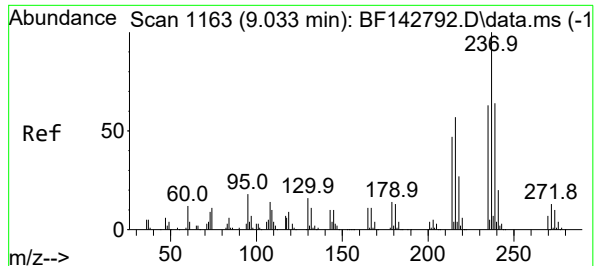
216 100

214 79.9 63.7 95.5

179 21.4 17.6 26.4

108 17.7 14.3 21.5





#41

Hexachlorocyclopentadiene

Concen: 62.317 ng

RT: 9.022 min Scan# 1161

Delta R.T. -0.012 min

Lab File: BF142983.D

Acq: 02 Jul 2025 21:22

Instrument :

BNA_F

ClientSampleId :

SOIL-PILEMSD

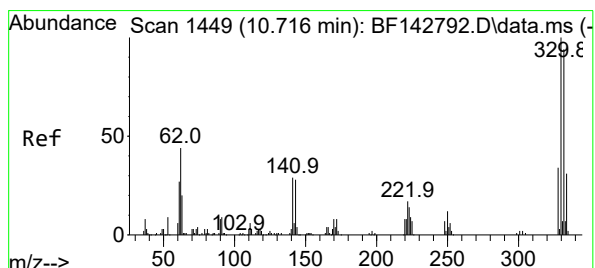
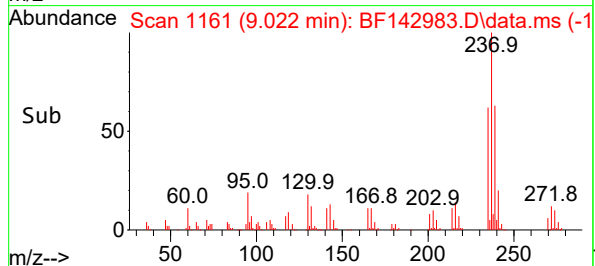
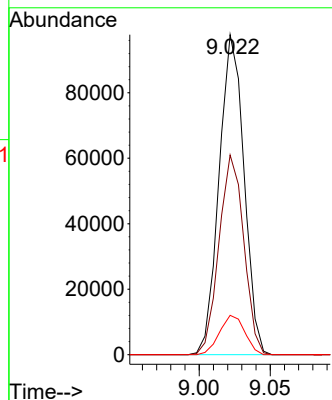
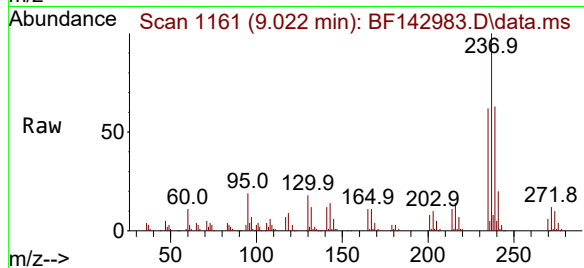
Tgt Ion:237 Resp: 119067

Ion Ratio Lower Upper

237 100

235 62.4 43.4 83.4

272 12.3 0.0 32.7



#42

2,4,6-Tribromophenol

Concen: 61.730 ng

RT: 10.704 min Scan# 1447

Delta R.T. -0.012 min

Lab File: BF142983.D

Acq: 02 Jul 2025 21:22

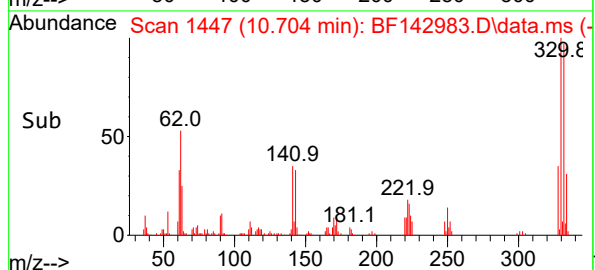
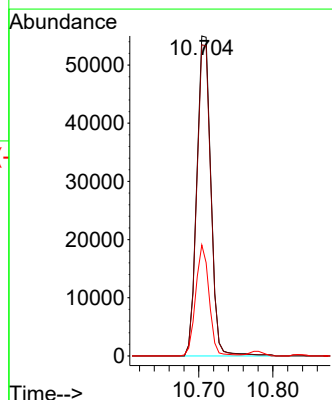
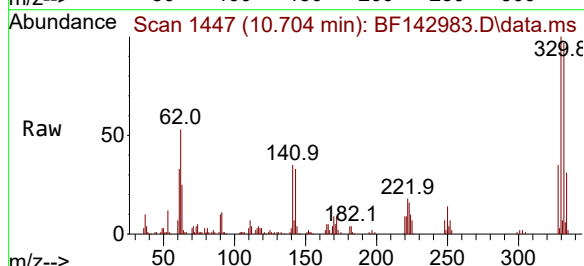
Tgt Ion:330 Resp: 72486

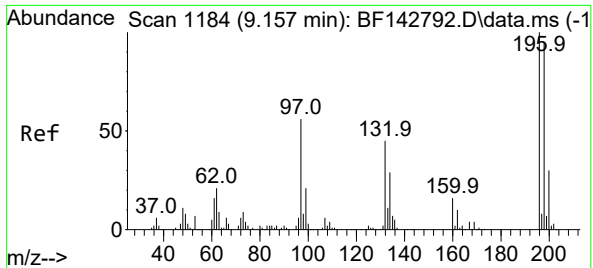
Ion Ratio Lower Upper

330 100

332 96.9 75.0 112.6

141 33.2 25.3 37.9





#43

2,4,6-Trichlorophenol

Concen: 45.591 ng

RT: 9.151 min Scan# 1183

Delta R.T. -0.006 min

Lab File: BF142983.D

Acq: 02 Jul 2025 21:22

Instrument :

BNA_F

ClientSampleId :

SOIL-PILEMSD

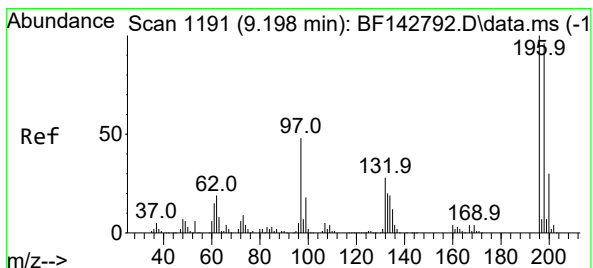
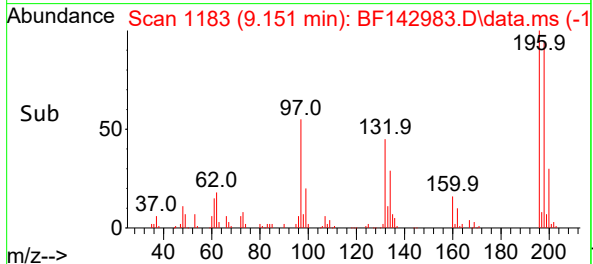
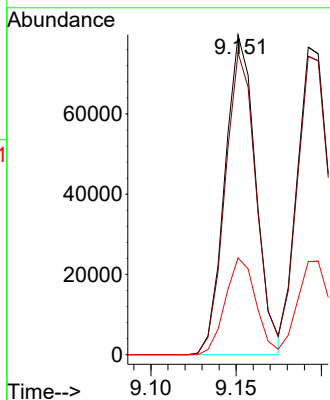
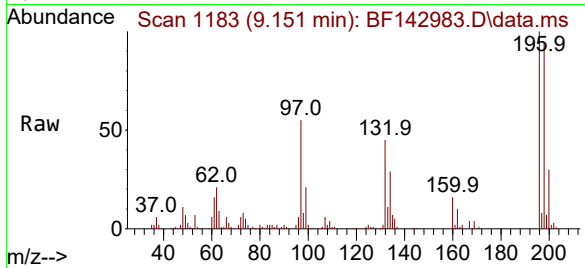
Tgt Ion:196 Resp: 100027

Ion Ratio Lower Upper

196 100

198 94.4 76.2 114.2

200 30.2 24.1 36.1



#44

2,4,5-Trichlorophenol

Concen: 44.072 ng

RT: 9.192 min Scan# 1190

Delta R.T. -0.006 min

Lab File: BF142983.D

Acq: 02 Jul 2025 21:22

Tgt Ion:196 Resp: 101787

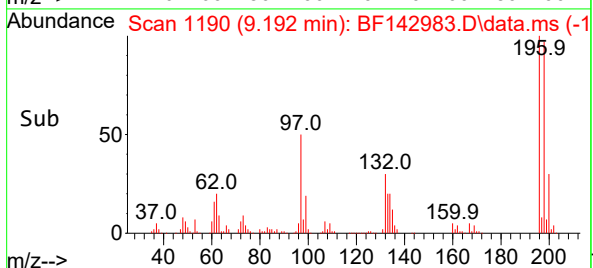
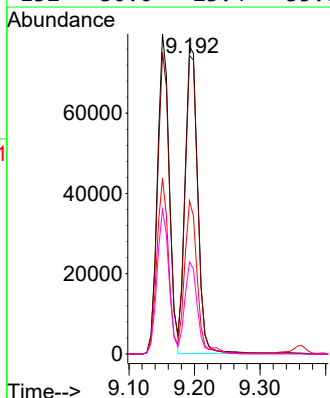
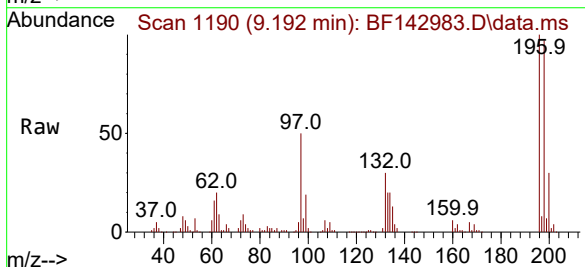
Ion Ratio Lower Upper

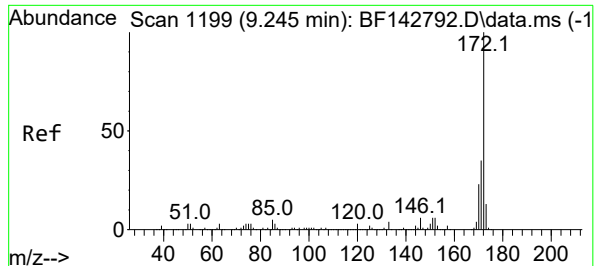
196 100

198 97.1 76.6 115.0

97 49.8 38.2 57.2

132 30.0 23.4 35.0





#45

2-Fluorobiphenyl

Concen: 42.045 ng

RT: 9.233 min Scan# 1199

Delta R.T. -0.012 min

Lab File: BF142983.D

Acq: 02 Jul 2025 21:22

Instrument :

BNA_F

ClientSampleId :

SOIL-PILEMSD

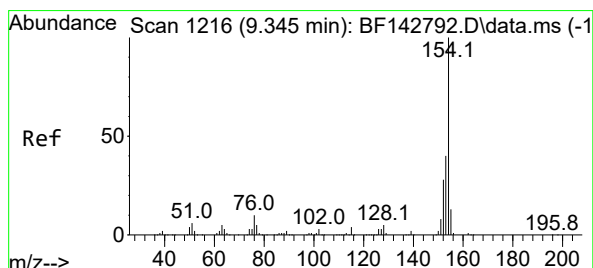
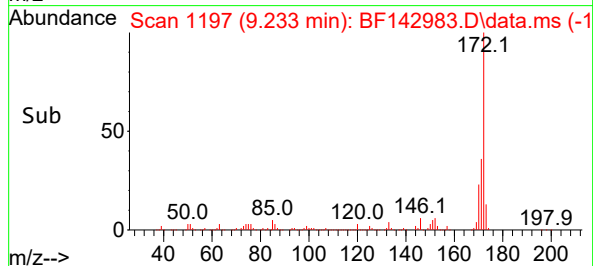
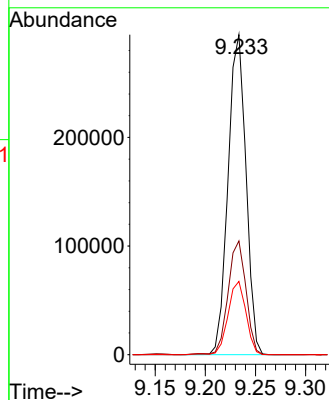
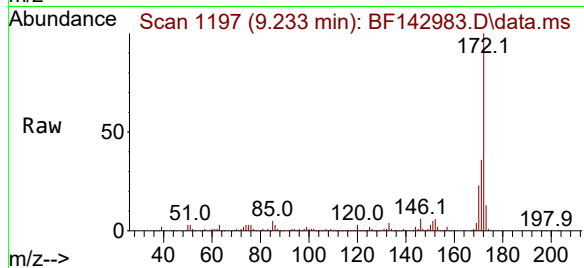
Tgt Ion:172 Resp: 365207

Ion Ratio Lower Upper

172 100

171 35.5 28.2 42.4

170 22.9 18.5 27.7



#46

1,1'-Biphenyl

Concen: 46.265 ng

RT: 9.333 min Scan# 1214

Delta R.T. -0.012 min

Lab File: BF142983.D

Acq: 02 Jul 2025 21:22

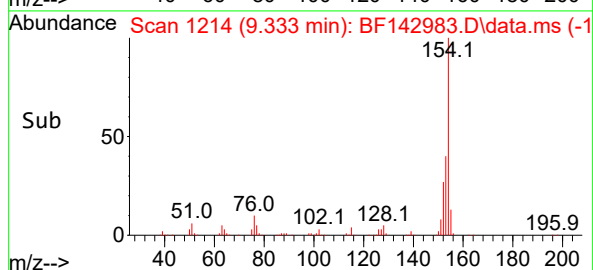
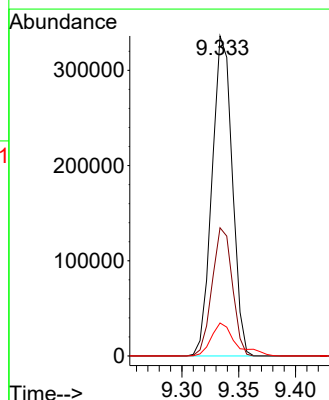
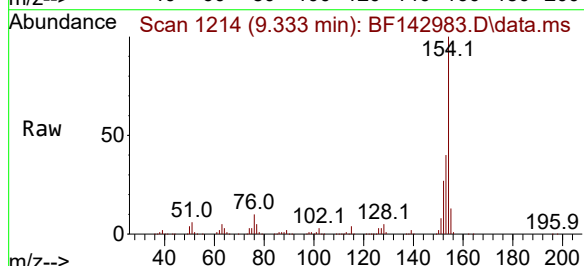
Tgt Ion:154 Resp: 417031

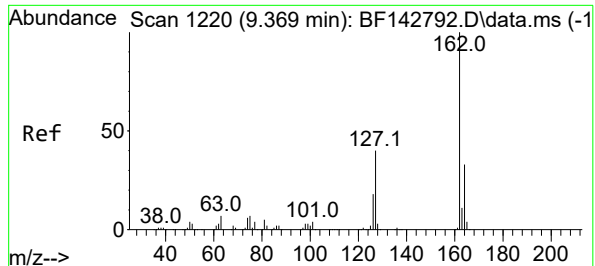
Ion Ratio Lower Upper

154 100

153 40.1 20.3 60.3

76 10.3 0.0 30.3





#47

2-Chloronaphthalene

Concen: 44.688 ng

RT: 9.363 min Scan# 1219

Delta R.T. -0.006 min

Lab File: BF142983.D

Acq: 02 Jul 2025 21:22

Instrument :

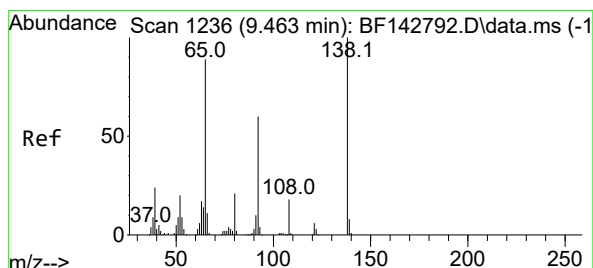
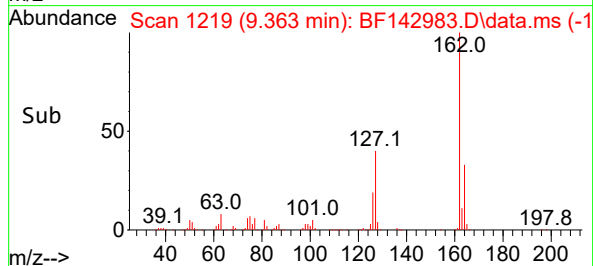
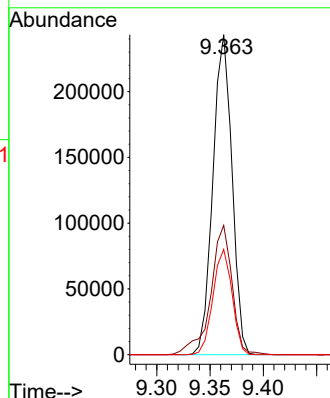
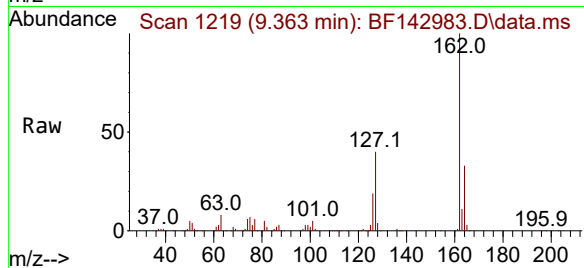
BNA_F

ClientSampleId :

SOIL-PILEMSD

Tgt Ion:162 Resp: 302285

Ion	Ratio	Lower	Upper
162	100		
127	40.4	32.2	48.2
164	32.9	26.1	39.1



#48

2-Nitroaniline

Concen: 46.270 ng

RT: 9.457 min Scan# 1235

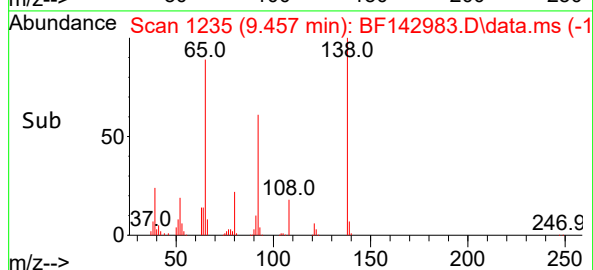
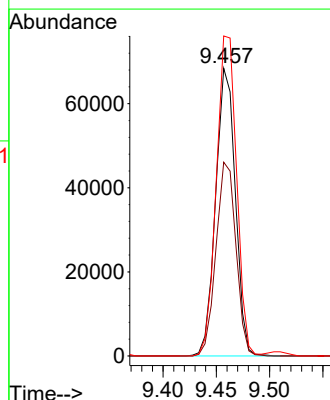
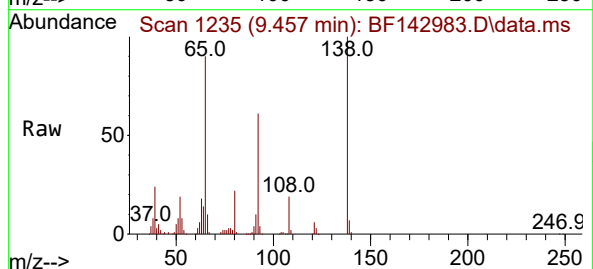
Delta R.T. -0.006 min

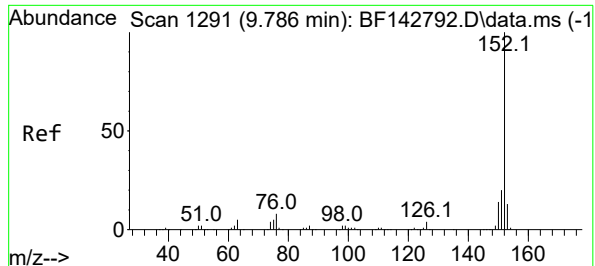
Lab File: BF142983.D

Acq: 02 Jul 2025 21:22

Tgt Ion: 65 Resp: 87747

Ion	Ratio	Lower	Upper
65	100		
92	67.4	53.8	80.6
138	111.2	89.6	134.4





#49

Acenaphthylene

Concen: 44.729 ng

RT: 9.780 min Scan# 11

Delta R.T. -0.006 min

Lab File: BF142983.D

Acq: 02 Jul 2025 21:22

Instrument :

BNA_F

ClientSampleId :

SOIL-PILEMSD

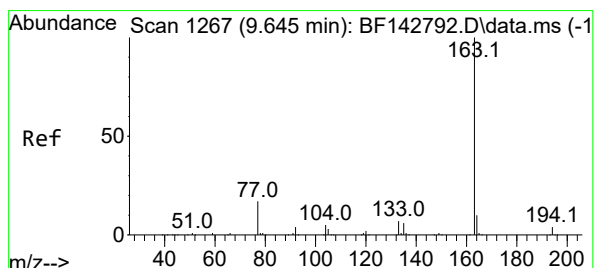
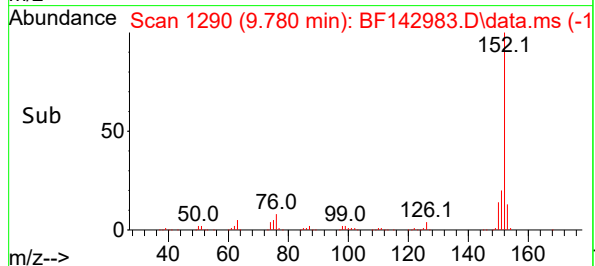
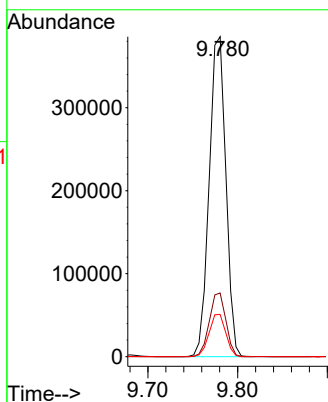
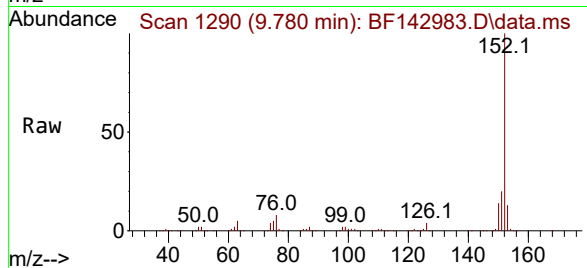
Tgt Ion:152 Resp: 498082

Ion Ratio Lower Upper

152 100

151 19.9 16.1 24.1

153 13.2 10.4 15.6



#50

Dimethylphthalate

Concen: 48.428 ng

RT: 9.633 min Scan# 1265

Delta R.T. -0.012 min

Lab File: BF142983.D

Acq: 02 Jul 2025 21:22

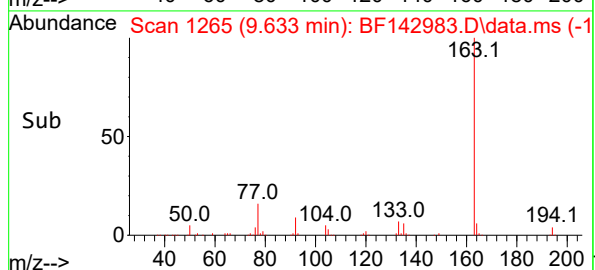
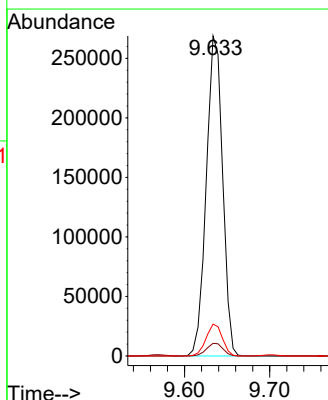
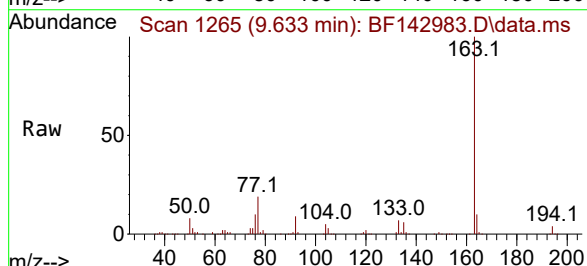
Tgt Ion:163 Resp: 357699

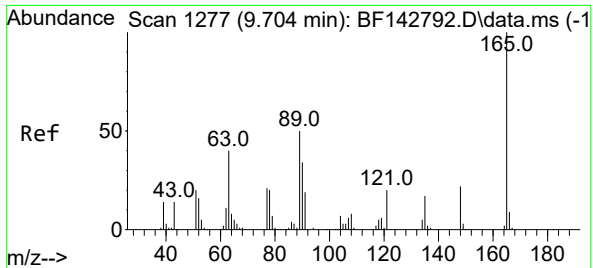
Ion Ratio Lower Upper

163 100

194 4.0 3.3 4.9

164 10.0 8.0 12.0

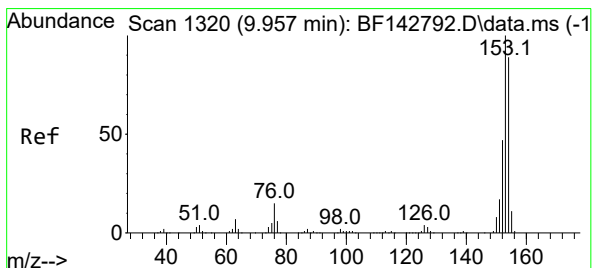
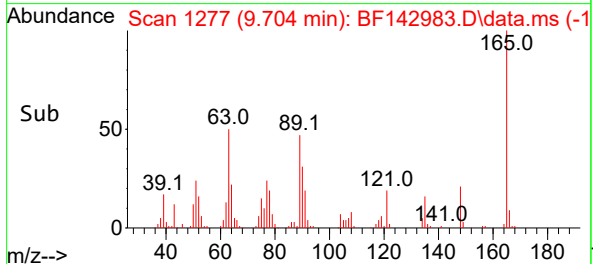
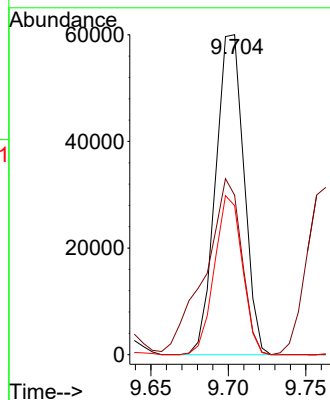
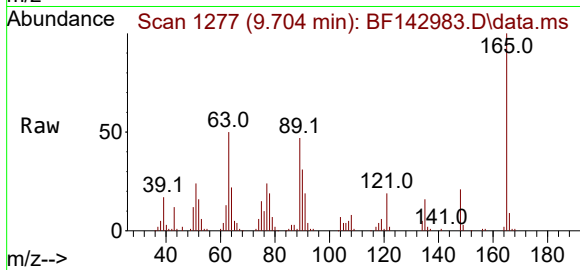




#51
2,6-Dinitrotoluene
Concen: 47.145 ng
RT: 9.704 min Scan# 1319
Delta R.T. 0.000 min
Lab File: BF142983.D
Acq: 02 Jul 2025 21:22

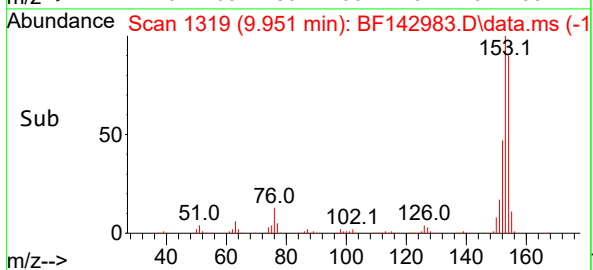
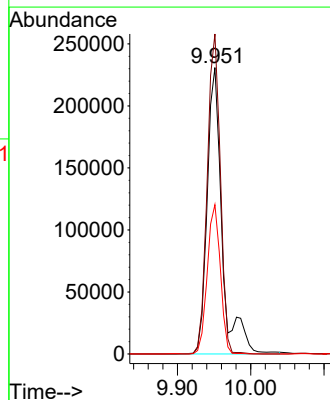
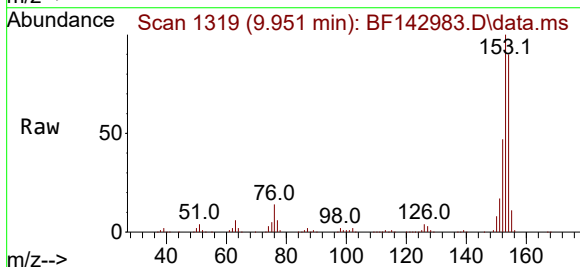
Instrument :
BNA_F
ClientSampleId :
SOIL-PILEMSD

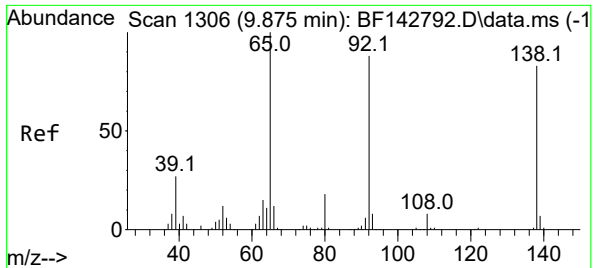
Tgt Ion:165 Resp: 76473
Ion Ratio Lower Upper
165 100
63 49.9 44.2 66.4
89 46.6 39.8 59.8



#52
Acenaphthene
Concen: 48.100 ng m
RT: 9.951 min Scan# 1319
Delta R.T. -0.006 min
Lab File: BF142983.D
Acq: 02 Jul 2025 21:22

Tgt Ion:154 Resp: 326791
Ion Ratio Lower Upper
154 100
153 111.7 90.0 135.0
152 52.1 41.9 62.9





#53

3-Nitroaniline

Concen: 28.623 ng

RT: 9.869 min Scan# 11

Delta R.T. -0.006 min

Lab File: BF142983.D

Acq: 02 Jul 2025 21:22

Instrument :

BNA_F

ClientSampleId :

SOIL-PILEMSD

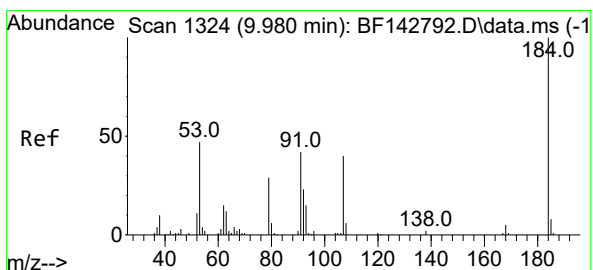
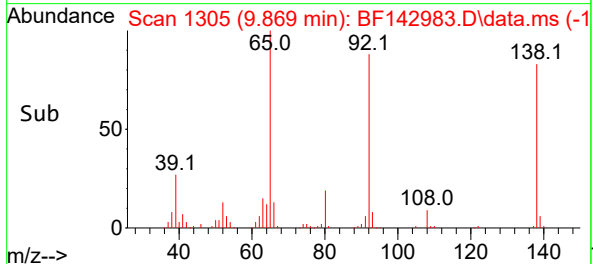
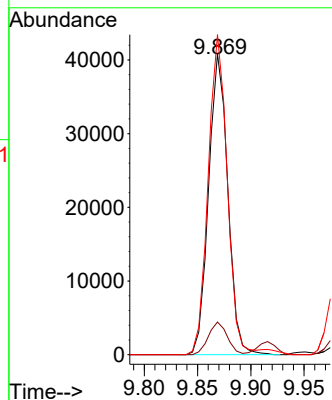
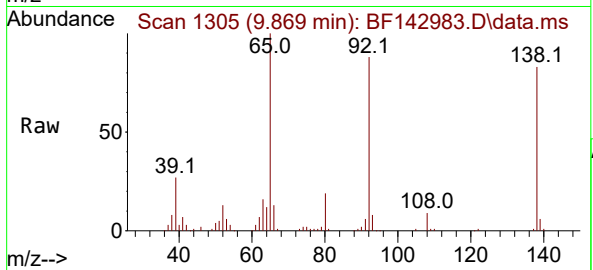
Tgt Ion:138 Resp: 51118

Ion Ratio Lower Upper

138 100

108 10.8 8.1 12.1

92 106.3 85.1 127.7



#54

2,4-Dinitrophenol

Concen: 85.190 ng

RT: 9.986 min Scan# 1325

Delta R.T. 0.006 min

Lab File: BF142983.D

Acq: 02 Jul 2025 21:22

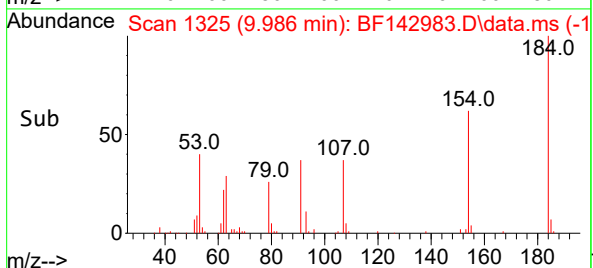
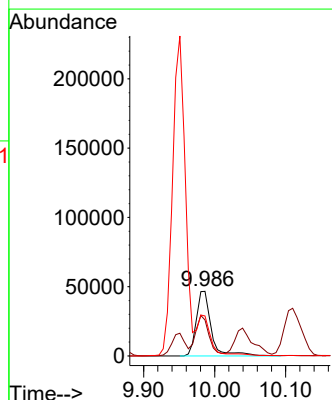
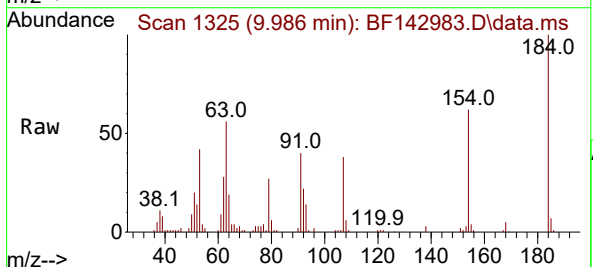
Tgt Ion:184 Resp: 69192

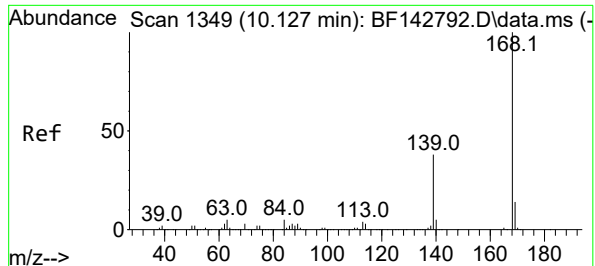
Ion Ratio Lower Upper

184 100

63 55.5 50.6 75.8

154 61.7 51.8 77.8





#55

Dibenzenofuran

Concen: 44.557 ng

RT: 10.122 min Scan# 11

Delta R.T. -0.006 min

Lab File: BF142983.D

Acq: 02 Jul 2025 21:22

Instrument :

BNA_F

ClientSampleId :

SOIL-PILEMSD

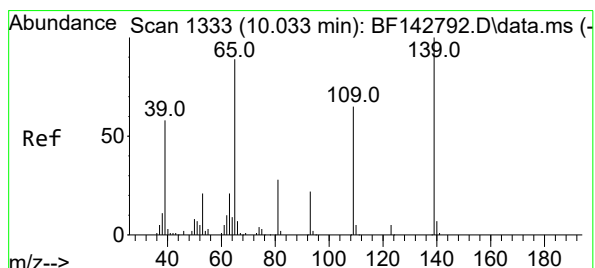
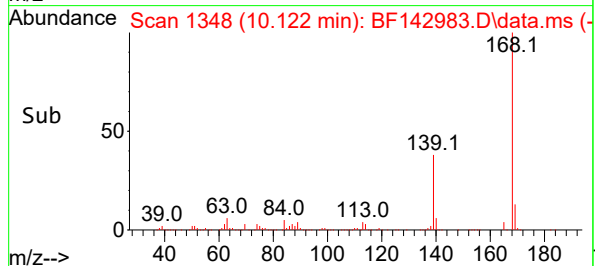
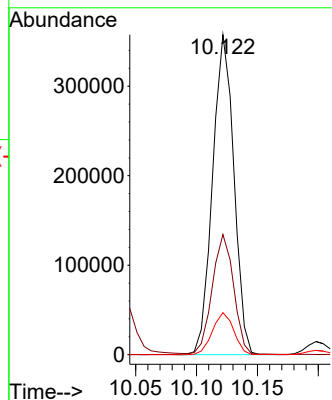
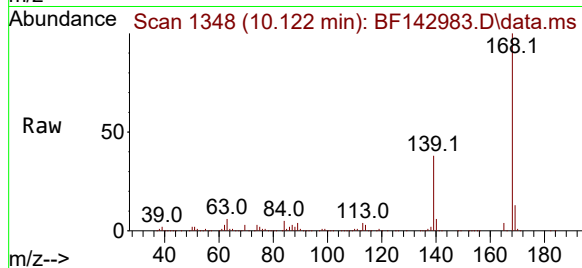
Tgt Ion:168 Resp: 434092

Ion Ratio Lower Upper

168 100

139 37.6 30.2 45.4

169 13.1 10.8 16.2



#56

4-Nitrophenol

Concen: 77.081 ng

RT: 10.039 min Scan# 1334

Delta R.T. 0.006 min

Lab File: BF142983.D

Acq: 02 Jul 2025 21:22

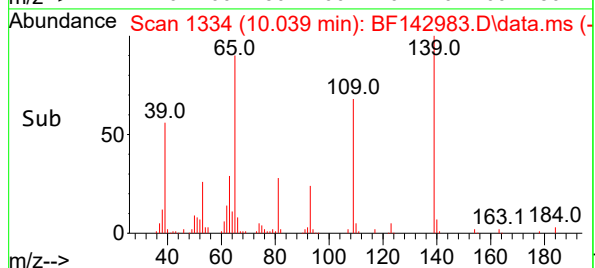
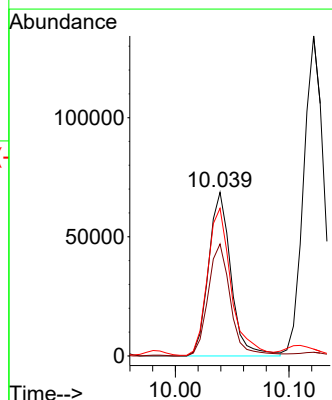
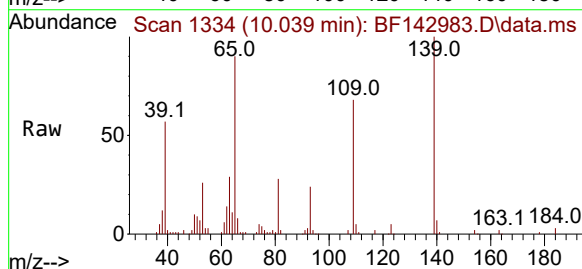
Tgt Ion:139 Resp: 94243

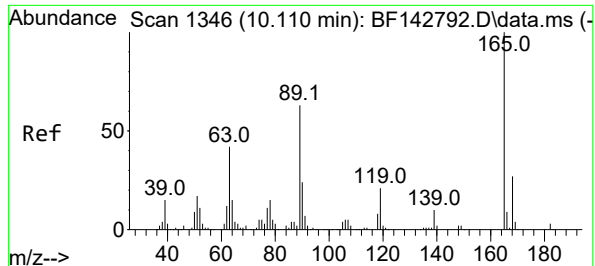
Ion Ratio Lower Upper

139 100

109 68.4 44.7 84.7

65 90.2 69.8 109.8

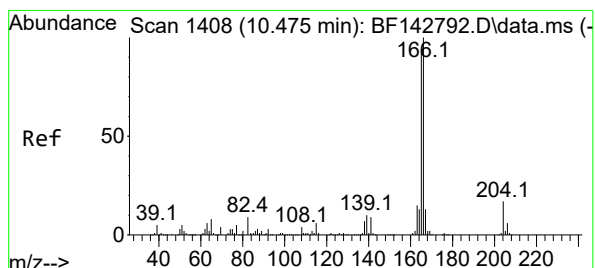
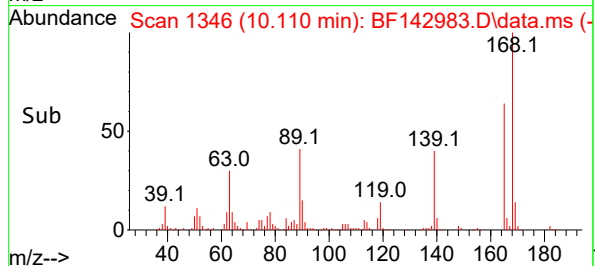
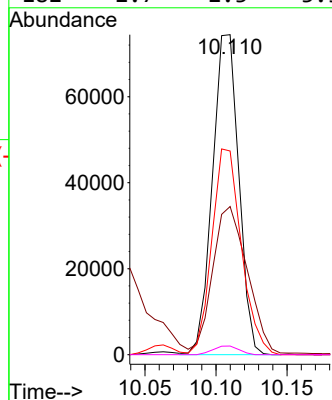
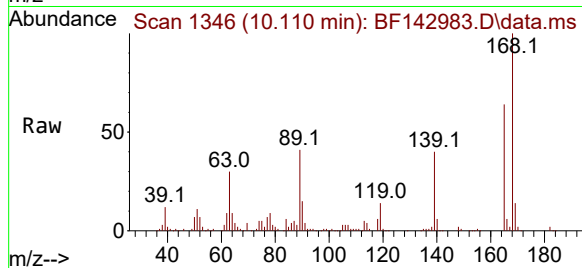




#57
2,4-Dinitrotoluene
Concen: 44.486 ng
RT: 10.110 min Scan# 11
Delta R.T. 0.000 min
Lab File: BF142983.D
Acq: 02 Jul 2025 21:22

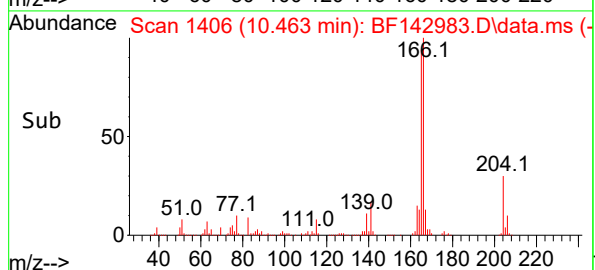
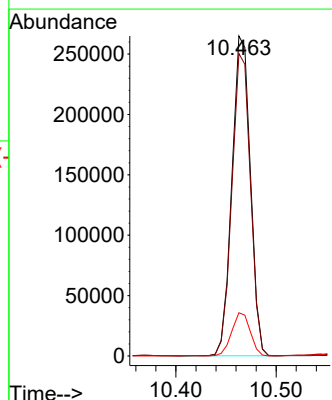
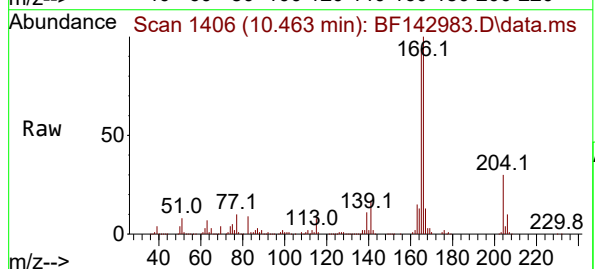
Instrument :
BNA_F
ClientSampleId :
SOIL-PILEMSD

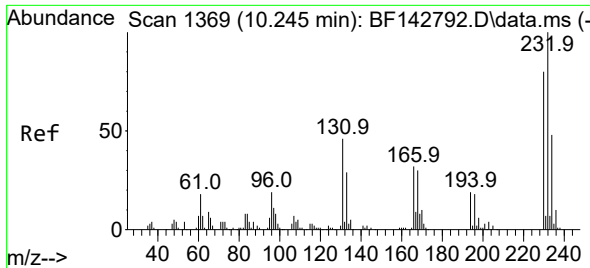
Tgt Ion:165 Resp: 95850
Ion Ratio Lower Upper
165 100
63 46.3 33.9 50.9
89 63.6 50.6 75.8
182 2.7 2.3 3.5



#58
Fluorene
Concen: 44.485 ng
RT: 10.463 min Scan# 1406
Delta R.T. -0.012 min
Lab File: BF142983.D
Acq: 02 Jul 2025 21:22

Tgt Ion:166 Resp: 338474
Ion Ratio Lower Upper
166 100
165 94.5 75.2 112.8
167 13.5 10.6 15.8

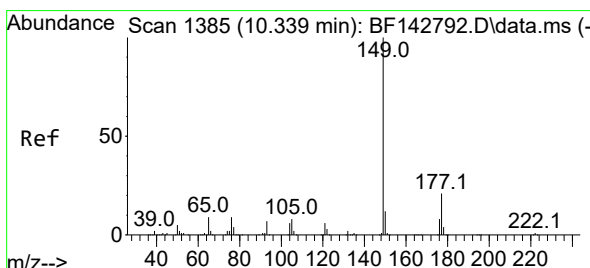
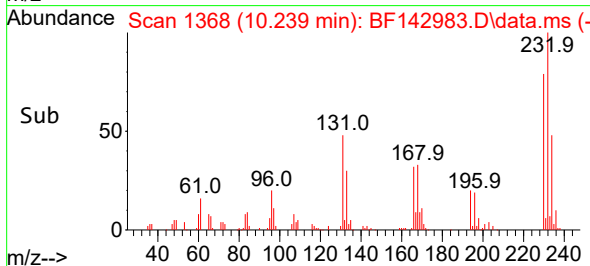
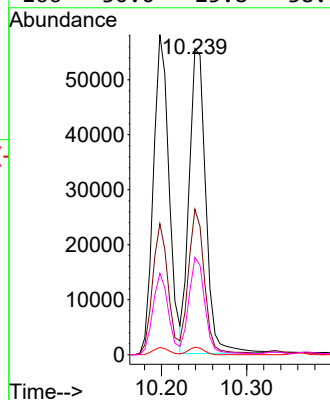
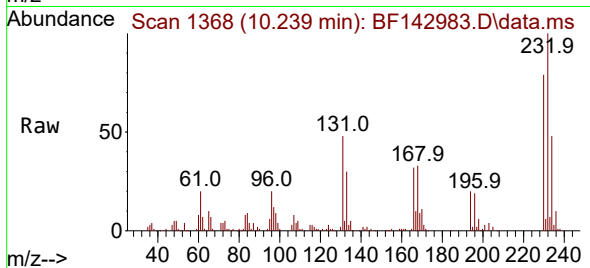




#59
2,3,4,6-Tetrachlorophenol
Concen: 40.193 ng
RT: 10.239 min Scan# 1368
Delta R.T. -0.006 min
Lab File: BF142983.D
Acq: 02 Jul 2025 21:22

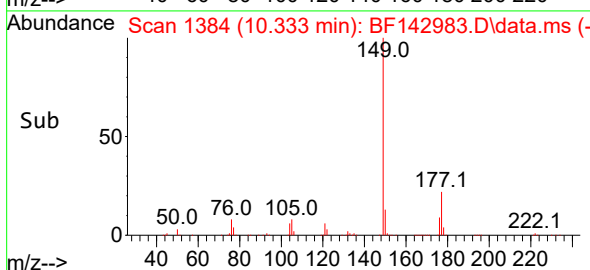
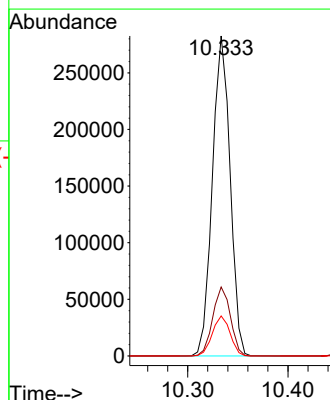
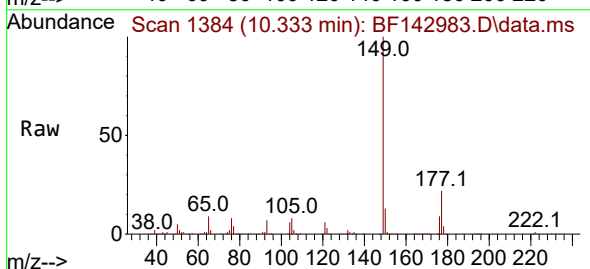
Instrument :
BNA_F
ClientSampleId :
SOIL-PILEMSD

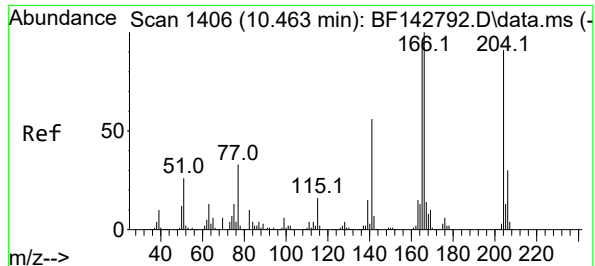
Tgt Ion:232 Resp: 74824
Ion Ratio Lower Upper
232 100
131 44.9 37.6 56.4
130 2.3 1.7 2.5
166 30.0 25.8 38.6



#60
Diethylphthalate
Concen: 47.933 ng
RT: 10.333 min Scan# 1384
Delta R.T. -0.006 min
Lab File: BF142983.D
Acq: 02 Jul 2025 21:22

Tgt Ion:149 Resp: 347136
Ion Ratio Lower Upper
149 100
177 21.5 17.0 25.6
150 12.5 9.8 14.6

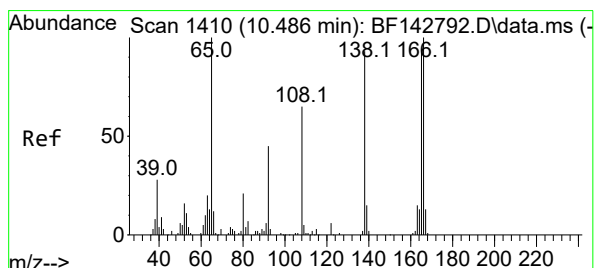
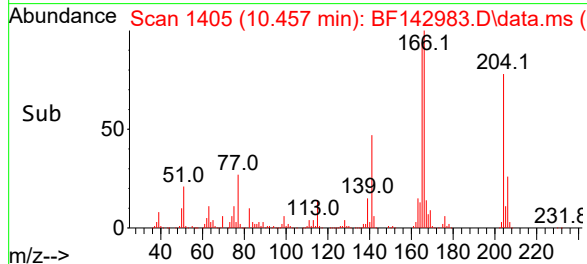
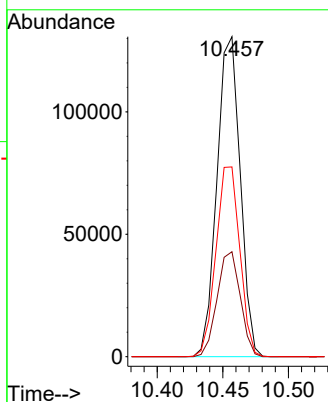
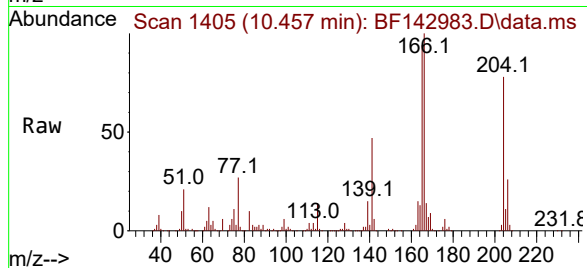




#61
4-Chlorophenyl-phenylether
Concen: 44.397 ng
RT: 10.457 min Scan# 1405
Delta R.T. -0.006 min
Lab File: BF142983.D
Acq: 02 Jul 2025 21:22

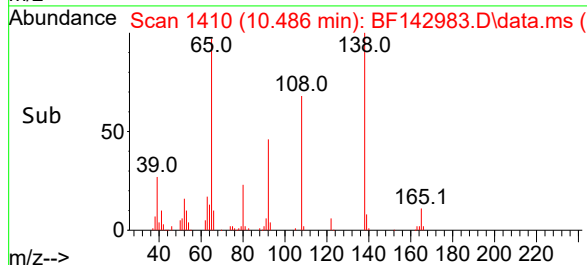
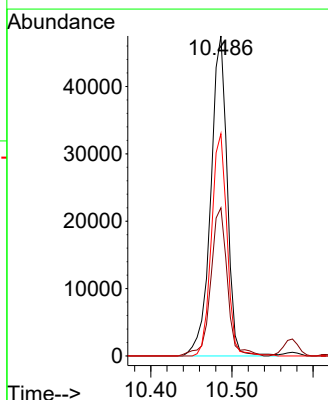
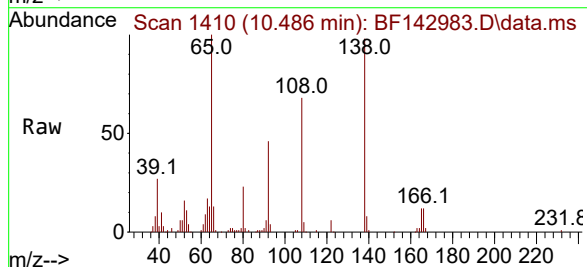
Instrument :
BNA_F
ClientSampleId :
SOIL-PILEMSD

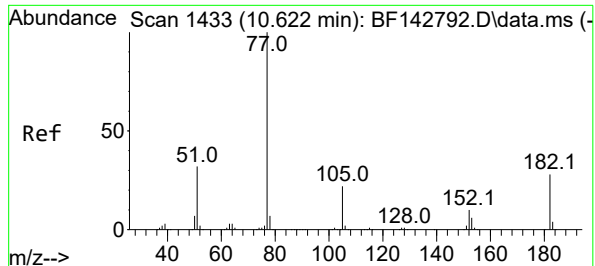
Tgt Ion:204 Resp: 161194
Ion Ratio Lower Upper
204 100
206 32.8 26.3 39.5
141 59.3 49.1 73.7



#62
4-Nitroaniline
Concen: 40.903 ng
RT: 10.486 min Scan# 1410
Delta R.T. 0.000 min
Lab File: BF142983.D
Acq: 02 Jul 2025 21:22

Tgt Ion:138 Resp: 66810
Ion Ratio Lower Upper
138 100
92 46.3 28.4 68.4
108 69.5 50.2 90.2





#63

Azobenzene

Concen: 45.815 ng

RT: 10.616 min Scan# 1432

Delta R.T. -0.006 min

Lab File: BF142983.D

Acq: 02 Jul 2025 21:22

Instrument :

BNA_F

ClientSampleId :

SOIL-PILEMSD

Tgt Ion: 77 Resp: 296548

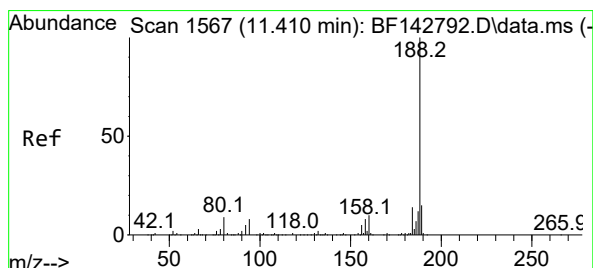
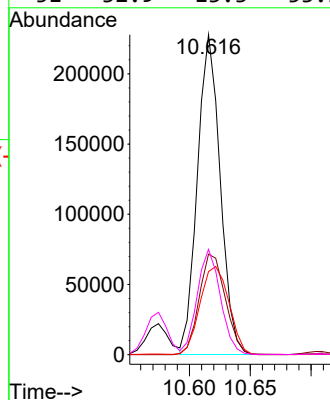
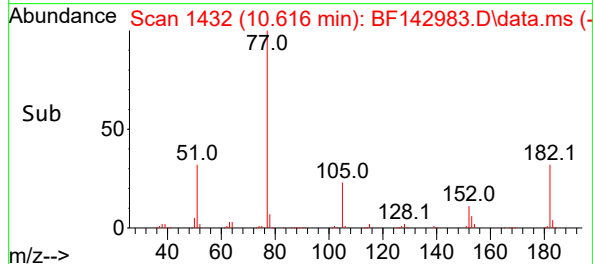
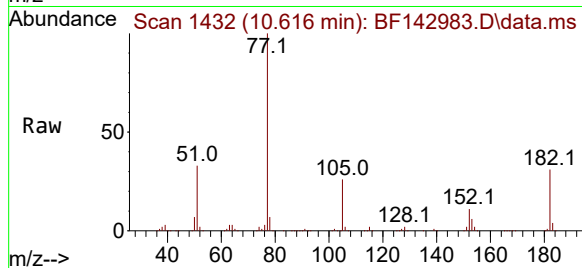
Ion Ratio Lower Upper

77 100

182 31.4 7.7 47.7

105 26.0 1.9 41.9

51 32.9 13.3 53.3



#64

Phenanthrene-d10

Concen: 20.000 ng

RT: 11.404 min Scan# 1566

Delta R.T. -0.006 min

Lab File: BF142983.D

Acq: 02 Jul 2025 21:22

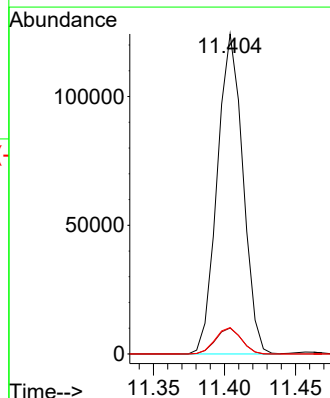
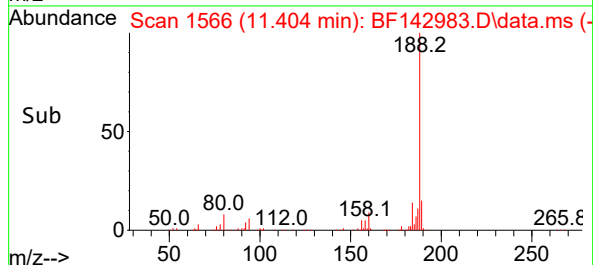
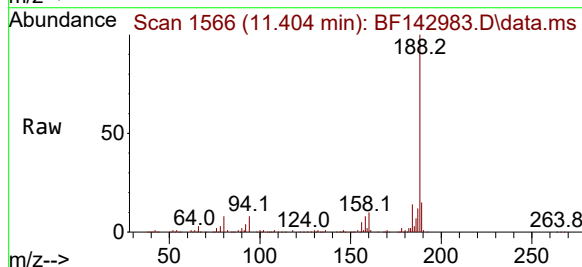
Tgt Ion: 188 Resp: 156089

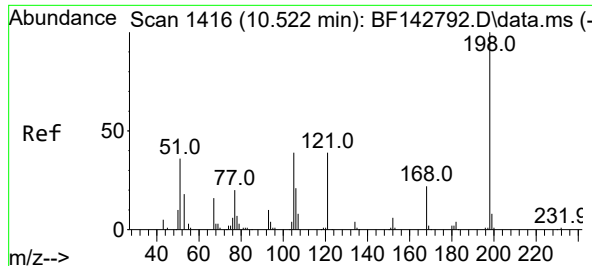
Ion Ratio Lower Upper

188 100

94 8.1 6.7 10.1

80 8.2 6.9 10.3

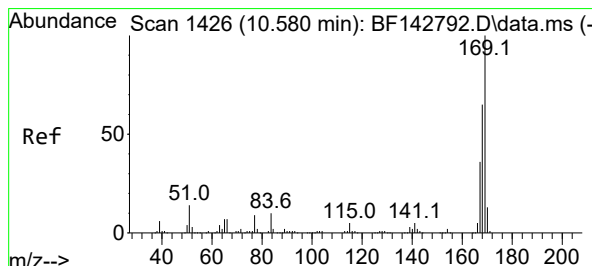
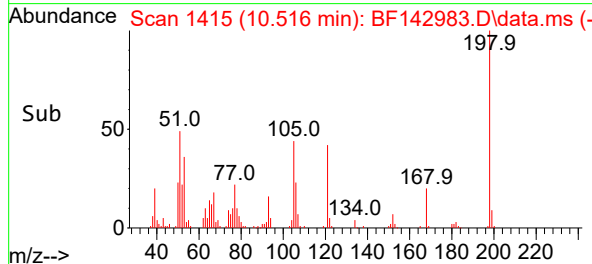
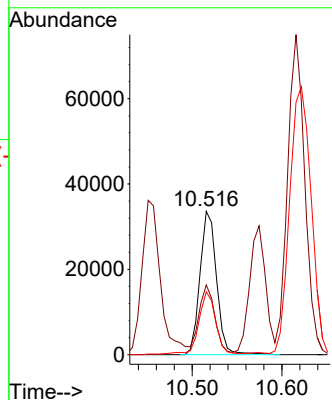
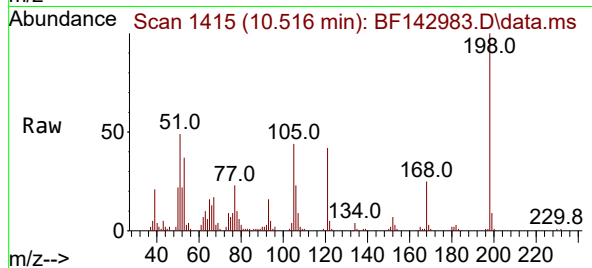




#65
4,6-Dinitro-2-methylphenol
Concen: 45.788 ng
RT: 10.516 min Scan# 1416
Delta R.T. -0.006 min
Lab File: BF142983.D
Acq: 02 Jul 2025 21:22

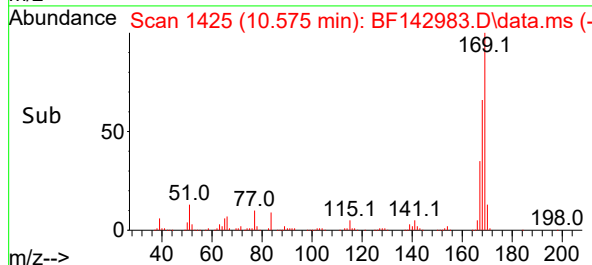
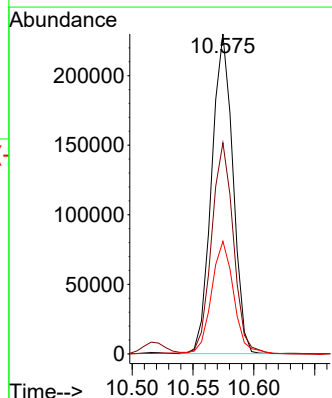
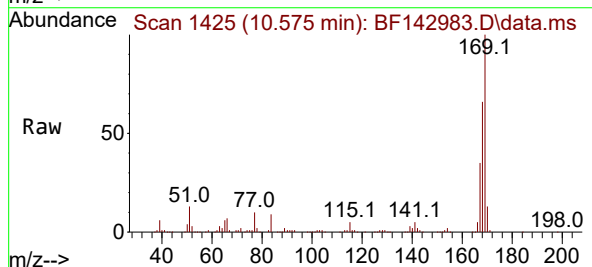
Instrument :
BNA_F
ClientSampleId :
SOIL-PILEMSD

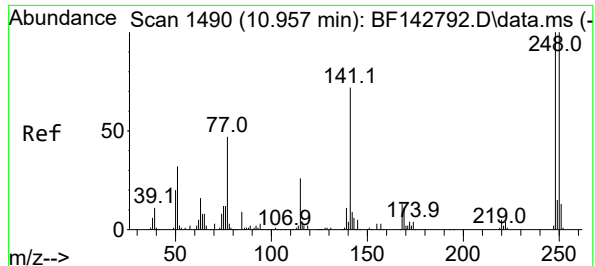
Tgt Ion	Ratio	Lower	Upper
198	100		
51	48.7	25.4	65.4
105	43.8	20.4	60.4



#66
n-Nitrosodiphenylamine
Concen: 51.614 ng
RT: 10.575 min Scan# 1425
Delta R.T. -0.006 min
Lab File: BF142983.D
Acq: 02 Jul 2025 21:22

Tgt Ion	Ratio	Lower	Upper
169	100		
168	66.0	51.9	77.9
167	35.2	28.5	42.7

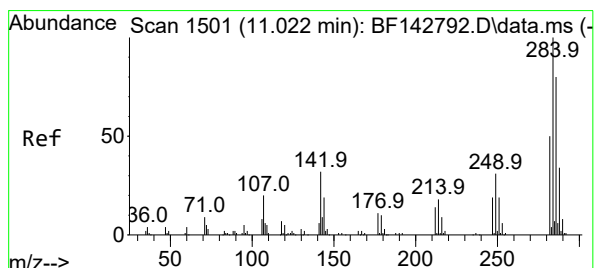
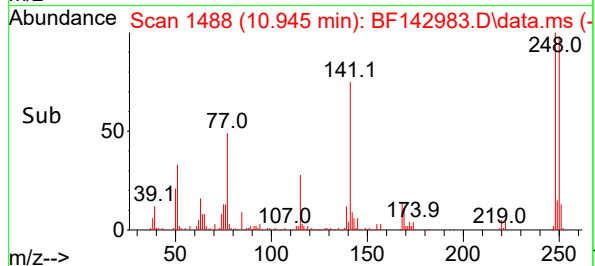
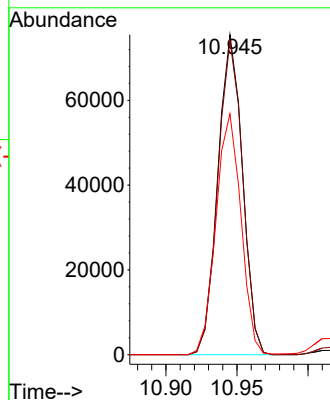
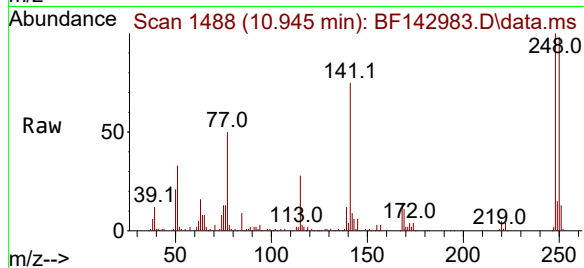




#67
4-Bromophenyl-phenylether
Concen: 51.341 ng
RT: 10.945 min Scan# 1490
Delta R.T. -0.012 min
Lab File: BF142983.D
Acq: 02 Jul 2025 21:22

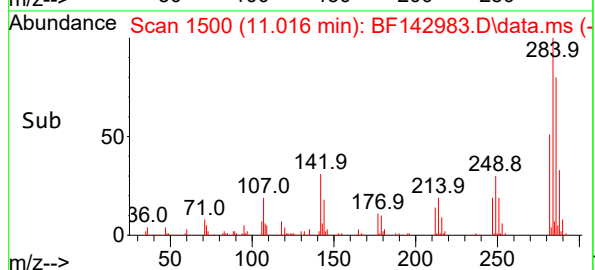
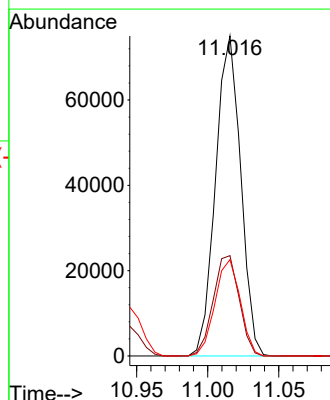
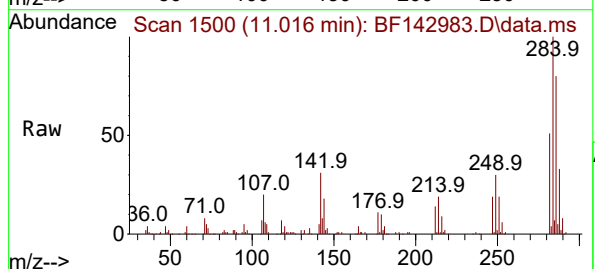
Instrument :
BNA_F
ClientSampleId :
SOIL-PILEMSD

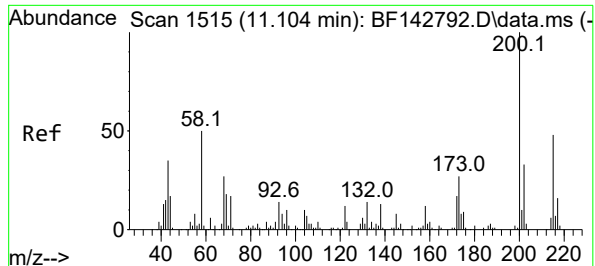
Tgt Ion:248 Resp: 91204
Ion Ratio Lower Upper
248 100
250 98.2 79.8 119.8
141 75.3 57.8 86.6



#68
Hexachlorobenzene
Concen: 46.701 ng
RT: 11.016 min Scan# 1500
Delta R.T. -0.006 min
Lab File: BF142983.D
Acq: 02 Jul 2025 21:22

Tgt Ion:284 Resp: 92184
Ion Ratio Lower Upper
284 100
142 31.4 25.5 38.3
249 30.1 24.9 37.3





#69

Atrazine

Concen: 59.345 ng

RT: 11.098 min Scan# 1514

Delta R.T. -0.006 min

Lab File: BF142983.D

Acq: 02 Jul 2025 21:22

Instrument :

BNA_F

ClientSampleId :

SOIL-PILEMSD

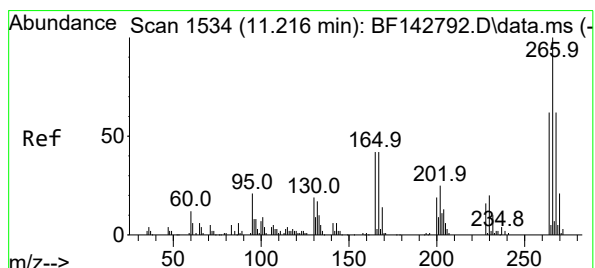
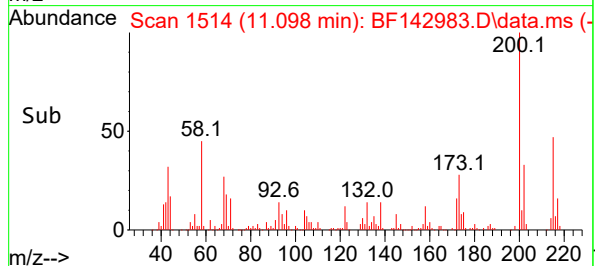
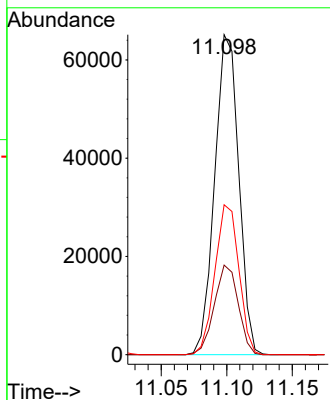
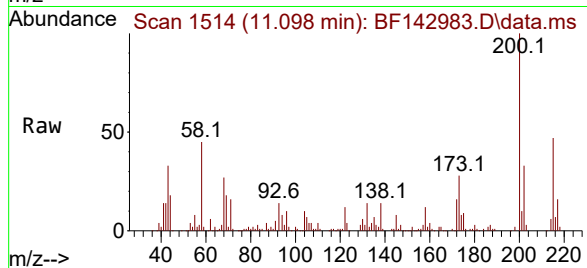
Tgt Ion:200 Resp: 82902

Ion Ratio Lower Upper

200 100

173 28.0 7.4 47.4

215 46.9 28.4 68.4



#70

Pentachlorophenol

Concen: 89.996 ng

RT: 11.210 min Scan# 1533

Delta R.T. -0.006 min

Lab File: BF142983.D

Acq: 02 Jul 2025 21:22

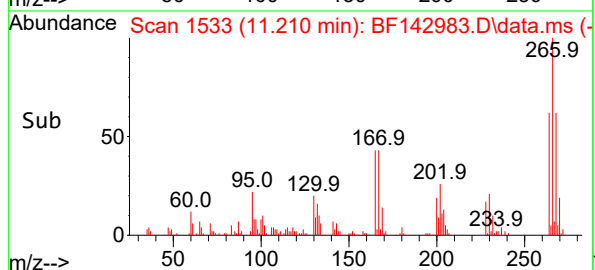
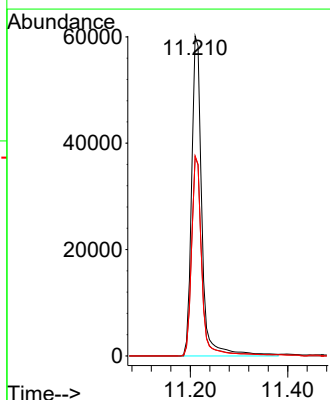
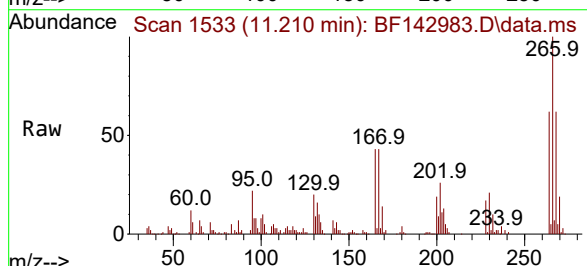
Tgt Ion:266 Resp: 88521

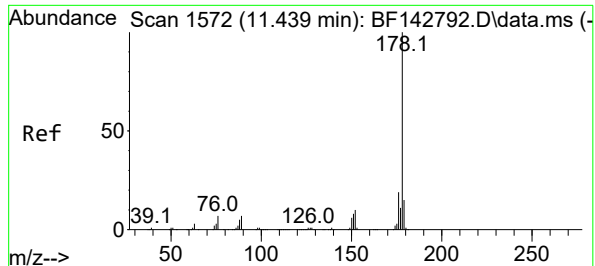
Ion Ratio Lower Upper

266 100

268 62.3 49.8 74.8

264 62.5 49.9 74.9





#71

Phenanthrene

Concen: 57.667 ng

RT: 11.427 min Scan# 1570

Delta R.T. -0.012 min

Lab File: BF142983.D

Acq: 02 Jul 2025 21:22

Instrument :

BNA_F

ClientSampleId :

SOIL-PILEMSD

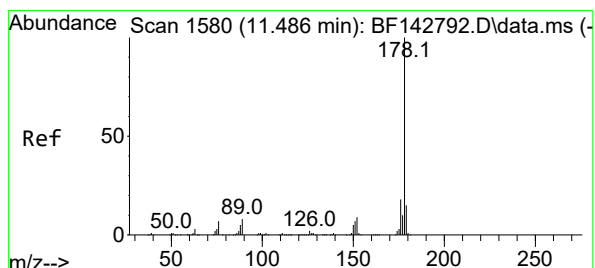
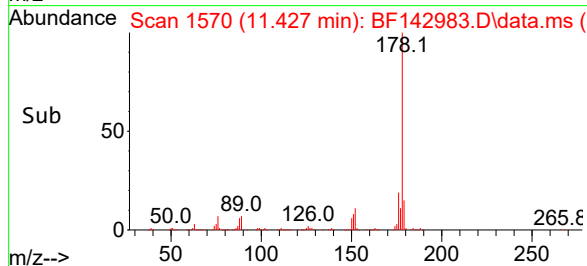
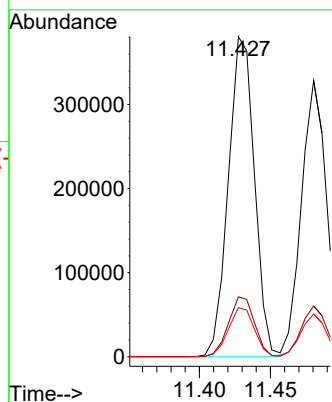
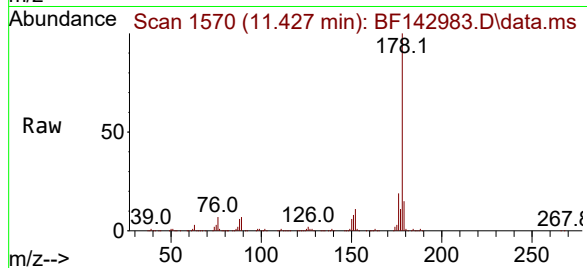
Tgt Ion:178 Resp: 487597

Ion Ratio Lower Upper

178 100

176 18.7 15.1 22.7

179 15.4 12.0 18.0



#72

Anthracene

Concen: 46.662 ng

RT: 11.480 min Scan# 1579

Delta R.T. -0.006 min

Lab File: BF142983.D

Acq: 02 Jul 2025 21:22

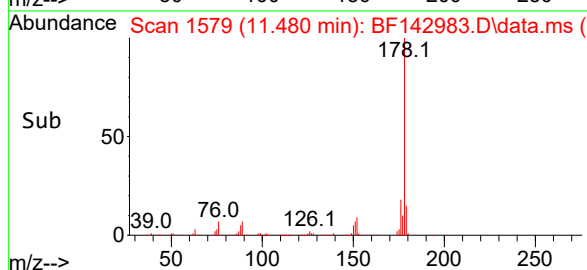
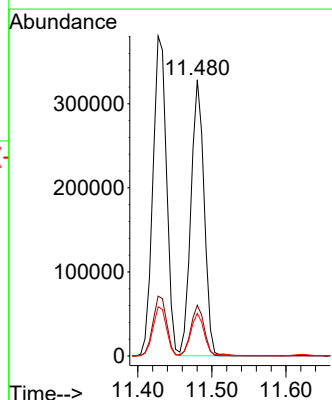
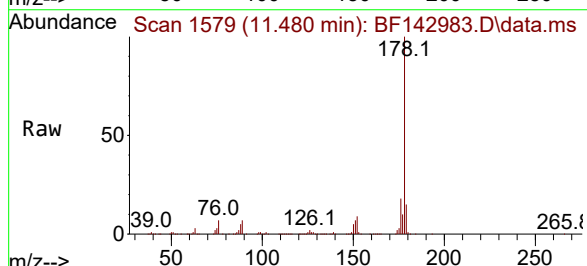
Tgt Ion:178 Resp: 404639

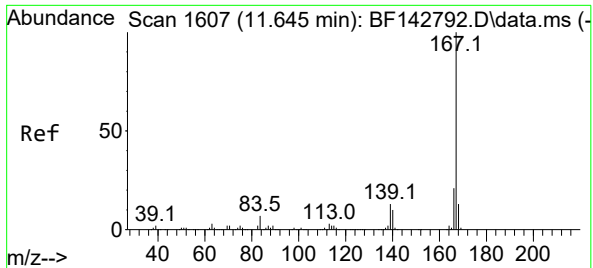
Ion Ratio Lower Upper

178 100

176 18.4 14.6 21.8

179 15.4 12.4 18.6





#73

Carbazole

Concen: 47.424 ng

RT: 11.633 min Scan# 1605

Delta R.T. -0.012 min

Lab File: BF142983.D

Acq: 02 Jul 2025 21:22

Instrument :

BNA_F

ClientSampleId :

SOIL-PILEMSD

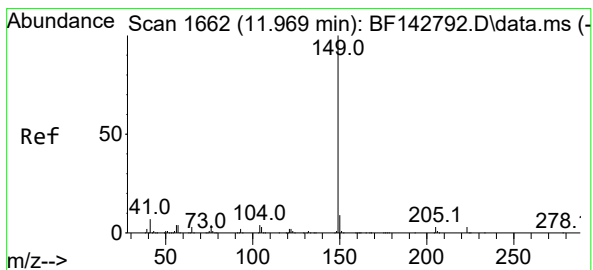
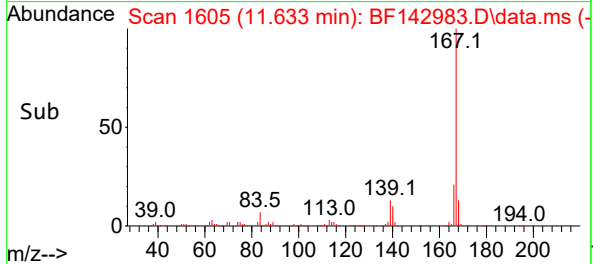
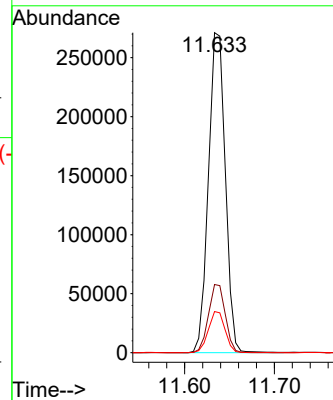
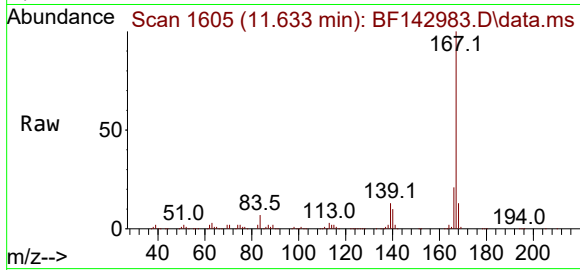
Tgt Ion:167 Resp: 354891

Ion Ratio Lower Upper

167 100

166 21.3 17.0 25.4

139 12.9 10.2 15.2



#74

Di-n-butylphthalate

Concen: 57.268 ng

RT: 11.963 min Scan# 1661

Delta R.T. -0.006 min

Lab File: BF142983.D

Acq: 02 Jul 2025 21:22

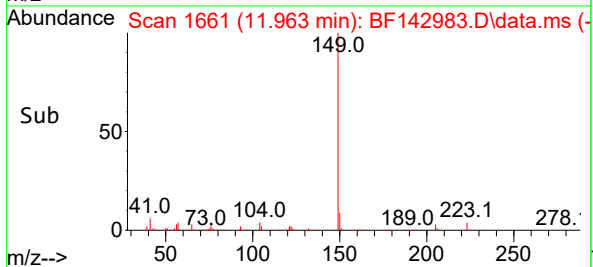
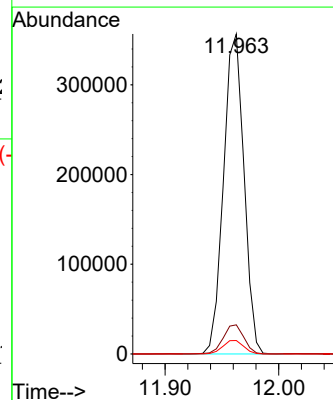
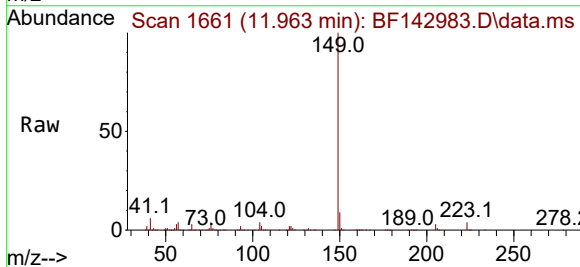
Tgt Ion:149 Resp: 446448

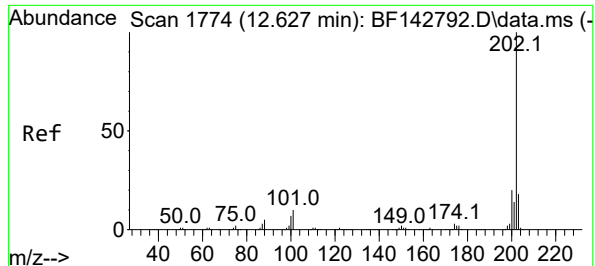
Ion Ratio Lower Upper

149 100

150 9.1 7.4 11.0

104 4.2 3.5 5.3





#75

Fluoranthene

Concen: 80.511 ng

RT: 12.621 min Scan# 1

Delta R.T. -0.006 min

Lab File: BF142983.D

Acq: 02 Jul 2025 21:22

Instrument :

BNA_F

ClientSampleId :

SOIL-PILEMSD

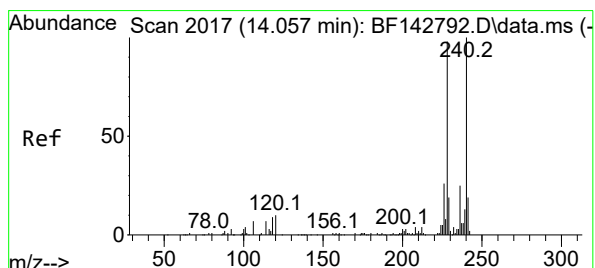
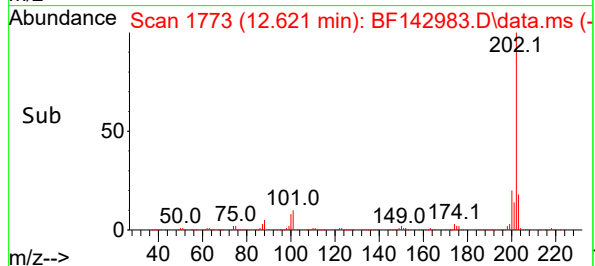
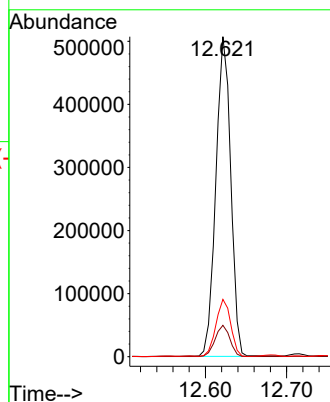
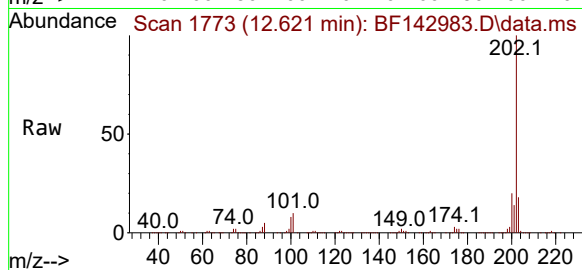
Tgt Ion:202 Resp: 646065

Ion Ratio Lower Upper

202 100

101 9.8 0.0 29.7

203 17.9 0.0 37.5



#76

Chrysene-d12

Concen: 20.000 ng

RT: 14.051 min Scan# 2016

Delta R.T. -0.006 min

Lab File: BF142983.D

Acq: 02 Jul 2025 21:22

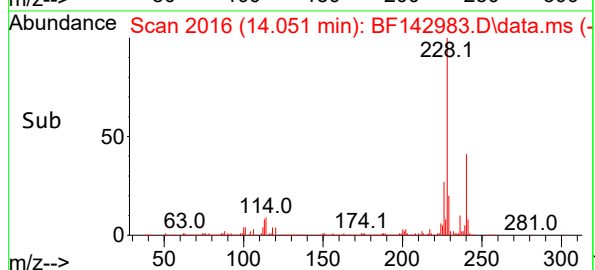
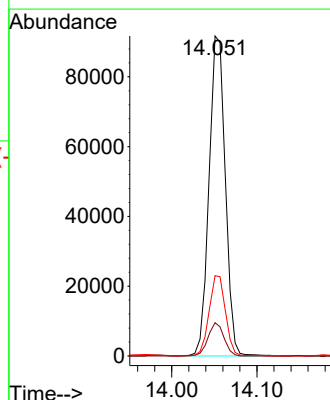
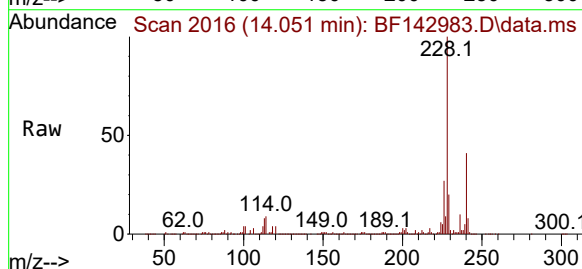
Tgt Ion:240 Resp: 121729

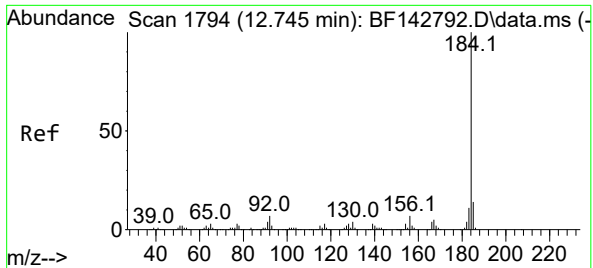
Ion Ratio Lower Upper

240 100

120 10.4 8.2 12.2

236 25.1 19.8 29.8

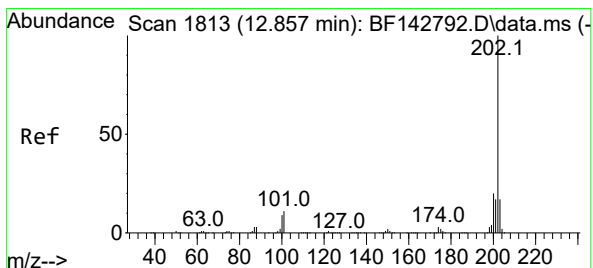
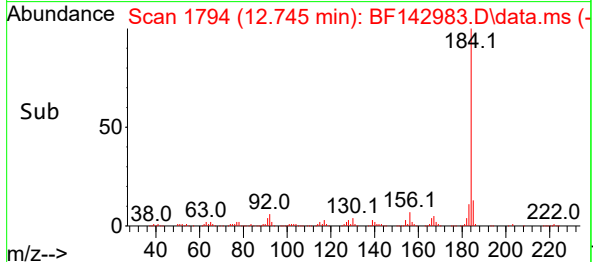
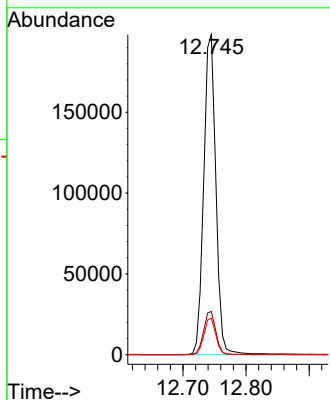
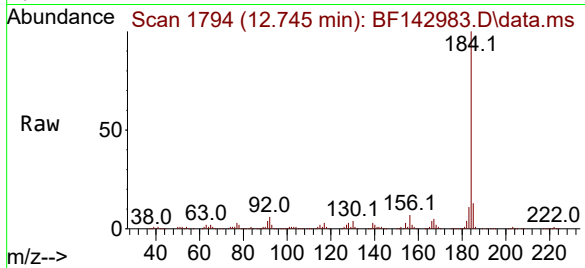




#77
Benzidine
Concen: 57.937 ng
RT: 12.745 min Scan# 1794
Delta R.T. 0.000 min
Lab File: BF142983.D
Acq: 02 Jul 2025 21:22

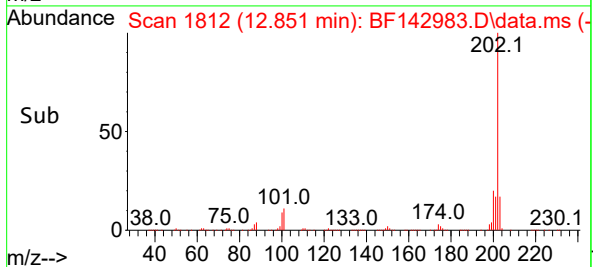
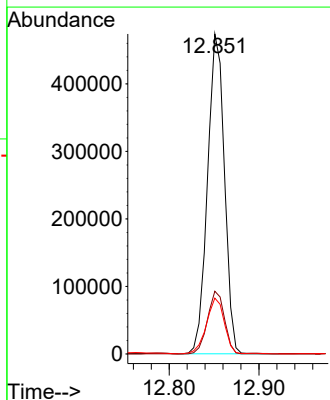
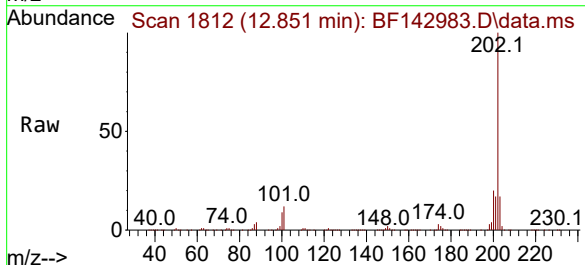
Instrument :
BNA_F
ClientSampleId :
SOIL-PILEMSD

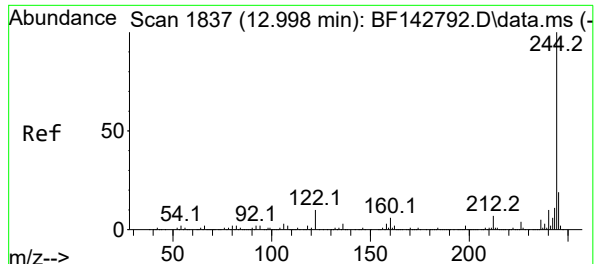
Tgt Ion:184 Resp: 264973
Ion Ratio Lower Upper
184 100
185 13.5 11.5 17.3
183 11.4 9.0 13.4



#78
Pyrene
Concen: 54.312 ng
RT: 12.851 min Scan# 1812
Delta R.T. -0.006 min
Lab File: BF142983.D
Acq: 02 Jul 2025 21:22

Tgt Ion:202 Resp: 619710
Ion Ratio Lower Upper
202 100
200 19.6 15.7 23.5
203 17.4 13.8 20.6





#79

Terphenyl-d14

Concen: 31.383 ng

RT: 12.986 min Scan# 1835

Delta R.T. -0.012 min

Lab File: BF142983.D

Acq: 02 Jul 2025 21:22

Instrument :

BNA_F

ClientSampleId :

SOIL-PILEMSD

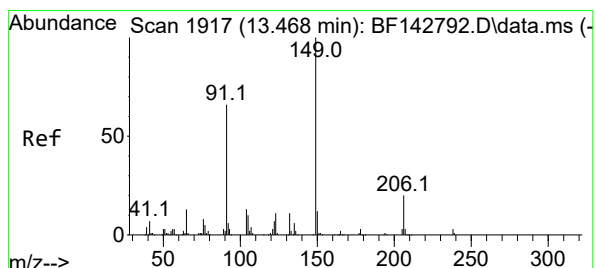
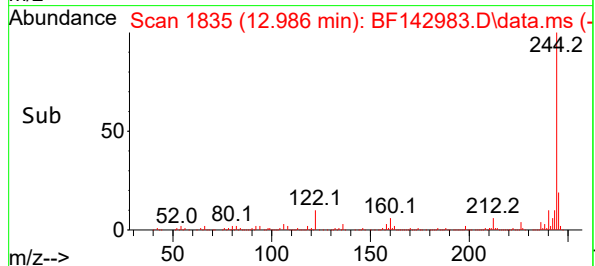
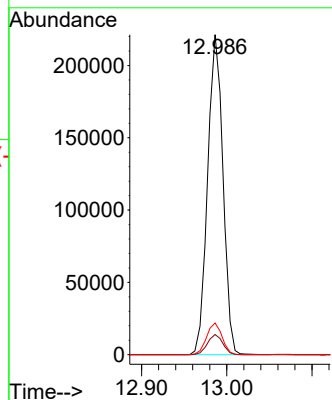
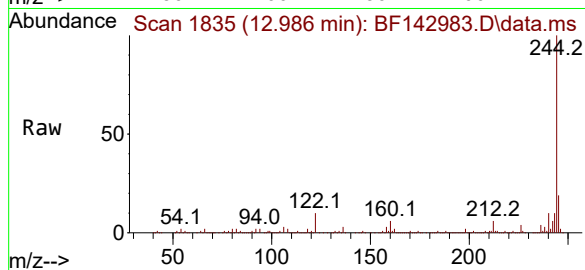
Tgt Ion:244 Resp: 276488

Ion Ratio Lower Upper

244 100

212 6.3 5.4 8.0

122 9.9 8.2 12.2



#80

Butylbenzylphthalate

Concen: 49.058 ng

RT: 13.463 min Scan# 1916

Delta R.T. -0.006 min

Lab File: BF142983.D

Acq: 02 Jul 2025 21:22

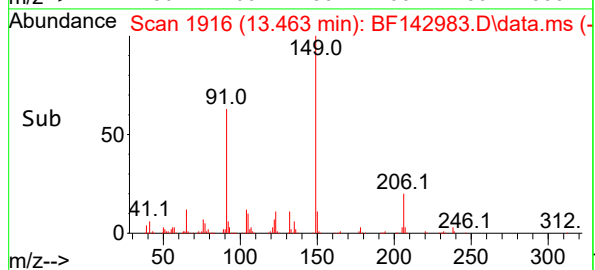
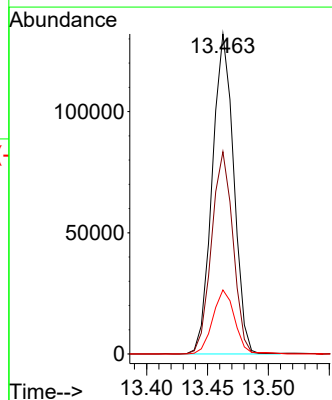
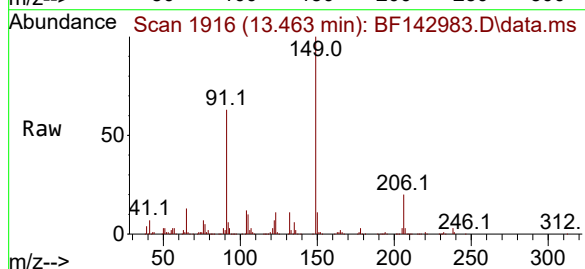
Tgt Ion:149 Resp: 162371

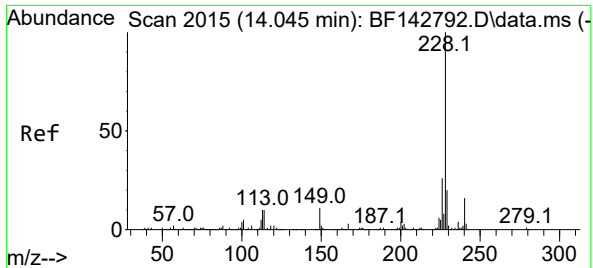
Ion Ratio Lower Upper

149 100

91 63.2 52.9 79.3

206 20.0 16.3 24.5

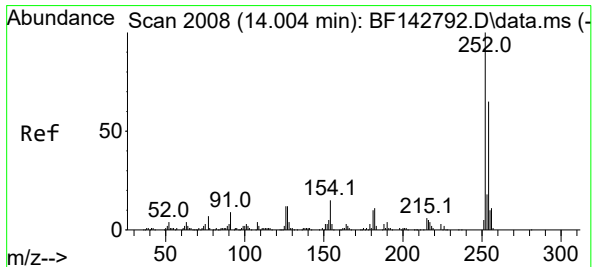
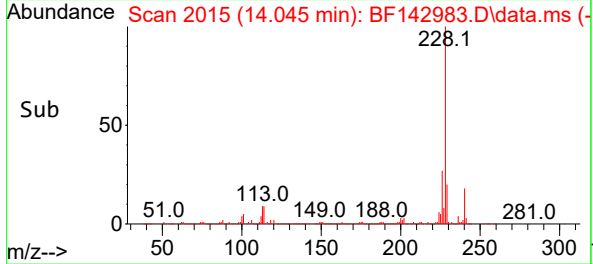
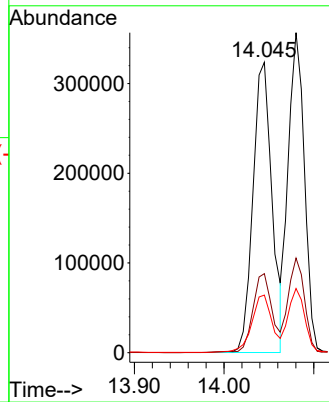
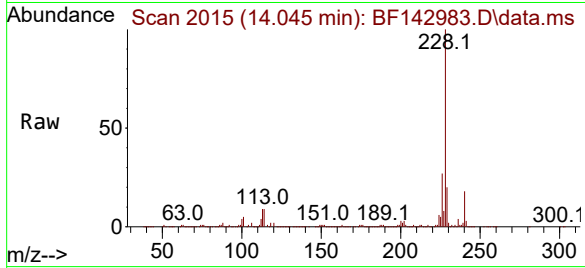




#81
Benzo(a)anthracene
Concen: 58.258 ng
RT: 14.045 min Scan# 2015
Delta R.T. 0.000 min
Lab File: BF142983.D
Acq: 02 Jul 2025 21:22

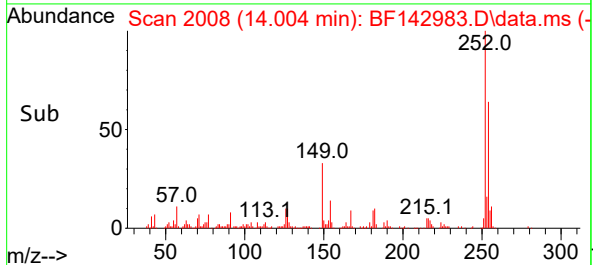
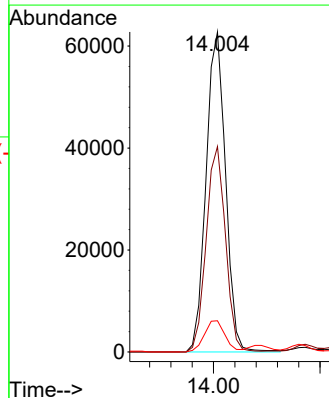
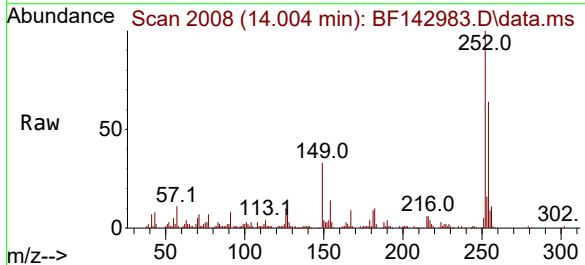
Instrument :
BNA_F
ClientSampleId :
SOIL-PILEMSD

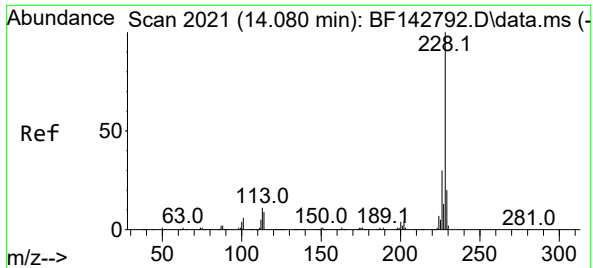
Tgt Ion:228 Resp: 478410
Ion Ratio Lower Upper
228 100
226 27.2 21.2 31.8
229 19.8 15.6 23.4



#82
3,3'-Dichlorobenzidine
Concen: 29.942 ng
RT: 14.004 min Scan# 2008
Delta R.T. 0.000 min
Lab File: BF142983.D
Acq: 02 Jul 2025 21:22

Tgt Ion:252 Resp: 79753
Ion Ratio Lower Upper
252 100
254 64.2 51.7 77.5
126 9.7 9.4 14.2





#83

Chrysene

Concen: 60.633 ng

RT: 14.080 min Scan# 20

Delta R.T. 0.000 min

Lab File: BF142983.D

Acq: 02 Jul 2025 21:22

Instrument :

BNA_F

ClientSampleId :

SOIL-PILEMSD

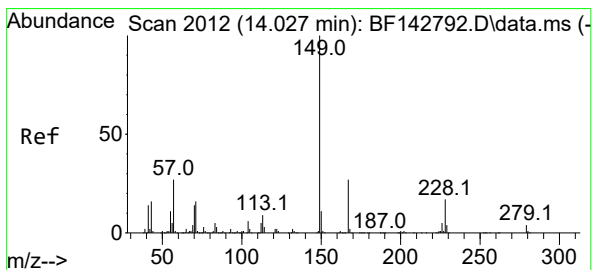
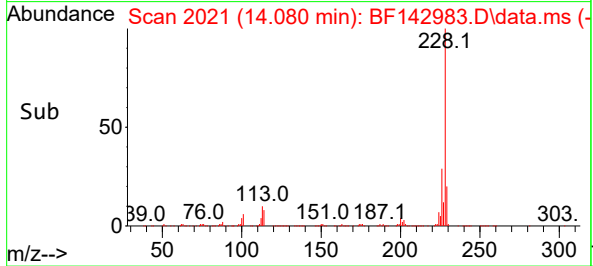
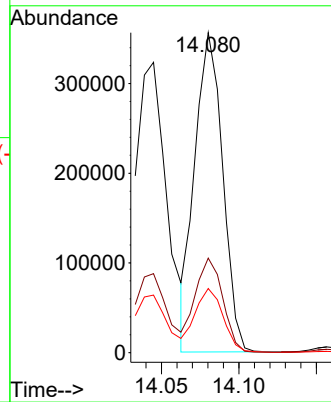
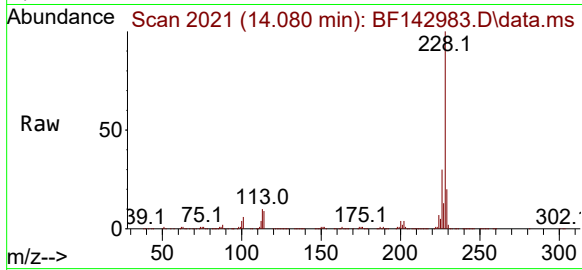
Tgt Ion:228 Resp: 444298

Ion Ratio Lower Upper

228 100

226 29.5 23.7 35.5

229 20.1 15.7 23.5



#84

Bis(2-ethylhexyl)phthalate

Concen: 47.746 ng

RT: 14.021 min Scan# 2011

Delta R.T. -0.006 min

Lab File: BF142983.D

Acq: 02 Jul 2025 21:22

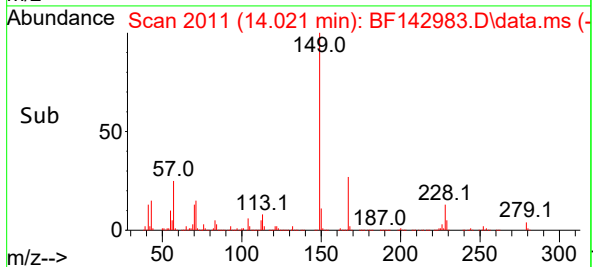
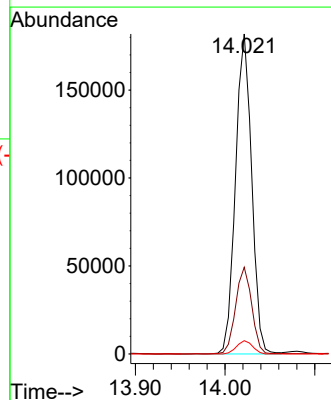
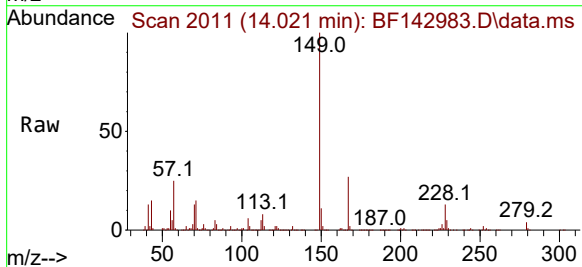
Tgt Ion:149 Resp: 227369

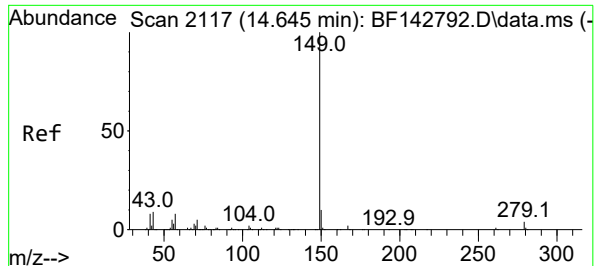
Ion Ratio Lower Upper

149 100

167 27.1 21.4 32.0

279 4.2 3.0 4.6





#85

Di-n-octyl phthalate

Concen: 43.308 ng

RT: 14.633 min Scan# 2115

Delta R.T. -0.012 min

Lab File: BF142983.D

Acq: 02 Jul 2025 21:22

Instrument :

BNA_F

ClientSampleId :

SOIL-PILEMSD

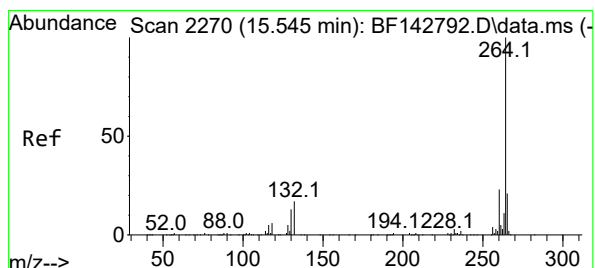
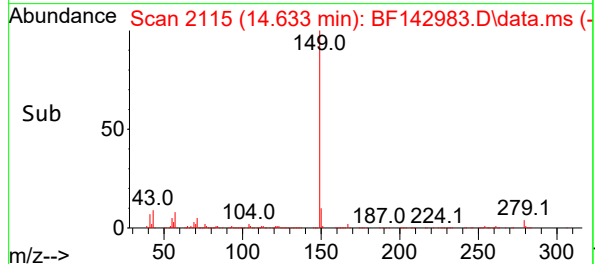
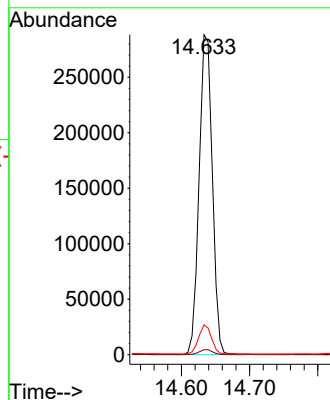
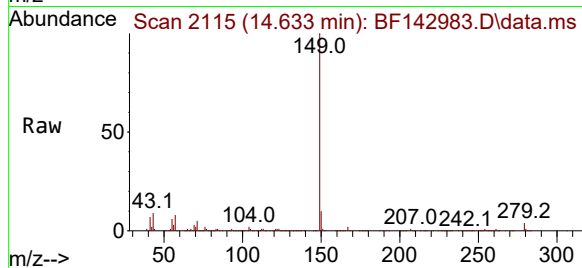
Tgt Ion:149 Resp: 388886

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: BF142983.D

Acq: 02 Jul 2025 21:22

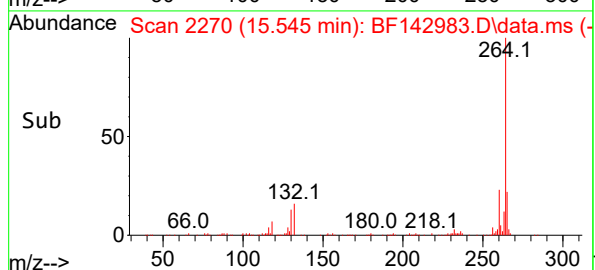
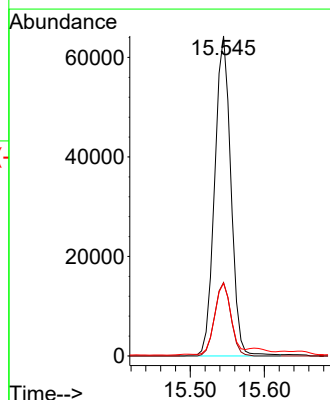
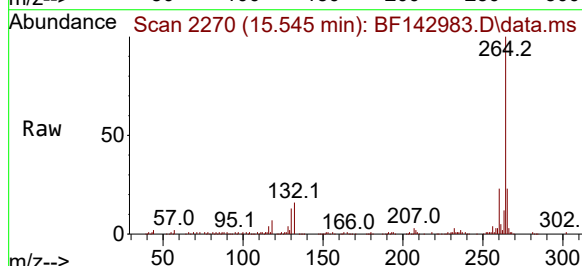
Tgt Ion:264 Resp: 97715

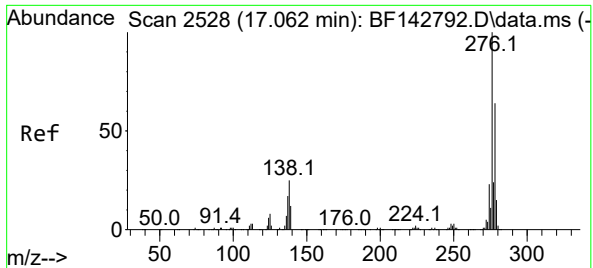
Ion Ratio Lower Upper

264 100

260 22.9 18.1 27.1

265 22.7 16.6 25.0





#87

Indeno(1,2,3-cd)pyrene

Concen: 34.355 ng

RT: 17.056 min Scan# 21

Delta R.T. -0.006 min

Lab File: BF142983.D

Acq: 02 Jul 2025 21:22

Instrument :

BNA_F

ClientSampleId :

SOIL-PILEMSD

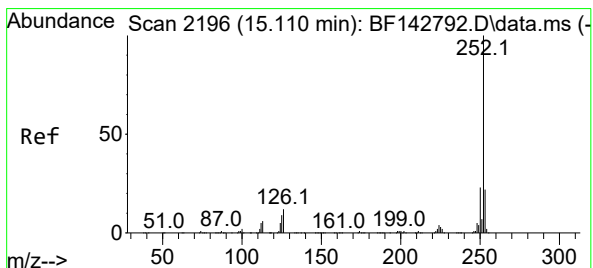
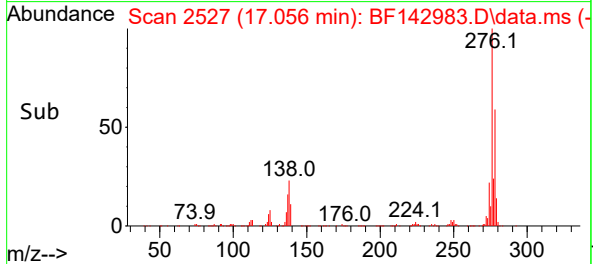
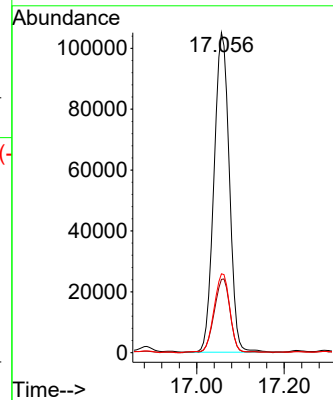
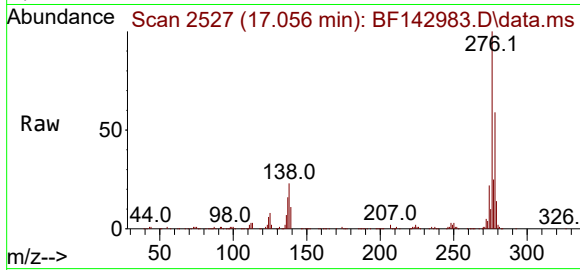
Tgt Ion:276 Resp: 255696

Ion Ratio Lower Upper

276 100

138 24.0 20.2 30.4

277 25.8 19.8 29.6



#88

Benzo(b)fluoranthene

Concen: 72.061 ng

RT: 15.110 min Scan# 2196

Delta R.T. 0.000 min

Lab File: BF142983.D

Acq: 02 Jul 2025 21:22

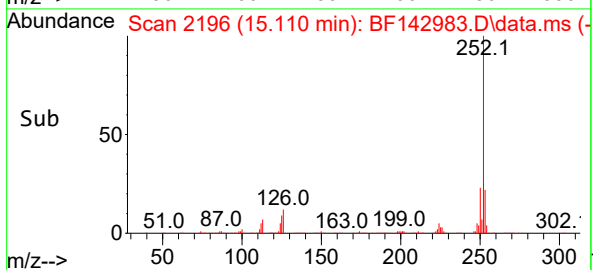
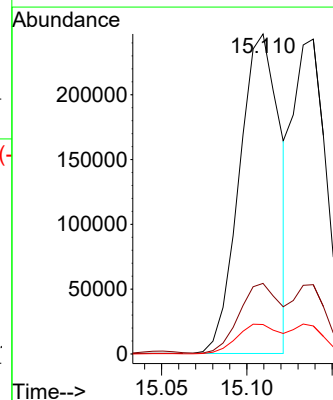
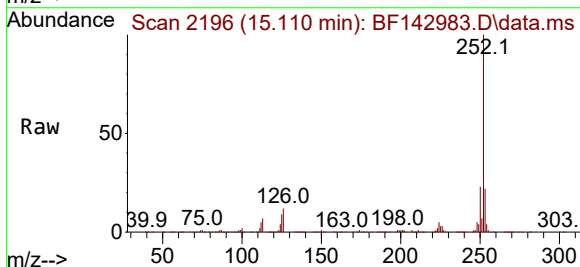
Tgt Ion:252 Resp: 407451

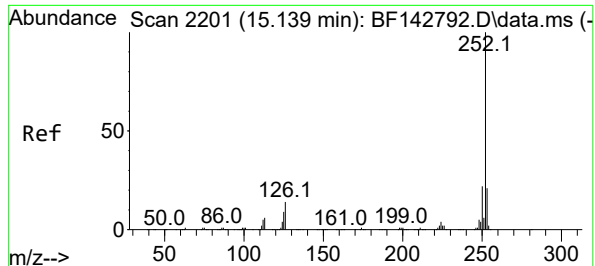
Ion Ratio Lower Upper

252 100

253 22.0 17.5 26.3

125 9.2 7.4 11.0





#89

Benzo(k)fluoranthene

Concen: 62.435 ng

RT: 15.139 min Scan# 21

Delta R.T. 0.000 min

Lab File: BF142983.D

Acq: 02 Jul 2025 21:22

Instrument :

BNA_F

ClientSampleId :

SOIL-PILEMSD

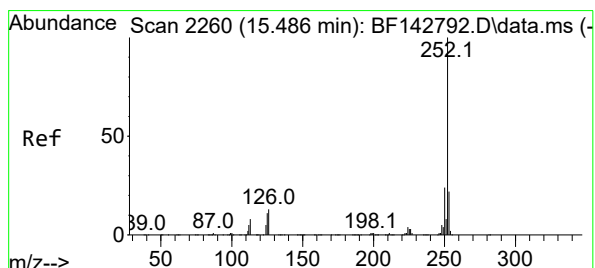
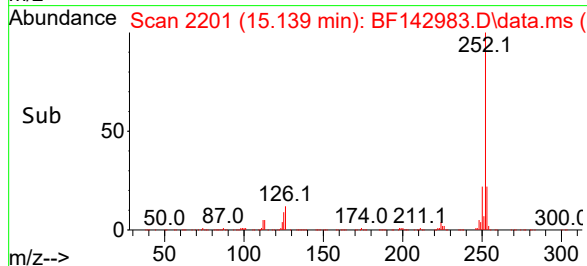
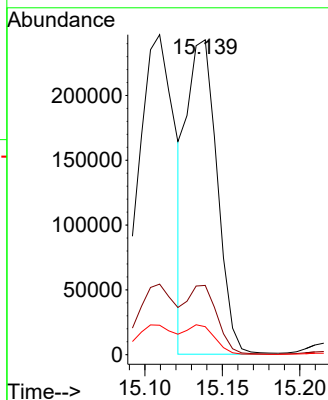
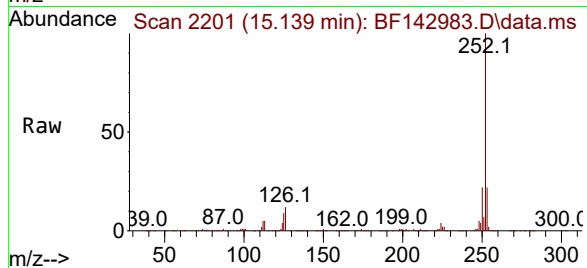
Tgt Ion:252 Resp: 330281

Ion Ratio Lower Upper

252 100

253 22.0 17.2 25.8

125 8.9 7.4 11.2



#90

Benzo(a)pyrene

Concen: 56.496 ng

RT: 15.480 min Scan# 2259

Delta R.T. -0.006 min

Lab File: BF142983.D

Acq: 02 Jul 2025 21:22

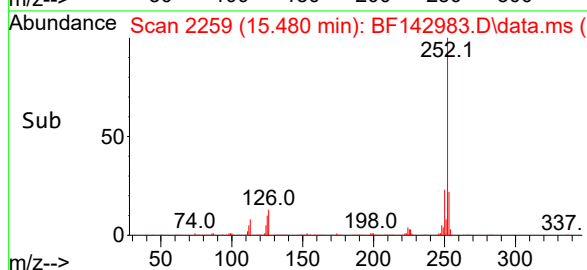
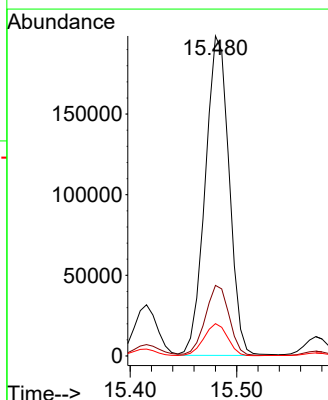
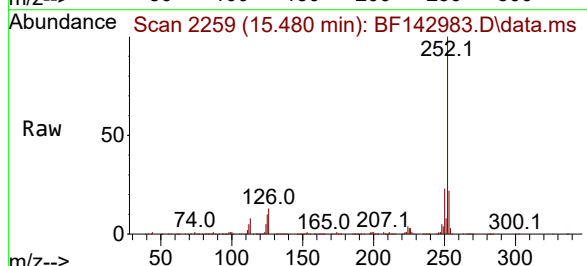
Tgt Ion:252 Resp: 308603

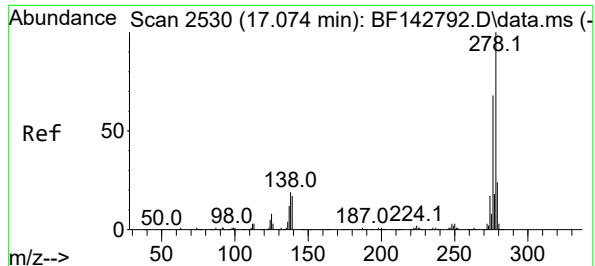
Ion Ratio Lower Upper

252 100

253 22.1 17.5 26.3

125 10.1 8.6 12.8





#91

Dibenzo(a,h)anthracene

Concen: 31.835 ng

RT: 17.068 min Scan# 21

Delta R.T. -0.006 min

Lab File: BF142983.D

Acq: 02 Jul 2025 21:22

Instrument :

BNA_F

ClientSampleId :

SOIL-PILEMSD

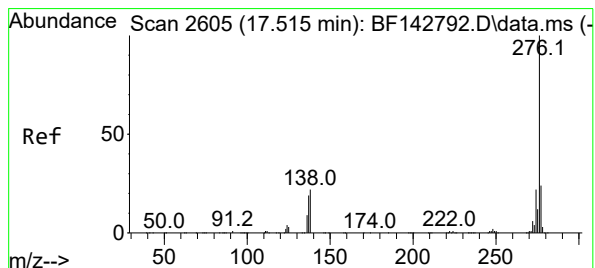
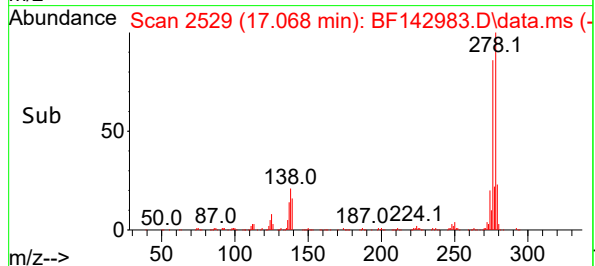
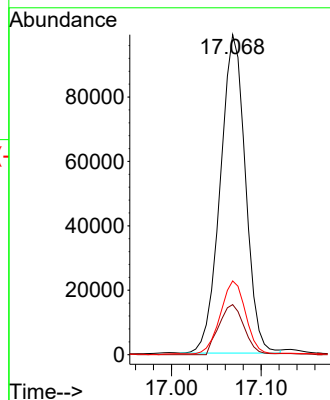
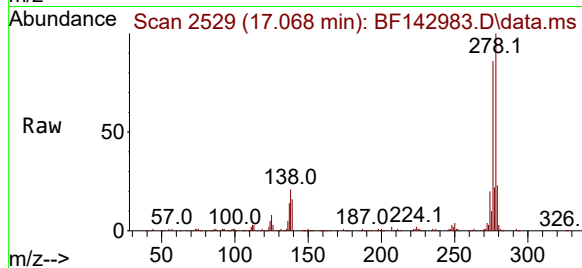
Tgt Ion:278 Resp: 192523

Ion Ratio Lower Upper

278 100

139 15.6 13.5 20.3

279 23.0 18.8 28.2



#92

Benzo(g,h,i)perylene

Concen: 32.548 ng

RT: 17.515 min Scan# 2605

Delta R.T. 0.000 min

Lab File: BF142983.D

Acq: 02 Jul 2025 21:22

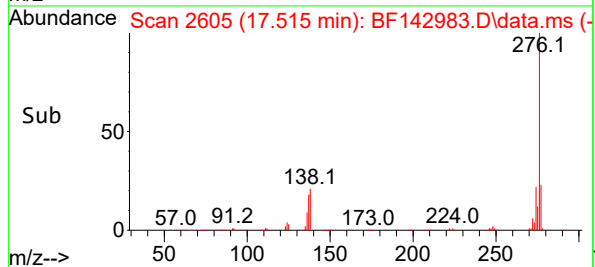
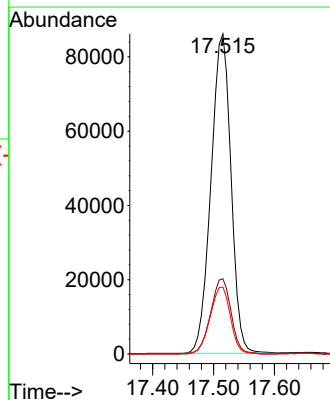
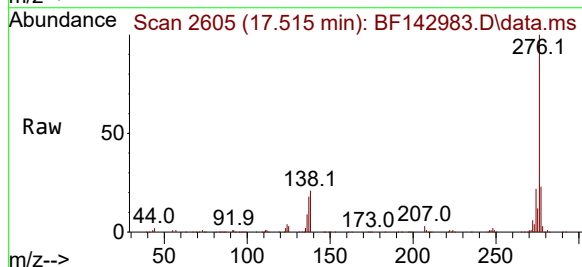
Tgt Ion:276 Resp: 196272

Ion Ratio Lower Upper

276 100

277 23.5 18.8 28.2

138 20.9 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:

bf070225

Instrument

BNA_f

Sample ID	File ID	Parameter	Review By	Review On	Supervised By	Supervised On	Reason
Q2475-01MS	BF142982.D	Acenaphthene	Rahul	7/3/2025 8:56:44 AM	Jagrut	7/3/2025 11:08:28 AM	Peak Integrated by Software
Q2475-01MS	BF142982.D	Benzo(k)fluoranthene	Rahul	7/3/2025 8:56:44 AM	Jagrut	7/3/2025 11:08:28 AM	Peak Integrated by Software
Q2475-01MSD	BF142983.D	Acenaphthene	Rahul	7/3/2025 8:56:47 AM	Jagrut	7/3/2025 11:08:30 AM	Peak Integrated by Software

Manual Integration Report

Sequence:

BF070325

Instrument

BNA_f

Sample ID	File ID	Parameter	Review By	Review On	Supervised By	Supervised On	Reason
SSTDCCC040	BF142987.D	Acenaphthene	Rahul	7/7/2025 11:31:59 AM	Jagrut	7/7/2025 12:17:15 PM	Peak Integrated by Software
PB168694BS	BF142989.D	Acenaphthene	Rahul	7/7/2025 11:32:02 AM	Jagrut	7/7/2025 12:17:17 PM	Peak Integrated by Software
PB168694BS	BF142989.D	Caprolactam	Rahul	7/7/2025 11:32:02 AM	Jagrut	7/7/2025 12:17:17 PM	Peak Integrated by Software
Q2484-02	BF142995.D	Benzo(b)fluoranthene	Rahul	7/7/2025 11:32:10 AM	Jagrut	7/7/2025 12:17:28 PM	Peak Integrated by Software

Manual Integration Report

Sequence:

bf070725

Instrument

BNA_f

Sample ID	File ID	Parameter	Review By	Review On	Supervised By	Supervised On	Reason
SSTDCCC040	BF143003.D	2,4-Dimethylphenol	Rahul	7/8/2025 10:38:41 AM	Jagrut	7/8/2025 11:32:09 AM	Peak Integrated by Software
SSTDCCC040	BF143003.D	Acenaphthene	Rahul	7/8/2025 10:38:41 AM	Jagrut	7/8/2025 11:32:09 AM	Peak Integrated by Software
Q2484-01	BF143018.D	Benzo(b)fluoranthene	Rahul	7/8/2025 10:39:07 AM	Jagrut	7/8/2025 11:32:35 AM	Peak Integrated by Software
Q2484-01	BF143018.D	Benzo(k)fluoranthene	Rahul	7/8/2025 10:39:07 AM	Jagrut	7/8/2025 11:32:35 AM	Peak Integrated by Software
Q2484-01	BF143018.D	Dibenzo(a,h)anthracene	Rahul	7/8/2025 10:39:07 AM	Jagrut	7/8/2025 11:32:35 AM	Peak Integrated by Software
Q2484-03	BF143021.D	Benzo(b)fluoranthene	Rahul	7/8/2025 10:39:16 AM	Jagrut	7/8/2025 11:32:42 AM	Peak Integrated by Software

Manual Integration Report

Sequence:

bf070825

Instrument

BNA_f

Sample ID	File ID	Parameter	Review By	Review On	Supervised By	Supervised On	Reason
SSTDCCC040	BF143025.D	Acenaphthene	Rahul	7/9/2025 9:40:41 AM	Jagrut	7/9/2025 2:16:01 PM	Peak Integrated by Software
Q2484-01DL	BF143042.D	Benzo(b)fluoranthene	Rahul	7/9/2025 9:40:59 AM	Jagrut	7/9/2025 2:16:20 PM	Peak Integrated by Software
Q2484-01DL	BF143042.D	Benzo(k)fluoranthene	Rahul	7/9/2025 9:40:59 AM	Jagrut	7/9/2025 2:16:20 PM	Peak Integrated by Software
Q2484-01DL	BF143042.D	Dibenzo(a,h)anthracene	Rahul	7/9/2025 9:40:59 AM	Jagrut	7/9/2025 2:16:20 PM	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	SSTDICCC040	BF142792.D	19 Jun 2025 19:09	RC/JU	Ok
7	SSTDICC050	BF142793.D	19 Jun 2025 19:40	RC/JU	Ok
8	SSTDICC060	BF142794.D	19 Jun 2025 20:10	RC/JU	Ok
9	SSTDICC080	BF142795.D	19 Jun 2025 20:40	RC/JU	Ok
10	SSTDICV040	BF142796.D	19 Jun 2025 21:10	RC/JU	Ok
11	PB168536BL	BF142797.D	19 Jun 2025 22:10	RC/JU	Ok
12	PB168536BS	BF142798.D	19 Jun 2025 22:40	RC/JU	Ok,M

M : Manual Integration

Instrument ID: **BNA_F**

Daily Analysis Runlog For Sequence/QC Batch ID # BF070225

Review By	Rahul	Review On	7/3/2025 9:14:42 AM
Supervise By	Jagrut	Supervise On	7/3/2025 11:11:28 AM
SubDirectory	BF070225	HP Acquire Method	BNA_F
		HP Processing Method	bf061925
STD. NAME	STD REF.#		
Tune/Reschk	SP6757		
Initial Calibration Stds	SP6833,SP6834,SP6835,SP6836,SP6837,SP6838,SP6839,SP6840		
CCC	SP6836		
Internal Standard/PEM	S12672,10ul/1000ul sample		
ICV/I.BLK	SP6770		
Surrogate Standard			
MS/MSD Standard			
LCS Standard			

Sr#	SampleId	Data File Name	Date-Time	Operator	Status
1	DFTPP	BF142963.D	02 Jul 2025 11:11	RC/JU	Ok
2	SSTDCCC040	BF142964.D	02 Jul 2025 11:41	RC/JU	Ok
3	PB168652TB	BF142965.D	02 Jul 2025 12:11	RC/JU	Ok
4	Q2452-04	BF142966.D	02 Jul 2025 12:46	RC/JU	Ok
5	Q2452-04MS	BF142967.D	02 Jul 2025 13:16	RC/JU	Ok,M
6	Q2452-04MSD	BF142968.D	02 Jul 2025 13:47	RC/JU	Ok,M
7	Q2458-04	BF142969.D	02 Jul 2025 14:17	RC/JU	Ok
8	Q2458-04MS	BF142970.D	02 Jul 2025 14:47	RC/JU	Ok,M
9	Q2458-04MSD	BF142971.D	02 Jul 2025 15:17	RC/JU	Ok,M
10	Q2452-08	BF142972.D	02 Jul 2025 15:47	RC/JU	Ok
11	Q2459-04	BF142973.D	02 Jul 2025 16:18	RC/JU	Ok
12	Q2469-04	BF142974.D	02 Jul 2025 16:49	RC/JU	Ok
13	Q2458-09	BF142975.D	02 Jul 2025 17:19	RC/JU	Ok
14	Q2459-01	BF142976.D	02 Jul 2025 17:49	RC/JU	Ok
15	Q2458-05	BF142977.D	02 Jul 2025 18:20	RC/JU	Ok,M
16	Q2458-01	BF142978.D	02 Jul 2025 18:50	RC/JU	Ok,M
17	Q2458-03	BF142979.D	02 Jul 2025 19:21	RC/JU	Ok,M
18	Q2450-01DL	BF142980.D	02 Jul 2025 19:52	RC/JU	Ok,M
19	Q2475-01	BF142981.D	02 Jul 2025 20:22	RC/JU	Ok,M
20	Q2475-01MS	BF142982.D	02 Jul 2025 20:52	RC/JU	Ok,M
21	Q2475-01MSD	BF142983.D	02 Jul 2025 21:22	RC/JU	Ok,M

Instrument ID: **BNA_F**

Daily Analysis Runlog For Sequence/QCBatch ID # BF070225

Review By	Rahul	Review On	7/3/2025 9:14:42 AM		
Supervise By	Jagrut	Supervise On	7/3/2025 11:11:28 AM		
SubDirectory	BF070225	HP Acquire Method	BNA_F	HP Processing Method	bf061925
STD. NAME		STD REF.#			
Tune/Reschk		SP6757			
Initial Calibration Stds		SP6833,SP6834,SP6835,SP6836,SP6837,SP6838,SP6839,SP6840			
CCC		SP6836			
Internal Standard/PEM		S12672,10ul/1000ul sample			
ICV/I.BLK		SP6770			
Surrogate Standard					
MS/MSD Standard					
LCS Standard					

22	Q2478-01	BF142984.D	02 Jul 2025 21:52	RC/JU	Ok
23	Q2458-02	BF142985.D	02 Jul 2025 22:22	RC/JU	Ok,M

M : Manual Integration

Instrument ID: BNA_F

Daily Analysis Runlog For Sequence/QC Batch ID # BF070325

Review By	Rahul	Review On	7/7/2025 11:33:04 AM
Supervise By	Jagrut	Supervise On	7/7/2025 12:17:49 PM
SubDirectory	BF070325	HP Acquire Method	BNA_F
		HP Processing Method	bf061925
STD. NAME	STD REF.#		
Tune/Reschk	SP6757		
Initial Calibration Stds	SP6833,SP6834,SP6835,SP6836,SP6837,SP6838,SP6839,SP6840		
CCC	SP6836		
Internal Standard/PEM	S12672,10ul/1000ul sample		
ICV/I.BLK	SP6770		
Surrogate Standard			
MS/MSD Standard			
LCS Standard			

Sr#	SampleId	Data File Name	Date-Time	Operator	Status
1	DFTPP	BF142986.D	03 Jul 2025 09:25	RC/JU	Ok
2	SSTDCCC040	BF142987.D	03 Jul 2025 09:55	RC/JU	Ok,M
3	PB168694BL	BF142988.D	03 Jul 2025 10:26	RC/JU	Ok
4	PB168694BS	BF142989.D	03 Jul 2025 10:55	RC/JU	Ok,M
5	PB168674BL	BF142990.D	03 Jul 2025 11:25	RC/JU	Ok
6	PB168674BS	BF142991.D	03 Jul 2025 11:55	RC/JU	Ok,M
7	PB168685BL	BF142992.D	03 Jul 2025 12:25	RC/JU	Ok
8	PB168685BS	BF142993.D	03 Jul 2025 12:54	RC/JU	Ok,M
9	Q2472-01	BF142994.D	03 Jul 2025 13:55	RC/JU	Ok
10	Q2484-02	BF142995.D	03 Jul 2025 14:25	RC/JU	Ok,M
11	Q2484-06	BF142996.D	03 Jul 2025 14:56	RC/JU	Ok
12	Q2484-05	BF142997.D	03 Jul 2025 15:27	RC/JU	Ok
13	Q2458-10	BF142998.D	03 Jul 2025 15:58	RC/JU	Ok
14	Q2463-01	BF142999.D	03 Jul 2025 16:29	RC/JU	Ok
15	Q2484-04	BF143000.D	03 Jul 2025 16:59	RC/JU	Ok
16	Q2473-04	BF143001.D	03 Jul 2025 17:30	RC/JU	Ok,M

M : Manual Integration

Instrument ID: **BNA_F**

Daily Analysis Runlog For Sequence/QCBatch ID # BF070725

Review By	Rahul	Review On	7/8/2025 10:39:40 AM
Supervise By	Jagrut	Supervise On	7/8/2025 11:33:00 AM
SubDirectory	BF070725	HP Acquire Method	BNA_F
		HP Processing Method	bf061925
STD. NAME	STD REF.#		
Tune/Reschk	SP6757		
Initial Calibration Stds	SP6833,SP6834,SP6835,SP6836,SP6837,SP6838,SP6839,SP6840		
CCC	SP6836		
Internal Standard/PEM	S12672,10ul/1000ul sample		
ICV/I.BLK	SP6770		
Surrogate Standard			
MS/MSD Standard			
LCS Standard			

Sr#	SampleId	Data File Name	Date-Time	Operator	Status
1	DFTPP	BF143002.D	07 Jul 2025 11:12	RC/JU	Ok
2	SSTDCCC040	BF143003.D	07 Jul 2025 12:12	RC/JU	Ok,M
3	PB168722BL	BF143004.D	07 Jul 2025 12:42	RC/JU	Ok
4	Q2493-01	BF143005.D	07 Jul 2025 13:16	RC/JU	Ok
5	Q2493-01MS	BF143006.D	07 Jul 2025 13:47	RC/JU	Ok,M
6	Q2493-01MSD	BF143007.D	07 Jul 2025 14:17	RC/JU	Ok,M
7	Q2487-12	BF143008.D	07 Jul 2025 14:47	RC/JU	Ok
8	Q2487-10	BF143009.D	07 Jul 2025 15:17	RC/JU	Ok,M
9	Q2487-14	BF143010.D	07 Jul 2025 15:48	RC/JU	Ok,M
10	Q2491-01	BF143011.D	07 Jul 2025 16:18	RC/JU	Ok,M
11	Q2478-04	BF143012.D	07 Jul 2025 16:49	RC/JU	Ok
12	Q2478-04MS	BF143013.D	07 Jul 2025 17:19	RC/JU	Ok,M
13	Q2478-04MSD	BF143014.D	07 Jul 2025 17:50	RC/JU	Ok,M
14	Q2514-02	BF143015.D	07 Jul 2025 18:21	RC/JU	Ok
15	Q2513-03	BF143016.D	07 Jul 2025 18:51	RC/JU	Ok,M
16	Q2507-01	BF143017.D	07 Jul 2025 19:21	RC/JU	Ok,M
17	Q2484-01	BF143018.D	07 Jul 2025 19:51	RC/JU	Dilution
18	Q2473-03	BF143019.D	07 Jul 2025 20:21	RC/JU	Ok,M
19	Q2473-01	BF143020.D	07 Jul 2025 20:51	RC/JU	Ok,M
20	Q2484-03	BF143021.D	07 Jul 2025 21:22	RC/JU	Ok,M
21	Q2473-02	BF143022.D	07 Jul 2025 21:52	RC/JU	Ok,M

Instrument ID: **BNA_F**

Daily Analysis Runlog For Sequence/QC Batch ID # BF070725

Review By	Rahul	Review On	7/8/2025 10:39:40 AM		
Supervise By	Jagrut	Supervise On	7/8/2025 11:33:00 AM		
SubDirectory	BF070725	HP Acquire Method	BNA_F	HP Processing Method	bf061925
STD. NAME		STD REF.#			
Tune/Reschk		SP6757			
Initial Calibration Stds		SP6833,SP6834,SP6835,SP6836,SP6837,SP6838,SP6839,SP6840			
CCC		SP6836			
Internal Standard/PEM		S12672,10ul/1000ul sample			
ICV/I.BLK		SP6770			
Surrogate Standard					
MS/MSD Standard					
LCS Standard					

22	Q2513-01	BF143023.D	07 Jul 2025 22:22	RC/JU	Ok

M : Manual Integration

Instrument ID: **BNA_F**

Daily Analysis Runlog For Sequence/QC Batch ID # BF070825

Review By	Rahul	Review On	7/9/2025 9:47:19 AM
Supervise By	Jagrut	Supervise On	7/9/2025 2:16:38 PM
SubDirectory	BF070825	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	S12673,10ul/1000ul sample		
ICV/I.BLK	SP6770		
Surrogate Standard			
MS/MSD Standard			
LCS Standard			

Sr#	SampleId	Data File Name	Date-Time	Operator	Status
1	DFTPP	BF143024.D	08 Jul 2025 10:24	RC/JU	Ok
2	SSTDCCC040	BF143025.D	08 Jul 2025 10:54	RC/JU	Ok,M
3	PB168716BL	BF143026.D	08 Jul 2025 11:24	RC/JU	Ok
4	PB168716BS	BF143027.D	08 Jul 2025 11:54	RC/JU	Ok,M
5	PB168716BSD	BF143028.D	08 Jul 2025 12:25	RC/JU	Ok,M
6	PB168722BS	BF143029.D	08 Jul 2025 12:55	RC/JU	Ok,M
7	Q2514-07	BF143030.D	08 Jul 2025 13:31	RC/JU	Ok
8	Q2514-08	BF143031.D	08 Jul 2025 14:02	RC/JU	Ok
9	Q2514-08MS	BF143032.D	08 Jul 2025 14:32	RC/JU	Ok,M
10	Q2514-08MSD	BF143033.D	08 Jul 2025 15:03	RC/JU	Ok,M
11	Q2515-01	BF143034.D	08 Jul 2025 15:34	RC/JU	Ok
12	Q2514-09	BF143035.D	08 Jul 2025 16:05	RC/JU	Ok
13	Q2514-03	BF143036.D	08 Jul 2025 16:36	RC/JU	Ok
14	Q2514-01	BF143037.D	08 Jul 2025 17:07	RC/JU	Ok
15	Q2514-05	BF143038.D	08 Jul 2025 17:37	RC/JU	Ok,M
16	Q2489-01	BF143039.D	08 Jul 2025 18:08	RC/JU	Ok
17	Q2489-02	BF143040.D	08 Jul 2025 18:39	RC/JU	Ok
18	Q2493-04	BF143041.D	08 Jul 2025 19:10	RC/JU	Ok
19	Q2484-01DL	BF143042.D	08 Jul 2025 19:41	RC/JU	Ok,M
20	Q2473-01DL	BF143043.D	08 Jul 2025 20:12	RC/JU	Ok,M
21	Q2514-06	BF143044.D	08 Jul 2025 20:42	RC/JU	Ok

Instrument ID: **BNA_F**

Daily Analysis Runlog For Sequence/QC Batch ID # BF070825

Review By	Rahul	Review On	7/9/2025 9:47:19 AM		
Supervise By	Jagrut	Supervise On	7/9/2025 2:16:38 PM		
SubDirectory	BF070825	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	S12673,10ul/1000ul sample				
ICV/I.BLK	SP6770				
Surrogate Standard					
MS/MSD Standard					
LCS Standard					

22	Q2514-10	BF143045.D	08 Jul 2025 21:12	RC/JU	Ok,M
23	Q2514-04	BF143046.D	08 Jul 2025 21:42	RC/JU	Ok,M

M : Manual Integration

Instrument ID: BNA_F

Daily Analysis Runlog For Sequence/QC Batch ID # BF061925

Review By	Rahul	Review On	6/23/2025 3:55:52 PM
Supervise By	Jagrut	Supervise On	6/24/2025 3:17:49 PM
SubDirectory	BF061925	HP Acquire Method	BNA_F
		HP Processing Method	bf061925

STD. NAME	STD REF.#
Tune/Reschk	SP6757
Initial Calibration Stds	SP6833,SP6834,SP6835,SP6836,SP6837,SP6838,SP6839,SP6840
CCC	SP6836
Internal Standard/PEM	S12670,10ul/1000ul sample
ICV/I.BLK	SP6770
Surrogate Standard	
MS/MSD Standard	
LCS Standard	

Sr#	SampleID	ClientID	Data File Name	Date-Time	Comment	Operator	Status
1	DFTPP	DFTPP	BF142787.D	19 Jun 2025 16:37		RC/JU	Ok
2	SSTDICC2.5	SSTDICC2.5	BF142788.D	19 Jun 2025 17:07		RC/JU	Ok
3	SSTDICC005	SSTDICC005	BF142789.D	19 Jun 2025 17:38		RC/JU	Ok
4	SSTDICC010	SSTDICC010	BF142790.D	19 Jun 2025 18:08		RC/JU	Ok
5	SSTDICC020	SSTDICC020	BF142791.D	19 Jun 2025 18:39		RC/JU	Ok
6	SSTDICCC040	SSTDICCC040	BF142792.D	19 Jun 2025 19:09		RC/JU	Ok
7	SSTDICC050	SSTDICC050	BF142793.D	19 Jun 2025 19:40		RC/JU	Ok
8	SSTDICC060	SSTDICC060	BF142794.D	19 Jun 2025 20:10		RC/JU	Ok
9	SSTDICC080	SSTDICC080	BF142795.D	19 Jun 2025 20:40	Compound #09 removed from 80 PPM.	RC/JU	Ok
10	SSTDICV040	ICVBF061925	BF142796.D	19 Jun 2025 21:10		RC/JU	Ok
11	PB168536BL	PB168536BL	BF142797.D	19 Jun 2025 22:10		RC/JU	Ok
12	PB168536BS	PB168536BS	BF142798.D	19 Jun 2025 22:40		RC/JU	Ok,M

M : Manual Integration

Instrument ID: BNA_F

Daily Analysis Runlog For Sequence/QC Batch ID # BF070225

Review By	Rahul	Review On	7/3/2025 9:14:42 AM
Supervise By	Jagrut	Supervise On	7/3/2025 11:11:28 AM
SubDirectory	BF070225	HP Acquire Method	BNA_F
		HP Processing Method	bf061925

STD. NAME	STD REF.#
Tune/Reschk	SP6757
Initial Calibration Stds	SP6833,SP6834,SP6835,SP6836,SP6837,SP6838,SP6839,SP6840
CCC	SP6836
Internal Standard/PEM	S12672,10ul/1000ul sample
ICV/I.BLK	SP6770
Surrogate Standard	
MS/MSD Standard	
LCS Standard	

Sr#	SampleID	ClientID	Data File Name	Date-Time	Comment	Operator	Status
1	DFTPP	DFTPP	BF142963.D	02 Jul 2025 11:11		RC/JU	Ok
2	SSTDCCC040	SSTDCCC040	BF142964.D	02 Jul 2025 11:41		RC/JU	Ok
3	PB168652TB	PB168652TB	BF142965.D	02 Jul 2025 12:11		RC/JU	Ok
4	Q2452-04	TP-5	BF142966.D	02 Jul 2025 12:46		RC/JU	Ok
5	Q2452-04MS	TP-5MS	BF142967.D	02 Jul 2025 13:16		RC/JU	Ok,M
6	Q2452-04MSD	TP-5MSD	BF142968.D	02 Jul 2025 13:47		RC/JU	Ok,M
7	Q2458-04	TP-67	BF142969.D	02 Jul 2025 14:17		RC/JU	Ok
8	Q2458-04MS	TP-67MS	BF142970.D	02 Jul 2025 14:47		RC/JU	Ok,M
9	Q2458-04MSD	TP-67MSD	BF142971.D	02 Jul 2025 15:17		RC/JU	Ok,M
10	Q2452-08	EP-2	BF142972.D	02 Jul 2025 15:47		RC/JU	Ok
11	Q2459-04	TP-1	BF142973.D	02 Jul 2025 16:18		RC/JU	Ok
12	Q2469-04	WC-1	BF142974.D	02 Jul 2025 16:49		RC/JU	Ok
13	Q2458-09	TP-59	BF142975.D	02 Jul 2025 17:19		RC/JU	Ok
14	Q2459-01	TP-1	BF142976.D	02 Jul 2025 17:49		RC/JU	Ok
15	Q2458-05	TP-66	BF142977.D	02 Jul 2025 18:20		RC/JU	Ok,M
16	Q2458-01	TP-76	BF142978.D	02 Jul 2025 18:50		RC/JU	Ok,M
17	Q2458-03	TP-68	BF142979.D	02 Jul 2025 19:21		RC/JU	Ok,M
18	Q2450-01DL	PL-2-062725DL	BF142980.D	02 Jul 2025 19:52		RC/JU	Ok,M

Instrument ID: BNA_F

Daily Analysis Runlog For Sequence/QC Batch ID # BF070225

Review By	Rahul	Review On	7/3/2025 9:14:42 AM		
Supervise By	Jagrut	Supervise On	7/3/2025 11:11:28 AM		
SubDirectory	BF070225	HP Acquire Method	BNA_F	HP Processing Method	bf061925
STD. NAME	STD REF.#				
Tune/Reschk	SP6757				
Initial Calibration Stds	SP6833,SP6834,SP6835,SP6836,SP6837,SP6838,SP6839,SP6840				
CCC	SP6836				
Internal Standard/PEM	S12672,10ul/1000ul sample				
ICV/I.BLK	SP6770				
Surrogate Standard					
MS/MSD Standard					
LCS Standard					

19	Q2475-01	SOIL-PILE	BF142981.D	02 Jul 2025 20:22		RC/JU	Ok,M
20	Q2475-01MS	SOIL-PILEMS	BF142982.D	02 Jul 2025 20:52		RC/JU	Ok,M
21	Q2475-01MSD	SOIL-PILEMSD	BF142983.D	02 Jul 2025 21:22		RC/JU	Ok,M
22	Q2478-01	WC-1	BF142984.D	02 Jul 2025 21:52		RC/JU	Ok
23	Q2458-02	TP-55	BF142985.D	02 Jul 2025 22:22		RC/JU	Ok,M

M : Manual Integration

Instrument ID: BNA_F

Daily Analysis Runlog For Sequence/QC Batch ID # BF070325

Review By	Rahul	Review On	7/7/2025 11:33:04 AM
Supervise By	Jagrut	Supervise On	7/7/2025 12:17:49 PM
SubDirectory	BF070325	HP Acquire Method	BNA_F
		HP Processing Method	bf061925

STD. NAME	STD REF.#
Tune/Reschk	SP6757
Initial Calibration Stds	SP6833,SP6834,SP6835,SP6836,SP6837,SP6838,SP6839,SP6840
CCC	SP6836
Internal Standard/PEM	S12672,10ul/1000ul sample
ICV/I.BLK	SP6770
Surrogate Standard	
MS/MSD Standard	
LCS Standard	

Sr#	SampleID	ClientID	Data File Name	Date-Time	Comment	Operator	Status
1	DFTPP	DFTPP	BF142986.D	03 Jul 2025 09:25		RC/JU	Ok
2	SSTDCCC040	SSTDCCC040	BF142987.D	03 Jul 2025 09:55		RC/JU	Ok,M
3	PB168694BL	PB168694BL	BF142988.D	03 Jul 2025 10:26		RC/JU	Ok
4	PB168694BS	PB168694BS	BF142989.D	03 Jul 2025 10:55		RC/JU	Ok,M
5	PB168674BL	PB168674BL	BF142990.D	03 Jul 2025 11:25		RC/JU	Ok
6	PB168674BS	PB168674BS	BF142991.D	03 Jul 2025 11:55		RC/JU	Ok,M
7	PB168685BL	PB168685BL	BF142992.D	03 Jul 2025 12:25		RC/JU	Ok
8	PB168685BS	PB168685BS	BF142993.D	03 Jul 2025 12:54		RC/JU	Ok,M
9	Q2472-01	PN#1	BF142994.D	03 Jul 2025 13:55		RC/JU	Ok
10	Q2484-02	TP-57	BF142995.D	03 Jul 2025 14:25		RC/JU	Ok,M
11	Q2484-06	TP-104	BF142996.D	03 Jul 2025 14:56		RC/JU	Ok
12	Q2484-05	TP-106	BF142997.D	03 Jul 2025 15:27		RC/JU	Ok
13	Q2458-10	FB-06272025	BF142998.D	03 Jul 2025 15:58		RC/JU	Ok
14	Q2463-01	TW-WTS-11	BF142999.D	03 Jul 2025 16:29		RC/JU	Ok
15	Q2484-04	TP-107	BF143000.D	03 Jul 2025 16:59		RC/JU	Ok
16	Q2473-04	PIT#4	BF143001.D	03 Jul 2025 17:30	Parameter list not updated on login page	RC/JU	Ok,M

M : Manual Integration

Instrument ID: BNA_F

Daily Analysis Runlog For Sequence/QC Batch ID # BF070725

Review By	Rahul	Review On	7/8/2025 10:39:40 AM
Supervise By	Jagrut	Supervise On	7/8/2025 11:33:00 AM
SubDirectory	BF070725	HP Acquire Method	BNA_F
		HP Processing Method	bf061925

STD. NAME	STD REF.#
Tune/Reschk	SP6757
Initial Calibration Stds	SP6833,SP6834,SP6835,SP6836,SP6837,SP6838,SP6839,SP6840
CCC	SP6836
Internal Standard/PEM	S12672,10ul/1000ul sample
ICV/I.BLK	SP6770
Surrogate Standard	
MS/MSD Standard	
LCS Standard	

Sr#	SampleId	ClientID	Data File Name	Date-Time	Comment	Operator	Status
1	DFTPP	DFTPP	BF143002.D	07 Jul 2025 11:12		RC/JU	Ok
2	SSTDCCC040	SSTDCCC040	BF143003.D	07 Jul 2025 12:12		RC/JU	Ok,M
3	PB168722BL	PB168722BL	BF143004.D	07 Jul 2025 12:42		RC/JU	Ok
4	Q2493-01	WC-11	BF143005.D	07 Jul 2025 13:16		RC/JU	Ok
5	Q2493-01MS	WC-11MS	BF143006.D	07 Jul 2025 13:47		RC/JU	Ok,M
6	Q2493-01MSD	WC-11MSD	BF143007.D	07 Jul 2025 14:17		RC/JU	Ok,M
7	Q2487-12	G3(6-12)	BF143008.D	07 Jul 2025 14:47		RC/JU	Ok
8	Q2487-10	G4(6-12)	BF143009.D	07 Jul 2025 15:17		RC/JU	Ok,M
9	Q2487-14	G2(6-12)	BF143010.D	07 Jul 2025 15:48		RC/JU	Ok,M
10	Q2491-01	EO-1-070225	BF143011.D	07 Jul 2025 16:18		RC/JU	Ok,M
11	Q2478-04	WC-1	BF143012.D	07 Jul 2025 16:49		RC/JU	Ok
12	Q2478-04MS	WC-1MS	BF143013.D	07 Jul 2025 17:19		RC/JU	Ok,M
13	Q2478-04MSD	WC-1MSD	BF143014.D	07 Jul 2025 17:50		RC/JU	Ok,M
14	Q2514-02	TP-93	BF143015.D	07 Jul 2025 18:21		RC/JU	Ok
15	Q2513-03	HR-3-070325	BF143016.D	07 Jul 2025 18:51		RC/JU	Ok,M
16	Q2507-01	SU-04-7.3-2025	BF143017.D	07 Jul 2025 19:21		RC/JU	Ok,M
17	Q2484-01	TP-58	BF143018.D	07 Jul 2025 19:51	Need 5X Dilution	RC/JU	Dilution

Instrument ID: BNA_F

Daily Analysis Runlog For Sequence/QC Batch ID # BF070725

Review By	Rahul	Review On	7/8/2025 10:39:40 AM		
Supervise By	Jagrut	Supervise On	7/8/2025 11:33:00 AM		
SubDirectory	BF070725	HP Acquire Method	BNA_F	HP Processing Method	bf061925

STD. NAME	STD REF.#
Tune/Reschk	SP6757
Initial Calibration Stds	SP6833,SP6834,SP6835,SP6836,SP6837,SP6838,SP6839,SP6840
CCC	SP6836
Internal Standard/PEM	S12672,10ul/1000ul sample
ICV/I.BLK	SP6770
Surrogate Standard	
MS/MSD Standard	
LCS Standard	

18	Q2473-03	PIT#3	BF143019.D	07 Jul 2025 20:21	Parameter list not updated on login page	RC/JU	Ok,M
19	Q2473-01	PIT#1	BF143020.D	07 Jul 2025 20:51	need DL 10X	RC/JU	Ok,M
20	Q2484-03	TP-64	BF143021.D	07 Jul 2025 21:22		RC/JU	Ok,M
21	Q2473-02	PIT#2	BF143022.D	07 Jul 2025 21:52	Parameter list not updated on login page	RC/JU	Ok,M
22	Q2513-01	HR-2-070325	BF143023.D	07 Jul 2025 22:22		RC/JU	Ok

M : Manual Integration

Instrument ID: BNA_F

Daily Analysis Runlog For Sequence/QC Batch ID # BF070825

Review By	Rahul	Review On	7/9/2025 9:47:19 AM
Supervise By	Jagrut	Supervise On	7/9/2025 2:16:38 PM
SubDirectory	BF070825	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	S12673,10ul/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	BF143024.D	08 Jul 2025 10:24		RC/JU	Ok
2	SSTDCCC040	SSTDCCC040	BF143025.D	08 Jul 2025 10:54		RC/JU	Ok,M
3	PB168716BL	PB168716BL	BF143026.D	08 Jul 2025 11:24		RC/JU	Ok
4	PB168716BS	PB168716BS	BF143027.D	08 Jul 2025 11:54		RC/JU	Ok,M
5	PB168716BSD	PB168716BSD	BF143028.D	08 Jul 2025 12:25		RC/JU	Ok,M
6	PB168722BS	PB168722BS	BF143029.D	08 Jul 2025 12:55		RC/JU	Ok,M
7	Q2514-07	TP-36	BF143030.D	08 Jul 2025 13:31		RC/JU	Ok
8	Q2514-08	TP-78	BF143031.D	08 Jul 2025 14:02		RC/JU	Ok
9	Q2514-08MS	TP-78MS	BF143032.D	08 Jul 2025 14:32		RC/JU	Ok,M
10	Q2514-08MSD	TP-78MSD	BF143033.D	08 Jul 2025 15:03		RC/JU	Ok,M
11	Q2515-01	wc-1	BF143034.D	08 Jul 2025 15:34		RC/JU	Ok
12	Q2514-09	TP-81	BF143035.D	08 Jul 2025 16:05		RC/JU	Ok
13	Q2514-03	TP-94	BF143036.D	08 Jul 2025 16:36		RC/JU	Ok
14	Q2514-01	TP-92	BF143037.D	08 Jul 2025 17:07		RC/JU	Ok
15	Q2514-05	TP-97	BF143038.D	08 Jul 2025 17:37		RC/JU	Ok,M
16	Q2489-01	G4(0-6)	BF143039.D	08 Jul 2025 18:08		RC/JU	Ok
17	Q2489-02	G4(6-12)	BF143040.D	08 Jul 2025 18:39		RC/JU	Ok
18	Q2493-04	WC-11	BF143041.D	08 Jul 2025 19:10		RC/JU	Ok

Instrument ID: BNA_F

Daily Analysis Runlog For Sequence/QC Batch ID # BF070825

Review By	Rahul	Review On	7/9/2025 9:47:19 AM		
Supervise By	Jagrut	Supervise On	7/9/2025 2:16:38 PM		
SubDirectory	BF070825	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	S12673,10ul/1000ul sample				
ICV/I.BLK	SP6770				
Surrogate Standard					
MS/MSD Standard					
LCS Standard					

19	Q2484-01DL	TP-58DL	BF143042.D	08 Jul 2025 19:41		RC/JU	Ok,M
20	Q2473-01DL	PIT#1DL	BF143043.D	08 Jul 2025 20:12	Parameter list not updated on login page	RC/JU	Ok,M
21	Q2514-06	TP-103	BF143044.D	08 Jul 2025 20:42		RC/JU	Ok
22	Q2514-10	TP-90	BF143045.D	08 Jul 2025 21:12		RC/JU	Ok,M
23	Q2514-04	TP-96	BF143046.D	08 Jul 2025 21:42		RC/JU	Ok,M

M : Manual Integration

PERCENT SOLID

Supervisor: Iwona
Analyst: jignesh
Date: 7/3/2025

OVENTEMP IN Celsius(°C): 107
Time IN: 17:35
In Date: 07/02/2025
Weight Check 1.0g: 1.00
Weight Check 10g: 10.00
OvenID: M OVEN#1

OVENTEMP OUT Celsius(°C): 104
Time OUT: 08:22
Out Date: 07/03/2025
Weight Check 1.0g: 1.00
Weight Check 10g: 10.00
BalanceID: M SC-4
Thermometer ID: % SOLID-OVEN

QC:LB136354

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
Q2480-01	GPX1	1	1.15	10.52	11.67	10.44	88.3	
Q2480-02	GPX2	2	1.19	10.60	11.79	10.66	89.3	
Q2480-03	GPX3	3	1.15	10.84	11.99	10.77	88.7	
Q2480-04	GPX4	4	1.13	10.84	11.97	10.66	87.9	
Q2480-05	GPX5	5	1.13	10.53	11.66	10.55	89.5	
Q2480-06	GPX6	6	1.17	10.56	11.73	10.35	86.9	
Q2480-07	GPX7	7	1.18	10.59	11.77	10.48	87.8	
Q2480-08	GPX8	8	1.18	10.37	11.55	10.22	87.2	
Q2484-01	TP-58	9	1.19	10.77	11.96	10.47	86.2	
Q2484-02	TP-57	10	1.18	10.22	11.4	9.97	86.0	
Q2484-03	TP-64	11	1.16	10.50	11.66	10.44	88.4	
Q2484-04	TP-107	12	1.13	10.69	11.82	10.09	83.8	
Q2484-05	TP-1006	13	1.14	10.48	11.62	10.35	87.9	
Q2484-06	TP-104	14	1.15	10.29	11.44	10.13	87.3	
Q2486-01	WASTE	15	1.16	10.31	11.47	9.77	83.5	
Q2486-02	VOC	16	1.18	11.32	12.5	10.65	83.7	
Q2486-03	1	17	1.15	10.80	11.95	10.24	84.2	
Q2486-04	2	18	1.13	10.46	11.59	9.74	82.3	
Q2486-05	3	19	1.13	10.78	11.91	10.12	83.4	
Q2486-06	4	20	1.19	10.00	11.19	9.65	84.6	
Q2486-07	5	21	1.19	10.26	11.45	8.79	74.1	
Q2491-01	EO-1-070225	22	1.19	10.51	11.7	10.9	92.4	
Q2491-02	EO-1-070225-E2	23	1.15	10.14	11.29	10.5	92.2	
Q2492-01	VNJ-254-1	24	1.00	1.00	2.00	2.00	100.0	WIPE SAMPLE
Q2492-02	VNJ-254-2	25	1.00	1.00	2.00	2.00	100.0	WIPE SAMPLE
Q2493-01	WC-11	26	1.13	10.45	11.58	10.4	88.7	
Q2493-02	WC-11-EPH	27	1.19	10.23	11.42	9.72	83.4	
Q2493-03	WC-11-VOC	28	1.14	9.89	11.03	10.2	91.6	

PERCENT SOLID

Supervisor: Iwona
Analyst: jignesh
Date: 7/3/2025

OVENTEMP IN Celsius(°C): 107
Time IN: 17:35
In Date: 07/02/2025
Weight Check 1.0g: 1.00
Weight Check 10g: 10.00
OvenID: M OVEN#1

OVENTEMP OUT Celsius(°C): 104
Time OUT: 08:22
Out Date: 07/03/2025
Weight Check 1.0g: 1.00
Weight Check 10g: 10.00
BalanceID: M SC-4
Thermometer ID: % SOLID-OVEN

QC:LB136354

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
Q2494-01	Playhouse/Storag	35	1.00	1.00	2.00	2.00	100.0	Caulk sample
Q2494-02	Playhouse/Storag	36	1.00	1.00	2.00	2.00	100.0	chair form
Q2494-03	Garage Seat Foa	37	1.00	1.00	2.00	2.00	100.0	seat form
Q2494-04	Black foam in Sou	38	1.00	1.00	2.00	2.00	100.0	black form
Q2494-05	Kids Room styof	39	1.00	1.00	2.00	2.00	100.0	yellow form
Q2494-06	Kids Room Lower	40	1.00	1.00	2.00	2.00	100.0	form
Q2494-07	Kids Room styof	41	1.00	1.00	2.00	2.00	100.0	styra form
Q2494-08	Dog Beg Foam	42	1.00	1.00	2.00	2.00	100.0	bag form
Q2494-09	Cotton Layer - Ott	43	1.00	1.00	2.00	2.00	100.0	cotton layer
Q2494-10	Foam Ottoman	44	1.00	1.00	2.00	2.00	100.0	form ottoman
Q2494-11	Foyer North Wall	45	1.00	1.00	2.00	2.00	100.0	foyer north wall plug
Q2494-12	NE Stucco Exterio	46	1.00	1.00	2.00	2.00	100.0	stucco exterior
Q2494-13	Master Mattress	47	1.00	1.00	2.00	2.00	100.0	mattress
Q2495-01	Chair Foam Parke	48	1.00	1.00	2.00	2.00	100.0	chair form
Q2495-02	SE Bedroom (3rd	49	1.00	1.00	2.00	2.00	100.0	mattress
Q2495-03	E Bedroom Ceilin	50	1.00	1.00	2.00	2.00	100.0	ceiling plug
Q2495-04	South East Ceilining	51	1.00	1.00	2.00	2.00	100.0	east selling plug
Q2495-05	Master Bathroom	52	1.00	1.00	2.00	2.00	100.0	selling plug
Q2495-06	3rd Fl Hallway N	53	1.00	1.00	2.00	2.00	100.0	hoalway selling
Q2495-07	SE Bedroom Park	54	1.00	1.00	2.00	2.00	100.0	bedrom plug
Q2495-08	Family Room SW	55	1.00	1.00	2.00	2.00	100.0	family plug
Q2495-09	Foyer SE Corner P	56	1.00	1.00	2.00	2.00	100.0	foyer plug
Q2495-10	Green Carpet Pad	57	1.00	1.00	2.00	2.00	100.0	green carpet pad
Q2495-11	Rug in Dining Roo	58	1.00	1.00	2.00	2.00	100.0	rug
Q2495-12	LR Couch Cushion	59	1.00	1.00	2.00	2.00	100.0	couch cushion
Q2495-13	Dining Room W	60	1.00	1.00	2.00	2.00	100.0	wood and foam
Q2495-14	Kitchen Dining E	61	1.00	1.00	2.00	2.00	100.0	kithean rug
Q2495-15	Garage Southwes	62	1.00	1.00	2.00	2.00	100.0	plug

PERCENT SOLID

Supervisor: Iwona
Analyst: jignesh
Date: 7/3/2025

OVENTEMP IN Celsius(°C): 107
Time IN: 17:35
In Date: 07/02/2025
Weight Check 1.0g: 1.00
Weight Check 10g: 10.00
OvenID: M OVEN#1

OVENTEMP OUT Celsius(°C): 104
Time OUT: 08:22
Out Date: 07/03/2025
Weight Check 1.0g: 1.00
Weight Check 10g: 10.00
BalanceID: M SC-4
Thermometer ID: % SOLID-OVEN

QC:LB136354

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
Q2495-16	Zack"s Matterss	63	1.00	1.00	2.00	2.00	100.0	mattess
Q2495-17	Zack"s Couch	64	1.00	1.00	2.00	2.00	100.0	zacks couch
Q2496-02	N exterior center	65	1.00	1.00	2.00	2.00	100.0	stucco wall
Q2496-03	Basement south	66	1.00	1.00	2.00	2.00	100.0	wall cavity stucc
Q2496-04	Entertainment ro	67	1.00	1.00	2.00	2.00	100.0	hvac close
Q2496-05	Black mat outside	68	1.00	1.00	2.00	2.00	100.0	outside mat
Q2496-06	Basement bedroom	69	1.00	1.00	2.00	2.00	100.0	bedrom form
Q2496-07	Basement bedroom-1	70	1.00	1.00	2.00	2.00	100.0	window plug
Q2496-08	Basement bedroom-2	71	1.00	1.00	2.00	2.00	100.0	window plug
Q2496-09	Maeve"s room ma	72	1.00	1.00	2.00	2.00	100.0	mattess
Q2496-10	Master bedroom	73	1.00	1.00	2.00	2.00	100.0	rug
Q2496-11	Master bedroom-1	74	1.00	1.00	2.00	2.00	100.0	chair form
Q2496-12	Master bedroom-2	75	1.00	1.00	2.00	2.00	100.0	mattess form
Q2496-13	Master bedroom-3	76	1.00	1.00	2.00	2.00	100.0	office chair form
Q2496-14	SE bedroom brow	77	1.00	1.00	2.00	2.00	100.0	form
Q2496-15	SE bedroom gray	78	1.00	1.00	2.00	2.00	100.0	gray cushion
Q2496-16	Maeves room gre	79	1.00	1.00	2.00	2.00	100.0	chair form
Q2496-17	Master bedroom-4	80	1.00	1.00	2.00	2.00	100.0	plug
Q2496-18	3rd floor roof ent	81	1.00	1.00	2.00	2.00	100.0	plug
Q2496-19	Living room couc	82	1.00	1.00	2.00	2.00	100.0	couch form
Q2496-20	Living room 2 sea	83	1.00	1.00	2.00	2.00	100.0	form
Q2496-21	Office leather cha	84	1.00	1.00	2.00	2.00	100.0	form
Q2496-22	Pink shoe sole	85	1.00	1.00	2.00	2.00	100.0	shoe sole
Q2496-23	Living room rug S	86	1.00	1.00	2.00	2.00	100.0	rug
Q2496-24	Dining room NE c	87	1.00	1.00	2.00	2.00	100.0	plug
Q2497-01	SW bedroom (San	88	1.00	1.00	2.00	2.00	100.0	plug
Q2497-02	Salman s room SE	89	1.00	1.00	2.00	2.00	100.0	plug compossi
Q2497-03	Sanah s room bed	90	1.00	1.00	2.00	2.00	100.0	sanah form

PERCENT SOLID

Supervisor: Iwona
Analyst: jignesh
Date: 7/3/2025

OVENTEMP IN Celsius(°C): 107
Time IN: 17:35
In Date: 07/02/2025
Weight Check 1.0g: 1.00
Weight Check 10g: 10.00
OvenID: M OVEN#1

OVENTEMP OUT Celsius(°C): 104
Time OUT: 08:22
Out Date: 07/03/2025
Weight Check 1.0g: 1.00
Weight Check 10g: 10.00
BalanceID: M SC-4
Thermometer ID: % SOLID-OVEN

QC:LB136354

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
Q2497-04	Salman s room m	91	1.00	1.00	2.00	2.00	100.0	mattess form
Q2497-05	Master bed mattr	92	1.00	1.00	2.00	2.00	100.0	mattess
Q2497-06	Kaihaan s room m	93	1.00	1.00	2.00	2.00	100.0	form
Q2497-07	Garage foam yog	94	1.00	1.00	2.00	2.00	100.0	garage foam
Q2497-08	Living room west	95	1.00	1.00	2.00	2.00	100.0	form
Q2497-09	Entrance rug	96	1.00	1.00	2.00	2.00	100.0	rug
Q2497-10	south exterior re	97	1.00	1.00	2.00	2.00	100.0	form
Q2497-11	Garage gym floor	98	1.00	1.00	2.00	2.00	100.0	garage foam
Q2497-12	Rug by the back d	99	1.00	1.00	2.00	2.00	100.0	rug
Q2497-13	Guest bed mattre	100	1.00	1.00	2.00	2.00	100.0	mattess
Q2497-14	Garage backyard	101	1.00	1.00	2.00	2.00	100.0	garage foam
Q2497-15	LR SW conner chai	102	1.00	1.00	2.00	2.00	100.0	form
Q2497-16	Living room NE co	103	1.00	1.00	2.00	2.00	100.0	catters
Q2497-17	Dining room SW c	104	1.00	1.00	2.00	2.00	100.0	chair form
Q2497-18	LR SW rug corner	105	1.00	1.00	2.00	2.00	100.0	rug
Q2497-19	LR west wall plug	106	1.00	1.00	2.00	2.00	100.0	plug
Q2497-20	LR NE corner plug	107	1.00	1.00	2.00	2.00	100.0	plug
Q2497-21	office east wall pl	108	1.00	1.00	2.00	2.00	100.0	plug
Q2497-22	Bedroom north w	109	1.00	1.00	2.00	2.00	100.0	plug
Q2497-23	Kitchen ceiling pl	110	1.00	1.00	2.00	2.00	100.0	celling plug
Q2498-01	NE Bd bed foam	111	1.00	1.00	2.00	2.00	100.0	bedrom form
Q2498-02	NE Bd pillow foa	112	1.00	1.00	2.00	2.00	100.0	form
Q2498-03	Master bed NE m	113	1.00	1.00	2.00	2.00	100.0	mattess
Q2500-01	X600-B2	29	1.15	10.84	11.99	11.24	93.1	
Q2500-02	X600-S2	30	1.19	10.36	11.55	10.6	90.8	
Q2500-03	X600-B1	31	1.13	10.42	11.55	11.02	94.9	
Q2500-04	X600-S1	32	1.13	10.32	11.45	10.6	91.8	
Q2500-05	X600-DUP1	33	1.14	10.85	11.99	11.3	93.6	



PERCENT SOLID

Supervisor: Iwona
Analyst: jignesh
Date: 7/3/2025

OVENTEMP IN Celsius(°C): 107
Time IN: 17:35
In Date: 07/02/2025
Weight Check 1.0g: 1.00
Weight Check 10g: 10.00
OvenID: M OVEN#1

OVENTEMP OUT Celsius(°C): 104
Time OUT: 08:22
Out Date: 07/03/2025
Weight Check 1.0g: 1.00
Weight Check 10g: 10.00
BalanceID: M SC-4
Thermometer ID: % SOLID-OVEN

QC:LB136354

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
Q2500-06	X600-S3	34	1.11	10.71	11.82	11.18	94.0	

$$\% \text{ Solid} = \frac{(C-A) * 100}{(B-A)}$$

WORKLIST(Hardcopy Internal Chain)

136354

WorkList Name : %1-070225

WorkList ID : 190499

Department : Wet-Chemistry

Date : 07-02-2025 08:07:58

Sample	Customer Sample	Matrix	Test	Preservative	Customer	Raw Sample Storage Location	Collect Date	Method
Q2480-01	GPX1	Solid	Percent Solids	Cool 4 deg C	GENV01	A43	06/30/2025	Chemtech -SO
Q2480-02	GPX2	Solid	Percent Solids	Cool 4 deg C	GENV01	A43	06/30/2025	Chemtech -SO
Q2480-03	GPX3	Solid	Percent Solids	Cool 4 deg C	GENV01	A43	07/01/2025	Chemtech -SO
Q2480-04	GPX4	Solid	Percent Solids	Cool 4 deg C	GENV01	A43	07/01/2025	Chemtech -SO
Q2480-05	GPX5	Solid	Percent Solids	Cool 4 deg C	GENV01	A43	07/01/2025	Chemtech -SO
Q2480-06	GPX6	Solid	Percent Solids	Cool 4 deg C	GENV01	A43	07/01/2025	Chemtech -SO
Q2480-07	GPX7	Solid	Percent Solids	Cool 4 deg C	GENV01	A43	07/01/2025	Chemtech -SO
Q2480-08	GPX8	Solid	Percent Solids	Cool 4 deg C	GENV01	A43	07/01/2025	Chemtech -SO
Q2484-01	TP-58	Solid	Percent Solids	Cool 4 deg C	CAMP02	A12	07/01/2025	Chemtech -SO
Q2484-02	TP-57	Solid	Percent Solids	Cool 4 deg C	CAMP02	A12	07/01/2025	Chemtech -SO
Q2484-03	TP-64	Solid	Percent Solids	Cool 4 deg C	CAMP02	A12	07/01/2025	Chemtech -SO
Q2484-04	TP-107	Solid	Percent Solids	Cool 4 deg C	CAMP02	A12	07/01/2025	Chemtech -SO
Q2484-05	TP-1008	Solid	Percent Solids	Cool 4 deg C	CAMP02	A12	07/01/2025	Chemtech -SO
Q2484-06	TP-104	Solid	Percent Solids	Cool 4 deg C	CAMP02	A12	07/01/2025	Chemtech -SO
Q2486-01	WASTE	Solid	Percent Solids	Cool 4 deg C	SCIA01	A61	07/01/2025	Chemtech -SO
Q2486-02	VOC	Solid	Percent Solids	Cool 4 deg C	SCIA01	A61	07/01/2025	Chemtech -SO
Q2486-03	1	Solid	Percent Solids	Cool 4 deg C	SCIA01	A61	07/01/2025	Chemtech -SO
Q2486-04	2	Solid	Percent Solids	Cool 4 deg C	SCIA01	A61	07/01/2025	Chemtech -SO
Q2486-05	3	Solid	Percent Solids	Cool 4 deg C	SCIA01	A61	07/01/2025	Chemtech -SO
Q2486-06	4	Solid	Percent Solids	Cool 4 deg C	SCIA01	A61	07/01/2025	Chemtech -SO
Q2486-07	5	Solid	Percent Solids	Cool 4 deg C	SCIA01	A61	07/01/2025	Chemtech -SO

Date/Time 07/02/25 15:00

Raw Sample Received by: 8690C

Raw Sample Relinquished by: 8690C

Date/Time 07/02/25

Raw Sample Received by:

Raw Sample Relinquished by:

WORKLIST(Hardcopy Internal Chain)

136354

WorkList Name : %1-070225

WorkList ID : 190499

Department : Wet-Chemistry

Date : 07-02-2025 08:07:58

Sample	Customer Sample	Matrix	Test	Preservative	Customer	Raw Sample Storage Location	Collect Date	Method
Q2491-01	EO-1-070225	Solid	Percent Solids	Cool 4 deg C	PSEG03	A61	07/02/2025	Chemtech -SO
Q2491-02	EO-1-070225-E2	Solid	Percent Solids	Cool 4 deg C	PSEG03	A61	07/02/2025	Chemtech -SO
Q2492-01	VNJ-254-1	Solid	Percent Solids	Cool 4 deg C	PSEG03	A61	07/02/2025	Chemtech -SO
Q2492-02	VNJ-254-2	Solid	Percent Solids	Cool 4 deg C	PSEG03	A61	07/02/2025	Chemtech -SO
Q2493-01	WC-11	Solid	Percent Solids	Cool 4 deg C	PSEG03	A43	07/02/2025	Chemtech -SO
Q2493-02	WC-11-EPH	Solid	Percent Solids	Cool 4 deg C	PSEG03	A43	07/02/2025	Chemtech -SO
Q2493-03	WC-11-VOC	Solid	Percent Solids	Cool 4 deg C	PSEG03	A43	07/02/2025	Chemtech -SO
Q2494-01	Playhouse/Storage	Solid	Percent Solids	Cool 4 deg C	SUMM04	A61	06/25/2025	Chemtech -SO
Q2494-02	Playhouse/Storage	Solid	Percent Solids	Cool 4 deg C	SUMM04	A61	06/25/2025	Chemtech -SO
Q2494-03	Garage Seat Foa	Solid	Percent Solids	Cool 4 deg C	SUMM04	A61	06/25/2025	Chemtech -SO
Q2494-04	Black foam in Sou	Solid	Percent Solids	Cool 4 deg C	SUMM04	A61	06/25/2025	Chemtech -SO
Q2494-05	Kids Room styof	Solid	Percent Solids	Cool 4 deg C	SUMM04	A61	06/25/2025	Chemtech -SO
Q2494-06	Kids Room Lower	Solid	Percent Solids	Cool 4 deg C	SUMM04	A61	06/25/2025	Chemtech -SO
Q2494-07	Kids Room styof	Solid	Percent Solids	Cool 4 deg C	SUMM04	A61	06/25/2025	Chemtech -SO
Q2494-08	Dog Beg Foam	Solid	Percent Solids	Cool 4 deg C	SUMM04	A61	06/25/2025	Chemtech -SO
Q2494-09	Cotton Layer - Ott	Solid	Percent Solids	Cool 4 deg C	SUMM04	A61	06/25/2025	Chemtech -SO
Q2494-10	Foam Ottoman	Solid	Percent Solids	Cool 4 deg C	SUMM04	A61	06/25/2025	Chemtech -SO
Q2494-11	Foyer North Wall	Solid	Percent Solids	Cool 4 deg C	SUMM04	A61	06/25/2025	Chemtech -SO
Q2494-12	NE Stucco Exterio	Solid	Percent Solids	Cool 4 deg C	SUMM04	A61	06/25/2025	Chemtech -SO
Q2494-13	Master Mattress	Solid	Percent Solids	Cool 4 deg C	SUMM04	A61	06/25/2025	Chemtech -SO
Q2495-01	Chair Foam Parke	Solid	Percent Solids	Cool 4 deg C	SUMM04	A53	06/11/2025	Chemtech -SO

Date/Time 07/02/25 15:00
 Raw Sample Received by: [Signature]
 Raw Sample Relinquished by: [Signature]

Date/Time 07/02/25 17:13
 Raw Sample Received by: [Signature]
 Raw Sample Relinquished by: [Signature]

WORKLIST(Hardcopy Internal Chain)

136354

WorkList Name : %1-070225

WorkList ID : 190499

Department : Wet-Chemistry

Date : 07-02-2025 08:07:58

Sample	Customer Sample	Matrix	Test	Preservative	Customer	Raw Sample Storage Location	Collect Date	Method
Q2495-02	SE Bedroom (3rd	Solid	Percent Solids	Cool 4 deg C	SUMM04	A53	06/11/2025	Chemtech -SO
Q2495-03	E Bedroom Ceilin	Solid	Percent Solids	Cool 4 deg C	SUMM04	A53	06/11/2025	Chemtech -SO
Q2495-04	South East Ceiling	Solid	Percent Solids	Cool 4 deg C	SUMM04	A53	06/11/2025	Chemtech -SO
Q2495-05	Master Bathroom	Solid	Percent Solids	Cool 4 deg C	SUMM04	A53	06/11/2025	Chemtech -SO
Q2495-06	3rd Fl Hallway N	Solid	Percent Solids	Cool 4 deg C	SUMM04	A53	06/11/2025	Chemtech -SO
Q2495-07	SE Bedroom Park	Solid	Percent Solids	Cool 4 deg C	SUMM04	A53	06/11/2025	Chemtech -SO
Q2495-08	Family Room SW	Solid	Percent Solids	Cool 4 deg C	SUMM04	A53	06/11/2025	Chemtech -SO
Q2495-09	Foyer SE Corner P	Solid	Percent Solids	Cool 4 deg C	SUMM04	A53	06/11/2025	Chemtech -SO
Q2495-10	Green Carpet Pad	Solid	Percent Solids	Cool 4 deg C	SUMM04	A53	06/11/2025	Chemtech -SO
Q2495-11	Rug in Dining Roo	Solid	Percent Solids	Cool 4 deg C	SUMM04	A53	06/11/2025	Chemtech -SO
Q2495-12	LR Couch Cushion	Solid	Percent Solids	Cool 4 deg C	SUMM04	A53	06/11/2025	Chemtech -SO
Q2495-13	Dining Room W	Solid	Percent Solids	Cool 4 deg C	SUMM04	A53	06/11/2025	Chemtech -SO
Q2495-14	Kitchen Dining E	Solid	Percent Solids	Cool 4 deg C	SUMM04	A53	06/11/2025	Chemtech -SO
Q2495-15	Garage Southwes	Solid	Percent Solids	Cool 4 deg C	SUMM04	A53	06/11/2025	Chemtech -SO
Q2495-16	Zack's Matterss	Solid	Percent Solids	Cool 4 deg C	SUMM04	A53	06/11/2025	Chemtech -SO
Q2495-17	Zack's Couch	Solid	Percent Solids	Cool 4 deg C	SUMM04	A53	06/11/2025	Chemtech -SO
Q2496-02	N exterior center	Solid	Percent Solids	Cool 4 deg C	SUMM04	A53	06/11/2025	Chemtech -SO
Q2496-03	Basement south	Solid	Percent Solids	Cool 4 deg C	SUMM04	A61	06/14/2025	Chemtech -SO
Q2496-04	Entertainment ro	Solid	Percent Solids	Cool 4 deg C	SUMM04	A61	06/14/2025	Chemtech -SO
Q2496-05	Black mat outside	Solid	Percent Solids	Cool 4 deg C	SUMM04	A61	06/14/2025	Chemtech -SO
Q2496-06	Basement bedroom	Solid	Percent Solids	Cool 4 deg C	SUMM04	A61	06/14/2025	Chemtech -SO

Date/Time 07/02/25 15:00

Raw Sample Received by: [Signature]

Raw Sample Relinquished by: [Signature]

Date/Time 07/02/25

Raw Sample Received by: [Signature]

WORKLIST(Hardcopy Internal Chain)

136354

WorkList Name : %1-070225

WorkList ID : 190499

Department : Wet-Chemistry

Date : 07-02-2025 08:07:58

Sample	Customer Sample	Matrix	Test	Preservative	Customer	Raw Sample Storage Location	Collect Date	Method
Q2496-07	Basement bedroom-1	Solid	Percent Solids	Cool 4 deg C	SUMM04	A61	06/14/2025	Chemtech -SO
Q2496-08	Basement bedroom-2	Solid	Percent Solids	Cool 4 deg C	SUMM04	A61	06/14/2025	Chemtech -SO
Q2496-09	Maeve's room ma	Solid	Percent Solids	Cool 4 deg C	SUMM04	A61	06/14/2025	Chemtech -SO
Q2496-10	Master bedroom	Solid	Percent Solids	Cool 4 deg C	SUMM04	A61	06/14/2025	Chemtech -SO
Q2496-11	Master bedroom-1	Solid	Percent Solids	Cool 4 deg C	SUMM04	A61	06/14/2025	Chemtech -SO
Q2496-12	Master bedroom-2	Solid	Percent Solids	Cool 4 deg C	SUMM04	A61	06/14/2025	Chemtech -SO
Q2496-13	Master bedroom-3	Solid	Percent Solids	Cool 4 deg C	SUMM04	A61	06/14/2025	Chemtech -SO
Q2496-14	SE bedroom brow	Solid	Percent Solids	Cool 4 deg C	SUMM04	A61	06/14/2025	Chemtech -SO
Q2496-15	SE bedroom gray	Solid	Percent Solids	Cool 4 deg C	SUMM04	A61	06/14/2025	Chemtech -SO
Q2496-16	Maeves room gre	Solid	Percent Solids	Cool 4 deg C	SUMM04	A61	06/14/2025	Chemtech -SO
Q2496-17	Master bedroom-4	Solid	Percent Solids	Cool 4 deg C	SUMM04	A61	06/14/2025	Chemtech -SO
Q2496-18	3rd floor roof ent	Solid	Percent Solids	Cool 4 deg C	SUMM04	A61	06/14/2025	Chemtech -SO
Q2496-19	Living room couc	Solid	Percent Solids	Cool 4 deg C	SUMM04	A61	06/14/2025	Chemtech -SO
Q2496-20	Living room 2 sea	Solid	Percent Solids	Cool 4 deg C	SUMM04	A61	06/14/2025	Chemtech -SO
Q2496-21	Office leather cha	Solid	Percent Solids	Cool 4 deg C	SUMM04	A61	06/14/2025	Chemtech -SO
Q2496-22	Pink shoe sole	Solid	Percent Solids	Cool 4 deg C	SUMM04	A61	06/14/2025	Chemtech -SO
Q2496-23	Living room rug S	Solid	Percent Solids	Cool 4 deg C	SUMM04	A61	06/14/2025	Chemtech -SO
Q2496-24	Dining room NE c	Solid	Percent Solids	Cool 4 deg C	SUMM04	A61	06/14/2025	Chemtech -SO
Q2497-01	SW bedroom (San	Solid	Percent Solids	Cool 4 deg C	SUMM04	A61	06/14/2025	Chemtech -SO
Q2497-02	Salman s room SE	Solid	Percent Solids	Cool 4 deg C	SUMM04	A61	06/15/2025	Chemtech -SO
Q2497-03	Sanah s room bed	Solid	Percent Solids	Cool 4 deg C	SUMM04	A61	06/15/2025	Chemtech -SO

Date/Time 07/02/25 15:00
 Raw Sample Received by: [Signature]
 Raw Sample Relinquished by: [Signature]

Date/Time 07/02/25 17:35
 Raw Sample Received by: [Signature]
 Raw Sample Relinquished by: [Signature]

WORKLIST(Hardcopy Internal Chain)

NR136354

WorkList Name : %1-070225

WorkList ID : 190499

Department : Wet-Chemistry

Date : 07-02-2025 08:07:58

Sample	Customer Sample	Matrix	Test	Preservative	Customer	Raw Sample Storage Location	Collect Date	Method
Q2497-04	Salman s room m	Solid	Percent Solids	Cool 4 deg C	SUMM04	A61	06/15/2025	Chemtech -SO
Q2497-05	Master bed matr	Solid	Percent Solids	Cool 4 deg C	SUMM04	A61	06/15/2025	Chemtech -SO
Q2497-06	Kaihaan s room m	Solid	Percent Solids	Cool 4 deg C	SUMM04	A61	06/15/2025	Chemtech -SO
Q2497-07	Garage foam yog	Solid	Percent Solids	Cool 4 deg C	SUMM04	A61	06/15/2025	Chemtech -SO
Q2497-08	Living room west	Solid	Percent Solids	Cool 4 deg C	SUMM04	A61	06/15/2025	Chemtech -SO
Q2497-09	Entrance rug	Solid	Percent Solids	Cool 4 deg C	SUMM04	A61	06/15/2025	Chemtech -SO
Q2497-10	south exterior re	Solid	Percent Solids	Cool 4 deg C	SUMM04	A61	06/15/2025	Chemtech -SO
Q2497-11	Garage gym floor	Solid	Percent Solids	Cool 4 deg C	SUMM04	A61	06/15/2025	Chemtech -SO
Q2497-12	Rug by the back d	Solid	Percent Solids	Cool 4 deg C	SUMM04	A61	06/15/2025	Chemtech -SO
Q2497-13	Guest bed matre	Solid	Percent Solids	Cool 4 deg C	SUMM04	A61	06/15/2025	Chemtech -SO
Q2497-14	Garage backyard	Solid	Percent Solids	Cool 4 deg C	SUMM04	A61	06/13/2025	Chemtech -SO
Q2497-15	LR SW conner chai	Solid	Percent Solids	Cool 4 deg C	SUMM04	A61	06/13/2025	Chemtech -SO
Q2497-16	Living room NE co	Solid	Percent Solids	Cool 4 deg C	SUMM04	A61	06/13/2025	Chemtech -SO
Q2497-17	Dining room SW c	Solid	Percent Solids	Cool 4 deg C	SUMM04	A61	06/13/2025	Chemtech -SO
Q2497-18	LR SW rug corner	Solid	Percent Solids	Cool 4 deg C	SUMM04	A61	06/13/2025	Chemtech -SO
Q2497-19	LR west wall plug	Solid	Percent Solids	Cool 4 deg C	SUMM04	A61	06/13/2025	Chemtech -SO
Q2497-20	LR NE corner plug	Solid	Percent Solids	Cool 4 deg C	SUMM04	A61	06/13/2025	Chemtech -SO
Q2497-21	office east wall pl	Solid	Percent Solids	Cool 4 deg C	SUMM04	A61	06/13/2025	Chemtech -SO
Q2497-22	Bedroom north w	Solid	Percent Solids	Cool 4 deg C	SUMM04	A61	06/13/2025	Chemtech -SO
Q2497-23	Kitchen ceiling pl	Solid	Percent Solids	Cool 4 deg C	SUMM04	A61	06/13/2025	Chemtech -SO
Q2498-01	NE Bd bed foam	Solid	Percent Solids	Cool 4 deg C	SUMM04	A61	06/20/2025	Chemtech -SO

Date/Time 07/02/25 15:00
 Raw Sample Received by: SR WWC
 Raw Sample Relinquished by: [Signature] SH

Date/Time 07/02/25 17:35
 Raw Sample Received by: [Signature] SH
 Raw Sample Relinquished by: SR WWC

WORKLIST(Hardcopy Internal Chain)

136354

WorkList Name : %1-070225

WorkList ID : 190499

Department : Wet-Chemistry

Date : 07-02-2025 08:07:58

Sample	Customer Sample	Matrix	Test	Preservative	Customer	Raw Sample Storage Location	Collect Date	Method
Q2498-02	NE Bd pillow foa	Solid	Percent Solids	Cool 4 deg C	SUMM04	A61	06/20/2025	Chemtech -SO
Q2498-03	Master bed NE m	Solid	Percent Solids	Cool 4 deg C	SUMM04	A61	06/20/2025	Chemtech -SO
Q2500-01	X600-B2	Solid	Percent Solids	Cool 4 deg C	ATCE02	A52	07/02/2025	Chemtech -SO
Q2500-02	X600-S2	Solid	Percent Solids	Cool 4 deg C	ATCE02	A52	07/02/2025	Chemtech -SO
Q2500-03	X600-B1	Solid	Percent Solids	Cool 4 deg C	ATCE02	A52	07/02/2025	Chemtech -SO
Q2500-04	X600-S1	Solid	Percent Solids	Cool 4 deg C	ATCE02	A52	07/02/2025	Chemtech -SO
Q2500-05	X600-DUP1	Solid	Percent Solids	Cool 4 deg C	ATCE02	A52	07/02/2025	Chemtech -SO
Q2500-06	X600-S3	Solid	Percent Solids	Cool 4 deg C	ATCE02	A52	07/02/2025	Chemtech -SO

Date/Time 07/02/25 15:00
 Raw Sample Received by: [Signature]
 Raw Sample Relinquished by: [Signature]

Date/Time 07/02/25 17:35
 Raw Sample Received by: [Signature]
 Raw Sample Relinquished by: [Signature]

SOP ID: M3541-ASE Extraction-14

Clean Up SOP #: N/A

Matrix : Solid

Weigh By: EH

Balance check: RJ

Balance ID: EX-SC-2

pH Strip Lot#: N/A

Extraction By: RJ

Filter By: RJ

pH Meter ID: N/A

Hood ID: 3,7

Extraction Start Date : 07/02/2025

Extraction Start Time : 08:55

Extraction End Date : 07/02/2025

Extraction End Time : 15:15

Concentration By: EH

Supervisor By : RUPESH

Extraction Method: ☐ Separatory Funnel ☐ Continuous Liquid/Liquid ☐ Sonication ☐ Waste Dilution ☒ Soxhlet

Standard Name	MLS USED	Concentration ug/mL	STD REF. # FROM LOG
Spike Sol 1	1.0ML	50/100 PPM	SP6849
Surrogate	1.0ML	100/150 PPM	SP6754
N/A	N/A	N/A	N/A
N/A	N/A	N/A	N/A
N/A	N/A	N/A	N/A

Chemical Used	ML/SAMPLE USED	Lot Number
MeCl2/Acetone/1:1	N/A	EP2612
Baked Na2SO4	N/A	EP2624
Sand	N/A	E2865
Methylene Chloride	N/A	E3943
N/A	N/A	N/A
N/A	N/A	N/A
N/A	N/A	N/A
N/A	N/A	N/A
N/A	N/A	N/A
N/A	N/A	N/A
N/A	N/A	N/A
N/A	N/A	N/A
N/A	N/A	N/A
N/A	N/A	N/A
N/A	N/A	N/A

Extraction Conformance/Non-Conformance Comments:

1.5ML Vail Lot # 2210443, Q2484 all samples added in batch at 11:58 AM.

KD Bath ID: N/A

Envap ID: NEVAP-02

KD Bath Temperature: N/A

Envap Temperature: 40 °C

Date / Time	Prepped Sample Relinquished By/Location	Received By/Location
7/2/25	RS (Ext Lab)	Rc/groc
15:20	Preparation Group	Analysis Group

Analytical Method: M3541-ASE Extraction-14

Concentration Date: 07/02/2025

Sample ID	Client Sample ID	Test	g/mL	PH	Surr/Spike By:		Final Vol. (mL)	JarID	Comments	Prep Pos
					AddedBy	VerifiedBy				
PB168694BL	SBLK694	SVOC-TCL BNA -20	30.01	N/A	ritesh	Evelyn	1			U6-1
PB168694BS	SLCS694	SVOC-TCL BNA -20	30.03	N/A	ritesh	Evelyn	1			2
Q2472-01	PN#1	SVOC-PAH	50.07	N/A	ritesh	Evelyn	1	D	Concrete	3
Q2473-01	PIT#1	SVOC-Chemtec TCL BNA h-Full -20	30.04	N/A	ritesh	Evelyn	1	E		4
Q2473-02	PIT#2	SVOC-Chemtec TCL BNA h-Full -20	30.08	N/A	ritesh	Evelyn	1	E		5
Q2473-03	PIT#3	SVOC-Chemtec TCL BNA h-Full -20	30.10	N/A	ritesh	Evelyn	1	E		6
Q2473-04	PIT#4	SVOC-Chemtec TCL BNA h-Full -20	30.05	N/A	ritesh	Evelyn	1	E		U1-1
Q2475-01	SOIL-PILE	SVOC-TCL BNA -20	50.02	N/A	ritesh	Evelyn	1	D		2
Q2475-01MS	SOIL-PILEMS	SVOC-TCL BNA -20	50.07	N/A	ritesh	Evelyn	1	D		3
Q2475-01MS D	SOIL-PILEMSD	SVOC-TCL BNA -20	50.05	N/A	ritesh	Evelyn	1	D		4
Q2478-01	WC-1	SVOC-TCL BNA -20	50.06	N/A	ritesh	Evelyn	1	E		5
Q2484-01	TP-58	SVOC-TCL BNA -20	30.01	N/A	ritesh	Evelyn	1	E		6
Q2484-02	TP-57	SVOC-TCL BNA -20	30.04	N/A	ritesh	Evelyn	1	E		U2-1
Q2484-03	TP-64	SVOC-TCL BNA -20	30.07	N/A	ritesh	Evelyn	1	E		2
Q2484-04	TP-107	SVOC-TCL BNA -20	30.03	N/A	ritesh	Evelyn	1	E		3
Q2484-05	TP-1006	SVOC-TCL BNA -20	30.06	N/A	ritesh	Evelyn	1	E		4
Q2484-06	TP-104	SVOC-TCL BNA -20	30.09	N/A	ritesh	Evelyn	1	E		5

(68694)
57:8

WORKLIST(Hardcopy Internal Chain)

WorkList Name : Q2472 WorkList ID : 190505 Department : Extraction Date : 07-02-2025 08:17:04

Sample	Customer Sample	Matrix	Test	Preservative	Customer	Raw Sample Storage Location	Collect Date	Method
Q2472-01	PN#1	Solid	SVOC-PAH	Cool 4 deg C	PSEG03	A42	07/01/2025	8270E
Q2473-01	PIT#1	Solid	SVOC-TCL BNA -20	Cool 4 deg C	JPCL01	-Sele	07/01/2025	8270E
Q2473-02	PIT#2	Solid	SVOC-TCL BNA -20	Cool 4 deg C	JPCL01	-Sele	07/01/2025	8270E
Q2473-03	PIT#3	Solid	SVOC-TCL BNA -20	Cool 4 deg C	JPCL01	-Sele	07/01/2025	8270E
Q2473-04	PIT#4	Solid	SVOC-TCL BNA -20	Cool 4 deg C	JPCL01	-Sele	07/01/2025	8270E
Q2475-01	SOIL-PILE	Solid	SVOC-TCL BNA -20	Cool 4 deg C	PSEG03	A43	07/01/2025	8270E
Q2478-01	WC-1	Solid	SVOC-TCL BNA -20	Cool 4 deg C	PSEG03	A42	07/01/2025	8270E

Date/Time 07/02/25 8:50
Raw Sample Received by: RJ (Ext Lab)
Raw Sample Relinquished by: JT (Ext Lab)

Date/Time 07/02/25 9:10
Raw Sample Received by: JT (Ext Lab)
Raw Sample Relinquished by: RJ (Ext Lab)

6/29/2025

WORKLIST(Hardcopy Internal Chain)

WorkList Name : Q2484

WorkList ID : 190512

Department : Extraction

Date : 07-02-2025 10:58:44

Sample	Customer Sample	Matrix	Test	Preservative	Customer	Raw Sample Storage Location	Collect Date	Method
Q2484-01	TP-58	Solid	PCB	Cool 4 deg C	CAMP02	A12	07/01/2025	8082A
Q2484-01	TP-58	Solid	Pesticide-TCL	Cool 4 deg C	CAMP02	A12	07/01/2025	8081B
Q2484-01	TP-58	Solid	SVOC-TCL BNA -20	Cool 4 deg C	CAMP02		07/01/2025	8270E
Q2484-02	TP-57	Solid	PCB	Cool 4 deg C	CAMP02	A12	07/01/2025	8082A
Q2484-02	TP-57	Solid	Pesticide-TCL	Cool 4 deg C	CAMP02	A12	07/01/2025	8081B
Q2484-02	TP-57	Solid	SVOC-TCL BNA -20	Cool 4 deg C	CAMP02		07/01/2025	8270E
Q2484-03	TP-64	Solid	PCB	Cool 4 deg C	CAMP02	A12	07/01/2025	8082A
Q2484-03	TP-64	Solid	Pesticide-TCL	Cool 4 deg C	CAMP02	A12	07/01/2025	8081B
Q2484-03	TP-64	Solid	SVOC-TCL BNA -20	Cool 4 deg C	CAMP02		07/01/2025	8270E
Q2484-04	TP-107	Solid	PCB	Cool 4 deg C	CAMP02	A12	07/01/2025	8082A
Q2484-04	TP-107	Solid	Pesticide-TCL	Cool 4 deg C	CAMP02	A12	07/01/2025	8081B
Q2484-04	TP-107	Solid	SVOC-TCL BNA -20	Cool 4 deg C	CAMP02		07/01/2025	8270E
Q2484-05	TP-1006	Solid	PCB	Cool 4 deg C	CAMP02	A12	07/01/2025	8082A
Q2484-05	TP-1006	Solid	Pesticide-TCL	Cool 4 deg C	CAMP02	A12	07/01/2025	8081B
Q2484-05	TP-1006	Solid	SVOC-TCL BNA -20	Cool 4 deg C	CAMP02		07/01/2025	8270E
Q2484-06	TP-104	Solid	PCB	Cool 4 deg C	CAMP02	A12	07/01/2025	8082A
Q2484-06	TP-104	Solid	Pesticide-TCL	Cool 4 deg C	CAMP02	A12	07/01/2025	8081B
Q2484-06	TP-104	Solid	SVOC-TCL BNA -20	Cool 4 deg C	CAMP02		07/01/2025	8270E

7/2/25

10:58

Raw Sample Received by: RJ (EXT-06)

Raw Sample Relinquished by: J.C (5081)

Date/Time

7/2/25 11:30

Raw Sample Received by: J.C (5081)

Raw Sample Relinquished by: RJ (EXT-06)



SHIPPING DOCUMENTS

CLIENT INFORMATION

REPORT TO BE SENT TO:
COMPANY: CDM SMITH
ADDRESS: 110 FIELDCREST AVE #8 6TH FLOOR
CITY: EDISON STATE: NJ ZIP: 08837
ATTENTION: MARCIE ENCINAS
PHONE: 7325904679 FAX:

CLIENT PROJECT INFORMATION

PROJECT NAME: SOUTH RIVER WM REPLACEMENT
PROJECT NO.: 302781 LOCATION: SOUTH RIVER, NJ
PROJECT MANAGER: MARCIE ENCINAS
e-mail: ENCINASMA@CDMSMITH.COM
PHONE: 7325904679 FAX:

CLIENT BILLING INFORMATION

BILL TO: CDM SMITH PO#:
ADDRESS: 110 FIELDCREST AVE #8 6TH FLOOR
CITY: EDISON STATE: NJ ZIP: 08837
ATTENTION: MARCIE ENCINAS PHONE: 7325904679

ANALYSIS

DATA TURNAROUND INFORMATION

FAX (RUSH) _____ DAYS*
HARDCOPY (DATA PACKAGE): _____ DAYS*
EDD: _____ DAYS*
*TO BE APPROVED BY CHEMTECH
STANDARD HARDCOPY TURNAROUND TIME IS 10 BUSINESS

DATA DELIVERABLE INFORMATION

☐ Level 1 (Results Only) ☐ Level 4 (QC + Full Raw Data)
☒ Level 2 (Results + QC) ☐ NJ Reduced ☐ US EPA CLP
☐ Level 3 (Results + QC) ☐ NYS ASP A ☐ NYS ASP B
+ Raw Data ☐ Other _____
☐ EDD FORMAT _____

TOL VOC
TOL SVOC
TAL METALS
PCBS
PESTICIDES
HERBICIDES
DRUGS

PRESERVATIVES

COMMENTS

ALLIANCE SAMPLE ID	PROJECT SAMPLE IDENTIFICATION	SAMPLE MATRIX	SAMPLE TYPE		SAMPLE COLLECTION		# OF BOTTLES										← Specify Preservatives A-HCl D-NaOH B-HNO3 E-ICE C-H2SO4 F-OTHER
			COMP	GRAB	DATE	TIME		1	2	3	4	5	6	7	8	9	
1.	TP-58	S		X	7/1/05	0800	6	X	X	X	X	X	X	X			E
2.	TP-57	S		X	7/1/05	0840	6	X	X	X	X	X	X	X			E
3.	TP-64	S		X	7/1/05	0930	6	X	X	X	X	X	X	X			E
4.	TP-107	S		X	7/1/05	1040	6	X	X	X	X	X	X	X			E
5.	TP-106	S		X	7/1/05	1145	6	X	X	X	X	X	X	X			E
6.	TP-104	S		X	7/1/05	1240	6	X	X	X	X	X	X	X			E
7.																	
8.																	
9.																	
10.																	

SAMPLE CUSTODY MUST BE DOCUMENTED BELOW EACH TIME SAMPLES CHANGE POSSESSION INCLUDING COURIER DELIVERY

RELINQUISHED BY SAMPLER:	DATE/TIME: 7/1/05 1510	RECEIVED BY: [Signature]	Conditions of bottles or coolers at receipt: ☐ COMPLIANT ☐ NON COMPLIANT ☒ COOLER TEMP 3.6 °C
1. [Signature]		1. [Signature]	Comments:
RELINQUISHED BY SAMPLER:	DATE/TIME:	RECEIVED BY:	
2. [Signature]		2. [Signature]	
RELINQUISHED BY SAMPLER:	DATE/TIME: 7.1.25	RECEIVED BY: [Signature]	
3. [Signature]		3. [Signature]	

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 : Q2484 CAMP02

Order Date : 7/2/2025 9:23:00 AM

Project Mgr :

Client Name : CDM Smith

Project Name : South River WM Replacem

Report Type : Level 2 *af*

Client Contact : Marcie Ann Encinas

Receive DateTime : 7/1/2025 4:54:00 PM

EDD Type : EXCEL NOCLEANUP

Invoice Name : CDM Smith

Purchase Order :

Hard Copy Date :

Invoice Contact : Marcie Ann Encinas

Date Signoff :

LAB ID	CLIENT ID	MATRIX	SAMPLE DATE	SAMPLE TIME	TEST	TEST GROUP	METHOD	FAX DATE	DUE DATES
Q2484-01	TP-58	Solid	07/01/2025	08:00	VOC-TCLVOA-10		8260D		10 Bus. Days
Q2484-02	TP-57	Solid	07/01/2025	08:40	VOC-TCLVOA-10		8260D		10 Bus. Days
Q2484-03	TP-64	Solid	07/01/2025	09:30	VOC-TCLVOA-10		8260D		10 Bus. Days
Q2484-04	TP-107	Solid	07/01/2025	10:40	VOC-TCLVOA-10		8260D		10 Bus. Days
Q2484-05	TP-106 <i>106 af</i>	Solid	07/01/2025	11:45	VOC-TCLVOA-10		8260D		10 Bus. Days
Q2484-06	TP-104	Solid	07/01/2025	12:40	VOC-TCLVOA-10		8260D		10 Bus. Days