

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

LAB CHRONICLE

OrderID:	Q2514	OrderDate:	7/3/2025 1:29:00 PM
Client:	CDM Smith	Project:	South River WM Replacement
Contact:	Marcie Ann Encinas	Location:	O21,O22,VOA Lab

LabID	ClientID	Matrix	Test	Method	Sample Date	Prep Date	Anal Date	Received
Q2514-01	TP-92	SOIL	SVOC-TCL BNA -20	8270E	07/02/25	07/07/25	07/08/25	07/03/25
Q2514-02	TP-93	SOIL	SVOC-TCL BNA -20	8270E	07/02/25	07/07/25	07/07/25	07/03/25
Q2514-03	TP-94	SOIL	SVOC-TCL BNA -20	8270E	07/02/25	07/07/25	07/08/25	07/03/25
Q2514-04	TP-96	SOIL	SVOC-TCL BNA -20	8270E	07/02/25	07/07/25	07/08/25	07/03/25
Q2514-05	TP-97	SOIL	SVOC-TCL BNA -20	8270E	07/02/25	07/07/25	07/08/25	07/03/25
Q2514-06	TP-103	SOIL	SVOC-TCL BNA -20	8270E	07/02/25	07/07/25	07/08/25	07/03/25
Q2514-07	TP-36	SOIL	SVOC-TCL BNA -20	8270E	07/03/25	07/07/25	07/08/25	07/03/25
Q2514-08	TP-78	SOIL	SVOC-TCL BNA -20	8270E	07/03/25	07/07/25	07/08/25	07/03/25
Q2514-09	TP-81	SOIL	SVOC-TCL BNA -20	8270E	07/03/25	07/07/25	07/08/25	07/03/25
Q2514-10	TP-90	SOIL	SVOC-TCL BNA -20	8270E	07/03/25	07/07/25	07/08/25	07/03/25

Hit Summary Sheet SW-846

SDG No.: Q2514
Client: CDM Smith

Sample ID	Client ID	Matrix	Parameter	Concentration	C	MDL	RDL	Units
Client ID : TP-92								
Q2514-01	TP-92	SOIL	2-Pentanone, 4-hydroxy-4-methyl *	220.000	AB	0	0	ug/Kg
Q2514-01	TP-92	SOIL	Benzophenone *	260.000	J	0	0	ug/Kg
Q2514-01	TP-92	SOIL	Phenyl(2-phenyl-1,3-dioxolan-2-y *	190.000	J	0	0	ug/Kg
Q2514-01	TP-92	SOIL	unknown13.716 *	97.500	J	0	0	ug/Kg
Q2514-01	TP-92	SOIL	unknown13.886 *	99.000	J	0	0	ug/Kg
Total Tics :				866.50				
Total Concentration:				866.50				
Client ID : TP-93								
Q2514-02	TP-93	SOIL	1-Octadecanesulphonyl chloride *	100.000	J	0	0	ug/Kg
Q2514-02	TP-93	SOIL	2-Pentanone, 4-hydroxy-4-methyl *	170.000	AB	0	0	ug/Kg
Q2514-02	TP-93	SOIL	Benzophenone *	180.000	J	0	0	ug/Kg
Q2514-02	TP-93	SOIL	Eicosane *	300.000	J	0	0	ug/Kg
Q2514-02	TP-93	SOIL	Heptacosane *	140.000	J	0	0	ug/Kg
Q2514-02	TP-93	SOIL	Heptadecane *	130.000	J	0	0	ug/Kg
Q2514-02	TP-93	SOIL	Heptadecyl trifluoroacetate *	160.000	J	0	0	ug/Kg
Q2514-02	TP-93	SOIL	Hexacosane *	87.400	J	0	0	ug/Kg
Q2514-02	TP-93	SOIL	n-Hexadecanoic acid *	150.000	J	0	0	ug/Kg
Q2514-02	TP-93	SOIL	Nonadecane *	160.000	J	0	0	ug/Kg
Q2514-02	TP-93	SOIL	Octacosane *	81.300	J	0	0	ug/Kg
Q2514-02	TP-93	SOIL	Pentadecane, 2,6,10,14-tetramethy *	79.000	J	0	0	ug/Kg
Q2514-02	TP-93	SOIL	Tetracosane *	100.000	J	0	0	ug/Kg
Q2514-02	TP-93	SOIL	Tetradecane *	80.900	J	0	0	ug/Kg
Q2514-02	TP-93	SOIL	Tridecane *	130.000	J	0	0	ug/Kg
Total Tics :				2,048.60				
Total Concentration:				2,048.60				
Client ID : TP-94								
Q2514-03	TP-94	SOIL	1-Heneicosanol *	180.000	J	0	0	ug/Kg
Q2514-03	TP-94	SOIL	2-Pentanone, 4-hydroxy-4-methyl *	230.000	AB	0	0	ug/Kg
Q2514-03	TP-94	SOIL	3,6,9,12-Tetraoxatetradecane-1,14 *	210.000	J	0	0	ug/Kg
Q2514-03	TP-94	SOIL	Benzophenone *	230.000	J	0	0	ug/Kg
Q2514-03	TP-94	SOIL	n-Tetracosanol-1 *	210.000	J	0	0	ug/Kg
Total Tics :				1,060.00				
Total Concentration:				1,060.00				
Client ID : TP-96								
Q2514-04	TP-96	SOIL	Phenanthrene	79.200	J	24.3	200	ug/Kg
Q2514-04	TP-96	SOIL	Fluoranthene	420.000		34.9	200	ug/Kg

Hit Summary Sheet
SW-846

SDG No.: Q2514
Client: CDM Smith

Sample ID	Client ID	Matrix	Parameter	Concentration	C	MDL	RDL	Units
Q2514-04	TP-96	SOIL	Pyrene	200.000		41.9	200	ug/Kg
Q2514-04	TP-96	SOIL	Benzo(a)anthracene	180.000	J	26.8	200	ug/Kg
Q2514-04	TP-96	SOIL	Chrysene	200.000		23.2	200	ug/Kg
Q2514-04	TP-96	SOIL	Benzo(b)fluoranthene	310.000		22.1	200	ug/Kg
Q2514-04	TP-96	SOIL	Benzo(k)fluoranthene	140.000	J	26.1	200	ug/Kg
Q2514-04	TP-96	SOIL	Benzo(a)pyrene	210.000		34.3	200	ug/Kg
Q2514-04	TP-96	SOIL	Indeno(1,2,3-cd)pyrene	79.300	J	33.9	200	ug/Kg
Q2514-04	TP-96	SOIL	Benzo(g,h,i)perylene	96.500	J	29.9	200	ug/Kg
Total Svoc :				1,915.00				
Q2514-04	TP-96	SOIL	2-Pentanone, 4-hydroxy-4-methyl *	170.000	AB	0	0	ug/Kg
Q2514-04	TP-96	SOIL	Benzo[e]pyrene *	160.000	J	0	0	ug/Kg
Q2514-04	TP-96	SOIL	Benzophenone *	170.000	J	0	0	ug/Kg
Q2514-04	TP-96	SOIL	unknown13.904 *	140.000	J	0	0	ug/Kg
Total Tics :				640.00				
Total Concentration:				2,555.00				
Client ID : TP-97								
Q2514-05	TP-97	SOIL	Fluoranthene	92.400	J	35.2	200	ug/Kg
Q2514-05	TP-97	SOIL	Pyrene	86.500	J	42.3	200	ug/Kg
Q2514-05	TP-97	SOIL	Chrysene	80.800	J	23.4	200	ug/Kg
Q2514-05	TP-97	SOIL	Benzo(b)fluoranthene	120.000	J	22.3	200	ug/Kg
Q2514-05	TP-97	SOIL	Benzo(a)pyrene	87.500	J	34.6	200	ug/Kg
Total Svoc :				467.20				
Q2514-05	TP-97	SOIL	Benzophenone *	230.000	J	0	0	ug/Kg
Q2514-05	TP-97	SOIL	2,2-(Ethane-1,2-diylbis(oxy))bis(*	150.000	J	0	0	ug/Kg
Q2514-05	TP-97	SOIL	2-Pentanone, 4-hydroxy-4-methyl *	210.000	AB	0	0	ug/Kg
Total Tics :				590.00				
Total Concentration:				1,057.20				
Client ID : TP-103								
Q2514-06	TP-103	SOIL	2-Pentanone, 4-hydroxy-4-methyl *	220.000	AB	0	0	ug/Kg
Q2514-06	TP-103	SOIL	Benzophenone *	170.000	J	0	0	ug/Kg
Q2514-06	TP-103	SOIL	Diethylene glycol dibenzoate *	120.000	J	0	0	ug/Kg
Total Tics :				510.00				
Total Concentration:				510.00				
Client ID : TP-36								
Q2514-07	TP-36	SOIL	1-Hexadecanol *	200.000	J	0	0	ug/Kg
Q2514-07	TP-36	SOIL	2-Pentanone, 4-hydroxy-4-methyl *	200.000	AB	0	0	ug/Kg
Q2514-07	TP-36	SOIL	Benzophenone *	270.000	J	0	0	ug/Kg
Q2514-07	TP-36	SOIL	Eicosane *	6,300.000	J	0	0	ug/Kg
Q2514-07	TP-36	SOIL	Heneicosane *	540.000	J	0	0	ug/Kg

Hit Summary Sheet SW-846

SDG No.: Q2514
Client: CDM Smith

Sample ID	Client ID	Matrix	Parameter	Concentration	C	MDL	RDL	Units
Q2514-07	TP-36	SOIL	Hentriacontane	*	200.000	JB	0	ug/Kg
Q2514-07	TP-36	SOIL	Heptacosane	*	2,100.000	J	0	ug/Kg
Q2514-07	TP-36	SOIL	Hexacosane	*	3,800.000	J	0	ug/Kg
Q2514-07	TP-36	SOIL	n-Hexadecanoic acid	*	1,400.000	J	0	ug/Kg
Q2514-07	TP-36	SOIL	Octacosane	*	4,400.000	J	0	ug/Kg
Q2514-07	TP-36	SOIL	Octacosane, 2-methyl-	*	310.000	J	0	ug/Kg
Q2514-07	TP-36	SOIL	Octadecanoic acid	*	2,000.000	J	0	ug/Kg
Q2514-07	TP-36	SOIL	Octadecanoic acid, dodecyl ester	*	630.000	J	0	ug/Kg
Q2514-07	TP-36	SOIL	Pentacosane	*	2,400.000	J	0	ug/Kg
Q2514-07	TP-36	SOIL	Pentadecafluorooctanoic acid, octa	*	580.000	J	0	ug/Kg
Q2514-07	TP-36	SOIL	Tetracosane	*	8,000.000	J	0	ug/Kg
Q2514-07	TP-36	SOIL	Tetracosane, 11-decyl-	*	980.000	J	0	ug/Kg
Q2514-07	TP-36	SOIL	Tetratetracontane	*	140.000	J	0	ug/Kg
Q2514-07	TP-36	SOIL	Tricosane, 2-methyl-	*	130.000	J	0	ug/Kg
Q2514-07	TP-36	SOIL	unknown17.256	*	330.000	J	0	ug/Kg
Total Tics :				34,910.00				
Total Concentration:				34,910.00				
Client ID : TP-78								
Q2514-08	TP-78	SOIL	2-Pentanone, 4-hydroxy-4-methyl	*	250.000	AB	0	ug/Kg
Q2514-08	TP-78	SOIL	Benzophenone	*	320.000	J	0	ug/Kg
Q2514-08	TP-78	SOIL	Dotriacontane, 1-iodo-	*	110.000	J	0	ug/Kg
Q2514-08	TP-78	SOIL	Octacosane	*	94.900	J	0	ug/Kg
Q2514-08	TP-78	SOIL	Octadecanoic acid	*	120.000	J	0	ug/Kg
Q2514-08	TP-78	SOIL	Octadecyl trifluoroacetate	*	150.000	J	0	ug/Kg
Q2514-08	TP-78	SOIL	Phenyl(2-phenyl-1,3-dioxolan-2-y	*	180.000	J	0	ug/Kg
Total Tics :				1,224.90				
Total Concentration:				1,224.90				
Client ID : TP-81								
Q2514-09	TP-81	SOIL	2-Bromomethyl-2-phenyl[1,3]dio	*	190.000	J	0	ug/Kg
Q2514-09	TP-81	SOIL	2-Pentanone, 4-hydroxy-4-methyl	*	200.000	AB	0	ug/Kg
Q2514-09	TP-81	SOIL	Benzophenone	*	230.000	J	0	ug/Kg
Q2514-09	TP-81	SOIL	unknown13.886	*	140.000	J	0	ug/Kg
Total Tics :				760.00				
Total Concentration:				760.00				
Client ID : TP-90								
Q2514-10	TP-90	SOIL	Fluoranthene		94.700	J	32.7	ug/Kg
Q2514-10	TP-90	SOIL	Benzo(a)anthracene		73.500	J	25	ug/Kg
Q2514-10	TP-90	SOIL	Chrysene		74.000	J	21.7	ug/Kg
Q2514-10	TP-90	SOIL	Benzo(b)fluoranthene		140.000	J	20.7	ug/Kg

Hit Summary Sheet
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SDG No.: Q2514
Client: CDM Smith

Sample ID	Client ID	Matrix	Parameter	Concentration	C	MDL	RDL	Units
Q2514-10	TP-90	SOIL	Benzo(a)pyrene	98.900	J	32.1	190	ug/Kg
Total Svoc :				481.10				
Q2514-10	TP-90	SOIL	2-Pentanone, 4-hydroxy-4-methyl *	110.000	AB	0	0	ug/Kg
Q2514-10	TP-90	SOIL	Benzo[e]pyrene *	77.300	J	0	0	ug/Kg
Q2514-10	TP-90	SOIL	Benzophenone *	130.000	J	0	0	ug/Kg
Q2514-10	TP-90	SOIL	N-[(2-Phenyl-1,3-dioxolan-2-yl)m *	86.000	J	0	0	ug/Kg
Total Tics :				403.30				
Total Concentration:				884.40				



QC SUMMARY

Surrogate Summary

SW-846

SDG No.: Q2514

Client: CDM Smith

Analytical Method: 8270E

Lab Sample ID	Client ID	Parameter	Spike (PPM)	Result (PPM)	Recovery (%)	Qual	Limits (%)	
							Low	High
PB168737BL	PB168737BL	2-Fluorophenol	150	127	85		18	112
		Phenol-d6	150	128	85		15	107
		Nitrobenzene-d5	100	80.2	80		18	107
		2-Fluorobiphenyl	100	79.5	80		20	109
		2,4,6-Tribromophenol	150	132	88		10	116
		Terphenyl-d14	100	86.6	87		10	105
PB168737BS	PB168737BS	2-Fluorophenol	150	128	86		18	112
		Phenol-d6	150	129	86		15	107
		Nitrobenzene-d5	100	80.5	80		18	107
		2-Fluorobiphenyl	100	80.5	81		20	109
		2,4,6-Tribromophenol	150	139	92		10	116
		Terphenyl-d14	100	84.1	84		10	105
Q2514-01	TP-92	2-Fluorophenol	150	81.5	54		18	112
		Phenol-d6	150	81.9	55		15	107
		Nitrobenzene-d5	100	50.8	51		18	107
		2-Fluorobiphenyl	100	48.3	48		20	109
		2,4,6-Tribromophenol	150	59.1	39		10	116
		Terphenyl-d14	100	37.4	37		10	105
Q2514-02	TP-93	2-Fluorophenol	150	62.0	41		18	112
		Phenol-d6	150	57.7	38		15	107
		Nitrobenzene-d5	100	41.0	41		18	107
		2-Fluorobiphenyl	100	41.4	41		20	109
		2,4,6-Tribromophenol	150	60.4	40		10	116
		Terphenyl-d14	100	28.0	28		10	105
Q2514-03	TP-94	2-Fluorophenol	150	80.1	53		18	112
		Phenol-d6	150	80.7	54		15	107
		Nitrobenzene-d5	100	51.9	52		18	107
		2-Fluorobiphenyl	100	55.1	55		20	109
		2,4,6-Tribromophenol	150	56.5	38		10	116
		Terphenyl-d14	100	37.5	37		10	105
Q2514-04	TP-96	2-Fluorophenol	150	62.3	42		18	112
		Phenol-d6	150	61.0	41		15	107
		Nitrobenzene-d5	100	40.3	40		18	107
		2-Fluorobiphenyl	100	42.7	43		20	109
		2,4,6-Tribromophenol	150	55.0	37		10	116
		Terphenyl-d14	100	26.4	26		10	105
Q2514-05	TP-97	2-Fluorophenol	150	74.0	49		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	55.6	37		10	116
		Terphenyl-d14	100	38.4	38		10	105
Q2514-06	TP-103	2-Fluorophenol	150	66.8	45		18	112
		Phenol-d6	150	67.4	45		15	107
		Nitrobenzene-d5	100	44.0	44		18	107
		2-Fluorobiphenyl	100	46.5	46		20	109
		2,4,6-Tribromophenol	150	47.8	32		10	116
		Terphenyl-d14	100	28.7	29		10	105
Q2514-07	TP-36	2-Fluorophenol	150	78.2	52		18	112
		Phenol-d6	150	79.8	53		15	107
		Nitrobenzene-d5	100	50.7	51		18	107

Surrogate Summary

SW-846

SDG No.: Q2514

Client: CDM Smith

Analytical Method: 8270E

Lab Sample ID	Client ID	Parameter	Spike (PPM)	Result (PPM)	Recovery (%)	Qual	Limits (%)	
							Low	High
Q2514-07	TP-36	2-Fluorobiphenyl	100	52.4	52		20	109
		2,4,6-Tribromophenol	150	56.2	37		10	116
		Terphenyl-d14	100	40.6	41		10	105
Q2514-08	TP-78	2-Fluorophenol	150	93.0	62		18	112
		Phenol-d6	150	95.8	64		15	107
		Nitrobenzene-d5	100	61.0	61		18	107
Q2514-08MS	TP-78MS	2-Fluorobiphenyl	100	60.2	60		20	109
		2,4,6-Tribromophenol	150	67.5	45		10	116
		Terphenyl-d14	100	46.7	47		10	105
Q2514-08MSD	TP-78MSD	2-Fluorophenol	150	76.1	51		18	112
		Phenol-d6	150	76.2	51		15	107
		Nitrobenzene-d5	100	48.0	48		18	107
Q2514-09	TP-81	2-Fluorobiphenyl	100	48.6	49		20	109
		2,4,6-Tribromophenol	150	68.0	45		10	116
		Terphenyl-d14	100	35.9	36		10	105
Q2514-10	TP-90	2-Fluorophenol	150	71.8	48		18	112
		Phenol-d6	150	70.7	47		15	107
		Nitrobenzene-d5	100	45.9	46		18	107
Q2514-09	TP-81	2-Fluorobiphenyl	100	45.7	46		20	109
		2,4,6-Tribromophenol	150	64.2	43		10	116
		Terphenyl-d14	100	34.1	34		10	105
Q2514-09	TP-81	2-Fluorophenol	150	78.9	53		18	112
		Phenol-d6	150	79.4	53		15	107
		Nitrobenzene-d5	100	51.3	51		18	107
Q2514-09	TP-81	2-Fluorobiphenyl	100	51.6	52		20	109
		2,4,6-Tribromophenol	150	52.1	35		10	116
		Terphenyl-d14	100	35.4	35		10	105
Q2514-10	TP-90	2-Fluorophenol	150	48.7	32		18	112
		Phenol-d6	150	47.1	31		15	107
		Nitrobenzene-d5	100	34.4	34		18	107
Q2514-10	TP-90	2-Fluorobiphenyl	100	38.3	38		20	109
		2,4,6-Tribromophenol	150	41.7	28		10	116
		Terphenyl-d14	100	23.7	24		10	105

Matrix Spike/Matrix Spike Duplicate Summary

SW-846

SDG No.: Q2514

Analytical Method: SW8270E

Client: CDM Smith

DataFile: BF143032.D

Parameter	Spike	Sample Result	Result	Units	Rec	Rec Qual	RPD	RPD Qual	Low	Limits High	RPD
Lab Sample ID: Q2514-08MS		Client Sample ID: TP-78MS									
Benzaldehyde	1900	0	1800	ug/Kg	95				10	171	
Phenol	1900	0	1700	ug/Kg	89				51	122	
bis(2-Chloroethyl)ether	1900	0	1800	ug/Kg	95				54	125	
2-Chlorophenol	1900	0	1800	ug/Kg	95				51	121	
2-Methylphenol	1900	0	1800	ug/Kg	95				47	125	
2,2-oxybis(1-Chloropropane)	1900	0	1600	ug/Kg	84				46	119	
Acetophenone	1900	0	1800	ug/Kg	95				55	128	
3+4-Methylphenols	1900	0	1800	ug/Kg	95				49	125	
N-Nitroso-di-n-propylamine	1900	0	1800	ug/Kg	95				59	119	
Hexachloroethane	1900	0	1800	ug/Kg	95				51	116	
Nitrobenzene	1900	0	1700	ug/Kg	89				47	124	
Isophorone	1900	0	1700	ug/Kg	89				49	127	
2-Nitrophenol	1900	0	1800	ug/Kg	95				43	131	
2,4-Dimethylphenol	1900	0	1700	ug/Kg	89				63	151	
bis(2-Chloroethoxy)methane	1900	0	1800	ug/Kg	95				51	119	
2,4-Dichlorophenol	1900	0	1800	ug/Kg	95				50	122	
Naphthalene	1900	0	1800	ug/Kg	95				51	121	
4-Chloroaniline	1900	0	1300	ug/Kg	68				10	100	
Hexachlorobutadiene	1900	0	1800	ug/Kg	95				44	126	
Caprolactam	1900	0	1400	ug/Kg	74				51	134	
4-Chloro-3-methylphenol	1900	0	1700	ug/Kg	89				57	132	
2-Methylnaphthalene	1900	0	1800	ug/Kg	95				59	123	
Hexachlorocyclopentadiene	3900	0	3000	ug/Kg	77				10	175	
2,4,6-Trichlorophenol	1900	0	1700	ug/Kg	89				33	141	
2,4,5-Trichlorophenol	1900	0	1700	ug/Kg	89				38	135	
1,1-Biphenyl	1900	0	1900	ug/Kg	100				55	131	
2-Chloronaphthalene	1900	0	1900	ug/Kg	100				48	124	
2-Nitroaniline	1900	0	1800	ug/Kg	95				47	134	
Dimethylphthalate	1900	0	1800	ug/Kg	95				54	120	
Acenaphthylene	1900	0	1800	ug/Kg	95				57	125	
2,6-Dinitrotoluene	1900	0	1800	ug/Kg	95				48	127	
3-Nitroaniline	1900	0	1400	ug/Kg	74				10	112	
Acenaphthene	1900	0	1800	ug/Kg	95				70	121	
2,4-Dinitrophenol	3900	0	1600	ug/Kg	41				10	155	
4-Nitrophenol	3900	0	2400	ug/Kg	62				10	175	
Dibenzofuran	1900	0	1800	ug/Kg	95				52	114	
2,4-Dinitrotoluene	1900	0	1800	ug/Kg	95				41	140	
Diethylphthalate	1900	0	1800	ug/Kg	95				51	119	
4-Chlorophenyl-phenylether	1900	0	1800	ug/Kg	95				48	122	
Fluorene	1900	0	1800	ug/Kg	95				53	118	
4-Nitroaniline	1900	0	1700	ug/Kg	89				29	140	
4,6-Dinitro-2-methylphenol	1900	0	1400	ug/Kg	74				10	160	
N-Nitrosodiphenylamine	1900	0	1900	ug/Kg	100				73	118	
4-Bromophenyl-phenylether	1900	0	2000	ug/Kg	105				65	121	
Hexachlorobenzene	1900	0	1900	ug/Kg	100				67	118	
Atrazine	1900	0	1900	ug/Kg	100				45	175	

Matrix Spike/Matrix Spike Duplicate Summary

SW-846

SDG No.: Q2514

Analytical Method: SW8270E

Client: CDM Smith

DataFile: BF143032.D

Parameter	Spike	Sample Result	Result	Units	Rec	Rec Qual	RPD	RPD Qual	Low	Limits High	RPD
Pentachlorophenol	3900	0	2100	ug/Kg	54				13	153	
Phenanthrene	1900	0	1900	ug/Kg	100				52	128	
Anthracene	1900	0	1800	ug/Kg	95				62	124	
Carbazole	1900	0	1800	ug/Kg	95				59	119	
Di-n-butylphthalate	1900	0	2000	ug/Kg	105				55	125	
Fluoranthene	1900	0	1700	ug/Kg	89				44	125	
Pyrene	1900	0	1300	ug/Kg	68				37	122	
Butylbenzylphthalate	1900	0	1900	ug/Kg	100				44	135	
3,3-Dichlorobenzidine	1900	0	1400	ug/Kg	74				15	112	
Benzo(a)anthracene	1900	0	1800	ug/Kg	95				53	119	
Chrysene	1900	0	1900	ug/Kg	100				57	121	
bis(2-Ethylhexyl)phthalate	1900	0	1900	ug/Kg	100				42	169	
Di-n-octyl phthalate	1900	0	1900	ug/Kg	100				51	156	
Benzo(b)fluoranthene	1900	0	1900	ug/Kg	100				52	117	
Benzo(k)fluoranthene	1900	0	1900	ug/Kg	100				57	134	
Benzo(a)pyrene	1900	0	1900	ug/Kg	100				70	142	
Indeno(1,2,3-cd)pyrene	1900	0	1500	ug/Kg	79				40	129	
Dibenz(a,h)anthracene	1900	0	1500	ug/Kg	79				43	123	
Benzo(g,h,i)perylene	1900	0	1400	ug/Kg	74				24	125	
1,2,4,5-Tetrachlorobenzene	1900	0	1900	ug/Kg	100				52	134	
1,4-Dioxane	1900	0	1400	ug/Kg	74				46	112	
2,3,4,6-Tetrachlorophenol	1900	0	1400	ug/Kg	74				24	146	

Matrix Spike/Matrix Spike Duplicate Summary

SW-846

SDG No.: Q2514

Analytical Method: SW8270E

Client: CDM Smith

DataFile: BF143033.D

Parameter	Spike	Sample Result	Result	Units	Rec	Rec Qual	RPD	RPD Qual	Low	Limits High	RPD
Lab Sample ID:	Q2514-08MSD	Client Sample ID:	TP-78MSD								
Benzaldehyde	1900	0	1700	ug/Kg	89	7			10	171	20
Phenol	1900	0	1600	ug/Kg	84	6			51	122	20
bis(2-Chloroethyl)ether	1900	0	1700	ug/Kg	89	7			54	125	20
2-Chlorophenol	1900	0	1700	ug/Kg	89	7			51	121	20
2-Methylphenol	1900	0	1600	ug/Kg	84	12			47	125	20
2,2-oxybis(1-Chloropropane)	1900	0	1500	ug/Kg	79	6			46	119	20
Acetophenone	1900	0	1700	ug/Kg	89	7			55	128	20
3+4-Methylphenols	1900	0	1700	ug/Kg	89	7			49	125	20
N-Nitroso-di-n-propylamine	1900	0	1600	ug/Kg	84	12			59	119	20
Hexachloroethane	1900	0	1700	ug/Kg	89	7			51	116	20
Nitrobenzene	1900	0	1600	ug/Kg	84	6			47	124	20
Isophorone	1900	0	1600	ug/Kg	84	6			49	127	20
2-Nitrophenol	1900	0	1700	ug/Kg	89	7			43	131	20
2,4-Dimethylphenol	1900	0	1600	ug/Kg	84	6			63	151	20
bis(2-Chloroethoxy)methane	1900	0	1700	ug/Kg	89	7			51	119	20
2,4-Dichlorophenol	1900	0	1600	ug/Kg	84	12			50	122	20
Naphthalene	1900	0	1700	ug/Kg	89	7			51	121	20
4-Chloroaniline	1900	0	1200	ug/Kg	63	8			10	100	20
Hexachlorobutadiene	1900	0	1700	ug/Kg	89	7			44	126	20
Caprolactam	1900	0	1300	ug/Kg	68	8			51	134	20
4-Chloro-3-methylphenol	1900	0	1600	ug/Kg	84	6			57	132	20
2-Methylnaphthalene	1900	0	1700	ug/Kg	89	7			59	123	20
Hexachlorocyclopentadiene	3900	0	2800	ug/Kg	72	7			10	175	20
2,4,6-Trichlorophenol	1900	0	1600	ug/Kg	84	6			33	141	20
2,4,5-Trichlorophenol	1900	0	1600	ug/Kg	84	6			38	135	20
1,1-Biphenyl	1900	0	1700	ug/Kg	89	12			55	131	20
2-Chloronaphthalene	1900	0	1700	ug/Kg	89	12			48	124	20
2-Nitroaniline	1900	0	1700	ug/Kg	89	7			47	134	20
Dimethylphthalate	1900	0	1700	ug/Kg	89	7			54	120	20
Acenaphthylene	1900	0	1700	ug/Kg	89	7			57	125	20
2,6-Dinitrotoluene	1900	0	1700	ug/Kg	89	7			48	127	20
3-Nitroaniline	1900	0	1300	ug/Kg	68	8			10	112	20
Acenaphthene	1900	0	1700	ug/Kg	89	7			70	121	20
2,4-Dinitrophenol	3900	0	1500	ug/Kg	38	8			10	155	20
4-Nitrophenol	3900	0	2300	ug/Kg	59	5			10	175	20
Dibenzofuran	1900	0	1700	ug/Kg	89	7			52	114	20
2,4-Dinitrotoluene	1900	0	1600	ug/Kg	84	12			41	140	20
Diethylphthalate	1900	0	1700	ug/Kg	89	7			51	119	20
4-Chlorophenyl-phenylether	1900	0	1700	ug/Kg	89	7			48	122	20
Fluorene	1900	0	1700	ug/Kg	89	7			53	118	20
4-Nitroaniline	1900	0	1600	ug/Kg	84	6			29	140	20
4,6-Dinitro-2-methylphenol	1900	0	1300	ug/Kg	68	8			10	160	20
N-Nitrosodiphenylamine	1900	0	1800	ug/Kg	95	5			73	118	20
4-Bromophenyl-phenylether	1900	0	1800	ug/Kg	95	10			65	121	20
Hexachlorobenzene	1900	0	1800	ug/Kg	95	5			67	118	20
Atrazine	1900	0	1800	ug/Kg	95	5			45	175	20

Matrix Spike/Matrix Spike Duplicate Summary

SW-846

SDG No.: Q2514

Analytical Method: SW8270E

Client: CDM Smith

DataFile: BF143033.D

Parameter	Spike	Sample Result	Result	Units	Rec	Rec Qual	RPD	RPD Qual	Low	Limits High	RPD
Pentachlorophenol	3900	0	1900	ug/Kg	49		10		13	153	20
Phenanthrene	1900	0	1700	ug/Kg	89		12		52	128	20
Anthracene	1900	0	1700	ug/Kg	89		7		62	124	20
Carbazole	1900	0	1700	ug/Kg	89		7		59	119	20
Di-n-butylphthalate	1900	0	1900	ug/Kg	100		5		55	125	20
Fluoranthene	1900	0	1600	ug/Kg	84		6		44	125	20
Pyrene	1900	0	1300	ug/Kg	68		0		37	122	20
Butylbenzylphthalate	1900	0	1800	ug/Kg	95		5		44	135	20
3,3-Dichlorobenzidine	1900	0	1400	ug/Kg	74		0		15	112	20
Benzo(a)anthracene	1900	0	1700	ug/Kg	89		7		53	119	20
Chrysene	1900	0	1800	ug/Kg	95		5		57	121	20
bis(2-Ethylhexyl)phthalate	1900	0	1800	ug/Kg	95		5		42	169	20
Di-n-octyl phthalate	1900	0	1800	ug/Kg	95		5		51	156	20
Benzo(b)fluoranthene	1900	0	1900	ug/Kg	100		0		52	117	20
Benzo(k)fluoranthene	1900	0	1800	ug/Kg	95		5		57	134	20
Benzo(a)pyrene	1900	0	1800	ug/Kg	95		5		70	142	20
Indeno(1,2,3-cd)pyrene	1900	0	1400	ug/Kg	74		7		40	129	20
Dibenz(a,h)anthracene	1900	0	1400	ug/Kg	74		7		43	123	20
Benzo(g,h,i)perylene	1900	0	1300	ug/Kg	68		8		24	125	20
1,2,4,5-Tetrachlorobenzene	1900	0	1800	ug/Kg	95		5		52	134	20
1,4-Dioxane	1900	0	1300	ug/Kg	68		8		46	112	20
2,3,4,6-Tetrachlorophenol	1900	0	1300	ug/Kg	68		8		24	146	20

Laboratory Control Sample/Laboratory Control Sample Duplicate Summary

SW-846

SDG No.: Q2514

Analytical Method: 8270E

Client: CDM Smith

DataFile: BF143050.D

Lab Sample ID	Parameter	Spike	Result	Unit	Rec	RPD	Qual	RPD		Limits	
								Qual	Low	High	RPD
PB168737BS	Benzaldehyde	1700	1500	ug/Kg	88				10	133	
	Phenol	1700	1400	ug/Kg	82				62	112	
	bis(2-Chloroethyl)ether	1700	1500	ug/Kg	88				60	101	
	2-Chlorophenol	1700	1500	ug/Kg	88				65	112	
	2-Methylphenol	1700	1500	ug/Kg	88				61	108	
	2,2-oxybis(1-Chloropropane)	1700	1300	ug/Kg	76				51	100	
	Acetophenone	1700	1500	ug/Kg	88				66	98	
	3+4-Methylphenols	1700	1500	ug/Kg	88				58	111	
	N-Nitroso-di-n-propylamine	1700	1500	ug/Kg	88				63	95	
	Hexachloroethane	1700	1500	ug/Kg	88				72	108	
	Nitrobenzene	1700	1400	ug/Kg	82				57	101	
	Isophorone	1700	1500	ug/Kg	88				59	99	
	2-Nitrophenol	1700	1500	ug/Kg	88				61	111	
	2,4-Dimethylphenol	1700	1500	ug/Kg	88				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	870	ug/Kg	51				16	100	
	Hexachlorobutadiene	1700	1500	ug/Kg	88				53	98	
	Caprolactam	1700	1600	ug/Kg	94				67	110	
	4-Chloro-3-methylphenol	1700	1500	ug/Kg	88				58	112	
	2-Methylnaphthalene	1700	1500	ug/Kg	88				60	104	
	Hexachlorocyclopentadiene	3300	2500	ug/Kg	76				45	165	
	2,4,6-Trichlorophenol	1700	1400	ug/Kg	82				59	102	
	2,4,5-Trichlorophenol	1700	1400	ug/Kg	82				61	98	
	1,1-Biphenyl	1700	1500	ug/Kg	88				57	103	
	2-Chloronaphthalene	1700	1500	ug/Kg	88				58	99	
	2-Nitroaniline	1700	1500	ug/Kg	88				66	101	
	Dimethylphthalate	1700	1600	ug/Kg	94				61	99	
	Acenaphthylene	1700	1500	ug/Kg	88				63	101	
	2,6-Dinitrotoluene	1700	1600	ug/Kg	94				61	104	
	3-Nitroaniline	1700	1000	ug/Kg	59				28	100	
	Acenaphthene	1700	1600	ug/Kg	94				57	104	
	2,4-Dinitrophenol	3300	3000	ug/Kg	91				37	128	
	4-Nitrophenol	3300	2400	ug/Kg	73				48	119	
	Dibenzofuran	1700	1500	ug/Kg	88				63	99	
	2,4-Dinitrotoluene	1700	1600	ug/Kg	94				60	106	
	Diethylphthalate	1700	1600	ug/Kg	94				60	101	
	4-Chlorophenyl-phenylether	1700	1500	ug/Kg	88				58	98	
	Fluorene	1700	1500	ug/Kg	88				61	101	
	4-Nitroaniline	1700	1500	ug/Kg	88				64	103	
	4,6-Dinitro-2-methylphenol	1700	1500	ug/Kg	88				76	113	
	N-Nitrosodiphenylamine	1700	1500	ug/Kg	88				71	99	
	4-Bromophenyl-phenylether	1700	1500	ug/Kg	88				66	102	

Laboratory Control Sample/Laboratory Control Sample Duplicate Summary

SW-846

SDG No.: Q2514

Analytical Method: 8270E

Client: CDM Smith

DataFile: BF143050.D

Lab Sample ID	Parameter	Spike	Result	Unit	Rec	RPD	RPD		Limits		RPD
							Qual	Qual	Low	High	
PB168737BS	Hexachlorobenzene	1700	1500	ug/Kg	88				64	98	
	Atrazine	1700	1700	ug/Kg	100				47	152	
	Pentachlorophenol	3300	2400	ug/Kg	73				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	1600	ug/Kg	94				58	104	
	Fluoranthene	1700	1500	ug/Kg	88				57	107	
	Pyrene	1700	1500	ug/Kg	88				59	103	
	Butylbenzylphthalate	1700	1600	ug/Kg	94				55	103	
	3,3-Dichlorobenzidine	1700	830	ug/Kg	49				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	1600	ug/Kg	94				54	135	
	Di-n-octyl phthalate	1700	1600	ug/Kg	94				52	137	
	Benzo(b)fluoranthene	1700	1400	ug/Kg	82				62	109	
	Benzo(k)fluoranthene	1700	1600	ug/Kg	94				62	109	
	Benzo(a)pyrene	1700	1500	ug/Kg	88				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	1200	ug/Kg	71				50	96	
	2,3,4,6-Tetrachlorophenol	1700	1500	ug/Kg	88				59	108	

4B

SEMIVOLATILE METHOD BLANK SUMMARY

Client ID

PB168737BL

Lab Name: Alliance

Contract: CAMP02

Lab Code: ACE

SDG NO.: Q2514

Lab File ID: BF143049.D

Lab Sample ID: PB168737BL

Instrument ID: BNA_F

Date Extracted: 07/07/2025

Matrix: (soil/water) SOIL

Date Analyzed: 07/09/2025

Level: (low/med) LOW

Time Analyzed: 11:23

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

EPA SAMPLE NO.	LAB SAMPLE ID	LAB FILE ID	DATE ANALYZED
PB168737BS	PB168737BS	BF143050.D	07/09/2025
TP-93	Q2514-02	BF143015.D	07/07/2025
TP-92	Q2514-01	BF143037.D	07/08/2025
TP-94	Q2514-03	BF143036.D	07/08/2025
TP-97	Q2514-05	BF143038.D	07/08/2025
TP-103	Q2514-06	BF143044.D	07/08/2025
TP-96	Q2514-04	BF143046.D	07/08/2025
TP-36	Q2514-07	BF143030.D	07/08/2025
TP-78	Q2514-08	BF143031.D	07/08/2025
TP-78MS	Q2514-08MS	BF143032.D	07/08/2025
TP-78MSD	Q2514-08MSD	BF143033.D	07/08/2025
TP-81	Q2514-09	BF143035.D	07/08/2025
TP-90	Q2514-10	BF143045.D	07/08/2025

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.: Q2514
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: BF143002.D
Instrument ID: BNA_F

Contract: CAMP02
SDG NO.: Q2514
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-93	Q2514-02	BF143015.D	07/07/2025	18:21



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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.: Q2514
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-36	Q2514-07	BF143030.D	07/08/2025	13:31
TP-78	Q2514-08	BF143031.D	07/08/2025	14:02
TP-78MS	Q2514-08MS	BF143032.D	07/08/2025	14:32
TP-78MSD	Q2514-08MSD	BF143033.D	07/08/2025	15:03
TP-81	Q2514-09	BF143035.D	07/08/2025	16:05
TP-94	Q2514-03	BF143036.D	07/08/2025	16:36
TP-92	Q2514-01	BF143037.D	07/08/2025	17:07
TP-97	Q2514-05	BF143038.D	07/08/2025	17:37
TP-103	Q2514-06	BF143044.D	07/08/2025	20:42
TP-90	Q2514-10	BF143045.D	07/08/2025	21:12
TP-96	Q2514-04	BF143046.D	07/08/2025	21:42



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: BF143047.D
Instrument ID: BNA_F

Contract: CAMP02
SDG NO.: Q2514
DFTPP Injection Date: 07/09/2025
DFTPP Injection Time: 10:22

m/e	ION ABUNDANCE CRITERIA	% RELATIVE ABUNDANCE
51	10.0 - 80.0% of mass 198	33.7
68	Less than 2.0% of mass 69	0.6 (1.9) 1
69	Mass 69 relative abundance	30.9
70	Less than 2.0% of mass 69	0.0 (0.0) 1
127	10.0 - 80.0% of mass 198	43.5
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	5.8
275	10.0 - 60.0% of mass 198	26
365	Greater than 1% of mass 198	3.3
441	Present, but less than mass 443	15.1
442	Greater than 50% of mass 198	100
443	15.0 - 24.0% of mass 442	19.2 (19.2) 2

1-Value is % mass 69

2-Value is % mass 442

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

CLIENT ID	LAB SAMPLE ID	LAB FILE ID	DATE ANALYZED	TIME ANALYZED
SSTDCCC040	SSTDCCC040	BF143048.D	07/09/2025	10:52
PB168737BL	PB168737BL	BF143049.D	07/09/2025	11:23
PB168737BS	PB168737BS	BF143050.D	07/09/2025	11:54

8B

SEMIVOLATILE INTERNAL STANDARD AREA AND RT SUMMARY

Lab Name: Alliance

Lab Code: ACE

SDG NO.: Q2514

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-93	51019	6.88	169189	8.16	78799	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.: Q2514

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)

01

	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.						
TP-93	137500	11.40	140379	14.05	106598	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.: Q2514

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-92	52203	6.87	200559	8.16	103832	9.92
02 TP-94	53325	6.87	200031	8.16	97923	9.92
03 TP-96	51513	6.87	178914	8.16	77176	9.92
04 TP-97	53517	6.87	204226	8.16	107967	9.92
05 TP-103	56443	6.87	202963	8.16	92048	9.91
06 TP-36	51623	6.88	191789	8.16	97372	9.92
07 TP-78	50576	6.88	192739	8.16	95941	9.92
08 TP-78MS	50264	6.88	189189	8.16	92887	9.92
09 TP-78MSD	51205	6.88	192135	8.16	95468	9.92
10 TP-81	49332	6.87	187293	8.16	91194	9.92
11 TP-90	51734	6.87	174400	8.16	74685	9.91

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

IS2 (NPT) = Naphthalene-d8

IS3 (ANT) = Acenaphthene-d10

AREA UPPER LIMIT = +100% of internal standard area

AREA LOWER LIMIT = -50% of internal standard area

RT UPPER LIMIT = +0.50 minutes of internal standard RT

RT UPPER LIMIT = -0.50 minutes of internal standard RT

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

* Values outside of QC limits.

8C

SEMIVOLATILE INTERNAL STANDARD AREA AND RT SUMMARY

Lab Name: Alliance

Lab Code: ACE

SDG NO.: Q2514

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)

		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.						
01	TP-92	167385	11.40	99277	14.05	124285	15.55
02	TP-94	139376	11.40	103985	14.05	130813	15.55
03	TP-96	119858	11.40	136149	14.05	112713	15.55
04	TP-97	176632	11.40	101816	14.05	128852	15.55
05	TP-103	127469	11.40	129693	14.05	142779	15.55
06	TP-36	145951	11.40	94013	14.06	119996	15.55
07	TP-78	147510	11.40	94443	14.06	118368	15.55
08	TP-78MS	136328	11.40	97647	14.06	121597	15.55
09	TP-78MSD	140156	11.41	99167	14.06	122553	15.55
10	TP-81	135239	11.40	94806	14.05	119948	15.55
11	TP-90	119276	11.40	133812	14.05	110430	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 LOWER 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.: Q2514

Client ID : SSTDCCC040

Date Analyzed: 07/09/2025

Lab File ID: BF143048.D

Time Analyzed: 10:52

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	66592	6.875	257344	8.16	135062	9.92
UPPER LIMIT	133184	7.375	514688	8.657	270124	10.416
LOWER LIMIT	33296	6.375	128672	7.657	67531	9.416
EPA SAMPLE NO.						
01 PB168737BL	57363	6.87	220874	8.16	118712	9.92
02 PB168737BS	58302	6.88	228077	8.16	121529	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.: Q2514

Client ID: SSTDCCC040

Date Analyzed: 07/09/2025

Lab File ID: BF143048.D

Time Analyzed: 10:52

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	218580	11.41	110392	14.057	146270	15.545
UPPER LIMIT	437160	11.91	220784	14.557	292540	16.045
LOWER LIMIT	109290	10.91	55196	13.557	73135	15.045
EPA SAMPLE NO.						
01 PB168737BL	203771	11.40	110413	14.05	115591	15.55
02 PB168737BS	206226	11.40	108155	14.06	126456	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:	07/02/25
Project:	South River WM Replacement	Date Received:	07/03/25
Client Sample ID:	TP-92	SDG No.:	Q2514
Lab Sample ID:	Q2514-01	Matrix:	SOIL
Analytical Method:	8270E	% Solid:	87.4
Sample Wt/Vol:	30.05	Units:	g
Soil Aliquot Vol:			uL
Extraction Type :		Decanted :	N
Injection Volume :		GPC Factor :	1.0
Prep Method :	SW3541	Level :	LOW
		Test:	SVOC-TCL BNA -20
		Final Vol:	1000 uL
		GPC Cleanup :	N
		PH :	

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
BF143037.D	1	07/07/25 09:00	07/08/25 17:07	PB168737

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	34.2	U	34.2	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	31.0	U	31.0	190	ug/Kg

Report of Analysis

Client:	CDM Smith	Date Collected:	07/02/25
Project:	South River WM Replacement	Date Received:	07/03/25
Client Sample ID:	TP-92	SDG No.:	Q2514
Lab Sample ID:	Q2514-01	Matrix:	SOIL
Analytical Method:	8270E	% Solid:	87.4
Sample Wt/Vol:	30.05 Units: g	Final Vol:	1000 uL
Soil Aliquot Vol:	uL	Test:	SVOC-TCL BNA -20
Extraction Type :	Decanted : N	Level :	LOW
Injection Volume :	GPC Factor : 1.0	GPC Cleanup :	N PH :
Prep Method :	SW3541		

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
BF143037.D	1	07/07/25 09:00	07/08/25 17:07	PB168737

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	31.8	U	31.8	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	81.6	U	81.6	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:	07/02/25
Project:	South River WM Replacement	Date Received:	07/03/25
Client Sample ID:	TP-92	SDG No.:	Q2514
Lab Sample ID:	Q2514-01	Matrix:	SOIL
Analytical Method:	8270E	% Solid:	87.4
Sample Wt/Vol:	30.05 Units: g	Final Vol:	1000 uL
Soil Aliquot Vol:	uL	Test:	SVOC-TCL BNA -20
Extraction Type :	Decanted : N	Level :	LOW
Injection Volume :	GPC Factor : 1.0	GPC Cleanup :	N PH :
Prep Method :	SW3541		

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
BF143037.D	1	07/07/25 09:00	07/08/25 17:07	PB168737

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	81.5		18 - 112	54%	SPK: 150
13127-88-3	Phenol-d6	81.9		15 - 107	55%	SPK: 150
4165-60-0	Nitrobenzene-d5	50.8		18 - 107	51%	SPK: 100
321-60-8	2-Fluorobiphenyl	48.3		20 - 109	48%	SPK: 100
118-79-6	2,4,6-Tribromophenol	59.1		10 - 116	39%	SPK: 150
1718-51-0	Terphenyl-d14	37.4		10 - 105	37%	SPK: 100

INTERNAL STANDARDS

3855-82-1	1,4-Dichlorobenzene-d4	52200	6.869
1146-65-2	Naphthalene-d8	201000	8.157
15067-26-2	Acenaphthene-d10	104000	9.916
1517-22-2	Phenanthrene-d10	167000	11.404
1719-03-5	Chrysene-d12	99300	14.051
1520-96-3	Perylene-d12	124000	15.551

TENTATIVE IDENTIFIED COMPOUNDS

000123-42-2	2-Pentanone, 4-hydroxy-4-methyl-	220	AB	5.08	ug/Kg
000119-61-9	Benzophenone	260	J	10.6	ug/Kg
	unknown13.716	97.5	J	13.7	ug/Kg
	unknown13.886	99.0	J	13.9	ug/Kg
005694-69-9	Phenyl(2-phenyl-1,3-dioxolan-2-yl)	190	J	13.9	ug/Kg

Report of Analysis

Client:	CDM Smith	Date Collected:	07/02/25
Project:	South River WM Replacement	Date Received:	07/03/25
Client Sample ID:	TP-92	SDG No.:	Q2514
Lab Sample ID:	Q2514-01	Matrix:	SOIL
Analytical Method:	8270E	% Solid:	87.4
Sample Wt/Vol:	30.05 Units: g	Final Vol:	1000 uL
Soil Aliquot Vol:	uL	Test:	SVOC-TCL BNA -20
Extraction Type :	Decanted : N	Level :	LOW
Injection Volume :	GPC Factor : 1.0	GPC Cleanup :	N PH :
Prep Method :	SW3541		

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
BF143037.D	1	07/07/25 09:00	07/08/25 17:07	PB168737

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\BF070825\
Data File : BF143037.D
Acq On : 08 Jul 2025 17:07
Operator : RC/JU
Sample : Q2514-01
Misc :
ALS Vial : 14 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
TP-92

Quant Time: Jul 08 17:26:50 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF061925.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Tue Jun 24 05:28:21 2025
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) 1,4-Dichlorobenzene-d4	6.869	152	52203	20.000	ng	-0.01
21) Naphthalene-d8	8.157	136	200559	20.000	ng	-0.01
39) Acenaphthene-d10	9.916	164	103832	20.000	ng	0.00
64) Phenanthrene-d10	11.404	188	167385	20.000	ng	0.00
76) Chrysene-d12	14.051	240	99277	20.000	ng	0.00
86) Perylene-d12	15.551	264	124285	20.000	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.492	112	255480	81.481	ng	0.00
7) Phenol-d6	6.504	99	302790	81.852	ng	0.00
23) Nitrobenzene-d5	7.434	82	185694	50.785	ng	-0.01
42) 2,4,6-Tribromophenol	10.704	330	63136	59.088	ng	-0.01
45) 2-Fluorobiphenyl	9.233	172	381716	48.294	ng	-0.01
79) Terphenyl-d14	12.992	244	268963	37.433	ng	0.00

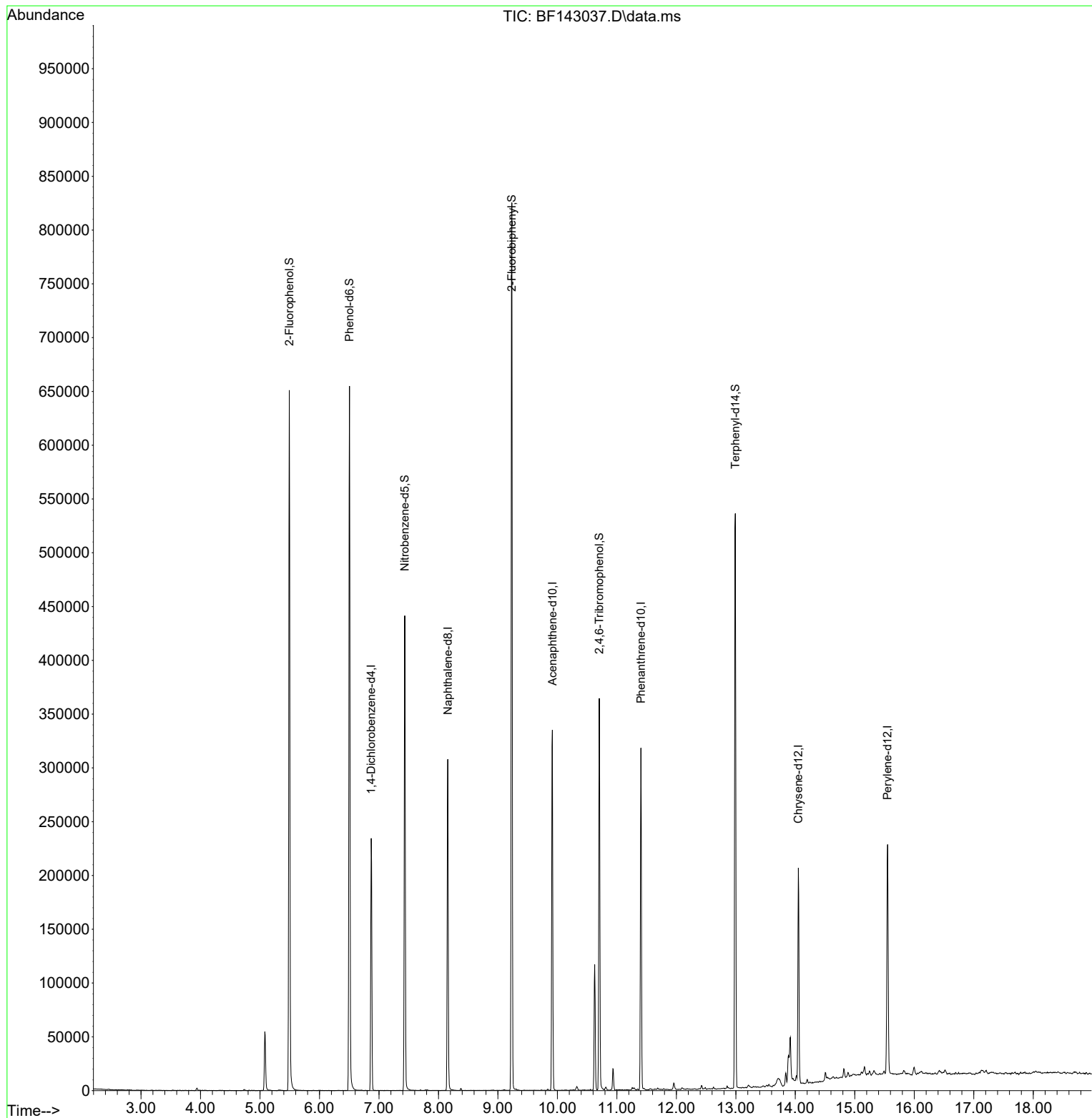
Target Compounds	Qvalue

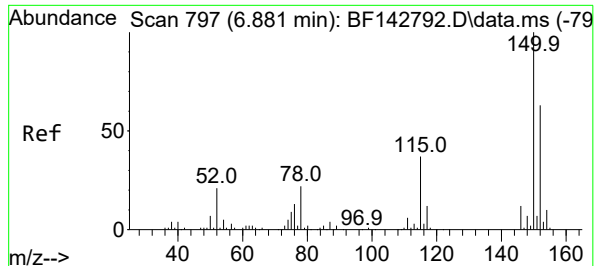
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF070825\
Data File : BF143037.D
Acq On : 08 Jul 2025 17:07
Operator : RC/JU
Sample : Q2514-01
Misc :
ALS Vial : 14 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
TP-92

Quant Time: Jul 08 17:26:50 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF061925.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Tue Jun 24 05:28:21 2025
Response via : Initial Calibration

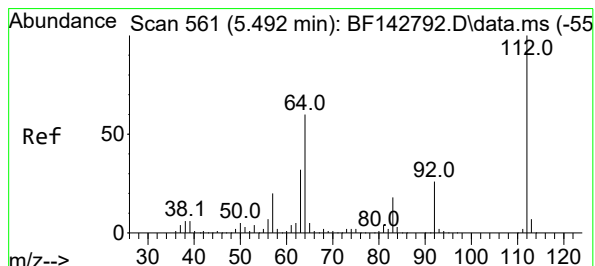
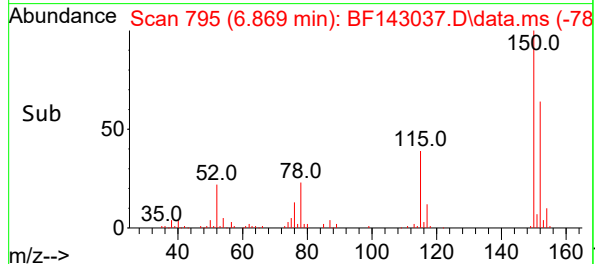
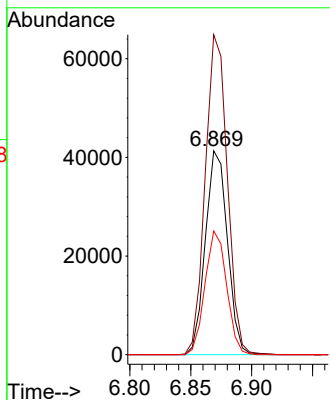
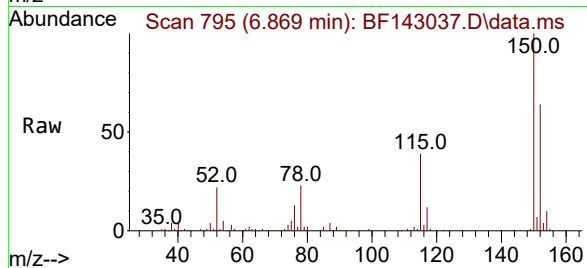




#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.869 min Scan# 797
Delta R.T. -0.012 min
Lab File: BF143037.D
Acq: 08 Jul 2025 17:07

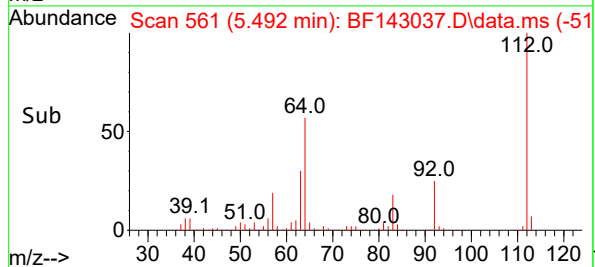
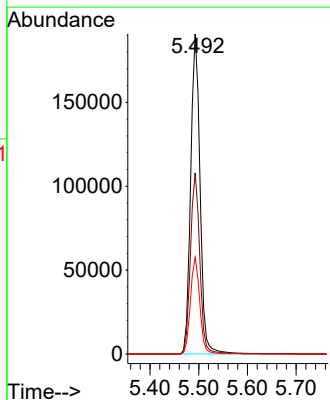
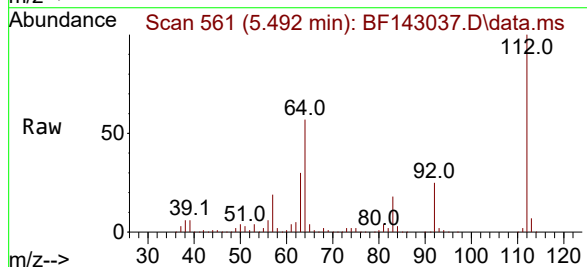
Instrument :
BNA_F
ClientSampleId :
TP-92

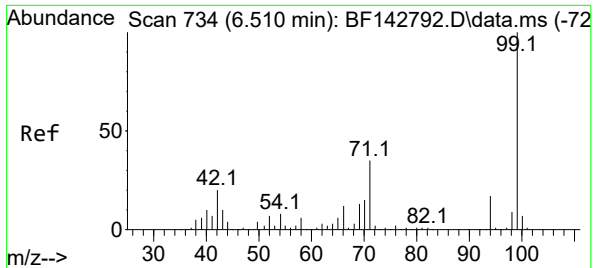
Tgt Ion:152 Resp: 52203
Ion Ratio Lower Upper
152 100
150 156.9 127.2 190.8
115 60.7 46.6 69.8



#5
2-Fluorophenol
Concen: 81.481 ng
RT: 5.492 min Scan# 561
Delta R.T. 0.000 min
Lab File: BF143037.D
Acq: 08 Jul 2025 17:07

Tgt Ion:112 Resp: 255480
Ion Ratio Lower Upper
112 100
64 56.6 48.2 72.2
63 30.2 25.7 38.5

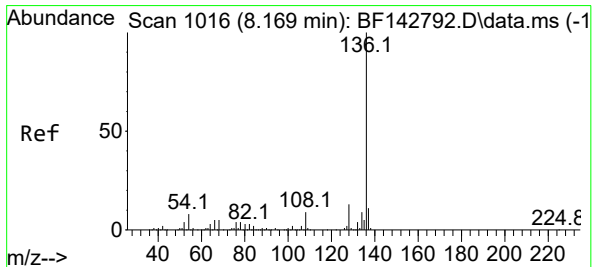
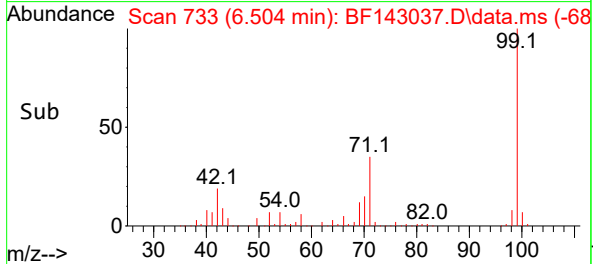
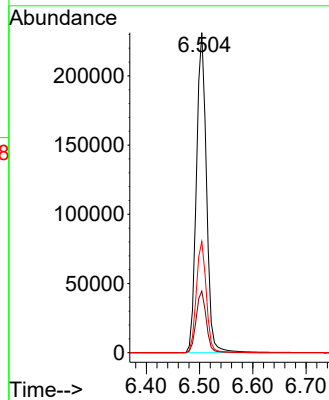
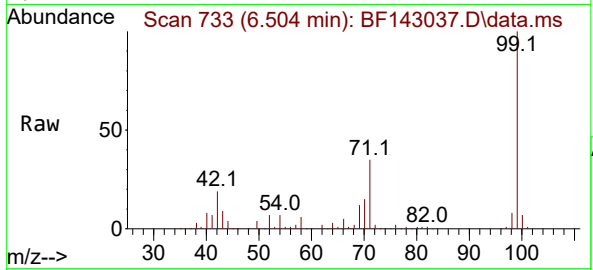




#7
Phenol-d6
Concen: 81.852 ng
RT: 6.504 min Scan# 71
Delta R.T. -0.006 min
Lab File: BF143037.D
Acq: 08 Jul 2025 17:07

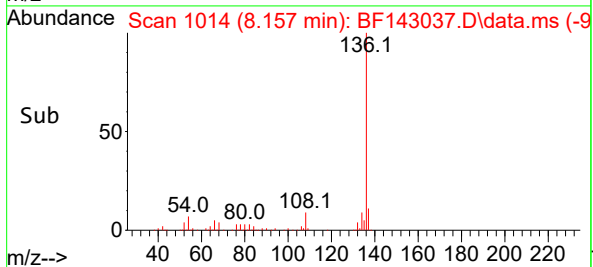
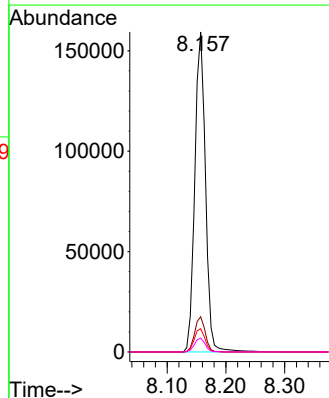
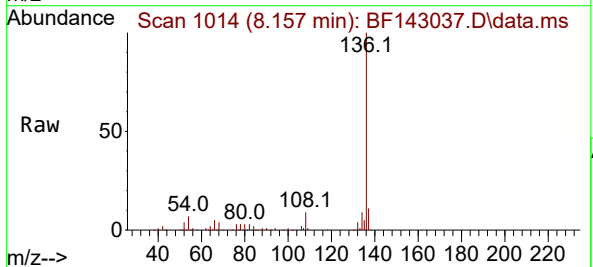
Instrument :
BNA_F
ClientSampleId :
TP-92

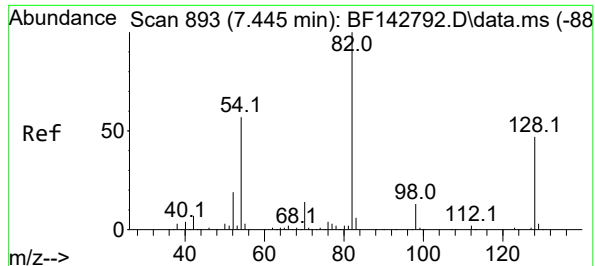
Tgt Ion: 99 Resp: 302790
Ion Ratio Lower Upper
99 100
42 19.3 15.9 23.9
71 34.7 27.8 41.8



#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.157 min Scan# 1014
Delta R.T. -0.012 min
Lab File: BF143037.D
Acq: 08 Jul 2025 17:07

Tgt Ion: 136 Resp: 200559
Ion Ratio Lower Upper
136 100
137 11.0 8.4 12.6
54 7.2 6.3 9.5
68 4.3 3.7 5.5





#23

Nitrobenzene-d5

Concen: 50.785 ng

RT: 7.434 min Scan# 89

Delta R.T. -0.011 min

Lab File: BF143037.D

Acq: 08 Jul 2025 17:07

Instrument :

BNA_F

ClientSampleId :

TP-92

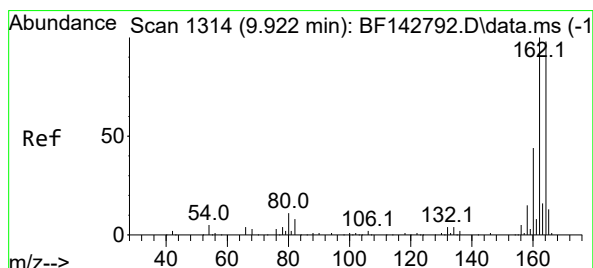
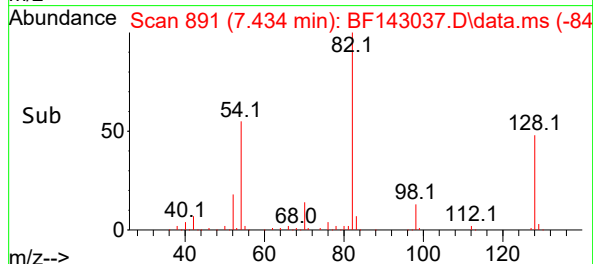
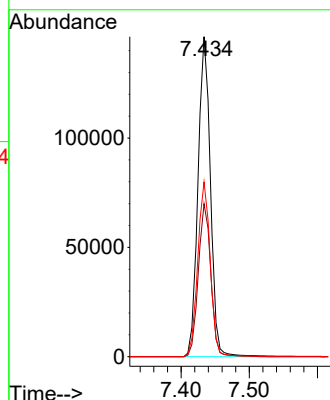
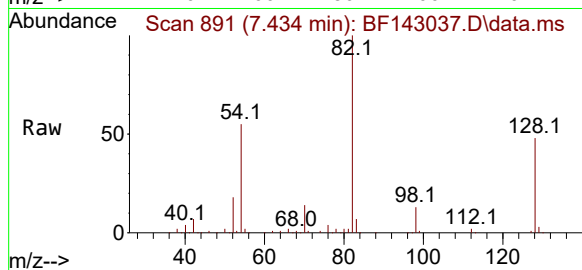
Tgt Ion: 82 Resp: 185694

Ion Ratio Lower Upper

82 100

128 47.8 37.7 56.5

54 54.6 45.7 68.5



#39

Acenaphthene-d10

Concen: 20.000 ng

RT: 9.916 min Scan# 1313

Delta R.T. -0.006 min

Lab File: BF143037.D

Acq: 08 Jul 2025 17:07

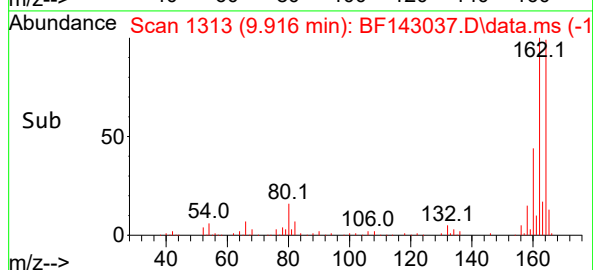
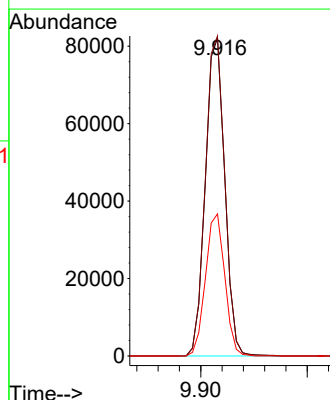
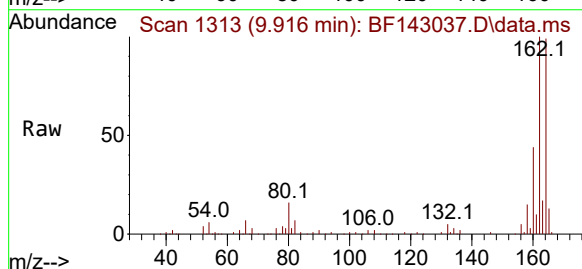
Tgt Ion:164 Resp: 103832

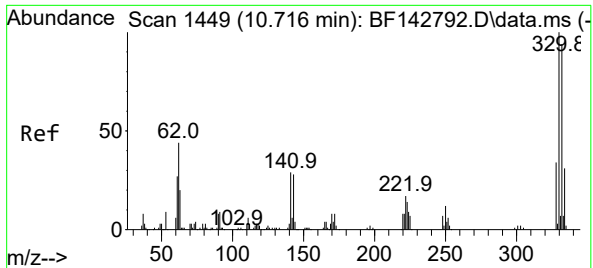
Ion Ratio Lower Upper

164 100

162 100.7 81.8 122.8

160 44.7 36.0 54.0





#42

2,4,6-Tribromophenol

Concen: 59.088 ng

RT: 10.704 min Scan# 1447

Delta R.T. -0.012 min

Lab File: BF143037.D

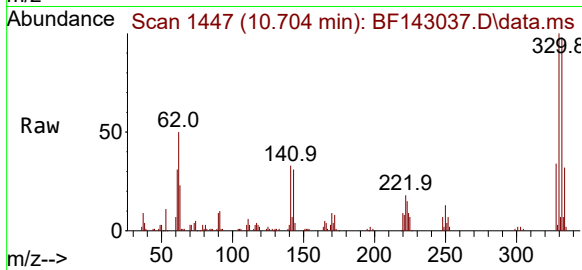
Acq: 08 Jul 2025 17:07

Instrument :

BNA_F

ClientSampleId :

TP-92



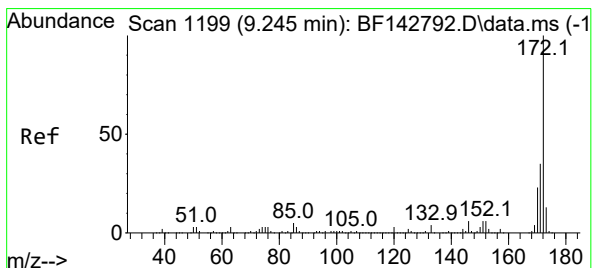
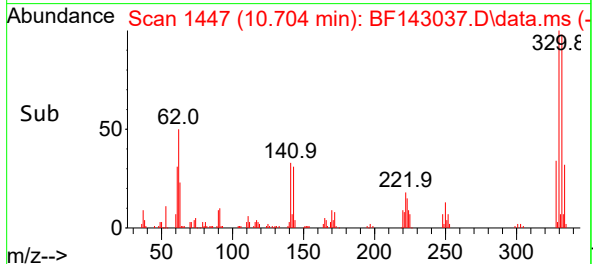
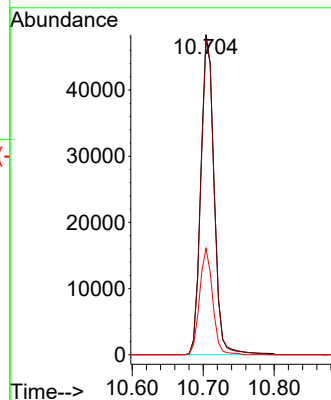
Tgt Ion:330 Resp: 63136

Ion Ratio Lower Upper

330 100

332 98.6 75.0 112.6

141 32.4 25.3 37.9



#45

2-Fluorobiphenyl

Concen: 48.294 ng

RT: 9.233 min Scan# 1197

Delta R.T. -0.012 min

Lab File: BF143037.D

Acq: 08 Jul 2025 17:07

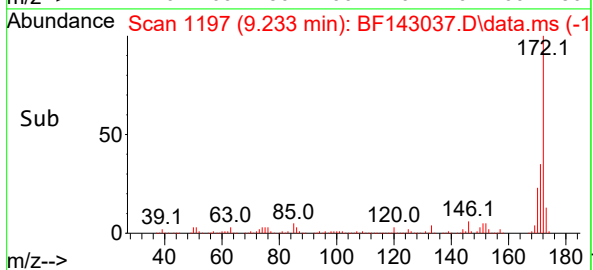
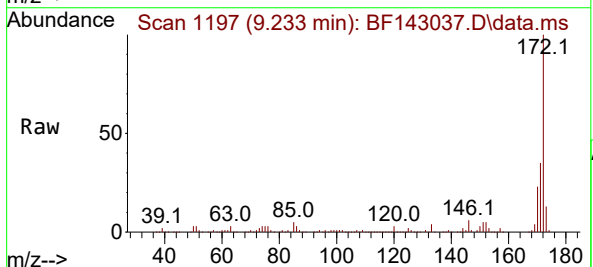
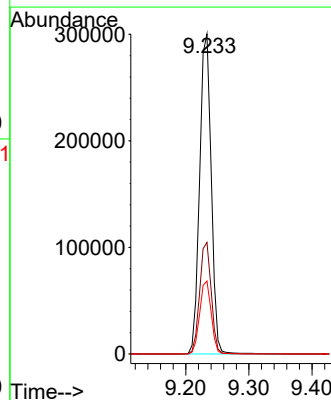
Tgt Ion:172 Resp: 381716

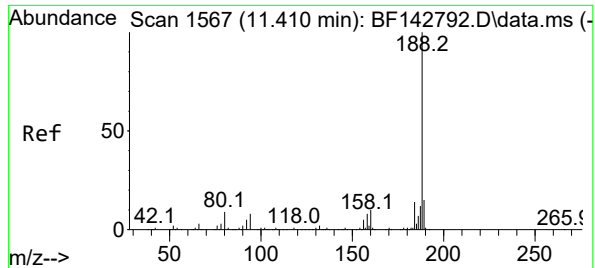
Ion Ratio Lower Upper

172 100

171 34.9 28.2 42.4

170 22.8 18.5 27.7

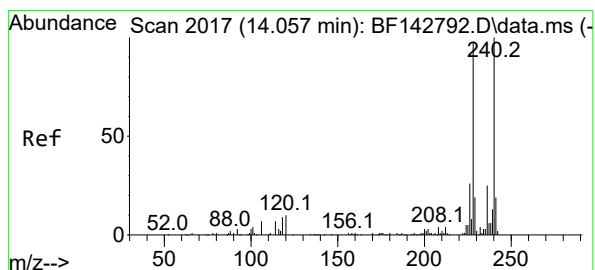
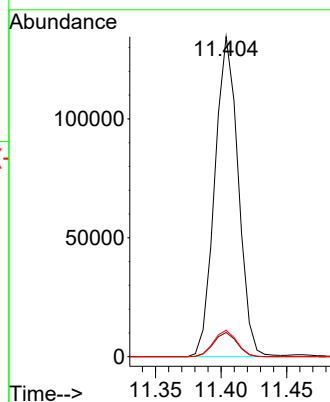
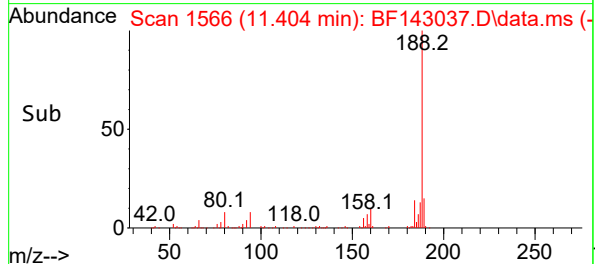
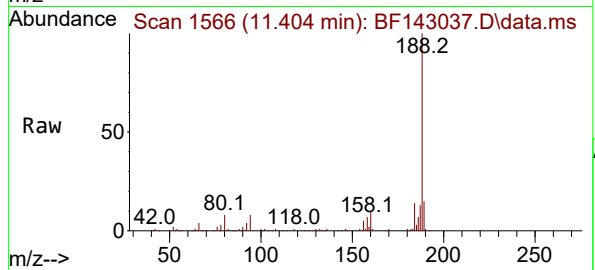




#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.404 min Scan# 1
Delta R.T. -0.006 min
Lab File: BF143037.D
Acq: 08 Jul 2025 17:07

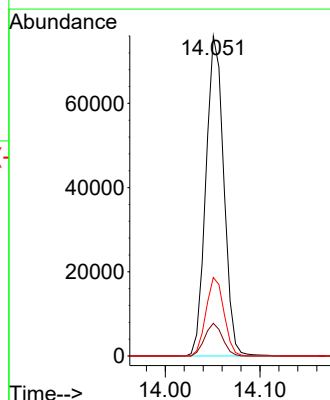
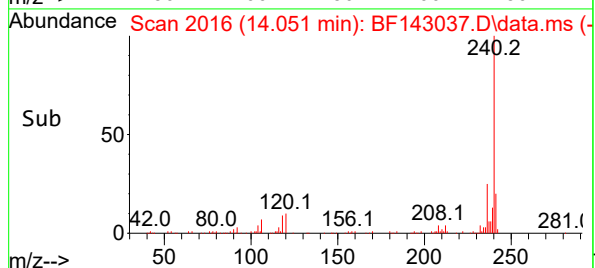
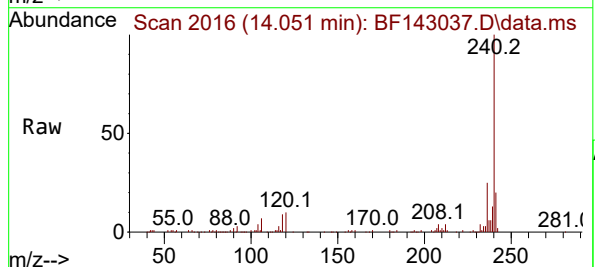
Instrument :
BNA_F
ClientSampleId :
TP-92

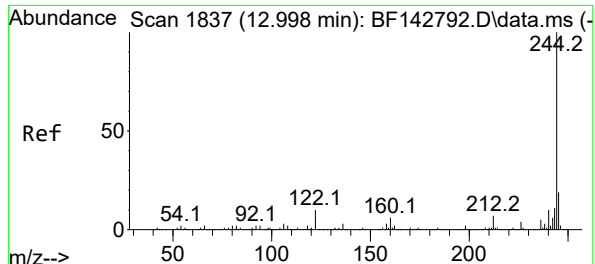
Tgt Ion	Ratio	Lower	Upper
188	100		
94	7.6	6.7	10.1
80	8.2	6.9	10.3



#76
Chrysene-d12
Concen: 20.000 ng
RT: 14.051 min Scan# 2016
Delta R.T. -0.006 min
Lab File: BF143037.D
Acq: 08 Jul 2025 17:07

Tgt Ion	Ratio	Lower	Upper
240	100		
120	10.2	8.2	12.2
236	24.6	19.8	29.8





#79

Terphenyl-d14

Concen: 37.433 ng

RT: 12.992 min Scan# 1836

Delta R.T. -0.006 min

Lab File: BF143037.D

Acq: 08 Jul 2025 17:07

Instrument :

BNA_F

ClientSampleId :

TP-92

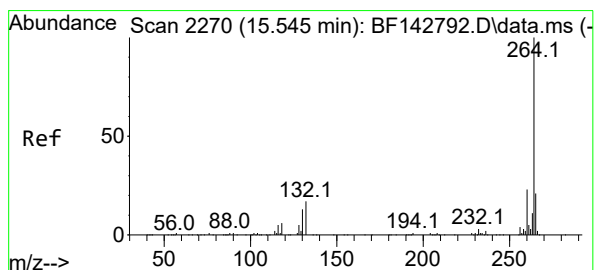
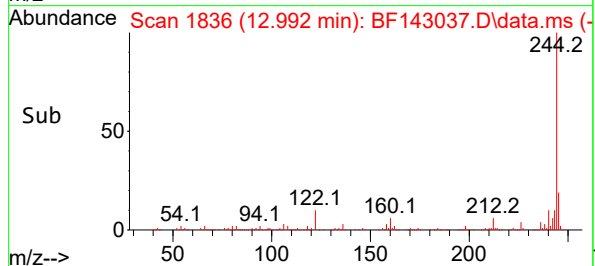
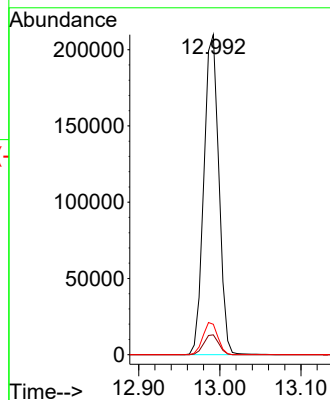
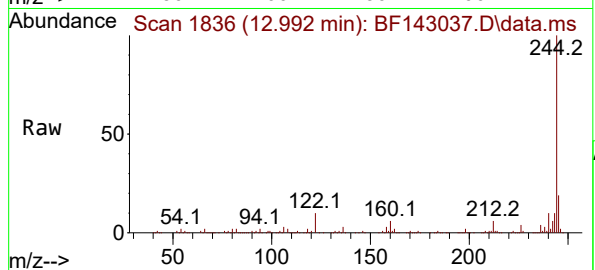
Tgt Ion:244 Resp: 268963

Ion Ratio Lower Upper

244 100

212 6.2 5.4 8.0

122 9.5 8.2 12.2



#86

Perylene-d12

Concen: 20.000 ng

RT: 15.551 min Scan# 2271

Delta R.T. 0.006 min

Lab File: BF143037.D

Acq: 08 Jul 2025 17:07

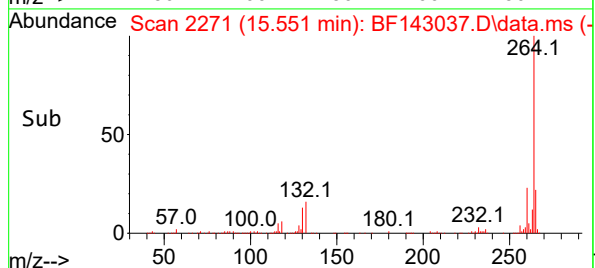
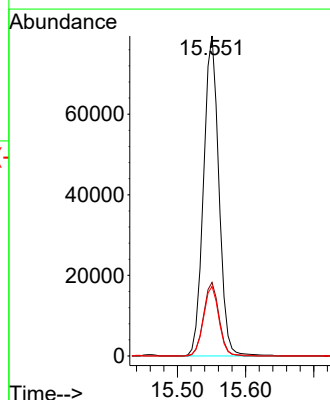
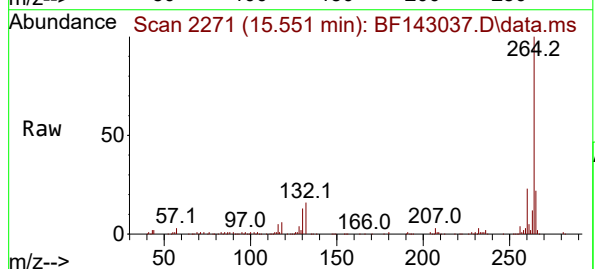
Tgt Ion:264 Resp: 124285

Ion Ratio Lower Upper

264 100

260 23.0 18.1 27.1

265 21.8 16.6 25.0



Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF070825\
 Data File : BF143037.D
 Acq On : 08 Jul 2025 17:07
 Operator : RC/JU
 Sample : Q2514-01
 Misc :
 ALS Vial : 14 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 TP-92

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: BF143037.D\data.ms

peak #	R.T. min	first scan	max scan	last scan	PK TY	peak height	corr. area	corr. % max.	% of total
1	5.081	483	491	502	rBV	54804	83163	7.92%	1.194%
2	5.492	556	561	576	rBV	650797	859813	81.87%	12.348%
3	6.504	727	733	752	rBV	654765	856940	81.59%	12.307%
4	6.869	790	795	805	rBV	234339	290017	27.61%	4.165%
5	7.434	886	891	910	rBV	441385	557446	53.08%	8.006%
6	8.157	1009	1014	1028	rBV	307777	382598	36.43%	5.495%
7	9.233	1191	1197	1202	rBV	825057	1050244	100.00%	15.083%
8	9.916	1308	1313	1318	rBV	334991	423185	40.29%	6.078%
9	10.627	1429	1434	1442	rBV	116816	146668	13.97%	2.106%
10	10.704	1442	1447	1460	rVV	364053	460837	43.88%	6.618%
11	10.933	1477	1486	1492	rVB	19990	27496	2.62%	0.395%
12	11.404	1561	1566	1573	rBV	317681	392373	37.36%	5.635%
13	12.992	1830	1836	1841	rBV	534188	686369	65.35%	9.857%
14	13.715	1947	1959	1972	rVB	7285	33186	3.16%	0.477%
15	13.839	1975	1980	1983	rBV	11754	17886	1.70%	0.257%
16	13.886	1983	1988	1989	rBV	24407	33816	3.22%	0.486%
17	13.915	1989	1993	1999	rVB	39042	63901	6.08%	0.918%
18	14.051	2012	2016	2023	rVB	200167	259768	24.73%	3.731%
19	14.815	2143	2146	2151	rVB	7932	10833	1.03%	0.156%
20	15.551	2265	2271	2279	rVB	212640	326505	31.09%	4.689%

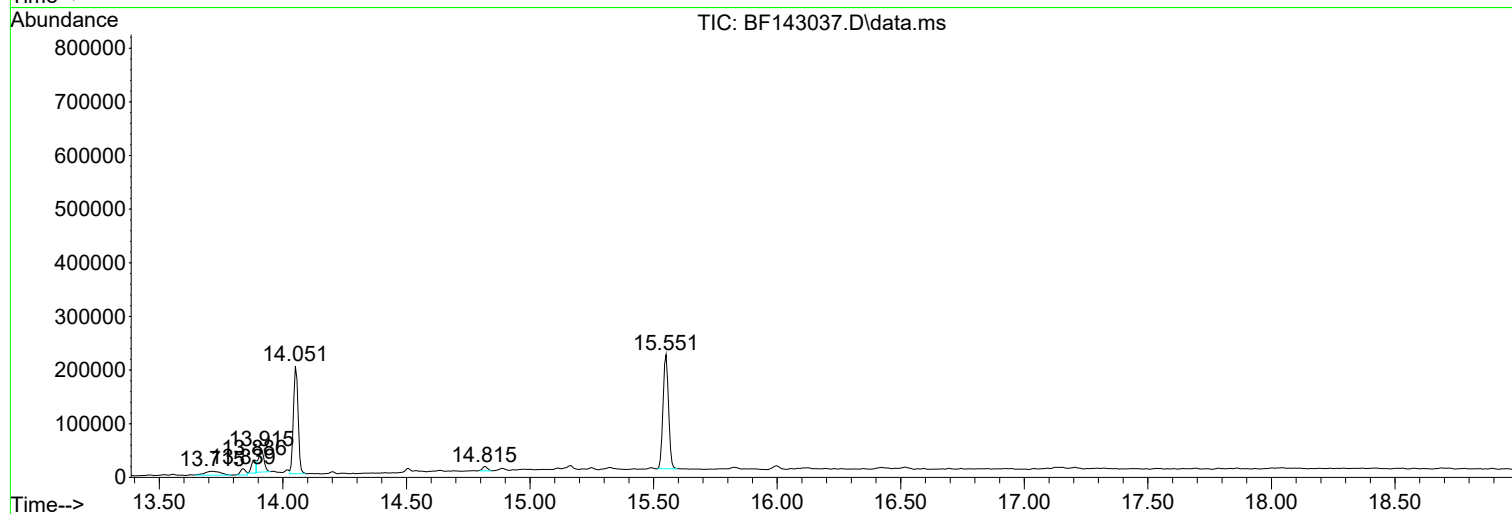
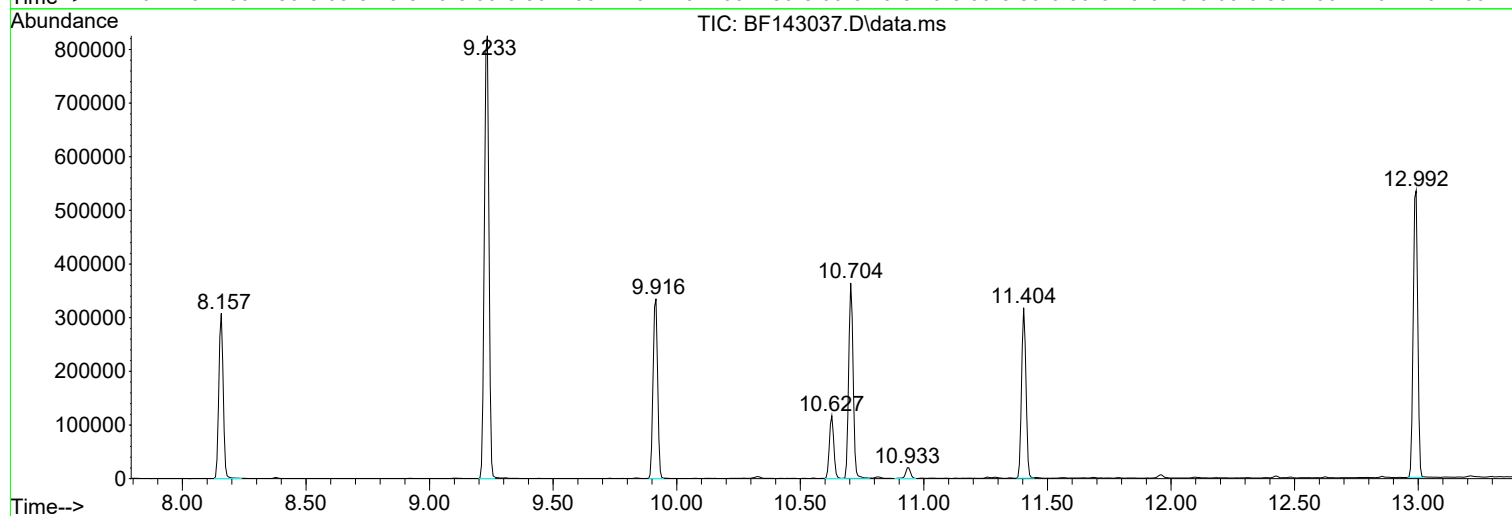
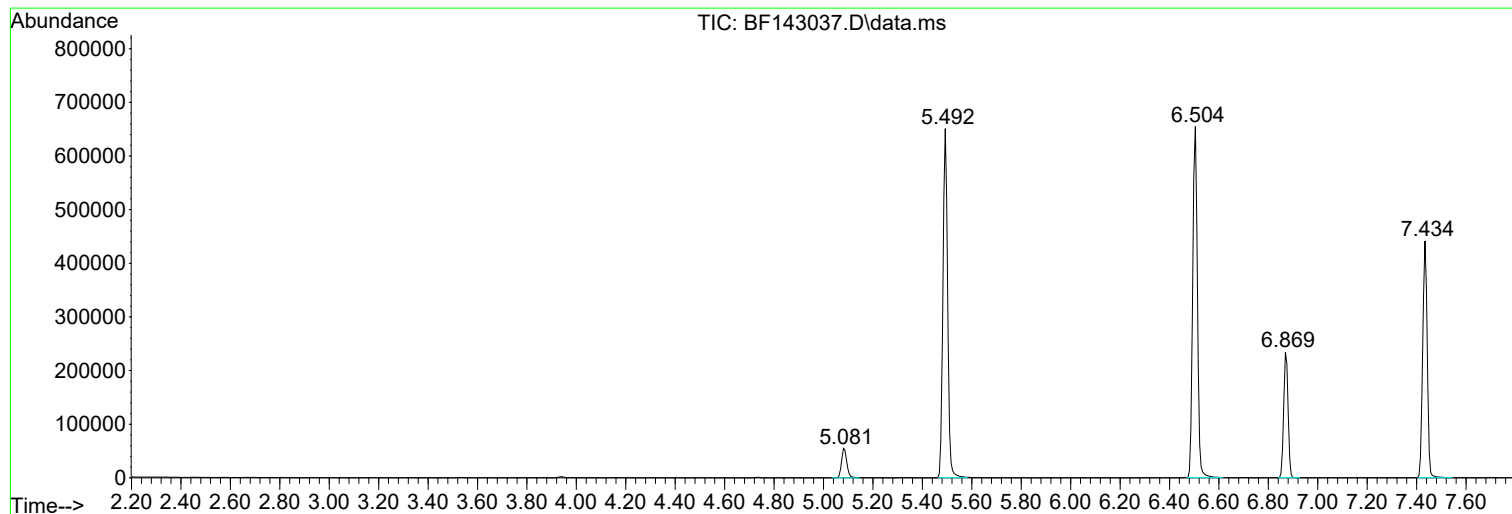
Sum of corrected areas: 6963044

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF070825\
Data File : BF143037.D
Acq On : 08 Jul 2025 17:07
Operator : RC/JU
Sample : Q2514-01
Misc :
ALS Vial : 14 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
TP-92

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\BF070825\
Data File : BF143037.D
Acq On : 08 Jul 2025 17:07
Operator : RC/JU
Sample : Q2514-01
Misc :
ALS Vial : 14 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
TP-92

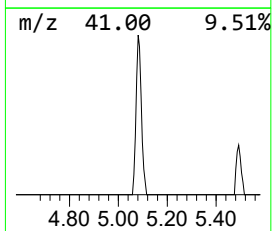
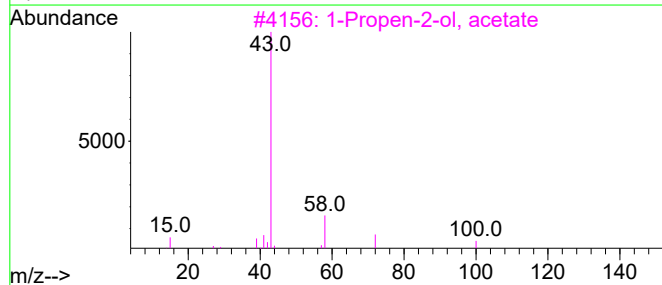
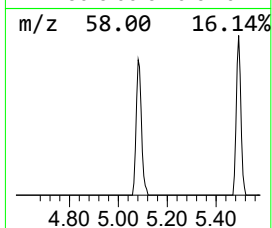
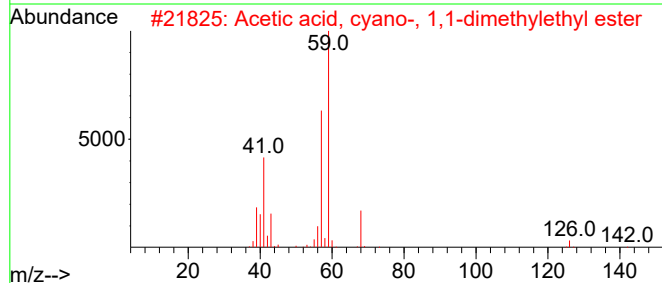
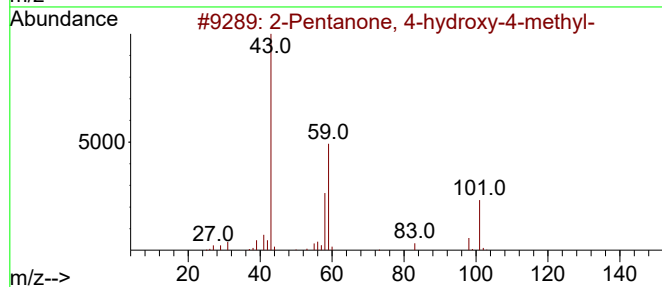
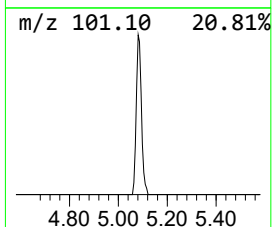
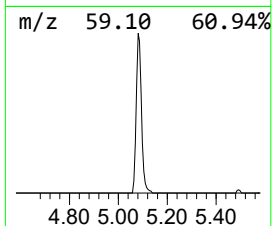
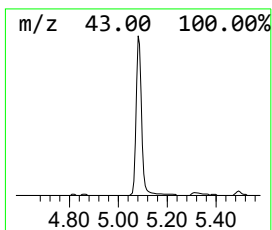
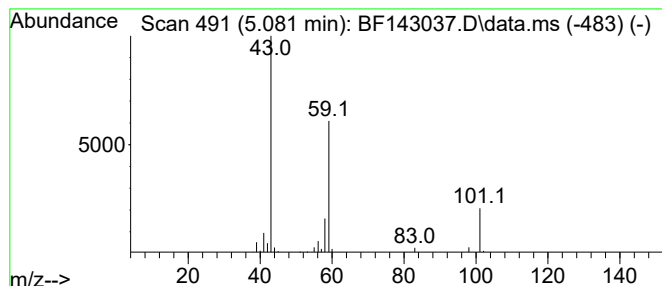
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

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

R.T.	EstConc	Area	Relative to ISTD	R.T.
5.081	5.74 ng	83163	1,4-Dichlorobenzene-d4	6.869

Hit#	of	5	Tentative ID	MW	MolForm	CAS#	Qual
1	2-Pentanone, 4-hydroxy-4-methyl-	116	C6H12O2	000123-42-2	56		
2	Acetic acid, cyano-, 1,1-dimethy...	141	C7H11NO2	001116-98-9	17		
3	1-Propen-2-ol, acetate	100	C5H8O2	000108-22-5	10		
4	2,3-Butanedione, monooxime	101	C4H7NO2	000057-71-6	9		
5	Butane, 1-ethoxy-	102	C6H14O	000628-81-9	9		



Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF070825\
Data File : BF143037.D
Acq On : 08 Jul 2025 17:07
Operator : RC/JU
Sample : Q2514-01
Misc :
ALS Vial : 14 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
TP-92

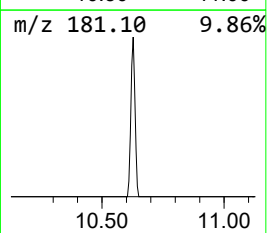
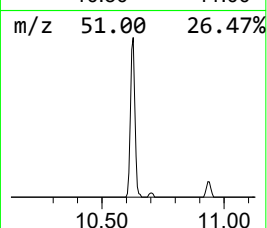
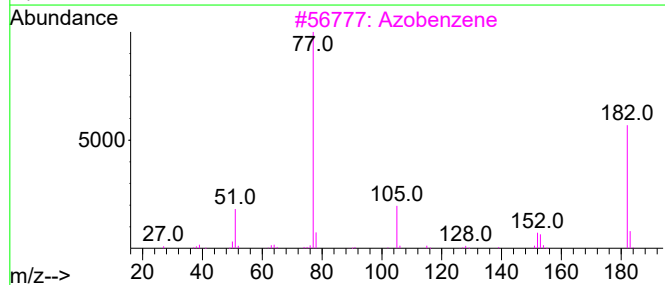
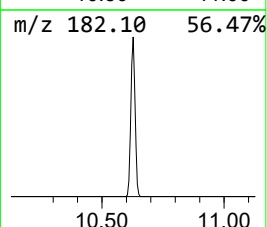
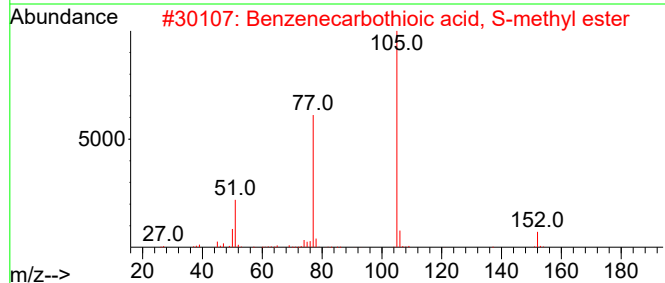
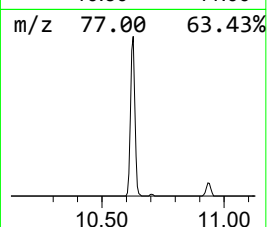
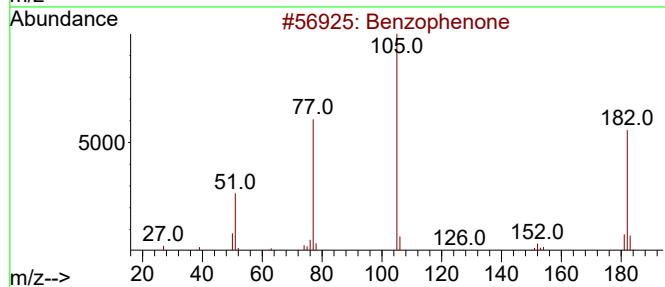
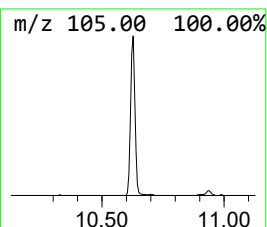
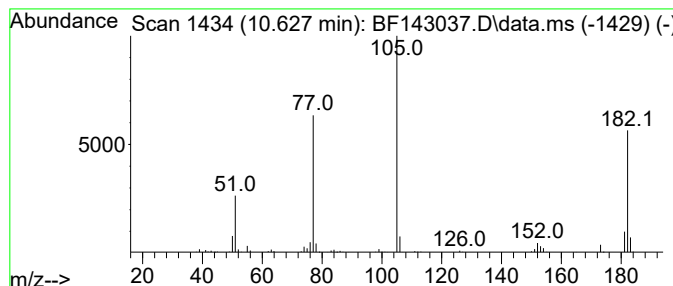
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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.
10.627	6.93 ng	146668	Acenaphthene-d10	9.916

Hit#	of	5	Tentative ID	MW	MolForm	CAS#	Qual
1			Benzophenone	182	C13H10O	000119-61-9	96
2			Benzenecarbothioic acid, S-methy...	152	C8H8OS	005925-68-8	60
3			Azobenzene	182	C12H10N2	000103-33-3	53
4			Disulfide, dibenzoyl	274	C14H10O2S2	000644-32-6	46
5			1-Propanone, 2-bromo-1-phenyl-	212	C9H9BrO	002114-00-3	43



Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF070825\
Data File : BF143037.D
Acq On : 08 Jul 2025 17:07
Operator : RC/JU
Sample : Q2514-01
Misc :
ALS Vial : 14 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
TP-92

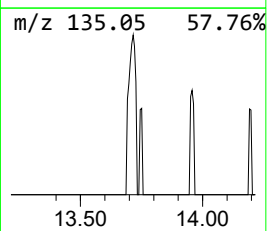
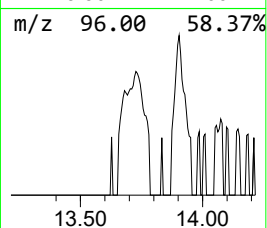
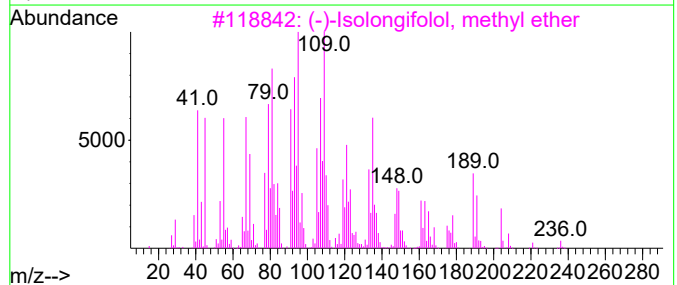
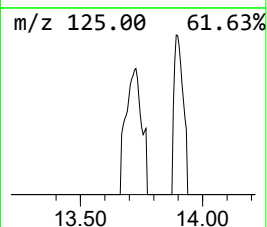
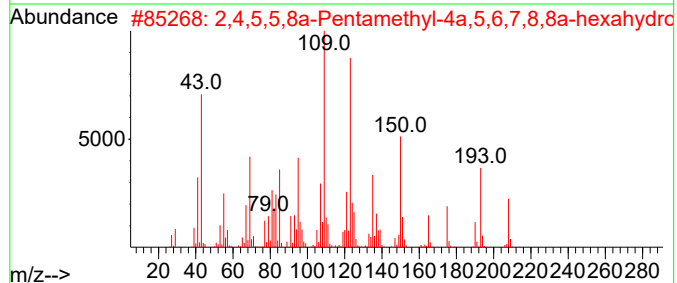
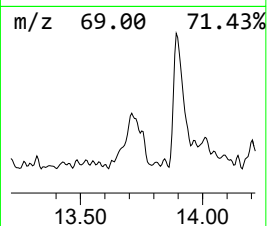
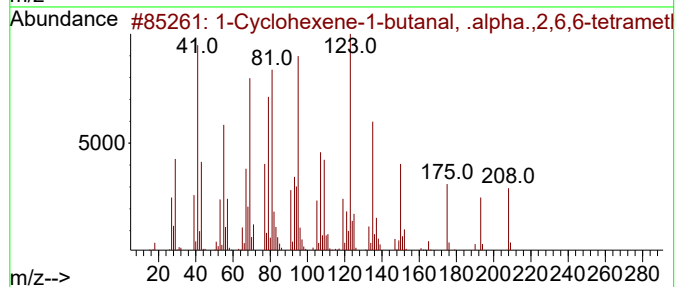
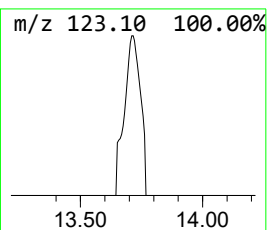
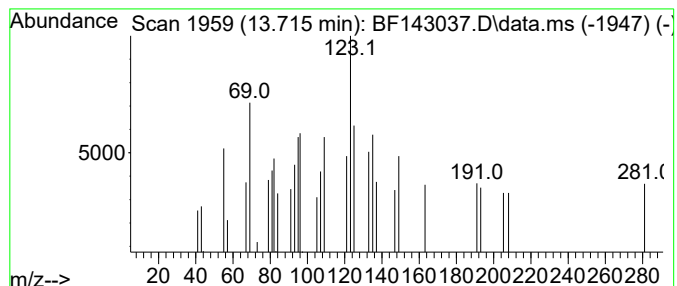
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 3 unknown13.716 Concentration Rank 5

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.716	2.56 ng	33186	Chrysene-d12	14.051

Hit#	of	5	Tentative ID	MW	MolForm	CAS#	Qual
1			1-Cyclohexene-1-butanal, .alpha....	208	C14H24O	021632-06-4	43
2			2,4,5,5,8a-Pentamethyl-4a,5,6,7,...	208	C14H24O	1010195-30-1	35
3			(-)-Isolongifolol, methyl ether	236	C16H28O	1000333-80-8	27
4			5-(3,3-Dimethylbicyclo[2.2.1]hept-2-en-2-yl)-2-methyl-2-butanol	206	C14H22O	1000497-97-7	22
5			Naphthalene, decahydro-1,4a-dimethano-	208	C15H28	030824-81-8	18



Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF070825\
Data File : BF143037.D
Acq On : 08 Jul 2025 17:07
Operator : RC/JU
Sample : Q2514-01
Misc :
ALS Vial : 14 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
TP-92

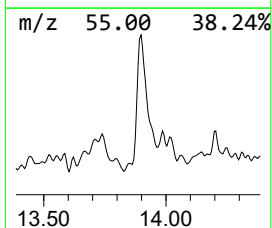
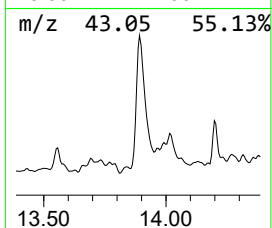
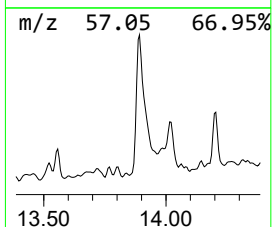
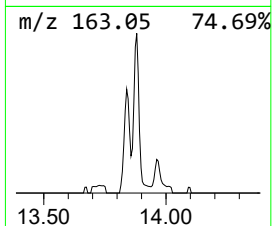
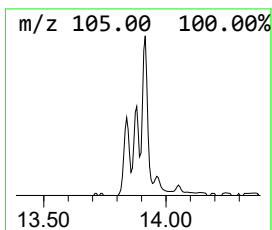
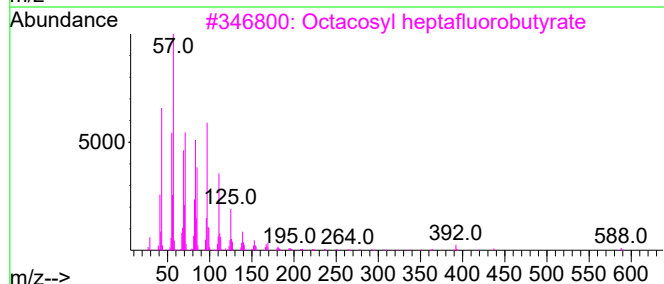
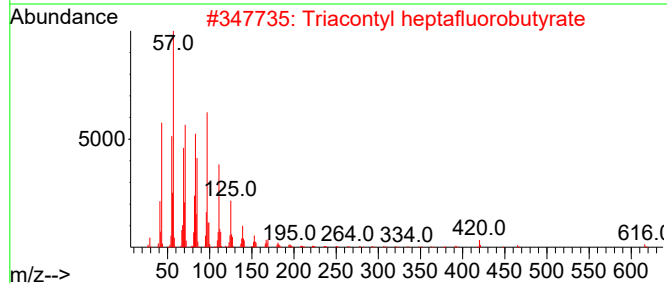
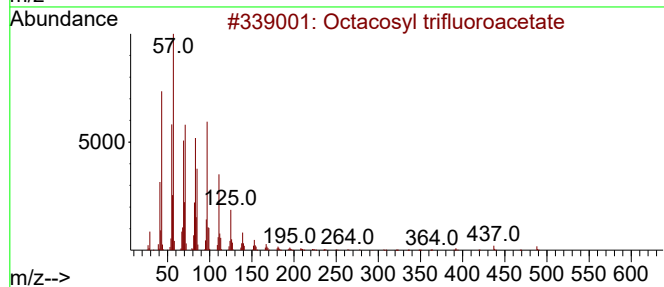
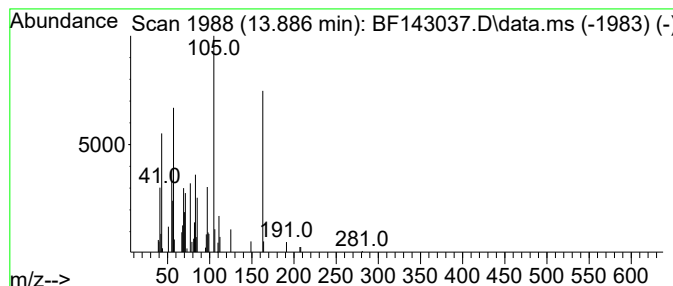
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 4 unknown13.886 Concentration Rank 4

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.886	2.60 ng	33816	Chrysene-d12	14.051

Hit#	of	5	Tentative ID	MW	MolForm	CAS#	Qual
1			Octacosyl trifluoroacetate	506	C30H57F3O2	1000351-74-9	38
2			Triacontyl heptafluorobutyrate	634	C34H61F7O2	1000351-83-2	30
3			Octacosyl heptafluorobutyrate	606	C32H57F7O2	1010351-83-6	30
4			n-Tetracosanol-1	354	C24H50O	000506-51-4	30
5			Dotriacontyl pentafluoropropionate	612	C35H65F5O2	1010351-81-4	30



Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF070825\
Data File : BF143037.D
Acq On : 08 Jul 2025 17:07
Operator : RC/JU
Sample : Q2514-01
Misc :
ALS Vial : 14 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
TP-92

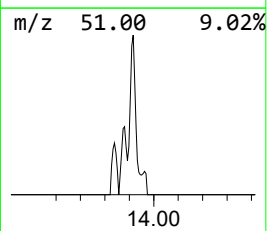
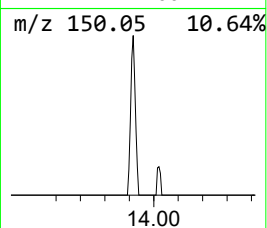
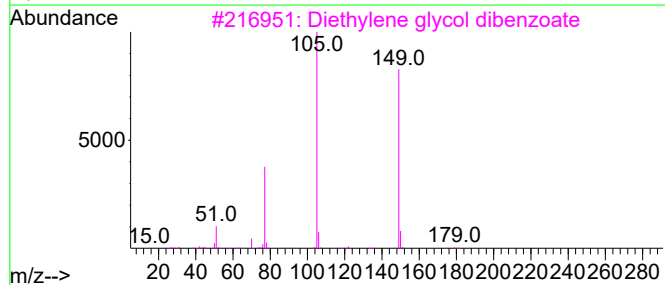
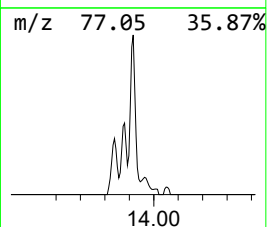
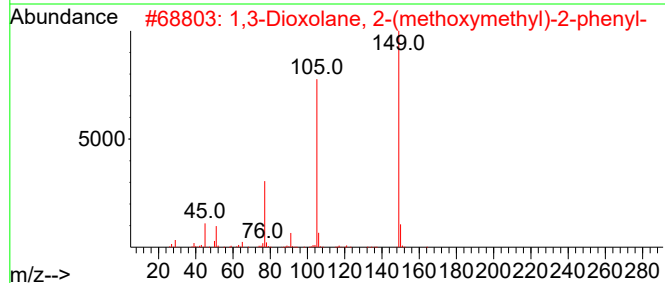
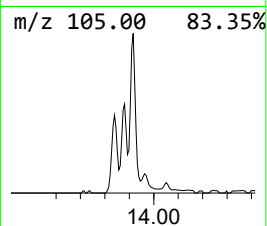
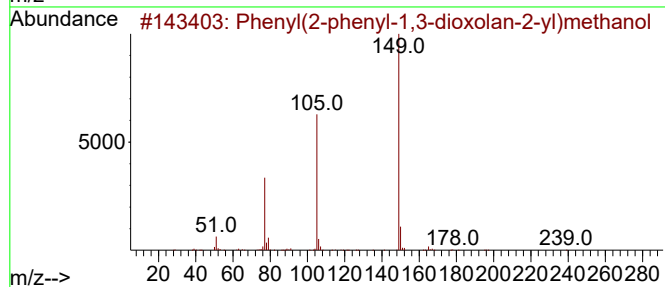
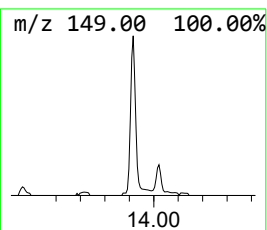
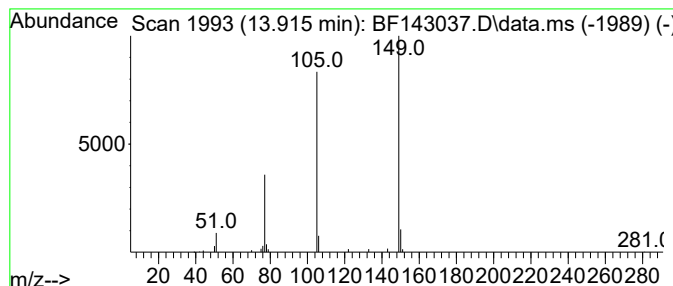
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 5 Phenyl(2-phenyl-1,3-dioxola... Concentration Rank 3

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.916	4.92 ng	63901	Chrysene-d12	14.051

Hit#	of	5	Tentative ID	MW	MolForm	CAS#	Qual
1			Phenyl(2-phenyl-1,3-dioxolan-2-y...	256	C16H16O3	005694-69-9	83
2			1,3-Dioxolane, 2-(methoxymethyl)...	194	C11H14O3	1000156-71-2	83
3			Diethylene glycol dibenzoate	314	C18H18O5	000120-55-8	78
4			3,6,9,12-Tetraoxatetradecane-1,1...	446	C24H30O8	1000366-97-0	78
5			Benzoic acid, 2-(3-nitrophenyl)e...	271	C15H13NO4	1000368-22-4	72



Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF070825\
Data File : BF143037.D
Acq On : 08 Jul 2025 17:07
Operator : RC/JU
Sample : Q2514-01
Misc :
ALS Vial : 14 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
TP-92

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

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

TIC Top Hit name	RT	EstConc	Units	Response	--Internal Standard--			
					#	RT	Resp	Conc
2-Pentanone, 4-...	5.081	5.7	ng	83163	1	6.869	290017	20.0
Benzophenone	10.627	6.9	ng	146668	3	9.916	423185	20.0
unknown13.716	13.716	2.6	ng	33186	5	14.051	259768	20.0
unknown13.886	13.886	2.6	ng	33816	5	14.051	259768	20.0
Phenyl(2-phenyl...	13.916	4.9	ng	63901	5	14.051	259768	20.0

Report of Analysis

Client:	CDM Smith	Date Collected:	07/02/25
Project:	South River WM Replacement	Date Received:	07/03/25
Client Sample ID:	TP-93	SDG No.:	Q2514
Lab Sample ID:	Q2514-02	Matrix:	SOIL
Analytical Method:	8270E	% Solid:	87.7
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
BF143015.D	1	07/07/25 09:00	07/07/25 18:21	PB168737

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	27.7	U	27.7	190	ug/Kg
95-57-8	2-Chlorophenol	27.8	U	27.8	190	ug/Kg
95-48-7	2-Methylphenol	34.1	U	34.1	190	ug/Kg
108-60-1	2,2-oxybis(1-Chloropropane)	42.7	U	42.7	190	ug/Kg
98-86-2	Acetophenone	33.6	U	33.6	190	ug/Kg
65794-96-9	3+4-Methylphenols	46.8	U	46.8	380	ug/Kg
621-64-7	n-Nitroso-di-n-propylamine	54.0	U	54.0	91.2	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	37.4	U	37.4	190	ug/Kg
88-75-5	2-Nitrophenol	66.3	U	66.3	190	ug/Kg
105-67-9	2,4-Dimethylphenol	73.9	U	73.9	190	ug/Kg
111-91-1	bis(2-Chloroethoxy)methane	35.1	U	35.1	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	28.8	U	28.8	190	ug/Kg
105-60-2	Caprolactam	59.4	U	59.4	380	ug/Kg
59-50-7	4-Chloro-3-methylphenol	32.7	U	32.7	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	24.8	U	24.8	190	ug/Kg
91-58-7	2-Chloronaphthalene	25.6	U	25.6	190	ug/Kg
88-74-4	2-Nitroaniline	54.8	U	54.8	190	ug/Kg
131-11-3	Dimethylphthalate	30.9	U	30.9	190	ug/Kg

Report of Analysis

Client:	CDM Smith	Date Collected:	07/02/25
Project:	South River WM Replacement	Date Received:	07/03/25
Client Sample ID:	TP-93	SDG No.:	Q2514
Lab Sample ID:	Q2514-02	Matrix:	SOIL
Analytical Method:	8270E	% Solid:	87.7
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
BF143015.D	1	07/07/25 09:00	07/07/25 18:21	PB168737

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units(Dry Weight)
208-96-8	Acenaphthylene	32.9	U	32.9	190	ug/Kg
606-20-2	2,6-Dinitrotoluene	38.3	U	38.3	190	ug/Kg
99-09-2	3-Nitroaniline	52.4	U	52.4	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	57.1	U	57.1	190	ug/Kg
84-66-2	Diethylphthalate	32.3	U	32.3	190	ug/Kg
7005-72-3	4-Chlorophenyl-phenylether	30.4	U	30.4	190	ug/Kg
86-73-7	Fluorene	28.8	U	28.8	190	ug/Kg
100-01-6	4-Nitroaniline	73.2	U	73.2	190	ug/Kg
534-52-1	4,6-Dinitro-2-methylphenol	120	U	120	380	ug/Kg
86-30-6	n-Nitrosodiphenylamine	37.5	U	37.5	190	ug/Kg
101-55-3	4-Bromophenyl-phenylether	31.7	U	31.7	190	ug/Kg
118-74-1	Hexachlorobenzene	28.8	U	28.8	190	ug/Kg
1912-24-9	Atrazine	38.8	U	38.8	190	ug/Kg
87-86-5	Pentachlorophenol	58.5	U	58.5	380	ug/Kg
85-01-8	Phenanthrene	23.8	U	23.8	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	54.6	U	54.6	190	ug/Kg
206-44-0	Fluoranthene	34.2	U	34.2	190	ug/Kg
129-00-0	Pyrene	41.0	U	41.0	190	ug/Kg
85-68-7	Butylbenzylphthalate	81.4	U	81.4	190	ug/Kg
91-94-1	3,3-Dichlorobenzidine	41.8	U	41.8	380	ug/Kg
56-55-3	Benzo(a)anthracene	26.2	U	26.2	190	ug/Kg
218-01-9	Chrysene	22.7	U	22.7	190	ug/Kg
117-81-7	Bis(2-ethylhexyl)phthalate	67.5	U	67.5	190	ug/Kg
117-84-0	Di-n-octyl phthalate	98.9	U	98.9	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:	07/02/25
Project:	South River WM Replacement	Date Received:	07/03/25
Client Sample ID:	TP-93	SDG No.:	Q2514
Lab Sample ID:	Q2514-02	Matrix:	SOIL
Analytical Method:	8270E	% Solid:	87.7
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
BF143015.D	1	07/07/25 09:00	07/07/25 18:21	PB168737

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units(Dry Weight)
207-08-9	Benzo(k)fluoranthene	25.5	U	25.5	190	ug/Kg
50-32-8	Benzo(a)pyrene	33.6	U	33.6	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	31.2	U	31.2	190	ug/Kg
191-24-2	Benzo(g,h,i)perylene	29.3	U	29.3	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	51.5	U	51.5	190	ug/Kg
58-90-2	2,3,4,6-Tetrachlorophenol	31.2	U	31.2	190	ug/Kg

SURROGATES

367-12-4	2-Fluorophenol	62.0		18 - 112	41%	SPK: 150
13127-88-3	Phenol-d6	57.7		15 - 107	38%	SPK: 150
4165-60-0	Nitrobenzene-d5	41.0		18 - 107	41%	SPK: 100
321-60-8	2-Fluorobiphenyl	41.4		20 - 109	41%	SPK: 100
118-79-6	2,4,6-Tribromophenol	60.4		10 - 116	40%	SPK: 150
1718-51-0	Terphenyl-d14	28.0		10 - 105	28%	SPK: 100

INTERNAL STANDARDS

3855-82-1	1,4-Dichlorobenzene-d4	51000	6.875			
1146-65-2	Naphthalene-d8	169000	8.157			
15067-26-2	Acenaphthene-d10	78800	9.916			
1517-22-2	Phenanthrene-d10	138000	11.404			
1719-03-5	Chrysene-d12	140000	14.051			
1520-96-3	Perylene-d12	107000	15.545			

TENTATIVE IDENTIFIED COMPOUNDS

000123-42-2	2-Pentanone, 4-hydroxy-4-methyl-	170	AB		5.08	ug/Kg
000629-59-4	Tetradecane	80.9	J		9.31	ug/Kg
1000342-70-4	1-Octadecanesulphonyl chloride	100	J		9.63	ug/Kg
000629-50-5	Tridecane	130	J		9.84	ug/Kg
000629-92-5	Nonadecane	160	J		10.3	ug/Kg
000630-01-3	Hexacosane	87.4	J		10.6	ug/Kg
000119-61-9	Benzophenone	180	J		10.6	ug/Kg

Report of Analysis

Client:	CDM Smith	Date Collected:	07/02/25
Project:	South River WM Replacement	Date Received:	07/03/25
Client Sample ID:	TP-93	SDG No.:	Q2514
Lab Sample ID:	Q2514-02	Matrix:	SOIL
Analytical Method:	8270E	% Solid:	87.7
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
BF143015.D	1	07/07/25 09:00	07/07/25 18:21	PB168737

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units(Dry Weight)
000112-95-8	Eicosane	300	J		10.8	ug/Kg
000593-49-7	Heptacosane	140	J		11.3	ug/Kg
001921-70-6	Pentadecane, 2,6,10,14-tetramethyl	79.0	J		11.3	ug/Kg
000629-78-7	Heptadecane	130	J		11.7	ug/Kg
000057-10-3	n-Hexadecanoic acid	150	J		11.9	ug/Kg
000646-31-1	Tetracosane	100	J		12.1	ug/Kg
000630-02-4	Octacosane	81.3	J		12.5	ug/Kg
1010351-87-0	Heptadecyl trifluoroacetate	160	J		13.9	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 : BF143015.D
Acq On : 07 Jul 2025 18:21
Operator : RC/JU
Sample : Q2514-02
Misc :
ALS Vial : 14 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
TP-93

Quant Time: Jul 07 18:51:20 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF061925.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Tue Jun 24 05:28:21 2025
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) 1,4-Dichlorobenzene-d4	6.875	152	51019	20.000	ng	0.00
21) Naphthalene-d8	8.157	136	169189	20.000	ng	-0.01
39) Acenaphthene-d10	9.916	164	78799	20.000	ng	0.00
64) Phenanthrene-d10	11.404	188	137500	20.000	ng	0.00
76) Chrysene-d12	14.051	240	140379	20.000	ng	0.00
86) Perylene-d12	15.545	264	106598	20.000	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.493	112	189836	61.950	ng	0.00
7) Phenol-d6	6.504	99	208525	57.678	ng	0.00
23) Nitrobenzene-d5	7.434	82	126550	41.027	ng	-0.01
42) 2,4,6-Tribromophenol	10.704	330	48945	60.359	ng	-0.01
45) 2-Fluorobiphenyl	9.233	172	248334	41.400	ng	-0.01
79) Terphenyl-d14	12.986	244	284170	27.970	ng	-0.01

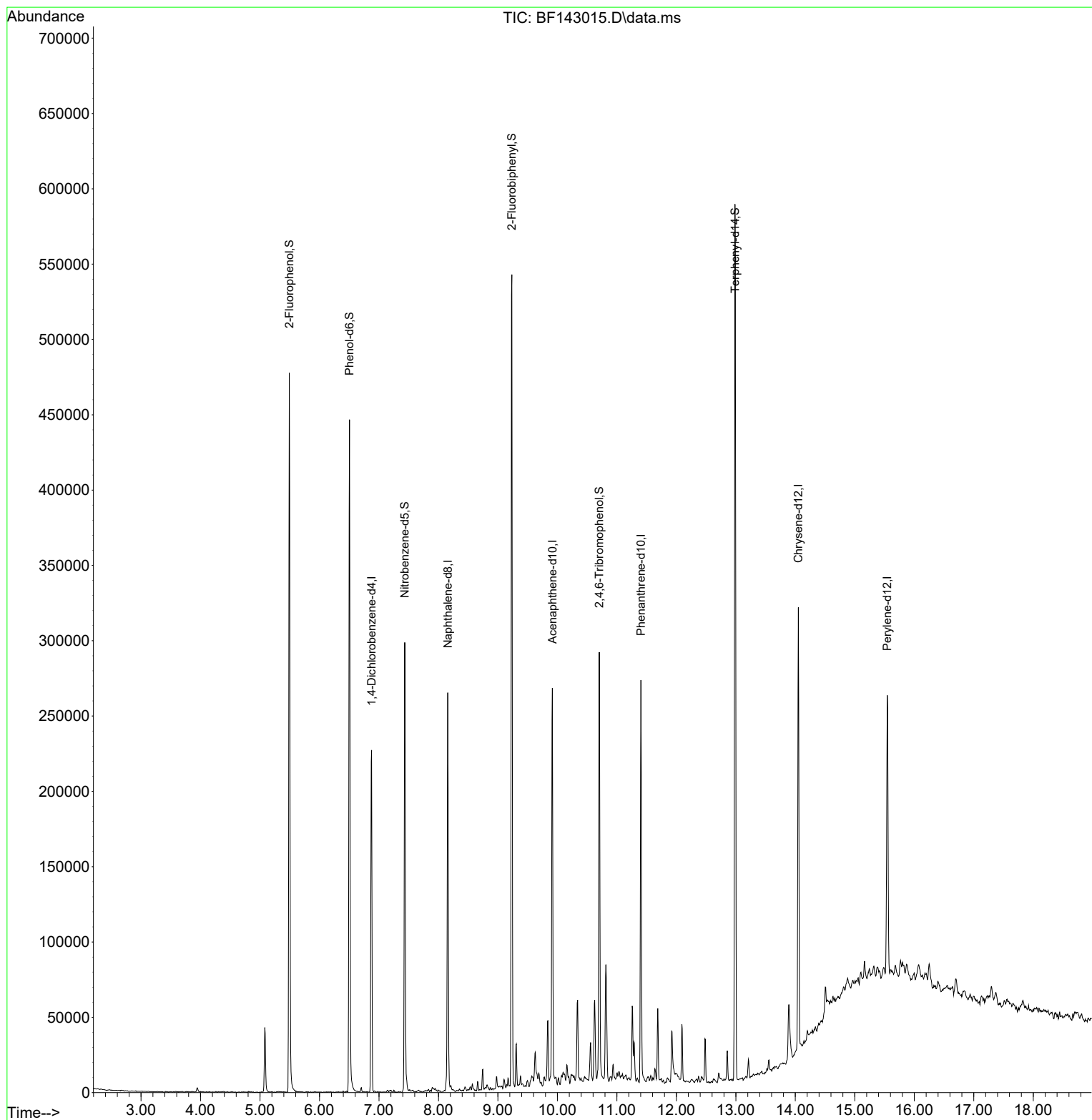
Target Compounds	Qvalue

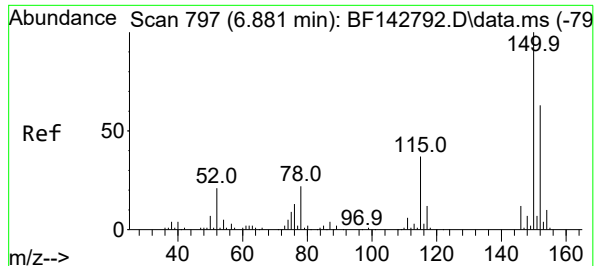
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF070725\
Data File : BF143015.D
Acq On : 07 Jul 2025 18:21
Operator : RC/JU
Sample : Q2514-02
Misc :
ALS Vial : 14 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
TP-93

Quant Time: Jul 07 18:51:20 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF061925.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Tue Jun 24 05:28:21 2025
Response via : Initial Calibration

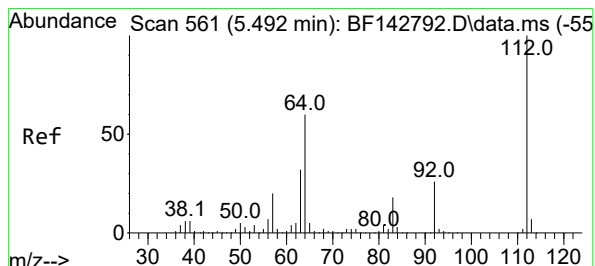
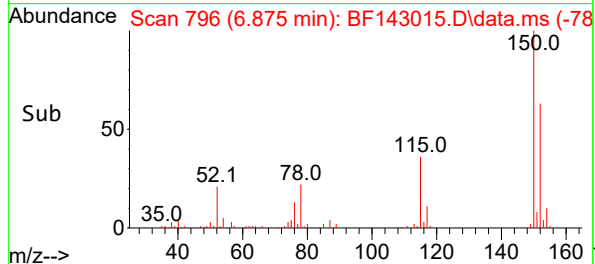
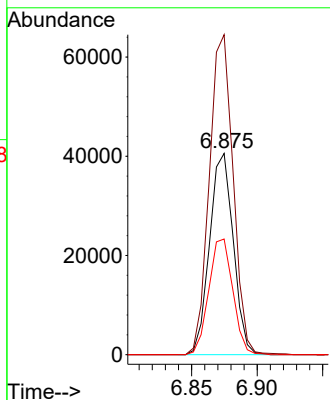
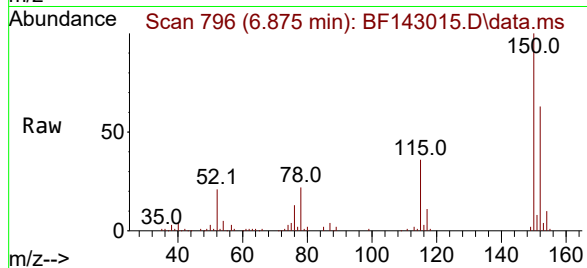




#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.875 min Scan# 797
Delta R.T. -0.006 min
Lab File: BF143015.D
Acq: 07 Jul 2025 18:21

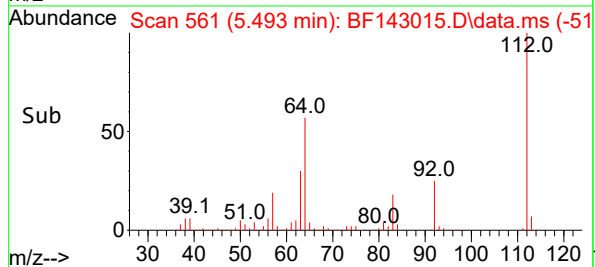
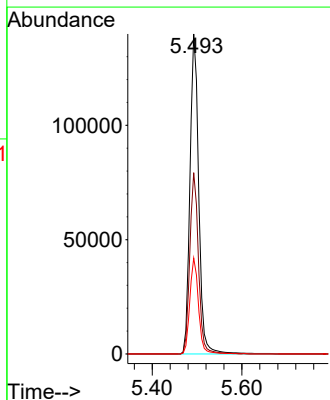
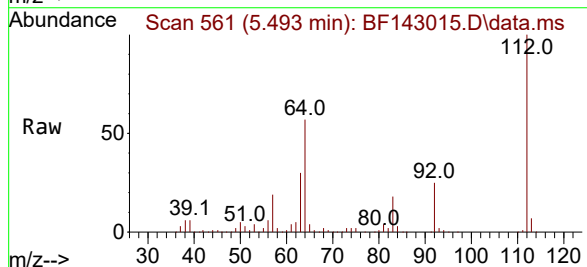
Instrument :
BNA_F
ClientSampleId :
TP-93

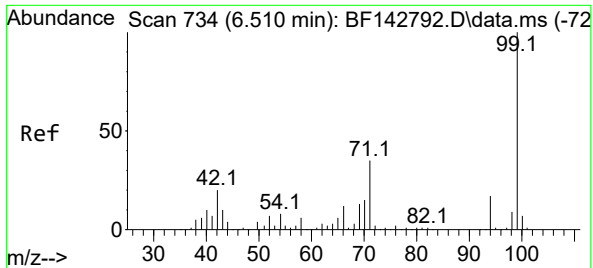
Tgt Ion:152 Resp: 51019
Ion Ratio Lower Upper
152 100
150 159.0 127.2 190.8
115 57.5 46.6 69.8



#5
2-Fluorophenol
Concen: 61.950 ng
RT: 5.493 min Scan# 561
Delta R.T. 0.001 min
Lab File: BF143015.D
Acq: 07 Jul 2025 18:21

Tgt Ion:112 Resp: 189836
Ion Ratio Lower Upper
112 100
64 56.6 48.2 72.2
63 30.0 25.7 38.5

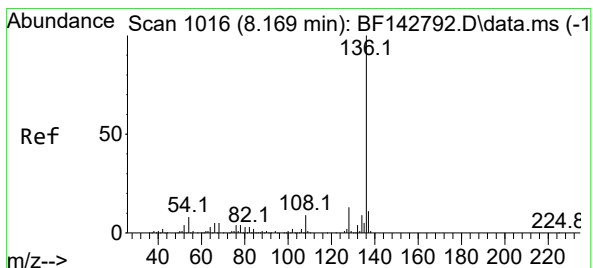
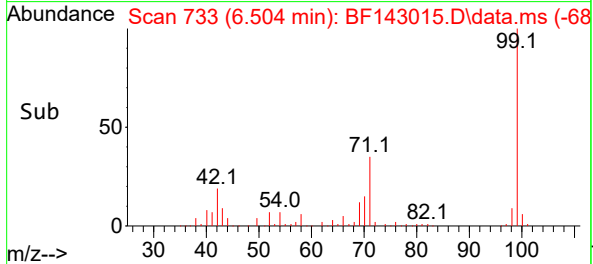
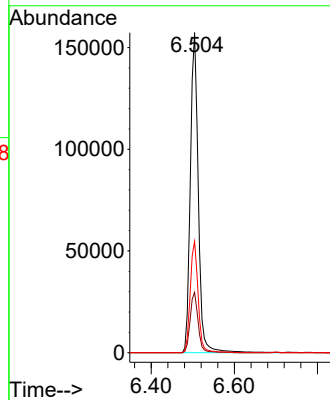
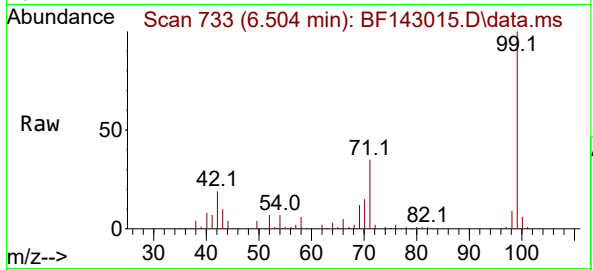




#7
Phenol-d6
Concen: 57.678 ng
RT: 6.504 min Scan# 71
Delta R.T. -0.006 min
Lab File: BF143015.D
Acq: 07 Jul 2025 18:21

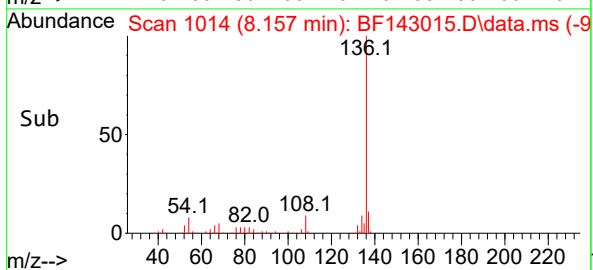
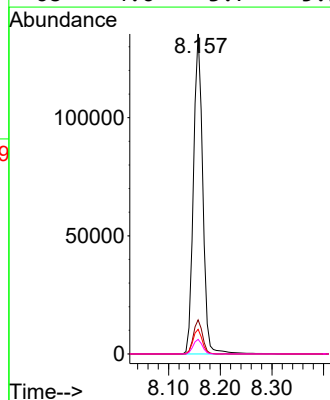
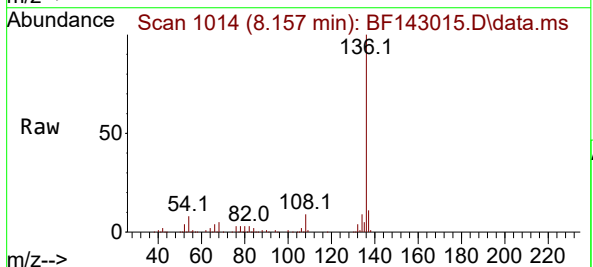
Instrument :
BNA_F
ClientSampleId :
TP-93

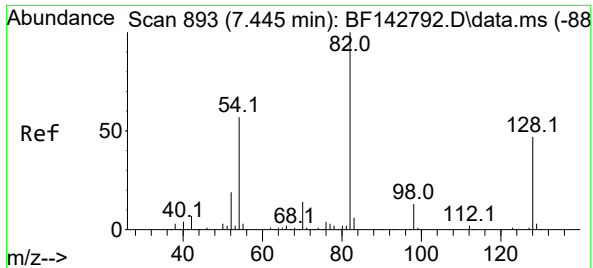
Tgt Ion: 99 Resp: 208525
Ion Ratio Lower Upper
99 100
42 18.9 15.9 23.9
71 34.8 27.8 41.8



#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.157 min Scan# 1014
Delta R.T. -0.012 min
Lab File: BF143015.D
Acq: 07 Jul 2025 18:21

Tgt Ion: 136 Resp: 169189
Ion Ratio Lower Upper
136 100
137 10.7 8.4 12.6
54 7.7 6.3 9.5
68 4.6 3.7 5.5





#23

Nitrobenzene-d5

Concen: 41.027 ng

RT: 7.434 min Scan# 89

Delta R.T. -0.011 min

Lab File: BF143015.D

Acq: 07 Jul 2025 18:21

Instrument :

BNA_F

ClientSampleId :

TP-93

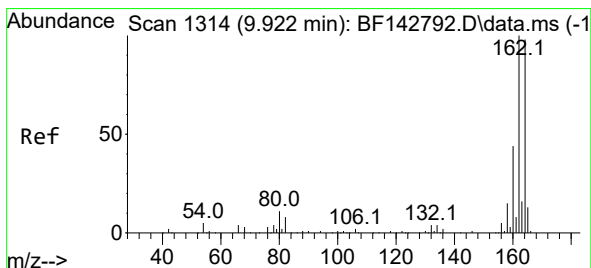
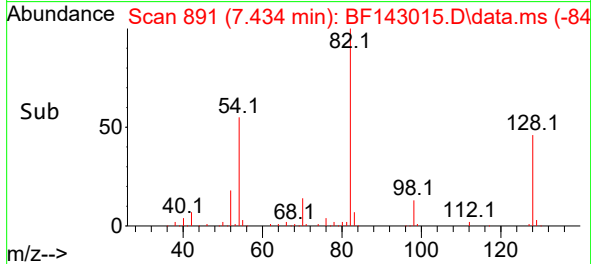
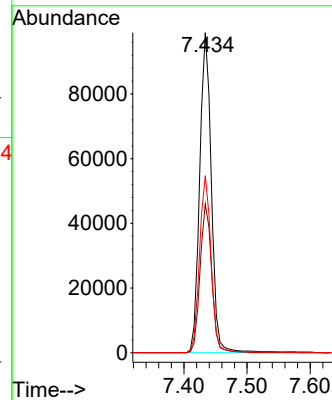
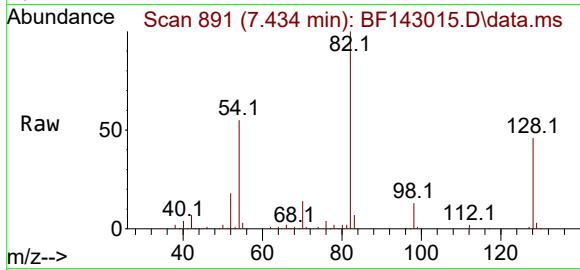
Tgt Ion: 82 Resp: 126550

Ion Ratio Lower Upper

82 100

128 46.4 37.7 56.5

54 55.3 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: BF143015.D

Acq: 07 Jul 2025 18:21

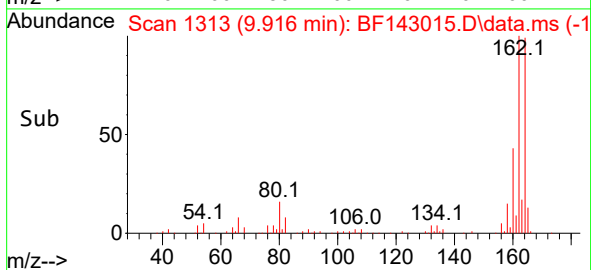
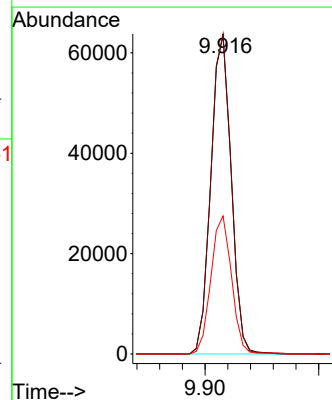
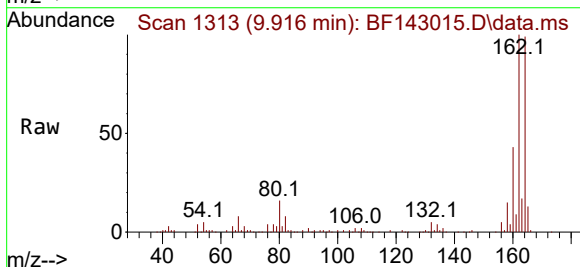
Tgt Ion:164 Resp: 78799

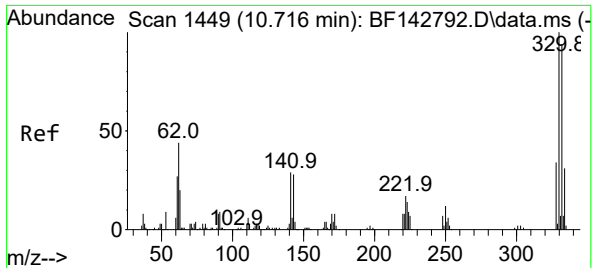
Ion Ratio Lower Upper

164 100

162 100.6 81.8 122.8

160 43.4 36.0 54.0





#42

2,4,6-Tribromophenol

Concen: 60.359 ng

RT: 10.704 min Scan# 1447

Delta R.T. -0.012 min

Lab File: BF143015.D

Acq: 07 Jul 2025 18:21

Instrument :

BNA_F

ClientSampleId :

TP-93

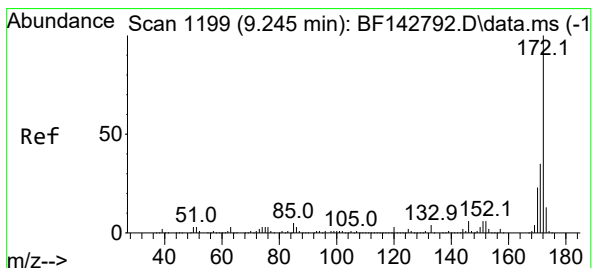
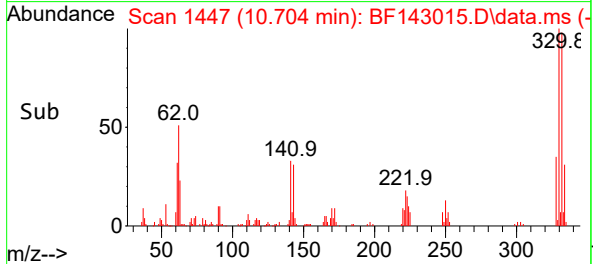
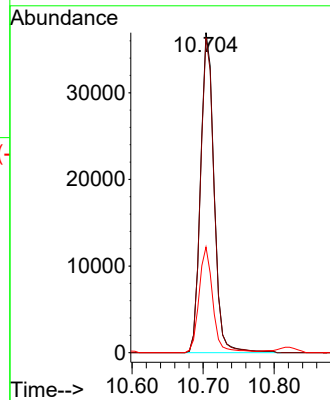
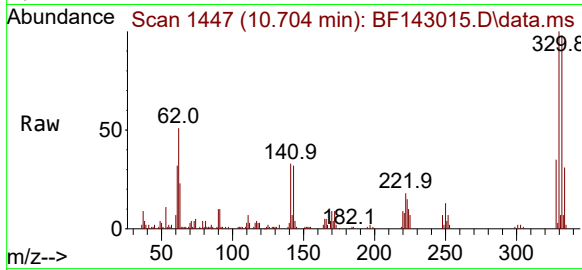
Tgt Ion:330 Resp: 48945

Ion Ratio Lower Upper

330 100

332 98.5 75.0 112.6

141 33.9 25.3 37.9



#45

2-Fluorobiphenyl

Concen: 41.400 ng

RT: 9.233 min Scan# 1197

Delta R.T. -0.012 min

Lab File: BF143015.D

Acq: 07 Jul 2025 18:21

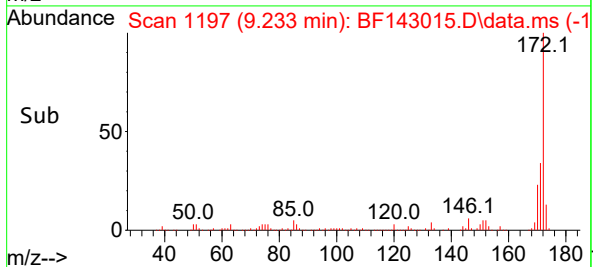
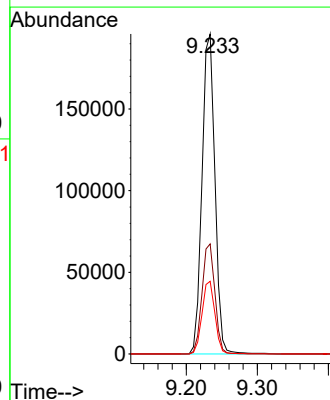
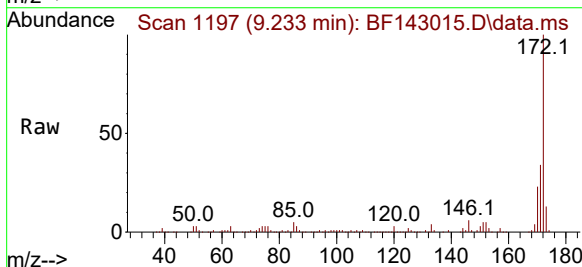
Tgt Ion:172 Resp: 248334

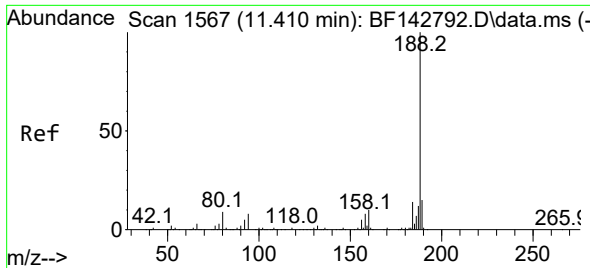
Ion Ratio Lower Upper

172 100

171 34.4 28.2 42.4

170 22.7 18.5 27.7

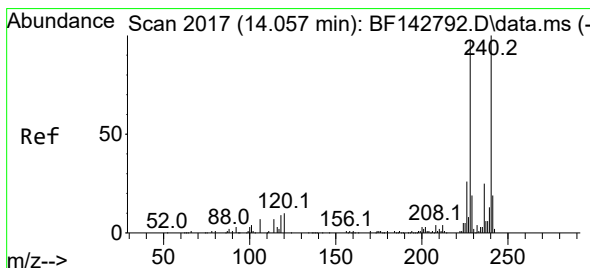
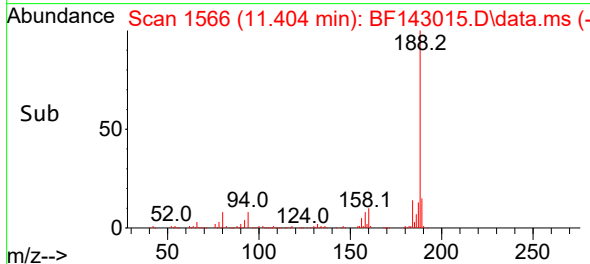
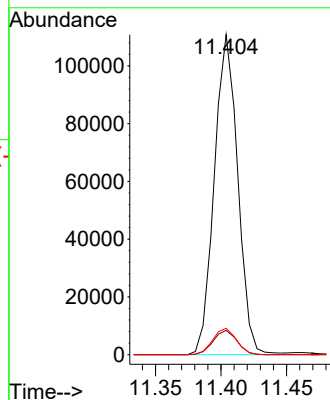
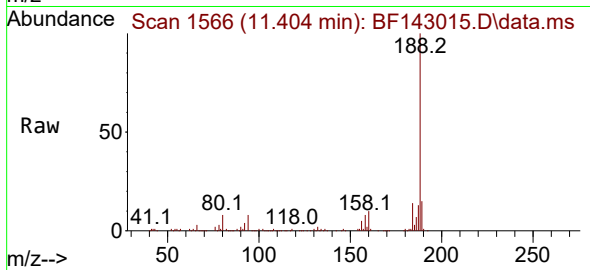




#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.404 min Scan# 1
Delta R.T. -0.006 min
Lab File: BF143015.D
Acq: 07 Jul 2025 18:21

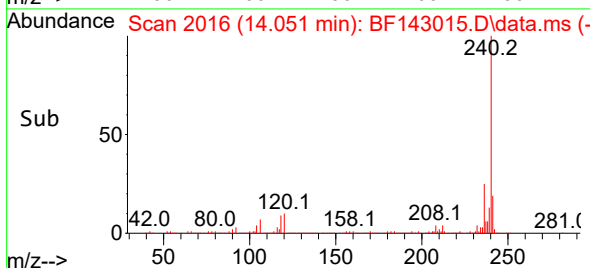
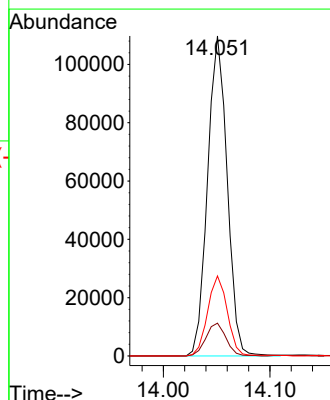
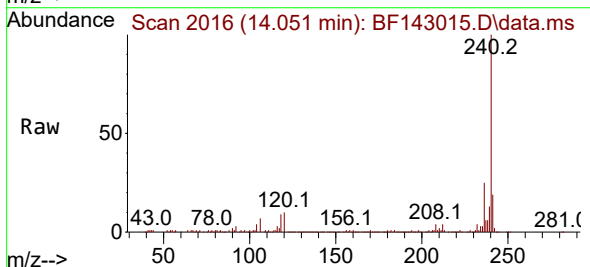
Instrument :
BNA_F
ClientSampleId :
TP-93

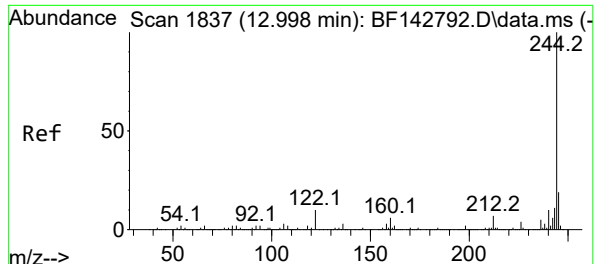
Tgt Ion:188 Resp: 137500
Ion Ratio Lower Upper
188 100
94 7.6 6.7 10.1
80 8.3 6.9 10.3



#76
Chrysene-d12
Concen: 20.000 ng
RT: 14.051 min Scan# 2016
Delta R.T. -0.006 min
Lab File: BF143015.D
Acq: 07 Jul 2025 18:21

Tgt Ion:240 Resp: 140379
Ion Ratio Lower Upper
240 100
120 10.2 8.2 12.2
236 25.0 19.8 29.8





#79

Terphenyl-d14

Concen: 27.970 ng

RT: 12.986 min Scan# 1835

Delta R.T. -0.012 min

Lab File: BF143015.D

Acq: 07 Jul 2025 18:21

Instrument :

BNA_F

ClientSampleId :

TP-93

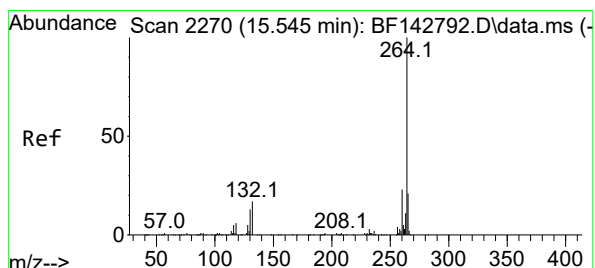
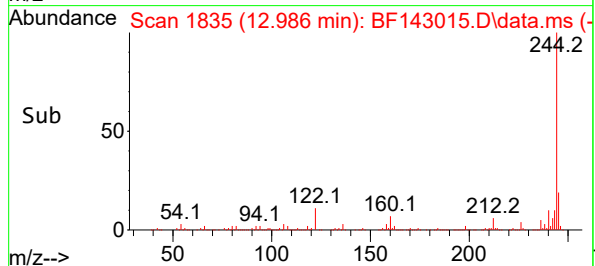
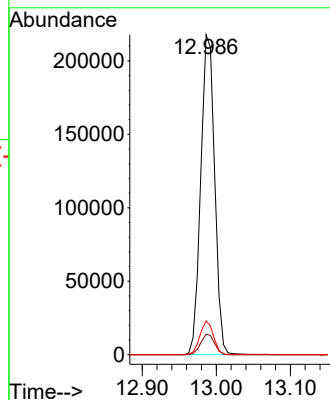
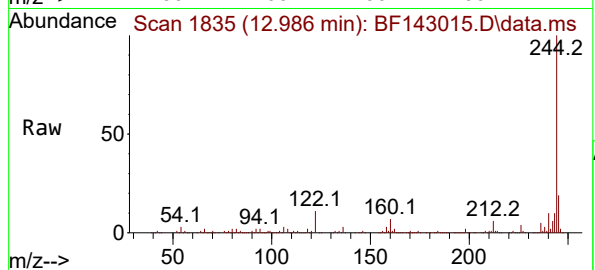
Tgt Ion:244 Resp: 284170

Ion Ratio Lower Upper

244 100

212 6.4 5.4 8.0

122 10.6 8.2 12.2



#86

Perylene-d12

Concen: 20.000 ng

RT: 15.545 min Scan# 2270

Delta R.T. 0.000 min

Lab File: BF143015.D

Acq: 07 Jul 2025 18:21

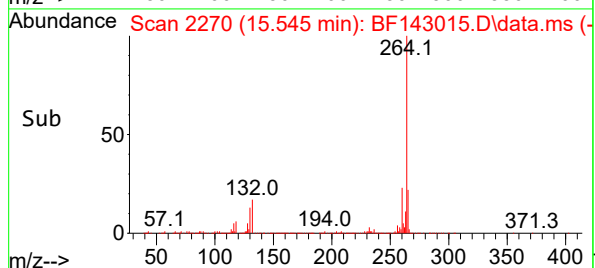
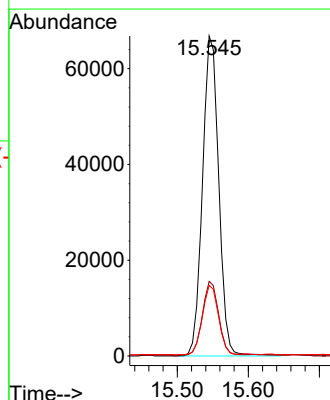
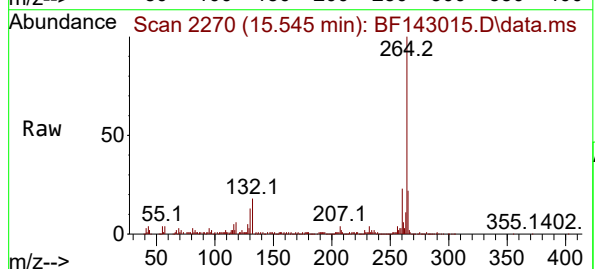
Tgt Ion:264 Resp: 106598

Ion Ratio Lower Upper

264 100

260 23.3 18.1 27.1

265 22.1 16.6 25.0



Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF070725\
 Data File : BF143015.D
 Acq On : 07 Jul 2025 18:21
 Operator : RC/JU
 Sample : Q2514-02
 Misc :
 ALS Vial : 14 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 TP-93

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: BF143015.D\data.ms

peak #	R.T. min	first scan	max scan	last scan	PK TY	peak height	corr. area	corr. % max.	% of total
1	5.081	484	491	501	rBV	43000	64282	8.56%	0.984%
2	5.493	556	561	579	rBV	477482	637653	84.91%	9.761%
3	6.504	728	733	754	rBV	446433	589973	78.56%	9.031%
4	6.875	791	796	802	rBV	226789	285638	38.03%	4.373%
5	7.434	886	891	901	rVB	297368	376299	50.11%	5.760%
6	8.157	1006	1014	1020	rBV	264327	336336	44.78%	5.149%
7	8.657	1096	1099	1103	rBV	6138	7821	1.04%	0.120%
8	8.745	1109	1114	1118	rBV	13656	17182	2.29%	0.263%
9	8.981	1149	1154	1158	rBV4	7885	10552	1.41%	0.162%
10	9.104	1171	1175	1180	rBV3	6044	9053	1.21%	0.139%
11	9.233	1192	1197	1205	rVB	539154	685536	91.28%	10.494%
12	9.310	1205	1210	1214	rBV	28343	35689	4.75%	0.546%
13	9.569	1246	1254	1255	rBV6	7012	12907	1.72%	0.198%
14	9.628	1259	1264	1272	rVV5	21081	44470	5.92%	0.681%
15	9.686	1272	1274	1278	rVB3	6453	8273	1.10%	0.127%
16	9.781	1285	1290	1294	rBV7	5967	11540	1.54%	0.177%
17	9.839	1294	1300	1304	rVV	41425	58901	7.84%	0.902%
18	9.916	1304	1313	1320	rVV	260804	335508	44.67%	5.136%
19	10.069	1335	1339	1341	rBV3	6089	8974	1.19%	0.137%
20	10.157	1351	1354	1359	rBV6	10313	14969	1.99%	0.229%
21	10.233	1363	1367	1369	rBV4	5916	9119	1.21%	0.140%
22	10.339	1378	1385	1389	rBV	53361	72724	9.68%	1.113%
23	10.557	1416	1422	1428	rBV	25242	38583	5.14%	0.591%
24	10.628	1428	1434	1440	rVV	53689	78237	10.42%	1.198%
25	10.704	1440	1447	1459	rVV	284711	382204	50.89%	5.851%
26	10.816	1461	1466	1474	rVB	77616	134761	17.94%	2.063%
27	10.939	1483	1487	1493	rBV2	10165	14892	1.98%	0.228%
28	11.257	1537	1541	1544	rBV	48732	64688	8.61%	0.990%
29	11.286	1544	1546	1552	rVB	26257	35642	4.75%	0.546%
30	11.404	1561	1566	1581	rBV	267117	341999	45.54%	5.235%
31	11.639	1603	1606	1610	rBV4	7268	10030	1.34%	0.154%
32	11.686	1610	1614	1619	rVB	47463	56293	7.50%	0.862%
33	11.922	1650	1654	1663	rBV2	33762	66528	8.86%	1.018%
34	12.092	1679	1683	1688	rVB	37470	45906	6.11%	0.703%
35	12.480	1745	1749	1755	rVB	28912	36642	4.88%	0.561%
36	12.710	1784	1788	1793	rBV5	6467	12110	1.61%	0.185%

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF070725\
Data File : BF143015.D
Acq On : 07 Jul 2025 18:21
Operator : RC/JU
Sample : Q2514-02
Misc :
ALS Vial : 14 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
TP-93

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

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

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

37	12.857	1809	1813	1819	rVB	19741	25375	3.38%	0.388%
38	12.986	1830	1835	1843	rBV	581629	751002	100.00%	11.496%
39	13.210	1869	1873	1878	rBV	12422	15775	2.10%	0.241%
40	13.557	1928	1932	1936	rBV4	6639	8537	1.14%	0.131%
41	13.892	1984	1989	2000	rBV	36756	82334	10.96%	1.260%
42	14.051	2011	2016	2021	rBV	292962	380169	50.62%	5.820%
43	14.504	2090	2093	2096	rBV2	16392	22946	3.06%	0.351%
44	15.545	2265	2270	2277	rVB	184576	294521	39.22%	4.508%

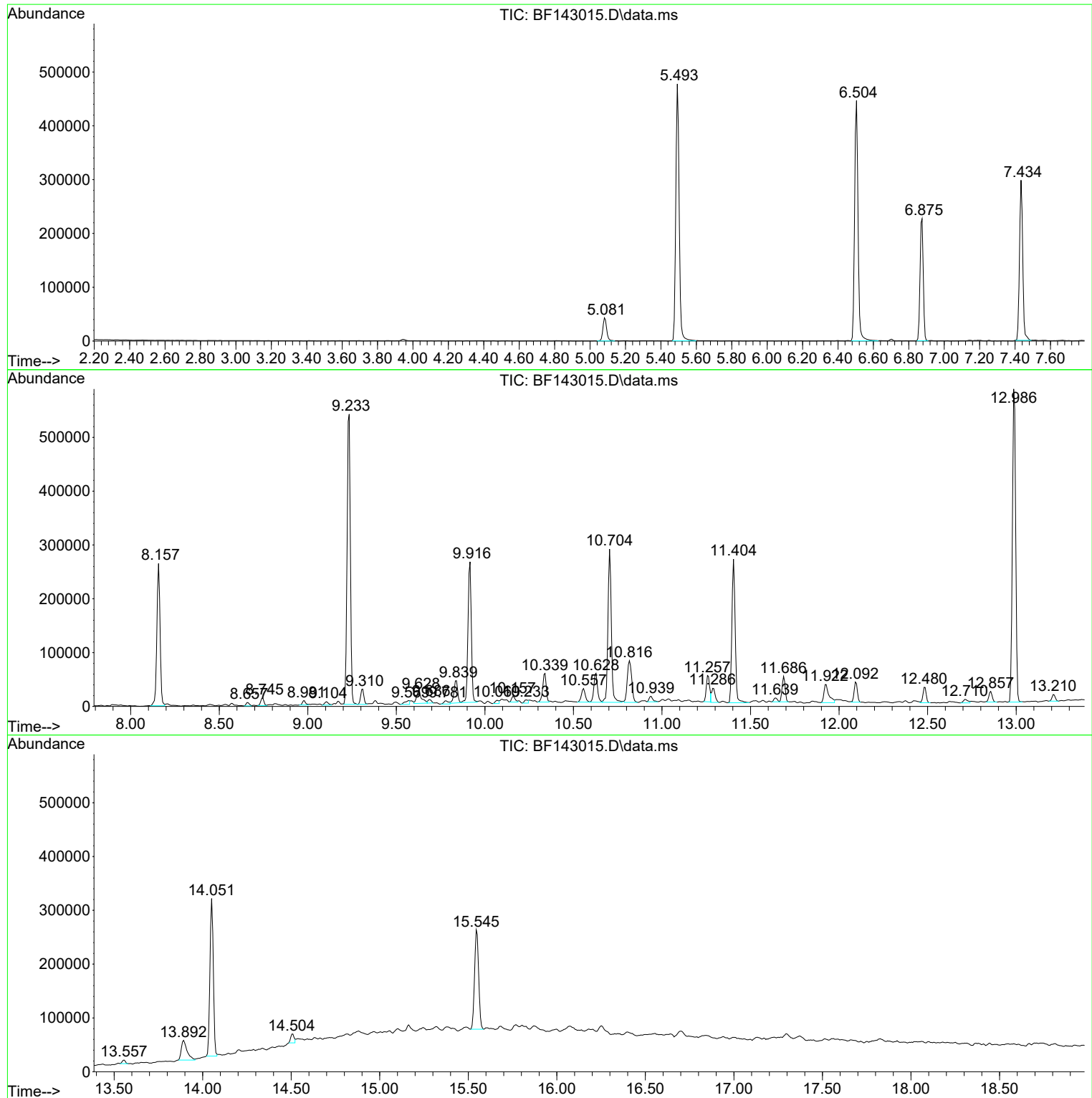
Sum of corrected areas: 6532573

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF070725\
Data File : BF143015.D
Acq On : 07 Jul 2025 18:21
Operator : RC/JU
Sample : Q2514-02
Misc :
ALS Vial : 14 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
TP-93

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 : BF143015.D
Acq On : 07 Jul 2025 18:21
Operator : RC/JU
Sample : Q2514-02
Misc :
ALS Vial : 14 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
TP-93

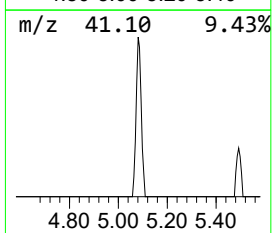
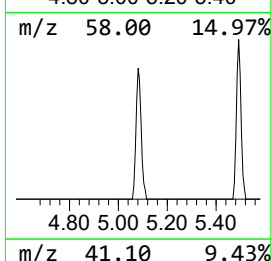
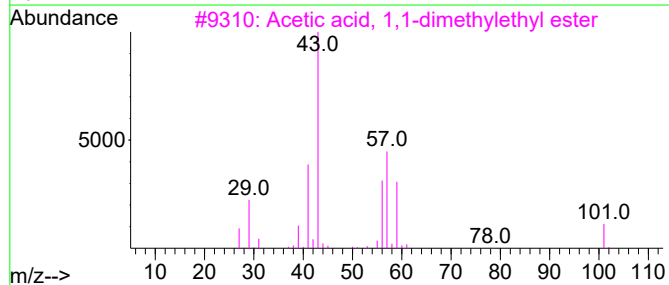
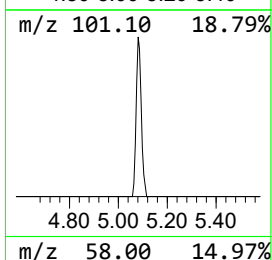
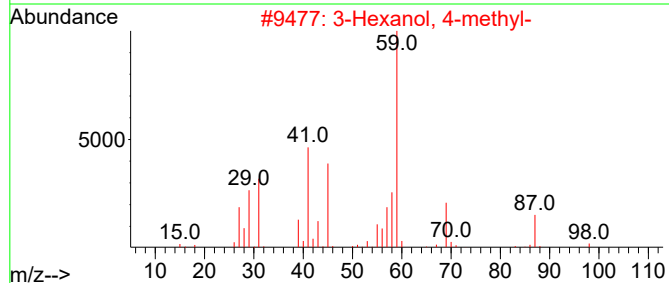
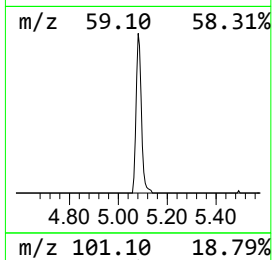
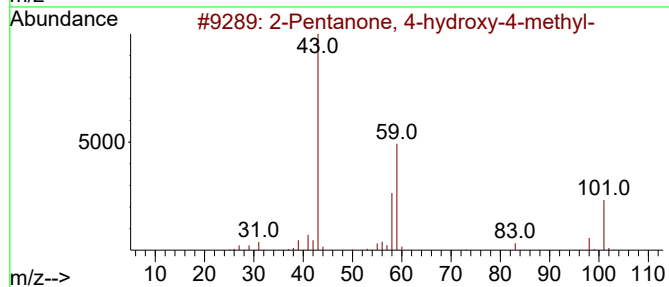
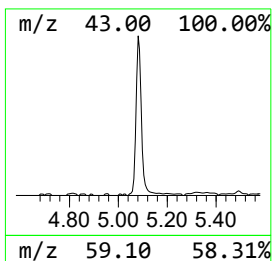
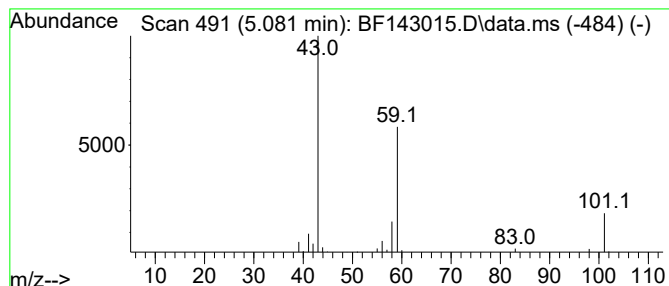
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF061925.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

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

R.T.	EstConc	Area	Relative to ISTD	R.T.
5.081	4.50 ng	64282	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	33		
3	Acetic acid, 1,1-dimethylethyl e...	116	C6H12O2	000540-88-5	28		
4	Acetic acid, cyano-, 1,1-dimethy...	141	C7H11NO2	001116-98-9	25		
5	2,3-Butanedione, monooxime	101	C4H7NO2	000057-71-6	16		



Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF070725\
Data File : BF143015.D
Acq On : 07 Jul 2025 18:21
Operator : RC/JU
Sample : Q2514-02
Misc :
ALS Vial : 14 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
TP-93

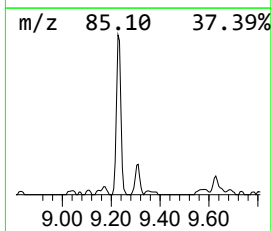
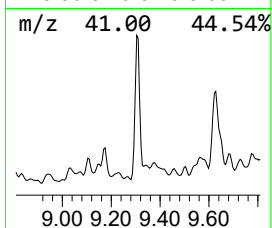
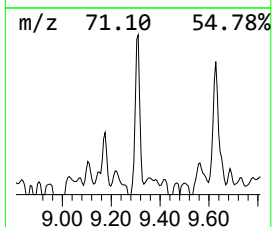
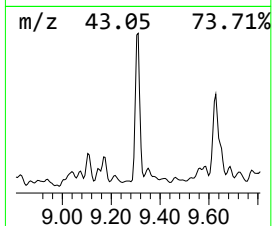
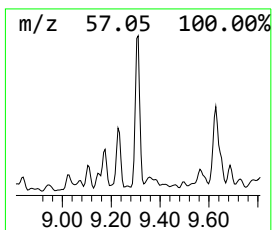
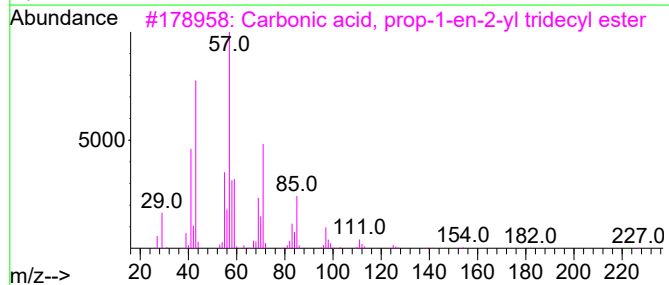
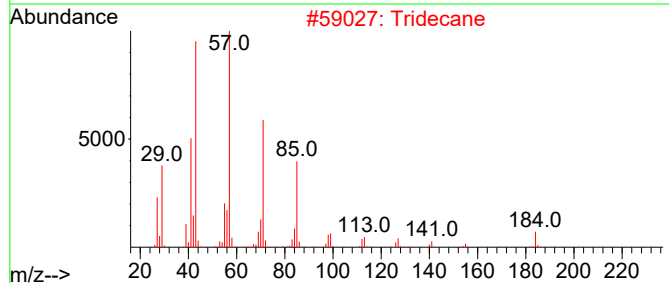
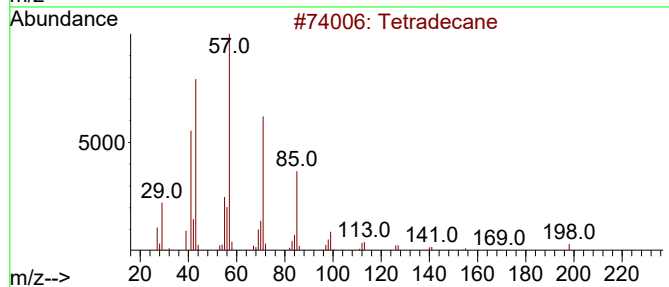
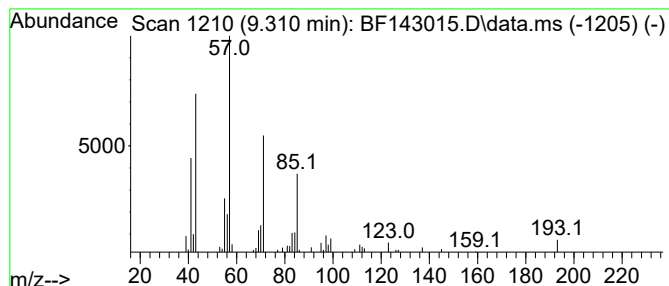
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 2 Tetradecane Concentration Rank 14

R.T.	EstConc	Area	Relative to ISTD	R.T.
9.310	2.13 ng	35689	Acenaphthene-d10	9.916

Hit#	of	5	Tentative ID	MW	MolForm	CAS#	Qual
1			Tetradecane	198	C14H30	000629-59-4	72
2			Tridecane	184	C13H28	000629-50-5	72
3			Carbonic acid, prop-1-en-2-yl tr...	284	C17H32O3	1000382-90-8	72
4			Dodecane	170	C12H26	000112-40-3	72
5			Nonadecane	268	C19H40	000629-92-5	64



Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF070725\
Data File : BF143015.D
Acq On : 07 Jul 2025 18:21
Operator : RC/JU
Sample : Q2514-02
Misc :
ALS Vial : 14 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
TP-93

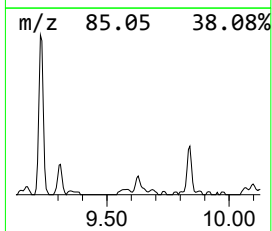
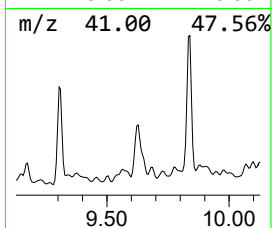
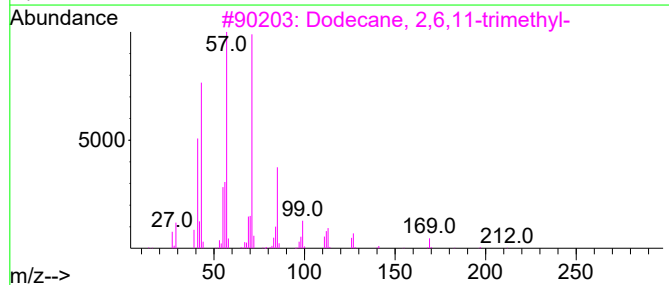
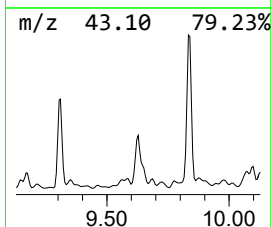
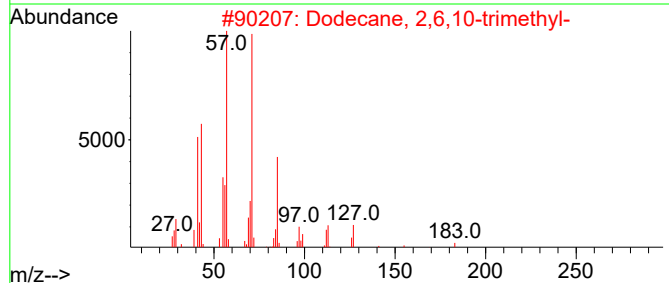
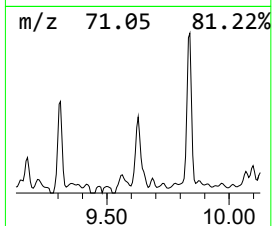
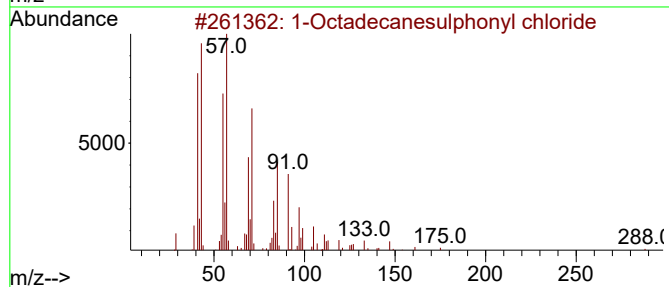
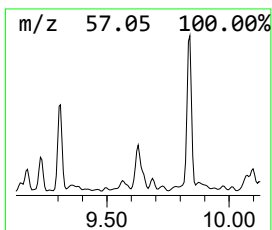
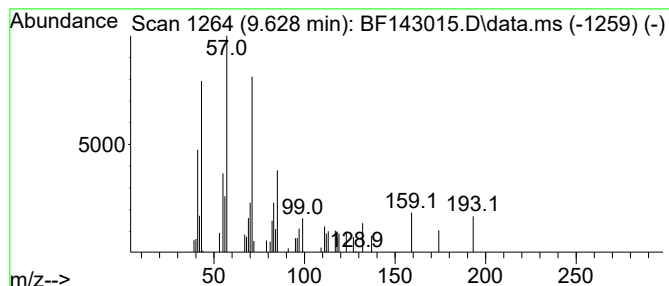
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 3 1-Octadecanesulphonyl chloride Concentration Rank 11

R.T.	EstConc	Area	Relative to ISTD	R.T.
9.628	2.65 ng	44470	Acenaphthene-d10	9.916

Hit#	of	5	Tentative ID	MW	MolForm	CAS#	Qual
1			1-Octadecanesulphonyl chloride	352	C18H37ClO2S	1000342-70-4	58
2			Dodecane, 2,6,10-trimethyl-	212	C15H32	003891-98-3	58
3			Dodecane, 2,6,11-trimethyl-	212	C15H32	031295-56-4	53
4			Hexadecane, 7,9-dimethyl-	254	C18H38	021164-95-4	53
5			Dodecane, 1-iodo-	296	C12H25I	004292-19-7	52



Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF070725\
Data File : BF143015.D
Acq On : 07 Jul 2025 18:21
Operator : RC/JU
Sample : Q2514-02
Misc :
ALS Vial : 14 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
TP-93

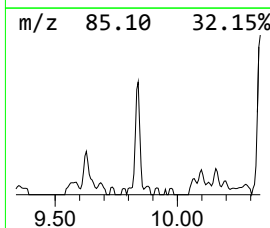
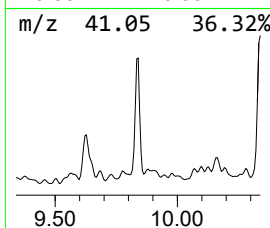
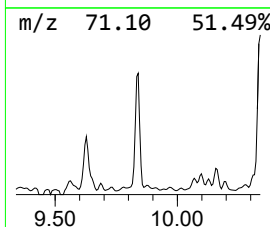
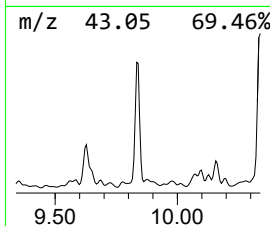
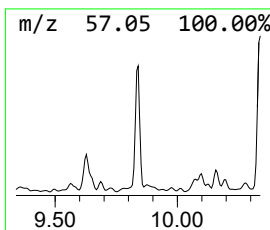
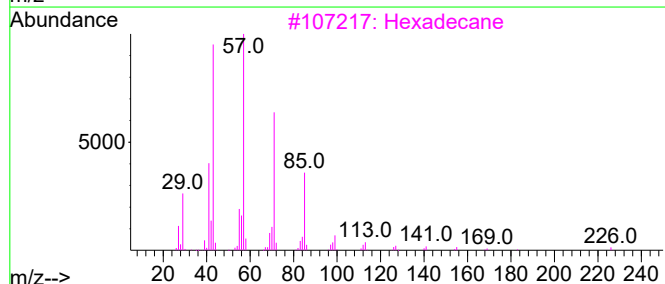
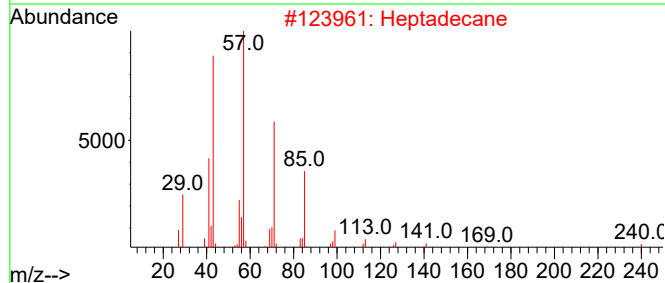
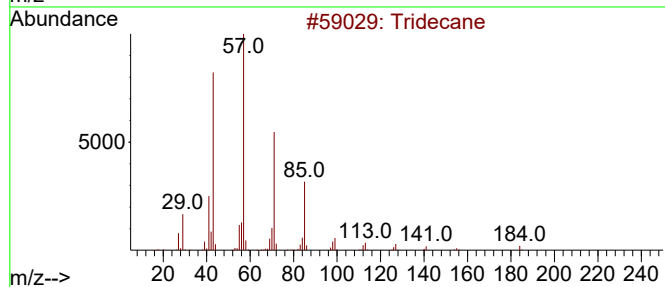
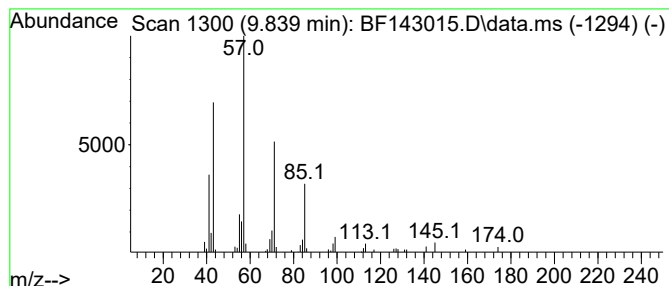
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 4 Tridecane Concentration Rank 8

R.T.	EstConc	Area	Relative to ISTD	R.T.
9.839	3.51 ng	58901	Acenaphthene-d10	9.916

Hit#	of	5	Tentative ID	MW	MolForm	CAS#	Qual
1			Tridecane	184	C13H28	000629-50-5	90
2			Heptadecane	240	C17H36	000629-78-7	90
3			Hexadecane	226	C16H34	000544-76-3	90
4			Tetradecane	198	C14H30	000629-59-4	80
5			Carbonic acid, eicosyl vinyl ester	368	C23H44O3	1000382-54-3	80



Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF070725\
Data File : BF143015.D
Acq On : 07 Jul 2025 18:21
Operator : RC/JU
Sample : Q2514-02
Misc :
ALS Vial : 14 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
TP-93

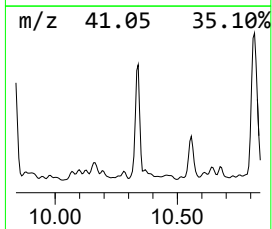
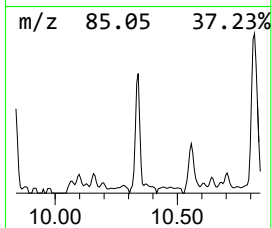
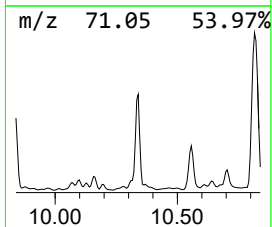
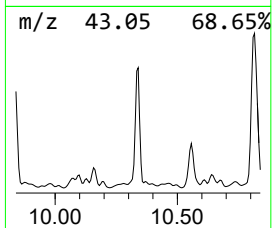
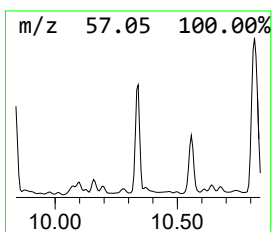
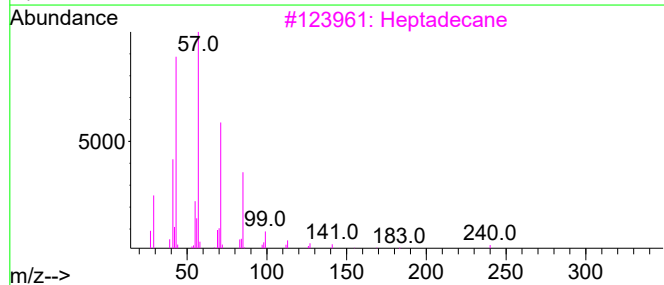
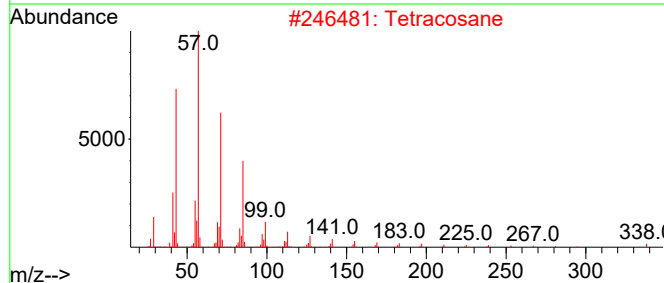
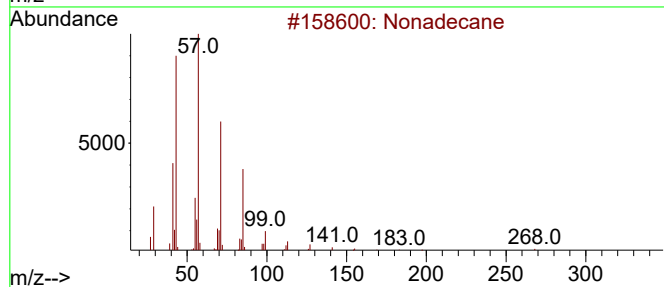
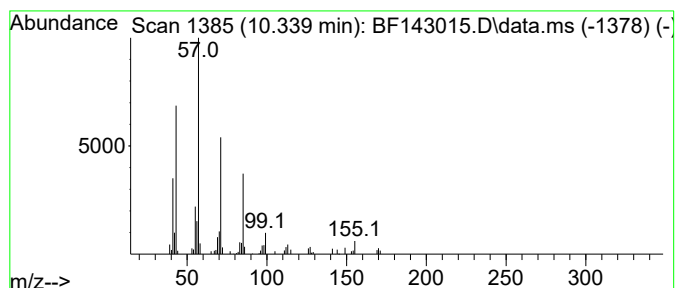
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 5 Nonadecane Concentration Rank 4

R.T.	EstConc	Area	Relative to ISTD	R.T.
10.339	4.34 ng	72724	Acenaphthene-d10	9.916

Hit#	of	5	Tentative ID	MW	MolForm	CAS#	Qual
1			Nonadecane	268	C19H40	000629-92-5	87
2			Tetracosane	338	C24H50	000646-31-1	86
3			Heptadecane	240	C17H36	000629-78-7	83
4			Pentadecane	212	C15H32	000629-62-9	80
5			Tetradecane	198	C14H30	000629-59-4	80



Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF070725\
Data File : BF143015.D
Acq On : 07 Jul 2025 18:21
Operator : RC/JU
Sample : Q2514-02
Misc :
ALS Vial : 14 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
TP-93

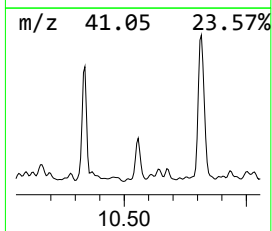
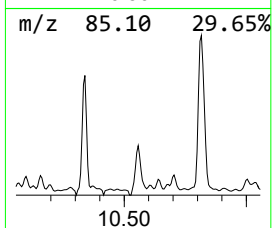
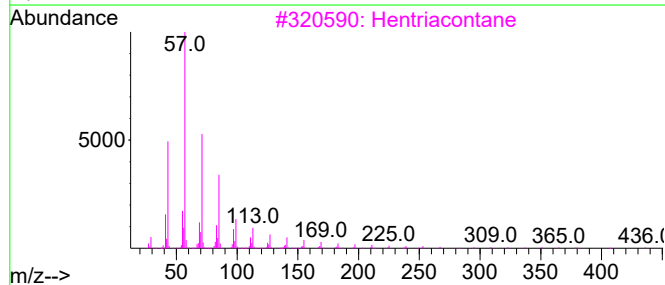
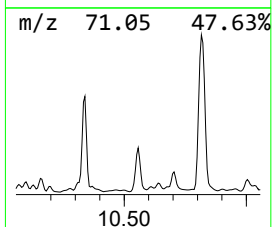
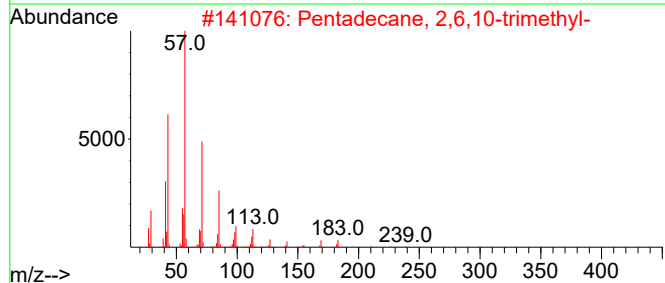
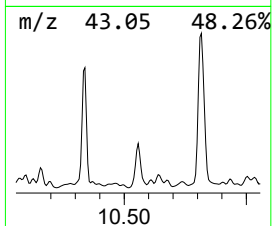
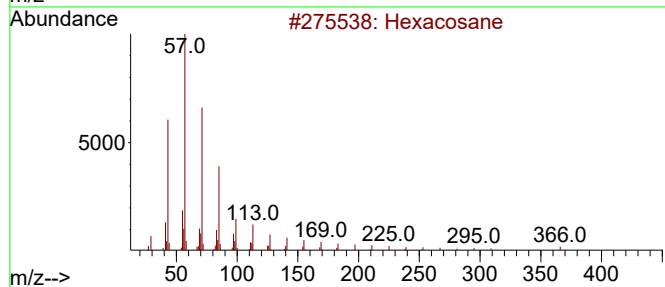
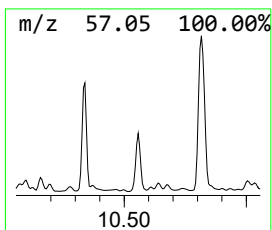
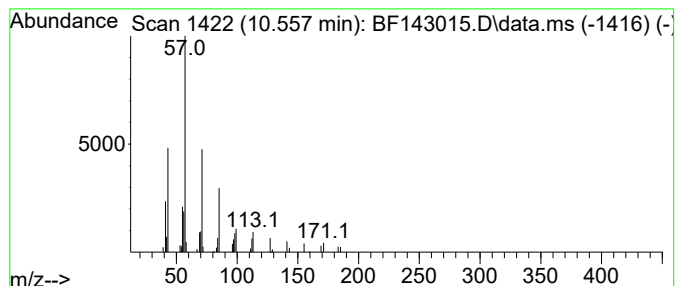
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 6 Hexacosane Concentration Rank 12

R.T.	EstConc	Area	Relative to ISTD	R.T.
10.557	2.30 ng	38583	Acenaphthene-d10	9.916

Hit#	of	5	Tentative ID	MW	MolForm	CAS#	Qual
1			Hexacosane	366	C26H54	000630-01-3	87
2			Pentadecane, 2,6,10-trimethyl-	254	C18H38	003892-00-0	86
3			Hentriacontane	437	C31H64	000630-04-6	86
4			Octacosane	394	C28H58	000630-02-4	80
5			Heptadecane	240	C17H36	000629-78-7	78



Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF070725\
Data File : BF143015.D
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Operator : RC/JU
Sample : Q2514-02
Misc :
ALS Vial : 14 Sample Multiplier: 1

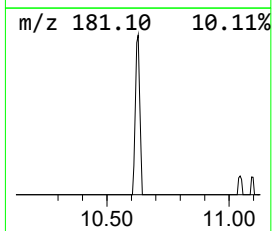
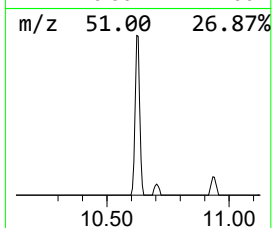
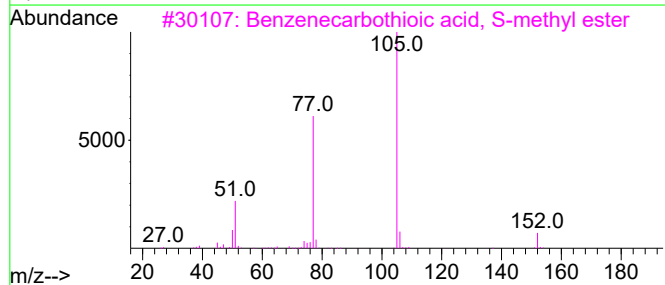
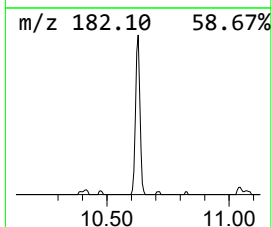
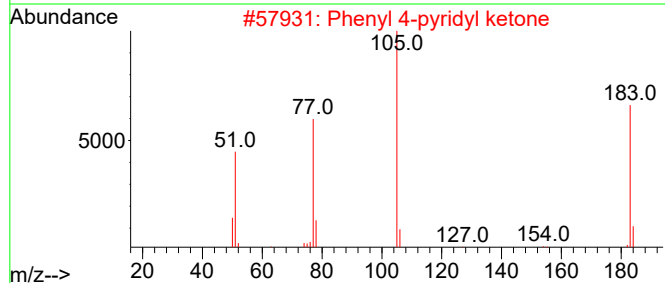
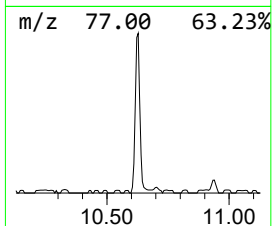
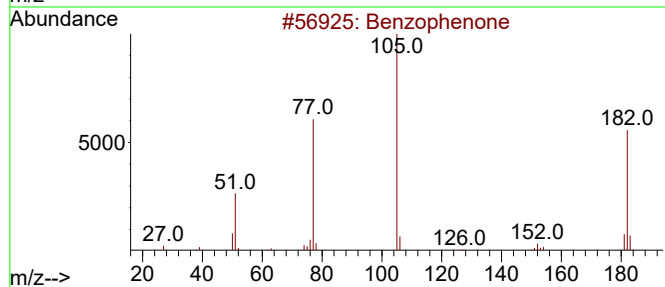
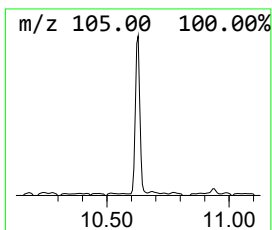
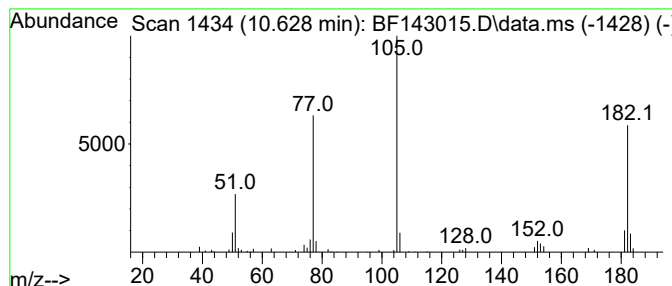
Instrument :
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ClientSampleId :
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Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF061925.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 7 Benzophenone Concentration Rank 2

R.T.	EstConc	Area	Relative to ISTD		R.T.	
10.628	4.66 ng	78237	Acenaphthene-d10		9.916	
Hit# of 5	Tentative ID		MW	MolForm	CAS#	Qual
1	Benzophenone		182	C13H10O	000119-61-9	97
2	Phenyl 4-pyridyl ketone		183	C12H9NO	014548-46-0	53
3	Benzenecarbothioic acid, S-methy...		152	C8H8OS	005925-68-8	49
4	Acetophenone, 2-chloro-		154	C8H7ClO	000532-27-4	46
5	N-Benzoylimidazole		172	C10H8N2O	010364-94-0	43



Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF070725\
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Sample : Q2514-02
Misc :
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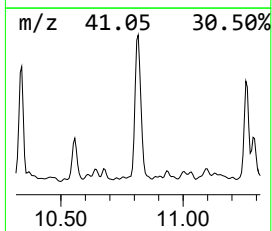
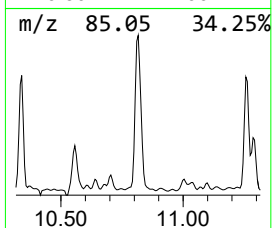
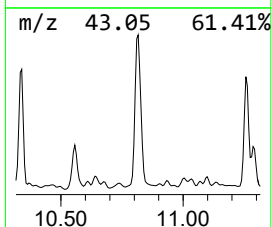
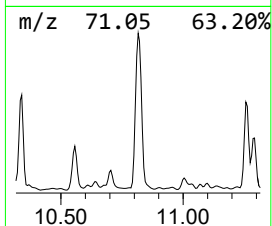
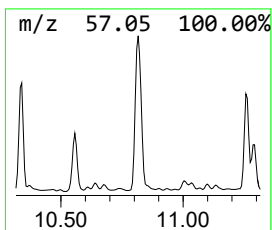
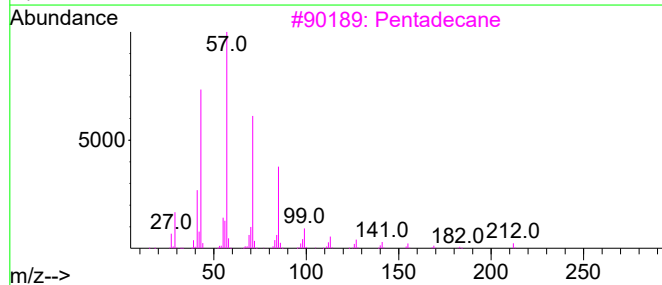
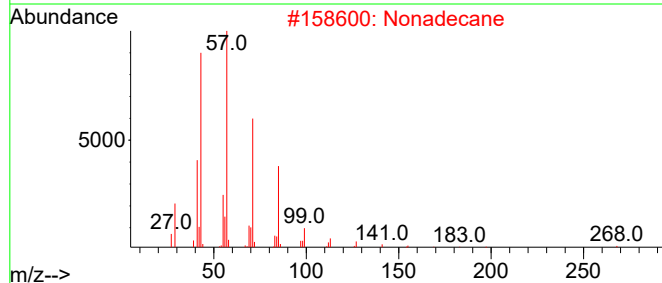
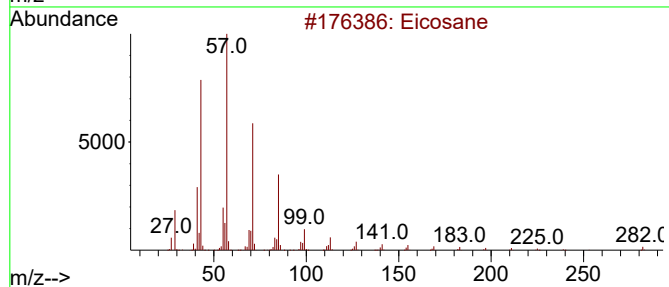
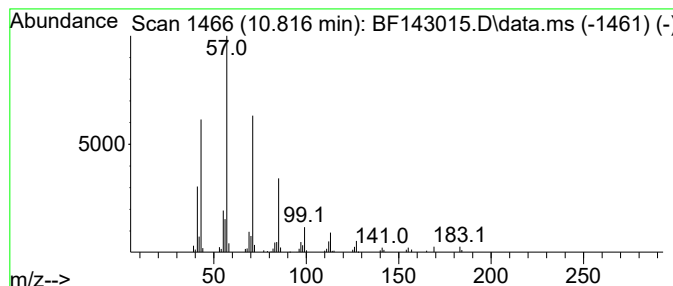
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 8 Eicosane Concentration Rank 1

R.T.	EstConc	Area	Relative to ISTD	R.T.	
10.816	7.88 ng	134761	Phenanthrene-d10	11.404	
Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Eicosane	282	C20H42	000112-95-8	87
2	Nonadecane	268	C19H40	000629-92-5	86
3	Pentadecane	212	C15H32	000629-62-9	86
4	Heptacosane	380	C27H56	000593-49-7	86
5	Dodecane, 2-methyl-	184	C13H28	001560-97-0	83



Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF070725\
Data File : BF143015.D
Acq On : 07 Jul 2025 18:21
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Sample : Q2514-02
Misc :
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Instrument :
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ClientSampleId :
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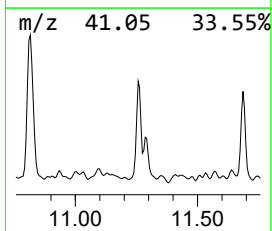
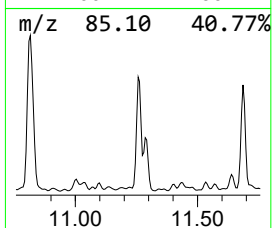
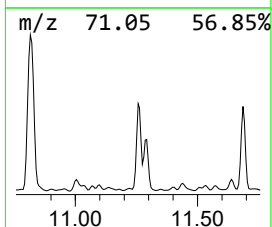
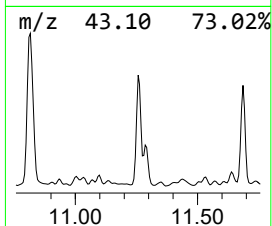
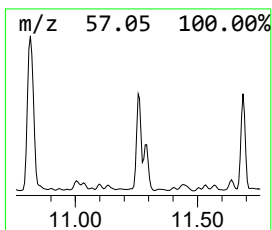
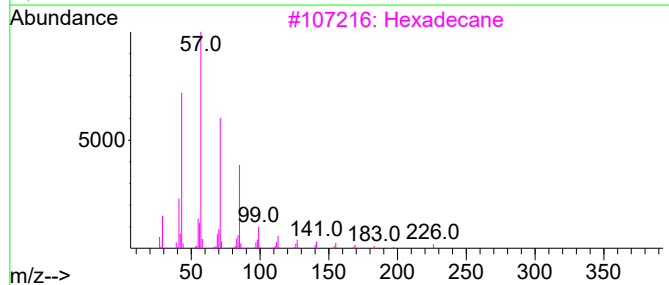
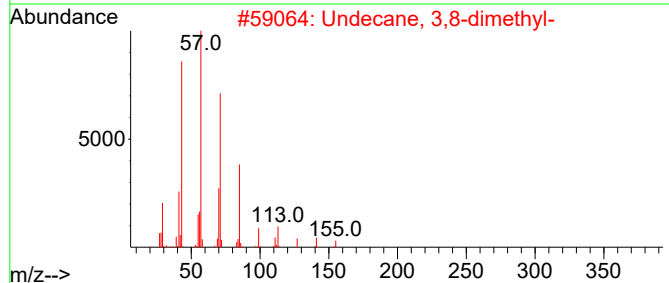
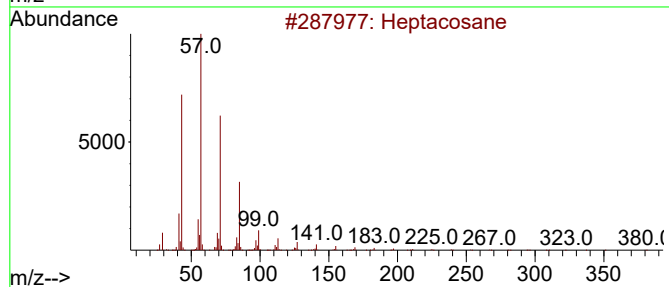
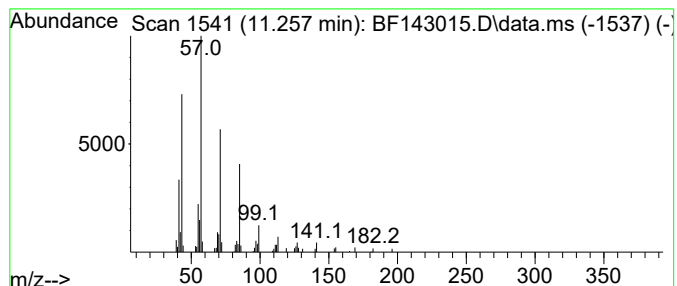
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 9 Heptacosane Concentration Rank 7

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.257	3.78 ng	64688	Phenanthrene-d10	11.404

Hit#	of 5	Tentative ID	MW	MolForm	CAS#	Qual
1		Heptacosane	380	C27H56	000593-49-7	91
2		Undecane, 3,8-dimethyl-	184	C13H28	017301-30-3	90
3		Hexadecane	226	C16H34	000544-76-3	90
4		Heptadecane, 2,6,10,15-tetramethyl-	296	C21H44	054833-48-6	87
5		Octadecane	254	C18H38	000593-45-3	87



Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF070725\
Data File : BF143015.D
Acq On : 07 Jul 2025 18:21
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Sample : Q2514-02
Misc :
ALS Vial : 14 Sample Multiplier: 1

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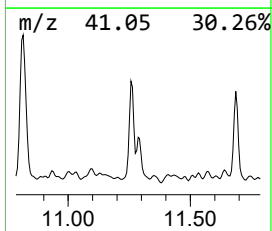
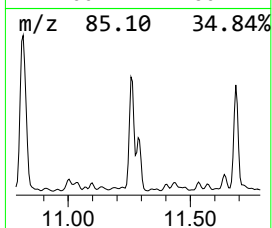
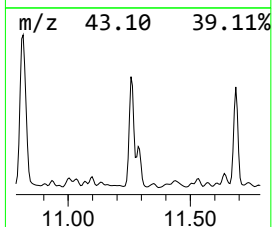
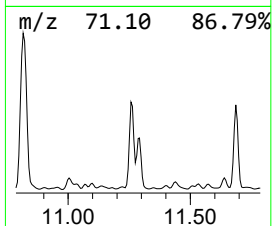
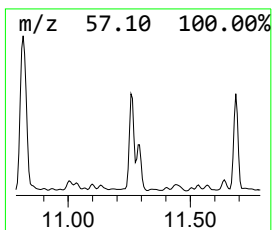
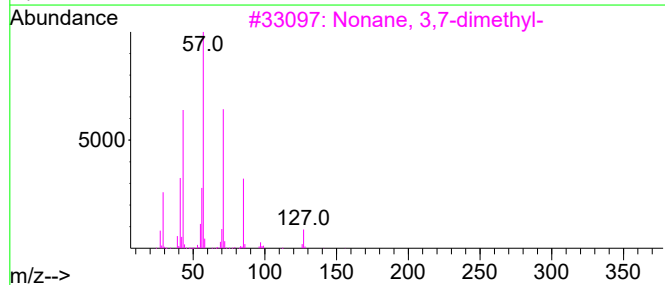
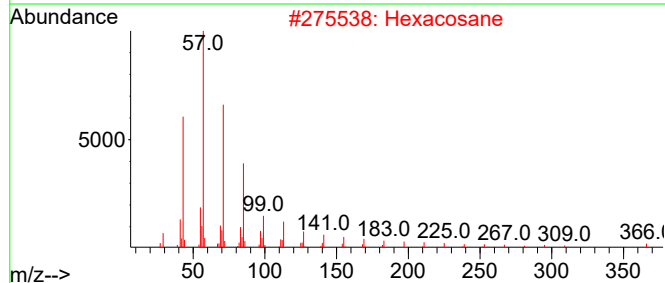
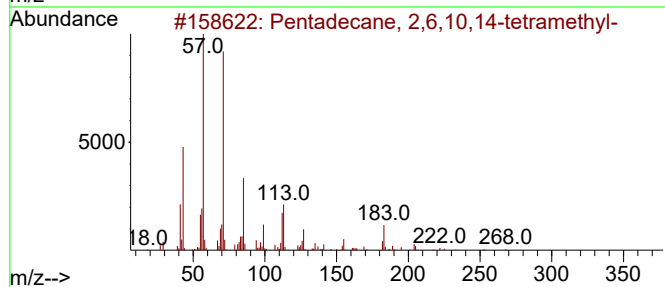
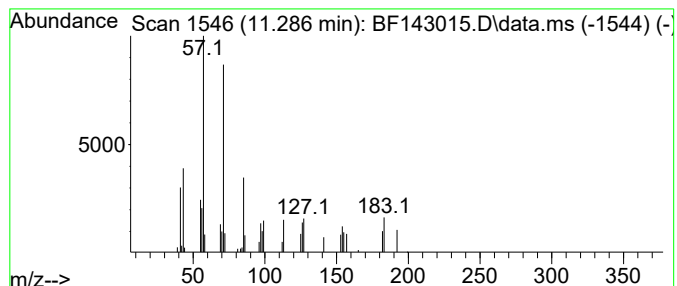
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 10 Pentadecane, 2,6,10,14-tetr... Concentration Rank 15

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.286	2.08 ng	35642	Phenanthrene-d10	11.404

Hit#	of 5	Tentative ID	MW	MolForm	CAS#	Qual
1		Pentadecane, 2,6,10,14-tetramethyl-	268	C19H40	001921-70-6	72
2		Hexacosane	366	C26H54	000630-01-3	53
3		Nonane, 3,7-dimethyl-	156	C11H24	017302-32-8	47
4		3-Octen-2-ol, 2-methyl-, (Z)-	142	C9H18O	018521-07-8	47
5		Octadecane, 1-iodo-	380	C18H37I	000629-93-6	47



Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF070725\
Data File : BF143015.D
Acq On : 07 Jul 2025 18:21
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ClientSampleId :
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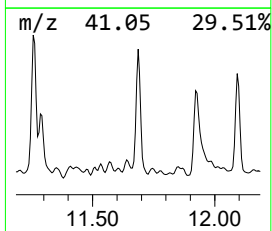
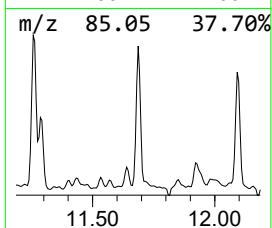
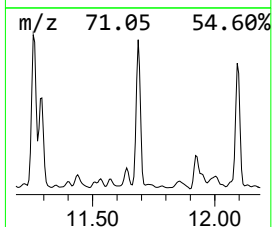
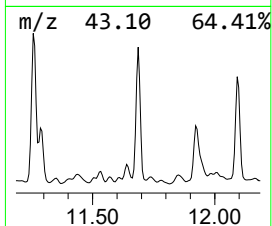
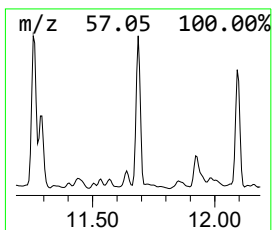
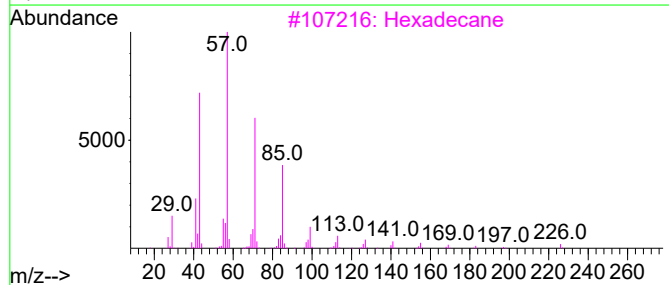
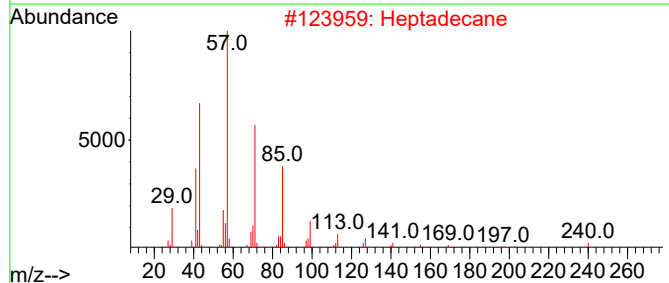
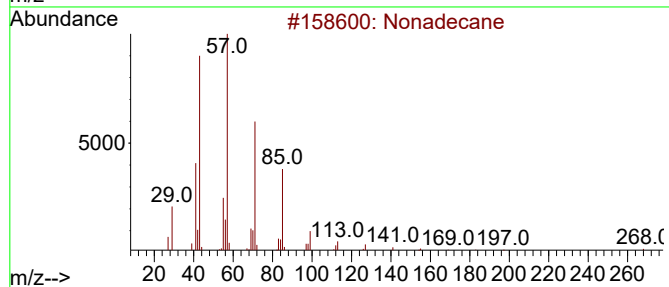
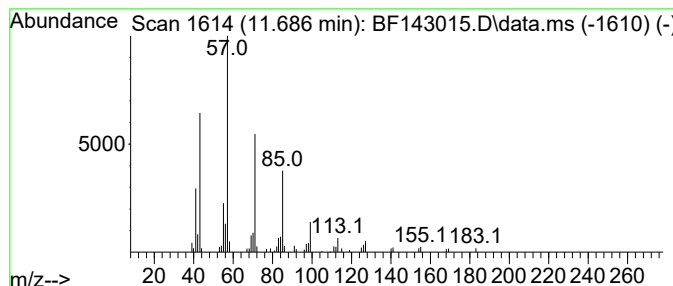
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TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

Peak Number 11 Heptadecane Concentration Rank 9

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.686	3.29 ng	56293	Phenanthrene-d10	11.404

Hit#	of	5	Tentative ID	MW	MolForm	CAS#	Qual
1			Nonadecane	268	C19H40	000629-92-5	91
2			Heptadecane	240	C17H36	000629-78-7	91
3			Hexadecane	226	C16H34	000544-76-3	90
4			Docosane	310	C22H46	000629-97-0	90
5			Eicosane	282	C20H42	000112-95-8	87



Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF070725\
Data File : BF143015.D
Acq On : 07 Jul 2025 18:21
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Misc :
ALS Vial : 14 Sample Multiplier: 1

Instrument :
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ClientSampleId :
TP-93

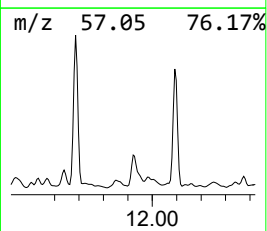
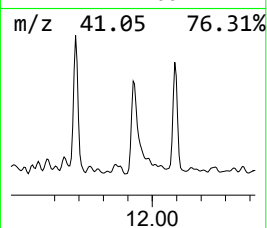
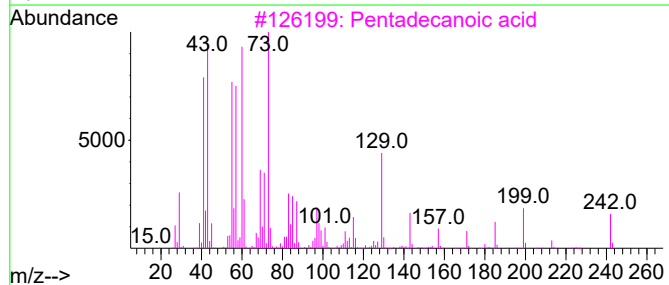
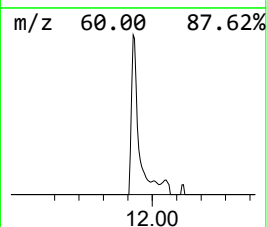
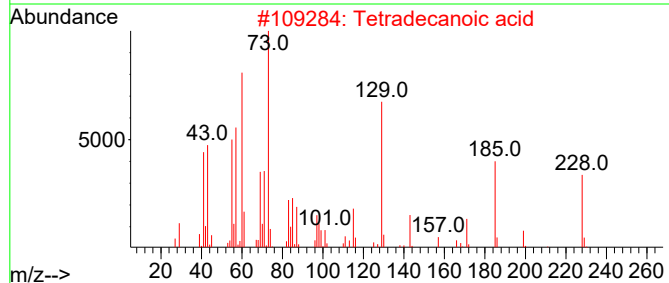
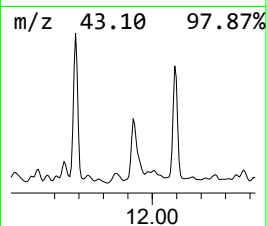
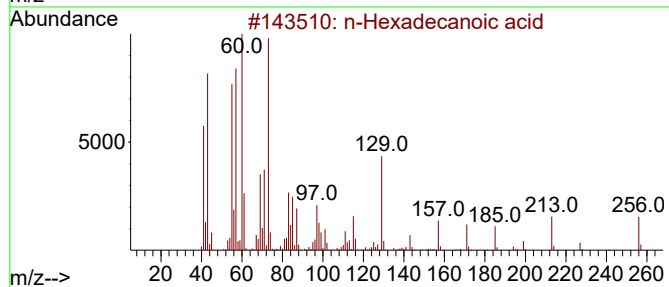
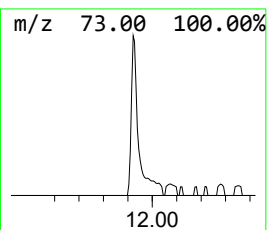
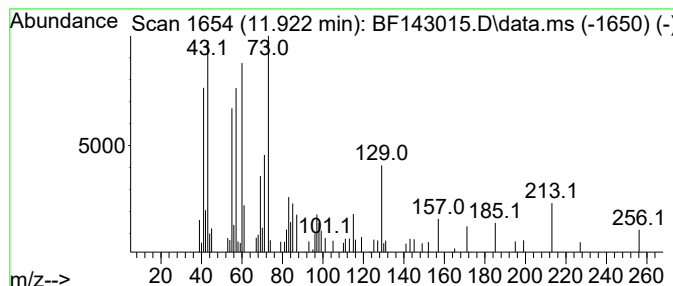
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 12 n-Hexadecanoic acid Concentration Rank 6

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.922	3.89 ng	66528	Phenanthrene-d10	11.404

Hit#	of	5	Tentative ID	MW	MolForm	CAS#	Qual
1			n-Hexadecanoic acid	256	C16H32O2	000057-10-3	99
2			Tetradecanoic acid	228	C14H28O2	000544-63-8	80
3			Pentadecanoic acid	242	C15H30O2	001002-84-2	68
4			Tridecanoic acid	214	C13H26O2	000638-53-9	64
5			Decanoic acid, silver(1+) salt	278	C10H19AgO2	013126-67-5	64



Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF070725\
Data File : BF143015.D
Acq On : 07 Jul 2025 18:21
Operator : RC/JU
Sample : Q2514-02
Misc :
ALS Vial : 14 Sample Multiplier: 1

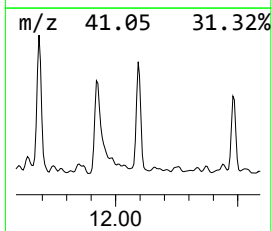
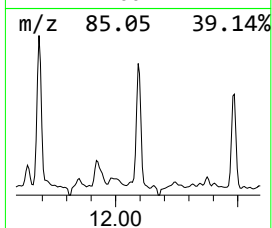
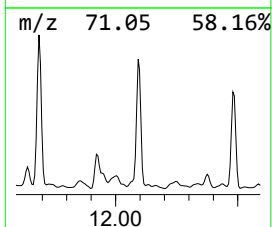
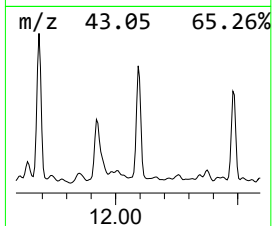
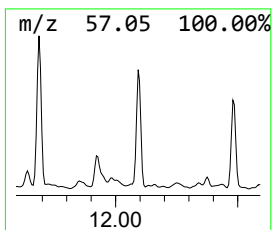
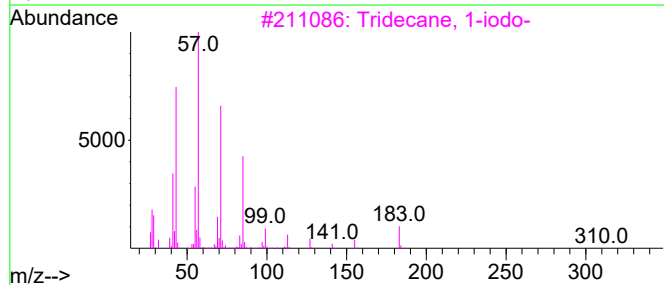
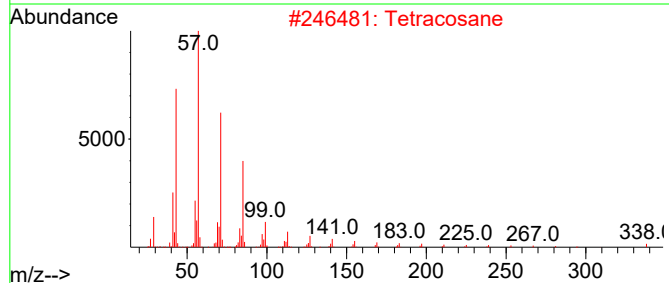
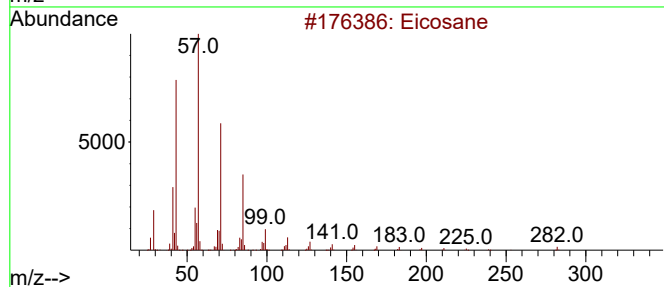
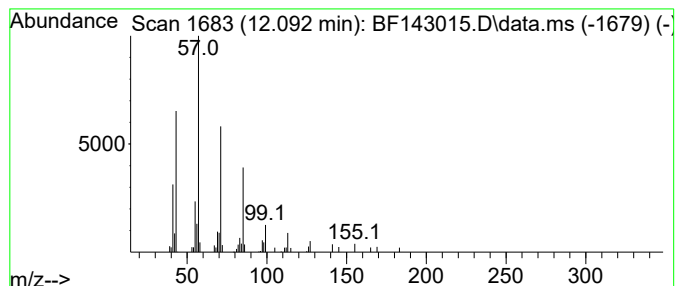
Instrument :
BNA_F
ClientSampleId :
TP-93

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 13 Tetracosane Concentration Rank 10

R.T.	EstConc	Area	Relative to ISTD		R.T.	
12.092	2.68 ng	45906	Phenanthrene-d10		11.404	
Hit# of 5	Tentative ID		MW	MolForm	CAS#	Qual
1	Eicosane		282	C20H42	000112-95-8	91
2	Tetracosane		338	C24H50	000646-31-1	91
3	Tridecane, 1-iodo-		310	C13H27I	035599-77-0	91
4	Heptacosane		380	C27H56	000593-49-7	91
5	Heptadecane		240	C17H36	000629-78-7	90



Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF070725\
Data File : BF143015.D
Acq On : 07 Jul 2025 18:21
Operator : RC/JU
Sample : Q2514-02
Misc :
ALS Vial : 14 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
TP-93

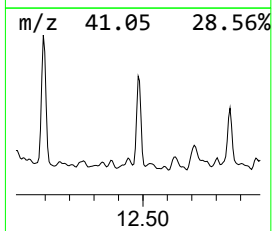
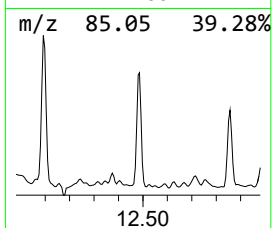
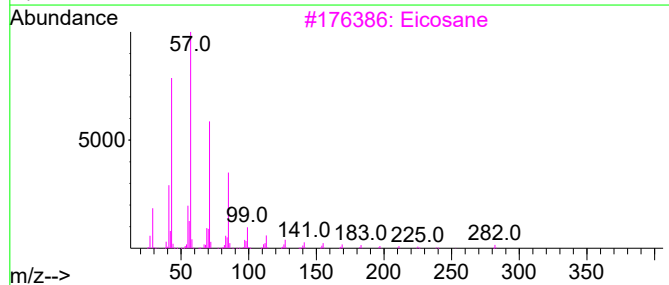
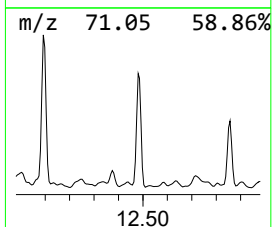
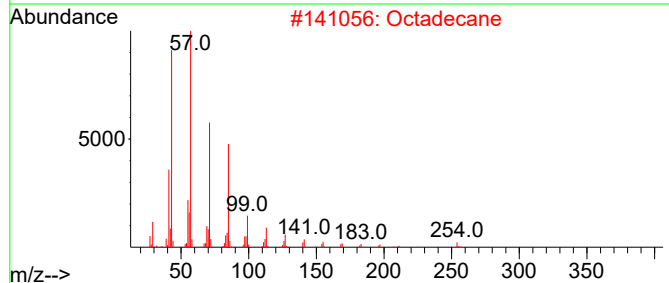
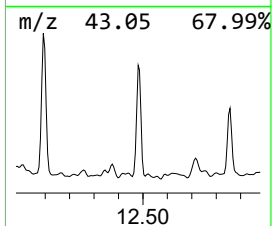
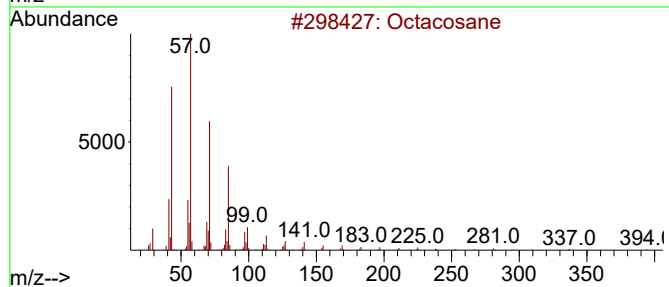
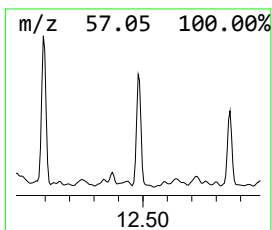
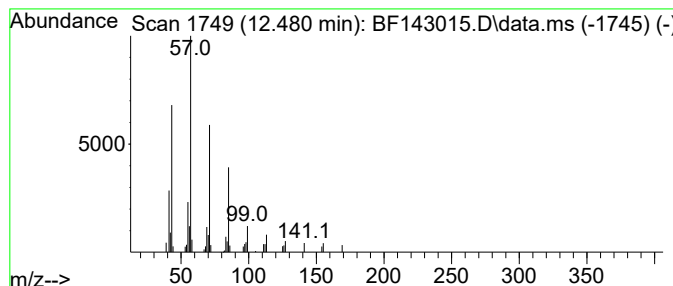
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 14 Octacosane Concentration Rank 13

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.480	2.14 ng	36642	Phenanthrene-d10	11.404

Hit#	of 5	Tentative ID	MW	MolForm	CAS#	Qual
1		Octacosane	394	C28H58	000630-02-4	91
2		Octadecane	254	C18H38	000593-45-3	91
3		Eicosane	282	C20H42	000112-95-8	90
4		Hexadecane	226	C16H34	000544-76-3	90
5		Heptadecane	240	C17H36	000629-78-7	90



Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF070725\
Data File : BF143015.D
Acq On : 07 Jul 2025 18:21
Operator : RC/JU
Sample : Q2514-02
Misc :
ALS Vial : 14 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
TP-93

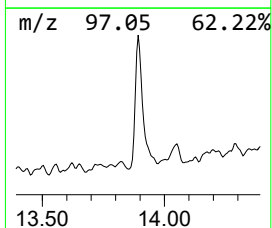
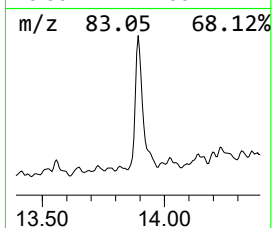
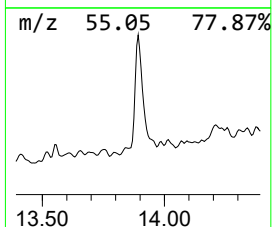
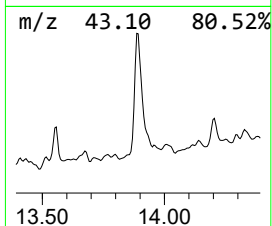
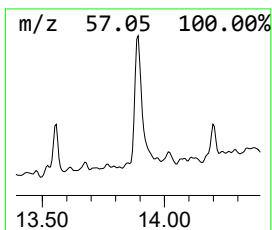
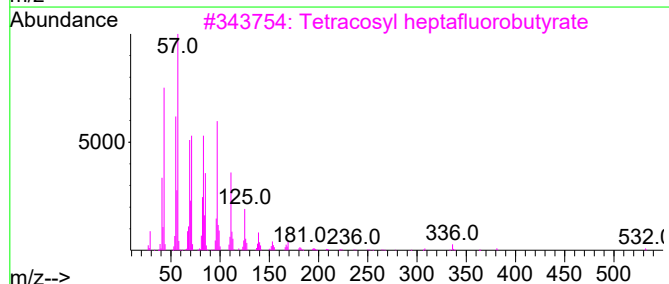
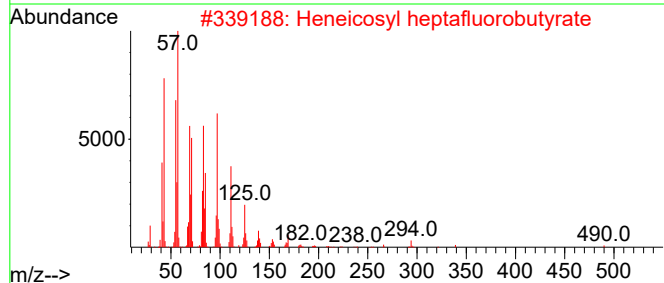
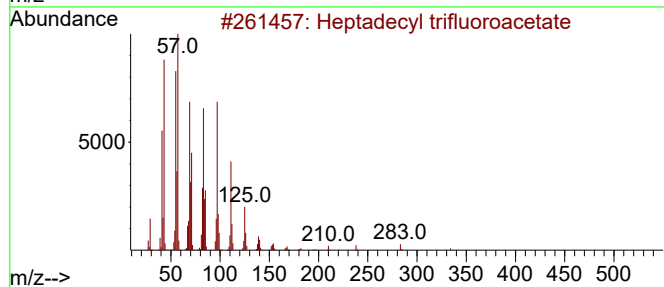
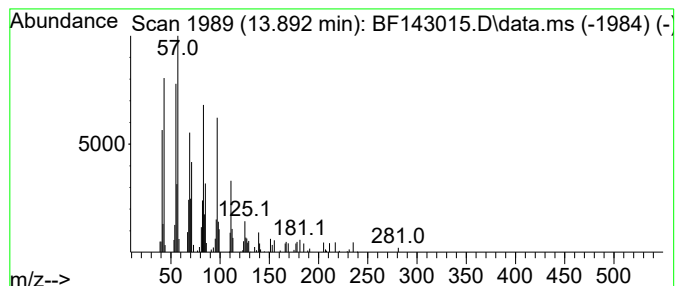
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 15 Heptadecyl trifluoroacetate Concentration Rank 5

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.892	4.33 ng	82334	Chrysene-d12	14.051

Hit#	of	5	Tentative ID	MW	MolForm	CAS#	Qual
1			Heptadecyl trifluoroacetate	352	C19H35F3O2	1010351-87-0	95
2			Heneicosyl heptafluorobutyrate	508	C25H43F7O2	1000351-83-8	93
3			Tetracosyl heptafluorobutyrate	550	C28H49F7O2	1000351-83-7	93
4			Docosyl pentafluoropropionate	472	C25H45F5O2	1000351-80-9	93
5			1-Heneicosanol	312	C21H44O	015594-90-8	93



Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF070725\
Data File : BF143015.D
Acq On : 07 Jul 2025 18:21
Operator : RC/JU
Sample : Q2514-02
Misc :
ALS Vial : 14 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
TP-93

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-...	5.081	4.5	ng	64282	1	6.875	285638	20.0
Tetradecane	9.310	2.1	ng	35689	3	9.916	335508	20.0
1-Octadecanesul...	9.628	2.6	ng	44470	3	9.916	335508	20.0
Tridecane	9.839	3.5	ng	58901	3	9.916	335508	20.0
Nonadecane	10.339	4.3	ng	72724	3	9.916	335508	20.0
Hexacosane	10.557	2.3	ng	38583	3	9.916	335508	20.0
Benzophenone	10.628	4.7	ng	78237	3	9.916	335508	20.0
Eicosane	10.816	7.9	ng	134761	4	11.404	341999	20.0
Heptacosane	11.257	3.8	ng	64688	4	11.404	341999	20.0
Pentadecane, 2,...	11.286	2.1	ng	35642	4	11.404	341999	20.0
Heptadecane	11.686	3.3	ng	56293	4	11.404	341999	20.0
n-Hexadecanoic ...	11.922	3.9	ng	66528	4	11.404	341999	20.0
Tetracosane	12.092	2.7	ng	45906	4	11.404	341999	20.0
Octacosane	12.480	2.1	ng	36642	4	11.404	341999	20.0
Heptadecyl trif...	13.892	4.3	ng	82334	5	14.051	380169	20.0

Report of Analysis

Client:	CDM Smith	Date Collected:	07/02/25
Project:	South River WM Replacement	Date Received:	07/03/25
Client Sample ID:	TP-94	SDG No.:	Q2514
Lab Sample ID:	Q2514-03	Matrix:	SOIL
Analytical Method:	8270E	% Solid:	88.1
Sample Wt/Vol:	30.02	Units:	g
Soil Aliquot Vol:			uL
Extraction Type :		Decanted :	N
Injection Volume :		GPC Factor :	1.0
Prep Method :	SW3541	Level :	LOW
		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
BF143036.D	1	07/07/25 09:00	07/08/25 16:36	PB168737

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)	42.5	U	42.5	190	ug/Kg
98-86-2	Acetophenone	33.5	U	33.5	190	ug/Kg
65794-96-9	3+4-Methylphenols	46.6	U	46.6	370	ug/Kg
621-64-7	n-Nitroso-di-n-propylamine	53.8	U	53.8	90.7	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	66.0	U	66.0	190	ug/Kg
105-67-9	2,4-Dimethylphenol	73.5	U	73.5	190	ug/Kg
111-91-1	bis(2-Chloroethoxy)methane	34.9	U	34.9	190	ug/Kg
120-83-2	2,4-Dichlorophenol	32.1	U	32.1	190	ug/Kg
91-20-3	Naphthalene	25.7	U	25.7	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	59.1	U	59.1	370	ug/Kg
59-50-7	4-Chloro-3-methylphenol	32.6	U	32.6	190	ug/Kg
91-57-6	2-Methylnaphthalene	29.0	U	29.0	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	24.7	U	24.7	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	30.7	U	30.7	190	ug/Kg

Report of Analysis

Client:	CDM Smith	Date Collected:	07/02/25
Project:	South River WM Replacement	Date Received:	07/03/25
Client Sample ID:	TP-94	SDG No.:	Q2514
Lab Sample ID:	Q2514-03	Matrix:	SOIL
Analytical Method:	8270E	% Solid:	88.1
Sample Wt/Vol:	30.02 Units: g	Final Vol:	1000 uL
Soil Aliquot Vol:	uL	Test:	SVOC-TCL BNA -20
Extraction Type :	Decanted : N	Level :	LOW
Injection Volume :	GPC Factor : 1.0	GPC Cleanup :	N PH :
Prep Method :	SW3541		

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
BF143036.D	1	07/07/25 09:00	07/08/25 16:36	PB168737

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	25.7	U	25.7	190	ug/Kg
121-14-2	2,4-Dinitrotoluene	56.8	U	56.8	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	72.8	U	72.8	190	ug/Kg
534-52-1	4,6-Dinitro-2-methylphenol	120	U	120	370	ug/Kg
86-30-6	n-Nitrosodiphenylamine	37.3	U	37.3	190	ug/Kg
101-55-3	4-Bromophenyl-phenylether	31.5	U	31.5	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	54.3	U	54.3	190	ug/Kg
206-44-0	Fluoranthene	34.0	U	34.0	190	ug/Kg
129-00-0	Pyrene	40.8	U	40.8	190	ug/Kg
85-68-7	Butylbenzylphthalate	81.0	U	81.0	190	ug/Kg
91-94-1	3,3-Dichlorobenzidine	41.6	U	41.6	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	98.5	U	98.5	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:	07/02/25
Project:	South River WM Replacement	Date Received:	07/03/25
Client Sample ID:	TP-94	SDG No.:	Q2514
Lab Sample ID:	Q2514-03	Matrix:	SOIL
Analytical Method:	8270E	% Solid:	88.1
Sample Wt/Vol:	30.02 Units: g	Final Vol:	1000 uL
Soil Aliquot Vol:	uL	Test:	SVOC-TCL BNA -20
Extraction Type :	Decanted : N	Level :	LOW
Injection Volume :	GPC Factor : 1.0	GPC Cleanup :	N PH :
Prep Method :	SW3541		

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
BF143036.D	1	07/07/25 09:00	07/08/25 16:36	PB168737

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	29.0	U	29.0	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	80.1		18 - 112	53%	SPK: 150
13127-88-3	Phenol-d6	80.7		15 - 107	54%	SPK: 150
4165-60-0	Nitrobenzene-d5	51.9		18 - 107	52%	SPK: 100
321-60-8	2-Fluorobiphenyl	55.1		20 - 109	55%	SPK: 100
118-79-6	2,4,6-Tribromophenol	56.5		10 - 116	38%	SPK: 150
1718-51-0	Terphenyl-d14	37.5		10 - 105	37%	SPK: 100

INTERNAL STANDARDS

3855-82-1	1,4-Dichlorobenzene-d4	53300	6.869	
1146-65-2	Naphthalene-d8	200000	8.157	
15067-26-2	Acenaphthene-d10	97900	9.916	
1517-22-2	Phenanthrene-d10	139000	11.404	
1719-03-5	Chrysene-d12	104000	14.051	
1520-96-3	Perylene-d12	131000	15.551	

TENTATIVE IDENTIFIED COMPOUNDS

000123-42-2	2-Pentanone, 4-hydroxy-4-methyl-	230	AB	5.08	ug/Kg
000119-61-9	Benzophenone	230	J	10.6	ug/Kg
015594-90-8	1-Heneicosanol	180	J	13.9	ug/Kg
1000366-97-0	3,6,9,12-Tetraoxatetradecane-1,14-	210	J	13.9	ug/Kg
000506-51-4	n-Tetracosanol-1	210	J	14.5	ug/Kg

Report of Analysis

Client:	CDM Smith	Date Collected:	07/02/25
Project:	South River WM Replacement	Date Received:	07/03/25
Client Sample ID:	TP-94	SDG No.:	Q2514
Lab Sample ID:	Q2514-03	Matrix:	SOIL
Analytical Method:	8270E	% Solid:	88.1
Sample Wt/Vol:	30.02 Units: g	Final Vol:	1000 uL
Soil Aliquot Vol:	uL	Test:	SVOC-TCL BNA -20
Extraction Type :	Decanted : N	Level :	LOW
Injection Volume :	GPC Factor : 1.0	GPC Cleanup :	N PH :
Prep Method :	SW3541		

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
BF143036.D	1	07/07/25 09:00	07/08/25 16:36	PB168737

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\BF070825\
Data File : BF143036.D
Acq On : 08 Jul 2025 16:36
Operator : RC/JU
Sample : Q2514-03
Misc :
ALS Vial : 13 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
TP-94

Quant Time: Jul 08 17:01:46 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	53325	20.000	ng	-0.01
21) Naphthalene-d8	8.157	136	200031	20.000	ng	-0.01
39) Acenaphthene-d10	9.916	164	97923	20.000	ng	0.00
64) Phenanthrene-d10	11.404	188	139376	20.000	ng	0.00
76) Chrysene-d12	14.051	240	103985	20.000	ng	0.00
86) Perylene-d12	15.551	264	130813	20.000	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.493	112	256700	80.147	ng	0.00
7) Phenol-d6	6.504	99	305035	80.724	ng	0.00
23) Nitrobenzene-d5	7.434	82	189345	51.921	ng	-0.01
42) 2,4,6-Tribromophenol	10.704	330	56884	56.450	ng	-0.01
45) 2-Fluorobiphenyl	9.234	172	410923	55.127	ng	-0.01
79) Terphenyl-d14	12.992	244	281903	37.458	ng	0.00

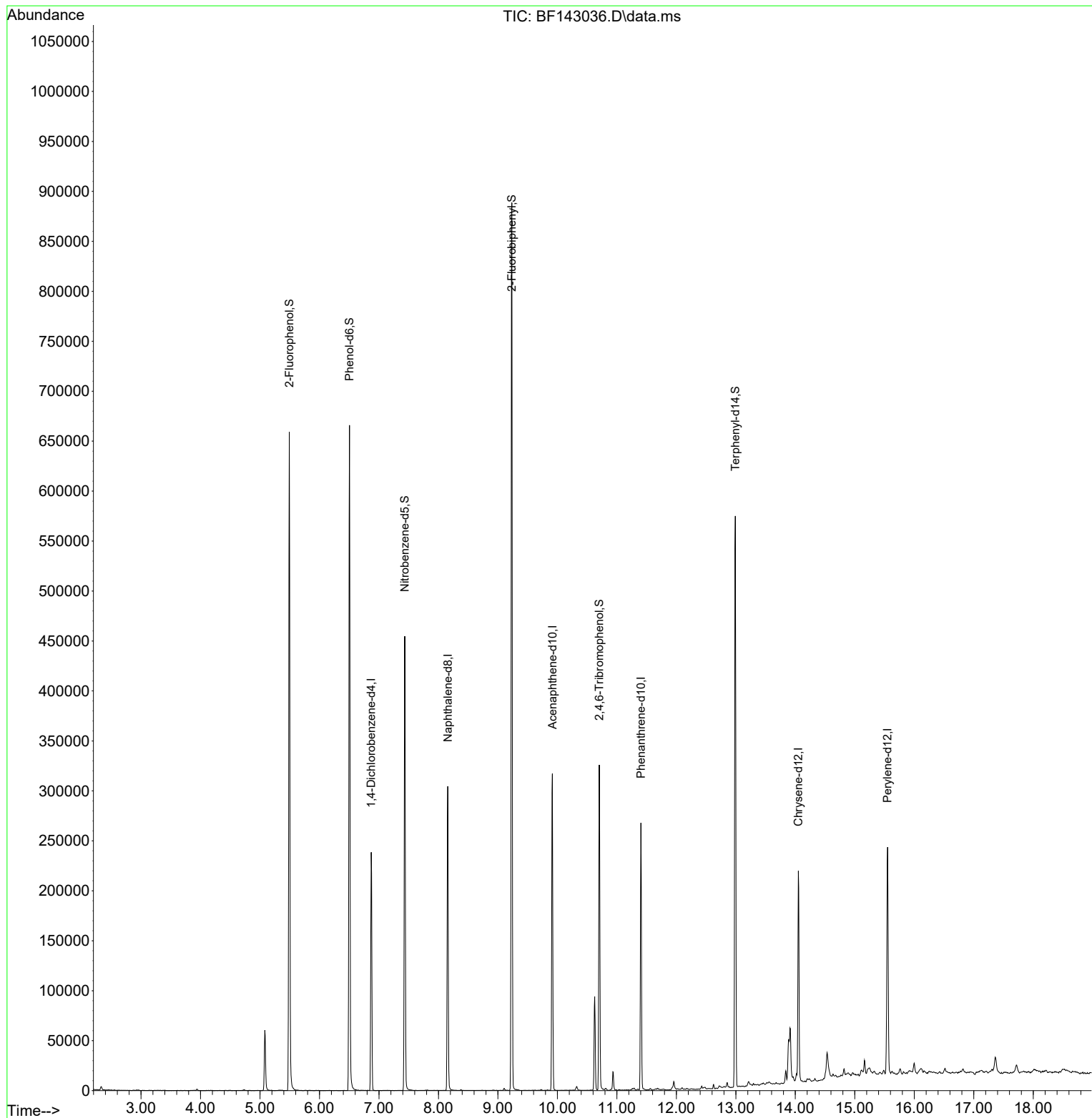
Target Compounds	Qvalue

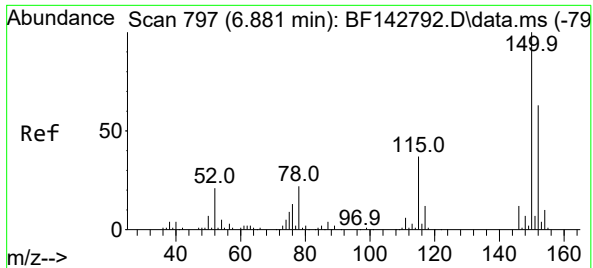
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF070825\
Data File : BF143036.D
Acq On : 08 Jul 2025 16:36
Operator : RC/JU
Sample : Q2514-03
Misc :
ALS Vial : 13 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
TP-94

Quant Time: Jul 08 17:01:46 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

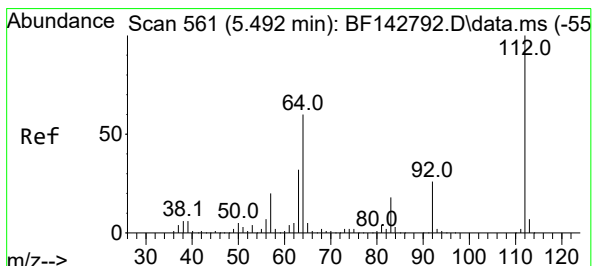
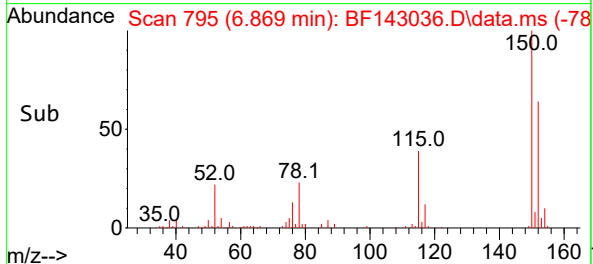
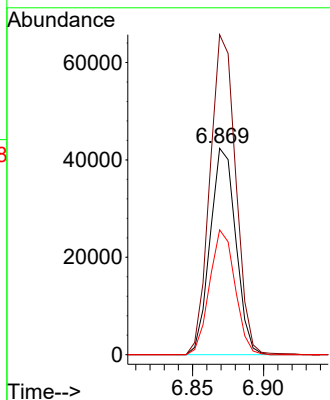
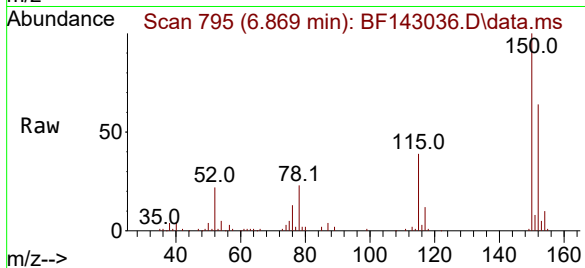




#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.869 min Scan# 797
Delta R.T. -0.012 min
Lab File: BF143036.D
Acq: 08 Jul 2025 16:36

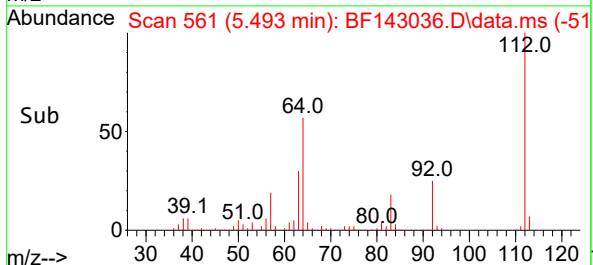
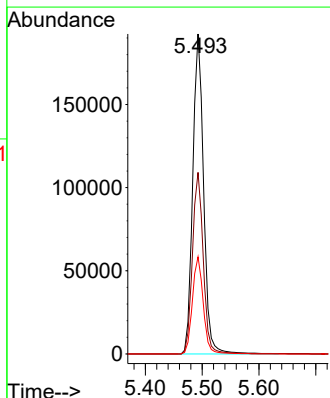
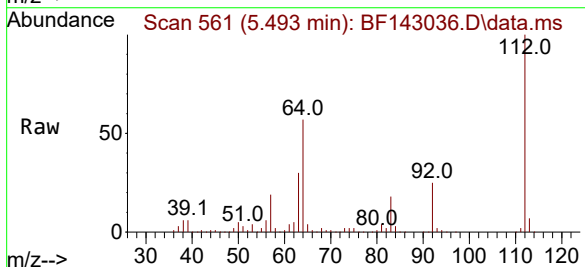
Instrument :
BNA_F
ClientSampleId :
TP-94

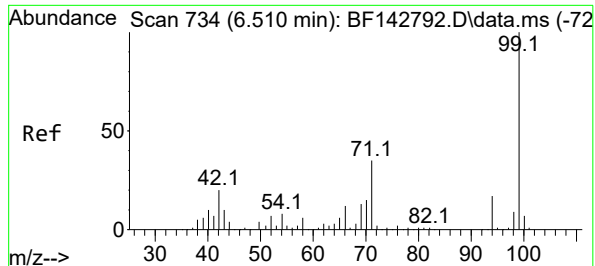
Tgt Ion:152 Resp: 53325
Ion Ratio Lower Upper
152 100
150 155.1 127.2 190.8
115 60.5 46.6 69.8



#5
2-Fluorophenol
Concen: 80.147 ng
RT: 5.493 min Scan# 561
Delta R.T. 0.001 min
Lab File: BF143036.D
Acq: 08 Jul 2025 16:36

Tgt Ion:112 Resp: 256700
Ion Ratio Lower Upper
112 100
64 56.8 48.2 72.2
63 30.4 25.7 38.5

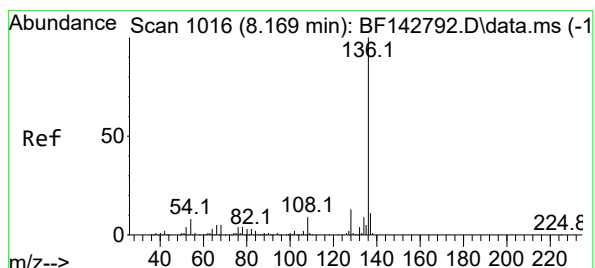
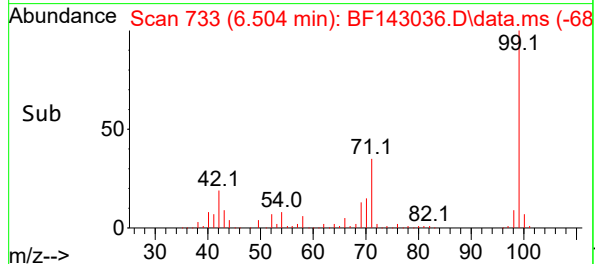
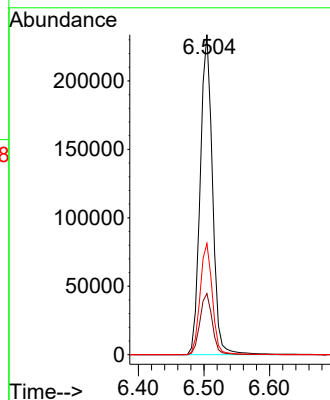
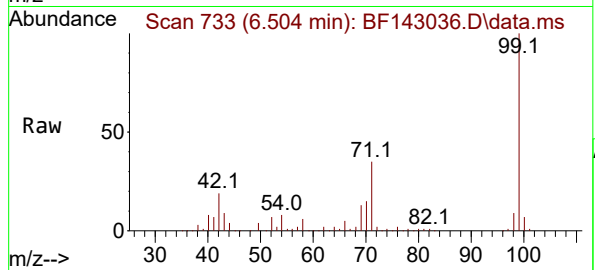




#7
Phenol-d6
Concen: 80.724 ng
RT: 6.504 min Scan# 71
Delta R.T. -0.006 min
Lab File: BF143036.D
Acq: 08 Jul 2025 16:36

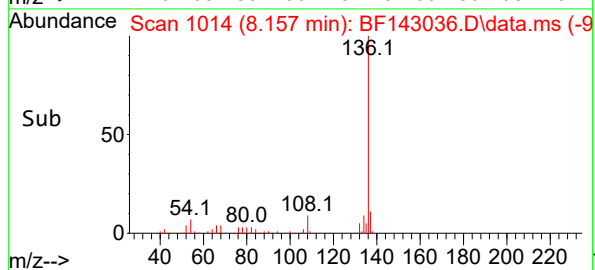
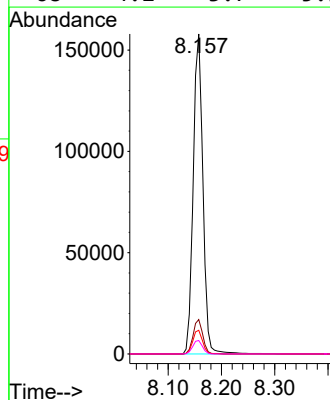
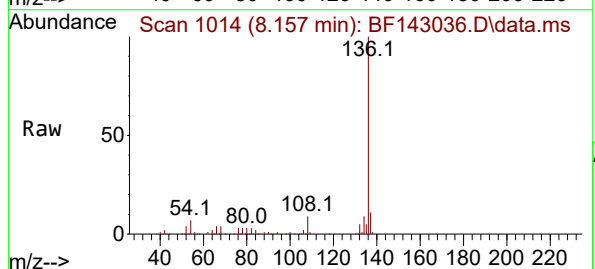
Instrument :
BNA_F
ClientSampleId :
TP-94

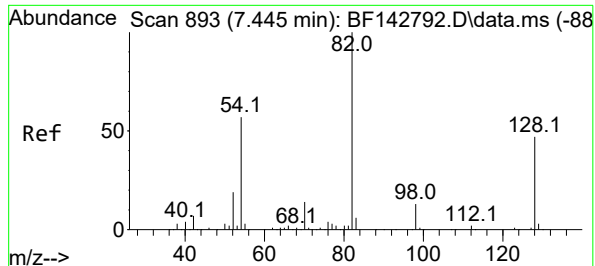
Tgt Ion: 99 Resp: 305035
Ion Ratio Lower Upper
99 100
42 19.1 15.9 23.9
71 34.7 27.8 41.8



#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.157 min Scan# 1014
Delta R.T. -0.012 min
Lab File: BF143036.D
Acq: 08 Jul 2025 16:36

Tgt Ion: 136 Resp: 200031
Ion Ratio Lower Upper
136 100
137 10.8 8.4 12.6
54 7.4 6.3 9.5
68 4.2 3.7 5.5





#23

Nitrobenzene-d5

Concen: 51.921 ng

RT: 7.434 min Scan# 89

Delta R.T. -0.011 min

Lab File: BF143036.D

Acq: 08 Jul 2025 16:36

Instrument :

BNA_F

ClientSampleId :

TP-94

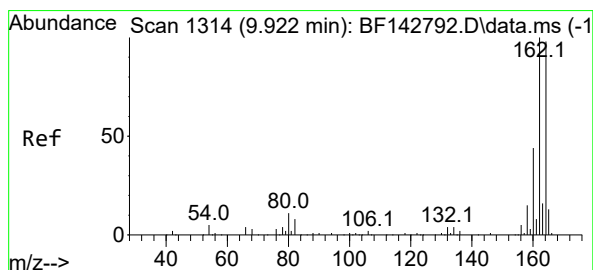
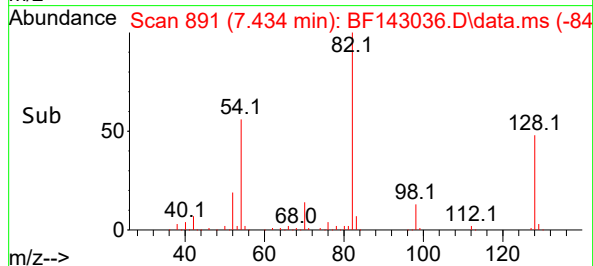
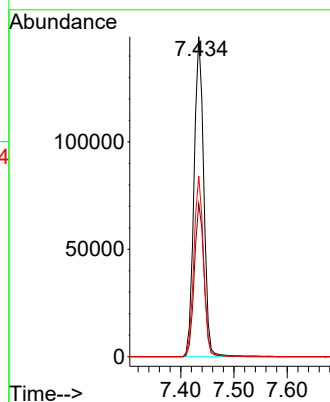
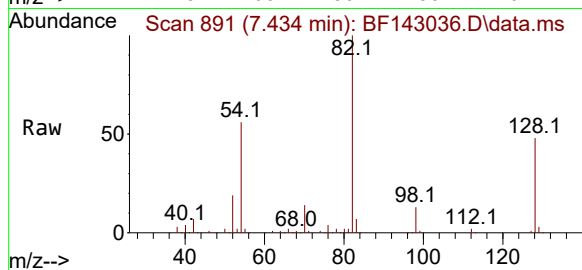
Tgt Ion: 82 Resp: 189345

Ion Ratio Lower Upper

82 100

128 47.8 37.7 56.5

54 56.4 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: BF143036.D

Acq: 08 Jul 2025 16:36

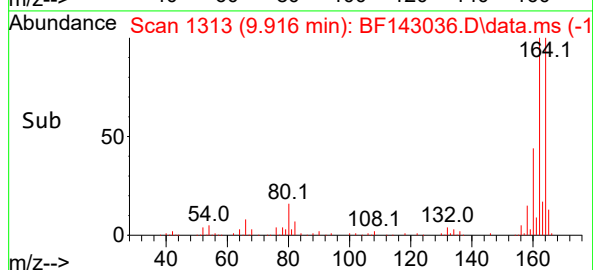
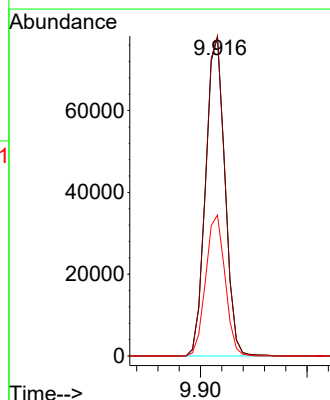
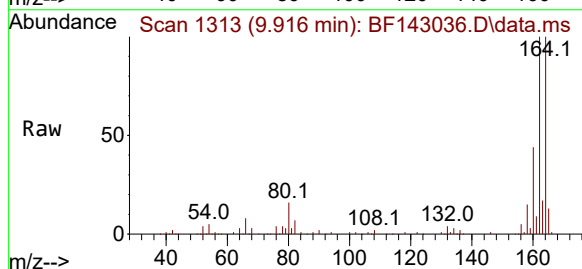
Tgt Ion:164 Resp: 97923

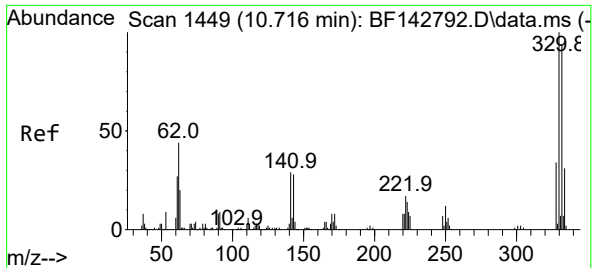
Ion Ratio Lower Upper

164 100

162 100.3 81.8 122.8

160 44.2 36.0 54.0

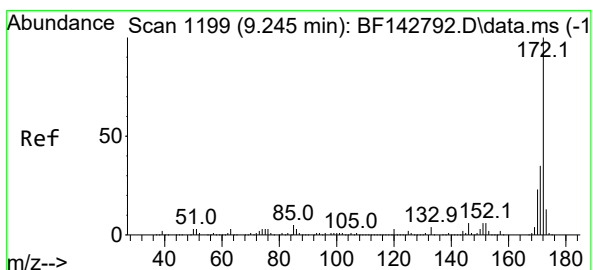
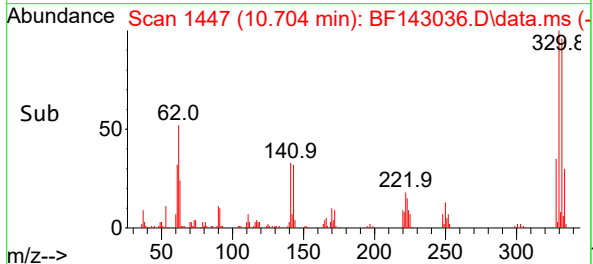
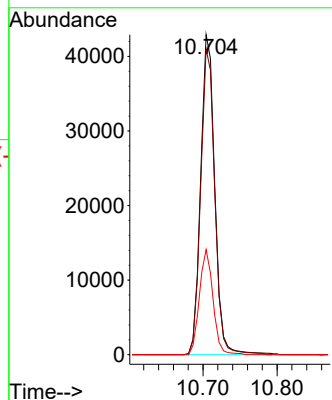
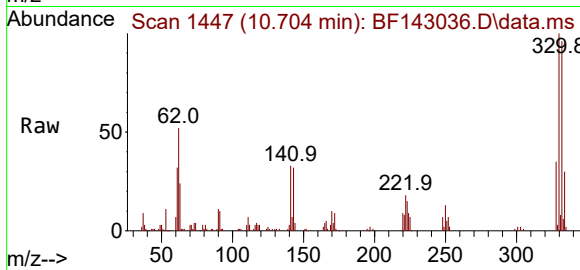




#42
2,4,6-Tribromophenol
Concen: 56.450 ng
RT: 10.704 min Scan# 1447
Delta R.T. -0.012 min
Lab File: BF143036.D
Acq: 08 Jul 2025 16:36

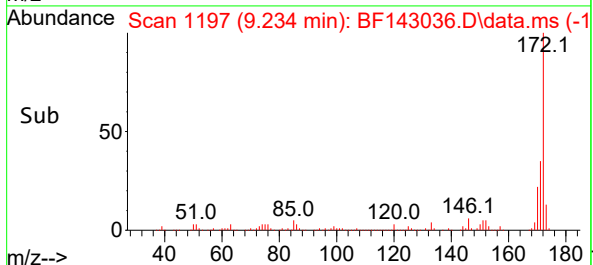
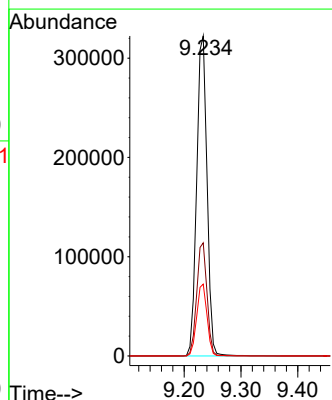
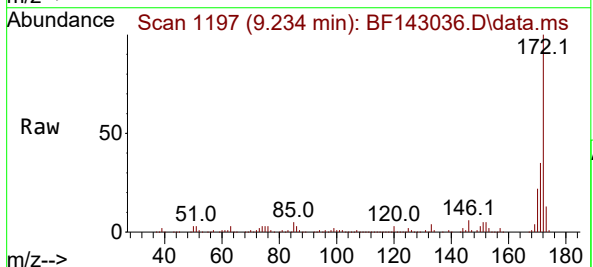
Instrument :
BNA_F
ClientSampleId :
TP-94

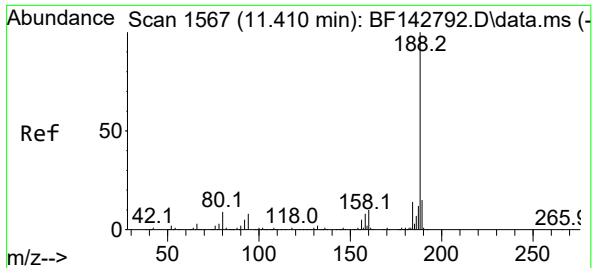
Tgt Ion: 330 Resp: 56884
Ion Ratio Lower Upper
330 100
332 95.1 75.0 112.6
141 31.5 25.3 37.9



#45
2-Fluorobiphenyl
Concen: 55.127 ng
RT: 9.234 min Scan# 1197
Delta R.T. -0.011 min
Lab File: BF143036.D
Acq: 08 Jul 2025 16:36

Tgt Ion: 172 Resp: 410923
Ion Ratio Lower Upper
172 100
171 35.3 28.2 42.4
170 22.5 18.5 27.7

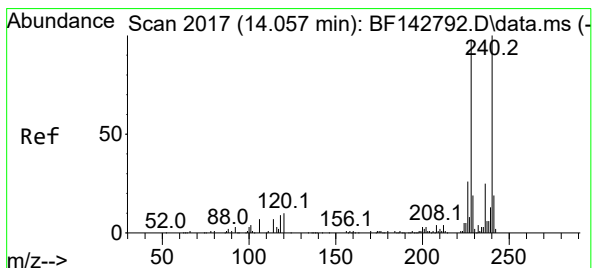
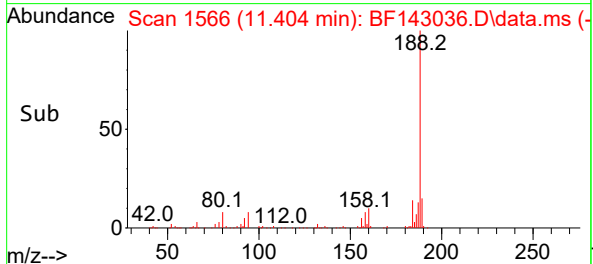
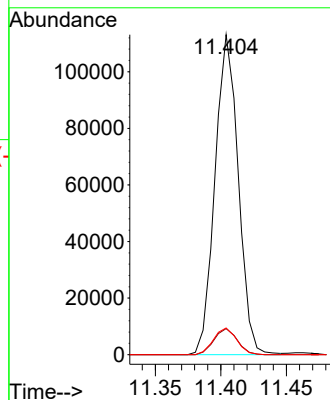
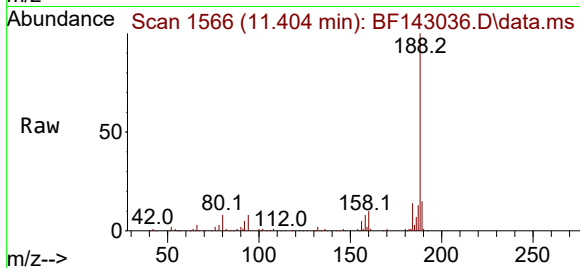




#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.404 min Scan# 1
Delta R.T. -0.006 min
Lab File: BF143036.D
Acq: 08 Jul 2025 16:36

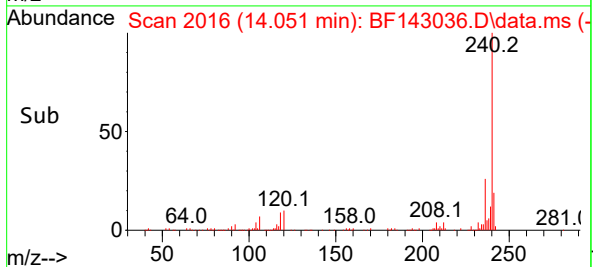
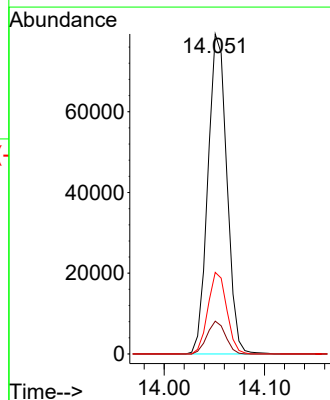
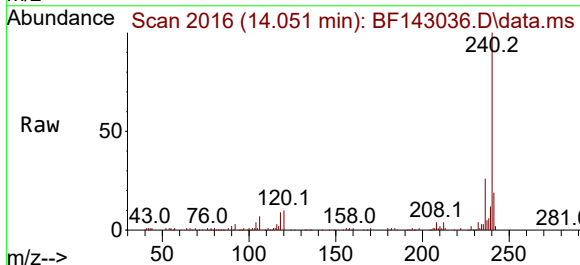
Instrument :
BNA_F
ClientSampleId :
TP-94

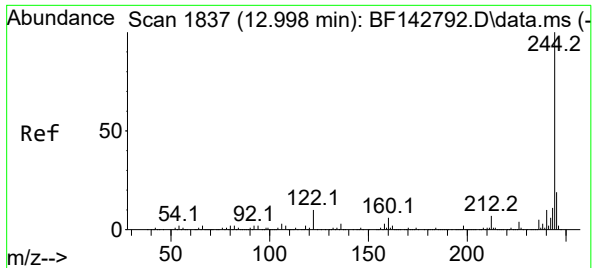
Tgt Ion:188 Resp: 139376
Ion Ratio Lower Upper
188 100
94 8.2 6.7 10.1
80 8.3 6.9 10.3



#76
Chrysene-d12
Concen: 20.000 ng
RT: 14.051 min Scan# 2016
Delta R.T. -0.006 min
Lab File: BF143036.D
Acq: 08 Jul 2025 16:36

Tgt Ion:240 Resp: 103985
Ion Ratio Lower Upper
240 100
120 10.2 8.2 12.2
236 25.5 19.8 29.8





#79

Terphenyl-d14

Concen: 37.458 ng

RT: 12.992 min Scan# 1836

Delta R.T. -0.006 min

Lab File: BF143036.D

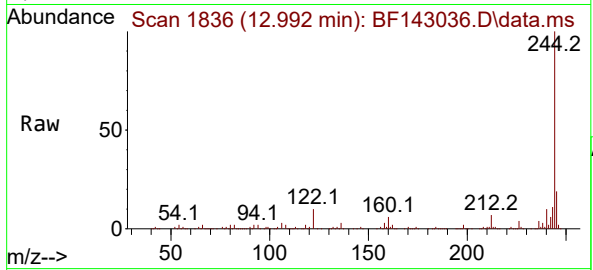
Acq: 08 Jul 2025 16:36

Instrument :

BNA_F

ClientSampleId :

TP-94



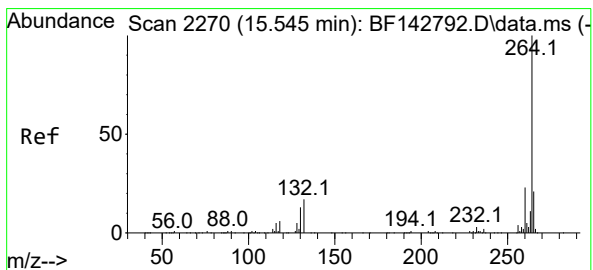
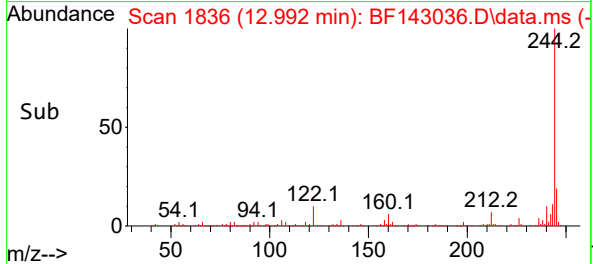
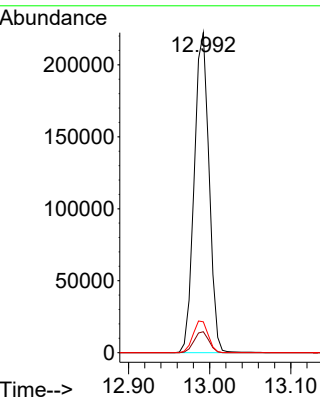
Tgt Ion:244 Resp: 281903

Ion Ratio Lower Upper

244 100

212 6.6 5.4 8.0

122 9.7 8.2 12.2



#86

Perylene-d12

Concen: 20.000 ng

RT: 15.551 min Scan# 2271

Delta R.T. 0.006 min

Lab File: BF143036.D

Acq: 08 Jul 2025 16:36

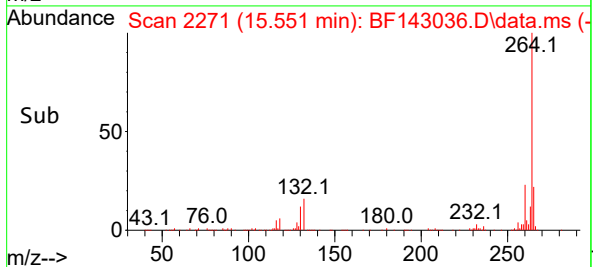
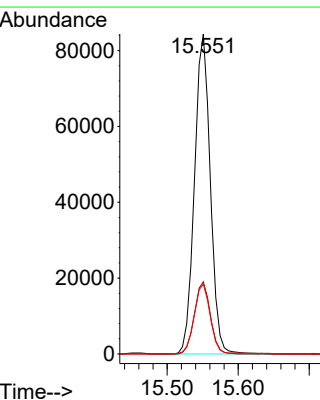
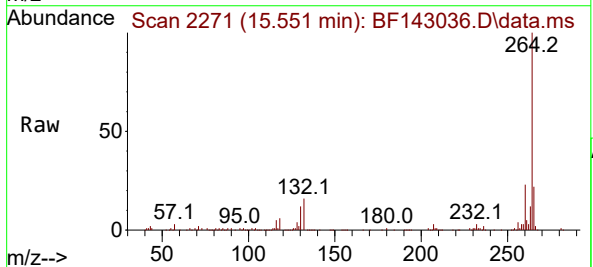
Tgt Ion:264 Resp: 130813

Ion Ratio Lower Upper

264 100

260 22.6 18.1 27.1

265 21.8 16.6 25.0



Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF070825\
Data File : BF143036.D
Acq On : 08 Jul 2025 16:36
Operator : RC/JU
Sample : Q2514-03
Misc :
ALS Vial : 13 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
TP-94

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: BF143036.D\data.ms

peak #	R.T. min	first scan	max scan	last scan	PK TY	peak height	corr. area	corr. % max.	% of total
1	5.081	484	491	502	rBV	60496	91558	8.07%	1.276%
2	5.493	556	561	577	rBV	658729	870673	76.77%	12.137%
3	6.504	727	733	750	rBV	665855	869330	76.65%	12.118%
4	6.869	791	795	802	rBV	238403	295067	26.02%	4.113%
5	7.434	886	891	906	rBV	454486	572317	50.46%	7.978%
6	8.157	1009	1014	1035	rBV	304357	381252	33.61%	5.315%
7	9.234	1191	1197	1202	rBV	888201	1134180	100.00%	15.810%
8	9.916	1308	1313	1320	rBV	316892	397212	35.02%	5.537%
9	10.628	1428	1434	1442	rBV	93619	119813	10.56%	1.670%
10	10.704	1442	1447	1458	rBV	325336	413281	36.44%	5.761%
11	10.933	1482	1486	1493	rVB	18256	24321	2.14%	0.339%
12	11.404	1561	1566	1573	rBV	267322	327941	28.91%	4.571%
13	11.957	1651	1660	1667	rBV	8114	15758	1.39%	0.220%
14	12.992	1830	1836	1841	rBV	571594	728958	64.27%	10.161%
15	13.839	1975	1980	1983	rBV	12095	18528	1.63%	0.258%
16	13.892	1983	1989	1990	rVV2	40849	65995	5.82%	0.920%
17	13.910	1990	1992	2000	rVB	50234	76066	6.71%	1.060%
18	14.051	2012	2016	2025	rVB	210184	277720	24.49%	3.871%
19	14.533	2090	2098	2112	rBV3	25976	76570	6.75%	1.067%
20	15.163	2201	2205	2210	rVB	12977	17800	1.57%	0.248%
21	15.551	2265	2271	2280	rVB	226472	351795	31.02%	4.904%
22	15.998	2344	2347	2356	rVB	10611	17814	1.57%	0.248%
23	17.362	2576	2579	2589	rVB7	14953	29820	2.63%	0.416%

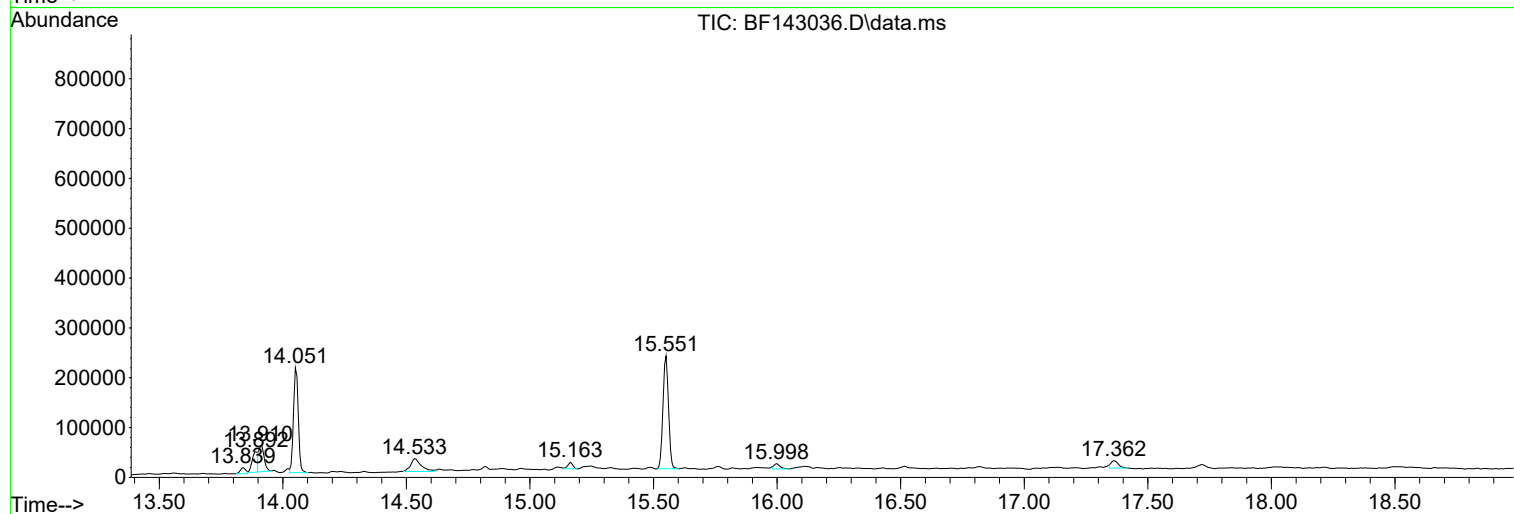
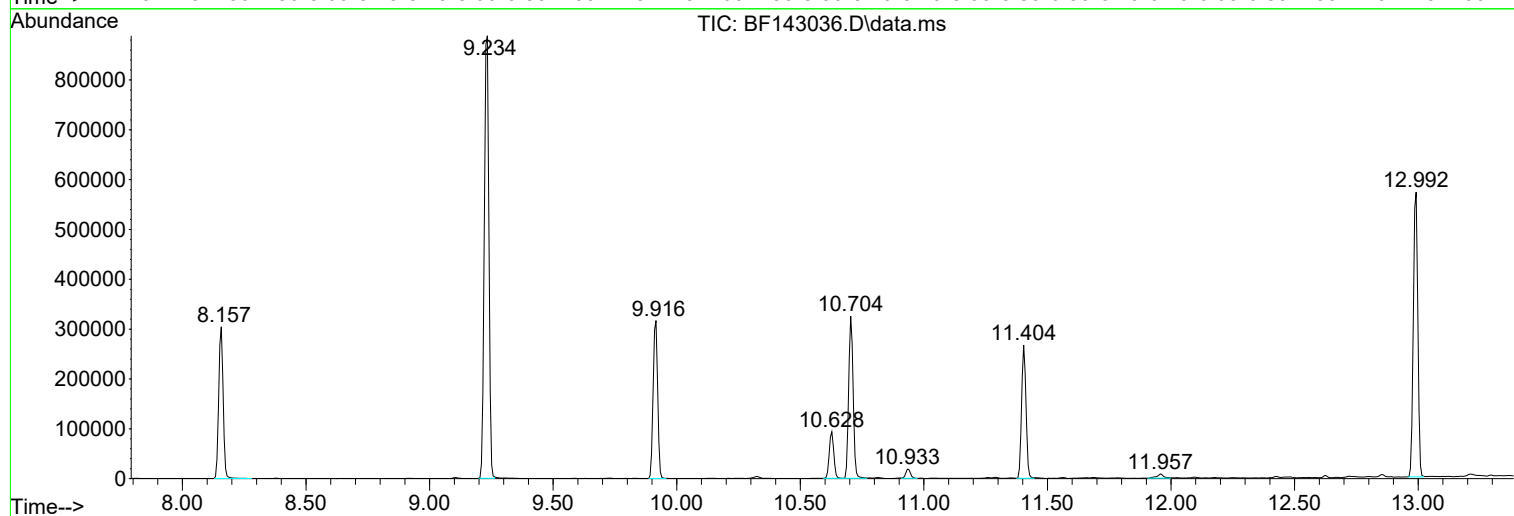
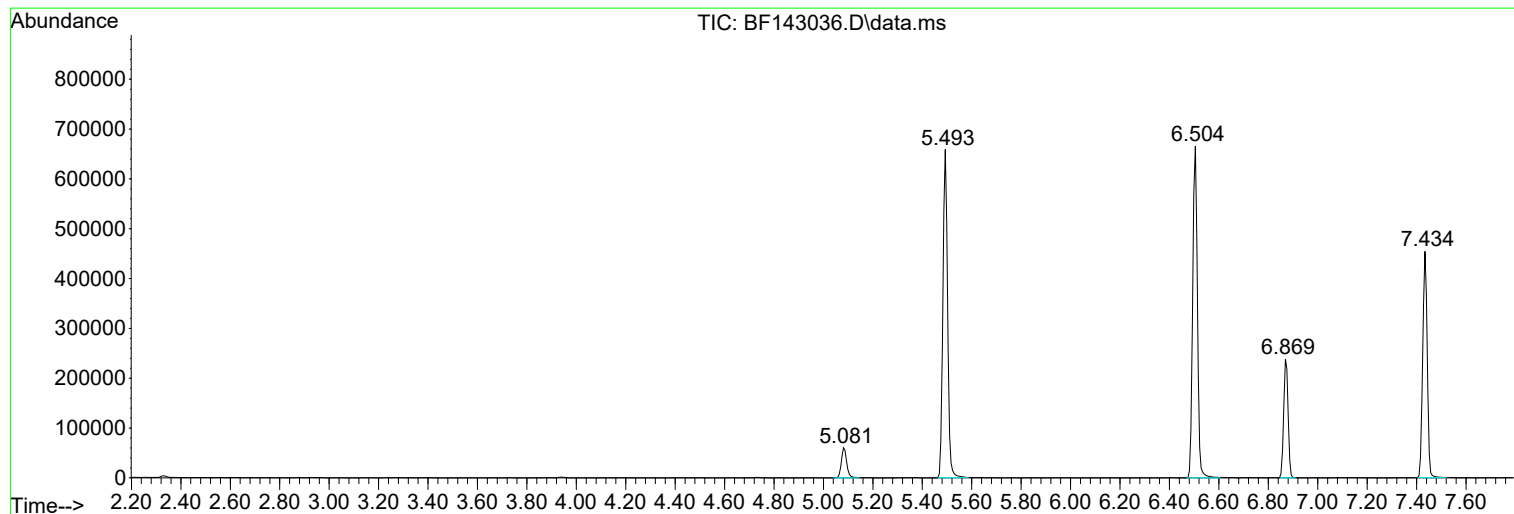
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Data File : BF143036.D
Acq On : 08 Jul 2025 16:36
Operator : RC/JU
Sample : Q2514-03
Misc :
ALS Vial : 13 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
TP-94

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\BF070825\
Data File : BF143036.D
Acq On : 08 Jul 2025 16:36
Operator : RC/JU
Sample : Q2514-03
Misc :
ALS Vial : 13 Sample Multiplier: 1

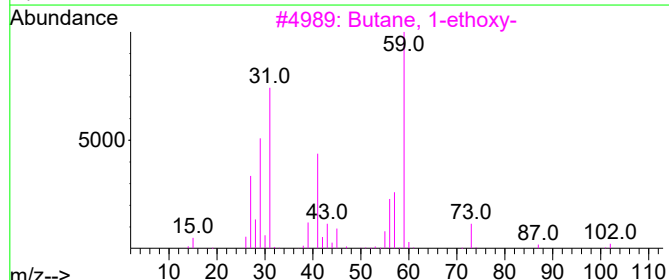
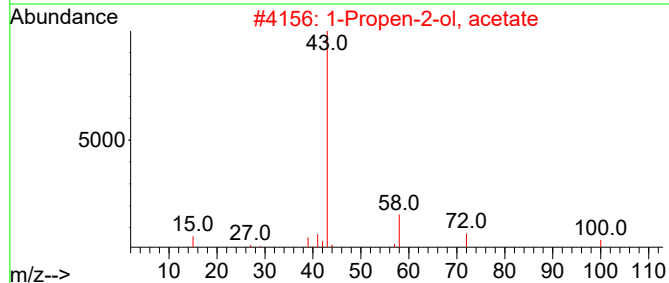
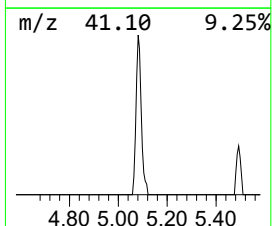
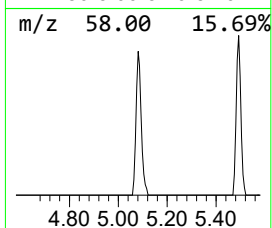
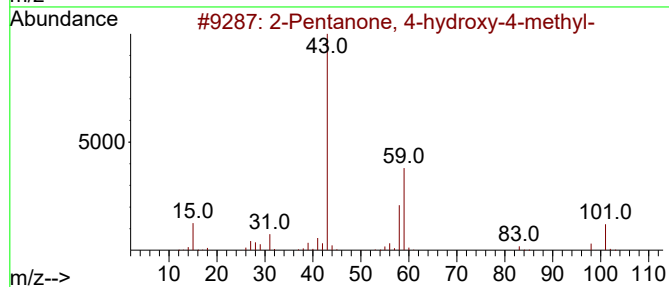
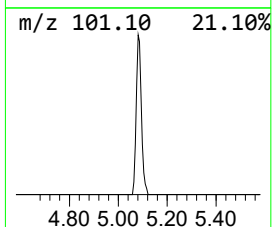
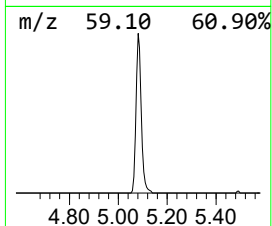
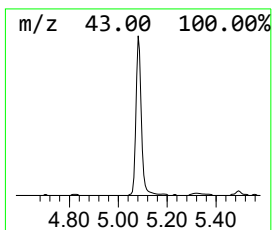
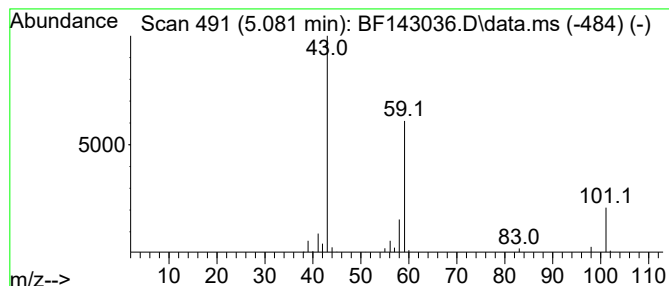
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ClientSampleId :
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Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF061925.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

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

R.T.	EstConc	Area	Relative to ISTD		R.T.	
5.081	6.21 ng	91558	1,4-Dichlorobenzene-d4		6.869	
Hit# of 5	Tentative ID		MW	MolForm	CAS#	Qual
1	2-Pentanone, 4-hydroxy-4-methyl-		116	C6H12O2	000123-42-2	64
2	1-Propen-2-ol, acetate		100	C5H8O2	000108-22-5	10
3	Butane, 1-ethoxy-		102	C6H14O	000628-81-9	9
4	2,3-Butanedione, monooxime		101	C4H7NO2	000057-71-6	9
5	Morpholine, 4-methyl-		101	C5H11NO	000109-02-4	9



Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF070825\
Data File : BF143036.D
Acq On : 08 Jul 2025 16:36
Operator : RC/JU
Sample : Q2514-03
Misc :
ALS Vial : 13 Sample Multiplier: 1

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BNA_F
ClientSampleId :
TP-94

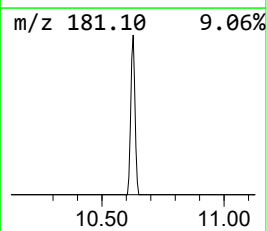
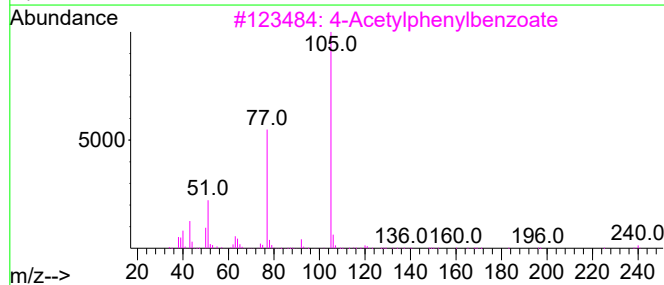
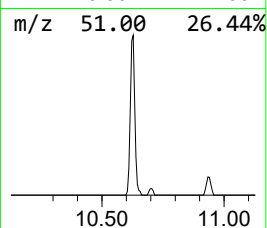
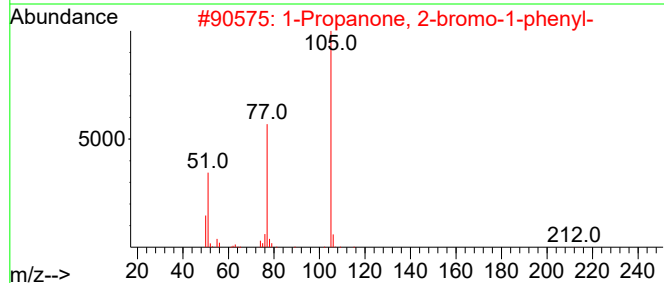
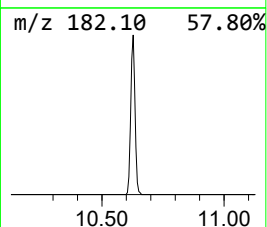
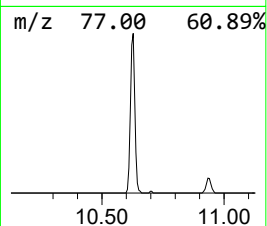
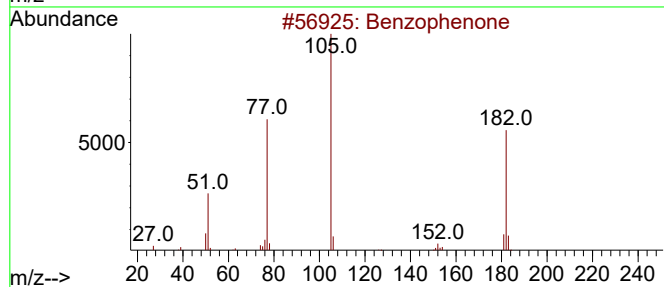
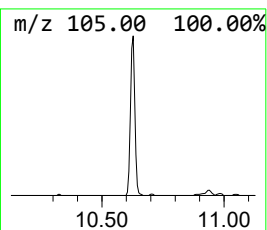
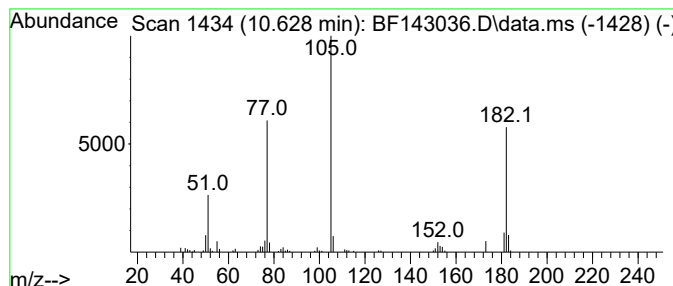
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 2 Benzophenone Concentration Rank 2

R.T.	EstConc	Area	Relative to ISTD	R.T.
10.628	6.03 ng	119813	Acenaphthene-d10	9.916

Hit#	of	5	Tentative ID	MW	MolForm	CAS#	Qual
1			Benzophenone	182	C13H10O	000119-61-9	96
2			1-Propanone, 2-bromo-1-phenyl-	212	C9H9BrO	002114-00-3	43
3			4-Acetylphenylbenzoate	240	C15H12O3	001523-18-8	43
4			N-Methylbenzamide, N-trifluoroac...	231	C10H8F3NO2	1000446-91-5	43
5			Disulfide, dibenzoyl	274	C14H10O2S2	000644-32-6	43



Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF070825\
Data File : BF143036.D
Acq On : 08 Jul 2025 16:36
Operator : RC/JU
Sample : Q2514-03
Misc :
ALS Vial : 13 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
TP-94

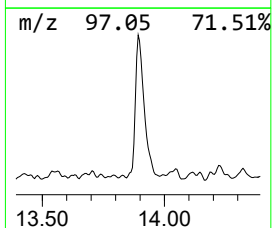
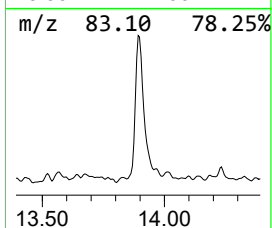
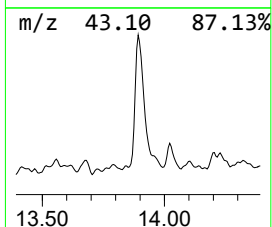
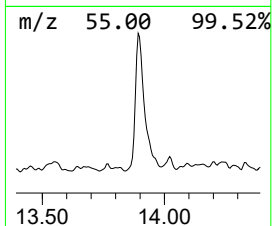
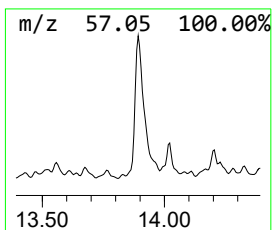
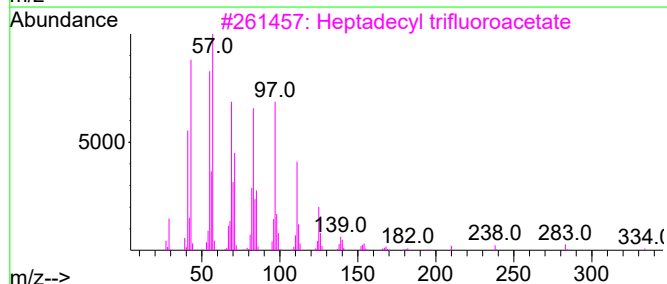
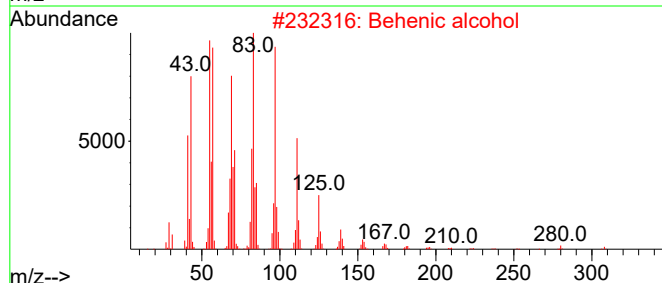
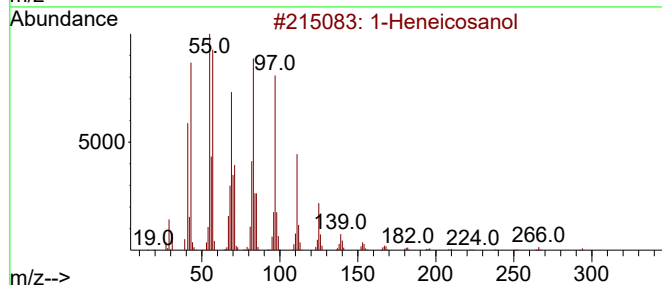
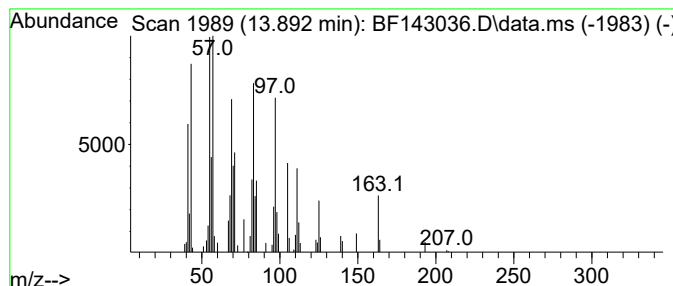
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 3 1-Heneicosanol Concentration Rank 5

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.892	4.75 ng	65995	Chrysene-d12	14.051

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



Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF070825\
Data File : BF143036.D
Acq On : 08 Jul 2025 16:36
Operator : RC/JU
Sample : Q2514-03
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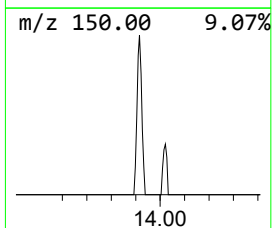
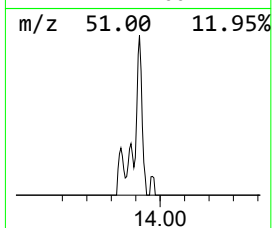
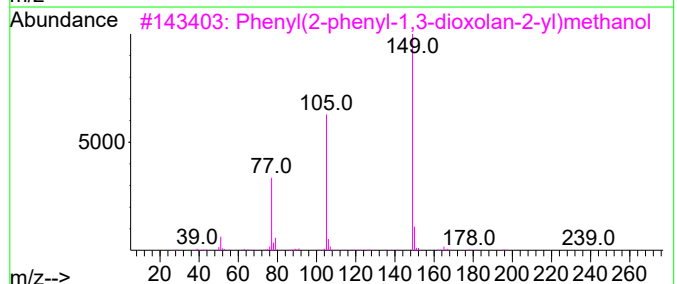
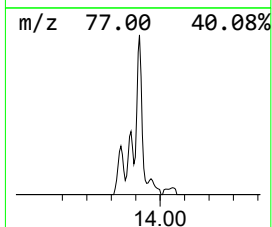
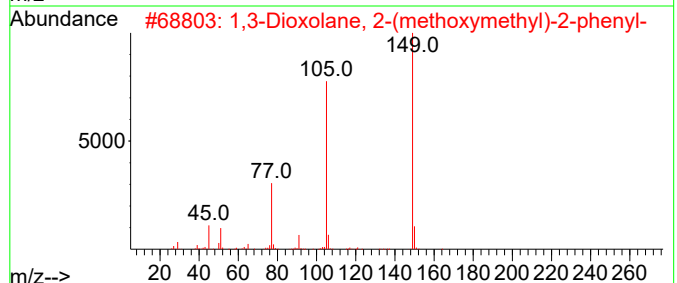
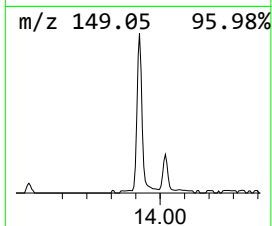
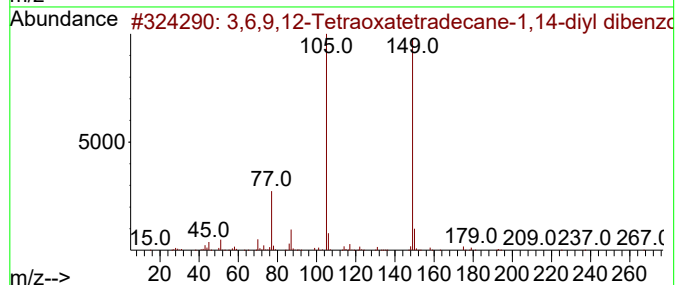
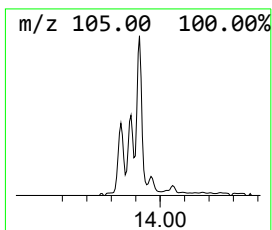
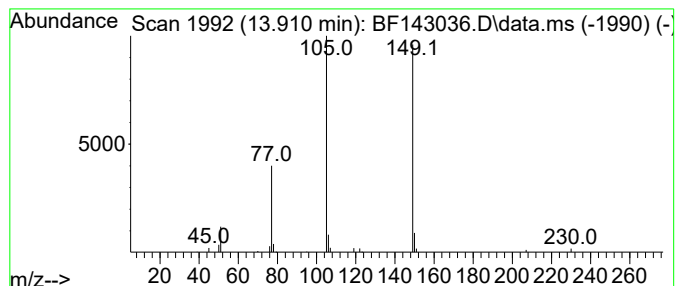
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ClientSampleId :
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 4 3,6,9,12-Tetraoxatetradecan... Concentration Rank 4

R.T.	EstConc	Area	Relative to ISTD	R.T.	
13.910	5.48 ng	76066	Chrysene-d12	14.051	
Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	3,6,9,12-Tetraoxatetradecane-1,1...	446	C24H30O8	1000366-97-0	83
2	1,3-Dioxolane, 2-(methoxymethyl)...	194	C11H14O3	1000156-71-2	83
3	Phenyl(2-phenyl-1,3-dioxolan-2-y...	256	C16H16O3	005694-69-9	78
4	Benzoic acid, 2-(2-chlorophenoxy...	276	C15H13ClO3	1000368-25-9	78
5	Phenyl(2-phenyl-1,3-dioxolan-2-y...	270	C17H18O3	1000507-07-6	78



Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF070825\
Data File : BF143036.D
Acq On : 08 Jul 2025 16:36
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Sample : Q2514-03
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Instrument :
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ClientSampleId :
TP-94

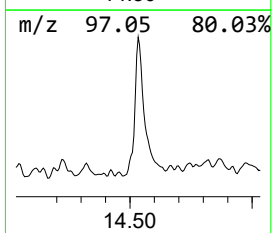
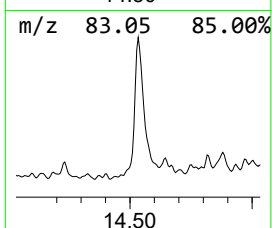
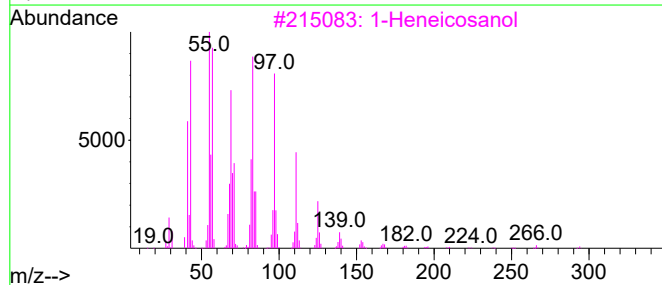
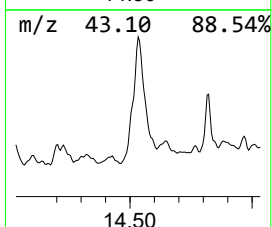
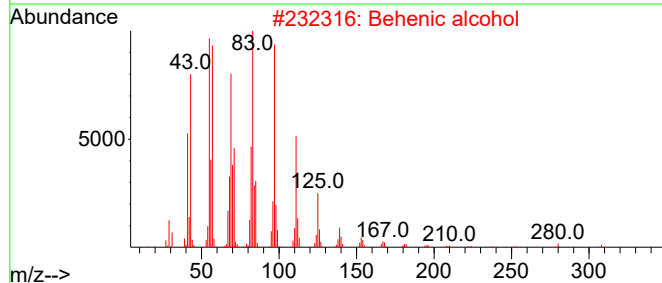
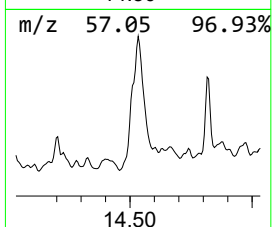
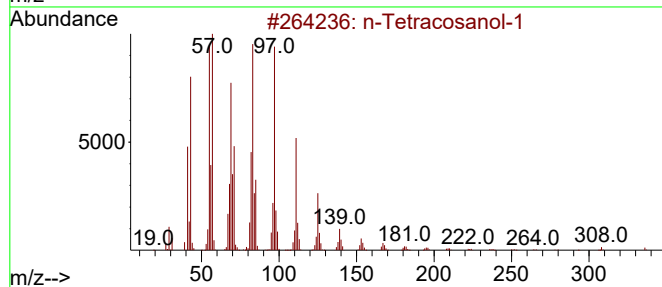
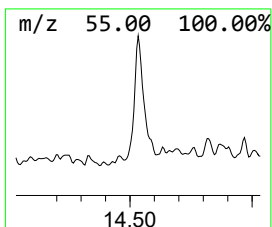
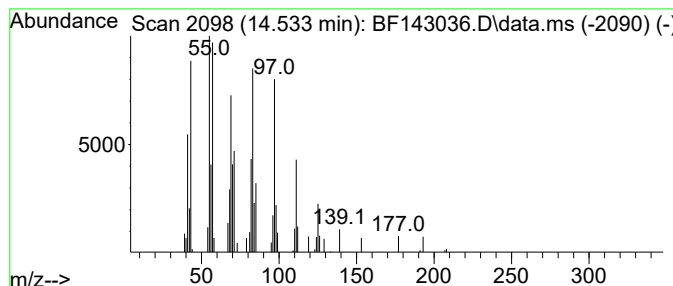
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 5 n-Tetracosanol-1 Concentration Rank 3

R.T.	EstConc	Area	Relative to ISTD	R.T.
14.533	5.51 ng	76570	Chrysene-d12	14.051

Hit#	of	5	Tentative ID	MW	MolForm	CAS#	Qual
1			n-Tetracosanol-1	354	C24H50O	000506-51-4	95
2			Behenic alcohol	326	C22H46O	000661-19-8	95
3			1-Heneicosanol	312	C21H44O	015594-90-8	95
4			Heptadecyl trifluoroacetate	352	C19H35F3O2	1010351-87-0	94
5			1-Hexacosene	364	C26H52	018835-33-1	93



Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF070825\
Data File : BF143036.D
Acq On : 08 Jul 2025 16:36
Operator : RC/JU
Sample : Q2514-03
Misc :
ALS Vial : 13 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
TP-94

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

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

TIC Top Hit name	RT	EstConc	Units	Response	--Internal Standard--			
					#	RT	Resp	Conc
2-Pentanone, 4-...	5.081	6.2	ng	91558	1	6.869	295067	20.0
Benzophenone	10.628	6.0	ng	119813	3	9.916	397212	20.0
1-Heneicosanol	13.892	4.8	ng	65995	5	14.051	277720	20.0
3,6,9,12-Tetrao...	13.910	5.5	ng	76066	5	14.051	277720	20.0
n-Tetracosanol-1	14.533	5.5	ng	76570	5	14.051	277720	20.0

Report of Analysis

Client:	CDM Smith	Date Collected:	07/02/25
Project:	South River WM Replacement	Date Received:	07/03/25
Client Sample ID:	TP-96	SDG No.:	Q2514
Lab Sample ID:	Q2514-04	Matrix:	SOIL
Analytical Method:	8270E	% Solid:	85.8
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
BF143046.D	1	07/07/25 09:00	07/08/25 21:42	PB168737

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	28.3	U	28.3	200	ug/Kg
95-57-8	2-Chlorophenol	28.4	U	28.4	200	ug/Kg
95-48-7	2-Methylphenol	34.8	U	34.8	200	ug/Kg
108-60-1	2,2-oxybis(1-Chloropropane)	43.6	U	43.6	200	ug/Kg
98-86-2	Acetophenone	34.3	U	34.3	200	ug/Kg
65794-96-9	3+4-Methylphenols	47.8	U	47.8	380	ug/Kg
621-64-7	n-Nitroso-di-n-propylamine	55.2	U	55.2	93.1	ug/Kg
67-72-1	Hexachloroethane	20.5	U	20.5	200	ug/Kg
98-95-3	Nitrobenzene	21.3	U	21.3	200	ug/Kg
78-59-1	Isophorone	38.2	U	38.2	200	ug/Kg
88-75-5	2-Nitrophenol	67.7	U	67.7	200	ug/Kg
105-67-9	2,4-Dimethylphenol	75.4	U	75.4	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	41.2	U	41.2	200	ug/Kg
87-68-3	Hexachlorobutadiene	29.4	U	29.4	200	ug/Kg
105-60-2	Caprolactam	60.6	U	60.6	380	ug/Kg
59-50-7	4-Chloro-3-methylphenol	33.4	U	33.4	200	ug/Kg
91-57-6	2-Methylnaphthalene	29.8	U	29.8	200	ug/Kg
77-47-4	Hexachlorocyclopentadiene	140	U	140	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	33.9	U	33.9	200	ug/Kg
92-52-4	1,1-Biphenyl	25.4	U	25.4	200	ug/Kg
91-58-7	2-Chloronaphthalene	26.2	U	26.2	200	ug/Kg
88-74-4	2-Nitroaniline	56.0	U	56.0	200	ug/Kg
131-11-3	Dimethylphthalate	31.5	U	31.5	200	ug/Kg

Report of Analysis

Client:	CDM Smith	Date Collected:	07/02/25
Project:	South River WM Replacement	Date Received:	07/03/25
Client Sample ID:	TP-96	SDG No.:	Q2514
Lab Sample ID:	Q2514-04	Matrix:	SOIL
Analytical Method:	8270E	% Solid:	85.8
Sample Wt/Vol:	30.04 Units: g	Final Vol:	1000 uL
Soil Aliquot Vol:	uL	Test:	SVOC-TCL BNA -20
Extraction Type :	Decanted : N	Level :	LOW
Injection Volume :	GPC Factor : 1.0	GPC Cleanup :	N PH :
Prep Method :	SW3541		

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
BF143046.D	1	07/07/25 09:00	07/08/25 21:42	PB168737

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	39.1	U	39.1	200	ug/Kg
99-09-2	3-Nitroaniline	53.5	U	53.5	200	ug/Kg
83-32-9	Acenaphthene	24.8	U	24.8	200	ug/Kg
51-28-5	2,4-Dinitrophenol	270	U	270	380	ug/Kg
100-02-7	4-Nitrophenol	120	U	120	380	ug/Kg
132-64-9	Dibenzofuran	26.4	U	26.4	200	ug/Kg
121-14-2	2,4-Dinitrotoluene	58.3	U	58.3	200	ug/Kg
84-66-2	Diethylphthalate	32.9	U	32.9	200	ug/Kg
7005-72-3	4-Chlorophenyl-phenylether	31.1	U	31.1	200	ug/Kg
86-73-7	Fluorene	29.4	U	29.4	200	ug/Kg
100-01-6	4-Nitroaniline	74.7	U	74.7	200	ug/Kg
534-52-1	4,6-Dinitro-2-methylphenol	120	U	120	380	ug/Kg
86-30-6	n-Nitrosodiphenylamine	38.3	U	38.3	200	ug/Kg
101-55-3	4-Bromophenyl-phenylether	32.4	U	32.4	200	ug/Kg
118-74-1	Hexachlorobenzene	29.4	U	29.4	200	ug/Kg
1912-24-9	Atrazine	39.6	U	39.6	200	ug/Kg
87-86-5	Pentachlorophenol	59.7	U	59.7	380	ug/Kg
85-01-8	Phenanthrene	79.2	J	24.3	200	ug/Kg
120-12-7	Anthracene	38.8	U	38.8	200	ug/Kg
86-74-8	Carbazole	36.3	U	36.3	200	ug/Kg
84-74-2	Di-n-butylphthalate	55.8	U	55.8	200	ug/Kg
206-44-0	Fluoranthene	420		34.9	200	ug/Kg
129-00-0	Pyrene	200		41.9	200	ug/Kg
85-68-7	Butylbenzylphthalate	83.1	U	83.1	200	ug/Kg
91-94-1	3,3-Dichlorobenzidine	42.7	U	42.7	380	ug/Kg
56-55-3	Benzo(a)anthracene	180	J	26.8	200	ug/Kg
218-01-9	Chrysene	200		23.2	200	ug/Kg
117-81-7	Bis(2-ethylhexyl)phthalate	68.9	U	68.9	200	ug/Kg
117-84-0	Di-n-octyl phthalate	100	U	100	380	ug/Kg
205-99-2	Benzo(b)fluoranthene	310		22.1	200	ug/Kg

Report of Analysis

Client:	CDM Smith	Date Collected:	07/02/25
Project:	South River WM Replacement	Date Received:	07/03/25
Client Sample ID:	TP-96	SDG No.:	Q2514
Lab Sample ID:	Q2514-04	Matrix:	SOIL
Analytical Method:	8270E	% Solid:	85.8
Sample Wt/Vol:	30.04 Units: g	Final Vol:	1000 uL
Soil Aliquot Vol:	uL	Test:	SVOC-TCL BNA -20
Extraction Type :	Decanted : N	Level :	LOW
Injection Volume :	GPC Factor : 1.0	GPC Cleanup :	N PH :
Prep Method :	SW3541		

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
BF143046.D	1	07/07/25 09:00	07/08/25 21:42	PB168737

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units(Dry Weight)
207-08-9	Benzo(k)fluoranthene	140	J	26.1	200	ug/Kg
50-32-8	Benzo(a)pyrene	210		34.3	200	ug/Kg
193-39-5	Indeno(1,2,3-cd)pyrene	79.3	J	33.9	200	ug/Kg
53-70-3	Dibenzo(a,h)anthracene	31.9	U	31.9	200	ug/Kg
191-24-2	Benzo(g,h,i)perylene	96.5	J	29.9	200	ug/Kg
95-94-3	1,2,4,5-Tetrachlorobenzene	29.8	U	29.8	200	ug/Kg
123-91-1	1,4-Dioxane	52.6	U	52.6	200	ug/Kg
58-90-2	2,3,4,6-Tetrachlorophenol	31.9	U	31.9	200	ug/Kg
SURROGATES						
367-12-4	2-Fluorophenol	62.3		18 - 112	42%	SPK: 150
13127-88-3	Phenol-d6	61.0		15 - 107	41%	SPK: 150
4165-60-0	Nitrobenzene-d5	40.3		18 - 107	40%	SPK: 100
321-60-8	2-Fluorobiphenyl	42.7		20 - 109	43%	SPK: 100
118-79-6	2,4,6-Tribromophenol	55.0		10 - 116	37%	SPK: 150
1718-51-0	Terphenyl-d14	26.4		10 - 105	26%	SPK: 100
INTERNAL STANDARDS						
3855-82-1	1,4-Dichlorobenzene-d4	51500	6.869			
1146-65-2	Naphthalene-d8	179000	8.157			
15067-26-2	Acenaphthene-d10	77200	9.916			
1517-22-2	Phenanthrene-d10	120000	11.404			
1719-03-5	Chrysene-d12	136000	14.051			
1520-96-3	Perylene-d12	113000	15.545			
TENTATIVE IDENTIFIED COMPOUNDS						
000123-42-2	2-Pentanone, 4-hydroxy-4-methyl-	170	AB		5.08	ug/Kg
000119-61-9	Benzophenone	170	J		10.6	ug/Kg
	unknown13.904	140	J		13.9	ug/Kg
000192-97-2	Benzo[e]pyrene	160	J		15.4	ug/Kg

Report of Analysis

Client:	CDM Smith	Date Collected:	07/02/25
Project:	South River WM Replacement	Date Received:	07/03/25
Client Sample ID:	TP-96	SDG No.:	Q2514
Lab Sample ID:	Q2514-04	Matrix:	SOIL
Analytical Method:	8270E	% Solid:	85.8
Sample Wt/Vol:	30.04	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
BF143046.D	1	07/07/25 09:00	07/08/25 21:42	PB168737

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\BF070825\
 Data File : BF143046.D
 Acq On : 08 Jul 2025 21:42
 Operator : RC/JU
 Sample : Q2514-04
 Misc :
 ALS Vial : 23 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 TP-96

Quant Time: Jul 09 01:42:40 2025
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF061925.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Tue Jun 24 05:28:21 2025
 Response via : Initial Calibration

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

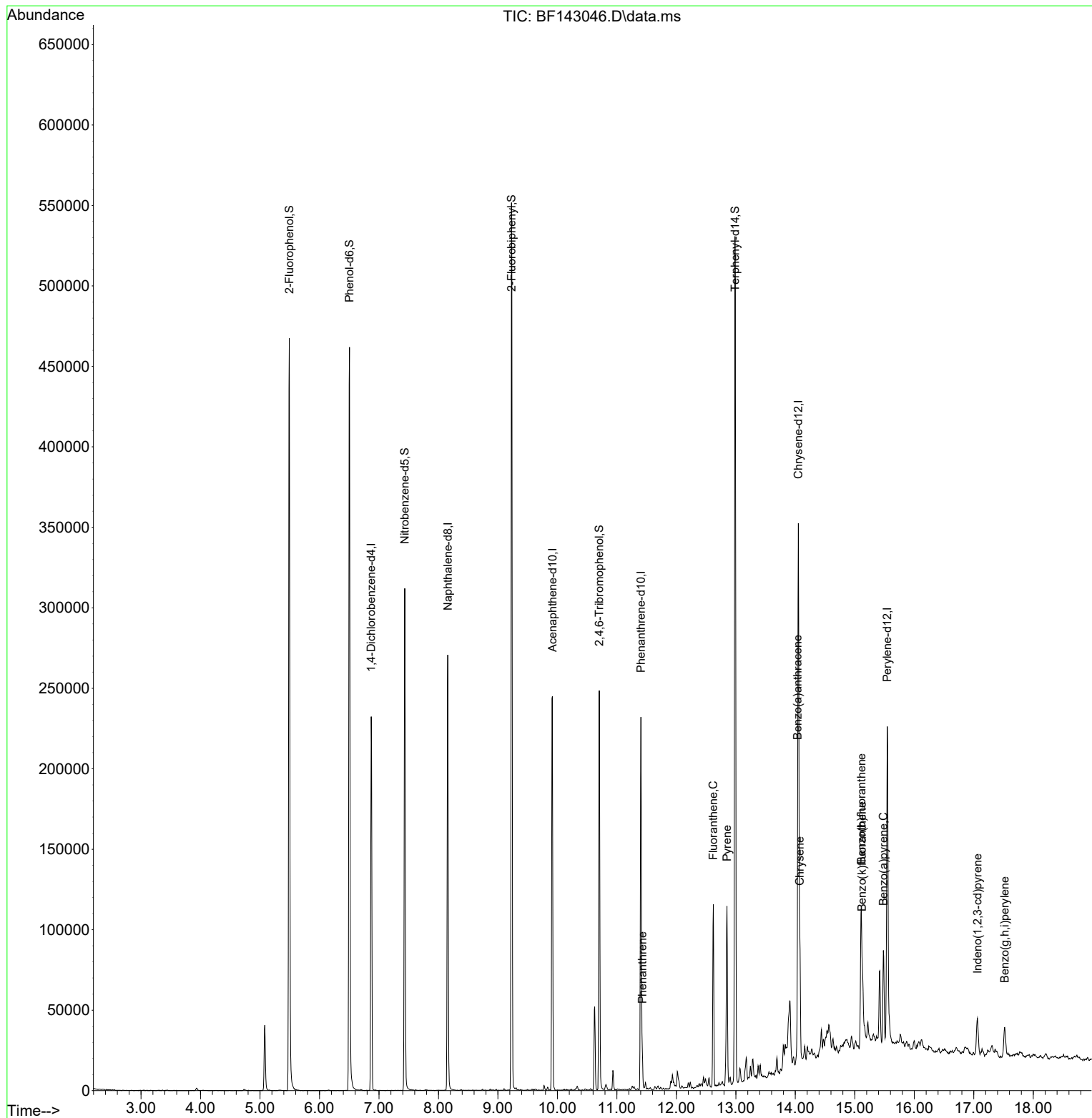
Internal Standards						
1) 1,4-Dichlorobenzene-d4	6.869	152	51513	20.000	ng	-0.01
21) Naphthalene-d8	8.157	136	178914	20.000	ng	-0.01
39) Acenaphthene-d10	9.916	164	77176	20.000	ng	0.00
64) Phenanthrene-d10	11.404	188	119858	20.000	ng	0.00
76) Chrysene-d12	14.051	240	136149	20.000	ng	0.00
86) Perylene-d12	15.545	264	112713	20.000	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.493	112	192791	62.311	ng	0.00
7) Phenol-d6	6.504	99	222670	61.000	ng	0.00
23) Nitrobenzene-d5	7.434	82	131484	40.310	ng	-0.01
42) 2,4,6-Tribromophenol	10.704	330	43670	54.987	ng	-0.01
45) 2-Fluorobiphenyl	9.228	172	251010	42.726	ng	-0.02
79) Terphenyl-d14	12.986	244	259977	26.384	ng	-0.01
Target Compounds						Qvalue
71) Phenanthrene	11.427	178	13260	2.042	ng	98
75) Fluoranthene	12.621	202	66995	10.872	ng	98
78) Pyrene	12.851	202	66132	5.182	ng	98
81) Benzo(a)anthracene	14.039	228	41851	4.557	ng	98
83) Chrysene	14.074	228	42152	5.143	ng	98
87) Indeno(1,2,3-cd)pyrene	17.062	276	17557	2.045	ng	95
88) Benzo(b)fluoranthene	15.110	252	52937m	8.117	ng	
89) Benzo(k)fluoranthene	15.121	252	21653m	3.549	ng	
90) Benzo(a)pyrene	15.480	252	34425	5.464	ng	98
92) Benzo(g,h,i)perylene	17.521	276	17304	2.488	ng	99

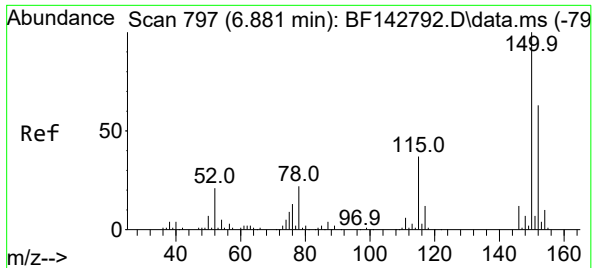
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF070825\
Data File : BF143046.D
Acq On : 08 Jul 2025 21:42
Operator : RC/JU
Sample : Q2514-04
Misc :
ALS Vial : 23 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
TP-96

Quant Time: Jul 09 01:42:40 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF061925.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Tue Jun 24 05:28:21 2025
Response via : Initial Calibration

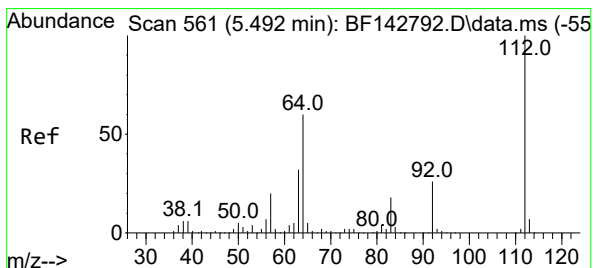
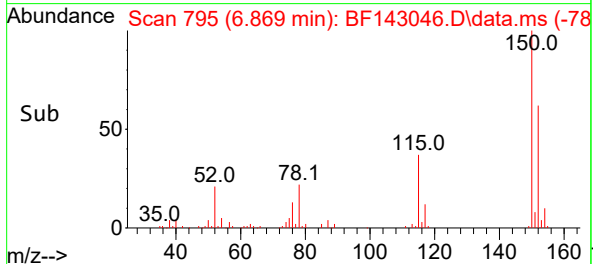
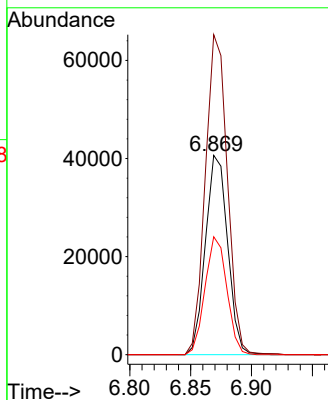
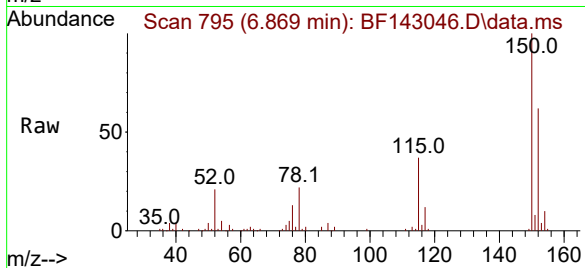




#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.869 min Scan# 797
Delta R.T. -0.012 min
Lab File: BF143046.D
Acq: 08 Jul 2025 21:42

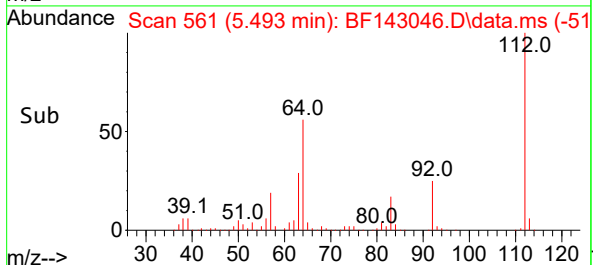
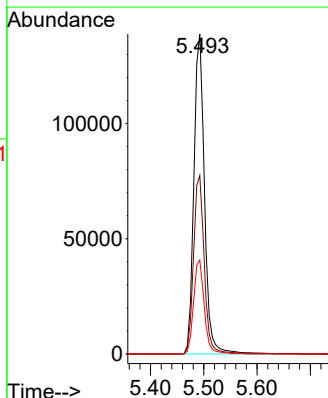
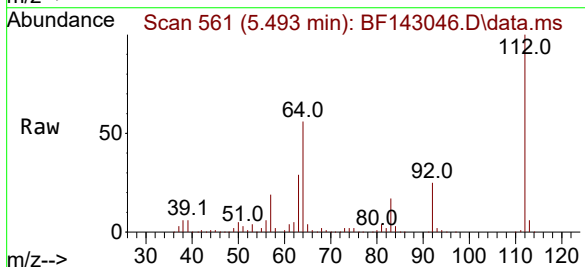
Instrument :
BNA_F
ClientSampleId :
TP-96

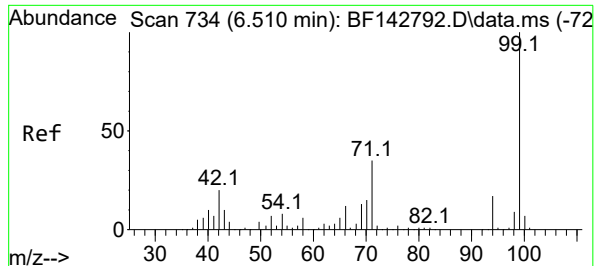
Tgt Ion:152 Resp: 51513
Ion Ratio Lower Upper
152 100
150 160.5 127.2 190.8
115 59.1 46.6 69.8



#5
2-Fluorophenol
Concen: 62.311 ng
RT: 5.493 min Scan# 561
Delta R.T. 0.001 min
Lab File: BF143046.D
Acq: 08 Jul 2025 21:42

Tgt Ion:112 Resp: 192791
Ion Ratio Lower Upper
112 100
64 55.7 48.2 72.2
63 29.3 25.7 38.5

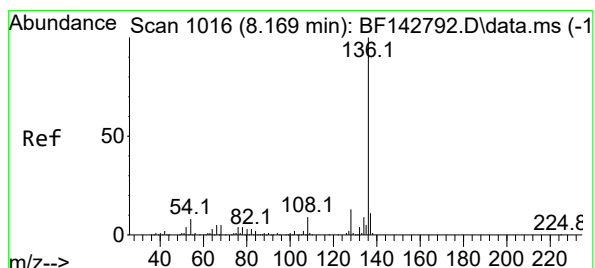
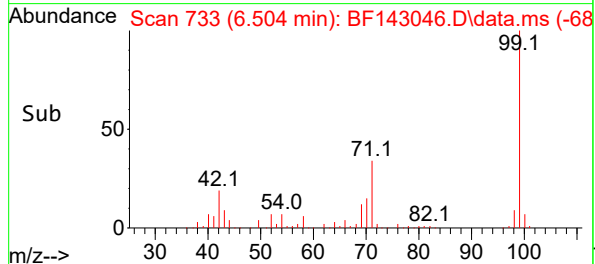
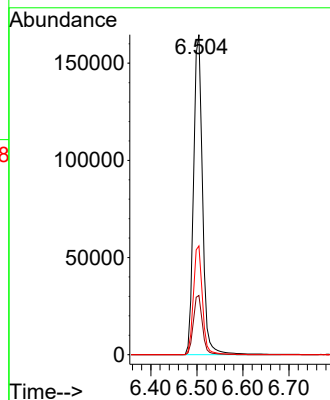
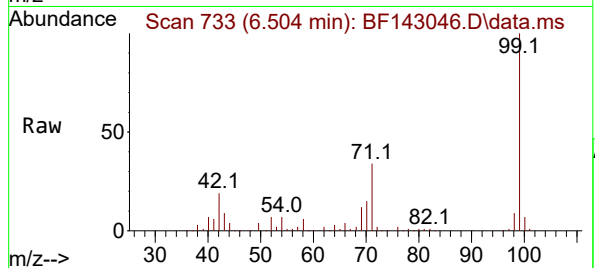




#7
Phenol-d6
Concen: 61.000 ng
RT: 6.504 min Scan# 71
Delta R.T. -0.006 min
Lab File: BF143046.D
Acq: 08 Jul 2025 21:42

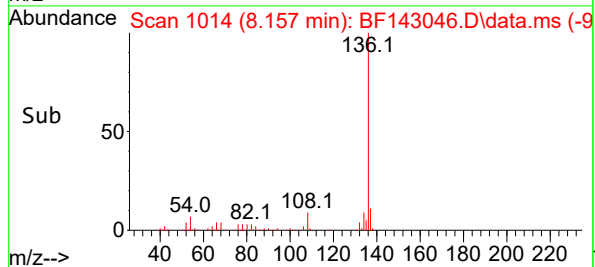
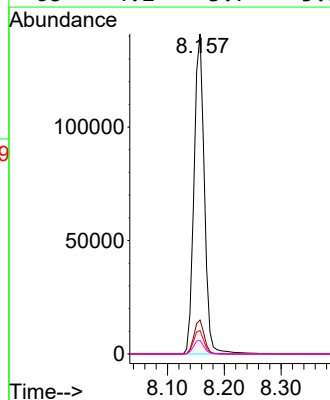
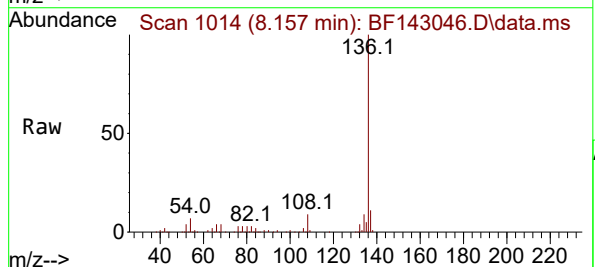
Instrument :
BNA_F
ClientSampleId :
TP-96

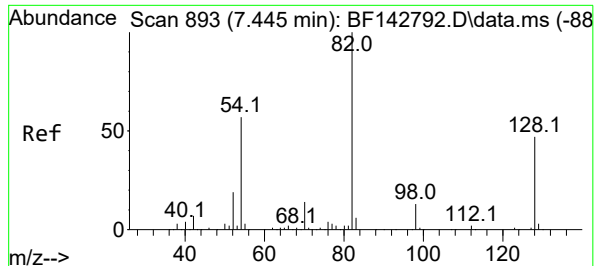
Tgt Ion: 99 Resp: 222670
Ion Ratio Lower Upper
99 100
42 18.5 15.9 23.9
71 34.0 27.8 41.8



#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.157 min Scan# 1014
Delta R.T. -0.012 min
Lab File: BF143046.D
Acq: 08 Jul 2025 21:42

Tgt Ion: 136 Resp: 178914
Ion Ratio Lower Upper
136 100
137 10.6 8.4 12.6
54 7.3 6.3 9.5
68 4.2 3.7 5.5





#23

Nitrobenzene-d5

Concen: 40.310 ng

RT: 7.434 min Scan# 89

Delta R.T. -0.011 min

Lab File: BF143046.D

Acq: 08 Jul 2025 21:42

Instrument :

BNA_F

ClientSampleId :

TP-96

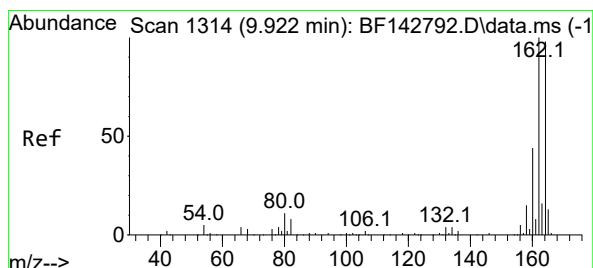
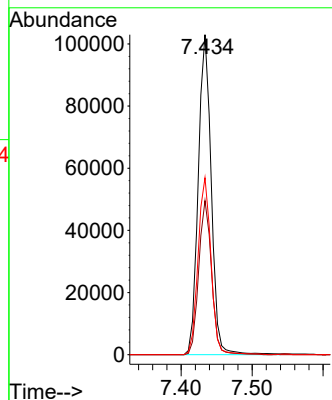
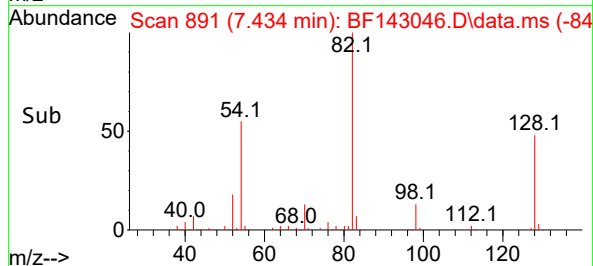
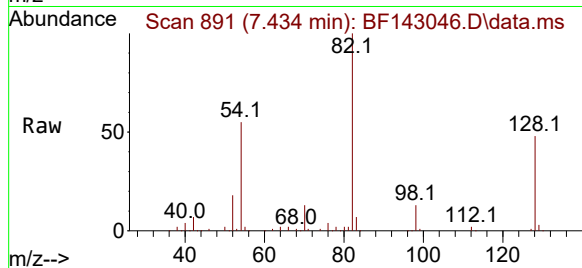
Tgt Ion: 82 Resp: 131484

Ion Ratio Lower Upper

82 100

128 48.2 37.7 56.5

54 55.3 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: BF143046.D

Acq: 08 Jul 2025 21:42

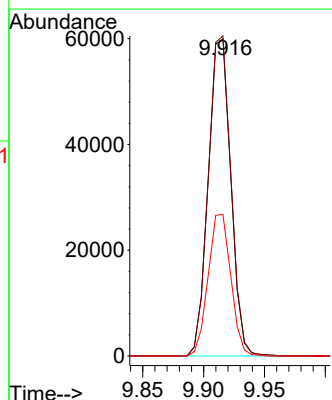
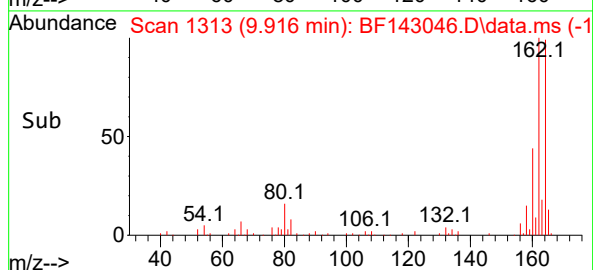
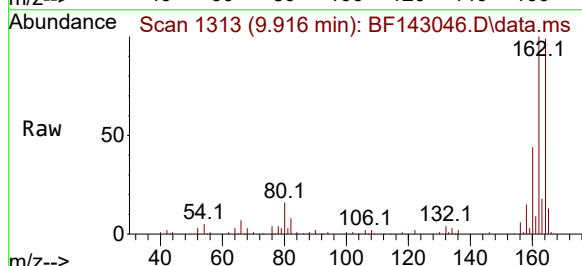
Tgt Ion:164 Resp: 77176

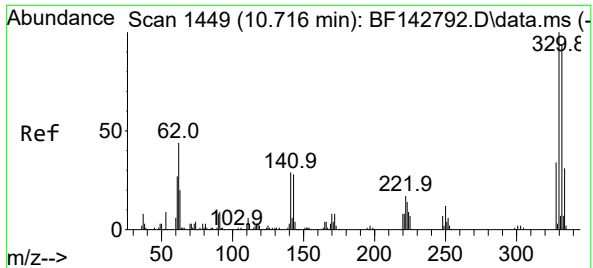
Ion Ratio Lower Upper

164 100

162 100.9 81.8 122.8

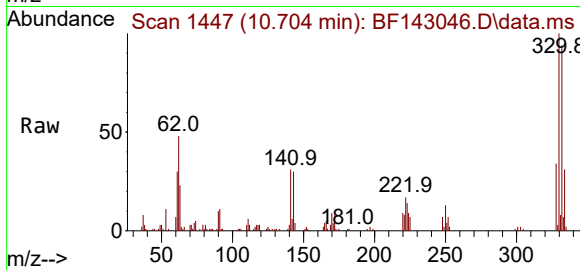
160 44.6 36.0 54.0



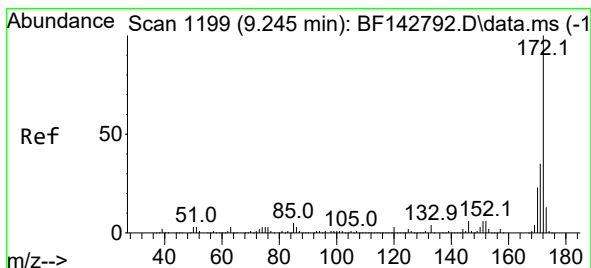
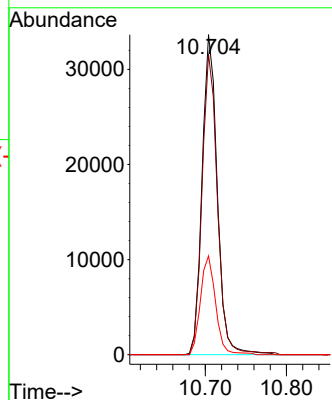
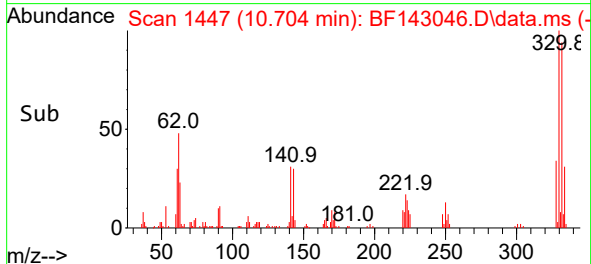


#42
2,4,6-Tribromophenol
Concen: 54.987 ng
RT: 10.704 min Scan# 1447
Delta R.T. -0.012 min
Lab File: BF143046.D
Acq: 08 Jul 2025 21:42

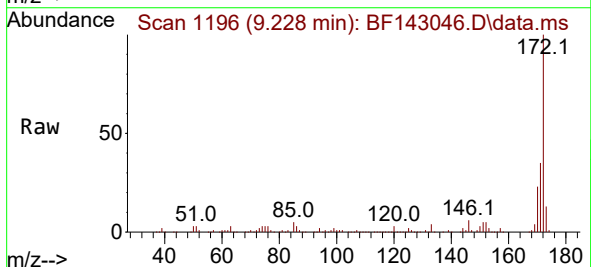
Instrument :
BNA_F
ClientSampleId :
TP-96



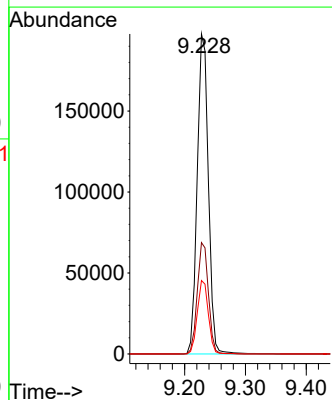
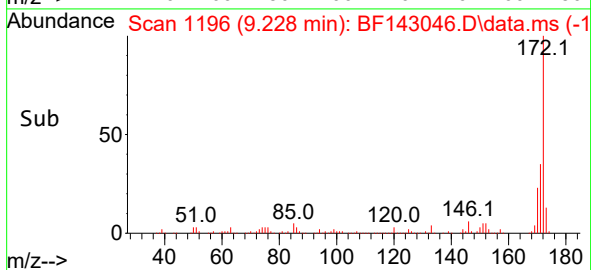
Tgt Ion: 330 Resp: 43670
Ion Ratio Lower Upper
330 100
332 94.9 75.0 112.6
141 30.9 25.3 37.9

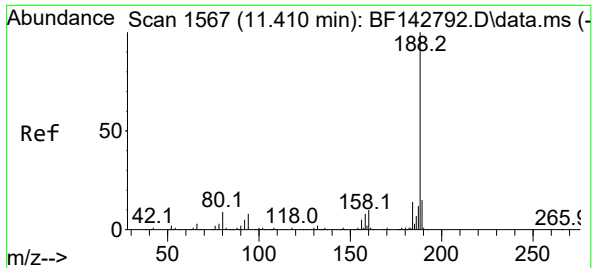


#45
2-Fluorobiphenyl
Concen: 42.726 ng
RT: 9.228 min Scan# 1196
Delta R.T. -0.017 min
Lab File: BF143046.D
Acq: 08 Jul 2025 21:42



Tgt Ion: 172 Resp: 251010
Ion Ratio Lower Upper
172 100
171 34.8 28.2 42.4
170 23.0 18.5 27.7

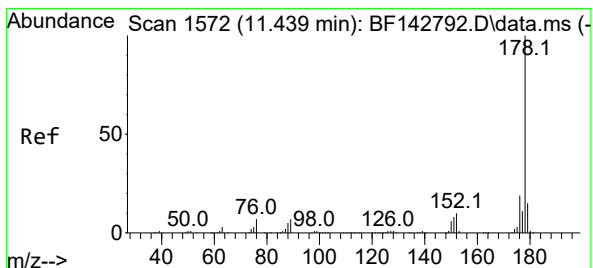
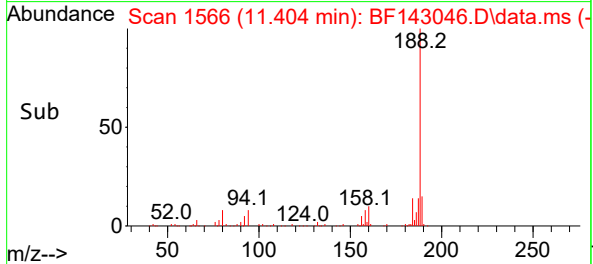
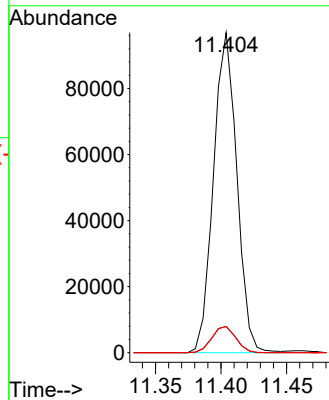
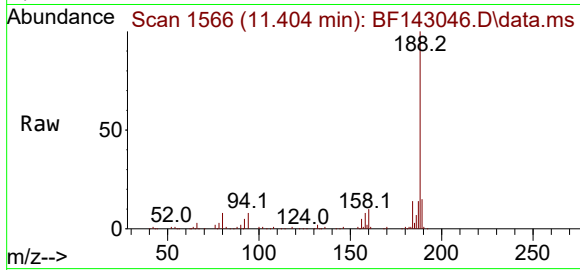




#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.404 min Scan# 119858
Delta R.T. -0.006 min
Lab File: BF143046.D
Acq: 08 Jul 2025 21:42

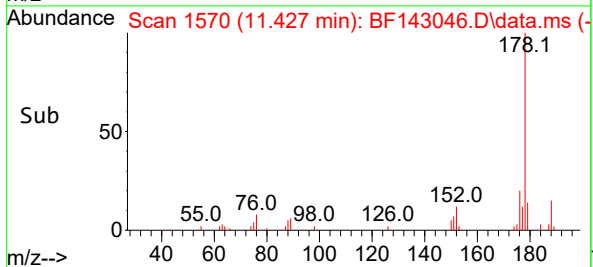
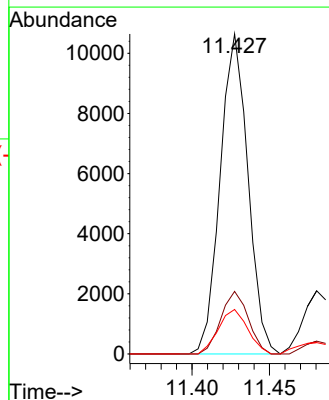
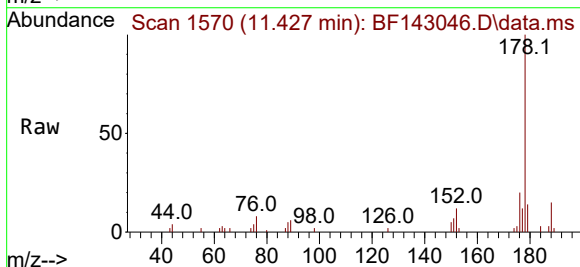
Instrument :
BNA_F
ClientSampleId :
TP-96

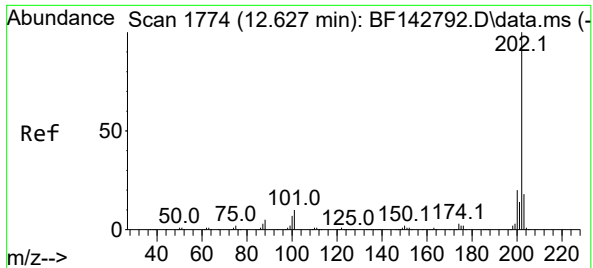
Tgt Ion:188 Resp: 119858
Ion Ratio Lower Upper
188 100
94 8.2 6.7 10.1
80 8.2 6.9 10.3



#71
Phenanthrene
Concen: 2.042 ng
RT: 11.427 min Scan# 1570
Delta R.T. -0.012 min
Lab File: BF143046.D
Acq: 08 Jul 2025 21:42

Tgt Ion:178 Resp: 13260
Ion Ratio Lower Upper
178 100
176 19.6 15.1 22.7
179 13.9 12.0 18.0

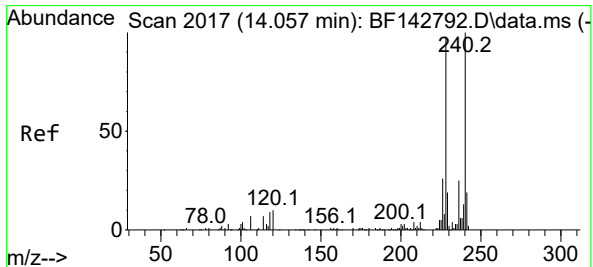
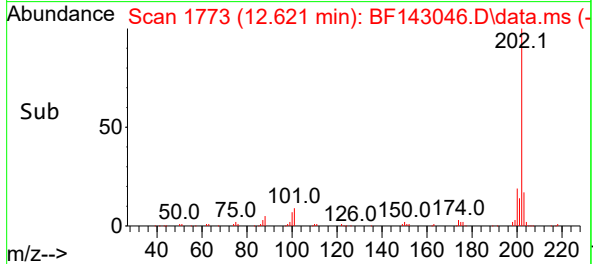
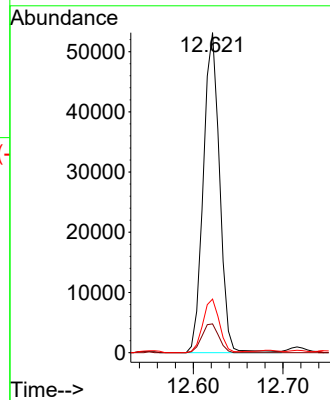
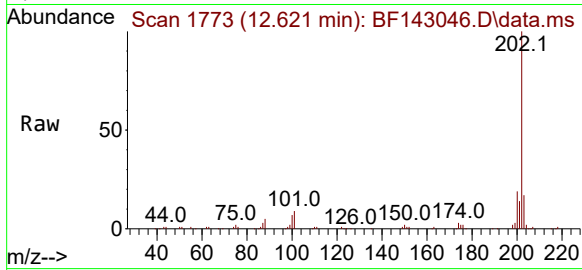




#75
Fluoranthene
Concen: 10.872 ng
RT: 12.621 min Scan# 11
Delta R.T. -0.006 min
Lab File: BF143046.D
Acq: 08 Jul 2025 21:42

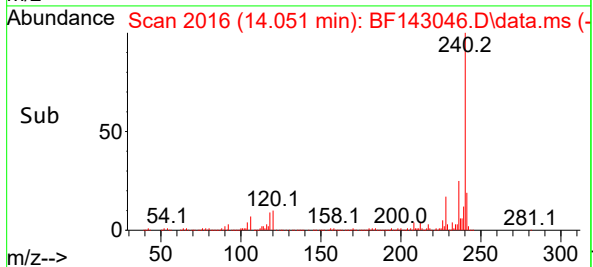
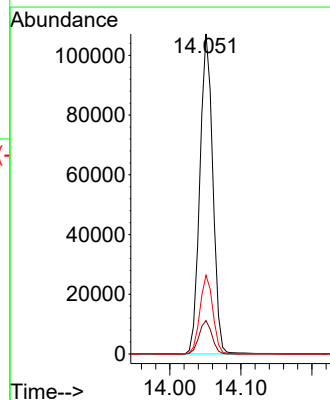
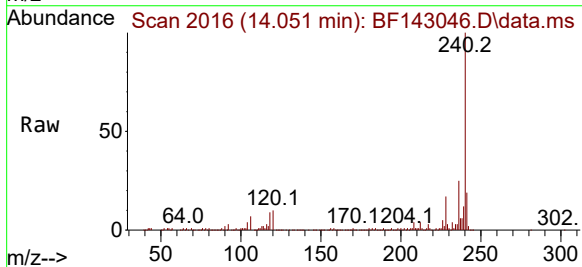
Instrument :
BNA_F
ClientSampleId :
TP-96

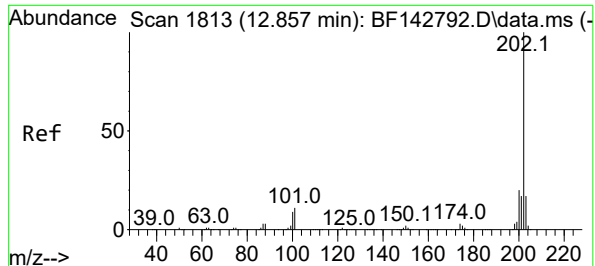
Tgt Ion	Ratio	Lower	Upper
202	100		
101	9.0	0.0	29.7
203	16.7	0.0	37.5



#76
Chrysene-d12
Concen: 20.000 ng
RT: 14.051 min Scan# 2016
Delta R.T. -0.006 min
Lab File: BF143046.D
Acq: 08 Jul 2025 21:42

Tgt Ion	Ratio	Lower	Upper
240	100		
120	10.5	8.2	12.2
236	24.6	19.8	29.8

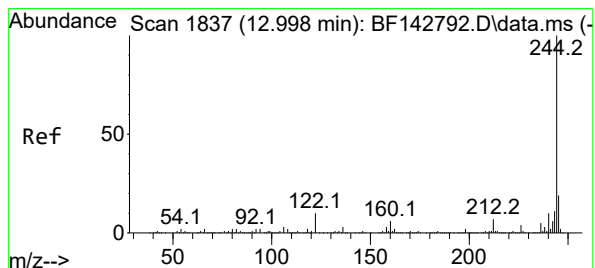
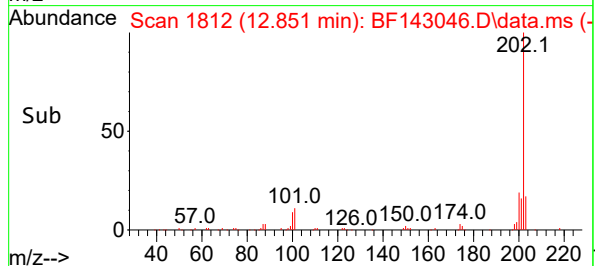
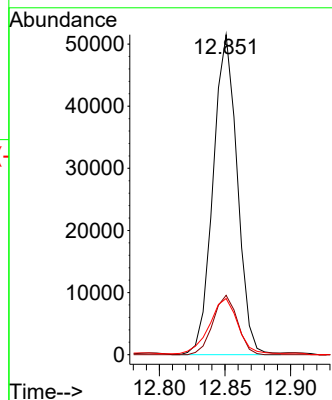
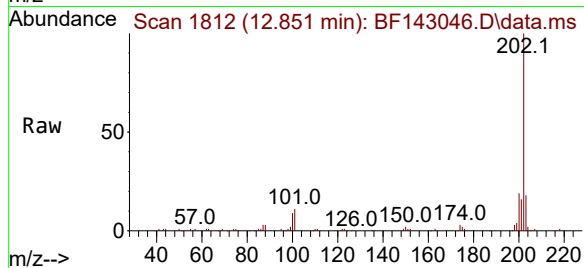




#78
Pyrene
Concen: 5.182 ng
RT: 12.851 min Scan# 1812
Delta R.T. -0.006 min
Lab File: BF143046.D
Acq: 08 Jul 2025 21:42

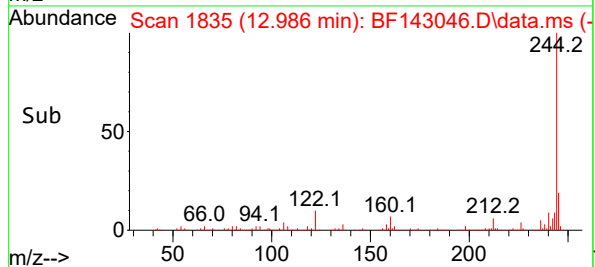
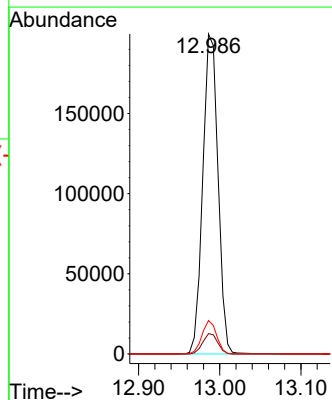
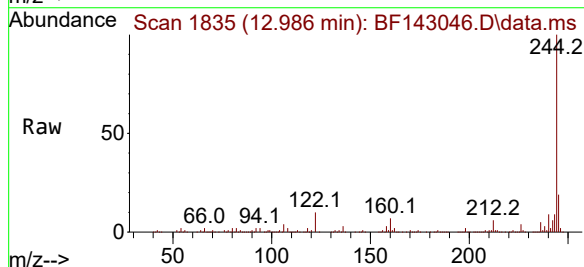
Instrument :
BNA_F
ClientSampleId :
TP-96

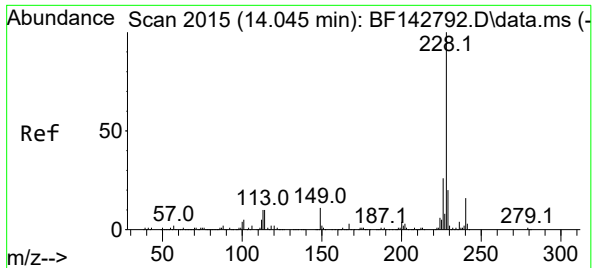
Tgt Ion	Ratio	Lower	Upper
202	100		
200	18.6	15.7	23.5
203	17.6	13.8	20.6



#79
Terphenyl-d14
Concen: 26.384 ng
RT: 12.986 min Scan# 1835
Delta R.T. -0.012 min
Lab File: BF143046.D
Acq: 08 Jul 2025 21:42

Tgt Ion	Ratio	Lower	Upper
244	100		
212	6.4	5.4	8.0
122	10.5	8.2	12.2

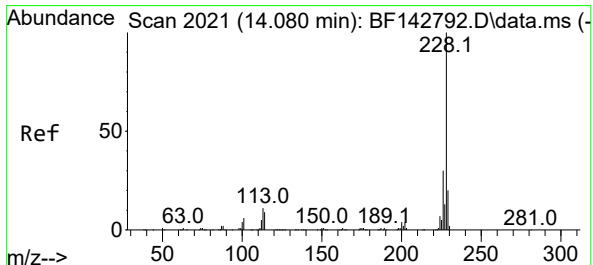
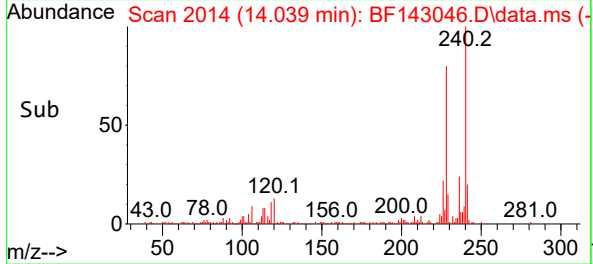
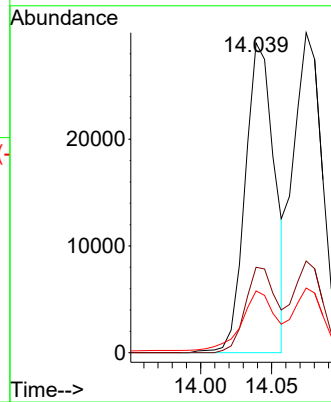
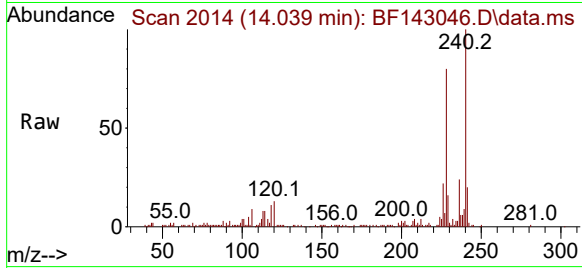




#81
Benzo(a)anthracene
Concen: 4.557 ng
RT: 14.039 min Scan# 2015
Delta R.T. -0.006 min
Lab File: BF143046.D
Acq: 08 Jul 2025 21:42

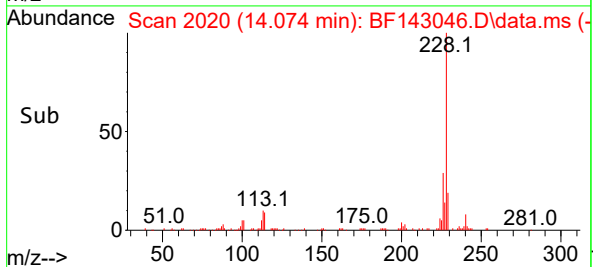
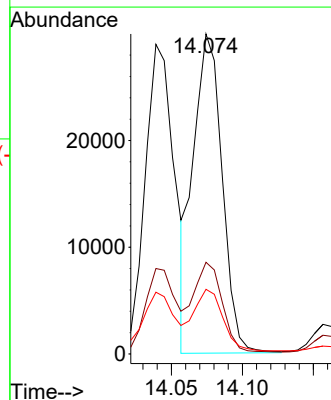
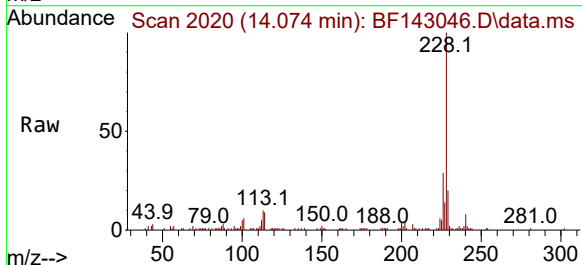
Instrument :
BNA_F
ClientSampleId :
TP-96

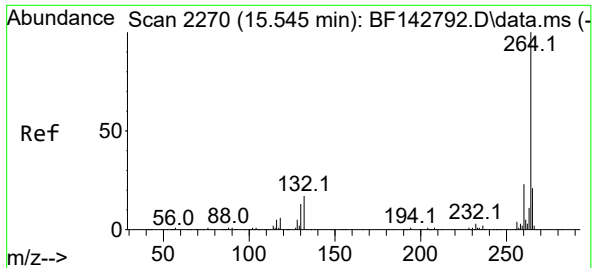
Tgt Ion:228 Resp: 41851
Ion Ratio Lower Upper
228 100
226 27.6 21.2 31.8
229 19.9 15.6 23.4



#83
Chrysene
Concen: 5.143 ng
RT: 14.074 min Scan# 2020
Delta R.T. -0.006 min
Lab File: BF143046.D
Acq: 08 Jul 2025 21:42

Tgt Ion:228 Resp: 42152
Ion Ratio Lower Upper
228 100
226 28.6 23.7 35.5
229 20.2 15.7 23.5

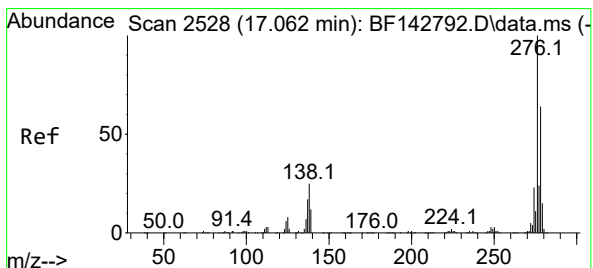
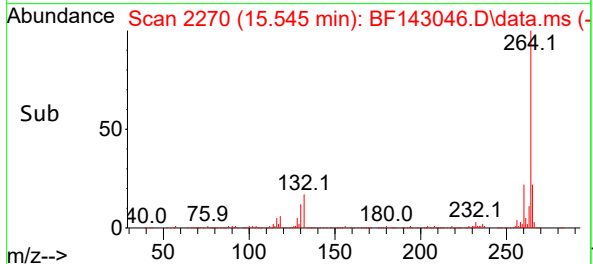
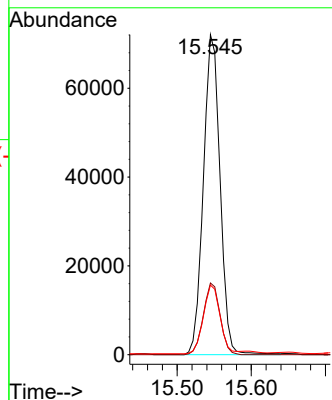
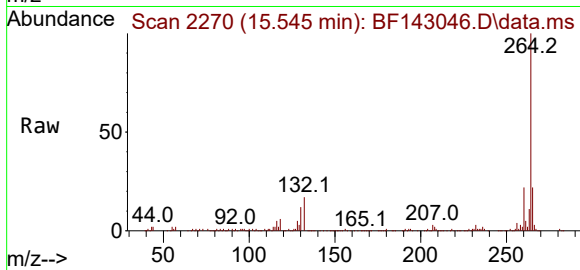




#86
Perylene-d12
Concen: 20.000 ng
RT: 15.545 min Scan# 2112
Delta R.T. 0.000 min
Lab File: BF143046.D
Acq: 08 Jul 2025 21:42

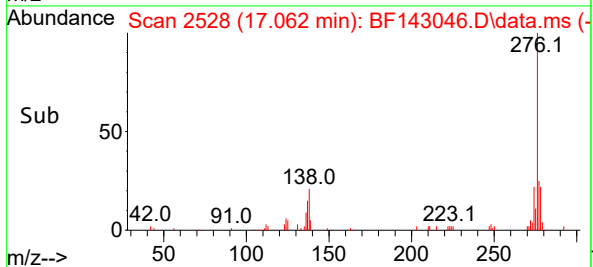
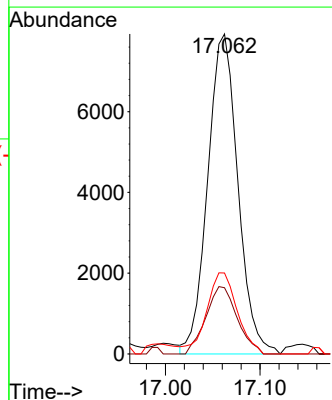
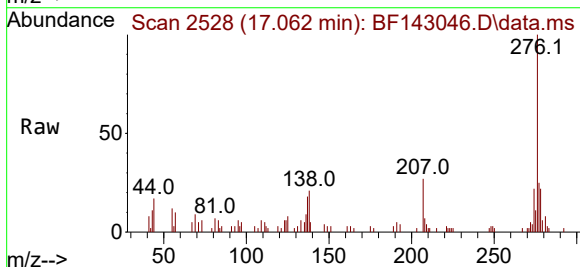
Instrument :
BNA_F
ClientSampleId :
TP-96

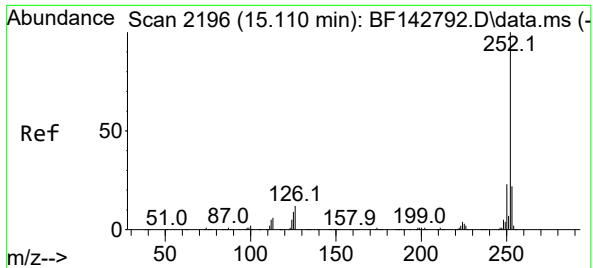
Tgt Ion:264 Resp: 112713
Ion Ratio Lower Upper
264 100
260 22.4 18.1 27.1
265 21.8 16.6 25.0



#87
Indeno(1,2,3-cd)pyrene
Concen: 2.045 ng
RT: 17.062 min Scan# 2528
Delta R.T. 0.000 min
Lab File: BF143046.D
Acq: 08 Jul 2025 21:42

Tgt Ion:276 Resp: 17557
Ion Ratio Lower Upper
276 100
138 21.8 20.2 30.4
277 25.8 19.8 29.6





#88

Benzo(b)fluoranthene

Concen: 8.117 ng m

RT: 15.110 min Scan# 2196

Delta R.T. 0.000 min

Lab File: BF143046.D

Acq: 08 Jul 2025 21:42

Instrument :

BNA_F

ClientSampleId :

TP-96

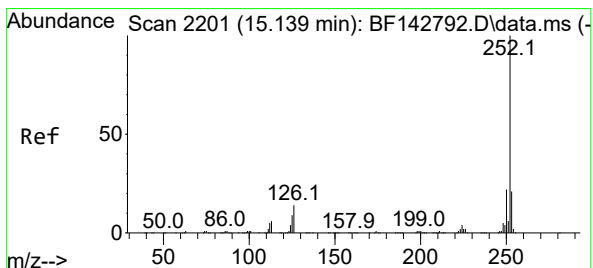
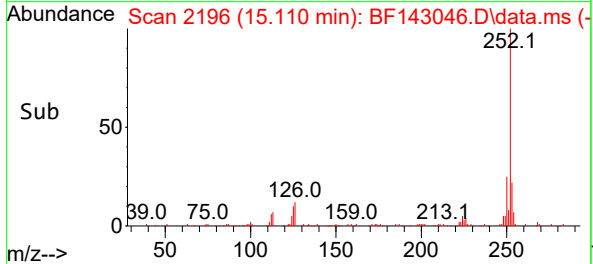
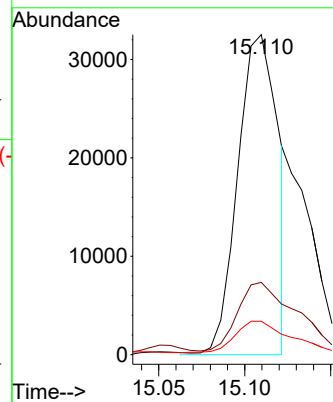
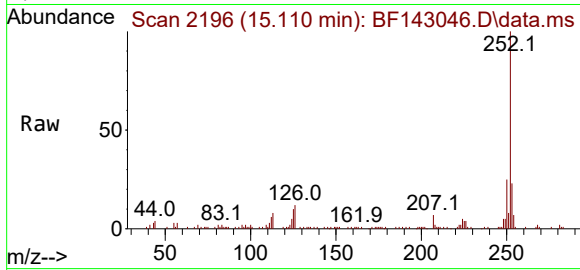
Tgt Ion:252 Resp: 52937

Ion Ratio Lower Upper

252 100

253 22.6 17.5 26.3

125 10.5 7.4 11.0



#89

Benzo(k)fluoranthene

Concen: 3.549 ng m

RT: 15.121 min Scan# 2198

Delta R.T. -0.018 min

Lab File: BF143046.D

Acq: 08 Jul 2025 21:42

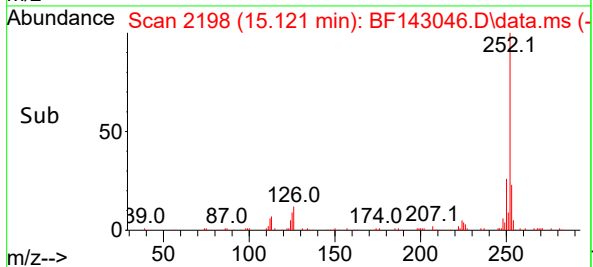
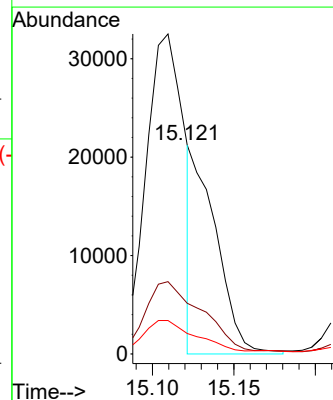
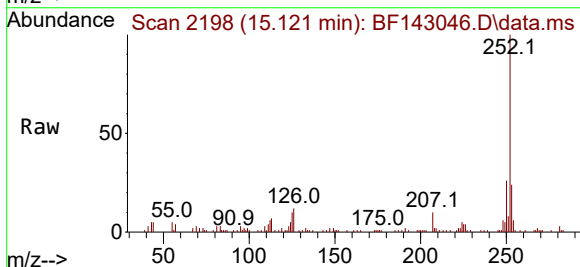
Tgt Ion:252 Resp: 21653

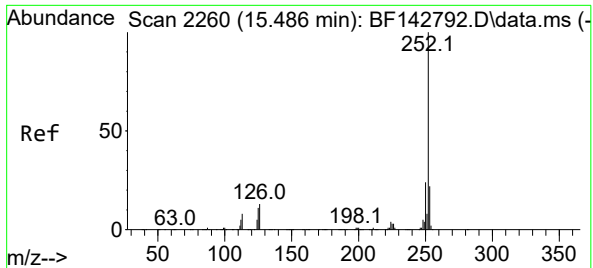
Ion Ratio Lower Upper

252 100

253 24.3 17.2 25.8

125 9.8 7.4 11.2





#90

Benzo(a)pyrene

Concen: 5.464 ng

RT: 15.480 min Scan# 21

Delta R.T. -0.006 min

Lab File: BF143046.D

Acq: 08 Jul 2025 21:42

Instrument :

BNA_F

ClientSampleId :

TP-96

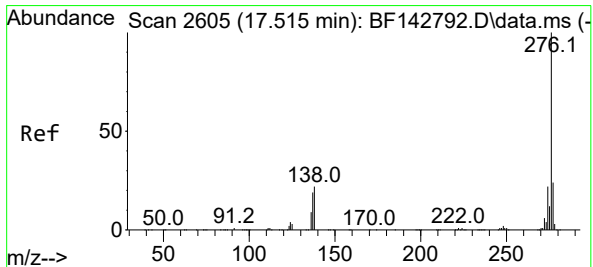
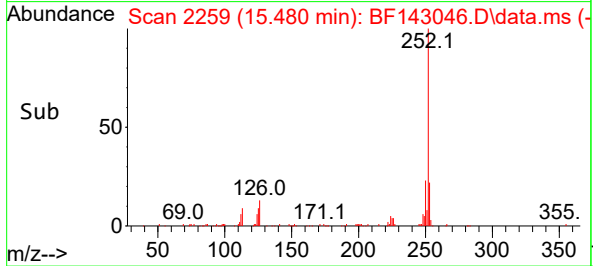
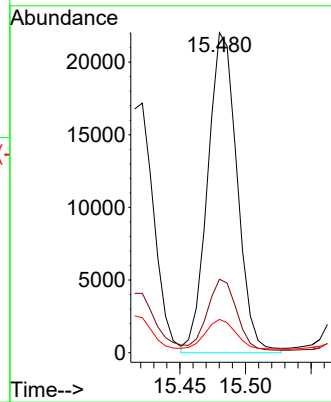
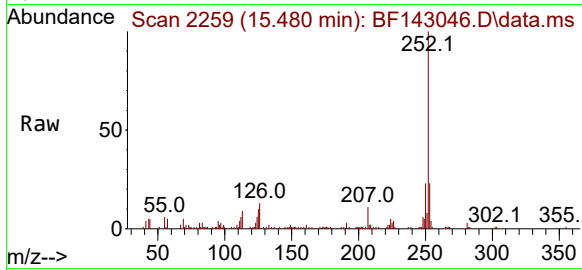
Tgt Ion:252 Resp: 34425

Ion Ratio Lower Upper

252 100

253 22.9 17.5 26.3

125 10.4 8.6 12.8



#92

Benzo(g,h,i)perylene

Concen: 2.488 ng

RT: 17.521 min Scan# 2606

Delta R.T. 0.006 min

Lab File: BF143046.D

Acq: 08 Jul 2025 21:42

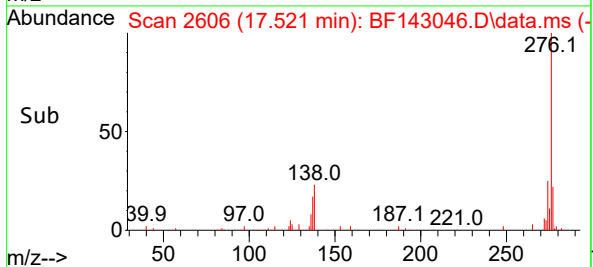
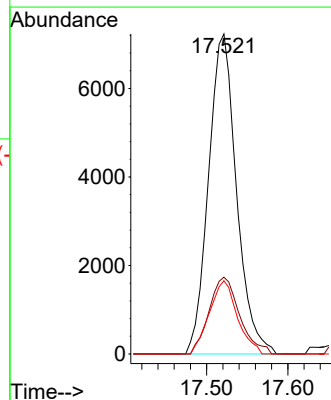
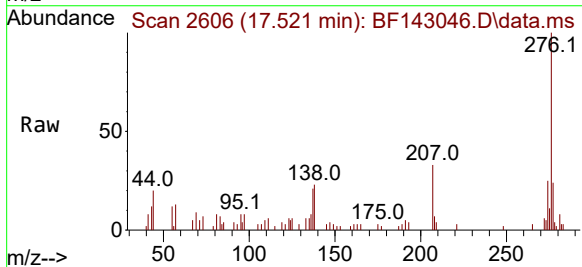
Tgt Ion:276 Resp: 17304

Ion Ratio Lower Upper

276 100

277 24.0 18.8 28.2

138 22.9 17.6 26.4



Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF070825\
 Data File : BF143046.D
 Acq On : 08 Jul 2025 21:42
 Operator : RC/JU
 Sample : Q2514-04
 Misc :
 ALS Vial : 23 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 TP-96

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: BF143046.D\data.ms

peak #	R.T. min	first scan	max scan	last scan	PK TY	peak height	corr. area	corr. % max.	% of total
1	5.081	484	491	502	rBV	40723	62836	9.14%	0.925%
2	5.493	555	561	576	rBV	467491	647856	94.27%	9.537%
3	6.504	727	733	752	rBV	461798	624749	90.91%	9.197%
4	6.869	791	795	801	rBV	232287	287055	41.77%	4.226%
5	7.434	886	891	907	rBV	311842	393363	57.24%	5.790%
6	8.157	1009	1014	1037	rVB	270566	340291	49.52%	5.009%
7	9.228	1191	1196	1206	rBV	551499	687229	100.00%	10.116%
8	9.916	1308	1313	1322	rVB	244588	315413	45.90%	4.643%
9	10.628	1428	1434	1440	rBV	51862	67560	9.83%	0.995%
10	10.704	1442	1447	1458	rVV	248247	313985	45.69%	4.622%
11	10.933	1482	1486	1491	rBV	12060	14425	2.10%	0.212%
12	11.404	1561	1566	1575	rBV	231730	314729	45.80%	4.633%
13	11.933	1653	1656	1663	rVV3	8521	16196	2.36%	0.238%
14	12.016	1666	1670	1679	rVB2	10476	20866	3.04%	0.307%
15	12.486	1747	1750	1757	rVV3	4488	6902	1.00%	0.102%
16	12.551	1757	1761	1765	rVB3	5621	7634	1.11%	0.112%
17	12.621	1768	1773	1778	rBV	113063	139278	20.27%	2.050%
18	12.851	1805	1812	1817	rBV	111611	162722	23.68%	2.395%
19	12.986	1830	1835	1843	rVV	526137	684802	99.65%	10.081%
20	13.069	1844	1849	1855	rVV3	8897	15127	2.20%	0.223%
21	13.174	1860	1867	1871	rBV2	14488	27910	4.06%	0.411%
22	13.245	1875	1879	1882	rVV	7782	9598	1.40%	0.141%
23	13.286	1882	1886	1893	rVB2	11365	17478	2.54%	0.257%
24	13.374	1897	1901	1904	rBV	7844	9966	1.45%	0.147%
25	13.410	1904	1907	1910	rVB2	6421	7175	1.04%	0.106%
26	13.692	1948	1955	1962	rBV	10842	18921	2.75%	0.279%
27	13.798	1969	1973	1976	rBV2	15042	22932	3.34%	0.338%
28	13.827	1976	1978	1980	rVV	14173	17625	2.56%	0.259%
29	13.904	1984	1991	1998	rVB5	38961	107807	15.69%	1.587%
30	14.051	2008	2016	2028	rBV2	335174	588247	85.60%	8.659%
31	14.157	2032	2034	2038	rVB	8176	8897	1.29%	0.131%
32	14.204	2039	2042	2044	rBV2	6907	8834	1.29%	0.130%
33	14.439	2079	2082	2085	rVB	10961	11701	1.70%	0.172%
34	15.110	2190	2196	2210	rBV	87214	232006	33.76%	3.415%
35	15.421	2244	2249	2254	rVB	44546	71180	10.36%	1.048%
36	15.480	2254	2259	2264	rVV	57164	88197	12.83%	1.298%

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF070825\
Data File : BF143046.D
Acq On : 08 Jul 2025 21:42
Operator : RC/JU
Sample : Q2514-04
Misc :
ALS Vial : 23 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
TP-96

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	196335	335979	48.89%	4.946%
38	17.062	2522	2528	2535	rVB2	22557	48498	7.06%	0.714%
39	17.521	2600	2606	2614	rBV	16959	37282	5.42%	0.549%

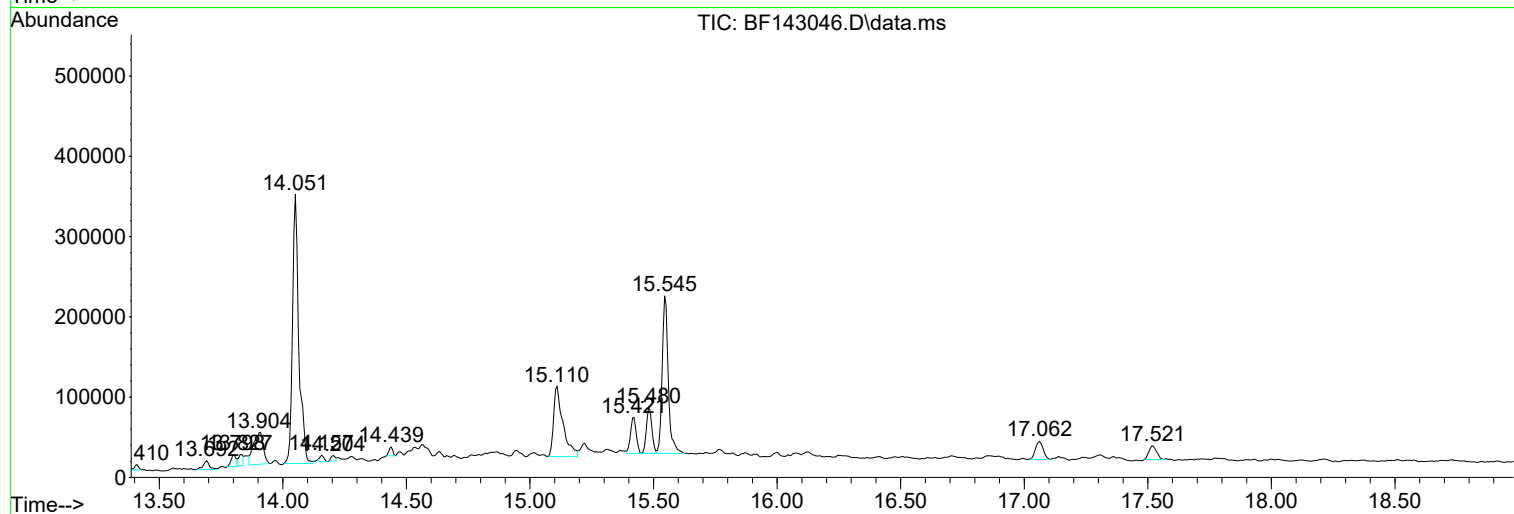
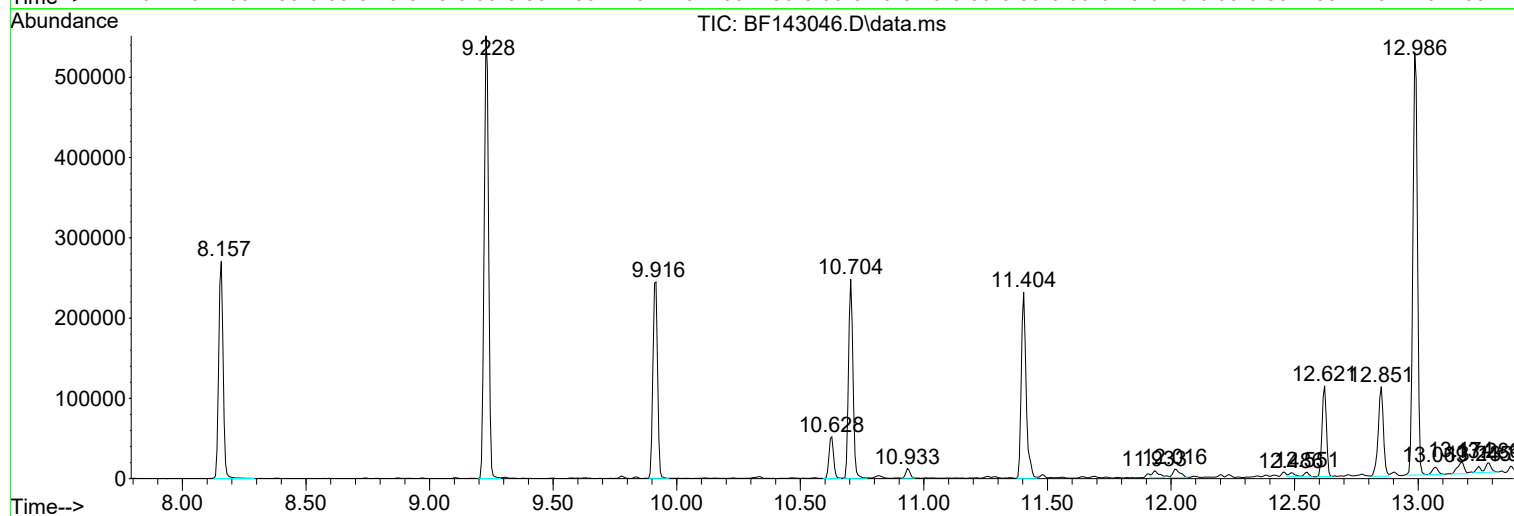
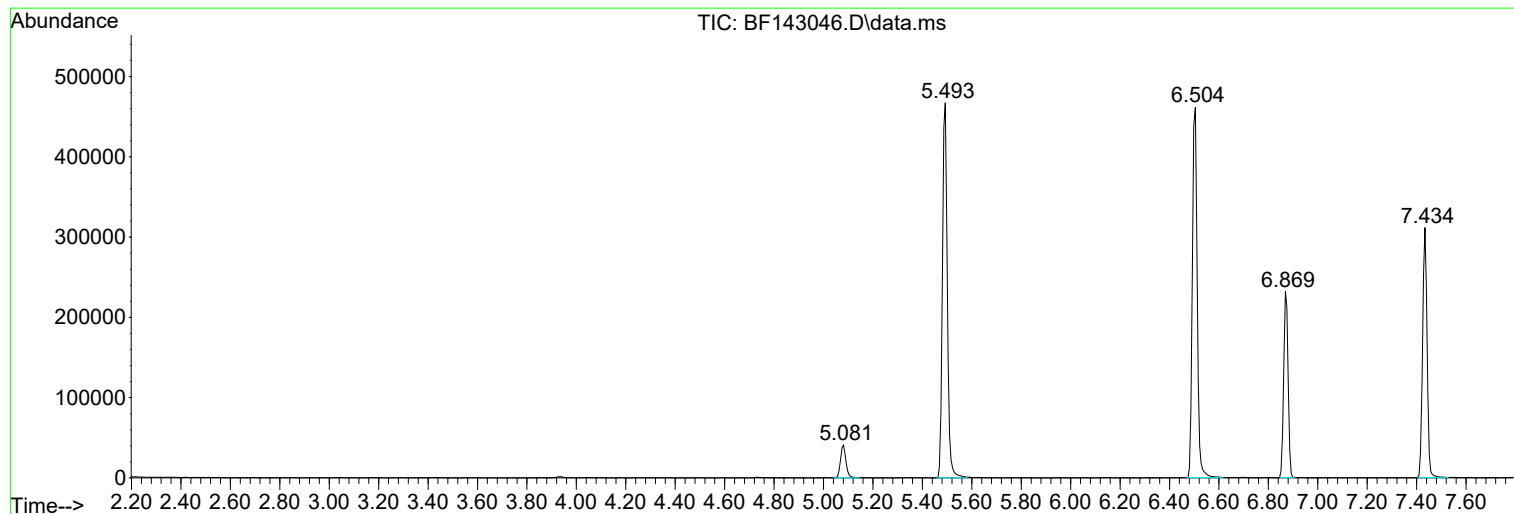
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Data File : BF143046.D
Acq On : 08 Jul 2025 21:42
Operator : RC/JU
Sample : Q2514-04
Misc :
ALS Vial : 23 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
TP-96

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\BF070825\
Data File : BF143046.D
Acq On : 08 Jul 2025 21:42
Operator : RC/JU
Sample : Q2514-04
Misc :
ALS Vial : 23 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
TP-96

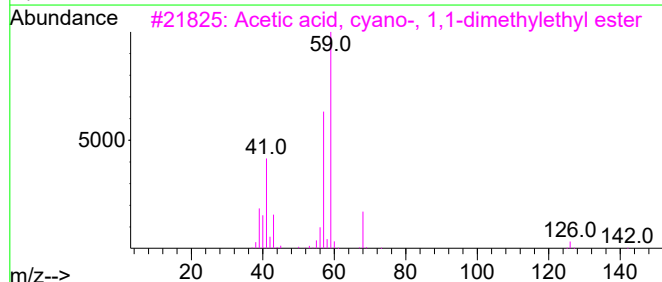
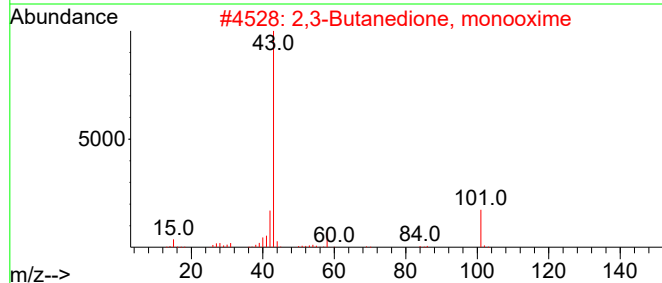
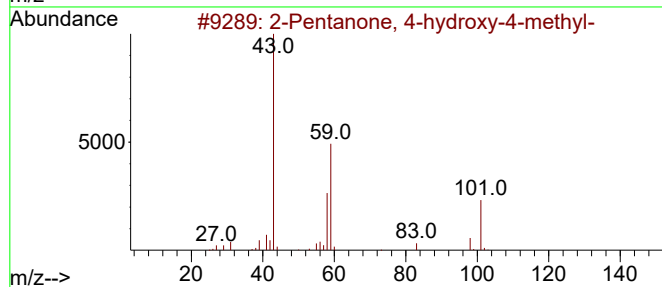
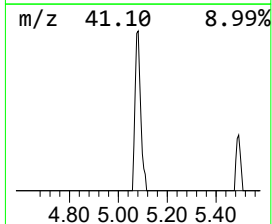
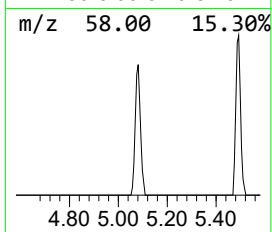
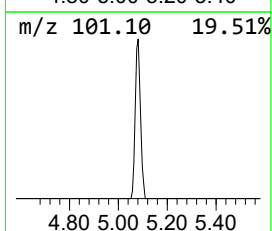
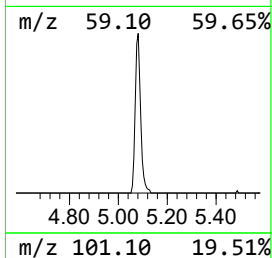
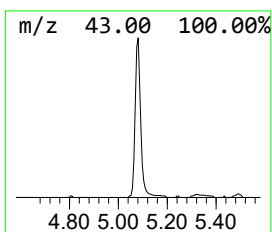
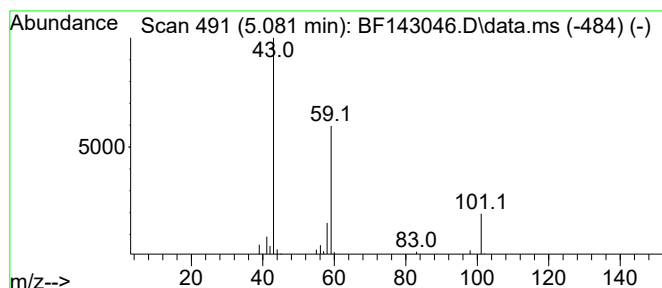
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

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

R.T.	EstConc	Area	Relative to ISTD	R.T.
5.081	4.38 ng	62836	1,4-Dichlorobenzene-d4	6.869

Hit#	of	5	Tentative ID	MW	MolForm	CAS#	Qual
1	2-Pentanone, 4-hydroxy-4-methyl-	116	C6H12O2	000123-42-2	56		
2	2,3-Butanedione, monooxime	101	C4H7NO2	000057-71-6	25		
3	Acetic acid, cyano-, 1,1-dimethy...	141	C7H11NO2	001116-98-9	23		
4	Butane, 1-ethoxy-	102	C6H14O	000628-81-9	9		
5	Morpholine, 4-methyl-	101	C5H11NO	000109-02-4	9		



Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF070825\
Data File : BF143046.D
Acq On : 08 Jul 2025 21:42
Operator : RC/JU
Sample : Q2514-04
Misc :
ALS Vial : 23 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
TP-96

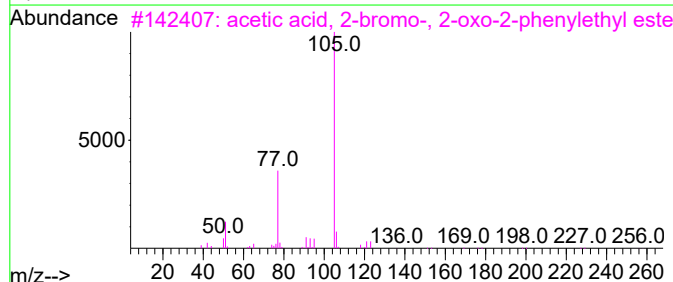
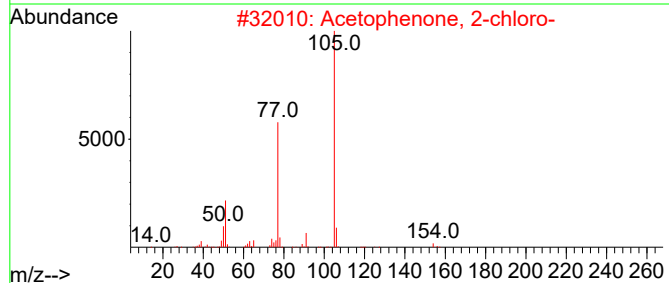
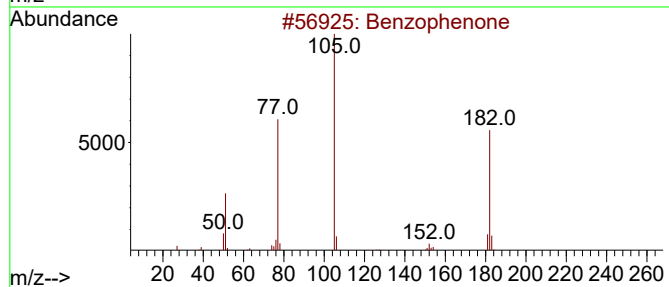
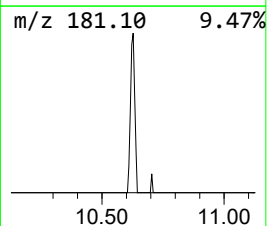
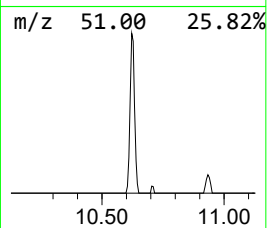
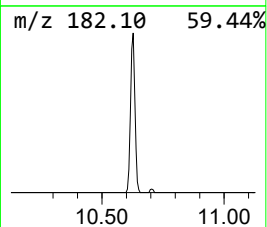
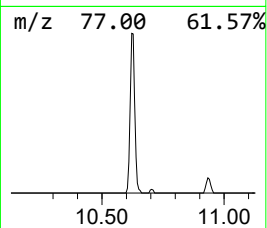
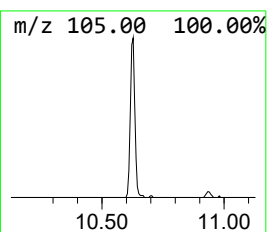
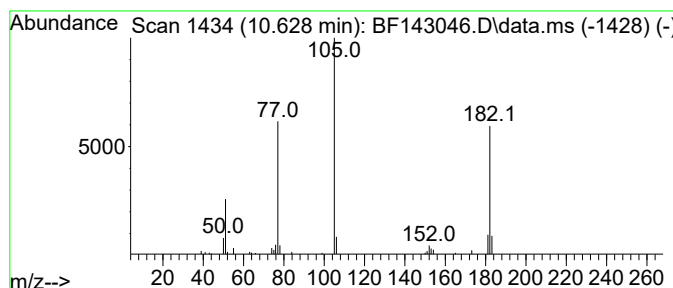
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF061925.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 2 Benzophenone Concentration Rank 2

R.T.	EstConc	Area	Relative to ISTD	R.T.
10.628	4.28 ng	67560	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			acetic acid, 2-bromo-, 2-oxo-2-p...	256	C10H9BrO3	1000401-50-0	47
4			Benzoic acid, ethyl ester	150	C9H10O2	000093-89-0	47
5			Disulfide, dibenzoyl	274	C14H10O2S2	000644-32-6	47



Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF070825\
Data File : BF143046.D
Acq On : 08 Jul 2025 21:42
Operator : RC/JU
Sample : Q2514-04
Misc :
ALS Vial : 23 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
TP-96

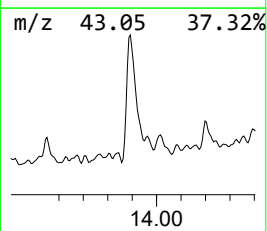
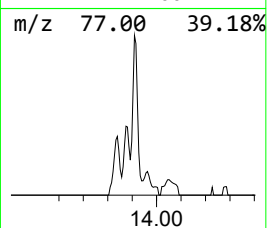
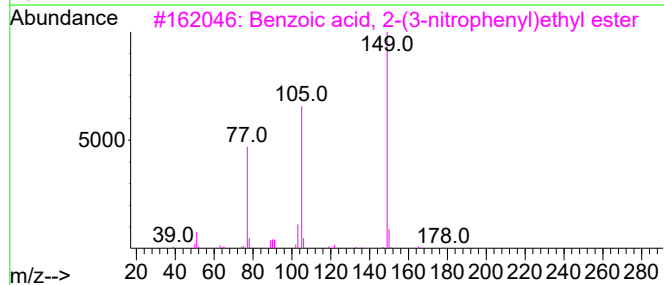
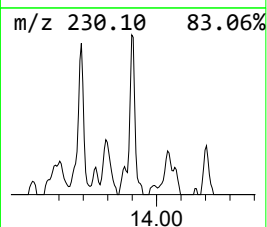
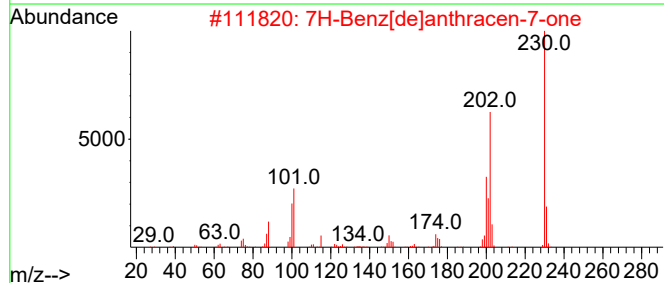
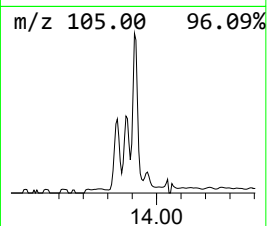
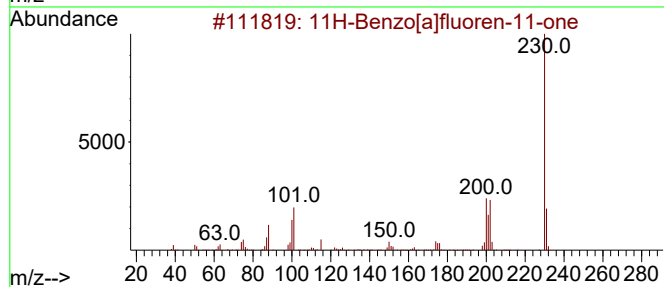
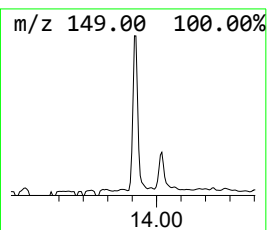
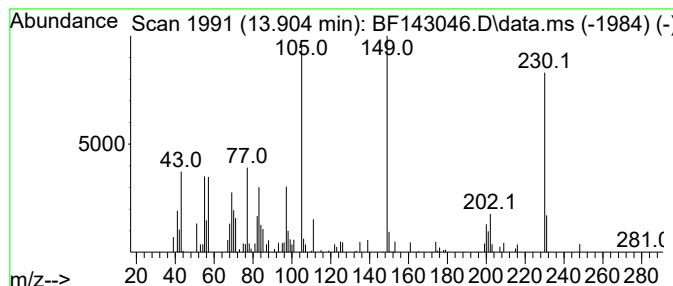
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF061925.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 3 unknown13.904 Concentration Rank 4

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.904	3.67 ng	107807	Chrysene-d12	14.051

Hit#	of	5	Tentative ID	MW	MolForm	CAS#	Qual
1			11H-Benzo[a]fluoren-11-one	230	C17H10O	000479-79-8	41
2			7H-Benz[de]anthracen-7-one	230	C17H10O	000082-05-3	41
3			Benzoic acid, 2-(3-nitrophenyl)e...	271	C15H13NO4	1000368-22-4	35
4			Phenyl(2-phenyl-1,3-dioxolan-2-y...	298	C18H18O4	006963-16-2	35
5			o-Terphenyl	230	C18H14	000084-15-1	30



Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF070825\
Data File : BF143046.D
Acq On : 08 Jul 2025 21:42
Operator : RC/JU
Sample : Q2514-04
Misc :
ALS Vial : 23 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
TP-96

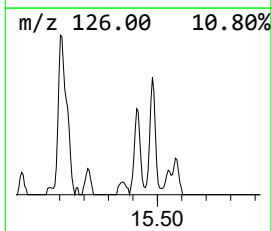
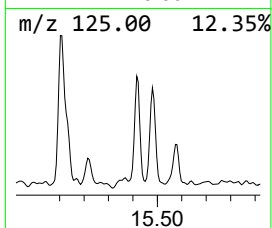
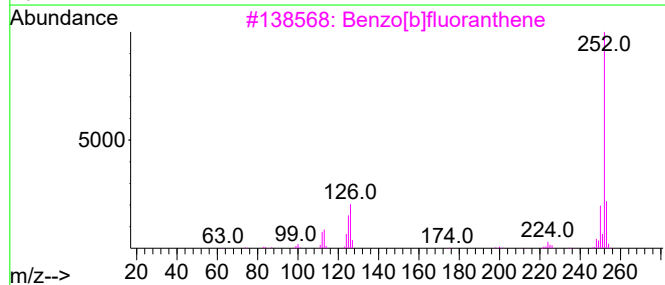
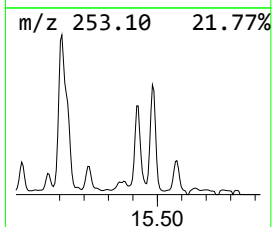
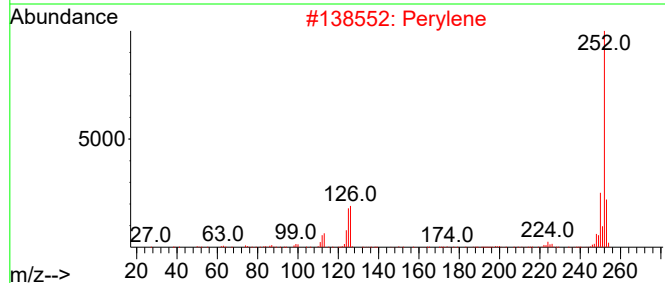
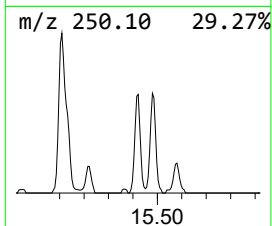
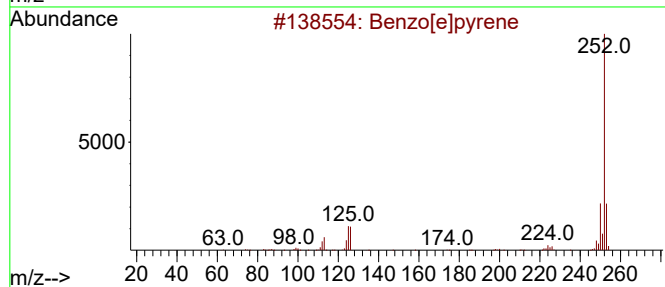
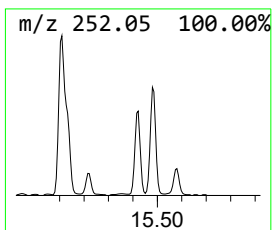
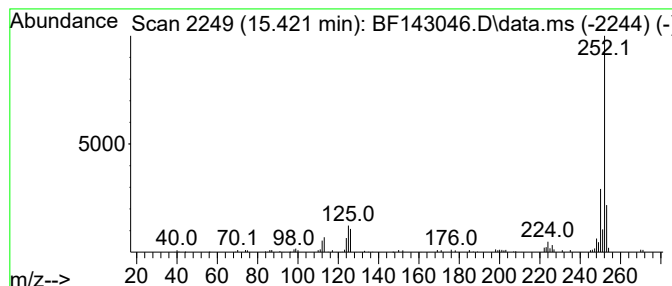
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 4 Benzo[e]pyrene Concentration Rank 3

R.T.	EstConc	Area	Relative to ISTD	R.T.
15.421	4.24 ng	71180	Perylene-d12	15.545

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



Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF070825\
Data File : BF143046.D
Acq On : 08 Jul 2025 21:42
Operator : RC/JU
Sample : Q2514-04
Misc :
ALS Vial : 23 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
TP-96

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

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

TIC Top Hit name	RT	EstConc	Units	Response	--Internal Standard--			
					#	RT	Resp	Conc
2-Pentanone, 4-...	5.081	4.4	ng	62836	1	6.869	287055	20.0
Benzophenone	10.628	4.3	ng	67560	3	9.916	315413	20.0
unknown13.904	13.904	3.7	ng	107807	5	14.051	588247	20.0
Benzo[e]pyrene	15.421	4.2	ng	71180	6	15.545	335979	20.0

Report of Analysis

Client:	CDM Smith	Date Collected:	07/02/25
Project:	South River WM Replacement	Date Received:	07/03/25
Client Sample ID:	TP-97	SDG No.:	Q2514
Lab Sample ID:	Q2514-05	Matrix:	SOIL
Analytical Method:	8270E	% Solid:	85
Sample Wt/Vol:	30.05	Units:	g
Soil Aliquot Vol:			uL
Extraction Type :		Decanted :	N
Injection Volume :		GPC Factor :	1.0
Prep Method :	SW3541	Level :	LOW
		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
BF143038.D	1	07/07/25 09:00	07/08/25 17:37	PB168737

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units(Dry Weight)
TARGETS						
100-52-7	Benzaldehyde	180	U	180	390	ug/Kg
108-95-2	Phenol	26.0	U	26.0	200	ug/Kg
111-44-4	bis(2-Chloroethyl)ether	28.5	U	28.5	200	ug/Kg
95-57-8	2-Chlorophenol	28.7	U	28.7	200	ug/Kg
95-48-7	2-Methylphenol	35.1	U	35.1	200	ug/Kg
108-60-1	2,2-oxybis(1-Chloropropane)	44.0	U	44.0	200	ug/Kg
98-86-2	Acetophenone	34.6	U	34.6	200	ug/Kg
65794-96-9	3+4-Methylphenols	48.3	U	48.3	390	ug/Kg
621-64-7	n-Nitroso-di-n-propylamine	55.7	U	55.7	94.0	ug/Kg
67-72-1	Hexachloroethane	20.7	U	20.7	200	ug/Kg
98-95-3	Nitrobenzene	21.5	U	21.5	200	ug/Kg
78-59-1	Isophorone	38.5	U	38.5	200	ug/Kg
88-75-5	2-Nitrophenol	68.4	U	68.4	200	ug/Kg
105-67-9	2,4-Dimethylphenol	76.1	U	76.1	200	ug/Kg
111-91-1	bis(2-Chloroethoxy)methane	36.2	U	36.2	200	ug/Kg
120-83-2	2,4-Dichlorophenol	33.2	U	33.2	200	ug/Kg
91-20-3	Naphthalene	26.7	U	26.7	200	ug/Kg
106-47-8	4-Chloroaniline	41.6	U	41.6	200	ug/Kg
87-68-3	Hexachlorobutadiene	29.7	U	29.7	200	ug/Kg
105-60-2	Caprolactam	61.2	U	61.2	390	ug/Kg
59-50-7	4-Chloro-3-methylphenol	33.7	U	33.7	200	ug/Kg
91-57-6	2-Methylnaphthalene	30.1	U	30.1	200	ug/Kg
77-47-4	Hexachlorocyclopentadiene	140	U	140	390	ug/Kg
88-06-2	2,4,6-Trichlorophenol	23.3	U	23.3	200	ug/Kg
95-95-4	2,4,5-Trichlorophenol	34.2	U	34.2	200	ug/Kg
92-52-4	1,1-Biphenyl	25.6	U	25.6	200	ug/Kg
91-58-7	2-Chloronaphthalene	26.4	U	26.4	200	ug/Kg
88-74-4	2-Nitroaniline	56.5	U	56.5	200	ug/Kg
131-11-3	Dimethylphthalate	31.8	U	31.8	200	ug/Kg

Report of Analysis

Client:	CDM Smith	Date Collected:	07/02/25
Project:	South River WM Replacement	Date Received:	07/03/25
Client Sample ID:	TP-97	SDG No.:	Q2514
Lab Sample ID:	Q2514-05	Matrix:	SOIL
Analytical Method:	8270E	% Solid:	85
Sample Wt/Vol:	30.05 Units: g	Final Vol:	1000 uL
Soil Aliquot Vol:	uL	Test:	SVOC-TCL BNA -20
Extraction Type :	Decanted : N	Level :	LOW
Injection Volume :	GPC Factor : 1.0	GPC Cleanup :	N PH :
Prep Method :	SW3541		

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
BF143038.D	1	07/07/25 09:00	07/08/25 17:37	PB168737

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units(Dry Weight)
208-96-8	Acenaphthylene	33.9	U	33.9	200	ug/Kg
606-20-2	2,6-Dinitrotoluene	39.5	U	39.5	200	ug/Kg
99-09-2	3-Nitroaniline	54.0	U	54.0	200	ug/Kg
83-32-9	Acenaphthene	25.0	U	25.0	200	ug/Kg
51-28-5	2,4-Dinitrophenol	270	U	270	390	ug/Kg
100-02-7	4-Nitrophenol	130	U	130	390	ug/Kg
132-64-9	Dibenzofuran	26.7	U	26.7	200	ug/Kg
121-14-2	2,4-Dinitrotoluene	58.8	U	58.8	200	ug/Kg
84-66-2	Diethylphthalate	33.2	U	33.2	200	ug/Kg
7005-72-3	4-Chlorophenyl-phenylether	31.4	U	31.4	200	ug/Kg
86-73-7	Fluorene	29.7	U	29.7	200	ug/Kg
100-01-6	4-Nitroaniline	75.4	U	75.4	200	ug/Kg
534-52-1	4,6-Dinitro-2-methylphenol	120	U	120	390	ug/Kg
86-30-6	n-Nitrosodiphenylamine	38.6	U	38.6	200	ug/Kg
101-55-3	4-Bromophenyl-phenylether	32.7	U	32.7	200	ug/Kg
118-74-1	Hexachlorobenzene	29.7	U	29.7	200	ug/Kg
1912-24-9	Atrazine	39.9	U	39.9	200	ug/Kg
87-86-5	Pentachlorophenol	60.3	U	60.3	390	ug/Kg
85-01-8	Phenanthrene	24.5	U	24.5	200	ug/Kg
120-12-7	Anthracene	39.1	U	39.1	200	ug/Kg
86-74-8	Carbazole	36.6	U	36.6	200	ug/Kg
84-74-2	Di-n-butylphthalate	56.3	U	56.3	200	ug/Kg
206-44-0	Fluoranthene	92.4	J	35.2	200	ug/Kg
129-00-0	Pyrene	86.5	J	42.3	200	ug/Kg
85-68-7	Butylbenzylphthalate	83.9	U	83.9	200	ug/Kg
91-94-1	3,3-Dichlorobenzidine	43.1	U	43.1	390	ug/Kg
56-55-3	Benzo(a)anthracene	27.0	U	27.0	200	ug/Kg
218-01-9	Chrysene	80.8	J	23.4	200	ug/Kg
117-81-7	Bis(2-ethylhexyl)phthalate	69.5	U	69.5	200	ug/Kg
117-84-0	Di-n-octyl phthalate	100	U	100	390	ug/Kg
205-99-2	Benzo(b)fluoranthene	120	J	22.3	200	ug/Kg

Report of Analysis

Client:	CDM Smith	Date Collected:	07/02/25
Project:	South River WM Replacement	Date Received:	07/03/25
Client Sample ID:	TP-97	SDG No.:	Q2514
Lab Sample ID:	Q2514-05	Matrix:	SOIL
Analytical Method:	8270E	% Solid:	85
Sample Wt/Vol:	30.05 Units: g	Final Vol:	1000 uL
Soil Aliquot Vol:	uL	Test:	SVOC-TCL BNA -20
Extraction Type :	Decanted : N	Level :	LOW
Injection Volume :	GPC Factor : 1.0	GPC Cleanup :	N PH :
Prep Method :	SW3541		

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
BF143038.D	1	07/07/25 09:00	07/08/25 17:37	PB168737

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units(Dry Weight)
207-08-9	Benzo(k)fluoranthene	26.3	U	26.3	200	ug/Kg
50-32-8	Benzo(a)pyrene	87.5	J	34.6	200	ug/Kg
193-39-5	Indeno(1,2,3-cd)pyrene	34.2	U	34.2	200	ug/Kg
53-70-3	Dibenzo(a,h)anthracene	32.2	U	32.2	200	ug/Kg
191-24-2	Benzo(g,h,i)perylene	30.2	U	30.2	200	ug/Kg
95-94-3	1,2,4,5-Tetrachlorobenzene	30.1	U	30.1	200	ug/Kg
123-91-1	1,4-Dioxane	53.1	U	53.1	200	ug/Kg
58-90-2	2,3,4,6-Tetrachlorophenol	32.2	U	32.2	200	ug/Kg

SURROGATES

367-12-4	2-Fluorophenol	74.0		18 - 112	49%	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	55.6		10 - 116	37%	SPK: 150
1718-51-0	Terphenyl-d14	38.4		10 - 105	38%	SPK: 100

INTERNAL STANDARDS

3855-82-1	1,4-Dichlorobenzene-d4	53500	6.869			
1146-65-2	Naphthalene-d8	204000	8.157			
15067-26-2	Acenaphthene-d10	108000	9.916			
1517-22-2	Phenanthrene-d10	177000	11.404			
1719-03-5	Chrysene-d12	102000	14.051			
1520-96-3	Perylene-d12	129000	15.545			

TENTATIVE IDENTIFIED COMPOUNDS

000123-42-2	2-Pentanone, 4-hydroxy-4-methyl-	210	AB		5.08	ug/Kg
000119-61-9	Benzophenone	230	J		10.6	ug/Kg
1000366-99-4	2,2-(Ethane-1,2-diylbis(oxy))bis(	150	J		13.9	ug/Kg

Report of Analysis

Client:	CDM Smith	Date Collected:	07/02/25
Project:	South River WM Replacement	Date Received:	07/03/25
Client Sample ID:	TP-97	SDG No.:	Q2514
Lab Sample ID:	Q2514-05	Matrix:	SOIL
Analytical Method:	8270E	% Solid:	85
Sample Wt/Vol:	30.05	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
Prep Method :	SW3541	PH :	

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
BF143038.D	1	07/07/25 09:00	07/08/25 17:37	PB168737

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\BF070825\
 Data File : BF143038.D
 Acq On : 08 Jul 2025 17:37
 Operator : RC/JU
 Sample : Q2514-05
 Misc :
 ALS Vial : 15 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 TP-97

Quant Time: Jul 08 18:07:06 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)

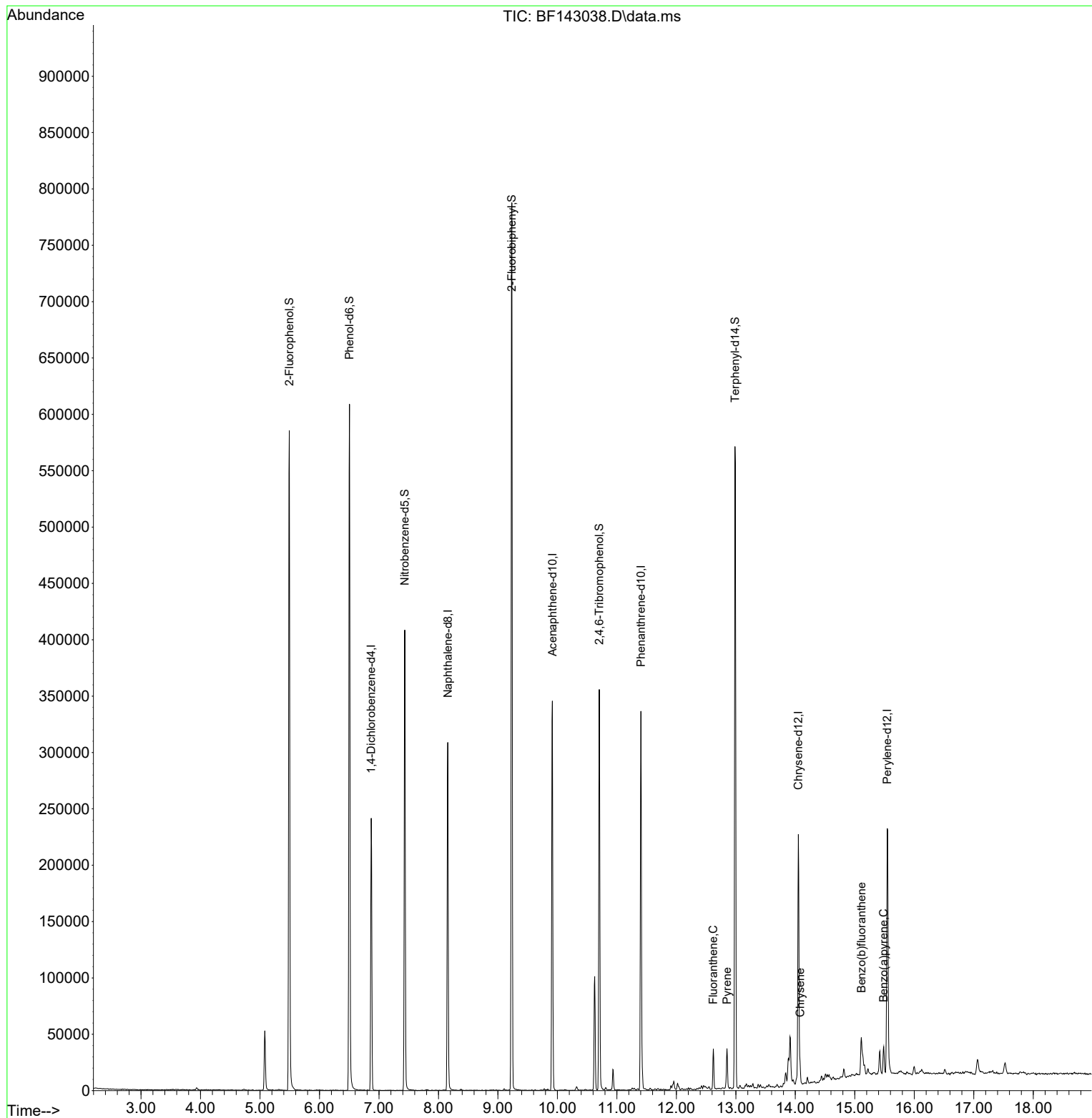
Internal Standards						
1) 1,4-Dichlorobenzene-d4	6.869	152	53517	20.000	ng	-0.01
21) Naphthalene-d8	8.157	136	204226	20.000	ng	-0.01
39) Acenaphthene-d10	9.916	164	107967	20.000	ng	0.00
64) Phenanthrene-d10	11.404	188	176632	20.000	ng	0.00
76) Chrysene-d12	14.051	240	101816	20.000	ng	0.00
86) Perylene-d12	15.545	264	128852	20.000	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.493	112	237830	73.989	ng	0.00
7) Phenol-d6	6.504	99	286850	75.639	ng	0.00
23) Nitrobenzene-d5	7.434	82	172117	46.227	ng	-0.01
42) 2,4,6-Tribromophenol	10.704	330	61813	55.635	ng	-0.01
45) 2-Fluorobiphenyl	9.234	172	361783	44.019	ng	-0.01
79) Terphenyl-d14	12.986	244	282841	38.383	ng	-0.01
Target Compounds						Qvalue
75) Fluoranthene	12.622	202	21427	2.360	ng	99
78) Pyrene	12.851	202	21083	2.209	ng	98
83) Chrysene	14.080	228	12655	2.065	ng	99
88) Benzo(b)fluoranthene	15.110	252	22811m	3.059	ng	
90) Benzo(a)pyrene	15.486	252	16099	2.235	ng	97

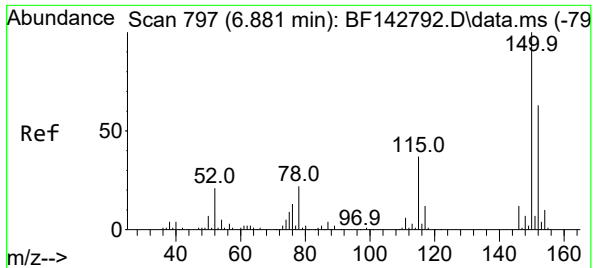
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF070825\
Data File : BF143038.D
Acq On : 08 Jul 2025 17:37
Operator : RC/JU
Sample : Q2514-05
Misc :
ALS Vial : 15 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
TP-97

Quant Time: Jul 08 18:07:06 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF061925.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Tue Jun 24 05:28:21 2025
Response via : Initial Calibration

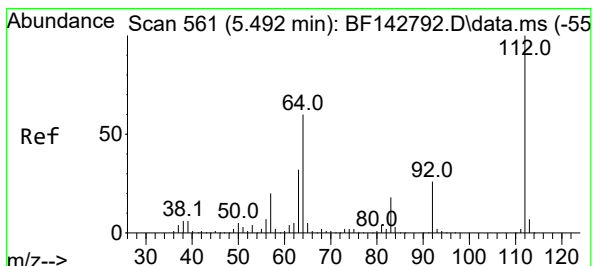
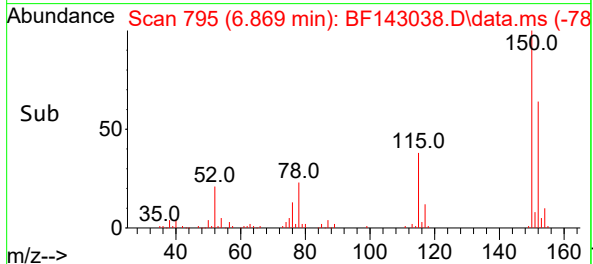
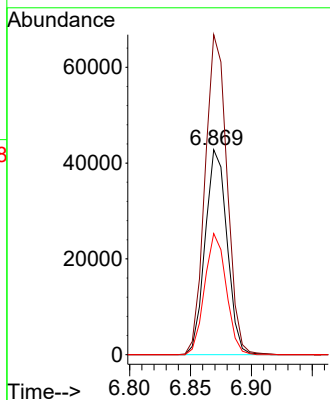
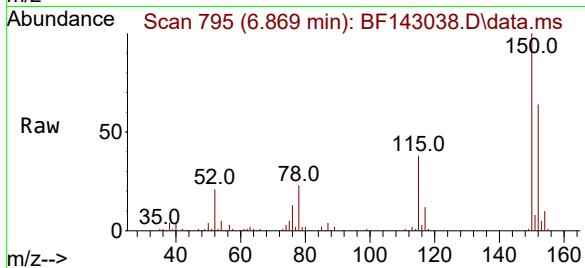




#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.869 min Scan# 797
Delta R.T. -0.012 min
Lab File: BF143038.D
Acq: 08 Jul 2025 17:37

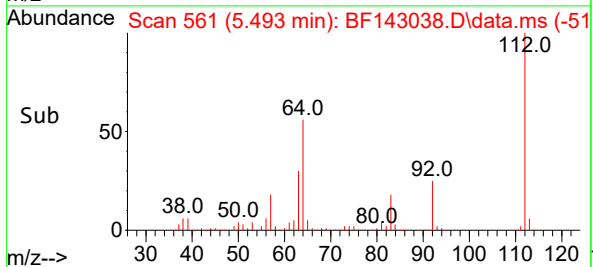
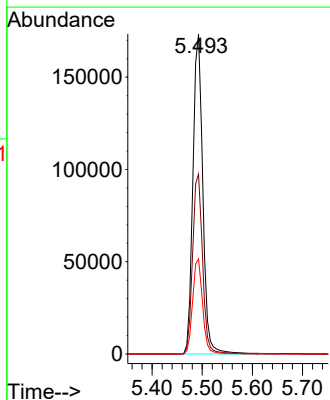
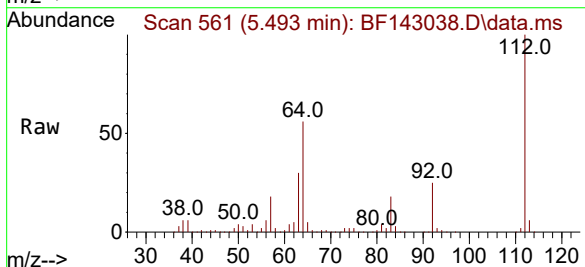
Instrument :
BNA_F
ClientSampleId :
TP-97

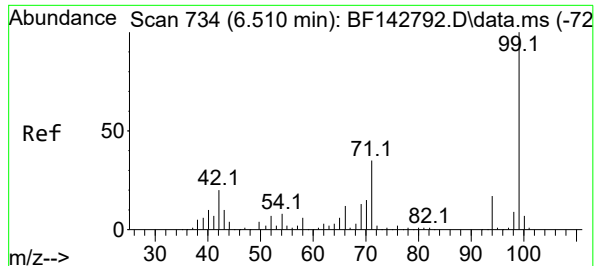
Tgt Ion:152 Resp: 53517
Ion Ratio Lower Upper
152 100
150 156.2 127.2 190.8
115 59.1 46.6 69.8



#5
2-Fluorophenol
Concen: 73.989 ng
RT: 5.493 min Scan# 561
Delta R.T. 0.001 min
Lab File: BF143038.D
Acq: 08 Jul 2025 17:37

Tgt Ion:112 Resp: 237830
Ion Ratio Lower Upper
112 100
64 56.2 48.2 72.2
63 29.7 25.7 38.5

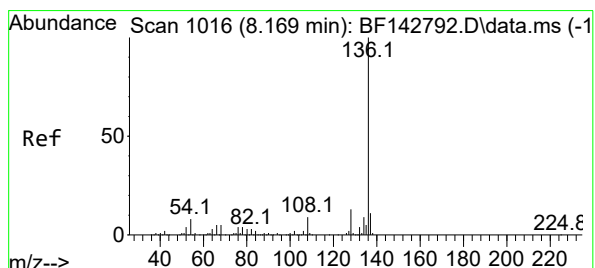
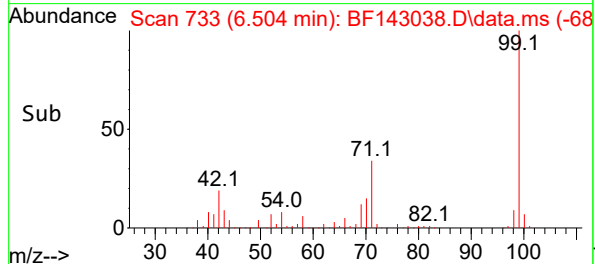
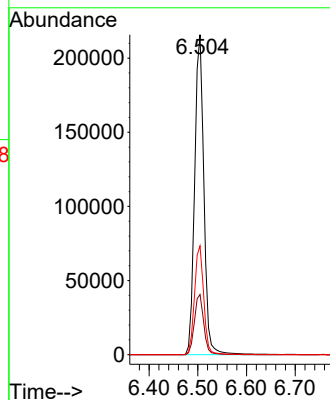
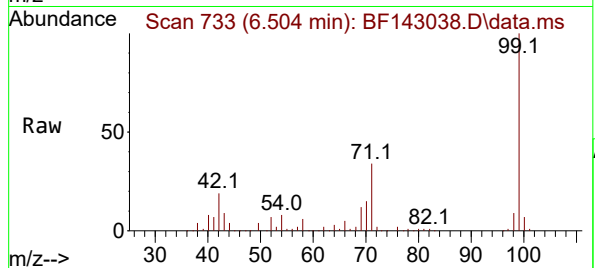




#7
Phenol-d6
Concen: 75.639 ng
RT: 6.504 min Scan# 71
Delta R.T. -0.006 min
Lab File: BF143038.D
Acq: 08 Jul 2025 17:37

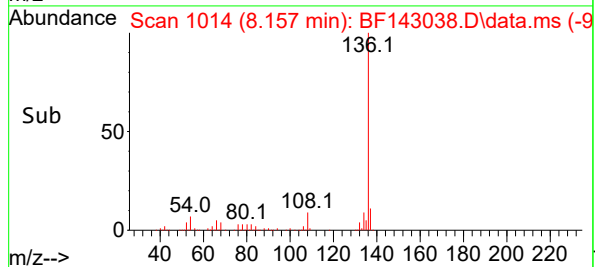
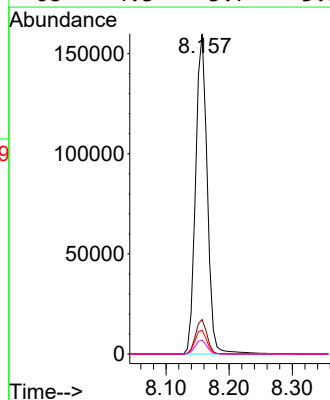
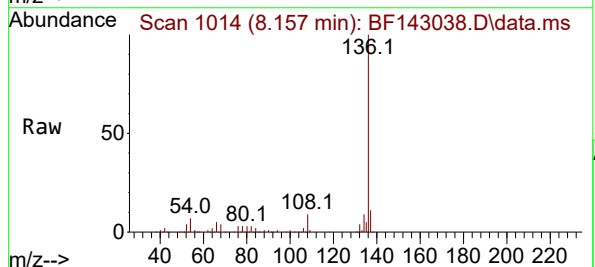
Instrument :
BNA_F
ClientSampleId :
TP-97

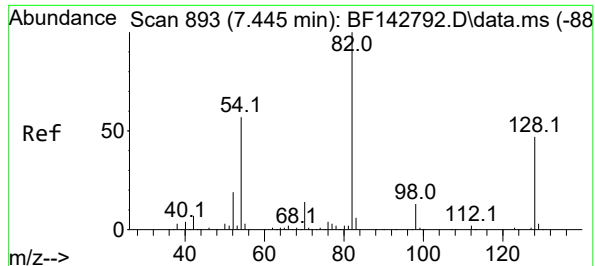
Tgt Ion: 99 Resp: 286850
Ion Ratio Lower Upper
99 100
42 18.8 15.9 23.9
71 34.0 27.8 41.8



#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.157 min Scan# 1014
Delta R.T. -0.012 min
Lab File: BF143038.D
Acq: 08 Jul 2025 17:37

Tgt Ion: 136 Resp: 204226
Ion Ratio Lower Upper
136 100
137 10.7 8.4 12.6
54 7.4 6.3 9.5
68 4.3 3.7 5.5





#23

Nitrobenzene-d5

Concen: 46.227 ng

RT: 7.434 min Scan# 89

Delta R.T. -0.011 min

Lab File: BF143038.D

Acq: 08 Jul 2025 17:37

Instrument :

BNA_F

ClientSampleId :

TP-97

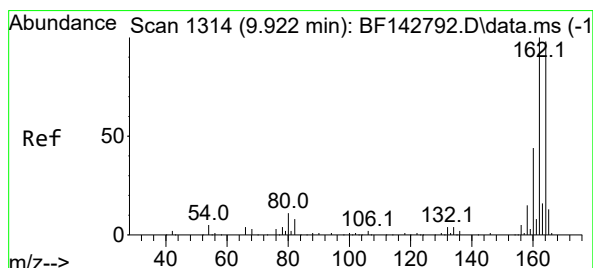
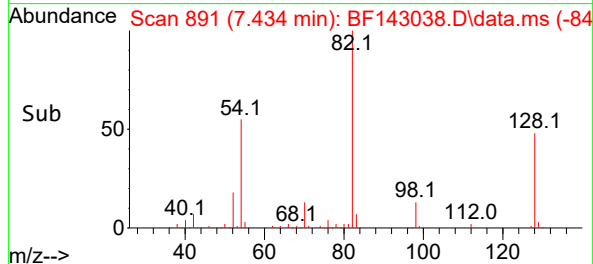
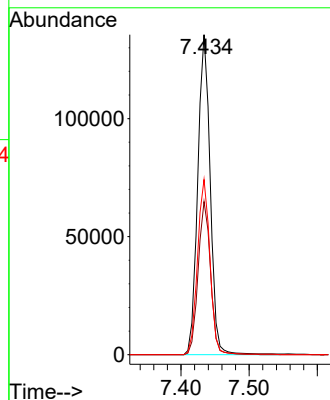
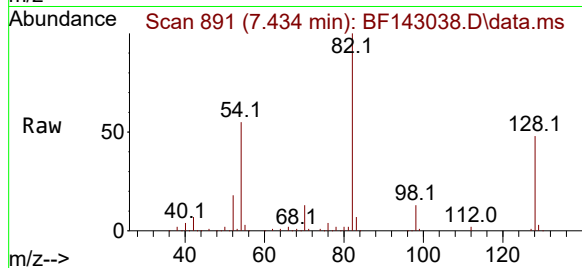
Tgt Ion: 82 Resp: 172117

Ion Ratio Lower Upper

82 100

128 47.9 37.7 56.5

54 54.8 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: BF143038.D

Acq: 08 Jul 2025 17:37

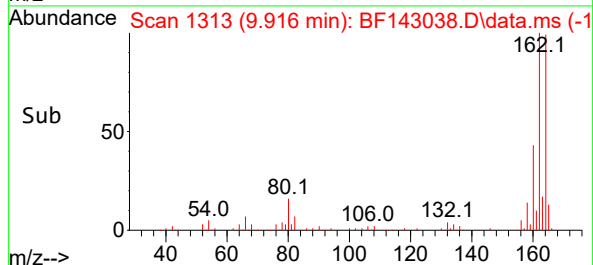
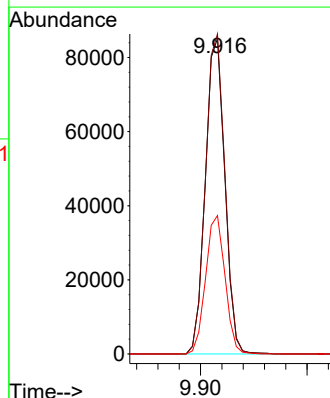
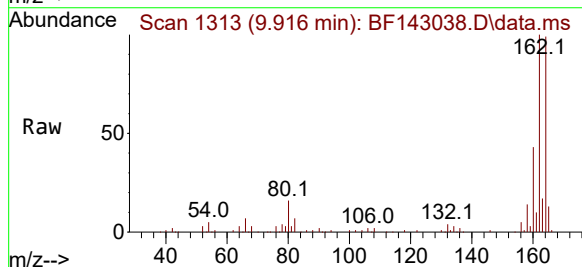
Tgt Ion:164 Resp: 107967

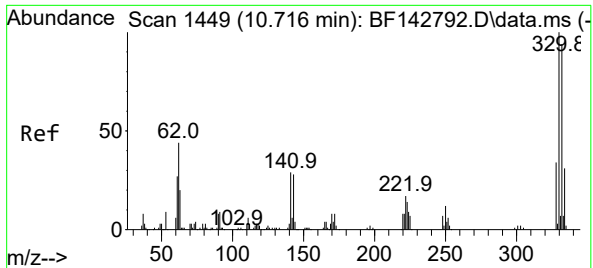
Ion Ratio Lower Upper

164 100

162 101.4 81.8 122.8

160 43.9 36.0 54.0





#42

2,4,6-Tribromophenol

Concen: 55.635 ng

RT: 10.704 min Scan# 1447

Delta R.T. -0.012 min

Lab File: BF143038.D

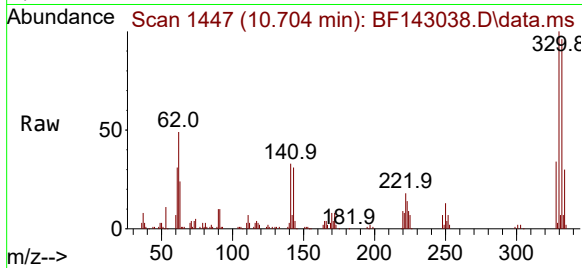
Acq: 08 Jul 2025 17:37

Instrument :

BNA_F

ClientSampleId :

TP-97



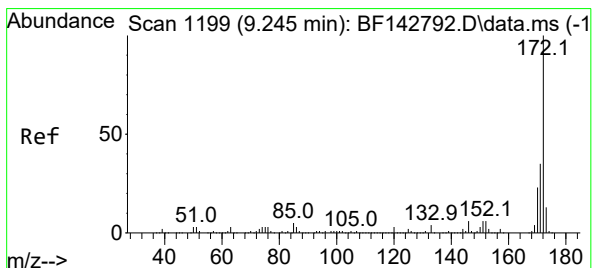
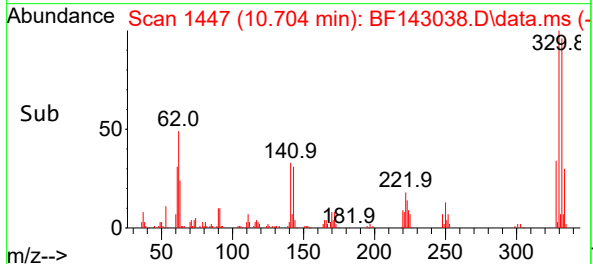
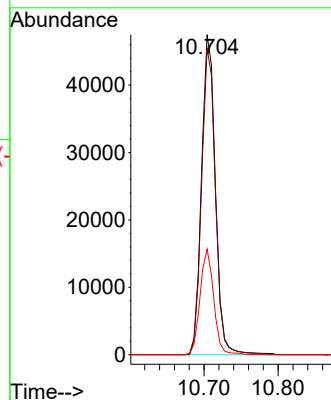
Tgt Ion:330 Resp: 61813

Ion Ratio Lower Upper

330 100

332 95.0 75.0 112.6

141 32.2 25.3 37.9



#45

2-Fluorobiphenyl

Concen: 44.019 ng

RT: 9.234 min Scan# 1197

Delta R.T. -0.011 min

Lab File: BF143038.D

Acq: 08 Jul 2025 17:37

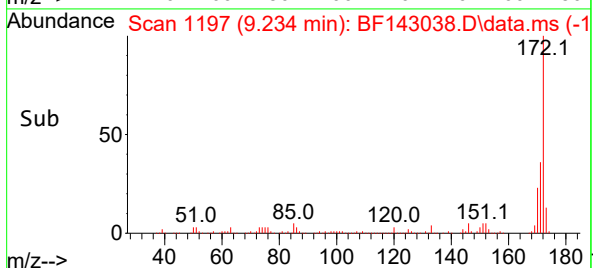
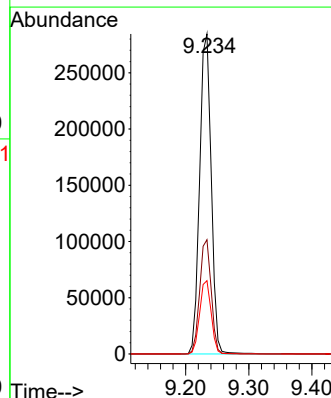
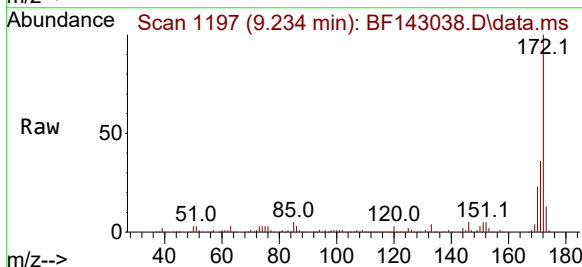
Tgt Ion:172 Resp: 361783

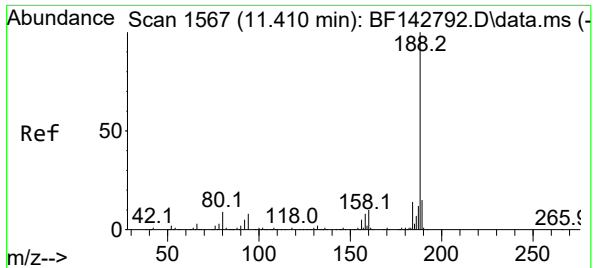
Ion Ratio Lower Upper

172 100

171 35.7 28.2 42.4

170 22.9 18.5 27.7

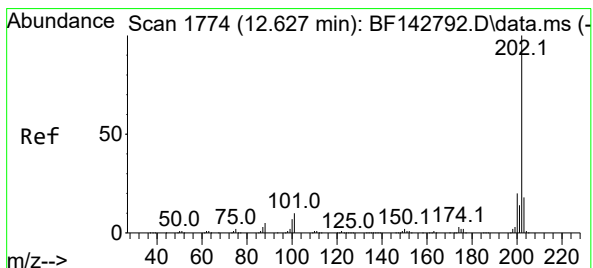
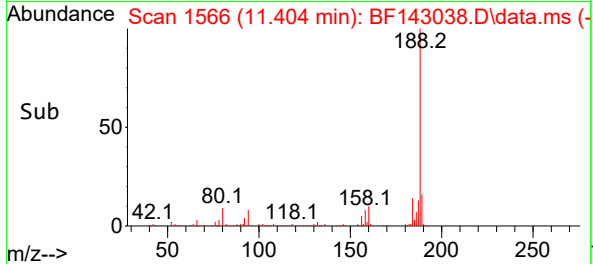
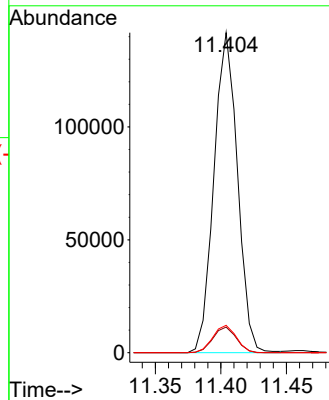
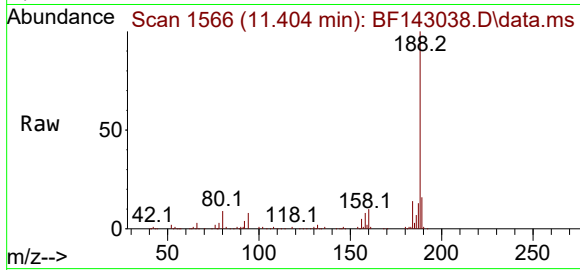




#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.404 min Scan# 11
Delta R.T. -0.006 min
Lab File: BF143038.D
Acq: 08 Jul 2025 17:37

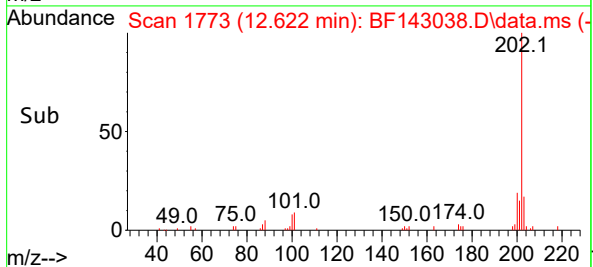
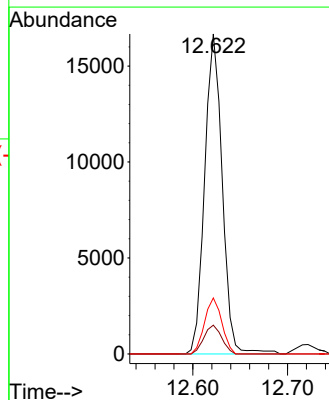
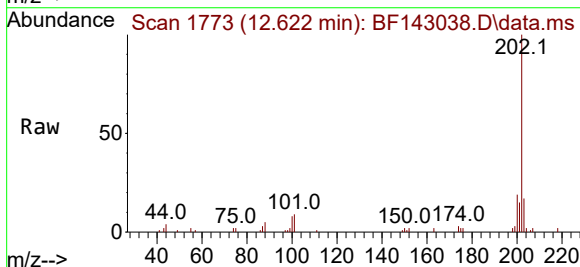
Instrument :
BNA_F
ClientSampleId :
TP-97

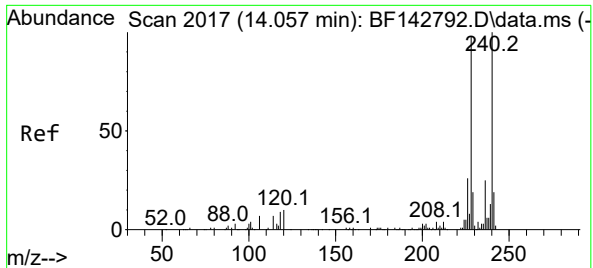
Tgt Ion	Ratio	Lower	Upper
188	100		
94	8.0	6.7	10.1
80	8.6	6.9	10.3



#75
Fluoranthene
Concen: 2.360 ng
RT: 12.622 min Scan# 1773
Delta R.T. -0.006 min
Lab File: BF143038.D
Acq: 08 Jul 2025 17:37

Tgt Ion	Ratio	Lower	Upper
202	100		
101	9.0	0.0	29.7
203	17.5	0.0	37.5

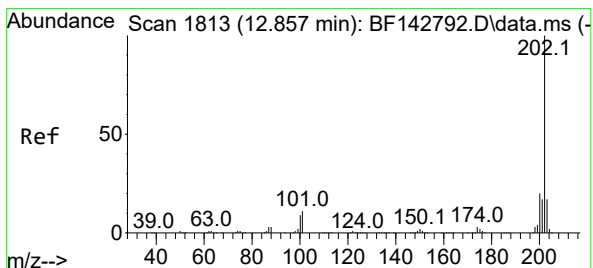
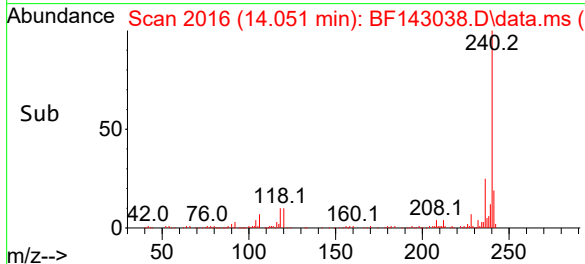
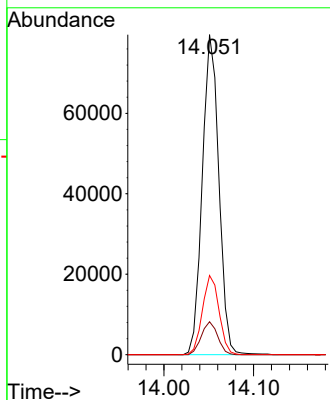
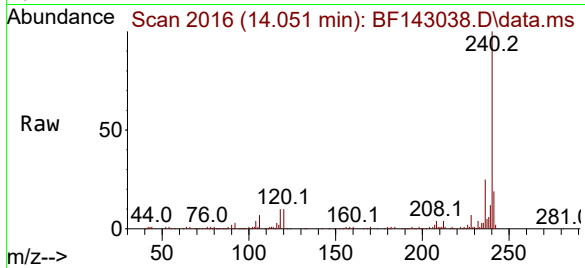




#76
Chrysene-d12
Concen: 20.000 ng
RT: 14.051 min Scan# 20
Delta R.T. -0.006 min
Lab File: BF143038.D
Acq: 08 Jul 2025 17:37

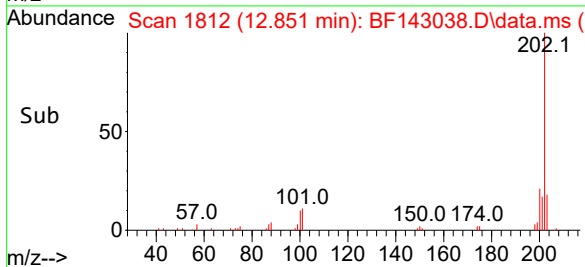
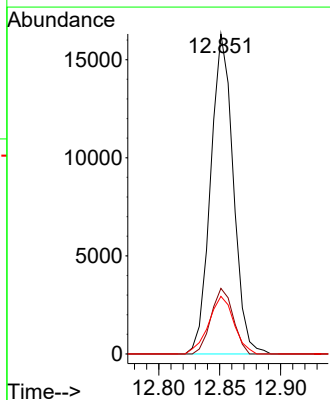
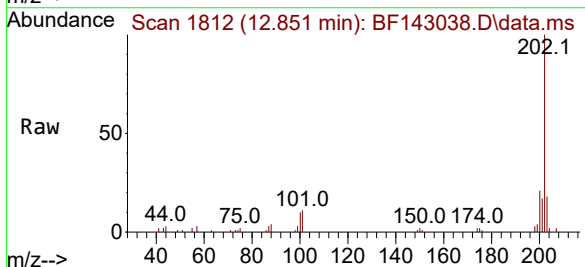
Instrument :
BNA_F
ClientSampleId :
TP-97

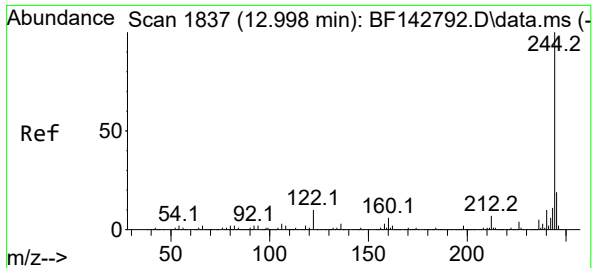
Tgt Ion:240 Resp: 101816
Ion Ratio Lower Upper
240 100
120 10.3 8.2 12.2
236 24.7 19.8 29.8



#78
Pyrene
Concen: 2.209 ng
RT: 12.851 min Scan# 1812
Delta R.T. -0.006 min
Lab File: BF143038.D
Acq: 08 Jul 2025 17:37

Tgt Ion:202 Resp: 21083
Ion Ratio Lower Upper
202 100
200 20.5 15.7 23.5
203 18.0 13.8 20.6





#79

Terphenyl-d14

Concen: 38.383 ng

RT: 12.986 min Scan# 1835

Delta R.T. -0.012 min

Lab File: BF143038.D

Acq: 08 Jul 2025 17:37

Instrument :

BNA_F

ClientSampleId :

TP-97

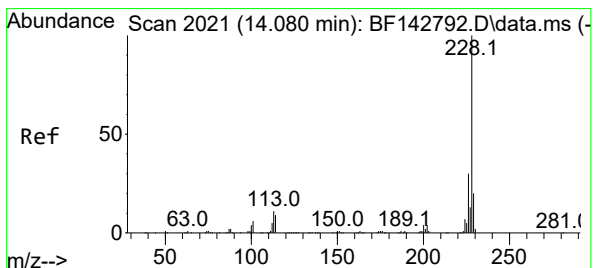
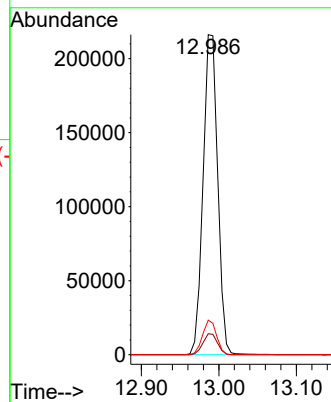
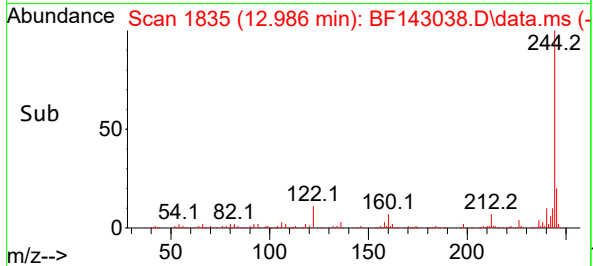
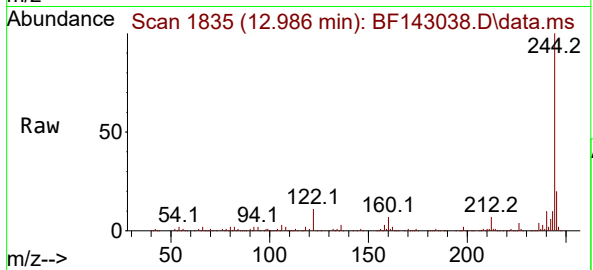
Tgt Ion:244 Resp: 282841

Ion Ratio Lower Upper

244 100

212 6.5 5.4 8.0

122 10.8 8.2 12.2



#83

Chrysene

Concen: 2.065 ng

RT: 14.080 min Scan# 2021

Delta R.T. 0.000 min

Lab File: BF143038.D

Acq: 08 Jul 2025 17:37

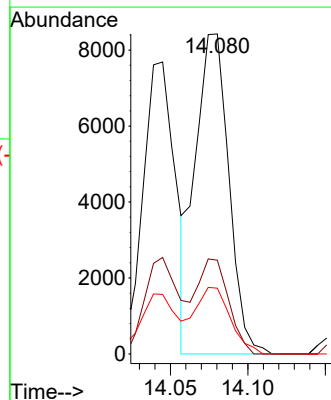
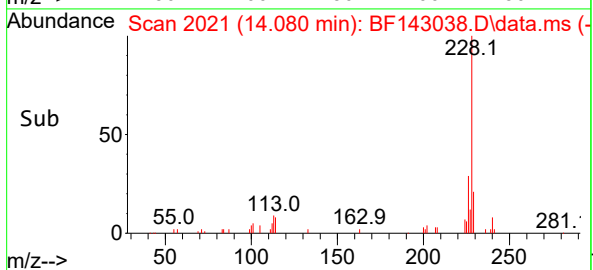
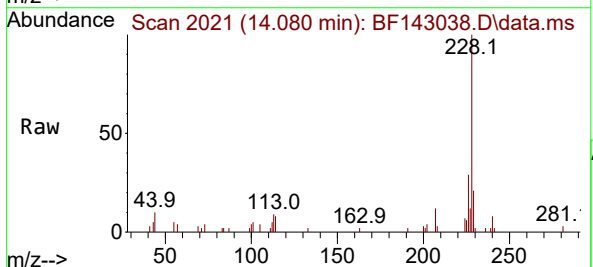
Tgt Ion:228 Resp: 12655

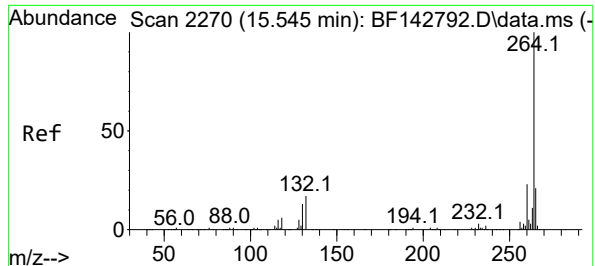
Ion Ratio Lower Upper

228 100

226 29.3 23.7 35.5

229 20.6 15.7 23.5





#86

Perylene-d12

Concen: 20.000 ng

RT: 15.545 min Scan# 2196

Delta R.T. 0.000 min

Lab File: BF143038.D

Acq: 08 Jul 2025 17:37

Instrument :

BNA_F

ClientSampleId :

TP-97

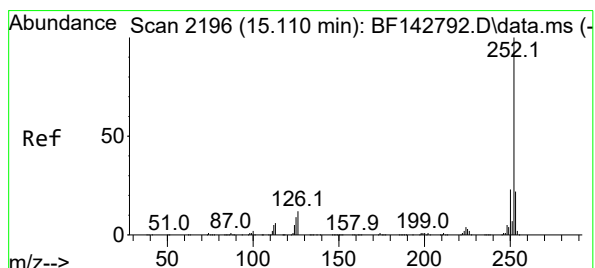
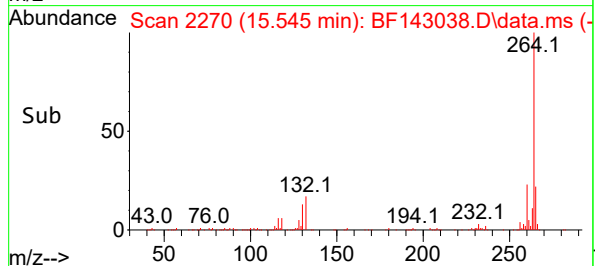
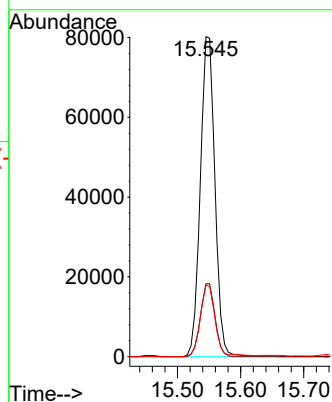
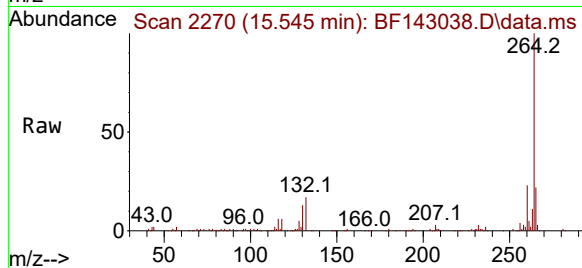
Tgt Ion:264 Resp: 128852

Ion Ratio Lower Upper

264 100

260 22.8 18.1 27.1

265 22.4 16.6 25.0



#88

Benzo(b)fluoranthene

Concen: 3.059 ng m

RT: 15.110 min Scan# 2196

Delta R.T. 0.000 min

Lab File: BF143038.D

Acq: 08 Jul 2025 17:37

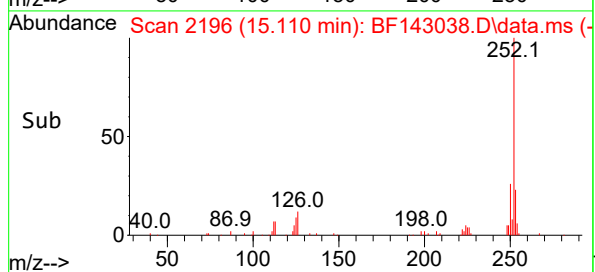
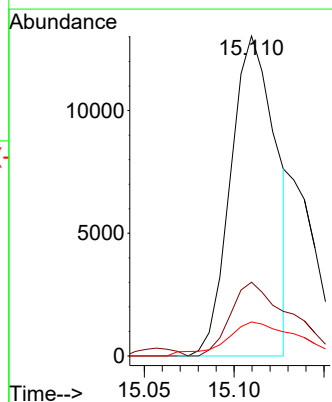
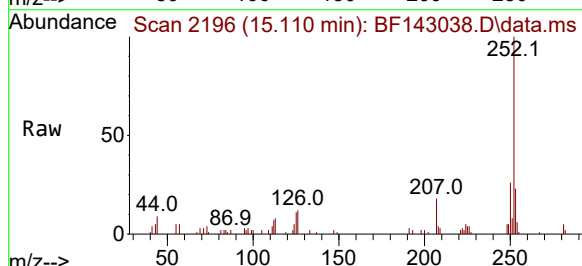
Tgt Ion:252 Resp: 22811

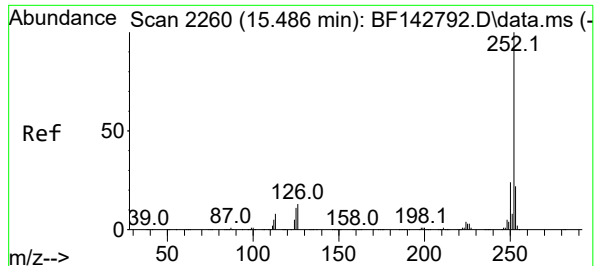
Ion Ratio Lower Upper

252 100

253 23.0 17.5 26.3

125 10.7 7.4 11.0





#90

Benzo(a)pyrene

Concen: 2.235 ng

RT: 15.486 min Scan# 21

Delta R.T. 0.000 min

Lab File: BF143038.D

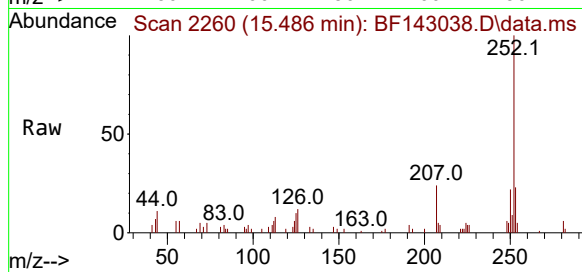
Acq: 08 Jul 2025 17:37

Instrument :

BNA_F

ClientSampleId :

TP-97



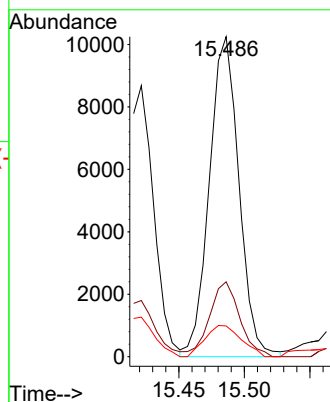
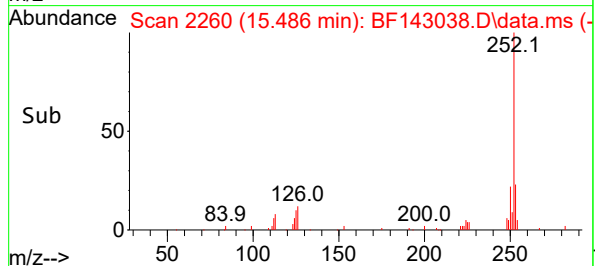
Tgt Ion:252 Resp: 16099

Ion Ratio Lower Upper

252 100

253 23.4 17.5 26.3

125 9.6 8.6 12.8



Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF070825\
 Data File : BF143038.D
 Acq On : 08 Jul 2025 17:37
 Operator : RC/JU
 Sample : Q2514-05
 Misc :
 ALS Vial : 15 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 TP-97

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: BF143038.D\data.ms

peak #	R.T. min	first scan	max scan	last scan	PK TY	peak height	corr. area	corr. % max.	% of total
1	5.081	484	491	504	rBV	52783	78190	7.82%	1.083%
2	5.493	555	561	581	rVB	584971	799174	79.91%	11.072%
3	6.504	727	733	753	rBV	608620	809122	80.90%	11.209%
4	6.869	790	795	805	rVB	241424	297066	29.70%	4.116%
5	7.434	886	891	906	rBV	408401	514538	51.45%	7.128%
6	8.157	1009	1014	1030	rBV	308641	390341	39.03%	5.408%
7	9.234	1191	1197	1202	rBV	787184	1000120	100.00%	13.856%
8	9.916	1307	1313	1325	rVB	345428	438670	43.86%	6.077%
9	10.628	1429	1434	1442	rVB	100758	128731	12.87%	1.783%
10	10.704	1442	1447	1461	rBV	355420	447358	44.73%	6.198%
11	10.933	1479	1486	1493	rVB	18202	24584	2.46%	0.341%
12	11.404	1561	1566	1576	rBV	336033	435038	43.50%	6.027%
13	11.957	1654	1660	1666	rVB2	7148	13479	1.35%	0.187%
14	12.622	1768	1773	1778	rBV	35792	43648	4.36%	0.605%
15	12.851	1806	1812	1819	rVB	35477	48584	4.86%	0.673%
16	12.986	1830	1835	1841	rBV	569112	731890	73.18%	10.140%
17	13.839	1975	1980	1983	rBV2	9726	15309	1.53%	0.212%
18	13.886	1983	1988	1989	rVV2	21588	30938	3.09%	0.429%
19	13.910	1989	1992	1999	rVB	39686	63745	6.37%	0.883%
20	14.051	2007	2016	2028	rBV	221850	325665	32.56%	4.512%
21	14.439	2074	2082	2086	rBV	5930	12964	1.30%	0.180%
22	14.816	2142	2146	2153	rVB4	7477	11489	1.15%	0.159%
23	15.110	2191	2196	2204	rBV	33110	77694	7.77%	1.076%
24	15.421	2245	2249	2255	rVB	19902	29821	2.98%	0.413%
25	15.486	2255	2260	2265	rBV	23721	36591	3.66%	0.507%
26	15.545	2265	2270	2284	rVB	217256	355267	35.52%	4.922%
27	15.998	2343	2347	2352	rVB3	6487	10689	1.07%	0.148%
28	17.062	2523	2528	2536	rBV2	11603	25702	2.57%	0.356%
29	17.527	2602	2607	2615	rVB	9680	21798	2.18%	0.302%

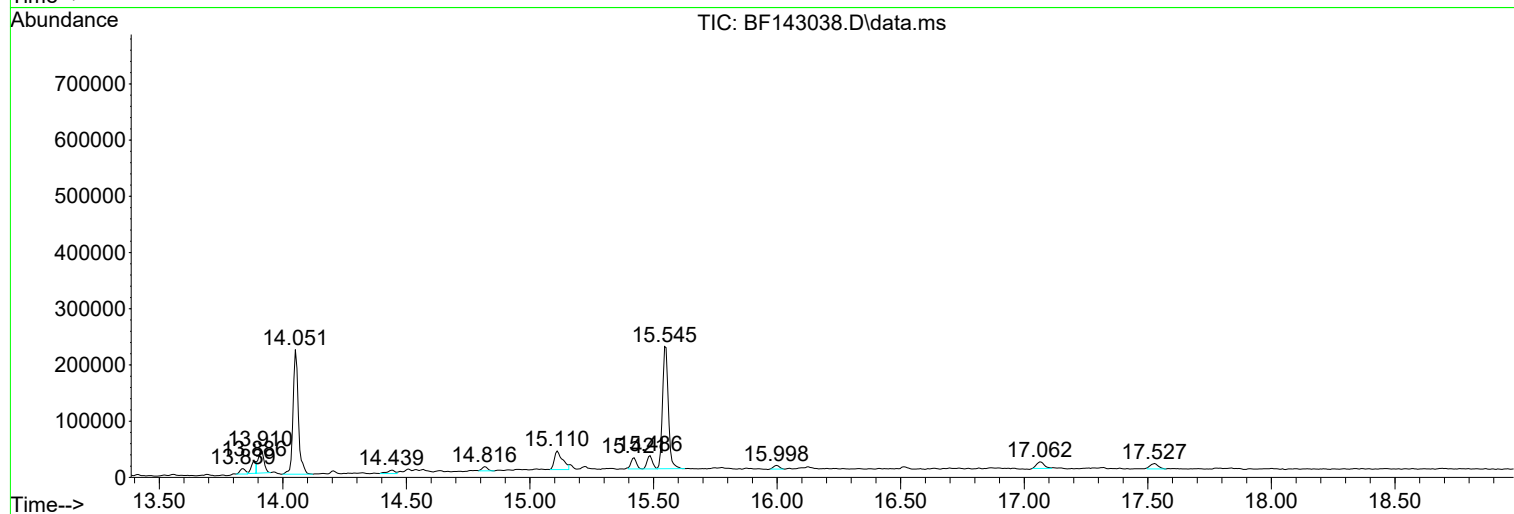
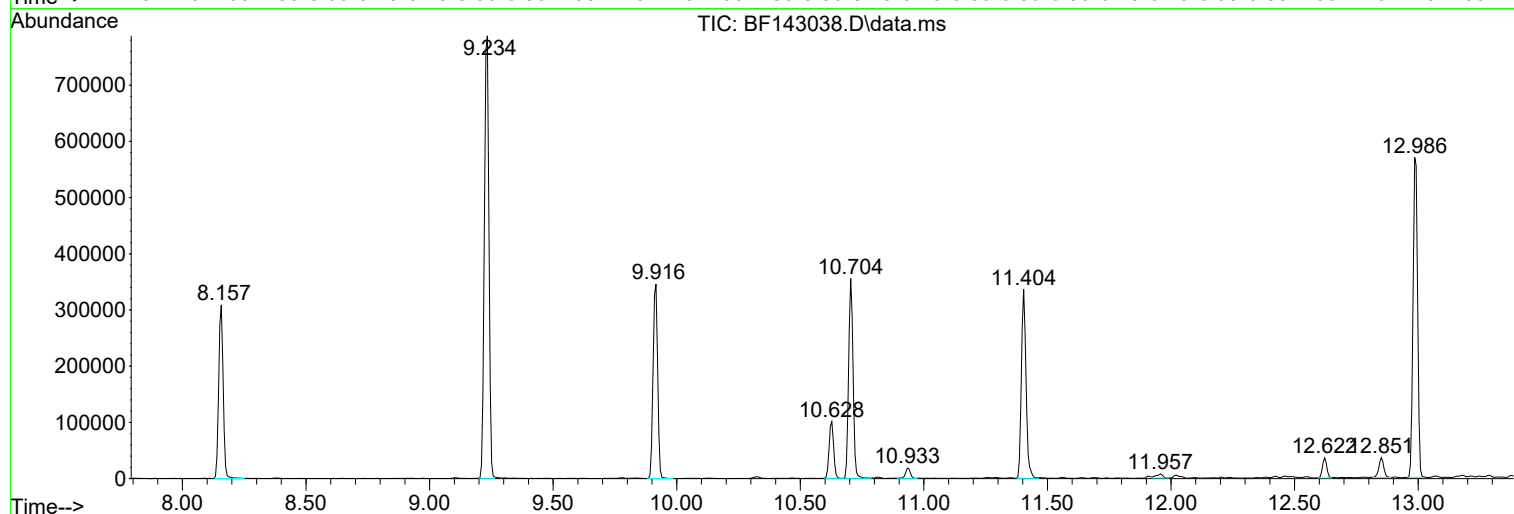
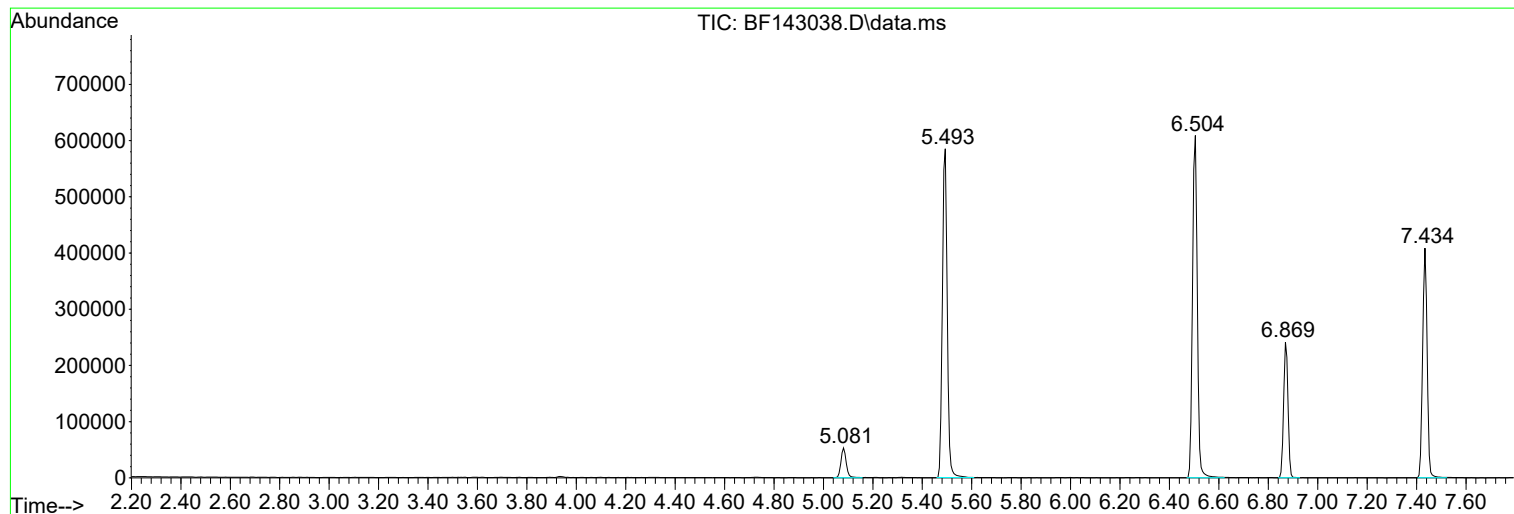
Sum of corrected areas: 7218205

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF070825\
Data File : BF143038.D
Acq On : 08 Jul 2025 17:37
Operator : RC/JU
Sample : Q2514-05
Misc :
ALS Vial : 15 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
TP-97

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\BF070825\
Data File : BF143038.D
Acq On : 08 Jul 2025 17:37
Operator : RC/JU
Sample : Q2514-05
Misc :
ALS Vial : 15 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
TP-97

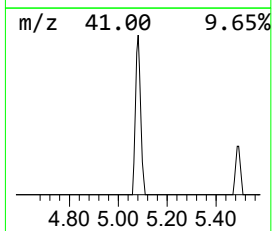
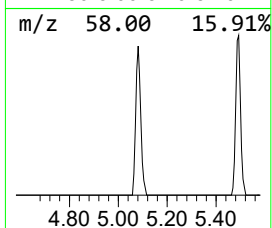
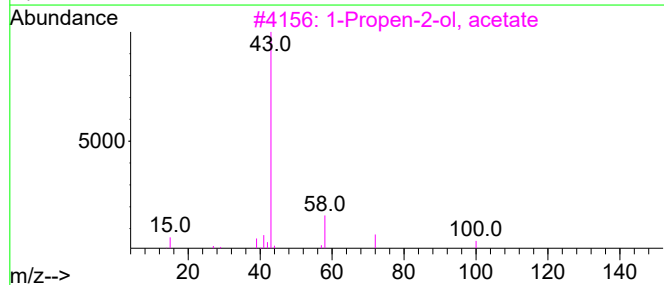
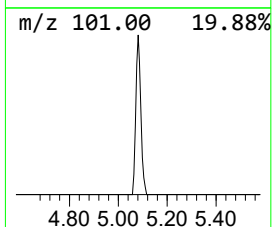
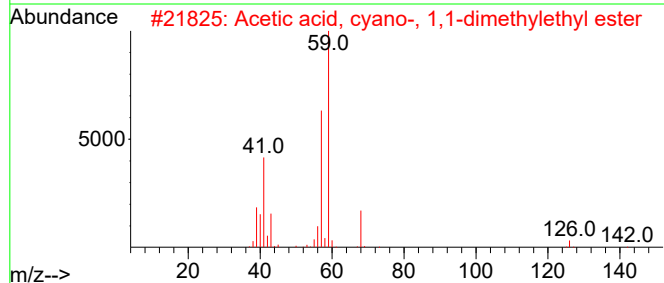
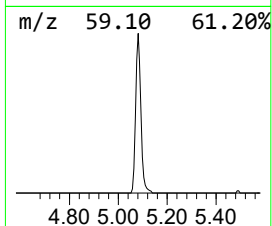
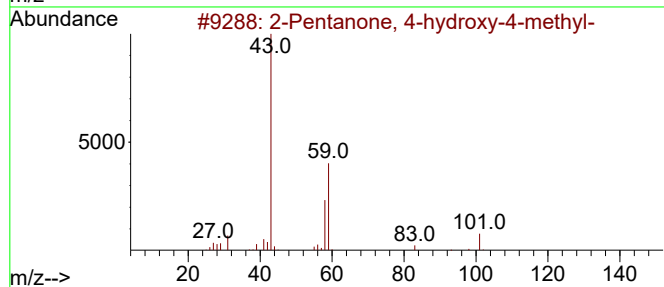
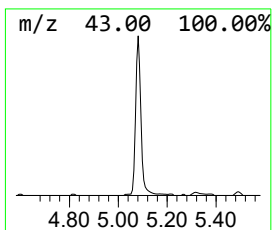
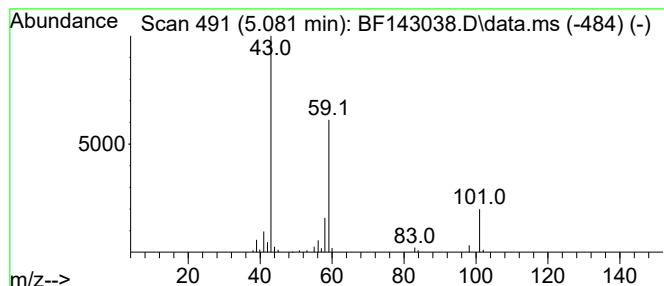
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF061925.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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.
5.081	5.26 ng	78190	1,4-Dichlorobenzene-d4	6.869

Hit#	of	5	Tentative ID	MW	MolForm	CAS#	Qual
1	2-Pentanone, 4-hydroxy-4-methyl-	116	C6H12O2	000123-42-2	56		
2	Acetic acid, cyano-, 1,1-dimethy...	141	C7H11NO2	001116-98-9	17		
3	1-Propen-2-ol, acetate	100	C5H8O2	000108-22-5	10		
4	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\BF070825\
Data File : BF143038.D
Acq On : 08 Jul 2025 17:37
Operator : RC/JU
Sample : Q2514-05
Misc :
ALS Vial : 15 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
TP-97

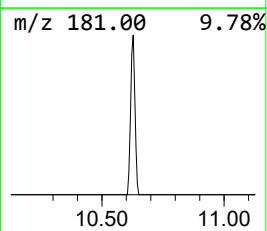
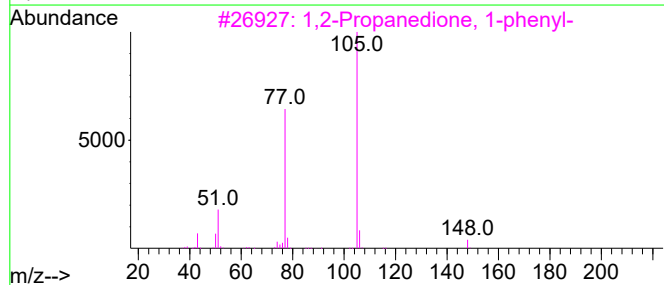
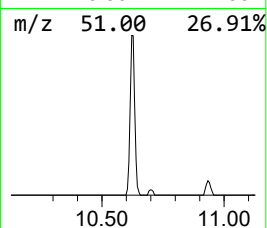
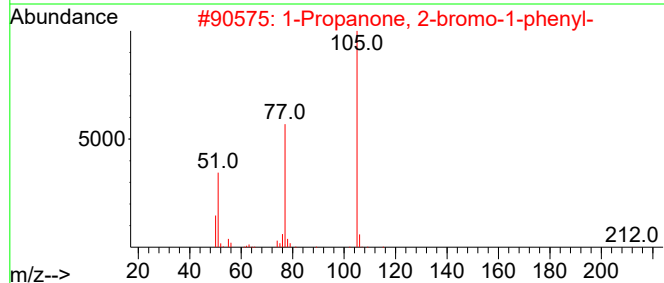
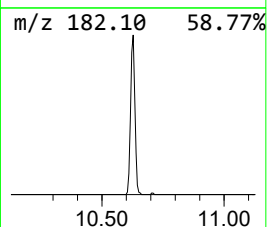
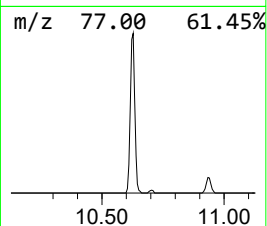
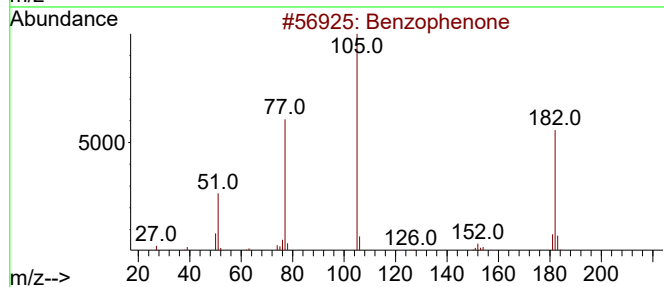
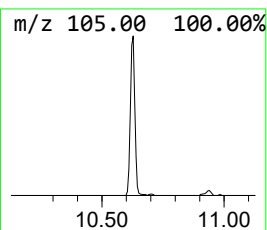
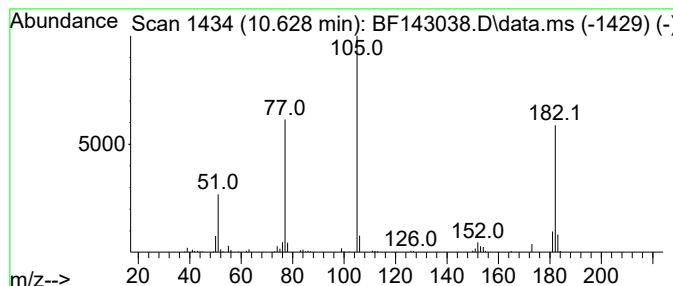
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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	5.87 ng	128731	Acenaphthene-d10	9.916

Hit#	of	5	Tentative ID	MW	MolForm	CAS#	Qual
1			Benzophenone	182	C13H10O	000119-61-9	96
2			1-Propanone, 2-bromo-1-phenyl-	212	C9H9BrO	002114-00-3	43
3			1,2-Propanedione, 1-phenyl-	148	C9H8O2	000579-07-7	43
4			N-Methylbenzamide, N-trifluoroac...	231	C10H8F3NO2	1000446-91-5	43
5			2,5-Pyrrolidinedione, 1-(benzoyl...	219	C11H9NO4	023405-15-4	43



Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF070825\
Data File : BF143038.D
Acq On : 08 Jul 2025 17:37
Operator : RC/JU
Sample : Q2514-05
Misc :
ALS Vial : 15 Sample Multiplier: 1

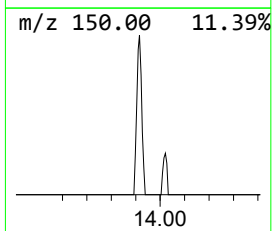
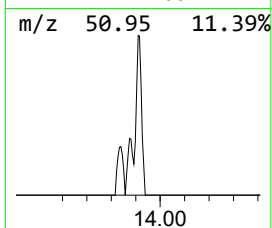
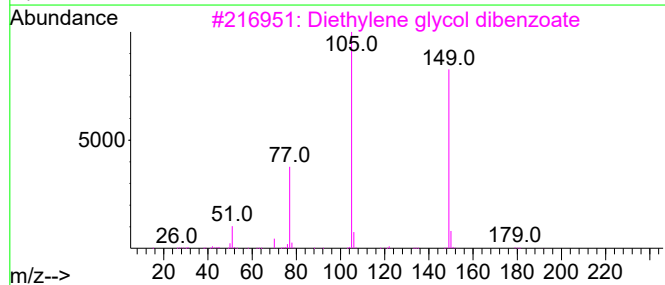
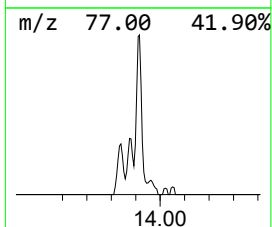
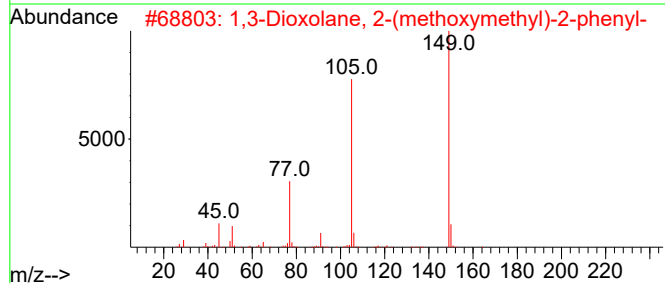
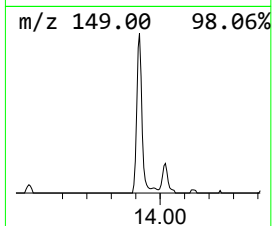
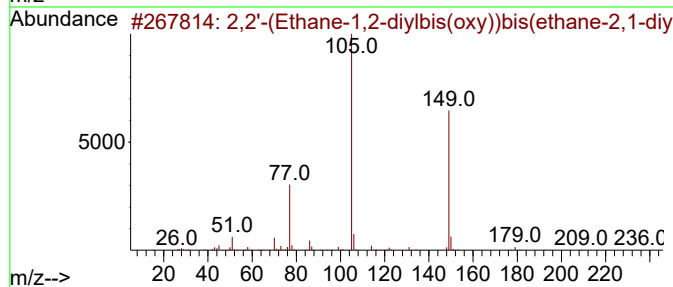
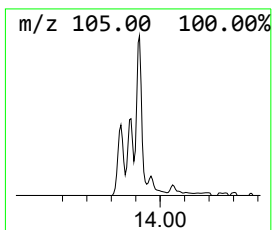
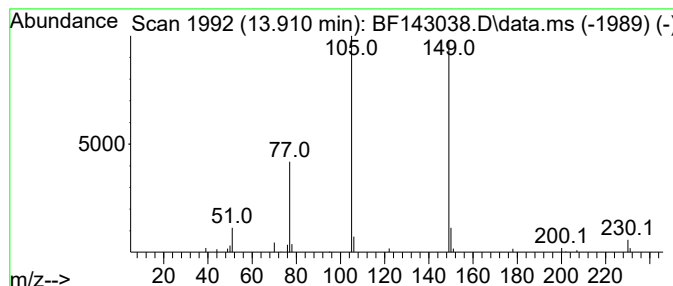
Instrument :
BNA_F
ClientSampleId :
TP-97

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 2,2'-(Ethane-1,2-diylbis(ox... Concentration Rank 3

R.T.	EstConc	Area	Relative to ISTD	R.T.	
13.910	3.91 ng	63745	Chrysene-d12	14.051	
Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	2,2'-(Ethane-1,2-diylbis(oxy))bi...	358	C20H22O6	1000366-99-4	83
2	1,3-Dioxolane, 2-(methoxymethyl)...	194	C11H14O3	1000156-71-2	83
3	Diethylene glycol dibenzoate	314	C18H18O5	000120-55-8	83
4	Phenyl(2-phenyl-1,3-dioxolan-2-y...	298	C18H18O4	006963-16-2	78
5	Phenyl(2-phenyl-1,3-dioxolan-2-y...	256	C16H16O3	005694-69-9	78



Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF070825\
Data File : BF143038.D
Acq On : 08 Jul 2025 17:37
Operator : RC/JU
Sample : Q2514-05
Misc :
ALS Vial : 15 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
TP-97

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

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

TIC Top Hit name	RT	EstConc	Units	Response	--Internal Standard--			
					#	RT	Resp	Conc
2-Pentanone, 4-...	5.081	5.3	ng	78190	1	6.869	297066	20.0
Benzophenone	10.628	5.9	ng	128731	3	9.916	438670	20.0
2,2'-(Ethane-1,...	13.910	3.9	ng	63745	5	14.051	325665	20.0

Report of Analysis

Client:	CDM Smith	Date Collected:	07/02/25
Project:	South River WM Replacement	Date Received:	07/03/25
Client Sample ID:	TP-103	SDG No.:	Q2514
Lab Sample ID:	Q2514-06	Matrix:	SOIL
Analytical Method:	8270E	% Solid:	86.5
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
		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
BF143044.D	1	07/07/25 09:00	07/08/25 20:42	PB168737

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units(Dry Weight)
TARGETS						
100-52-7	Benzaldehyde	180	U	180	380	ug/Kg
108-95-2	Phenol	25.5	U	25.5	200	ug/Kg
111-44-4	bis(2-Chloroethyl)ether	28.1	U	28.1	200	ug/Kg
95-57-8	2-Chlorophenol	28.2	U	28.2	200	ug/Kg
95-48-7	2-Methylphenol	34.5	U	34.5	200	ug/Kg
108-60-1	2,2-oxybis(1-Chloropropane)	43.3	U	43.3	200	ug/Kg
98-86-2	Acetophenone	34.1	U	34.1	200	ug/Kg
65794-96-9	3+4-Methylphenols	47.5	U	47.5	380	ug/Kg
621-64-7	n-Nitroso-di-n-propylamine	54.7	U	54.7	92.4	ug/Kg
67-72-1	Hexachloroethane	20.3	U	20.3	200	ug/Kg
98-95-3	Nitrobenzene	21.1	U	21.1	200	ug/Kg
78-59-1	Isophorone	37.9	U	37.9	200	ug/Kg
88-75-5	2-Nitrophenol	67.2	U	67.2	200	ug/Kg
105-67-9	2,4-Dimethylphenol	74.8	U	74.8	200	ug/Kg
111-91-1	bis(2-Chloroethoxy)methane	35.6	U	35.6	200	ug/Kg
120-83-2	2,4-Dichlorophenol	32.7	U	32.7	200	ug/Kg
91-20-3	Naphthalene	26.2	U	26.2	200	ug/Kg
106-47-8	4-Chloroaniline	40.9	U	40.9	200	ug/Kg
87-68-3	Hexachlorobutadiene	29.2	U	29.2	200	ug/Kg
105-60-2	Caprolactam	60.2	U	60.2	380	ug/Kg
59-50-7	4-Chloro-3-methylphenol	33.1	U	33.1	200	ug/Kg
91-57-6	2-Methylnaphthalene	29.6	U	29.6	200	ug/Kg
77-47-4	Hexachlorocyclopentadiene	130	U	130	380	ug/Kg
88-06-2	2,4,6-Trichlorophenol	22.9	U	22.9	200	ug/Kg
95-95-4	2,4,5-Trichlorophenol	33.6	U	33.6	200	ug/Kg
92-52-4	1,1-Biphenyl	25.2	U	25.2	200	ug/Kg
91-58-7	2-Chloronaphthalene	26.0	U	26.0	200	ug/Kg
88-74-4	2-Nitroaniline	55.6	U	55.6	200	ug/Kg
131-11-3	Dimethylphthalate	31.3	U	31.3	200	ug/Kg

Report of Analysis

Client:	CDM Smith	Date Collected:	07/02/25
Project:	South River WM Replacement	Date Received:	07/03/25
Client Sample ID:	TP-103	SDG No.:	Q2514
Lab Sample ID:	Q2514-06	Matrix:	SOIL
Analytical Method:	8270E	% Solid:	86.5
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
BF143044.D	1	07/07/25 09:00	07/08/25 20:42	PB168737

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units(Dry Weight)
208-96-8	Acenaphthylene	33.4	U	33.4	200	ug/Kg
606-20-2	2,6-Dinitrotoluene	38.8	U	38.8	200	ug/Kg
99-09-2	3-Nitroaniline	53.1	U	53.1	200	ug/Kg
83-32-9	Acenaphthene	24.6	U	24.6	200	ug/Kg
51-28-5	2,4-Dinitrophenol	260	U	260	380	ug/Kg
100-02-7	4-Nitrophenol	120	U	120	380	ug/Kg
132-64-9	Dibenzofuran	26.2	U	26.2	200	ug/Kg
121-14-2	2,4-Dinitrotoluene	57.9	U	57.9	200	ug/Kg
84-66-2	Diethylphthalate	32.7	U	32.7	200	ug/Kg
7005-72-3	4-Chlorophenyl-phenylether	30.8	U	30.8	200	ug/Kg
86-73-7	Fluorene	29.2	U	29.2	200	ug/Kg
100-01-6	4-Nitroaniline	74.1	U	74.1	200	ug/Kg
534-52-1	4,6-Dinitro-2-methylphenol	120	U	120	380	ug/Kg
86-30-6	n-Nitrosodiphenylamine	38.0	U	38.0	200	ug/Kg
101-55-3	4-Bromophenyl-phenylether	32.1	U	32.1	200	ug/Kg
118-74-1	Hexachlorobenzene	29.2	U	29.2	200	ug/Kg
1912-24-9	Atrazine	39.3	U	39.3	200	ug/Kg
87-86-5	Pentachlorophenol	59.2	U	59.2	380	ug/Kg
85-01-8	Phenanthrene	24.1	U	24.1	200	ug/Kg
120-12-7	Anthracene	38.5	U	38.5	200	ug/Kg
86-74-8	Carbazole	36.0	U	36.0	200	ug/Kg
84-74-2	Di-n-butylphthalate	55.3	U	55.3	200	ug/Kg
206-44-0	Fluoranthene	34.6	U	34.6	200	ug/Kg
129-00-0	Pyrene	41.6	U	41.6	200	ug/Kg
85-68-7	Butylbenzylphthalate	82.5	U	82.5	200	ug/Kg
91-94-1	3,3-Dichlorobenzidine	42.4	U	42.4	380	ug/Kg
56-55-3	Benzo(a)anthracene	26.6	U	26.6	200	ug/Kg
218-01-9	Chrysene	23.0	U	23.0	200	ug/Kg
117-81-7	Bis(2-ethylhexyl)phthalate	68.4	U	68.4	200	ug/Kg
117-84-0	Di-n-octyl phthalate	100	U	100	380	ug/Kg
205-99-2	Benzo(b)fluoranthene	21.9	U	21.9	200	ug/Kg

Report of Analysis

Client:	CDM Smith	Date Collected:	07/02/25
Project:	South River WM Replacement	Date Received:	07/03/25
Client Sample ID:	TP-103	SDG No.:	Q2514
Lab Sample ID:	Q2514-06	Matrix:	SOIL
Analytical Method:	8270E	% Solid:	86.5
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
BF143044.D	1	07/07/25 09:00	07/08/25 20:42	PB168737

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units(Dry Weight)
207-08-9	Benzo(k)fluoranthene	25.9	U	25.9	200	ug/Kg
50-32-8	Benzo(a)pyrene	34.1	U	34.1	200	ug/Kg
193-39-5	Indeno(1,2,3-cd)pyrene	33.6	U	33.6	200	ug/Kg
53-70-3	Dibenzo(a,h)anthracene	31.6	U	31.6	200	ug/Kg
191-24-2	Benzo(g,h,i)perylene	29.7	U	29.7	200	ug/Kg
95-94-3	1,2,4,5-Tetrachlorobenzene	29.6	U	29.6	200	ug/Kg
123-91-1	1,4-Dioxane	52.2	U	52.2	200	ug/Kg
58-90-2	2,3,4,6-Tetrachlorophenol	31.6	U	31.6	200	ug/Kg

SURROGATES

367-12-4	2-Fluorophenol	66.8		18 - 112	45%	SPK: 150
13127-88-3	Phenol-d6	67.4		15 - 107	45%	SPK: 150
4165-60-0	Nitrobenzene-d5	44.0		18 - 107	44%	SPK: 100
321-60-8	2-Fluorobiphenyl	46.5		20 - 109	46%	SPK: 100
118-79-6	2,4,6-Tribromophenol	47.8		10 - 116	32%	SPK: 150
1718-51-0	Terphenyl-d14	28.7		10 - 105	29%	SPK: 100

INTERNAL STANDARDS

3855-82-1	1,4-Dichlorobenzene-d4	56400	6.869
1146-65-2	Naphthalene-d8	203000	8.157
15067-26-2	Acenaphthene-d10	92000	9.91
1517-22-2	Phenanthrene-d10	127000	11.404
1719-03-5	Chrysene-d12	130000	14.051
1520-96-3	Perylene-d12	143000	15.545

TENTATIVE IDENTIFIED COMPOUNDS

000123-42-2	2-Pentanone, 4-hydroxy-4-methyl-	220	AB	5.08	ug/Kg
000119-61-9	Benzophenone	170	J	10.6	ug/Kg
000120-55-8	Diethylene glycol dibenzoate	120	J	13.9	ug/Kg

Report of Analysis

Client:	CDM Smith	Date Collected:	07/02/25
Project:	South River WM Replacement	Date Received:	07/03/25
Client Sample ID:	TP-103	SDG No.:	Q2514
Lab Sample ID:	Q2514-06	Matrix:	SOIL
Analytical Method:	8270E	% Solid:	86.5
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
BF143044.D	1	07/07/25 09:00	07/08/25 20:42	PB168737

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\BF070825\
Data File : BF143044.D
Acq On : 08 Jul 2025 20:42
Operator : RC/JU
Sample : Q2514-06
Misc :
ALS Vial : 21 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
TP-103

Quant Time: Jul 09 01:42:10 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF061925.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Tue Jun 24 05:28:21 2025
Response via : Initial Calibration

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

Internal Standards						
1) 1,4-Dichlorobenzene-d4	6.869	152	56443	20.000	ng	-0.01
21) Naphthalene-d8	8.157	136	202963	20.000	ng	-0.01
39) Acenaphthene-d10	9.910	164	92048	20.000	ng	-0.01
64) Phenanthrene-d10	11.404	188	127469	20.000	ng	0.00
76) Chrysene-d12	14.051	240	129693	20.000	ng	0.00
86) Perylene-d12	15.545	264	142779	20.000	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.493	112	226334	66.763	ng	0.00
7) Phenol-d6	6.504	99	269543	67.391	ng	0.00
23) Nitrobenzene-d5	7.434	82	162801	43.997	ng	-0.01
42) 2,4,6-Tribromophenol	10.704	330	45263	47.784	ng	-0.01
45) 2-Fluorobiphenyl	9.228	172	325778	46.494	ng	-0.02
79) Terphenyl-d14	12.986	244	269123	28.671	ng	-0.01

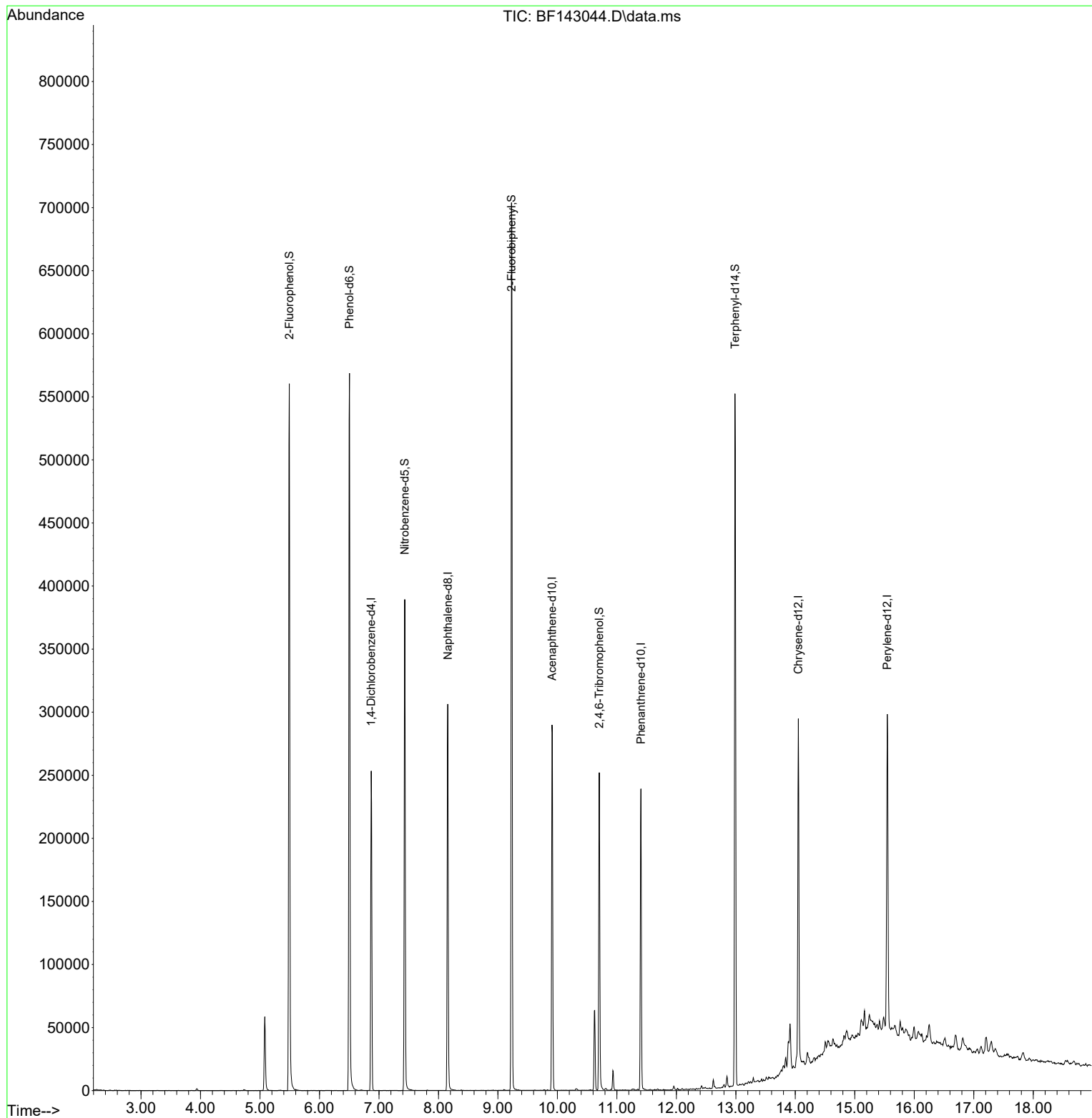
Target Compounds	Qvalue

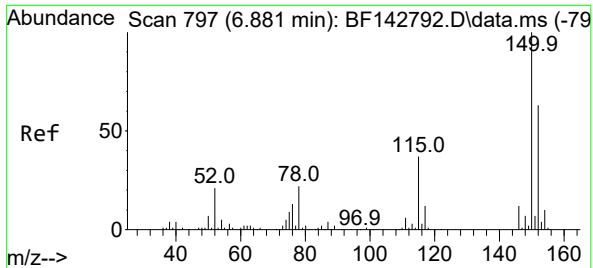
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF070825\
Data File : BF143044.D
Acq On : 08 Jul 2025 20:42
Operator : RC/JU
Sample : Q2514-06
Misc :
ALS Vial : 21 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
TP-103

Quant Time: Jul 09 01:42:10 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF061925.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Tue Jun 24 05:28:21 2025
Response via : Initial Calibration

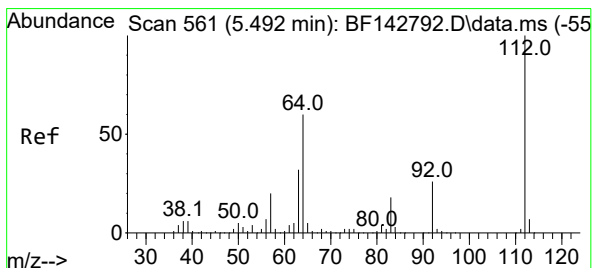
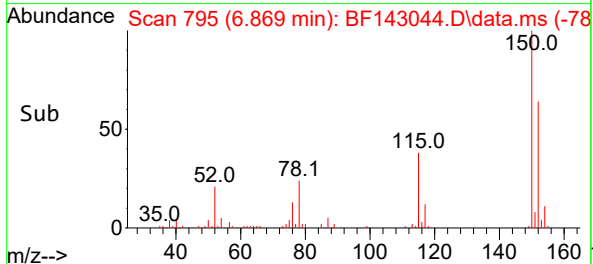
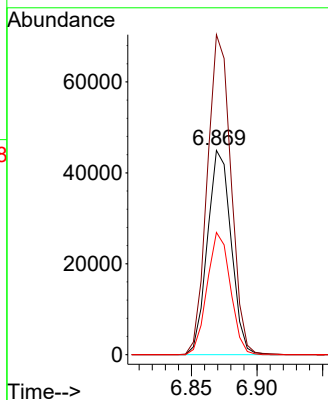
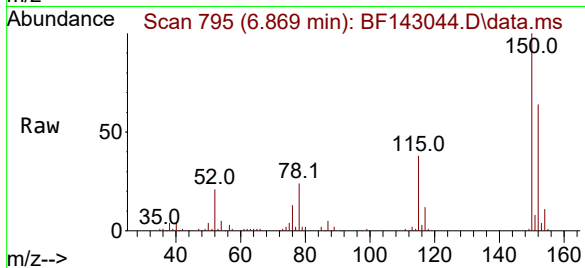




#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.869 min Scan# 797
Delta R.T. -0.012 min
Lab File: BF143044.D
Acq: 08 Jul 2025 20:42

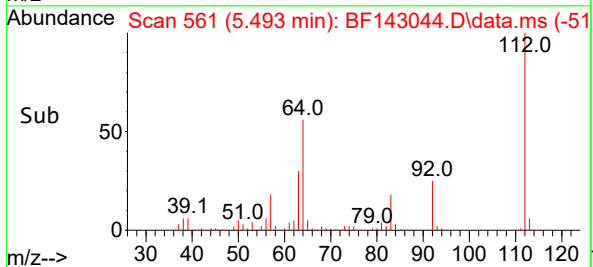
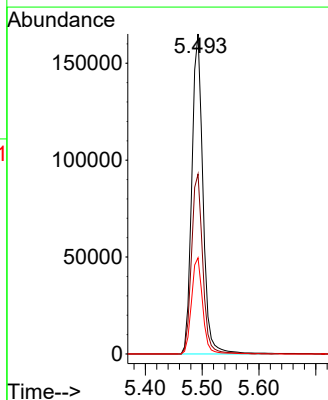
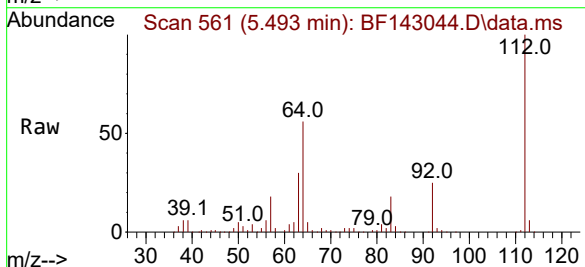
Instrument :
BNA_F
ClientSampleId :
TP-103

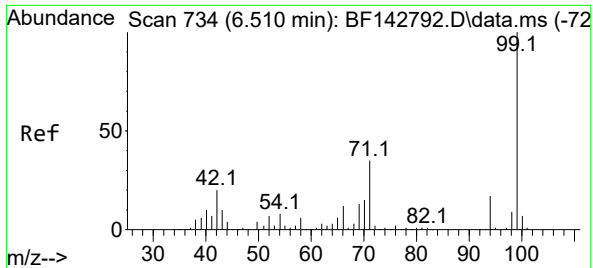
Tgt Ion:152 Resp: 56443
Ion Ratio Lower Upper
152 100
150 156.6 127.2 190.8
115 59.8 46.6 69.8



#5
2-Fluorophenol
Concen: 66.763 ng
RT: 5.493 min Scan# 561
Delta R.T. 0.001 min
Lab File: BF143044.D
Acq: 08 Jul 2025 20:42

Tgt Ion:112 Resp: 226334
Ion Ratio Lower Upper
112 100
64 56.2 48.2 72.2
63 30.1 25.7 38.5

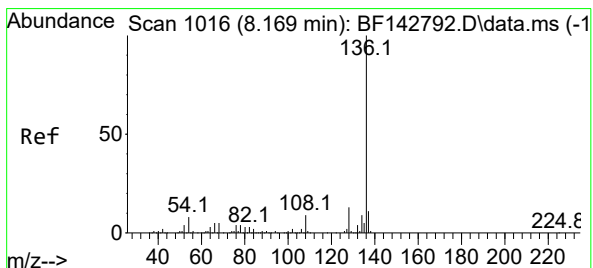
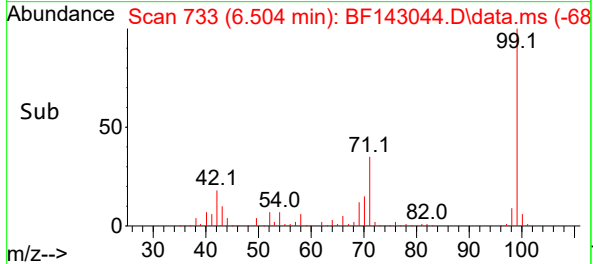
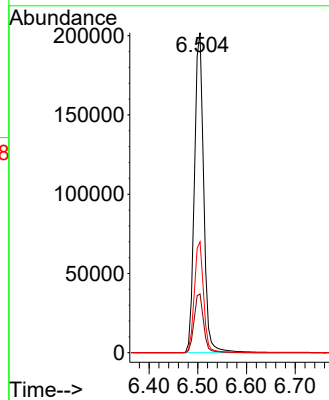
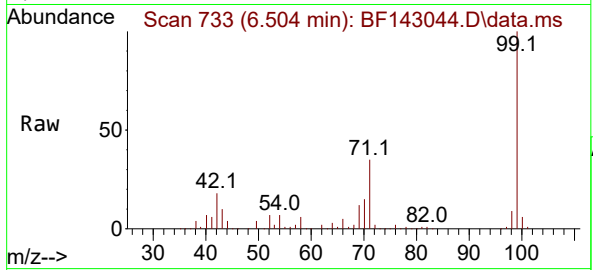




#7
Phenol-d6
Concen: 67.391 ng
RT: 6.504 min Scan# 71
Delta R.T. -0.006 min
Lab File: BF143044.D
Acq: 08 Jul 2025 20:42

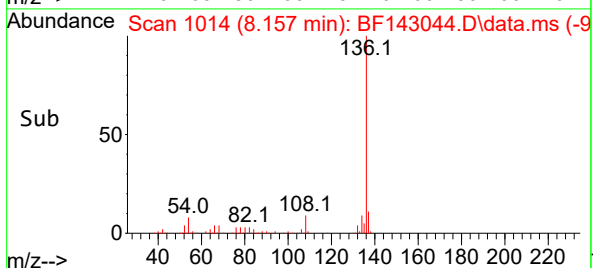
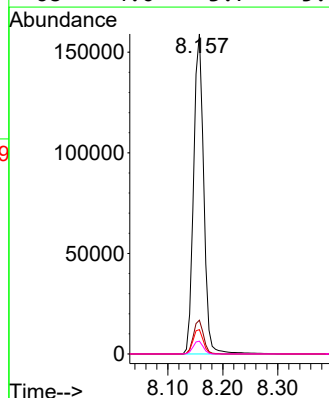
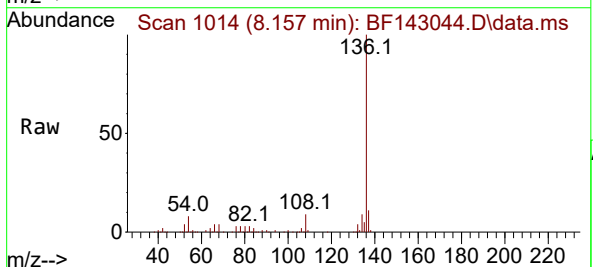
Instrument :
BNA_F
ClientSampleId :
TP-103

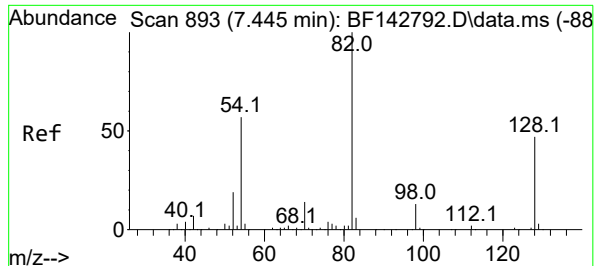
Tgt Ion: 99 Resp: 269543
Ion Ratio Lower Upper
99 100
42 18.3 15.9 23.9
71 34.7 27.8 41.8



#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.157 min Scan# 1014
Delta R.T. -0.012 min
Lab File: BF143044.D
Acq: 08 Jul 2025 20:42

Tgt Ion: 136 Resp: 202963
Ion Ratio Lower Upper
136 100
137 10.6 8.4 12.6
54 7.6 6.3 9.5
68 4.0 3.7 5.5





#23

Nitrobenzene-d5

Concen: 43.997 ng

RT: 7.434 min Scan# 891

Delta R.T. -0.011 min

Lab File: BF143044.D

Acq: 08 Jul 2025 20:42

Instrument :

BNA_F

ClientSampleId :

TP-103

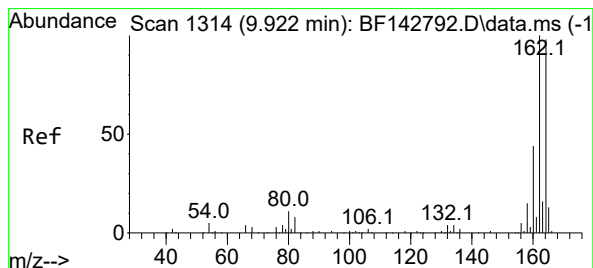
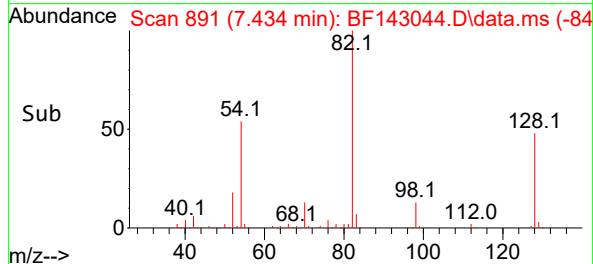
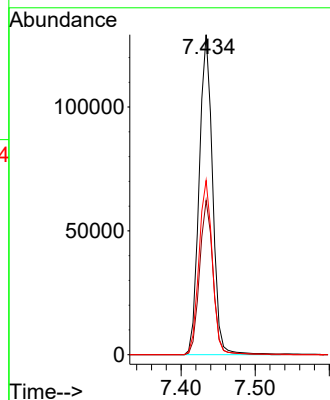
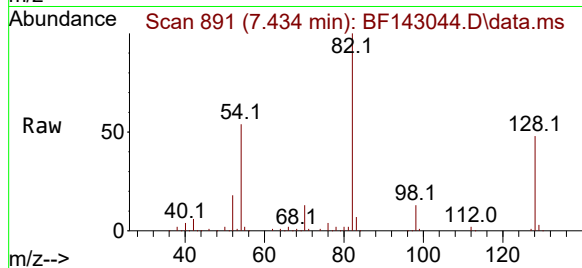
Tgt Ion: 82 Resp: 162801

Ion Ratio Lower Upper

82 100

128 48.2 37.7 56.5

54 54.4 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: BF143044.D

Acq: 08 Jul 2025 20:42

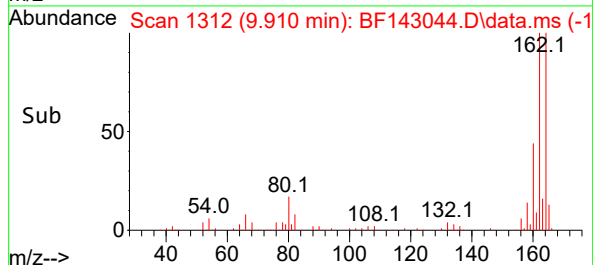
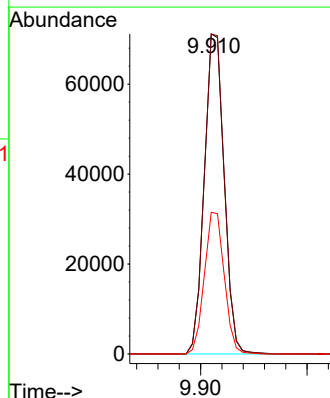
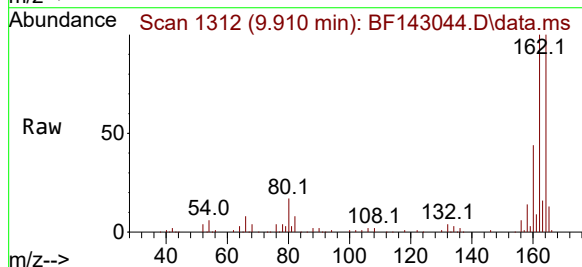
Tgt Ion:164 Resp: 92048

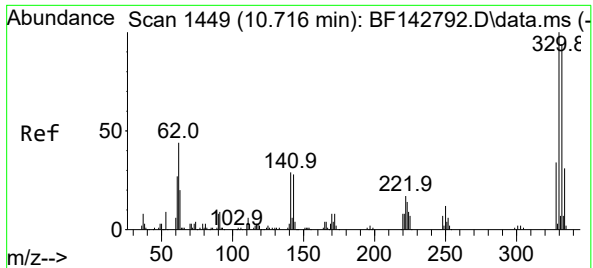
Ion Ratio Lower Upper

164 100

162 100.0 81.8 122.8

160 44.3 36.0 54.0





#42

2,4,6-Tribromophenol

Concen: 47.784 ng

RT: 10.704 min Scan# 1447

Delta R.T. -0.012 min

Lab File: BF143044.D

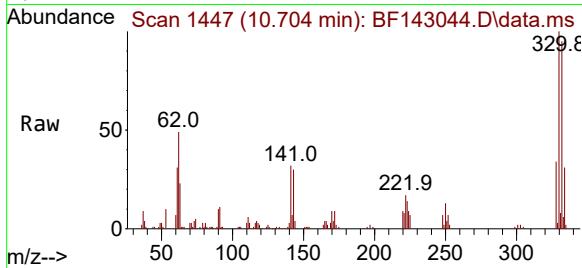
Acq: 08 Jul 2025 20:42

Instrument :

BNA_F

ClientSampleId :

TP-103



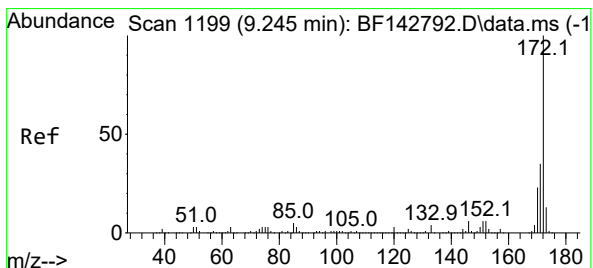
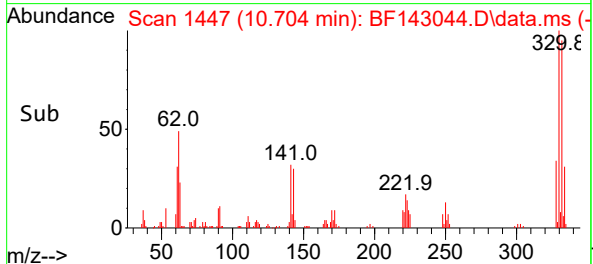
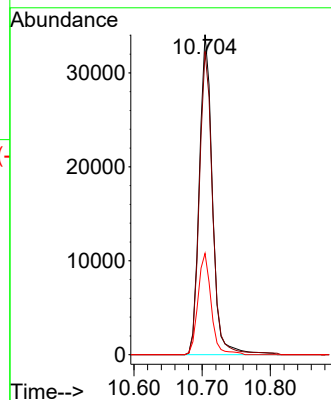
Tgt Ion:330 Resp: 45263

Ion Ratio Lower Upper

330 100

332 95.6 75.0 112.6

141 31.7 25.3 37.9



#45

2-Fluorobiphenyl

Concen: 46.494 ng

RT: 9.228 min Scan# 1196

Delta R.T. -0.017 min

Lab File: BF143044.D

Acq: 08 Jul 2025 20:42

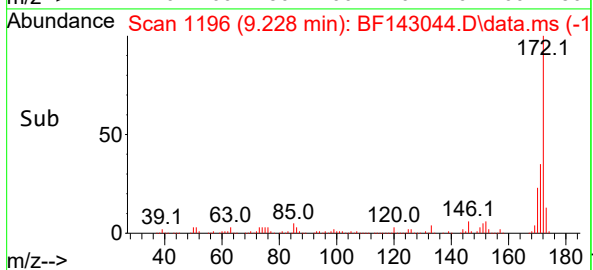
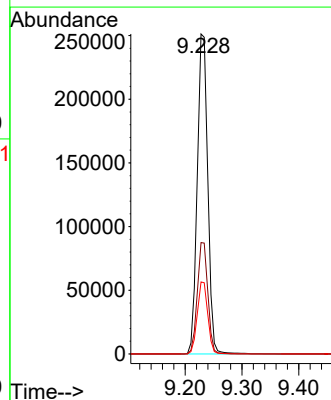
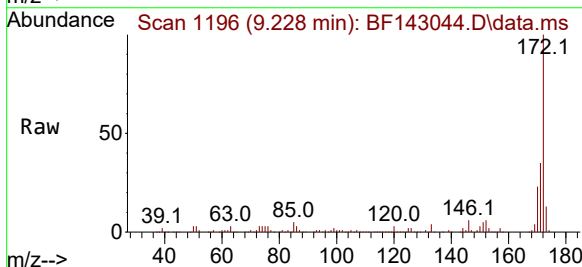
Tgt Ion:172 Resp: 325778

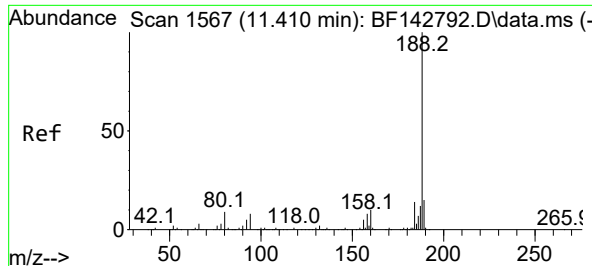
Ion Ratio Lower Upper

172 100

171 34.8 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: BF143044.D

Acq: 08 Jul 2025 20:42

Instrument :

BNA_F

ClientSampleId :

TP-103

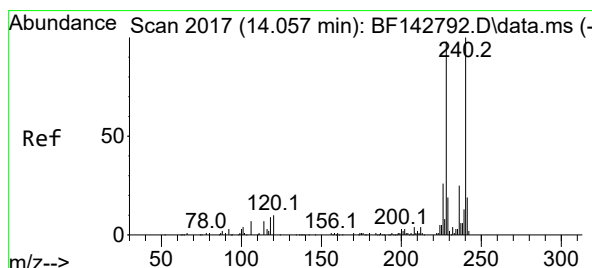
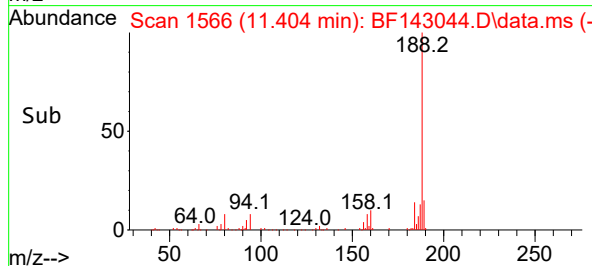
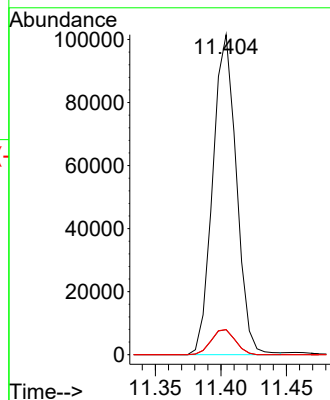
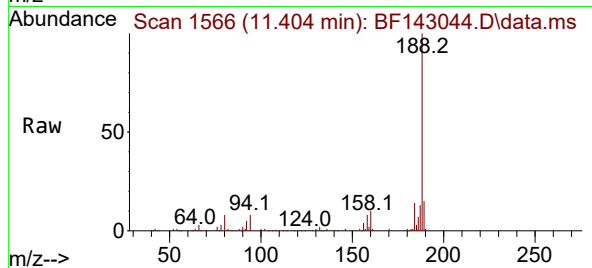
Tgt Ion:188 Resp: 127469

Ion Ratio Lower Upper

188 100

94 7.8 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: BF143044.D

Acq: 08 Jul 2025 20:42

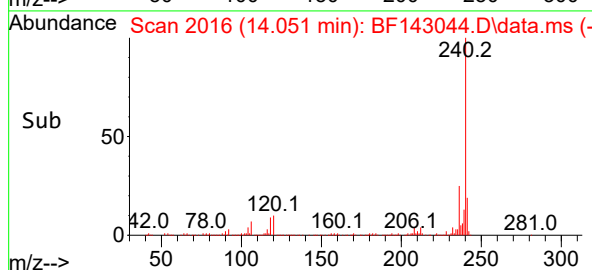
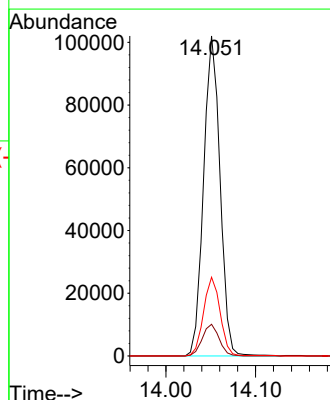
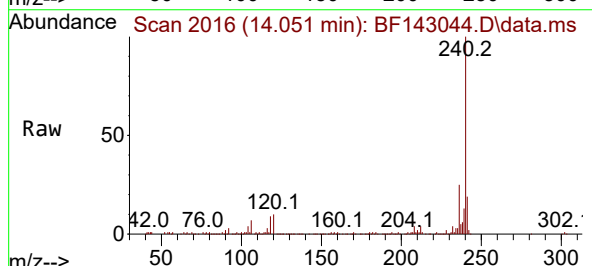
Tgt Ion:240 Resp: 129693

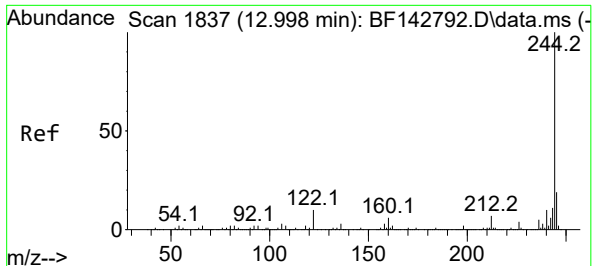
Ion Ratio Lower Upper

240 100

120 9.9 8.2 12.2

236 24.6 19.8 29.8





#79

Terphenyl-d14

Concen: 28.671 ng

RT: 12.986 min Scan# 1835

Delta R.T. -0.012 min

Lab File: BF143044.D

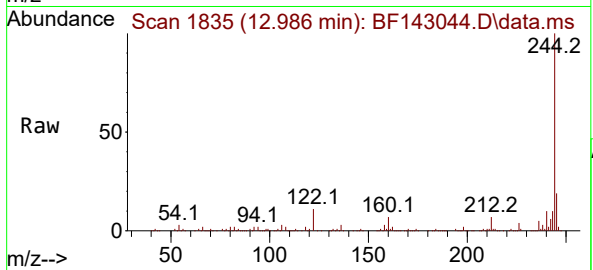
Acq: 08 Jul 2025 20:42

Instrument :

BNA_F

ClientSampleId :

TP-103



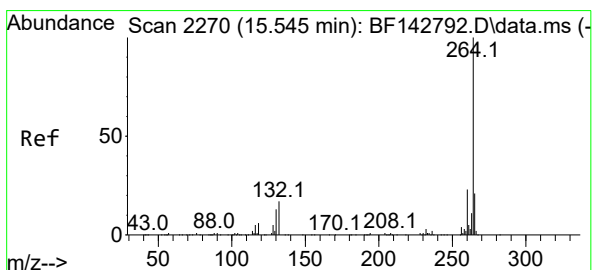
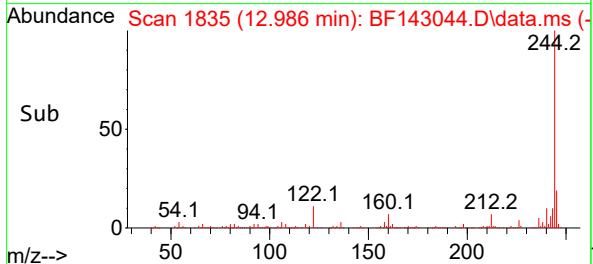
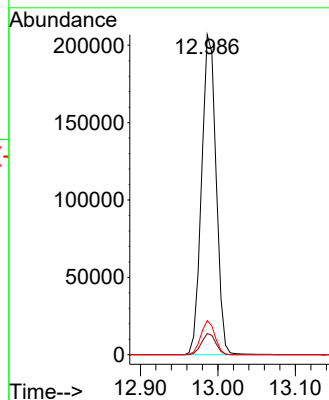
Tgt Ion:244 Resp: 269123

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: 15.545 min Scan# 2270

Delta R.T. 0.000 min

Lab File: BF143044.D

Acq: 08 Jul 2025 20:42

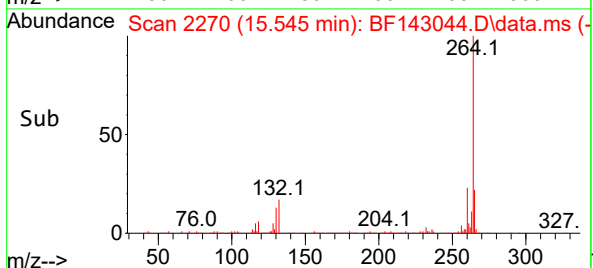
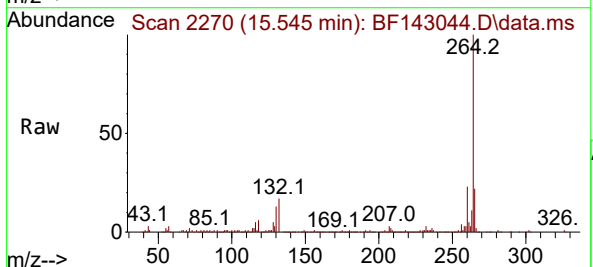
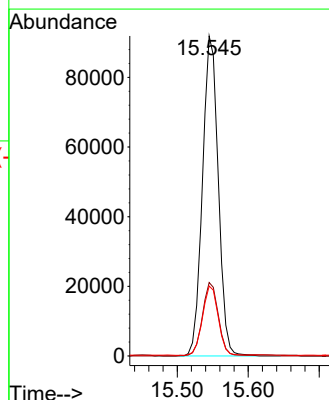
Tgt Ion:264 Resp: 142779

Ion Ratio Lower Upper

264 100

260 23.0 18.1 27.1

265 21.9 16.6 25.0



Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF070825\
 Data File : BF143044.D
 Acq On : 08 Jul 2025 20:42
 Operator : RC/JU
 Sample : Q2514-06
 Misc :
 ALS Vial : 21 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 TP-103

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: BF143044.D\data.ms

peak #	R.T. min	first scan	max scan	last scan	PK TY	peak height	corr. area	corr. % max.	% of total
1	5.081	485	491	499	rBV	58614	87524	9.77%	1.370%
2	5.493	556	561	577	rBV	560479	764631	85.36%	11.970%
3	6.504	727	733	761	rVB	568644	759119	84.74%	11.884%
4	6.869	790	795	804	rVB	253293	311963	34.83%	4.884%
5	7.434	886	891	907	rBV	389328	487378	54.41%	7.630%
6	8.157	1009	1014	1038	rBV	306249	386712	43.17%	6.054%
7	9.228	1191	1196	1207	rBV	703658	895801	100.00%	14.023%
8	9.910	1308	1312	1324	rVB	289709	371130	41.43%	5.810%
9	10.628	1429	1434	1442	rVB	63194	82880	9.25%	1.297%
10	10.704	1442	1447	1459	rBV	251807	324670	36.24%	5.083%
11	10.933	1482	1486	1493	rVB	15517	19538	2.18%	0.306%
12	11.404	1561	1566	1573	rBV	238687	298067	33.27%	4.666%
13	12.851	1807	1812	1819	rBV	8581	12808	1.43%	0.201%
14	12.986	1830	1835	1841	rBV	548317	700529	78.20%	10.967%
15	13.839	1976	1980	1983	rVV	9770	14639	1.63%	0.229%
16	13.886	1983	1988	1989	rVV2	22017	33541	3.74%	0.525%
17	13.910	1989	1992	1999	rVB	35461	56499	6.31%	0.884%
18	14.051	2011	2016	2025	rVB	272042	357568	39.92%	5.598%
19	14.204	2039	2042	2046	rBV5	6822	11164	1.25%	0.175%
20	15.545	2265	2270	2280	rVB	250190	388693	43.39%	6.085%
21	17.210	2548	2553	2560	rVB8	11220	23043	2.57%	0.361%

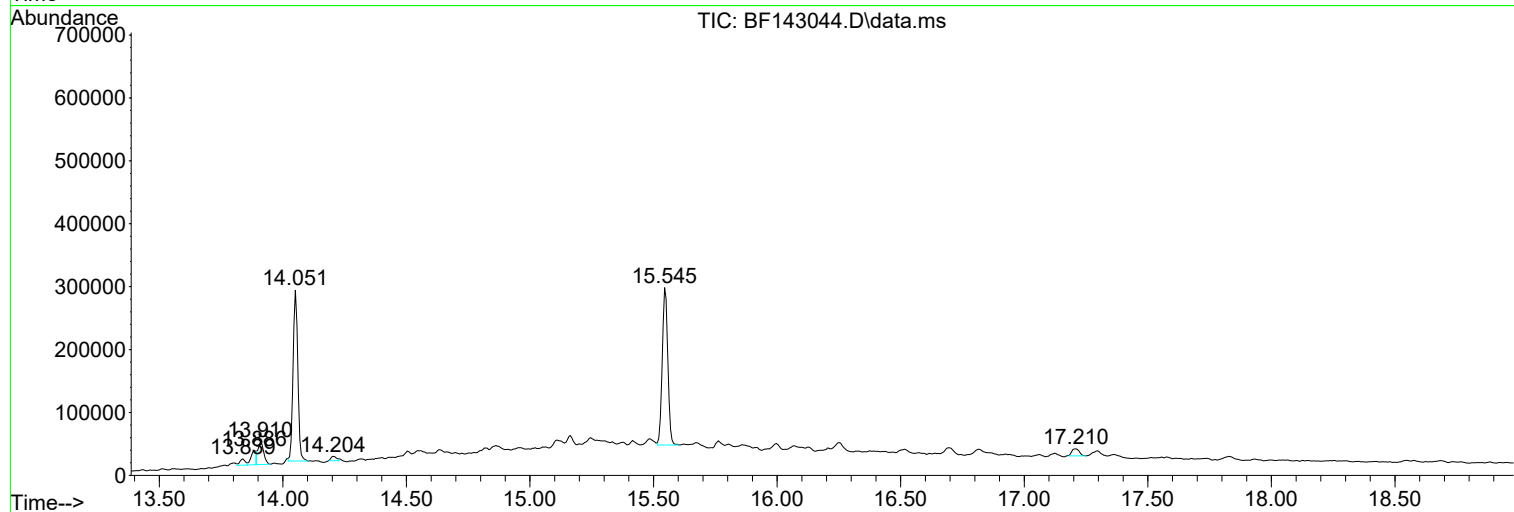
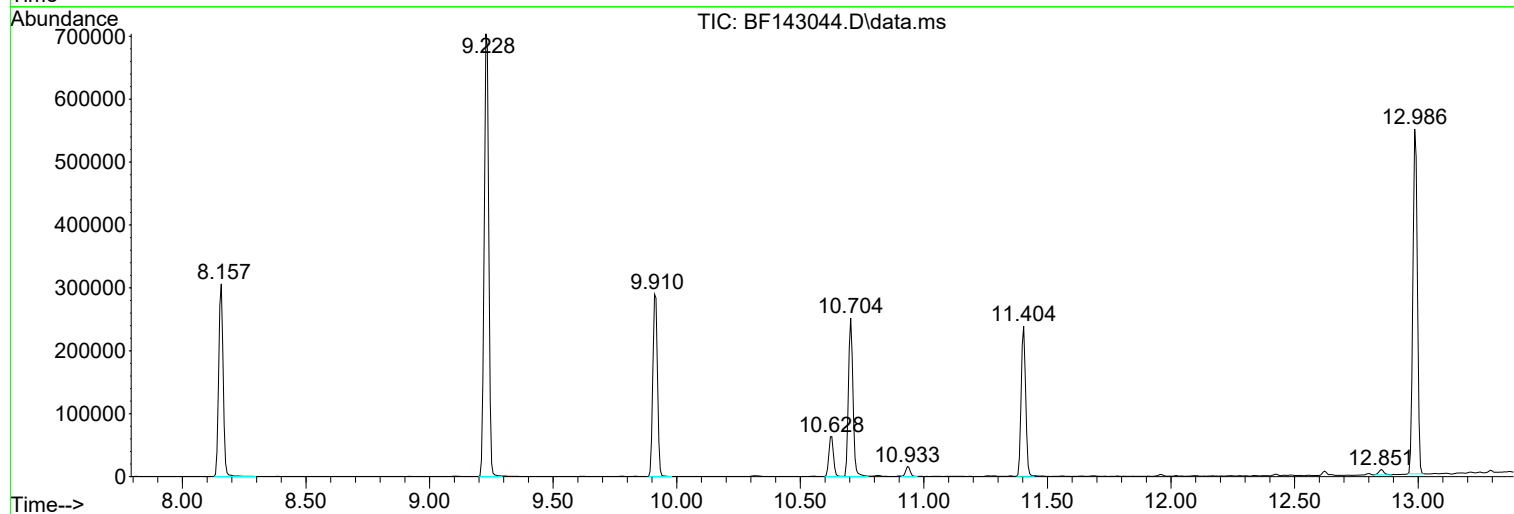
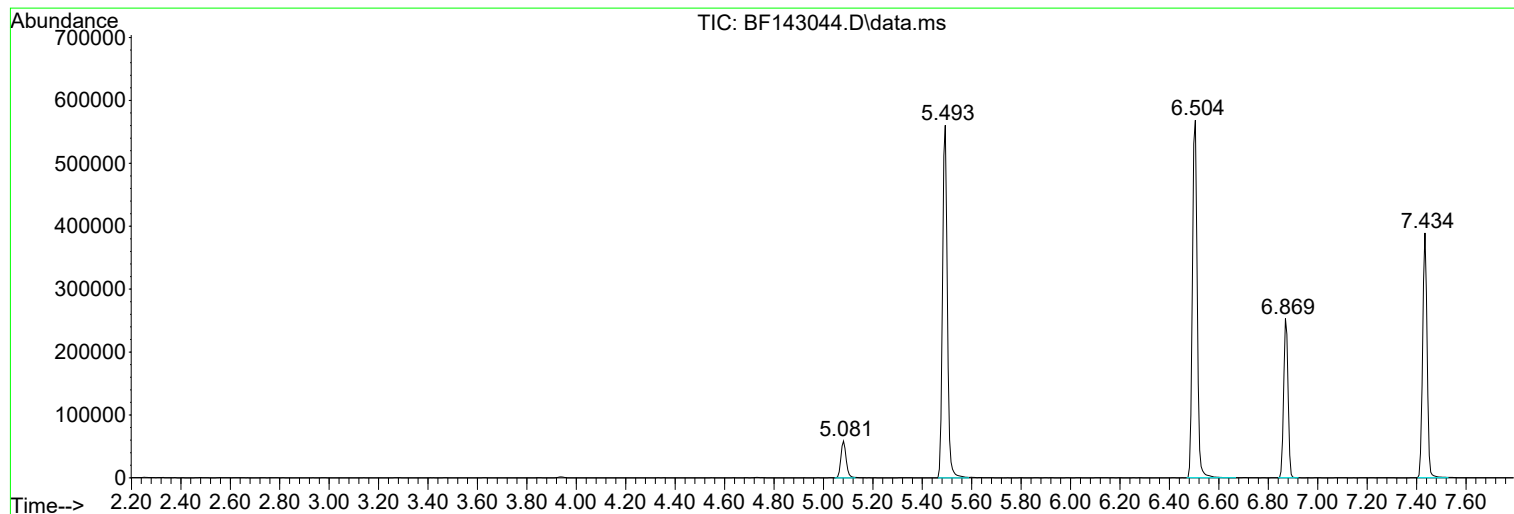
Sum of corrected areas: 6387897

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF070825\
Data File : BF143044.D
Acq On : 08 Jul 2025 20:42
Operator : RC/JU
Sample : Q2514-06
Misc :
ALS Vial : 21 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
TP-103

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\BF070825\
Data File : BF143044.D
Acq On : 08 Jul 2025 20:42
Operator : RC/JU
Sample : Q2514-06
Misc :
ALS Vial : 21 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
TP-103

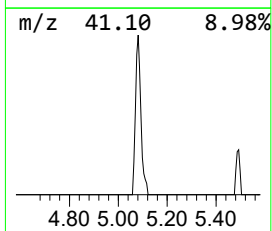
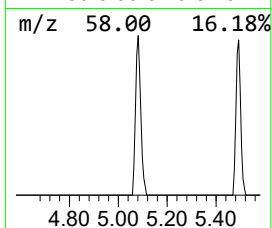
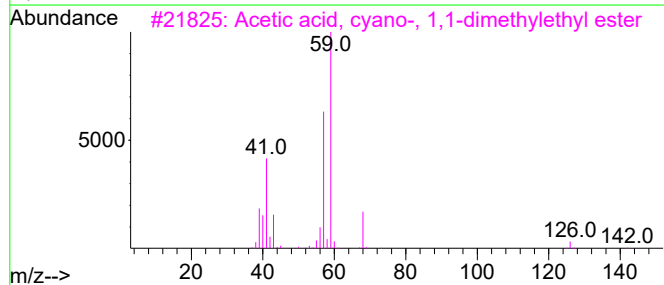
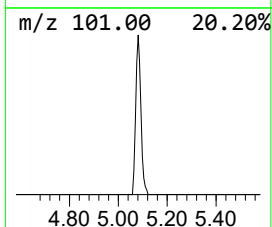
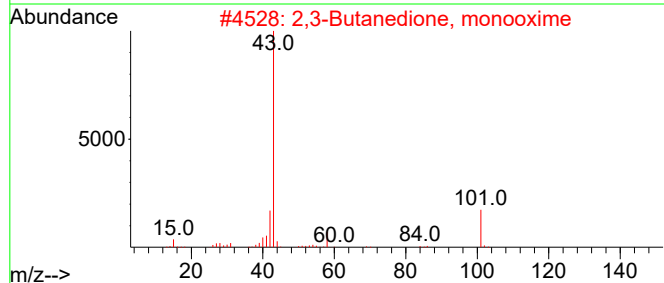
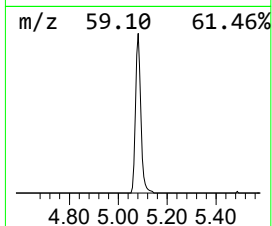
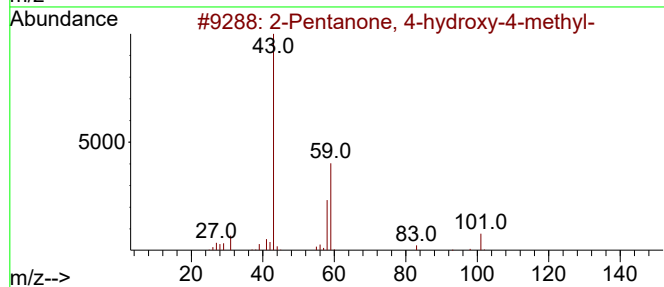
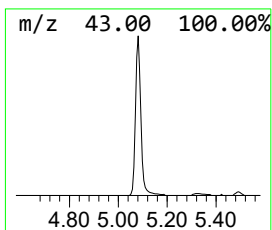
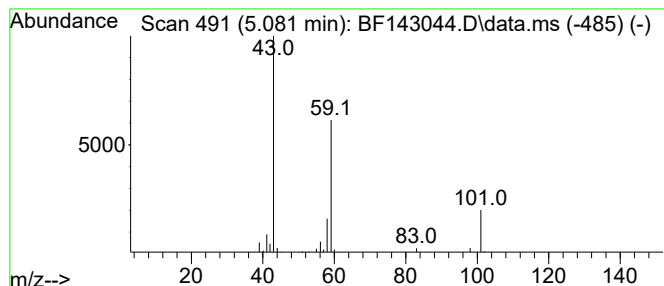
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF061925.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

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

R.T.	EstConc	Area	Relative to ISTD	R.T.
5.081	5.61 ng	87524	1,4-Dichlorobenzene-d4	6.869

Hit#	of	5	Tentative ID	MW	MolForm	CAS#	Qual
1	2-Pentanone, 4-hydroxy-4-methyl-	116	C6H12O2	000123-42-2	56		
2	2,3-Butanedione, monooxime	101	C4H7NO2	000057-71-6	25		
3	Acetic acid, cyano-, 1,1-dimethy...	141	C7H11NO2	001116-98-9	17		
4	1-Propen-2-ol, acetate	100	C5H8O2	000108-22-5	10		
5	Morpholine, 4-methyl-	101	C5H11NO	000109-02-4	9		



Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF070825\
Data File : BF143044.D
Acq On : 08 Jul 2025 20:42
Operator : RC/JU
Sample : Q2514-06
Misc :
ALS Vial : 21 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
TP-103

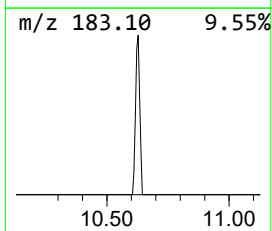
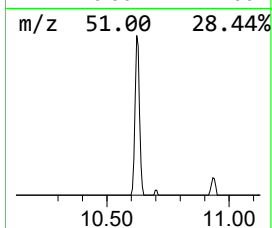
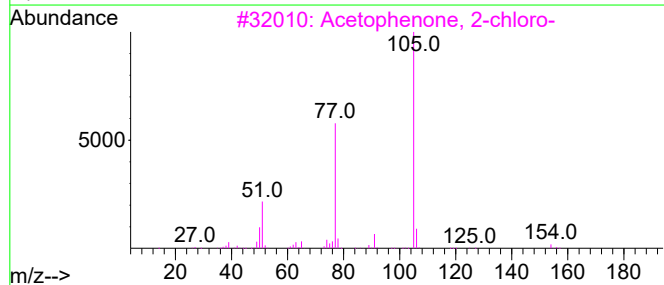
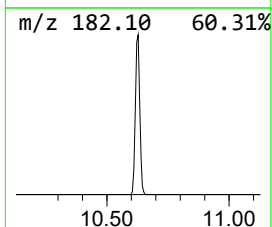
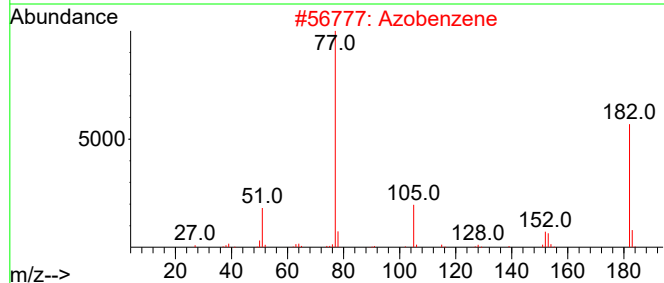
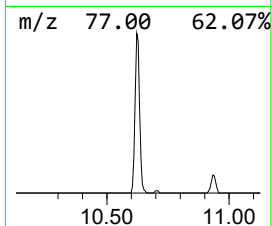
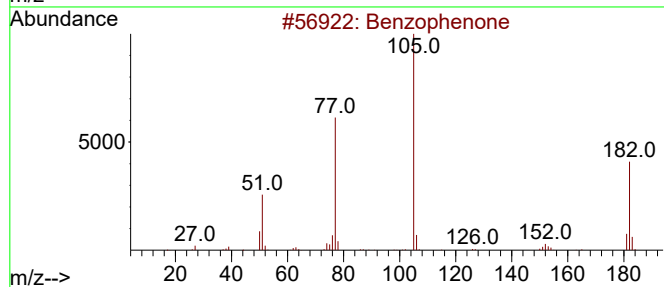
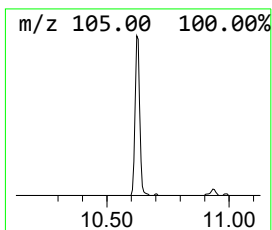
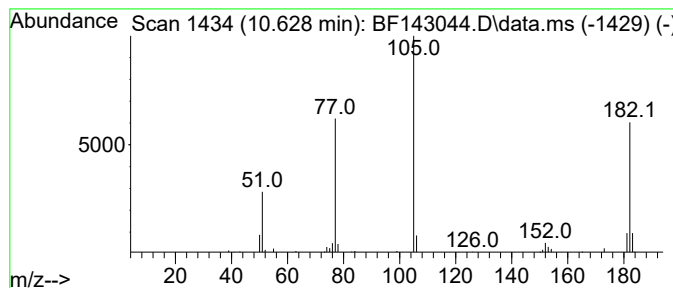
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF061925.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 2 Benzophenone Concentration Rank 2

R.T.	EstConc	Area	Relative to ISTD	R.T.
10.628	4.47 ng	82880	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	47
3		Acetophenone, 2-chloro-	154	C8H7ClO	000532-27-4	43
4		Benzoyl isothiocyanate	163	C8H5NOS	000532-55-8	43
5		Benzenepropanenitrile, .beta.-oxo-	145	C9H7NO	000614-16-4	43



Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF070825\
Data File : BF143044.D
Acq On : 08 Jul 2025 20:42
Operator : RC/JU
Sample : Q2514-06
Misc :
ALS Vial : 21 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
TP-103

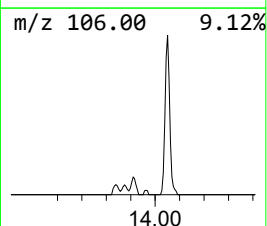
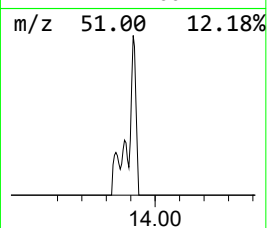
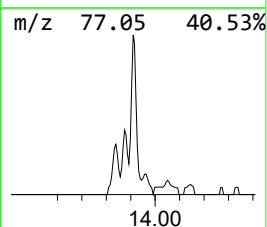
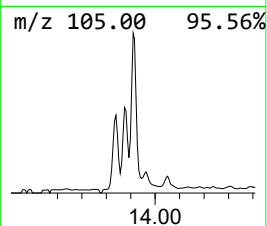
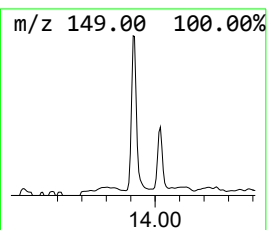
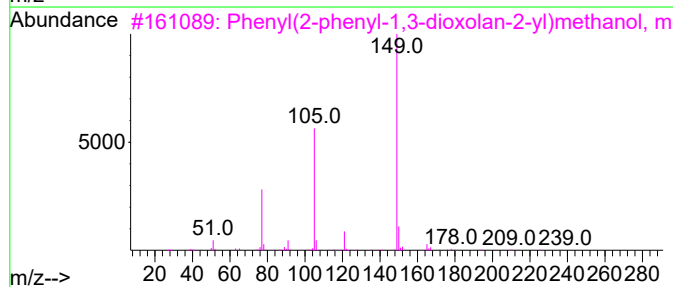
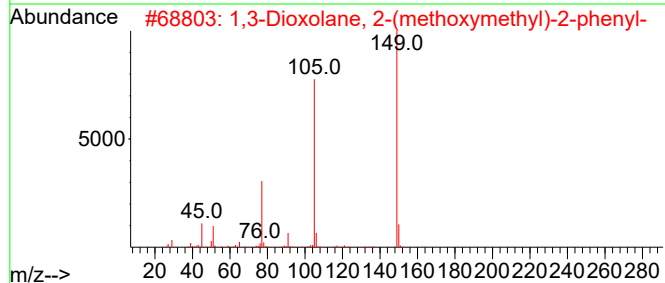
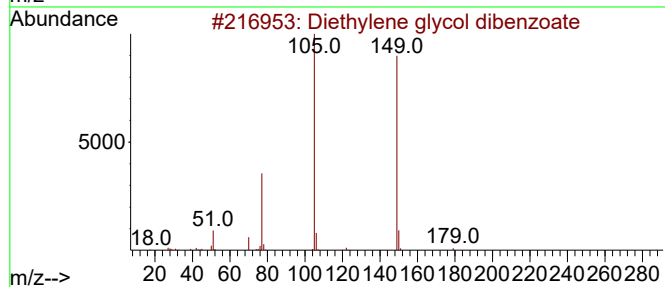
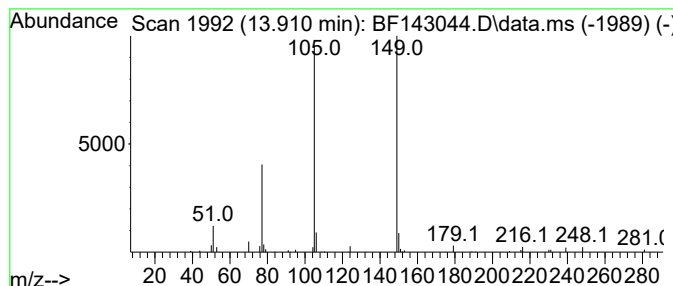
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF061925.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 3 Diethylene glycol dibenzoate Concentration Rank 3

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.910	3.16 ng	56499	Chrysene-d12	14.051

Hit#	of	5	Tentative ID	MW	MolForm	CAS#	Qual
1			Diethylene glycol dibenzoate	314	C18H18O5	000120-55-8	83
2			1,3-Dioxolane, 2-(methoxymethyl)...	194	C11H14O3	1000156-71-2	78
3			Phenyl(2-phenyl-1,3-dioxolan-2-yl)...	270	C17H18O3	1000507-07-6	78
4			Phenyl(2-phenyl-1,3-dioxolan-2-yl)...	256	C16H16O3	005694-69-9	78
5			Benzoic acid, 2-(2-chlorophenoxy)...	276	C15H13ClO3	1000368-25-9	72



Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF070825\
Data File : BF143044.D
Acq On : 08 Jul 2025 20:42
Operator : RC/JU
Sample : Q2514-06
Misc :
ALS Vial : 21 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
TP-103

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

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

TIC Top Hit name	RT	EstConc	Units	Response	--Internal Standard--			
					#	RT	Resp	Conc
2-Pentanone, 4-...	5.081	5.6	ng	87524	1	6.869	311963	20.0
Benzophenone	10.628	4.5	ng	82880	3	9.910	371130	20.0
Diethylene glyc...	13.910	3.2	ng	56499	5	14.051	357568	20.0

Report of Analysis

Client:	CDM Smith	Date Collected:	07/03/25
Project:	South River WM Replacement	Date Received:	07/03/25
Client Sample ID:	TP-36	SDG No.:	Q2514
Lab Sample ID:	Q2514-07	Matrix:	SOIL
Analytical Method:	8270E	% Solid:	90.3
Sample Wt/Vol:	30.06 Units: g	Final Vol:	1000 uL
Soil Aliquot Vol:	uL	Test:	SVOC-TCL BNA -20
Extraction Type :	Decanted : N	Level :	LOW
Injection Volume :	GPC Factor : 1.0	GPC Cleanup :	N PH :
Prep Method :	SW3541		

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
BF143030.D	1	07/07/25 09:00	07/08/25 13:31	PB168737

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units(Dry Weight)
TARGETS						
100-52-7	Benzaldehyde	170	U	170	360	ug/Kg
108-95-2	Phenol	24.4	U	24.4	190	ug/Kg
111-44-4	bis(2-Chloroethyl)ether	26.9	U	26.9	190	ug/Kg
95-57-8	2-Chlorophenol	27.0	U	27.0	190	ug/Kg
95-48-7	2-Methylphenol	33.0	U	33.0	190	ug/Kg
108-60-1	2,2-oxybis(1-Chloropropane)	41.4	U	41.4	190	ug/Kg
98-86-2	Acetophenone	32.6	U	32.6	190	ug/Kg
65794-96-9	3+4-Methylphenols	45.4	U	45.4	360	ug/Kg
621-64-7	n-Nitroso-di-n-propylamine	52.4	U	52.4	88.4	ug/Kg
67-72-1	Hexachloroethane	19.5	U	19.5	190	ug/Kg
98-95-3	Nitrobenzene	20.2	U	20.2	190	ug/Kg
78-59-1	Isophorone	36.3	U	36.3	190	ug/Kg
88-75-5	2-Nitrophenol	64.3	U	64.3	190	ug/Kg
105-67-9	2,4-Dimethylphenol	71.6	U	71.6	190	ug/Kg
111-91-1	bis(2-Chloroethoxy)methane	34.0	U	34.0	190	ug/Kg
120-83-2	2,4-Dichlorophenol	31.3	U	31.3	190	ug/Kg
91-20-3	Naphthalene	25.1	U	25.1	190	ug/Kg
106-47-8	4-Chloroaniline	39.1	U	39.1	190	ug/Kg
87-68-3	Hexachlorobutadiene	28.0	U	28.0	190	ug/Kg
105-60-2	Caprolactam	57.6	U	57.6	360	ug/Kg
59-50-7	4-Chloro-3-methylphenol	31.7	U	31.7	190	ug/Kg
91-57-6	2-Methylnaphthalene	28.3	U	28.3	190	ug/Kg
77-47-4	Hexachlorocyclopentadiene	130	U	130	360	ug/Kg
88-06-2	2,4,6-Trichlorophenol	21.9	U	21.9	190	ug/Kg
95-95-4	2,4,5-Trichlorophenol	32.2	U	32.2	190	ug/Kg
92-52-4	1,1-Biphenyl	24.1	U	24.1	190	ug/Kg
91-58-7	2-Chloronaphthalene	24.9	U	24.9	190	ug/Kg
88-74-4	2-Nitroaniline	53.2	U	53.2	190	ug/Kg
131-11-3	Dimethylphthalate	30.0	U	30.0	190	ug/Kg

Report of Analysis

Client:	CDM Smith	Date Collected:	07/03/25
Project:	South River WM Replacement	Date Received:	07/03/25
Client Sample ID:	TP-36	SDG No.:	Q2514
Lab Sample ID:	Q2514-07	Matrix:	SOIL
Analytical Method:	8270E	% Solid:	90.3
Sample Wt/Vol:	30.06	Units:	g
Soil Aliquot Vol:			uL
Extraction Type :		Decanted :	N
Injection Volume :		Level :	LOW
		GPC Factor :	1.0
		GPC Cleanup :	N
		PH :	
Prep Method :	SW3541		

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
BF143030.D	1	07/07/25 09:00	07/08/25 13:31	PB168737

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units(Dry Weight)
208-96-8	Acenaphthylene	31.9	U	31.9	190	ug/Kg
606-20-2	2,6-Dinitrotoluene	37.1	U	37.1	190	ug/Kg
99-09-2	3-Nitroaniline	50.8	U	50.8	190	ug/Kg
83-32-9	Acenaphthene	23.5	U	23.5	190	ug/Kg
51-28-5	2,4-Dinitrophenol	250	U	250	360	ug/Kg
100-02-7	4-Nitrophenol	120	U	120	360	ug/Kg
132-64-9	Dibenzofuran	25.1	U	25.1	190	ug/Kg
121-14-2	2,4-Dinitrotoluene	55.4	U	55.4	190	ug/Kg
84-66-2	Diethylphthalate	31.3	U	31.3	190	ug/Kg
7005-72-3	4-Chlorophenyl-phenylether	29.5	U	29.5	190	ug/Kg
86-73-7	Fluorene	28.0	U	28.0	190	ug/Kg
100-01-6	4-Nitroaniline	71.0	U	71.0	190	ug/Kg
534-52-1	4,6-Dinitro-2-methylphenol	110	U	110	360	ug/Kg
86-30-6	n-Nitrosodiphenylamine	36.4	U	36.4	190	ug/Kg
101-55-3	4-Bromophenyl-phenylether	30.7	U	30.7	190	ug/Kg
118-74-1	Hexachlorobenzene	28.0	U	28.0	190	ug/Kg
1912-24-9	Atrazine	37.6	U	37.6	190	ug/Kg
87-86-5	Pentachlorophenol	56.7	U	56.7	360	ug/Kg
85-01-8	Phenanthrene	23.1	U	23.1	190	ug/Kg
120-12-7	Anthracene	36.8	U	36.8	190	ug/Kg
86-74-8	Carbazole	34.5	U	34.5	190	ug/Kg
84-74-2	Di-n-butylphthalate	52.9	U	52.9	190	ug/Kg
206-44-0	Fluoranthene	33.2	U	33.2	190	ug/Kg
129-00-0	Pyrene	39.8	U	39.8	190	ug/Kg
85-68-7	Butylbenzylphthalate	78.9	U	78.9	190	ug/Kg
91-94-1	3,3-Dichlorobenzidine	40.6	U	40.6	360	ug/Kg
56-55-3	Benzo(a)anthracene	25.4	U	25.4	190	ug/Kg
218-01-9	Chrysene	22.0	U	22.0	190	ug/Kg
117-81-7	Bis(2-ethylhexyl)phthalate	65.4	U	65.4	190	ug/Kg
117-84-0	Di-n-octyl phthalate	95.9	U	95.9	360	ug/Kg
205-99-2	Benzo(b)fluoranthene	21.0	U	21.0	190	ug/Kg

Report of Analysis

Client:	CDM Smith	Date Collected:	07/03/25
Project:	South River WM Replacement	Date Received:	07/03/25
Client Sample ID:	TP-36	SDG No.:	Q2514
Lab Sample ID:	Q2514-07	Matrix:	SOIL
Analytical Method:	8270E	% Solid:	90.3
Sample Wt/Vol:	30.06 Units: g	Final Vol:	1000 uL
Soil Aliquot Vol:	uL	Test:	SVOC-TCL BNA -20
Extraction Type :	Decanted : N	Level :	LOW
Injection Volume :	GPC Factor : 1.0	GPC Cleanup :	N PH :
Prep Method :	SW3541		

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
BF143030.D	1	07/07/25 09:00	07/08/25 13:31	PB168737

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units(Dry Weight)
207-08-9	Benzo(k)fluoranthene	24.8	U	24.8	190	ug/Kg
50-32-8	Benzo(a)pyrene	32.6	U	32.6	190	ug/Kg
193-39-5	Indeno(1,2,3-cd)pyrene	32.2	U	32.2	190	ug/Kg
53-70-3	Dibenzo(a,h)anthracene	30.3	U	30.3	190	ug/Kg
191-24-2	Benzo(g,h,i)perylene	28.4	U	28.4	190	ug/Kg
95-94-3	1,2,4,5-Tetrachlorobenzene	28.3	U	28.3	190	ug/Kg
123-91-1	1,4-Dioxane	50.0	U	50.0	190	ug/Kg
58-90-2	2,3,4,6-Tetrachlorophenol	30.3	U	30.3	190	ug/Kg

SURROGATES

367-12-4	2-Fluorophenol	78.2		18 - 112	52%	SPK: 150
13127-88-3	Phenol-d6	79.8		15 - 107	53%	SPK: 150
4165-60-0	Nitrobenzene-d5	50.7		18 - 107	51%	SPK: 100
321-60-8	2-Fluorobiphenyl	52.4		20 - 109	52%	SPK: 100
118-79-6	2,4,6-Tribromophenol	56.2		10 - 116	37%	SPK: 150
1718-51-0	Terphenyl-d14	40.6		10 - 105	41%	SPK: 100

INTERNAL STANDARDS

3855-82-1	1,4-Dichlorobenzene-d4	51600	6.875
1146-65-2	Naphthalene-d8	192000	8.157
15067-26-2	Acenaphthene-d10	97400	9.916
1517-22-2	Phenanthrene-d10	146000	11.404
1719-03-5	Chrysene-d12	94000	14.057
1520-96-3	Perylene-d12	120000	15.551

TENTATIVE IDENTIFIED COMPOUNDS

000123-42-2	2-Pentanone, 4-hydroxy-4-methyl-	200	AB	5.09	ug/Kg
000119-61-9	Benzophenone	270	J	10.6	ug/Kg
000057-10-3	n-Hexadecanoic acid	1400	J	11.9	ug/Kg
000629-94-7	Heneicosane	540	J	12.5	ug/Kg
000057-11-4	Octadecanoic acid	2000	J	12.7	ug/Kg
000593-49-7	Heptacosane	2100	J	13.2	ug/Kg
000630-02-4	Octacosane	4400	J	13.8	ug/Kg

Report of Analysis

Client:	CDM Smith	Date Collected:	07/03/25
Project:	South River WM Replacement	Date Received:	07/03/25
Client Sample ID:	TP-36	SDG No.:	Q2514
Lab Sample ID:	Q2514-07	Matrix:	SOIL
Analytical Method:	8270E	% Solid:	90.3
Sample Wt/Vol:	30.06 Units: g	Final Vol:	1000 uL
Soil Aliquot Vol:	uL	Test:	SVOC-TCL BNA -20
Extraction Type :	Decanted : N	Level :	LOW
Injection Volume :	GPC Factor : 1.0	GPC Cleanup :	N PH :
Prep Method :	SW3541		

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
BF143030.D	1	07/07/25 09:00	07/08/25 13:31	PB168737

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units(Dry Weight)
036653-82-4	1-Hexadecanol	200	J		13.9	ug/Kg
000112-95-8	Eicosane	6300	J		14.3	ug/Kg
000630-04-6	Hentriacontane	200	JB		14.5	ug/Kg
1000406-04-8	Pentadecafluorooctanoic acid, octa	580	J		14.7	ug/Kg
000646-31-1	Tetracosane	8000	J		14.8	ug/Kg
001928-30-9	Tricosane, 2-methyl-	130	J		15.1	ug/Kg
001560-98-1	Octacosane, 2-methyl-	310	J		15.2	ug/Kg
000630-01-3	Hexacosane	3800	J		15.3	ug/Kg
005303-25-3	Octadecanoic acid, dodecyl ester	630	J		15.7	ug/Kg
000629-99-2	Pentacosane	2400	J		15.9	ug/Kg
007098-22-8	Tetratetracontane	140	J		16.0	ug/Kg
055429-84-0	Tetracosane, 11-decyl-	980	J		16.5	ug/Kg
	unknown17.256	330	J		17.3	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\BF070825\
Data File : BF143030.D
Acq On : 08 Jul 2025 13:31
Operator : RC/JU
Sample : Q2514-07
Misc :
ALS Vial : 7 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
TP-36

Quant Time: Jul 08 14:02:50 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF061925.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Tue Jun 24 05:28:21 2025
Response via : Initial Calibration

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

Internal Standards						
1) 1,4-Dichlorobenzene-d4	6.875	152	51623	20.000	ng	0.00
21) Naphthalene-d8	8.157	136	191789	20.000	ng	-0.01
39) Acenaphthene-d10	9.916	164	97372	20.000	ng	0.00
64) Phenanthrene-d10	11.404	188	145951	20.000	ng	0.00
76) Chrysene-d12	14.057	240	94013	20.000	ng	0.00
86) Perylene-d12	15.551	264	119996	20.000	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.492	112	242500	78.210	ng	0.00
7) Phenol-d6	6.504	99	291865	79.785	ng	0.00
23) Nitrobenzene-d5	7.434	82	177442	50.748	ng	-0.01
42) 2,4,6-Tribromophenol	10.710	330	56352	56.238	ng	0.00
45) 2-Fluorobiphenyl	9.233	172	388089	52.358	ng	-0.01
79) Terphenyl-d14	12.992	244	276181	40.590	ng	0.00

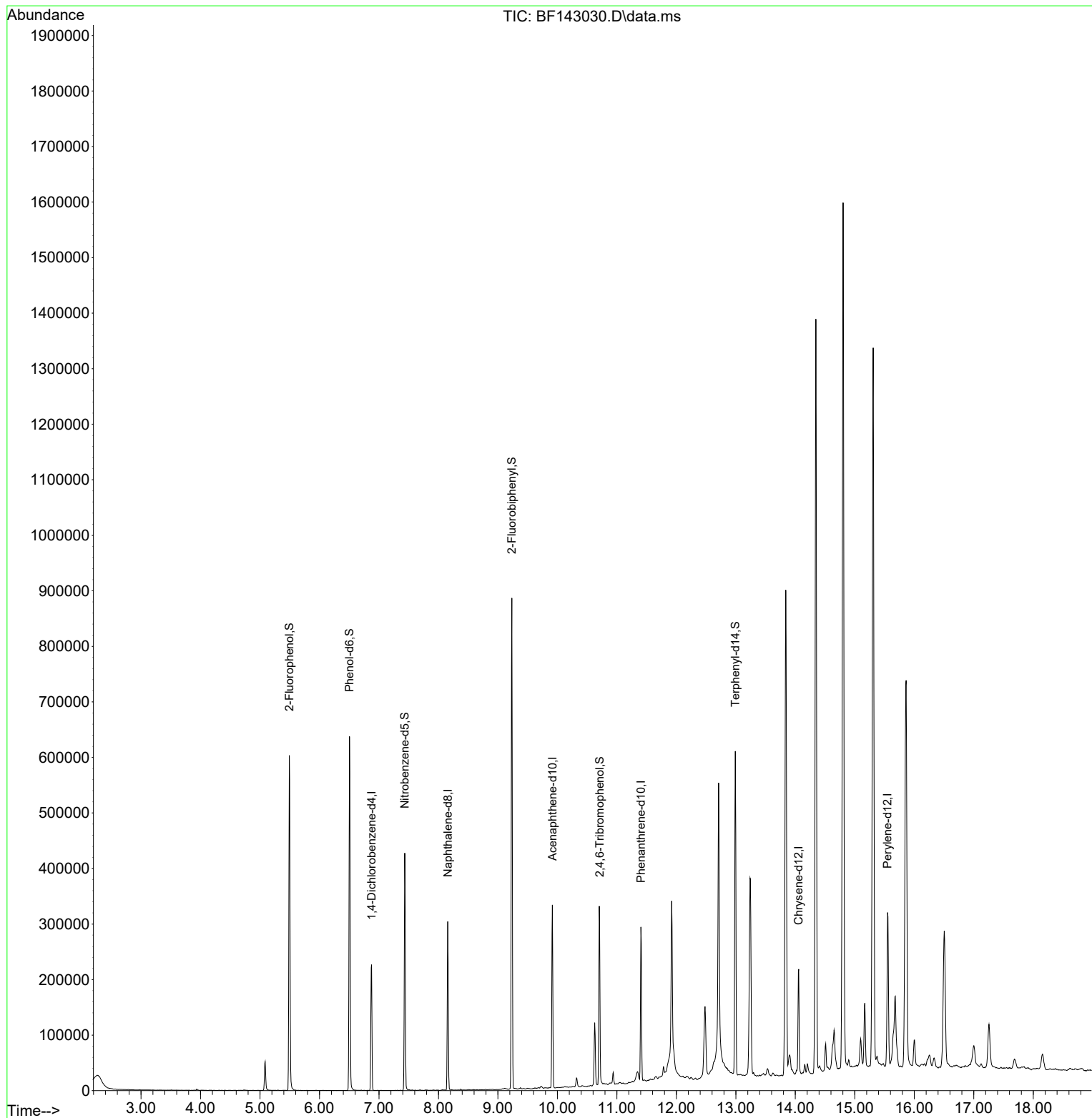
Target Compounds	Qvalue

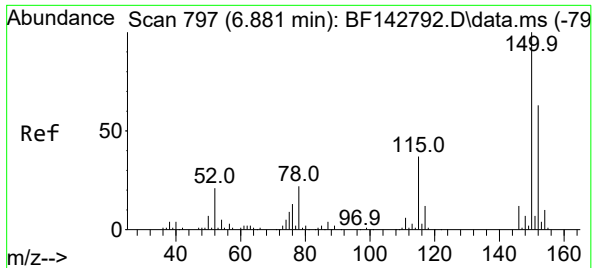
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF070825\
Data File : BF143030.D
Acq On : 08 Jul 2025 13:31
Operator : RC/JU
Sample : Q2514-07
Misc :
ALS Vial : 7 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
TP-36

Quant Time: Jul 08 14:02:50 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF061925.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Tue Jun 24 05:28:21 2025
Response via : Initial Calibration

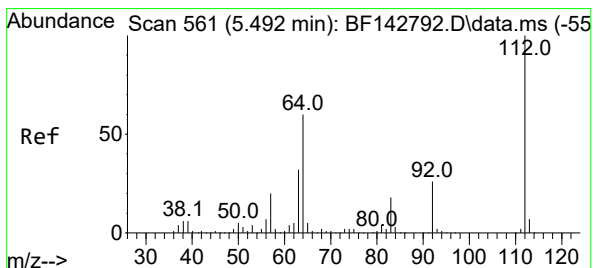
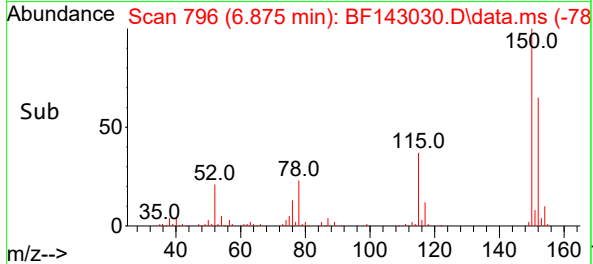
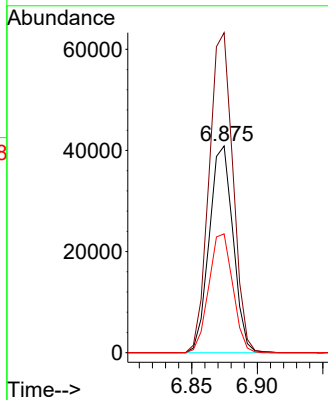
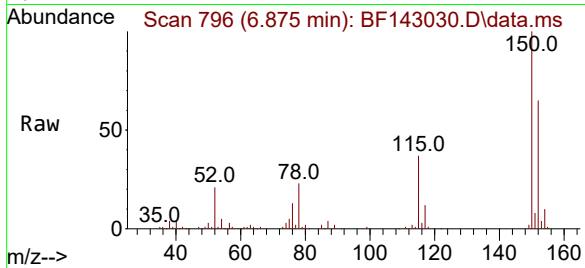




#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.875 min Scan# 797
Delta R.T. -0.006 min
Lab File: BF143030.D
Acq: 08 Jul 2025 13:31

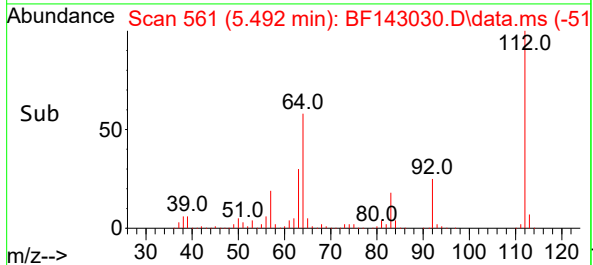
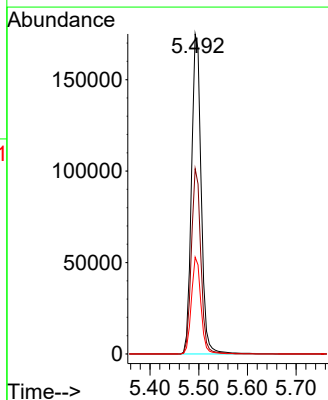
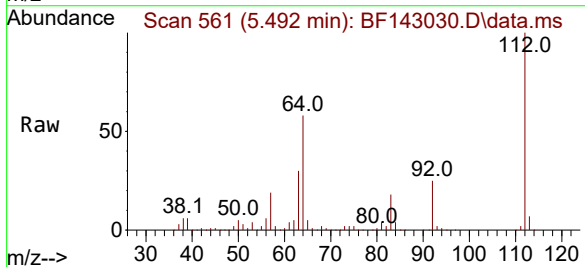
Instrument :
BNA_F
ClientSampleId :
TP-36

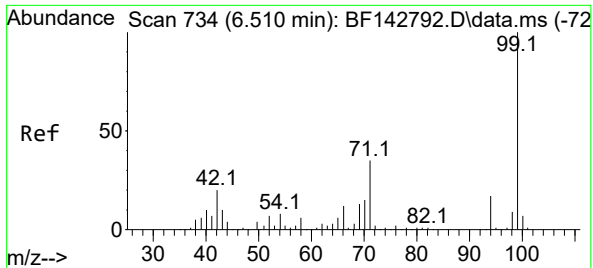
Tgt Ion:152 Resp: 51623
Ion Ratio Lower Upper
152 100
150 154.8 127.2 190.8
115 57.5 46.6 69.8



#5
2-Fluorophenol
Concen: 78.210 ng
RT: 5.492 min Scan# 561
Delta R.T. 0.000 min
Lab File: BF143030.D
Acq: 08 Jul 2025 13:31

Tgt Ion:112 Resp: 242500
Ion Ratio Lower Upper
112 100
64 57.9 48.2 72.2
63 30.2 25.7 38.5

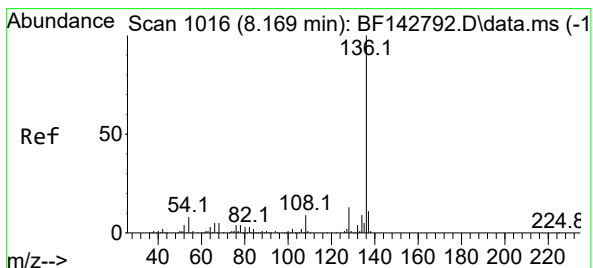
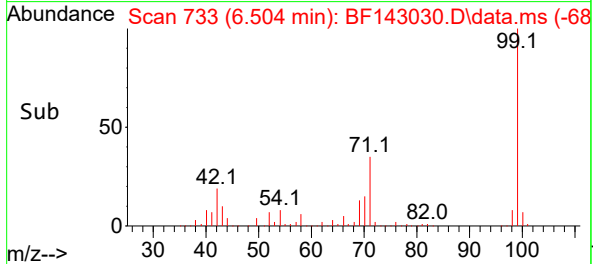
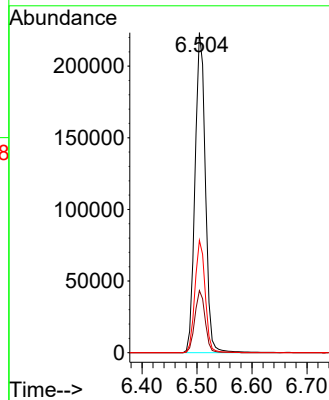
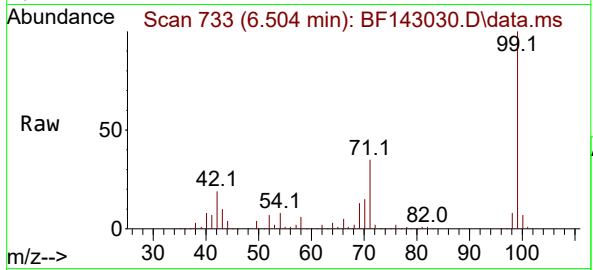




#7
Phenol-d6
Concen: 79.785 ng
RT: 6.504 min Scan# 71
Delta R.T. -0.006 min
Lab File: BF143030.D
Acq: 08 Jul 2025 13:31

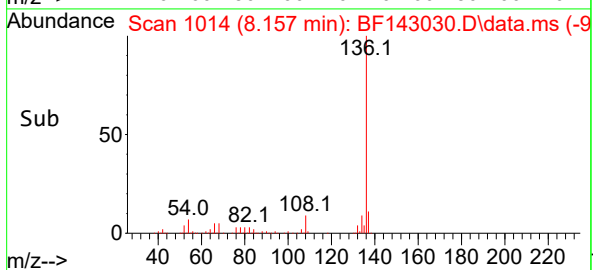
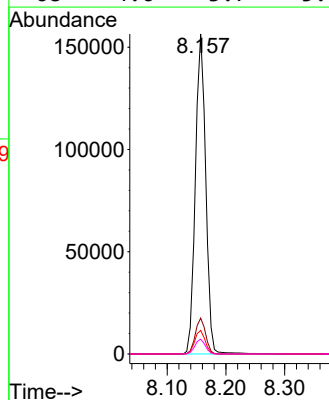
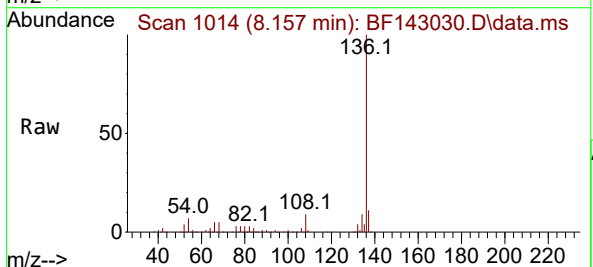
Instrument :
BNA_F
ClientSampleId :
TP-36

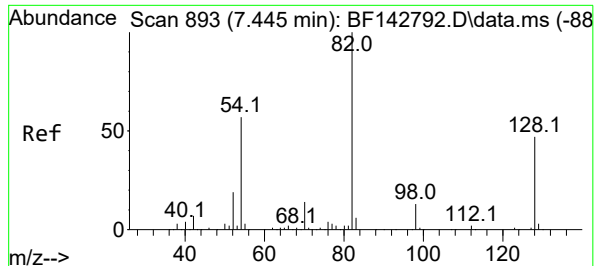
Tgt Ion: 99 Resp: 291865
Ion Ratio Lower Upper
99 100
42 19.4 15.9 23.9
71 35.1 27.8 41.8



#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.157 min Scan# 1014
Delta R.T. -0.012 min
Lab File: BF143030.D
Acq: 08 Jul 2025 13:31

Tgt Ion: 136 Resp: 191789
Ion Ratio Lower Upper
136 100
137 11.2 8.4 12.6
54 7.4 6.3 9.5
68 4.6 3.7 5.5





#23

Nitrobenzene-d5

Concen: 50.748 ng

RT: 7.434 min Scan# 891

Delta R.T. -0.011 min

Lab File: BF143030.D

Acq: 08 Jul 2025 13:31

Instrument :

BNA_F

ClientSampleId :

TP-36

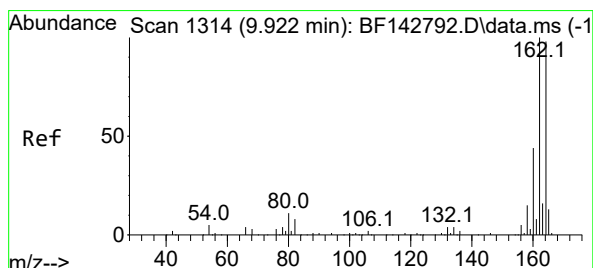
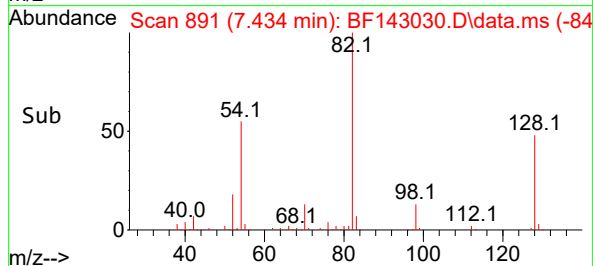
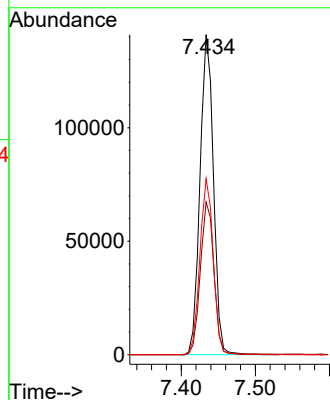
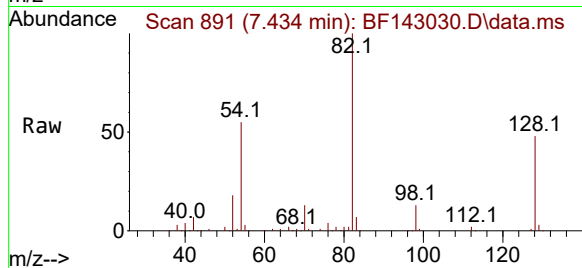
Tgt Ion: 82 Resp: 177442

Ion Ratio Lower Upper

82 100

128 47.7 37.7 56.5

54 55.0 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: BF143030.D

Acq: 08 Jul 2025 13:31

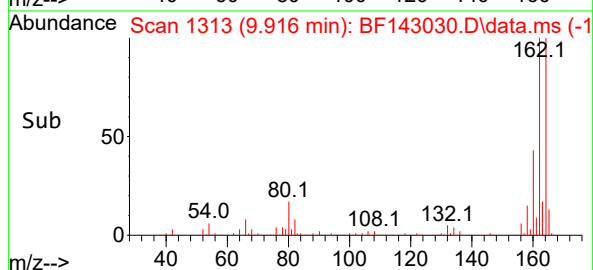
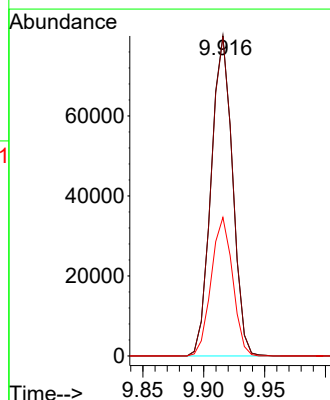
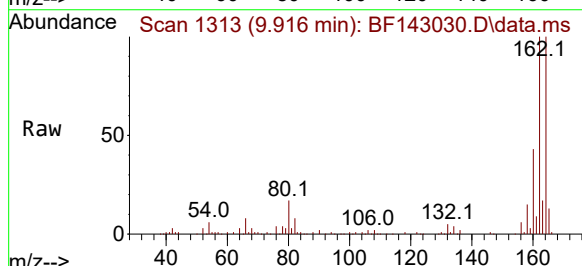
Tgt Ion:164 Resp: 97372

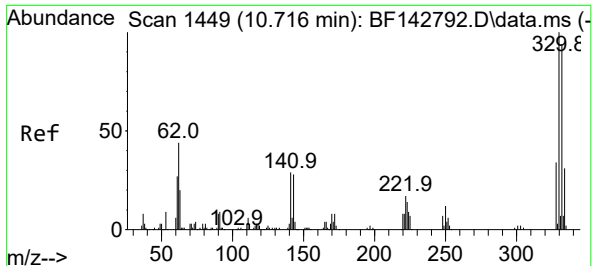
Ion Ratio Lower Upper

164 100

162 99.6 81.8 122.8

160 43.3 36.0 54.0





#42

2,4,6-Tribromophenol

Concen: 56.238 ng

RT: 10.710 min Scan# 1449

Delta R.T. -0.006 min

Lab File: BF143030.D

Acq: 08 Jul 2025 13:31

Instrument :

BNA_F

ClientSampleId :

TP-36

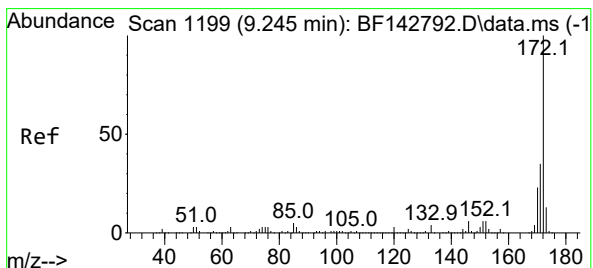
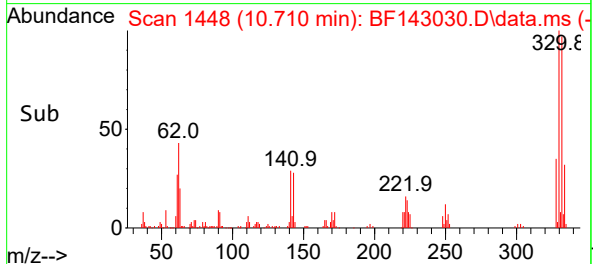
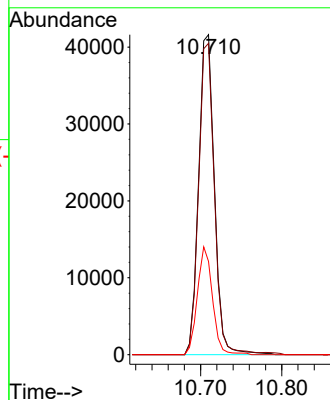
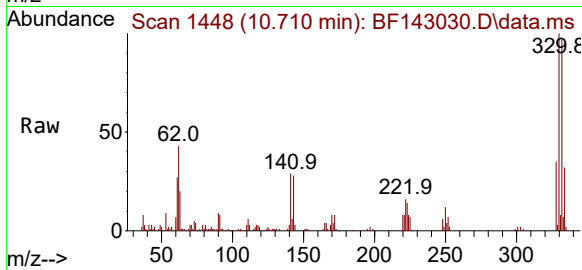
Tgt Ion:330 Resp: 56352

Ion Ratio Lower Upper

330 100

332 97.3 75.0 112.6

141 32.3 25.3 37.9



#45

2-Fluorobiphenyl

Concen: 52.358 ng

RT: 9.233 min Scan# 1197

Delta R.T. -0.012 min

Lab File: BF143030.D

Acq: 08 Jul 2025 13:31

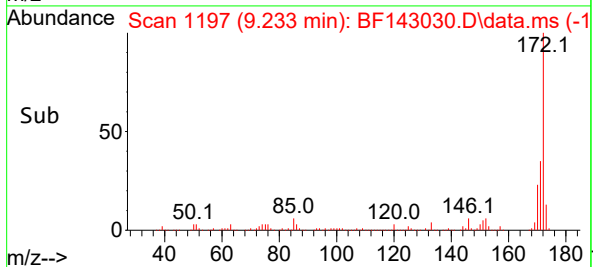
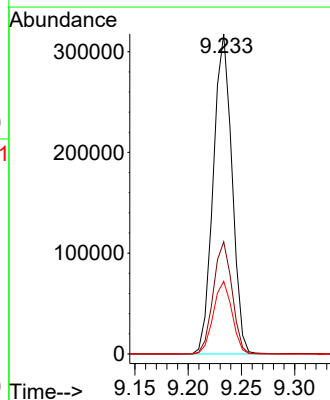
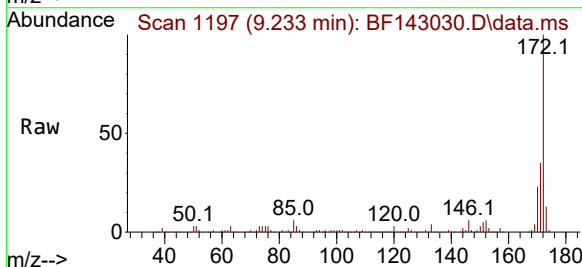
Tgt Ion:172 Resp: 388089

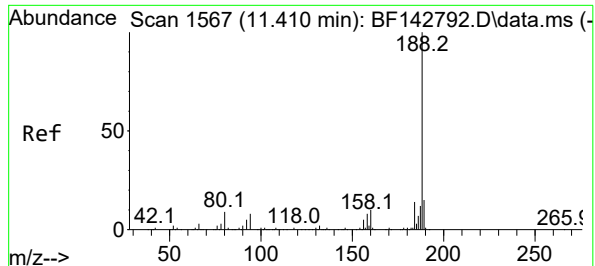
Ion Ratio Lower Upper

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# 1566

Delta R.T. -0.006 min

Lab File: BF143030.D

Acq: 08 Jul 2025 13:31

Instrument :

BNA_F

ClientSampleId :

TP-36

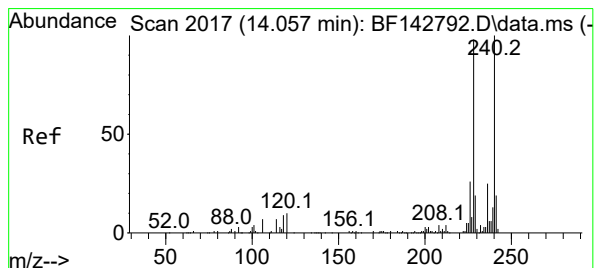
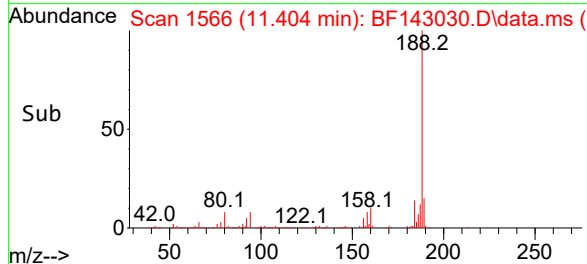
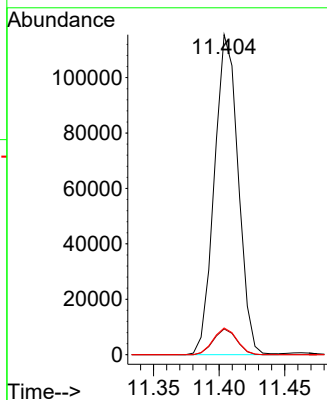
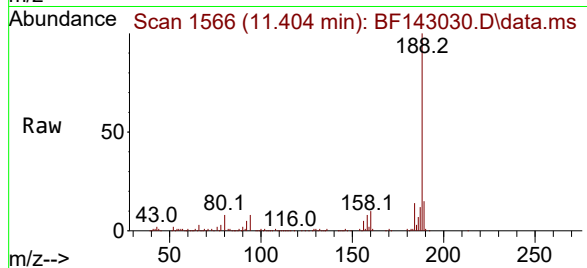
Tgt Ion:188 Resp: 145951

Ion Ratio Lower Upper

188 100

94 8.0 6.7 10.1

80 8.4 6.9 10.3



#76

Chrysene-d12

Concen: 20.000 ng

RT: 14.057 min Scan# 2017

Delta R.T. -0.000 min

Lab File: BF143030.D

Acq: 08 Jul 2025 13:31

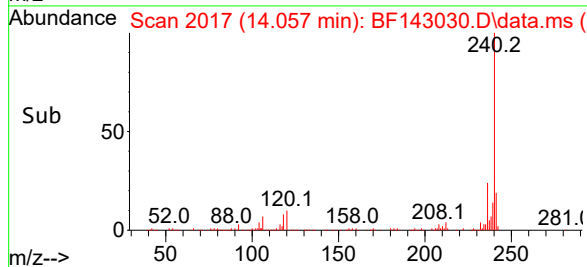
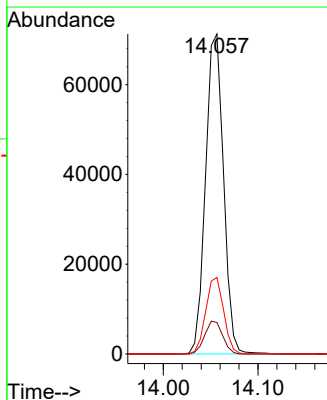
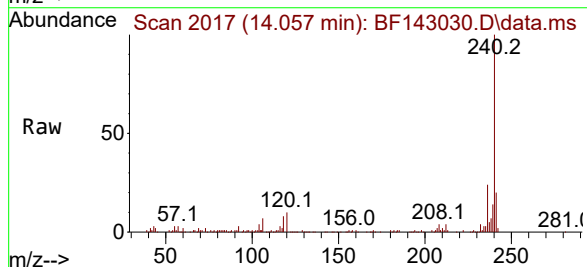
Tgt Ion:240 Resp: 94013

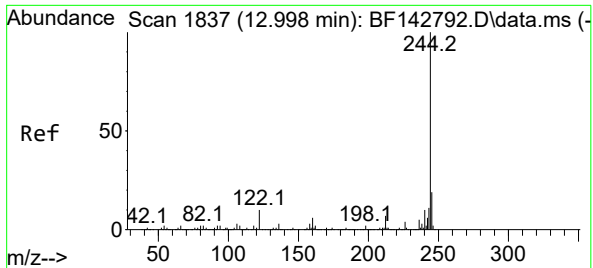
Ion Ratio Lower Upper

240 100

120 9.8 8.2 12.2

236 23.9 19.8 29.8





#79

Terphenyl-d14

Concen: 40.590 ng

RT: 12.992 min Scan# 1836

Delta R.T. -0.006 min

Lab File: BF143030.D

Acq: 08 Jul 2025 13:31

Instrument :

BNA_F

ClientSampleId :

TP-36

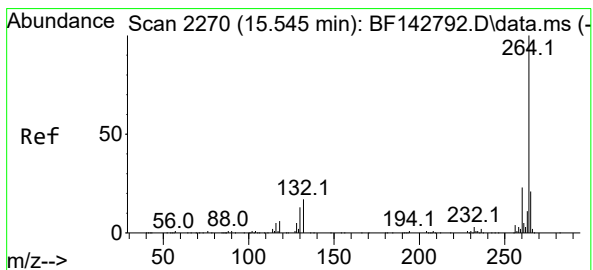
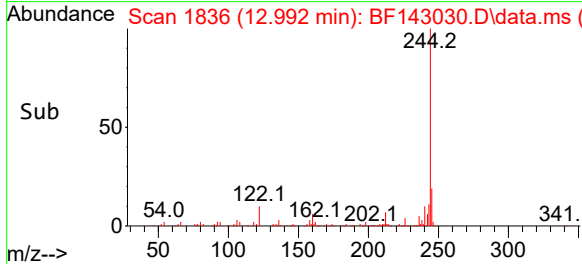
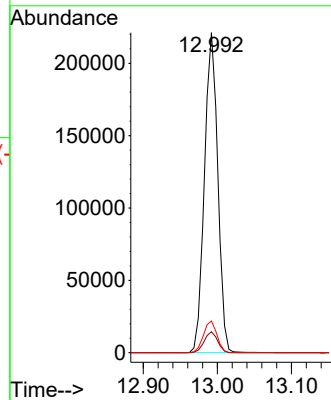
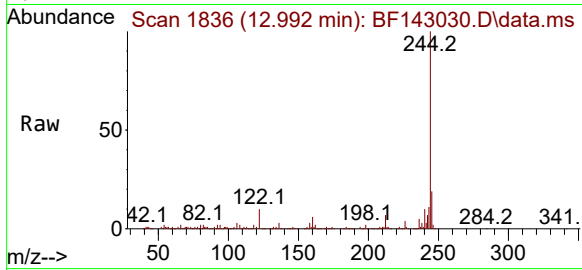
Tgt Ion:244 Resp: 276181

Ion Ratio Lower Upper

244 100

212 6.5 5.4 8.0

122 9.9 8.2 12.2



#86

Perylene-d12

Concen: 20.000 ng

RT: 15.551 min Scan# 2271

Delta R.T. 0.006 min

Lab File: BF143030.D

Acq: 08 Jul 2025 13:31

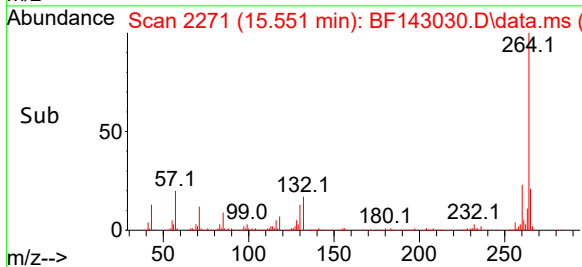
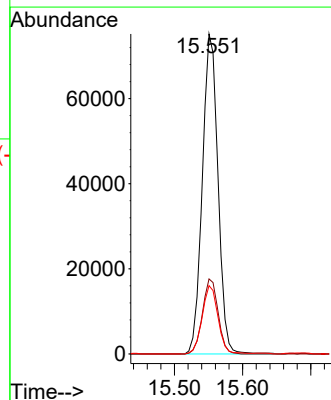
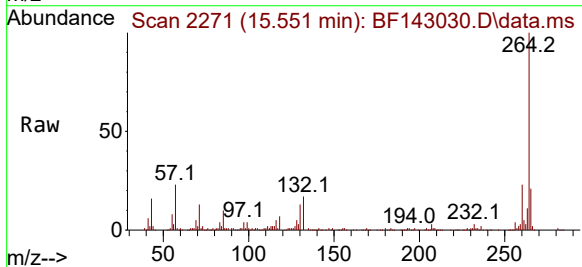
Tgt Ion:264 Resp: 119996

Ion Ratio Lower Upper

264 100

260 23.5 18.1 27.1

265 21.4 16.6 25.0



Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF070825\
 Data File : BF143030.D
 Acq On : 08 Jul 2025 13:31
 Operator : RC/JU
 Sample : Q2514-07
 Misc :
 ALS Vial : 7 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 TP-36

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: BF143030.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	485	492	505	rBV	51605	79264	2.86%	0.365%
2	5.492	556	561	577	rBV	603139	818727	29.58%	3.772%
3	6.504	728	733	747	rBV	637131	830890	30.02%	3.828%
4	6.875	791	796	801	rBV	226337	286832	10.36%	1.321%
5	7.434	886	891	896	rBV	427298	534166	19.30%	2.461%
6	8.157	1009	1014	1019	rBV	303720	367905	13.29%	1.695%
7	9.233	1191	1197	1202	rBV	883834	1082641	39.12%	4.987%
8	9.916	1308	1313	1318	rBV	329228	401452	14.50%	1.849%
9	10.627	1429	1434	1441	rBV	112008	147926	5.34%	0.681%
10	10.704	1442	1447	1458	rBV	321318	422542	15.27%	1.947%
11	11.351	1550	1557	1562	rVV4	14065	33794	1.22%	0.156%
12	11.404	1562	1566	1572	rVB	276740	348879	12.60%	1.607%
13	11.921	1648	1654	1681	rVB2	316513	653955	23.63%	3.013%
14	12.480	1742	1749	1759	rBV	122386	257834	9.32%	1.188%
15	12.710	1780	1788	1810	rVB	513937	964224	34.84%	4.442%
16	12.992	1831	1836	1841	rVB	581698	728941	26.34%	3.358%
17	13.239	1870	1878	1886	rBV	351966	725393	26.21%	3.342%
18	13.839	1972	1980	1986	rBV	874374	1537923	55.56%	7.085%
19	13.904	1986	1991	1997	rVB4	28030	67764	2.45%	0.312%
20	14.057	2012	2017	2024	rVB	188254	254706	9.20%	1.173%
21	14.204	2039	2042	2052	rVB2	17221	29772	1.08%	0.137%
22	14.345	2059	2066	2073	rBV	1357267	2175451	78.60%	10.022%
23	14.510	2089	2094	2098	rBV	48580	69774	2.52%	0.321%
24	14.651	2109	2118	2128	rVB3	69380	199260	7.20%	0.918%
25	14.804	2136	2144	2156	rBV	1557606	2767796	100.00%	12.750%
26	15.098	2189	2194	2200	rVV	45334	81180	2.93%	0.374%
27	15.168	2200	2206	2216	rVB	114314	190975	6.90%	0.880%
28	15.309	2222	2230	2237	rBV	1290885	2367738	85.55%	10.907%
29	15.551	2265	2271	2278	rBV	276296	460759	16.65%	2.123%
30	15.680	2283	2293	2305	rVB4	126851	392426	14.18%	1.808%
31	15.862	2315	2324	2341	rVB	693649	1520514	54.94%	7.005%
32	16.004	2342	2348	2357	rVB	46186	88439	3.20%	0.407%
33	16.504	2424	2433	2443	rBV	242940	610528	22.06%	2.813%
34	17.256	2554	2561	2581	rVB	78129	207112	7.48%	0.954%

Sum of corrected areas: 21707482

Instrument :

BNA_F

ClientSampleId :

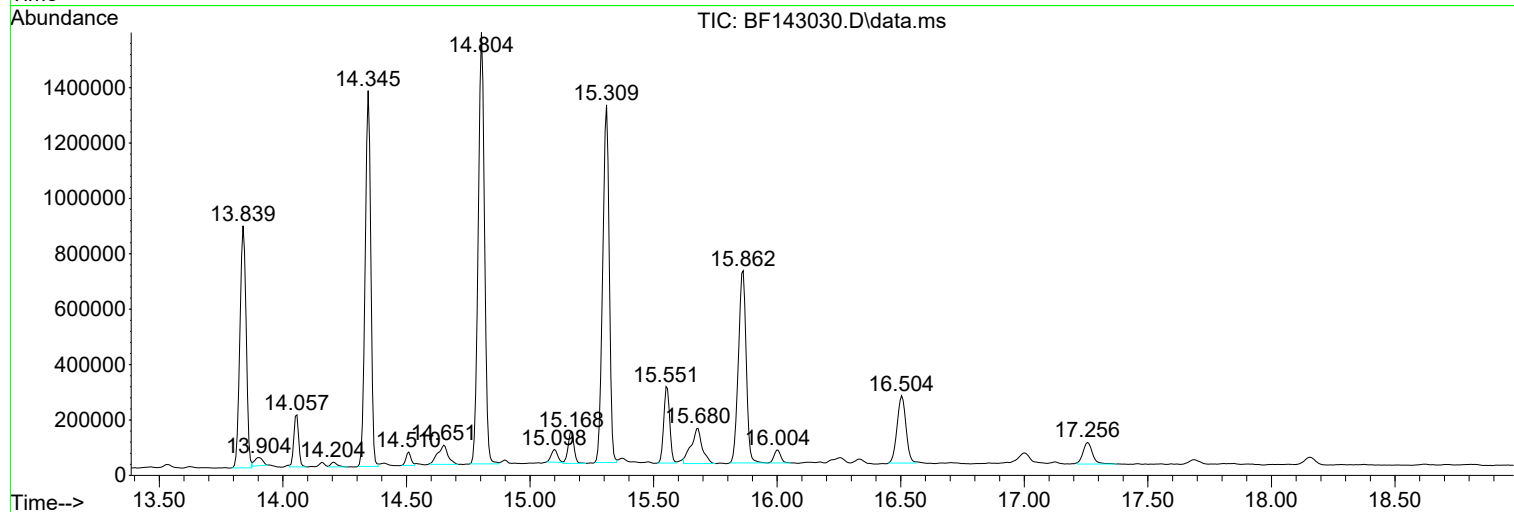
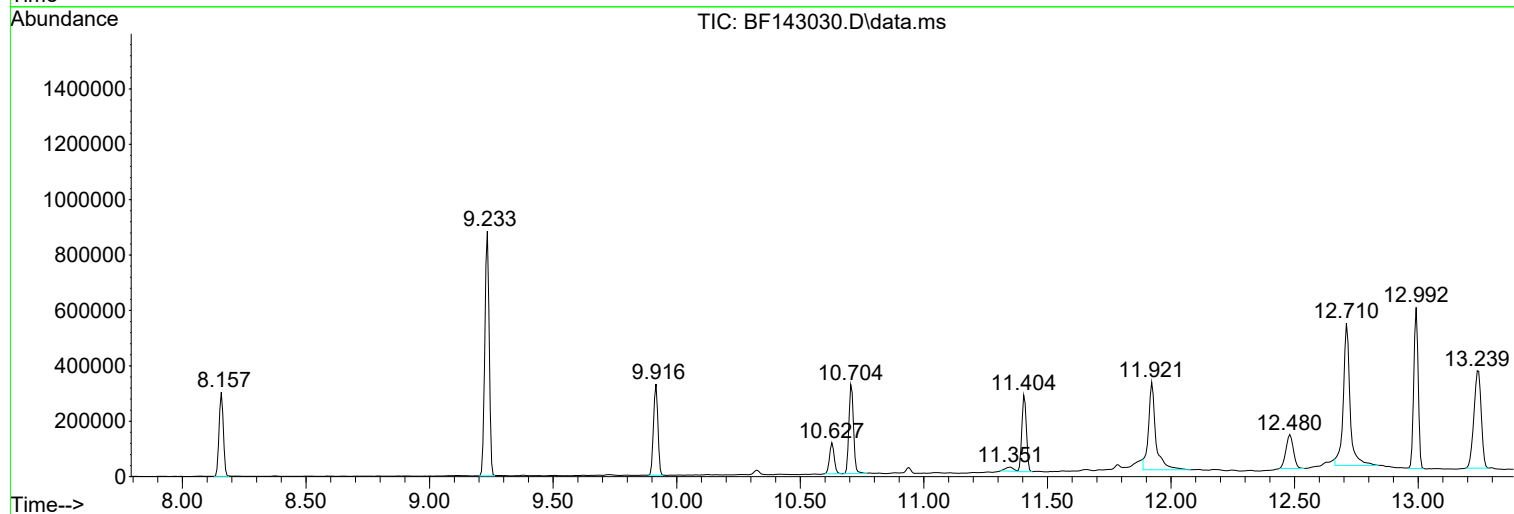
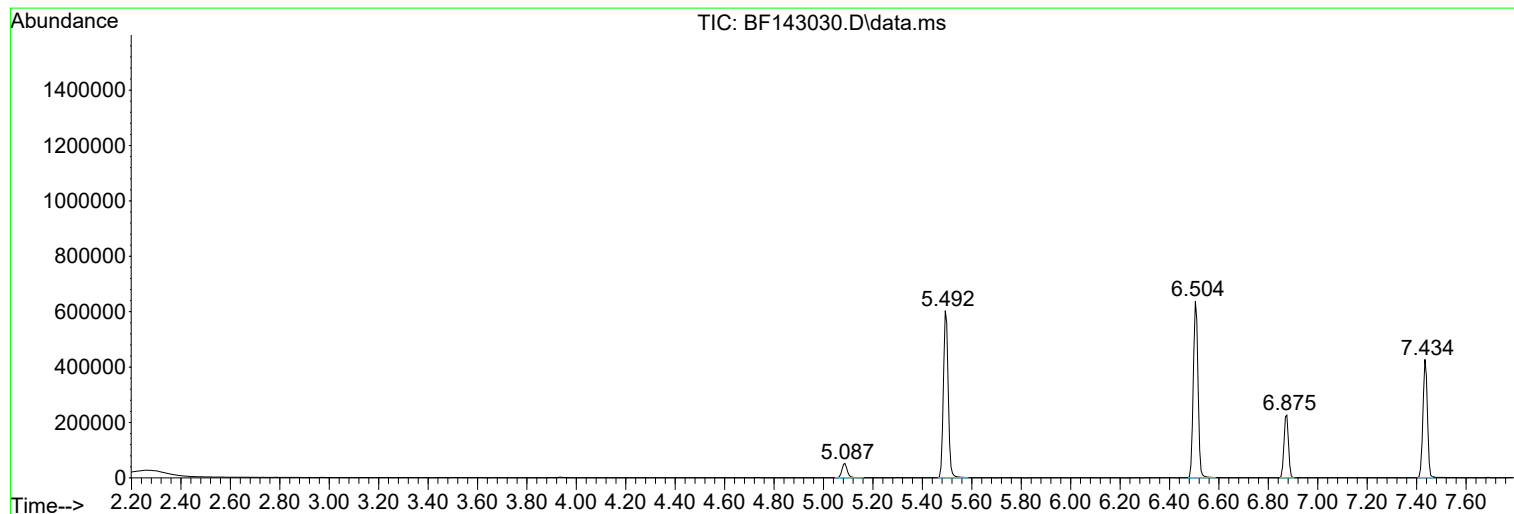
TP-36

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF070825\
Data File : BF143030.D
Acq On : 08 Jul 2025 13:31
Operator : RC/JU
Sample : Q2514-07
Misc :
ALS Vial : 7 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
TP-36

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\BF070825\
Data File : BF143030.D
Acq On : 08 Jul 2025 13:31
Operator : RC/JU
Sample : Q2514-07
Misc :
ALS Vial : 7 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
TP-36

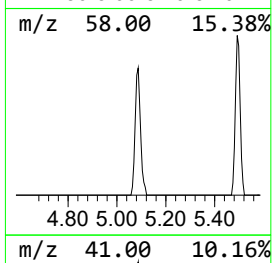
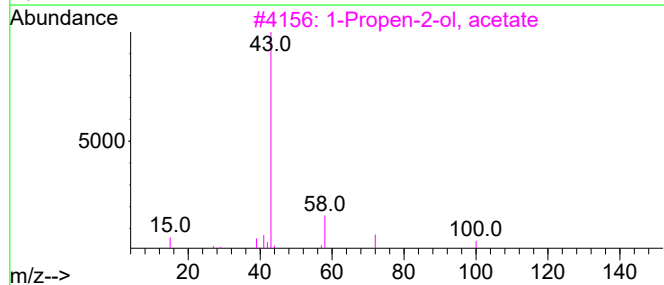
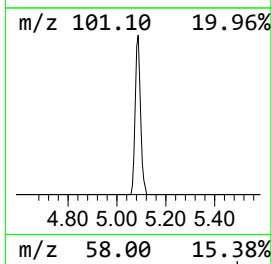
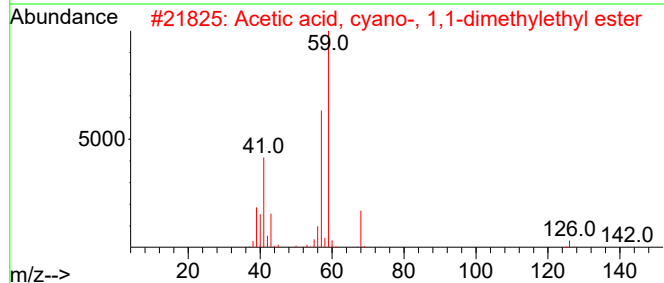
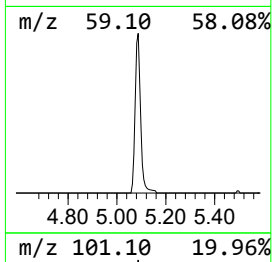
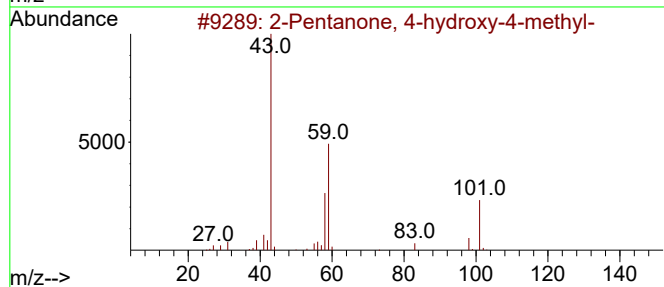
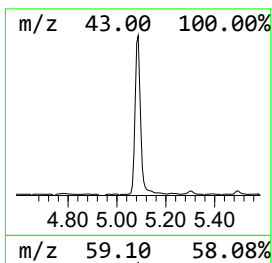
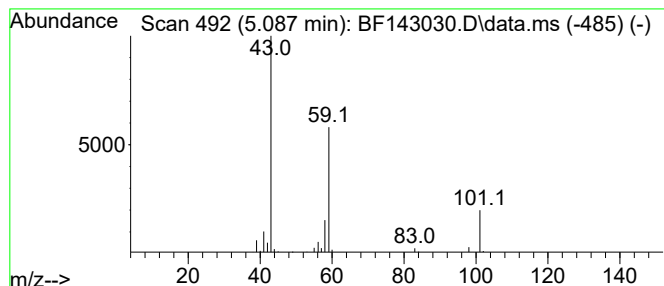
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF061925.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 1 2-Pentanone, 4-hydroxy-4-me... Concentration Rank 16

R.T.	EstConc	Area	Relative to ISTD	R.T.
5.087	5.53 ng	79264	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			(+)-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\BF070825\
Data File : BF143030.D
Acq On : 08 Jul 2025 13:31
Operator : RC/JU
Sample : Q2514-07
Misc :
ALS Vial : 7 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
TP-36

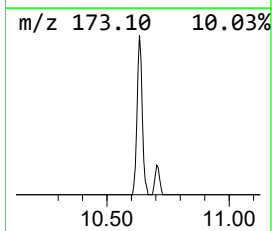
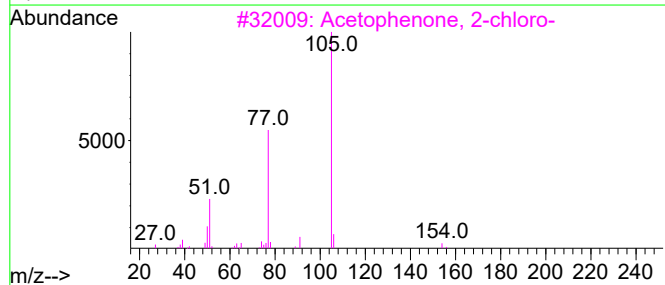
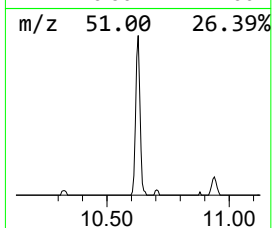
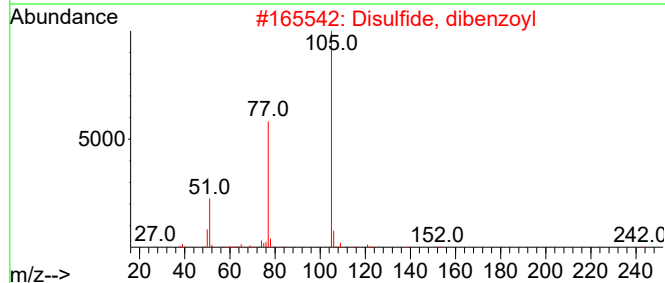
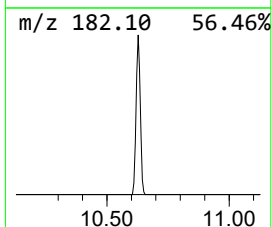
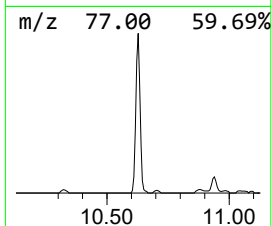
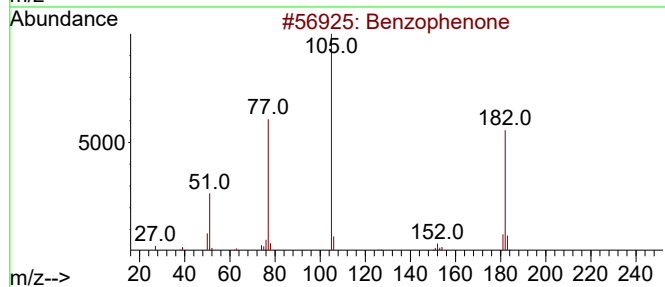
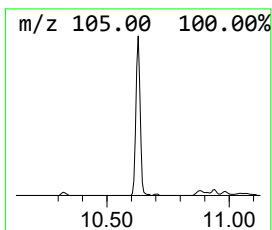
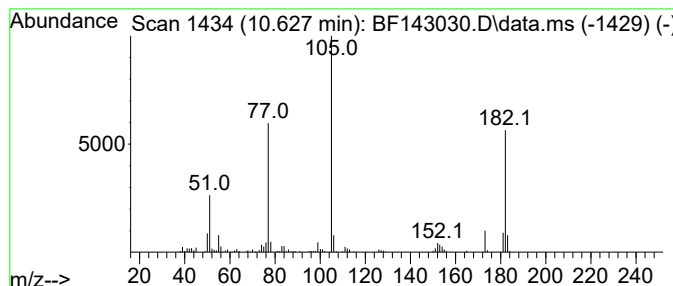
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF061925.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 2 Benzophenone Concentration Rank 15

R.T.	EstConc	Area	Relative to ISTD	R.T.
10.627	7.37 ng	147926	Acenaphthene-d10	9.916

Hit#	of	5	Tentative ID	MW	MolForm	CAS#	Qual
1			Benzophenone	182	C13H10O	000119-61-9	96
2			Disulfide, dibenzoyl	274	C14H10O2S2	000644-32-6	43
3			Acetophenone, 2-chloro-	154	C8H7ClO	000532-27-4	43
4			5-Oxo-5-phenylpentanenitrile	173	C11H11NO	1000486-83-7	38
5			Benzeneacetic acid, .alpha.-oxo-...	164	C9H8O3	015206-55-0	38



Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF070825\
Data File : BF143030.D
Acq On : 08 Jul 2025 13:31
Operator : RC/JU
Sample : Q2514-07
Misc :
ALS Vial : 7 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
TP-36

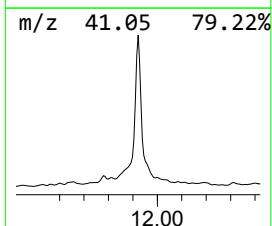
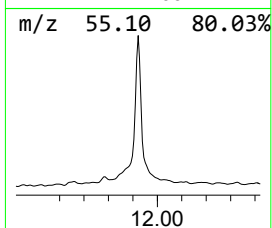
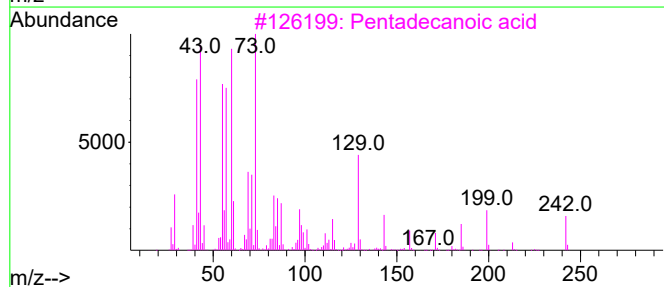
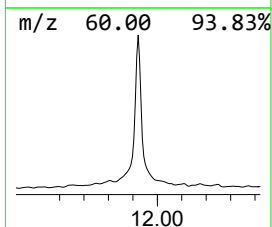
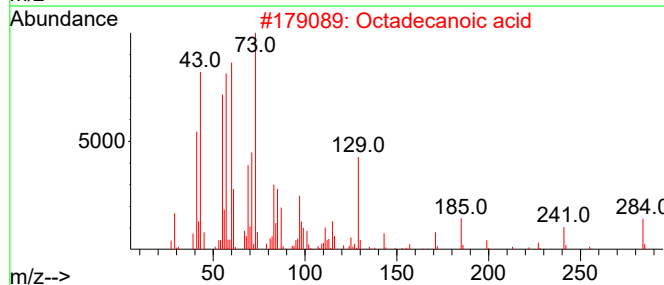
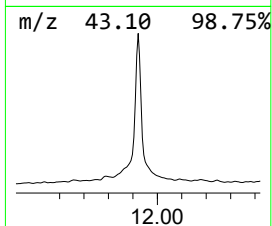
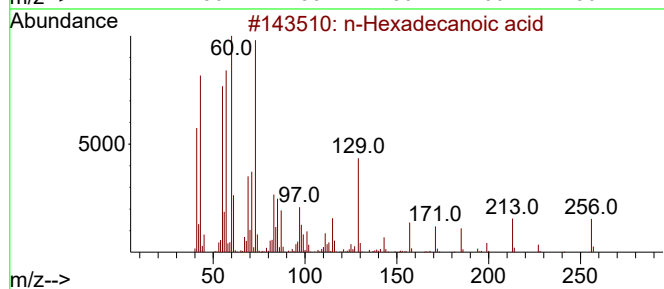
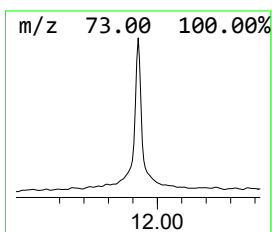
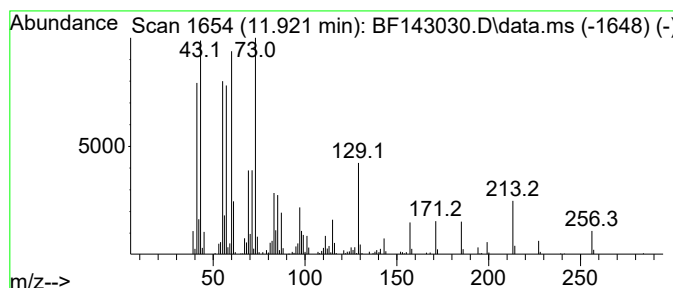
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF061925.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 3 n-Hexadecanoic acid Concentration Rank 8

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.921	37.49 ng	653955	Phenanthrene-d10	11.404

Hit#	of	5	Tentative ID	MW	MolForm	CAS#	Qual
1			n-Hexadecanoic acid	256	C16H32O2	000057-10-3	99
2			Octadecanoic acid	284	C18H36O2	000057-11-4	94
3			Pentadecanoic acid	242	C15H30O2	001002-84-2	93
4			Tridecanoic acid	214	C13H26O2	000638-53-9	91
5			Tetradecanoic acid	228	C14H28O2	000544-63-8	86



Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF070825\
Data File : BF143030.D
Acq On : 08 Jul 2025 13:31
Operator : RC/JU
Sample : Q2514-07
Misc :
ALS Vial : 7 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
TP-36

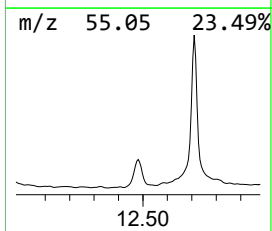
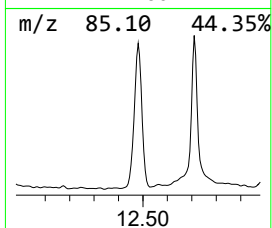
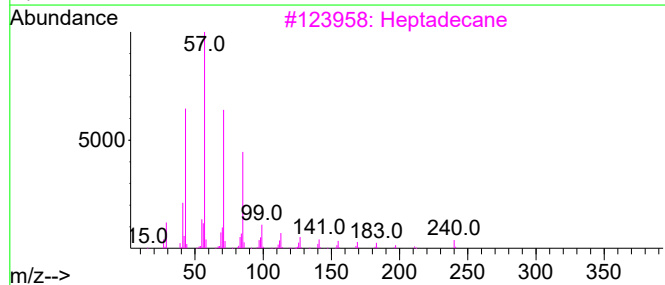
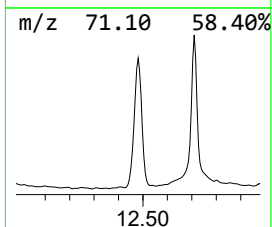
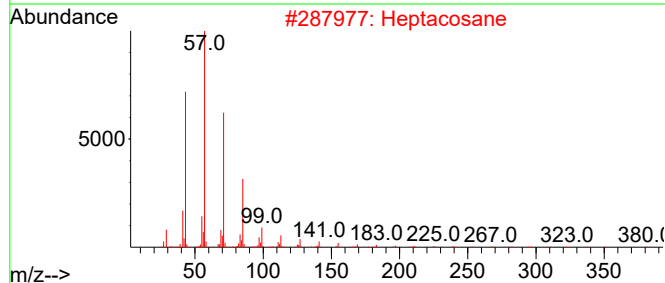
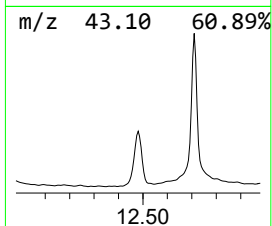
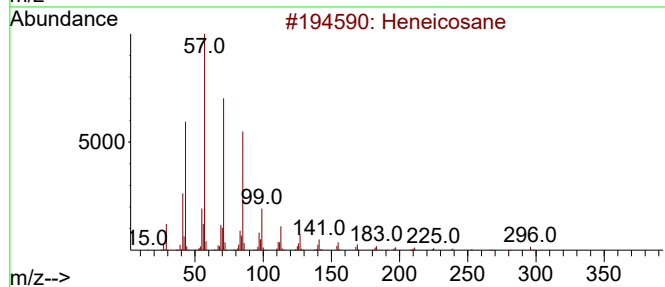
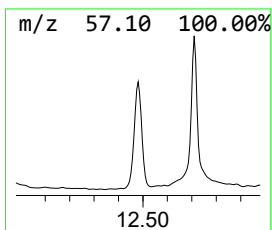
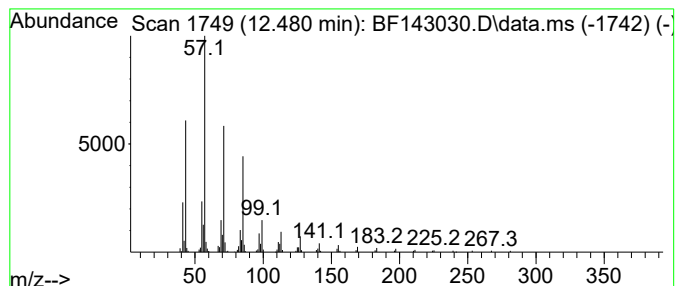
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 4 Heneicosane Concentration Rank 12

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.480	14.78 ng	257834	Phenanthrene-d10	11.404

Hit#	of 5	Tentative ID	MW	MolForm	CAS#	Qual
1		Heneicosane	296	C21H44	000629-94-7	91
2		Heptacosane	380	C27H56	000593-49-7	91
3		Heptadecane	240	C17H36	000629-78-7	91
4		Nonadecane	268	C19H40	000629-92-5	91
5		Octadecane	254	C18H38	000593-45-3	91



Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF070825\
Data File : BF143030.D
Acq On : 08 Jul 2025 13:31
Operator : RC/JU
Sample : Q2514-07
Misc :
ALS Vial : 7 Sample Multiplier: 1

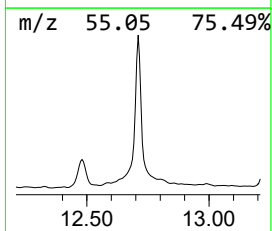
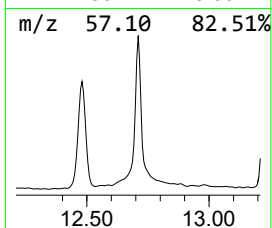
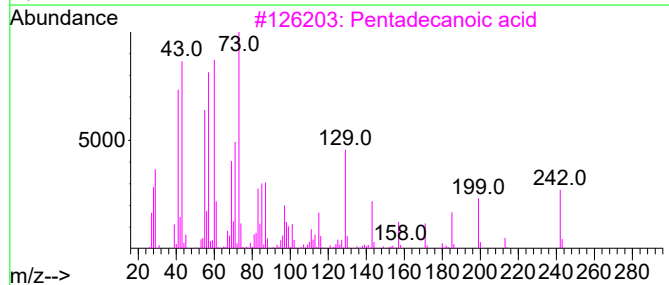
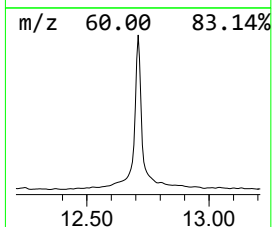
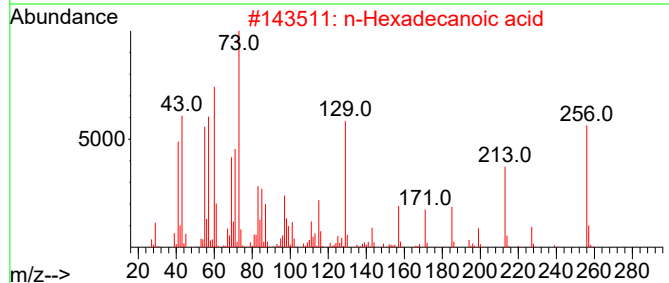
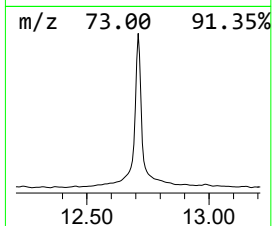
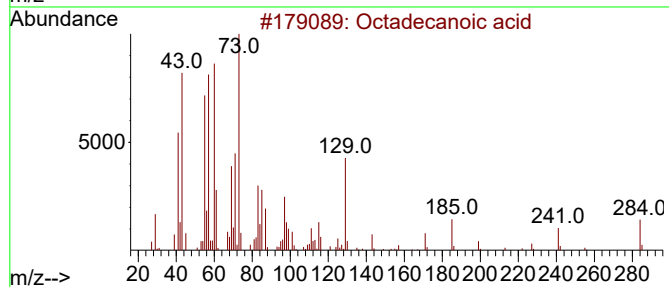
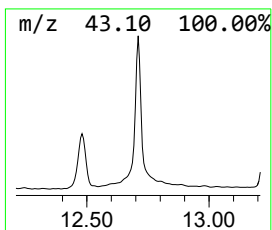
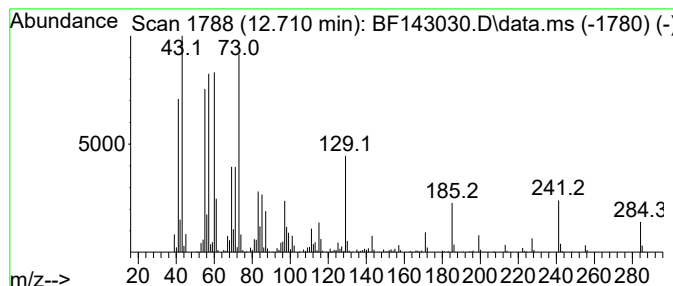
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ClientSampleId :
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Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF061925.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 5 Octadecanoic acid Concentration Rank 7

R.T.	EstConc	Area	Relative to ISTD		R.T.	
12.710	55.28 ng	964224	Phenanthrene-d10		11.404	
Hit# of 5	Tentative ID		MW	MolForm	CAS#	Qual
1	Octadecanoic acid		284	C18H36O2	000057-11-4	99
2	n-Hexadecanoic acid		256	C16H32O2	000057-10-3	91
3	Pentadecanoic acid		242	C15H30O2	001002-84-2	89
4	Tetradecanoic acid		228	C14H28O2	000544-63-8	87
5	n-Decanoic acid		172	C10H20O2	000334-48-5	70



Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF070825\
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Instrument :
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ClientSampleId :
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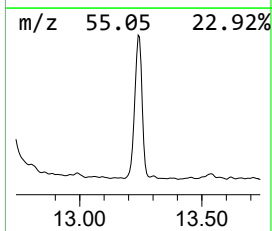
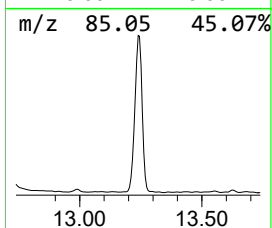
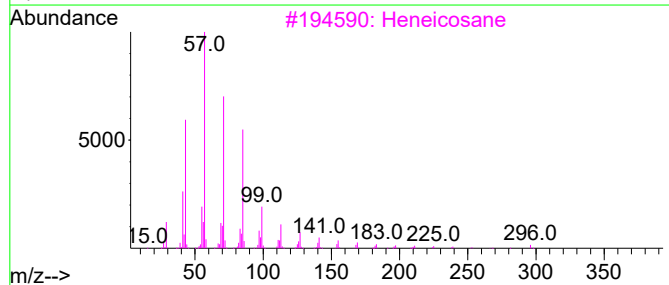
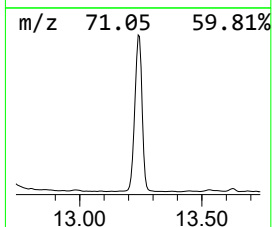
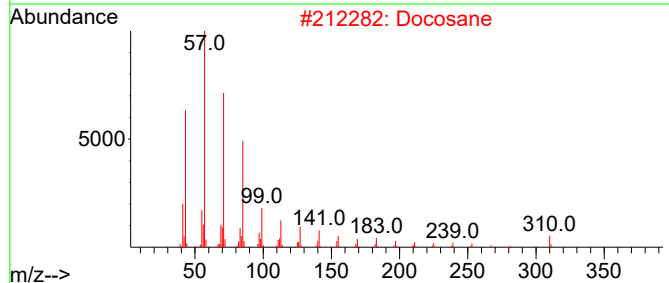
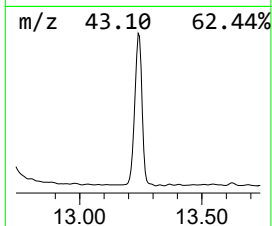
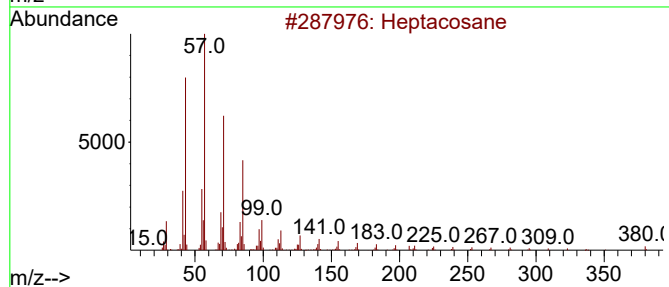
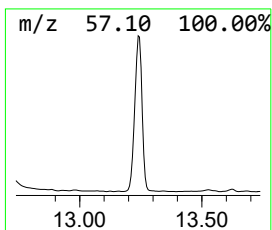
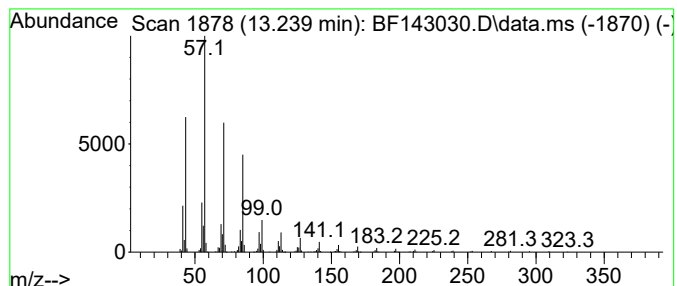
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 6 Heptacosane Concentration Rank 6

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.239	56.96 ng	725393	Chrysene-d12	14.057

Hit#	of 5	Tentative ID	MW	MolForm	CAS#	Qual
1		Heptacosane	380	C27H56	000593-49-7	91
2		Docosane	310	C22H46	000629-97-0	91
3		Heneicosane	296	C21H44	000629-94-7	91
4		Tetracosane	338	C24H50	000646-31-1	91
5		Octacosane, 2-methyl-	408	C29H60	001560-98-1	91



Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF070825\
Data File : BF143030.D
Acq On : 08 Jul 2025 13:31
Operator : RC/JU
Sample : Q2514-07
Misc :
ALS Vial : 7 Sample Multiplier: 1

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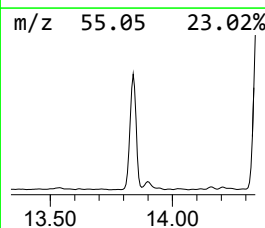
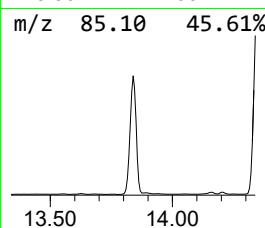
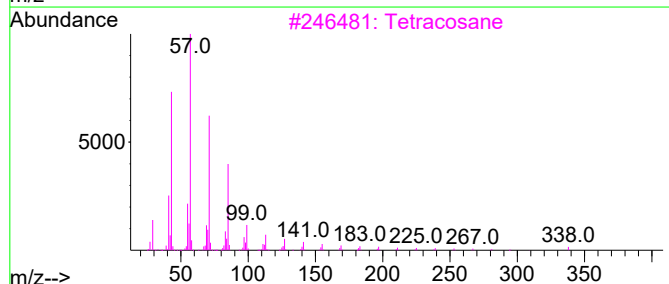
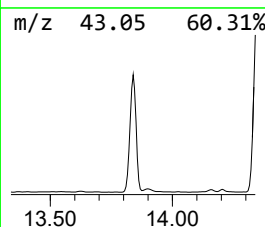
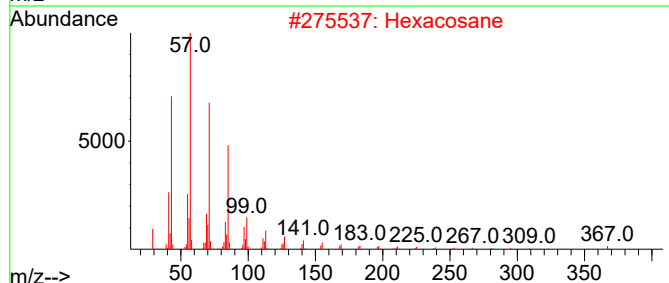
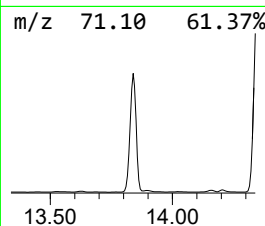
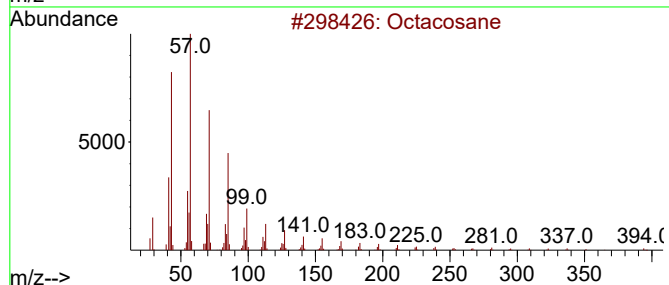
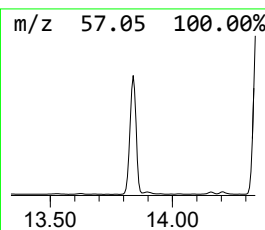
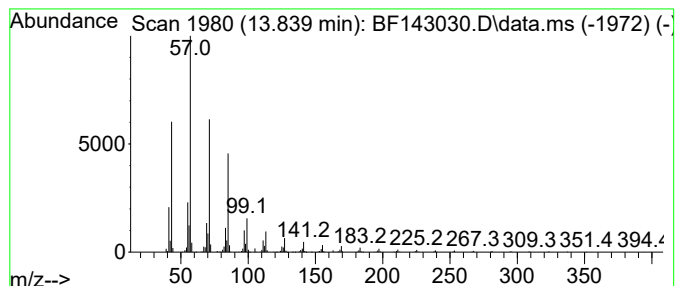
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 7 Octacosane Concentration Rank 3

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.839	120.76 ng	1537920	Chrysene-d12	14.057

Hit#	of	5	Tentative ID	MW	MolForm	CAS#	Qual
1			Octacosane	394	C28H58	000630-02-4	97
2			Hexacosane	366	C26H54	000630-01-3	91
3			Tetracosane	338	C24H50	000646-31-1	91
4			Octacosane, 2-methyl-	408	C29H60	001560-98-1	91
5			Heneicosane	296	C21H44	000629-94-7	91



Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF070825\
Data File : BF143030.D
Acq On : 08 Jul 2025 13:31
Operator : RC/JU
Sample : Q2514-07
Misc :
ALS Vial : 7 Sample Multiplier: 1

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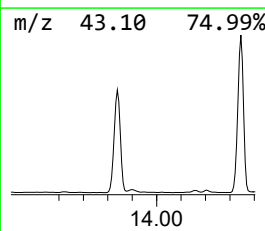
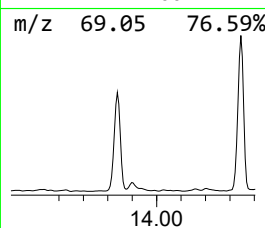
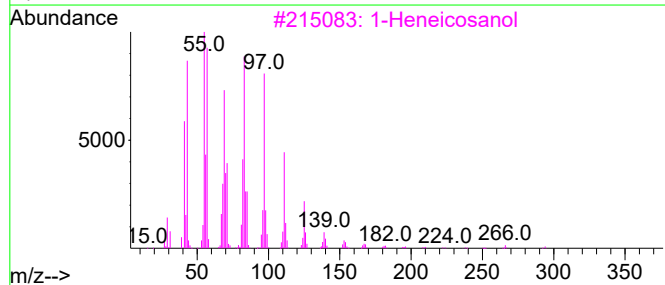
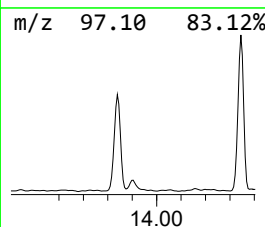
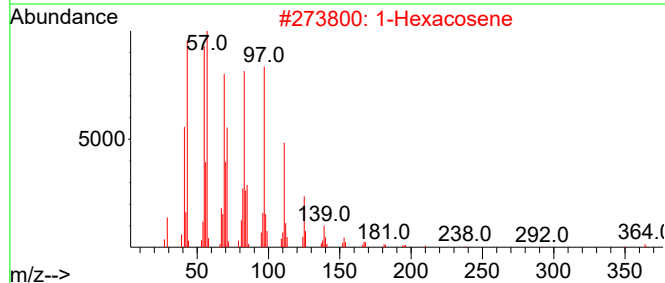
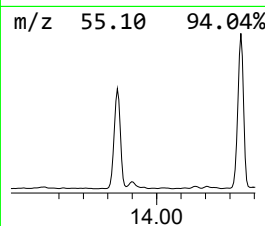
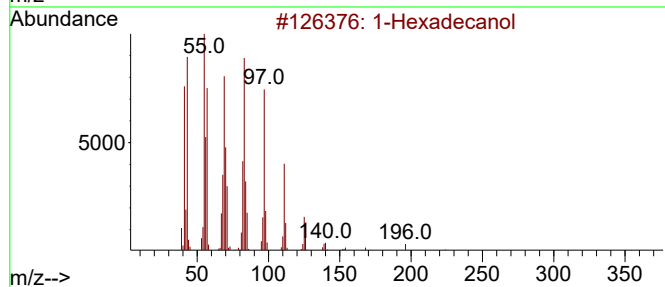
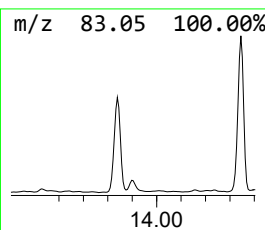
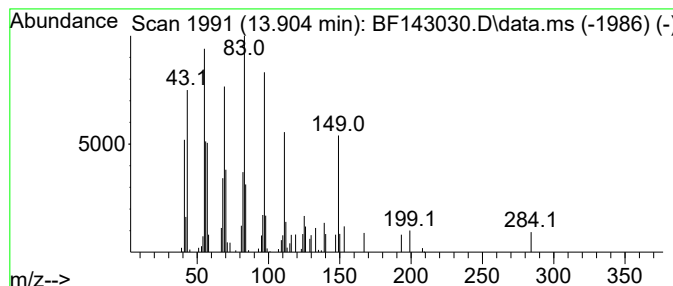
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 8 1-Hexadecanol Concentration Rank 18

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.904	5.32 ng	67764	Chrysene-d12	14.057

Hit#	of 5	Tentative ID	MW	MolForm	CAS#	Qual
1		1-Hexadecanol	242	C16H34O	036653-82-4	87
2		1-Hexacosene	364	C26H52	018835-33-1	83
3		1-Heneicosanol	312	C21H44O	015594-90-8	83
4		Trifluoroacetoxy hexadecane	338	C18H33F3O2	006222-03-3	76
5		n-Tetracosanol-1	354	C24H50O	000506-51-4	72



Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF070825\
Data File : BF143030.D
Acq On : 08 Jul 2025 13:31
Operator : RC/JU
Sample : Q2514-07
Misc :
ALS Vial : 7 Sample Multiplier: 1

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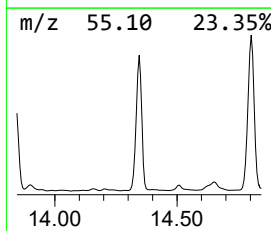
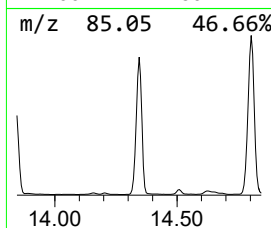
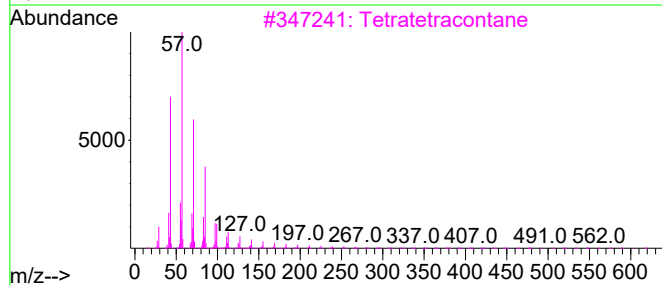
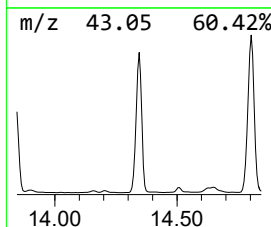
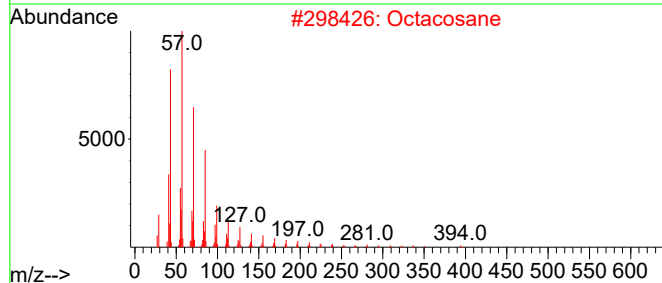
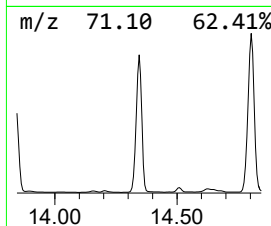
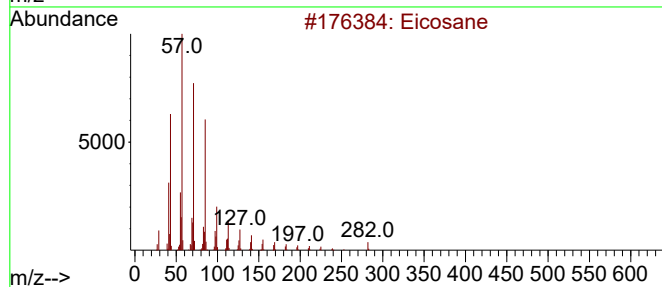
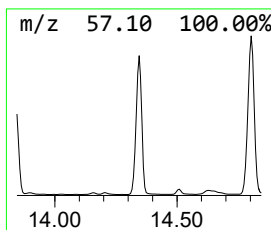
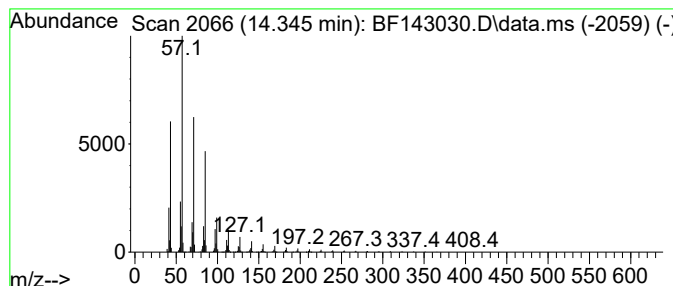
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 9 Eicosane Concentration Rank 2

R.T.	EstConc	Area	Relative to ISTD	R.T.
14.345	170.82 ng	2175450	Chrysene-d12	14.057

Hit#	of	5	Tentative ID	MW	MolForm	CAS#	Qual
1			Eicosane	282	C20H42	000112-95-8	94
2			Octacosane	394	C28H58	000630-02-4	91
3			Tetratetracontane	619	C44H90	007098-22-8	91
4			Heneicosane	296	C21H44	000629-94-7	91
5			Heptadecane, 9-octyl-	352	C25H52	007225-64-1	91



Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF070825\
Data File : BF143030.D
Acq On : 08 Jul 2025 13:31
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Sample : Q2514-07
Misc :
ALS Vial : 7 Sample Multiplier: 1

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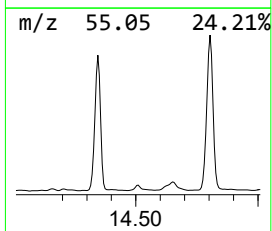
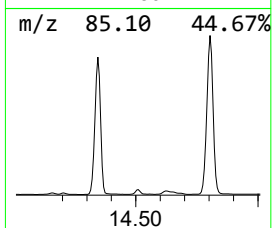
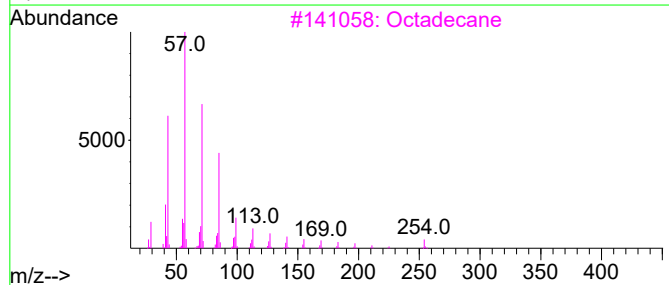
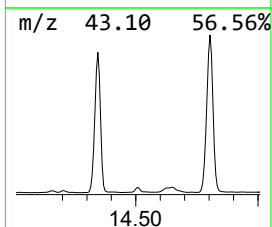
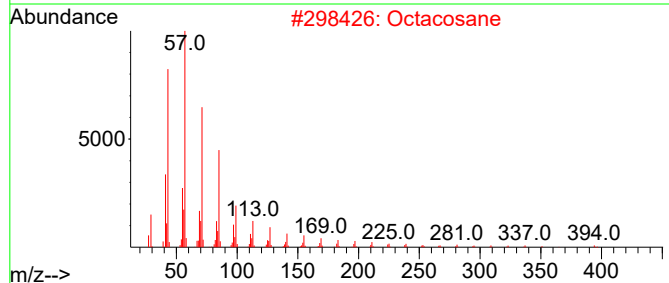
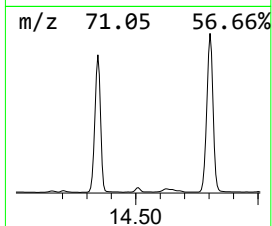
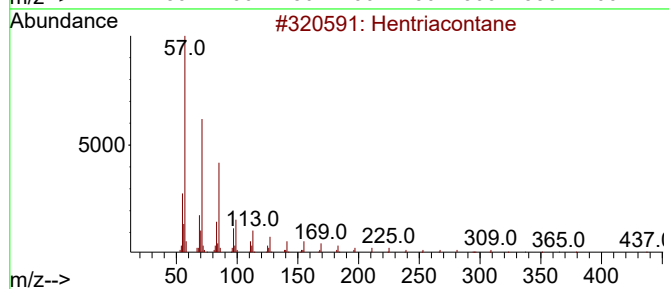
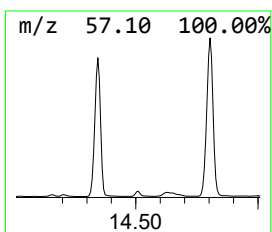
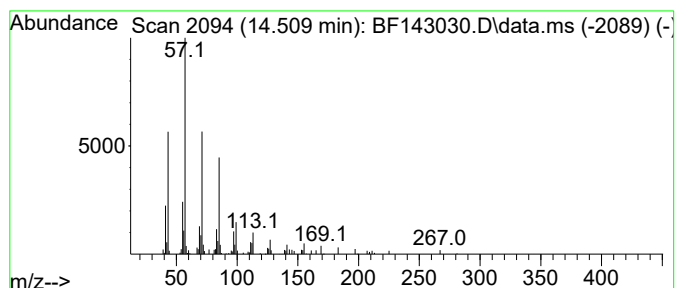
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 10 Hentriacontane Concentration Rank 17

R.T.	EstConc	Area	Relative to ISTD	R.T.
14.509	5.48 ng	69774	Chrysene-d12	14.057

Hit#	of 5	Tentative ID	MW	MolForm	CAS#	Qual
1		Hentriacontane	437	C31H64	000630-04-6	94
2		Octacosane	394	C28H58	000630-02-4	91
3		Octadecane	254	C18H38	000593-45-3	91
4		triacontane	422	C30H62	000638-68-6	91
5		Eicosane, 1-iodo-	408	C20H41I	1000406-31-8	91



Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF070825\
Data File : BF143030.D
Acq On : 08 Jul 2025 13:31
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Misc :
ALS Vial : 7 Sample Multiplier: 1

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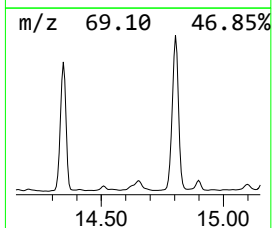
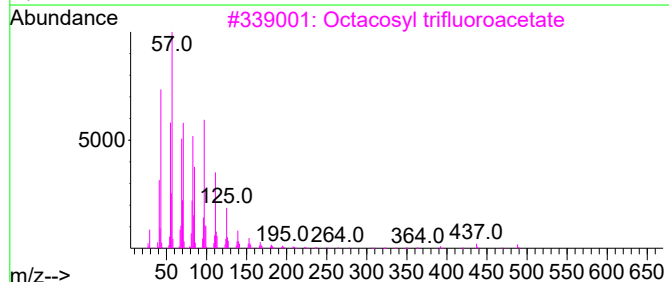
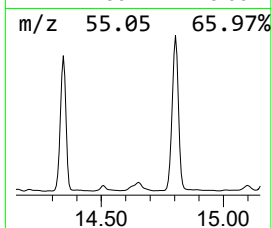
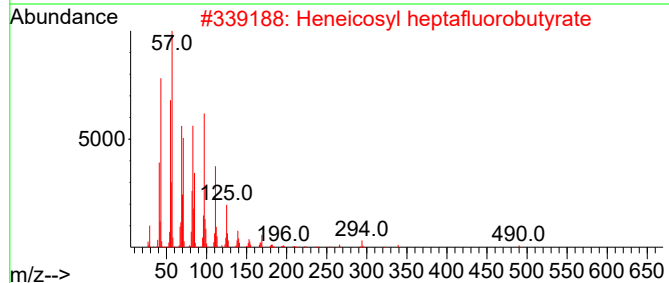
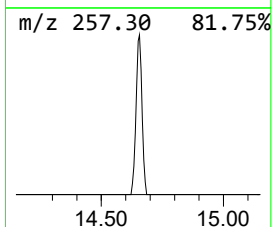
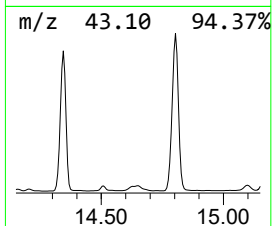
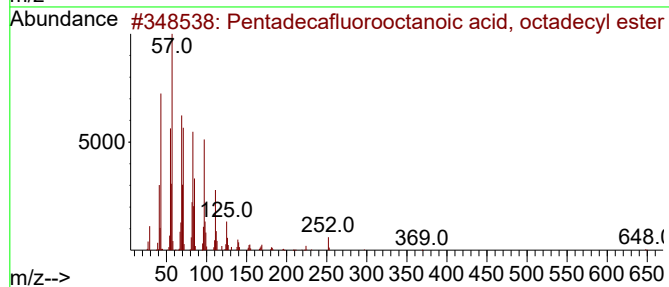
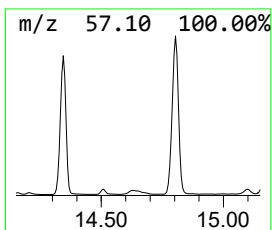
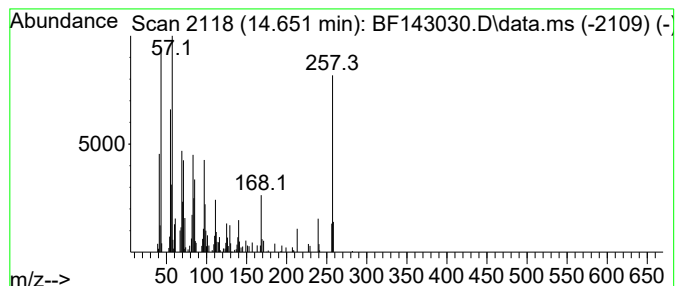
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 11 Pentadecafluorooctanoic aci... Concentration Rank 11

R.T.	EstConc	Area	Relative to ISTD	R.T.
14.651	15.65 ng	199260	Chrysene-d12	14.057

Hit#	of	5	Tentative ID	MW	MolForm	CAS#	Qual
1			Pentadecafluorooctanoic acid, oc...	666	C26H37F15O2	1000406-04-8	87
2			Heneicosyl heptafluorobutyrate	508	C25H43F7O2	1000351-83-8	55
3			Octacosyl trifluoroacetate	506	C30H57F3O2	1000351-74-9	55
4			Docosyl pentafluoropropionate	472	C25H45F5O2	1000351-80-9	55
5			Tetracosyl heptafluorobutyrate	550	C28H49F7O2	1000351-83-7	55



Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF070825\
Data File : BF143030.D
Acq On : 08 Jul 2025 13:31
Operator : RC/JU
Sample : Q2514-07
Misc :
ALS Vial : 7 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
TP-36

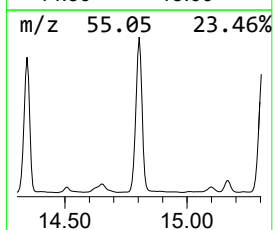
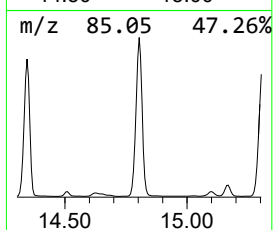
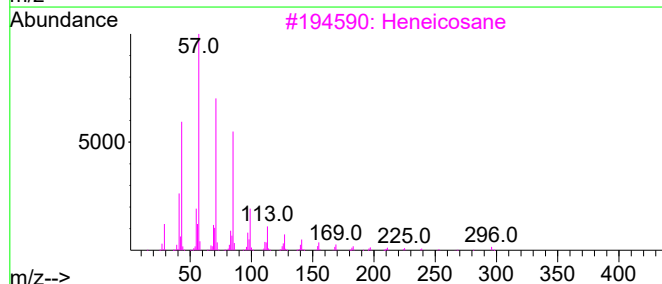
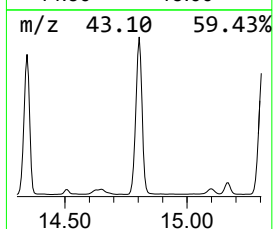
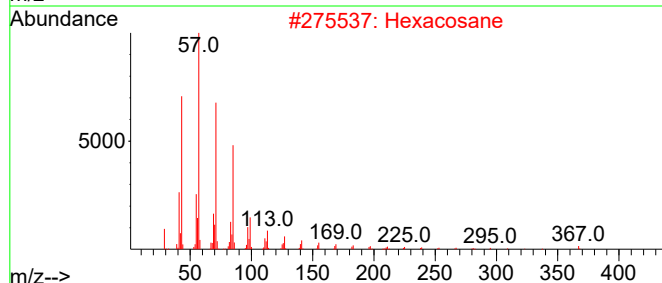
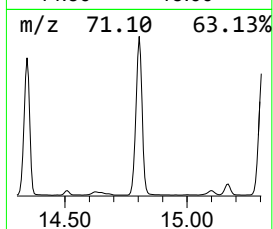
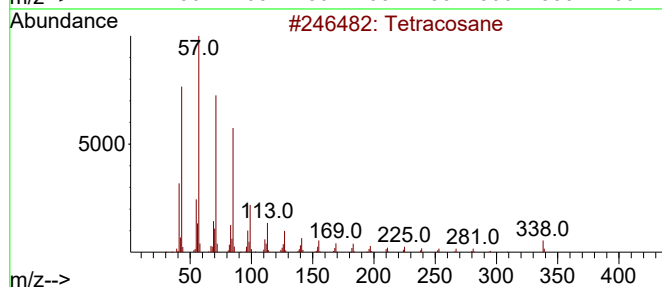
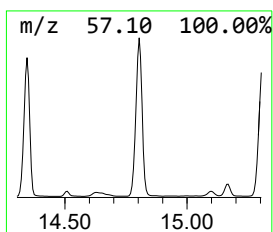
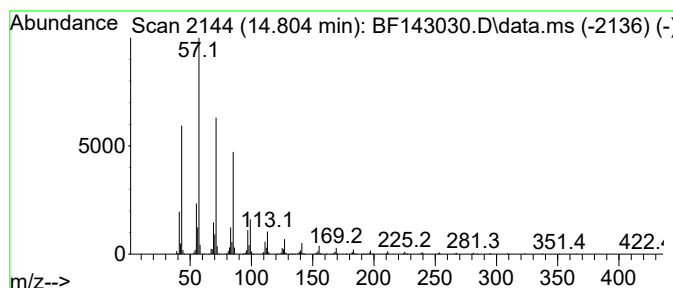
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 12 Tetracosane Concentration Rank 1

R.T.	EstConc	Area	Relative to ISTD	R.T.
14.804	217.33 ng	2767800	Chrysene-d12	14.057

Hit#	of 5	Tentative ID	MW	MolForm	CAS#	Qual
1		Tetracosane	338	C24H50	000646-31-1	98
2		Hexacosane	366	C26H54	000630-01-3	91
3		Heneicosane	296	C21H44	000629-94-7	91
4		Docosane	310	C22H46	000629-97-0	91
5		Octacosane	394	C28H58	000630-02-4	91



Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF070825\
Data File : BF143030.D
Acq On : 08 Jul 2025 13:31
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Sample : Q2514-07
Misc :
ALS Vial : 7 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
TP-36

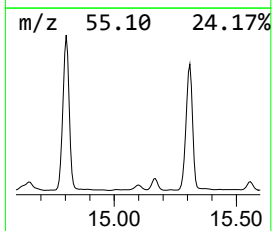
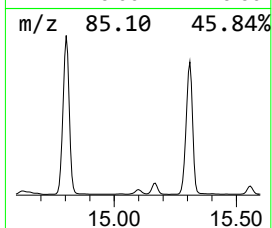
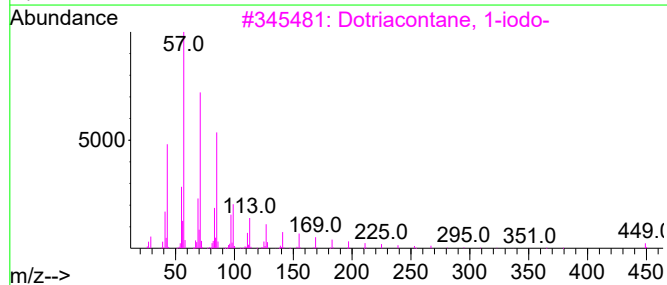
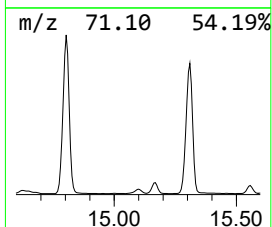
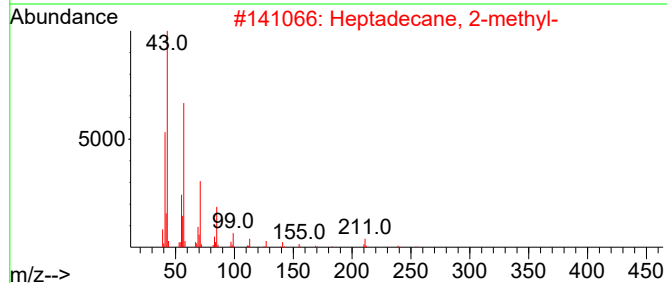
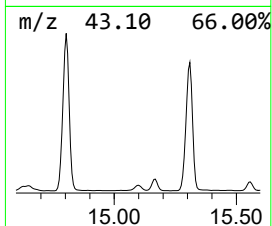
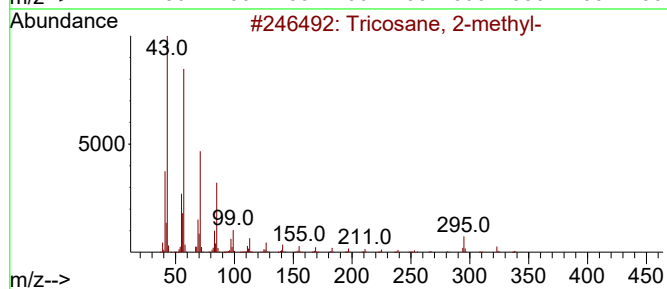
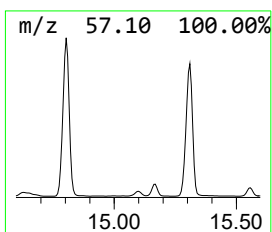
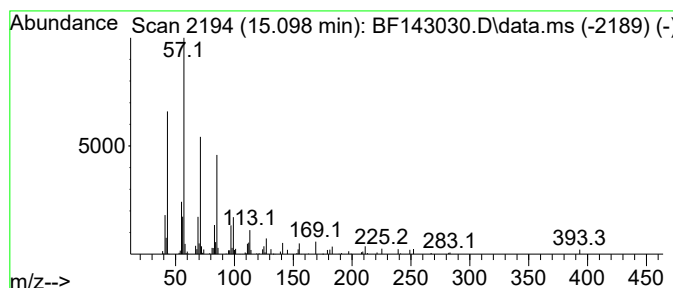
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 13 Tricosane, 2-methyl- Concentration Rank 20

R.T.	EstConc	Area	Relative to ISTD	R.T.
15.098	3.52 ng	81180	Perylene-d12	15.551

Hit#	of	5	Tentative ID	MW	MolForm	CAS#	Qual
1			Tricosane, 2-methyl-	338	C24H50	001928-30-9	90
2			Heptadecane, 2-methyl-	254	C18H38	001560-89-0	87
3			Dotriacontane, 1-iodo-	576	C32H65I	1000406-32-4	87
4			Heptacosane	380	C27H56	000593-49-7	87
5			Hexacosane	366	C26H54	000630-01-3	87



Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF070825\
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Operator : RC/JU
Sample : Q2514-07
Misc :
ALS Vial : 7 Sample Multiplier: 1

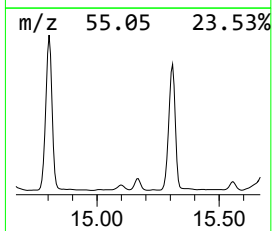
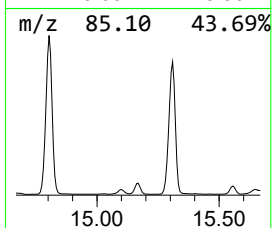
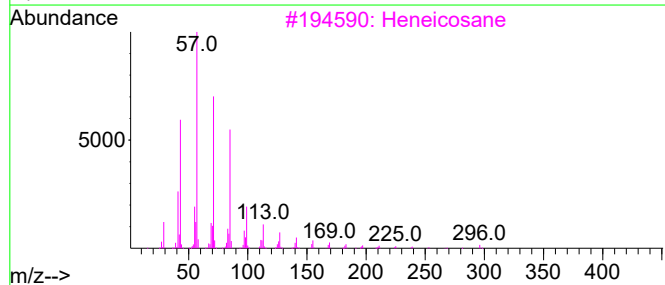
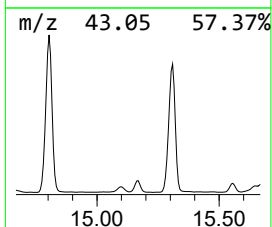
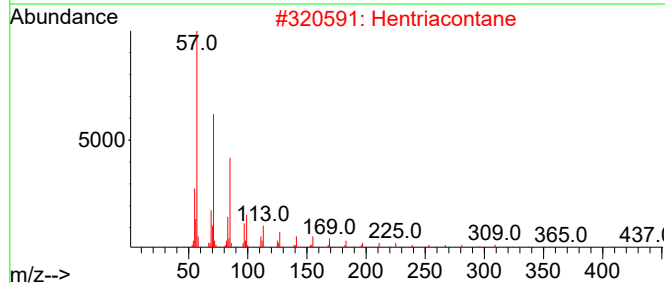
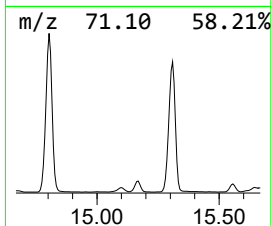
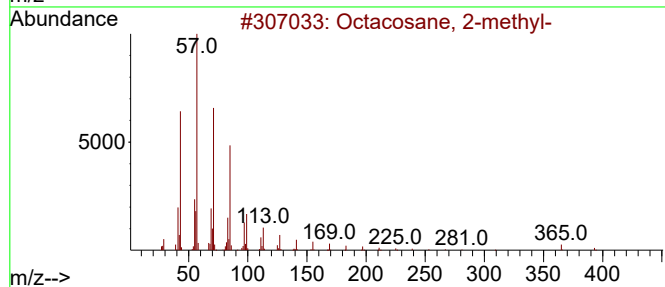
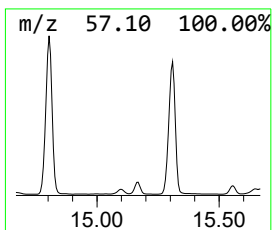
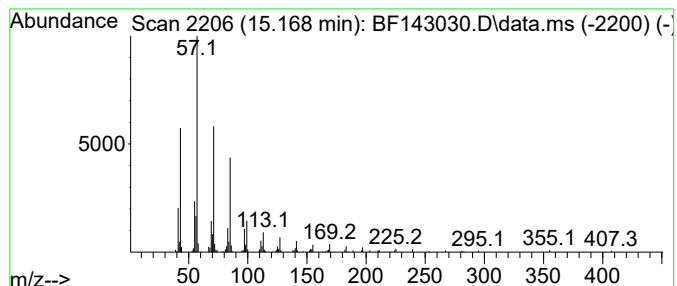
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ClientSampleId :
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Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF061925.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 14 Octacosane, 2-methyl- Concentration Rank 14

R.T.	EstConc	Area	Relative to ISTD	R.T.	
15.168	8.29 ng	190975	Perylene-d12	15.551	
Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Octacosane, 2-methyl-	408	C29H60	001560-98-1	91
2	Hentriacontane	437	C31H64	000630-04-6	91
3	Heneicosane	296	C21H44	000629-94-7	91
4	Heptacosane	380	C27H56	000593-49-7	91
5	Triacontane	422	C30H62	000638-68-6	91



Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF070825\
Data File : BF143030.D
Acq On : 08 Jul 2025 13:31
Operator : RC/JU
Sample : Q2514-07
Misc :
ALS Vial : 7 Sample Multiplier: 1

Instrument :
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ClientSampleId :
TP-36

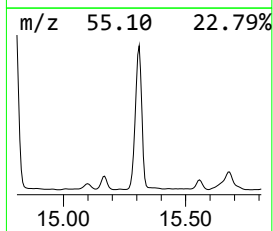
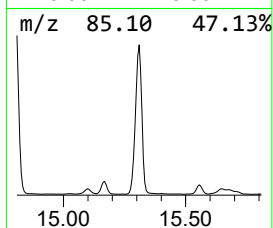
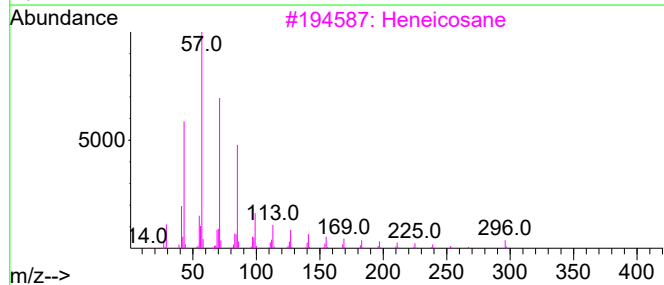
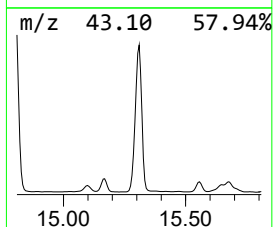
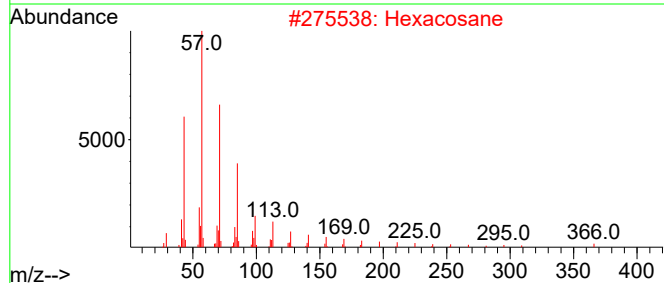
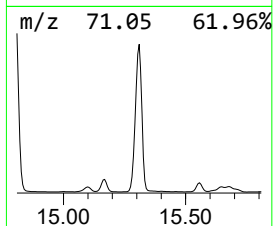
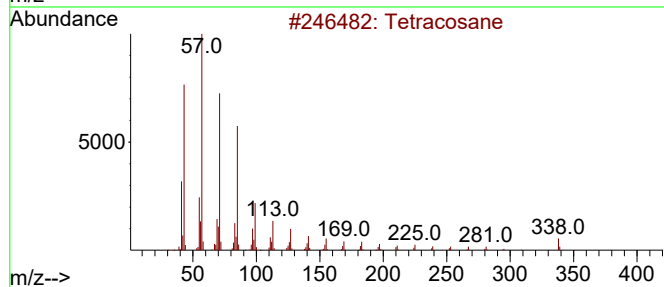
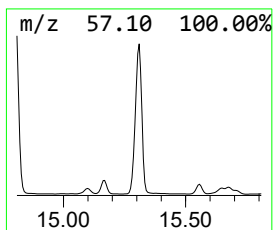
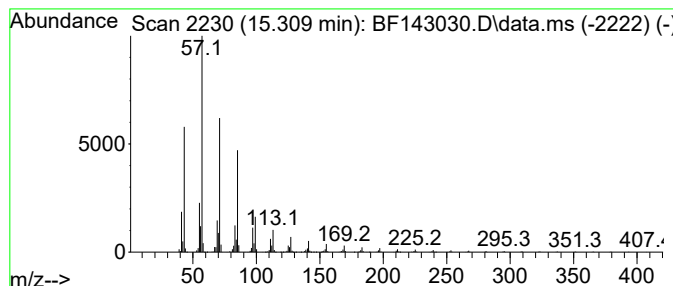
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 15 Hexacosane Concentration Rank 4

R.T.	EstConc	Area	Relative to ISTD	R.T.
15.310	102.78 ng	2367740	Perylene-d12	15.551

Hit#	of	5	Tentative ID	MW	MolForm	CAS#	Qual
1			Tetracosane	338	C24H50	000646-31-1	98
2			Hexacosane	366	C26H54	000630-01-3	98
3			Heneicosane	296	C21H44	000629-94-7	96
4			Pentadecane, 8-hexyl-	296	C21H44	013475-75-7	94
5			Octacosane	394	C28H58	000630-02-4	91



Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF070825\
Data File : BF143030.D
Acq On : 08 Jul 2025 13:31
Operator : RC/JU
Sample : Q2514-07
Misc :
ALS Vial : 7 Sample Multiplier: 1

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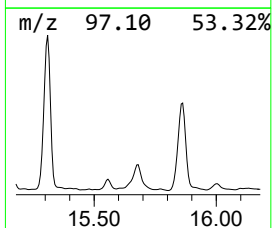
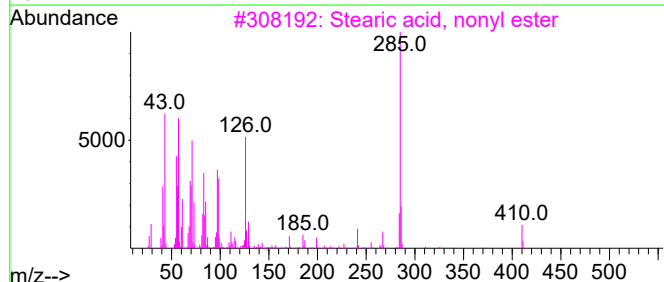
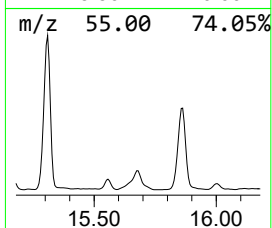
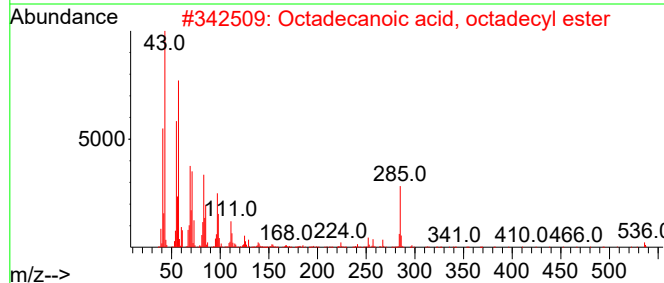
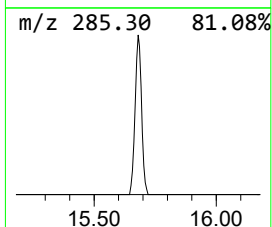
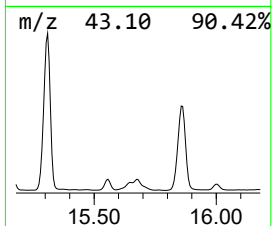
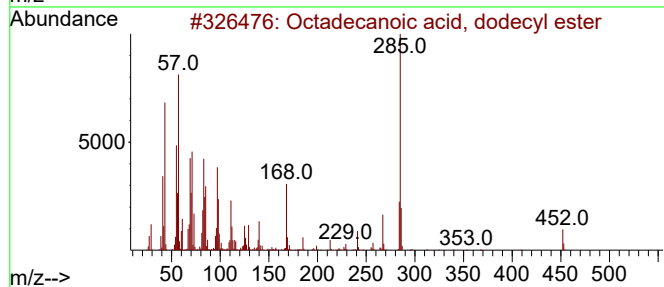
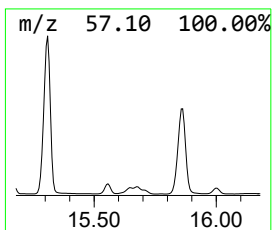
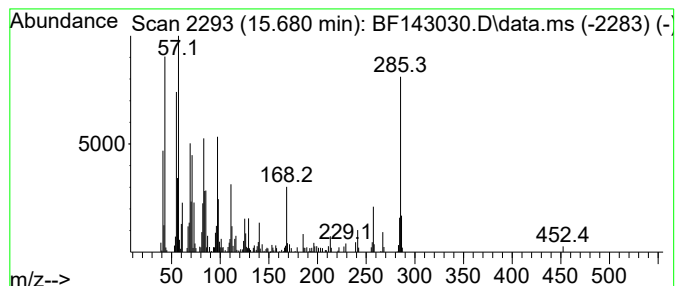
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 16 Octadecanoic acid, dodecyl ... Concentration Rank 10

R.T.	EstConc	Area	Relative to ISTD	R.T.
15.680	17.03 ng	392426	Perylene-d12	15.551

Hit#	of	5	Tentative ID	MW	MolForm	CAS#	Qual
1			Octadecanoic acid, dodecyl ester	452	C30H60O2	005303-25-3	97
2			Octadecanoic acid, octadecyl ester	537	C36H72O2	002778-96-3	87
3			Stearic acid, nonyl ester	410	C27H54O2	1000438-98-8	53
4			Cyclododecane	168	C12H24	000294-62-2	50
5			1-Octadecanethiol	286	C18H38S	002885-00-9	38



Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF070825\
Data File : BF143030.D
Acq On : 08 Jul 2025 13:31
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Sample : Q2514-07
Misc :
ALS Vial : 7 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
TP-36

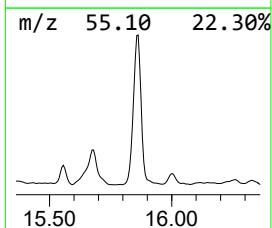
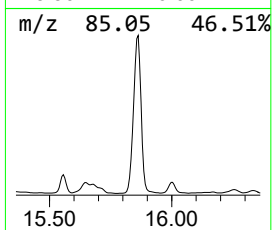
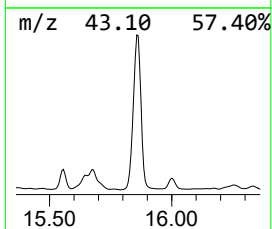
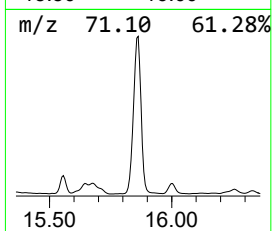
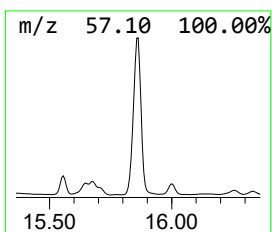
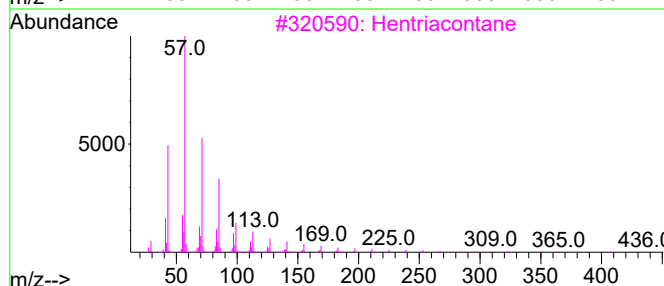
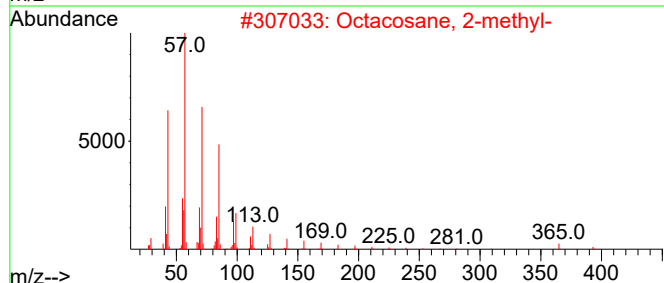
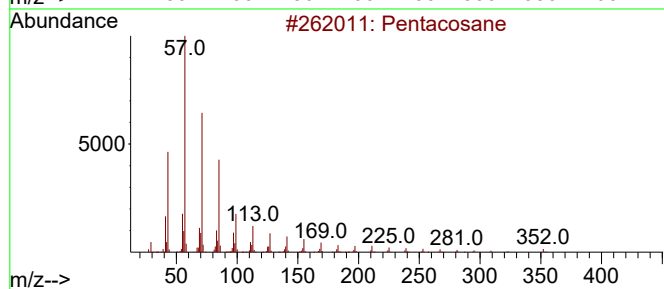
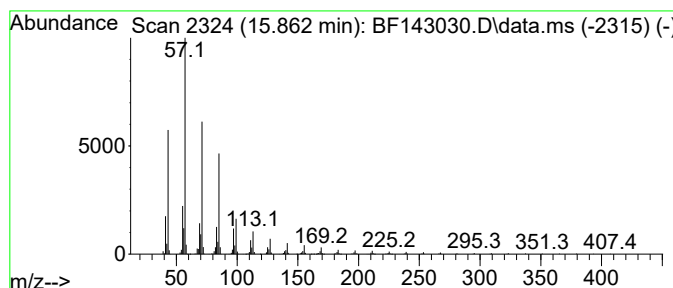
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 17 Pentacosane Concentration Rank 5

R.T.	EstConc	Area	Relative to ISTD	R.T.
15.862	66.00 ng	1520510	Perylene-d12	15.551

Hit#	of 5	Tentative ID	MW	MolForm	CAS#	Qual
1		Pentacosane	352	C25H52	000629-99-2	91
2		Octacosane, 2-methyl-	408	C29H60	001560-98-1	91
3		Hentriacontane	437	C31H64	000630-04-6	91
4		Heneicosane	296	C21H44	000629-94-7	91
5		Hexacosane	366	C26H54	000630-01-3	91



Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF070825\
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Acq On : 08 Jul 2025 13:31
Operator : RC/JU
Sample : Q2514-07
Misc :
ALS Vial : 7 Sample Multiplier: 1

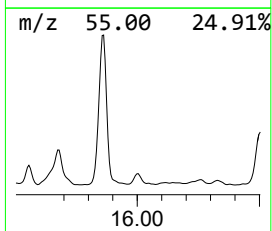
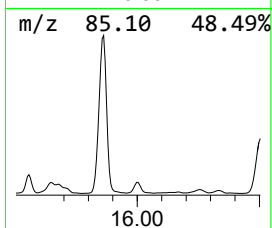
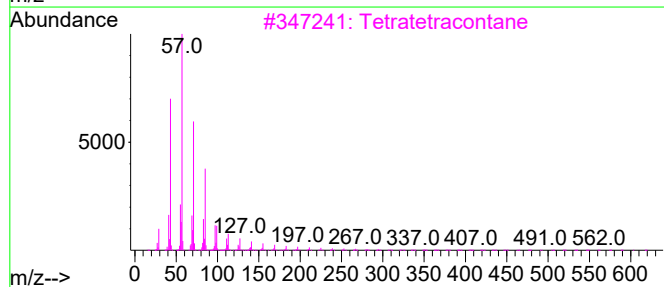
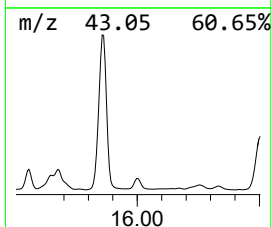
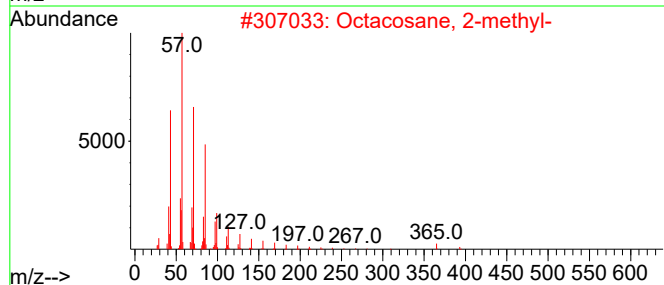
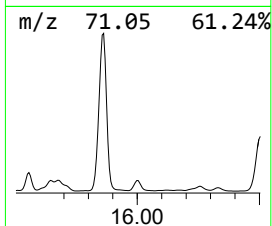
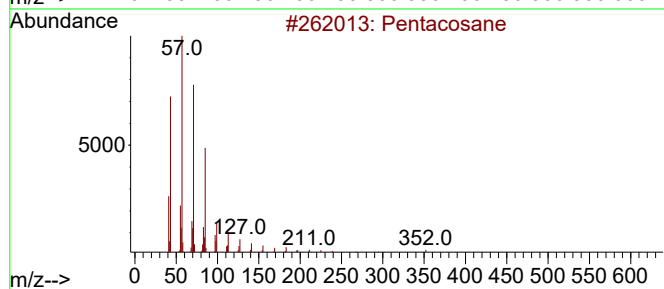
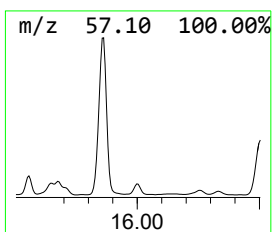
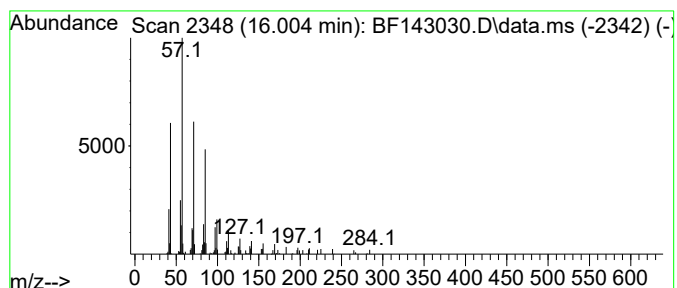
Instrument :
BNA_F
ClientSampleId :
TP-36

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 18 Tetratetracontane Concentration Rank 19

R.T.	EstConc	Area	Relative to ISTD	R.T.	
16.003	3.84 ng	88439	Perylene-d12	15.551	
Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Pentacosane	352	C25H52	000629-99-2	91
2	Octacosane, 2-methyl-	408	C29H60	001560-98-1	90
3	Tetratetracontane	619	C44H90	007098-22-8	90
4	Triacontane	422	C30H62	000638-68-6	90
5	Hentriacontane	437	C31H64	000630-04-6	90



Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF070825\
Data File : BF143030.D
Acq On : 08 Jul 2025 13:31
Operator : RC/JU
Sample : Q2514-07
Misc :
ALS Vial : 7 Sample Multiplier: 1

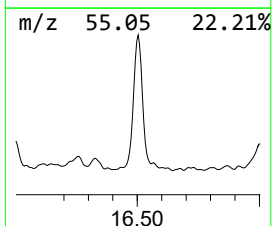
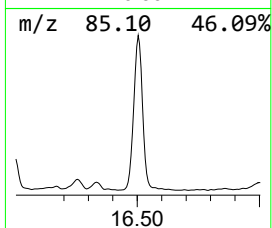
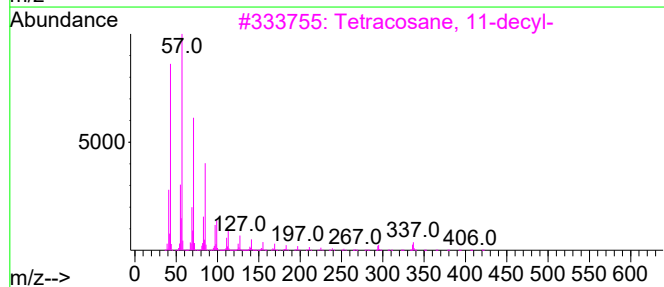
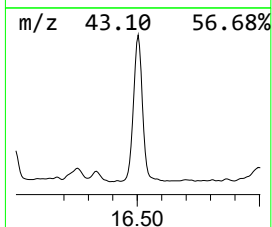
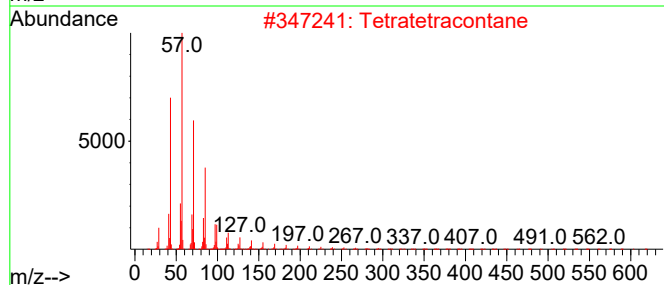
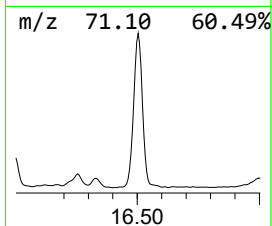
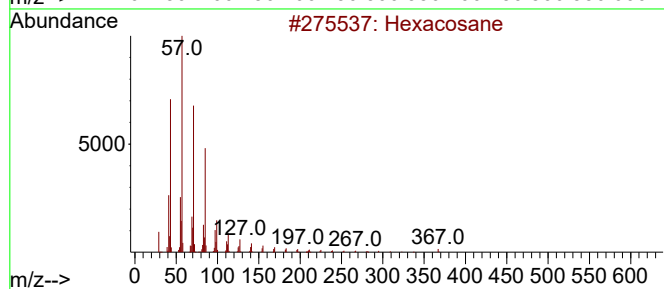
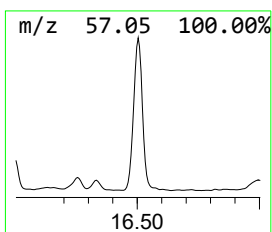
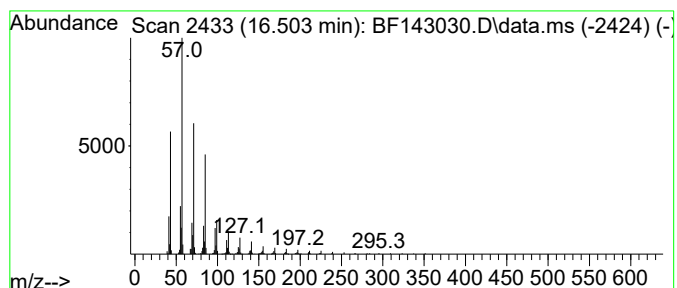
Instrument :
BNA_F
ClientSampleId :
TP-36

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 Tetracosane, 11-decyl- Concentration Rank 9

R.T.	EstConc	Area	Relative to ISTD		R.T.	
16.503	26.50 ng	610528	Perylene-d12		15.551	
Hit# of 5	Tentative ID		MW	MolForm	CAS#	Qual
1	Hexacosane		366	C26H54	000630-01-3	94
2	Tetratetracontane		619	C44H90	007098-22-8	91
3	Tetracosane, 11-decyl-		479	C34H70	055429-84-0	91
4	Octacosane, 2-methyl-		408	C29H60	001560-98-1	91
5	Docosane		310	C22H46	000629-97-0	91



Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF070825\
Data File : BF143030.D
Acq On : 08 Jul 2025 13:31
Operator : RC/JU
Sample : Q2514-07
Misc :
ALS Vial : 7 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
TP-36

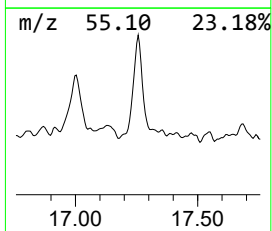
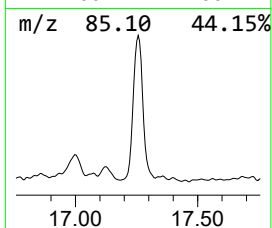
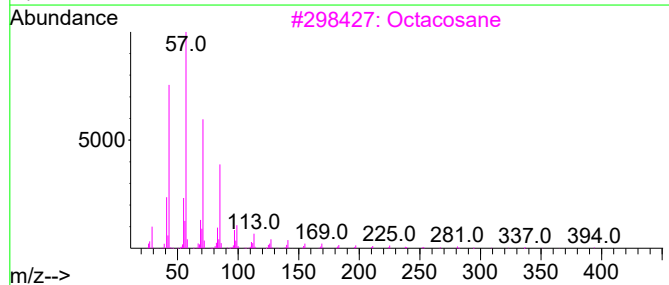
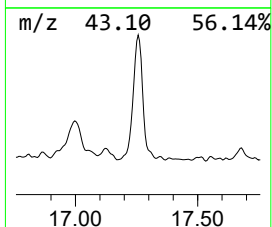
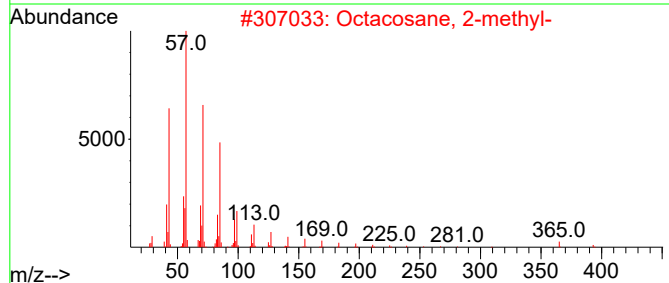
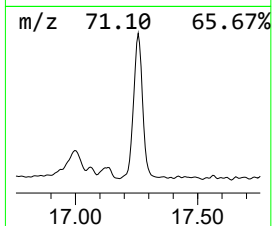
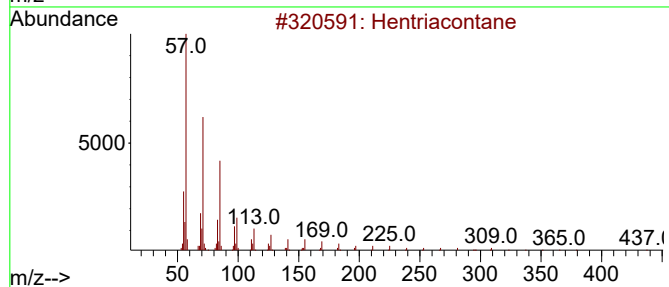
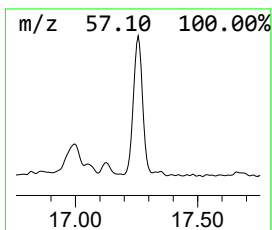
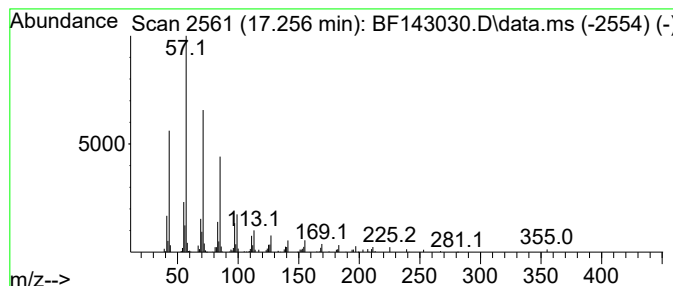
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF061925.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 20 unknown17.256 Concentration Rank 13

R.T.	EstConc	Area	Relative to ISTD	R.T.
17.256	8.99 ng	207112	Perylene-d12	15.551

Hit#	of 5	Tentative ID	MW	MolForm	CAS#	Qual
1		Hentriacontane	437	C31H64	000630-04-6	94
2		Octacosane, 2-methyl-	408	C29H60	001560-98-1	91
3		Octacosane	394	C28H58	000630-02-4	91
4		Tetratetracontane	619	C44H90	007098-22-8	91
5		Pentacosane	352	C25H52	000629-99-2	91



Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF070825\
Data File : BF143030.D
Acq On : 08 Jul 2025 13:31
Operator : RC/JU
Sample : Q2514-07
Misc :
ALS Vial : 7 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
TP-36

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

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

TIC Top Hit name	RT	EstConc	Units	Response	--Internal Standard--			
					#	RT	Resp	Conc
2-Pentanone, 4-...	5.087	5.5	ng	79264	1	6.875	286832	20.0
Benzophenone	10.627	7.4	ng	147926	3	9.916	401452	20.0
n-Hexadecanoic ...	11.921	37.5	ng	653955	4	11.404	348879	20.0
Heneicosane	12.480	14.8	ng	257834	4	11.404	348879	20.0
Octadecanoic acid	12.710	55.3	ng	964224	4	11.404	348879	20.0
Heptacosane	13.239	57.0	ng	725393	5	14.057	254706	20.0
Octacosane	13.839	120.8	ng	1537920	5	14.057	254706	20.0
1-Hexadecanol	13.904	5.3	ng	67764	5	14.057	254706	20.0
Eicosane	14.345	170.8	ng	2175450	5	14.057	254706	20.0
Hentriacontane	14.509	5.5	ng	69774	5	14.057	254706	20.0
Pentadecafluoro...	14.651	15.7	ng	199260	5	14.057	254706	20.0
Tetracosane	14.804	217.3	ng	2767800	5	14.057	254706	20.0
Tricosane, 2-me...	15.098	3.5	ng	81180	6	15.551	460759	20.0
Octacosane, 2-m...	15.168	8.3	ng	190975	6	15.551	460759	20.0
Hexacosane	15.310	102.8	ng	2367740	6	15.551	460759	20.0
Octadecanoic ac...	15.680	17.0	ng	392426	6	15.551	460759	20.0
Pentacosane	15.862	66.0	ng	1520510	6	15.551	460759	20.0
Tetratetracontane	16.003	3.8	ng	88439	6	15.551	460759	20.0
Tetracosane, 11...	16.503	26.5	ng	610528	6	15.551	460759	20.0
unknown17.256	17.256	9.0	ng	207112	6	15.551	460759	20.0

Report of Analysis

Client:	CDM Smith	Date Collected:	07/03/25
Project:	South River WM Replacement	Date Received:	07/03/25
Client Sample ID:	TP-78	SDG No.:	Q2514
Lab Sample ID:	Q2514-08	Matrix:	SOIL
Analytical Method:	8270E	% Solid:	86.3
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
		PH :	
		GPC Cleanup :	N

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
BF143031.D	1	07/07/25 09:00	07/08/25 14:02	PB168737

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	28.1	U	28.1	200	ug/Kg
95-57-8	2-Chlorophenol	28.2	U	28.2	200	ug/Kg
95-48-7	2-Methylphenol	34.6	U	34.6	200	ug/Kg
108-60-1	2,2-oxybis(1-Chloropropane)	43.4	U	43.4	200	ug/Kg
98-86-2	Acetophenone	34.1	U	34.1	200	ug/Kg
65794-96-9	3+4-Methylphenols	47.6	U	47.6	380	ug/Kg
621-64-7	n-Nitroso-di-n-propylamine	54.9	U	54.9	92.6	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	67.3	U	67.3	200	ug/Kg
105-67-9	2,4-Dimethylphenol	75.0	U	75.0	200	ug/Kg
111-91-1	bis(2-Chloroethoxy)methane	35.6	U	35.6	200	ug/Kg
120-83-2	2,4-Dichlorophenol	32.7	U	32.7	200	ug/Kg
91-20-3	Naphthalene	26.3	U	26.3	200	ug/Kg
106-47-8	4-Chloroaniline	41.0	U	41.0	200	ug/Kg
87-68-3	Hexachlorobutadiene	29.3	U	29.3	200	ug/Kg
105-60-2	Caprolactam	60.3	U	60.3	380	ug/Kg
59-50-7	4-Chloro-3-methylphenol	33.2	U	33.2	200	ug/Kg
91-57-6	2-Methylnaphthalene	29.6	U	29.6	200	ug/Kg
77-47-4	Hexachlorocyclopentadiene	130	U	130	380	ug/Kg
88-06-2	2,4,6-Trichlorophenol	22.9	U	22.9	200	ug/Kg
95-95-4	2,4,5-Trichlorophenol	33.7	U	33.7	200	ug/Kg
92-52-4	1,1-Biphenyl	25.2	U	25.2	200	ug/Kg
91-58-7	2-Chloronaphthalene	26.0	U	26.0	200	ug/Kg
88-74-4	2-Nitroaniline	55.7	U	55.7	200	ug/Kg
131-11-3	Dimethylphthalate	31.4	U	31.4	200	ug/Kg

Report of Analysis

Client:	CDM Smith	Date Collected:	07/03/25
Project:	South River WM Replacement	Date Received:	07/03/25
Client Sample ID:	TP-78	SDG No.:	Q2514
Lab Sample ID:	Q2514-08	Matrix:	SOIL
Analytical Method:	8270E	% Solid:	86.3
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
BF143031.D	1	07/07/25 09:00	07/08/25 14:02	PB168737

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units(Dry Weight)
208-96-8	Acenaphthylene	33.4	U	33.4	200	ug/Kg
606-20-2	2,6-Dinitrotoluene	38.9	U	38.9	200	ug/Kg
99-09-2	3-Nitroaniline	53.2	U	53.2	200	ug/Kg
83-32-9	Acenaphthene	24.6	U	24.6	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	26.3	U	26.3	200	ug/Kg
121-14-2	2,4-Dinitrotoluene	58.0	U	58.0	200	ug/Kg
84-66-2	Diethylphthalate	32.7	U	32.7	200	ug/Kg
7005-72-3	4-Chlorophenyl-phenylether	30.9	U	30.9	200	ug/Kg
86-73-7	Fluorene	29.3	U	29.3	200	ug/Kg
100-01-6	4-Nitroaniline	74.3	U	74.3	200	ug/Kg
534-52-1	4,6-Dinitro-2-methylphenol	120	U	120	380	ug/Kg
86-30-6	n-Nitrosodiphenylamine	38.1	U	38.1	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	39.3	U	39.3	200	ug/Kg
87-86-5	Pentachlorophenol	59.4	U	59.4	380	ug/Kg
85-01-8	Phenanthrene	24.2	U	24.2	200	ug/Kg
120-12-7	Anthracene	38.5	U	38.5	200	ug/Kg
86-74-8	Carbazole	36.1	U	36.1	200	ug/Kg
84-74-2	Di-n-butylphthalate	55.4	U	55.4	200	ug/Kg
206-44-0	Fluoranthene	34.7	U	34.7	200	ug/Kg
129-00-0	Pyrene	41.7	U	41.7	200	ug/Kg
85-68-7	Butylbenzylphthalate	82.6	U	82.6	200	ug/Kg
91-94-1	3,3-Dichlorobenzidine	42.5	U	42.5	380	ug/Kg
56-55-3	Benzo(a)anthracene	26.6	U	26.6	200	ug/Kg
218-01-9	Chrysene	23.0	U	23.0	200	ug/Kg
117-81-7	Bis(2-ethylhexyl)phthalate	68.5	U	68.5	200	ug/Kg
117-84-0	Di-n-octyl phthalate	100	U	100	380	ug/Kg
205-99-2	Benzo(b)fluoranthene	22.0	U	22.0	200	ug/Kg

Report of Analysis

Client:	CDM Smith	Date Collected:	07/03/25
Project:	South River WM Replacement	Date Received:	07/03/25
Client Sample ID:	TP-78	SDG No.:	Q2514
Lab Sample ID:	Q2514-08	Matrix:	SOIL
Analytical Method:	8270E	% Solid:	86.3
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
BF143031.D	1	07/07/25 09:00	07/08/25 14:02	PB168737

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units(Dry Weight)
207-08-9	Benzo(k)fluoranthene	25.9	U	25.9	200	ug/Kg
50-32-8	Benzo(a)pyrene	34.1	U	34.1	200	ug/Kg
193-39-5	Indeno(1,2,3-cd)pyrene	33.7	U	33.7	200	ug/Kg
53-70-3	Dibenzo(a,h)anthracene	31.7	U	31.7	200	ug/Kg
191-24-2	Benzo(g,h,i)perylene	29.7	U	29.7	200	ug/Kg
95-94-3	1,2,4,5-Tetrachlorobenzene	29.6	U	29.6	200	ug/Kg
123-91-1	1,4-Dioxane	52.3	U	52.3	200	ug/Kg
58-90-2	2,3,4,6-Tetrachlorophenol	31.7	U	31.7	200	ug/Kg

SURROGATES

367-12-4	2-Fluorophenol	93.0		18 - 112	62%	SPK: 150
13127-88-3	Phenol-d6	95.8		15 - 107	64%	SPK: 150
4165-60-0	Nitrobenzene-d5	61.0		18 - 107	61%	SPK: 100
321-60-8	2-Fluorobiphenyl	60.2		20 - 109	60%	SPK: 100
118-79-6	2,4,6-Tribromophenol	67.5		10 - 116	45%	SPK: 150
1718-51-0	Terphenyl-d14	46.7		10 - 105	47%	SPK: 100

INTERNAL STANDARDS

3855-82-1	1,4-Dichlorobenzene-d4	50600	6.875	
1146-65-2	Naphthalene-d8	193000	8.157	
15067-26-2	Acenaphthene-d10	95900	9.916	
1517-22-2	Phenanthrene-d10	148000	11.404	
1719-03-5	Chrysene-d12	94400	14.057	
1520-96-3	Perylene-d12	118000	15.551	

TENTATIVE IDENTIFIED COMPOUNDS

000123-42-2	2-Pentanone, 4-hydroxy-4-methyl-	250	AB	5.09	ug/Kg
000119-61-9	Benzophenone	320	J	10.6	ug/Kg
000057-11-4	Octadecanoic acid	120	J	12.7	ug/Kg
079392-43-1	Octadecyl trifluoroacetate	150	J	13.9	ug/Kg
1000507-07-6	Phenyl(2-phenyl-1,3-dioxolan-2-yl)	180	J	13.9	ug/Kg
000630-02-4	Octacosane	94.9	J	15.2	ug/Kg
1000406-32-4	Dotriacontane, 1-iodo-	110	J	16.0	ug/Kg

Report of Analysis

Client:	CDM Smith	Date Collected:	07/03/25
Project:	South River WM Replacement	Date Received:	07/03/25
Client Sample ID:	TP-78	SDG No.:	Q2514
Lab Sample ID:	Q2514-08	Matrix:	SOIL
Analytical Method:	8270E	% Solid:	86.3
Sample Wt/Vol:	30.04	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
BF143031.D	1	07/07/25 09:00	07/08/25 14:02	PB168737

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\BF070825\
Data File : BF143031.D
Acq On : 08 Jul 2025 14:02
Operator : RC/JU
Sample : Q2514-08
Misc :
ALS Vial : 8 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
TP-78

Quant Time: Jul 08 14:25:55 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	50576	20.000	ng	0.00
21) Naphthalene-d8	8.157	136	192739	20.000	ng	-0.01
39) Acenaphthene-d10	9.916	164	95941	20.000	ng	0.00
64) Phenanthrene-d10	11.404	188	147510	20.000	ng	0.00
76) Chrysene-d12	14.057	240	94443	20.000	ng	0.00
86) Perylene-d12	15.551	264	118368	20.000	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.493	112	282467	92.986	ng	0.00
7) Phenol-d6	6.504	99	343341	95.800	ng	0.00
23) Nitrobenzene-d5	7.434	82	214248	60.972	ng	-0.01
42) 2,4,6-Tribromophenol	10.710	330	66616	67.473	ng	0.00
45) 2-Fluorobiphenyl	9.233	172	439650	60.199	ng	-0.01
79) Terphenyl-d14	12.992	244	318932	46.660	ng	0.00

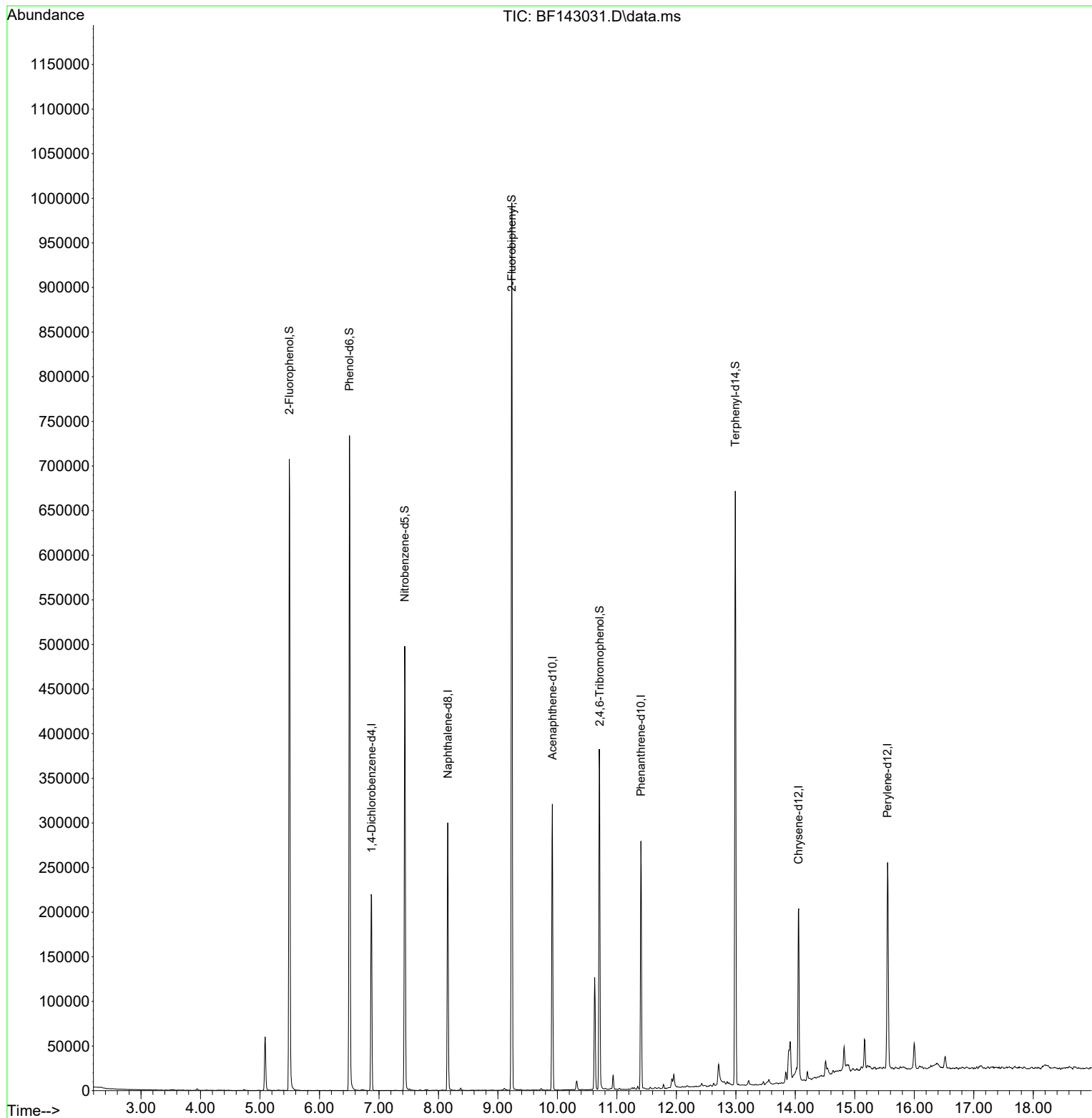
Target Compounds	Qvalue

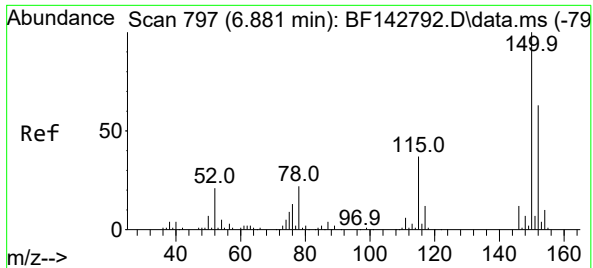
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF070825\
Data File : BF143031.D
Acq On : 08 Jul 2025 14:02
Operator : RC/JU
Sample : Q2514-08
Misc :
ALS Vial : 8 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
TP-78

Quant Time: Jul 08 14:25:55 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

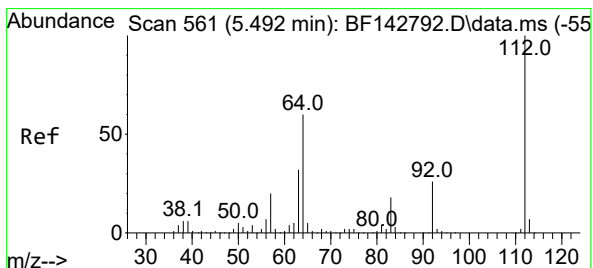
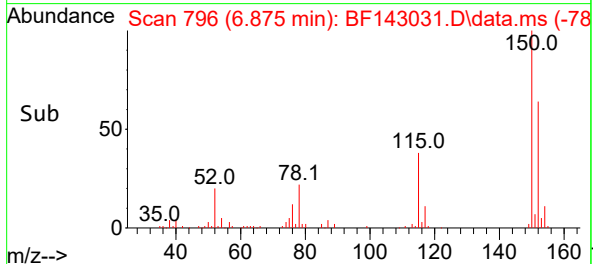
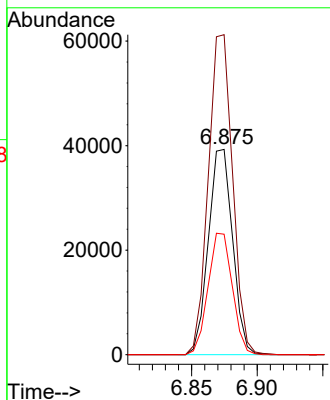
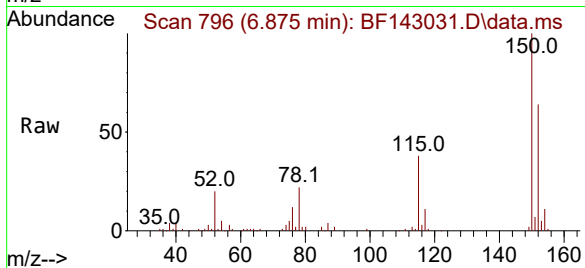




#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.875 min Scan# 797
Delta R.T. -0.006 min
Lab File: BF143031.D
Acq: 08 Jul 2025 14:02

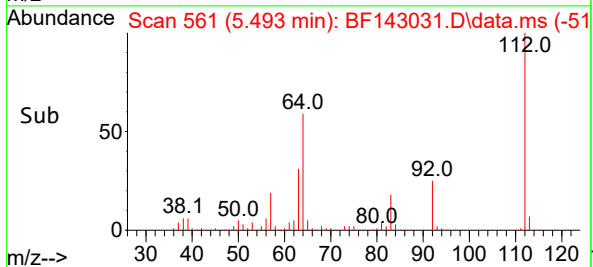
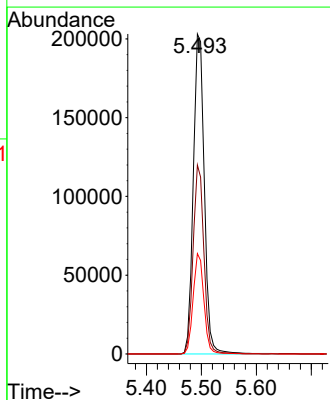
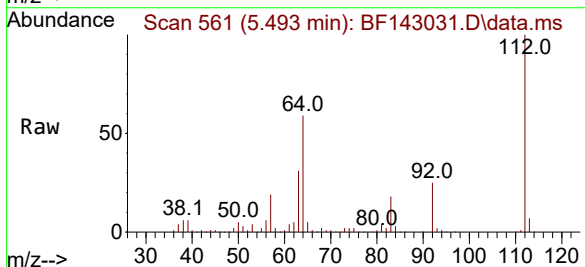
Instrument :
BNA_F
ClientSampleId :
TP-78

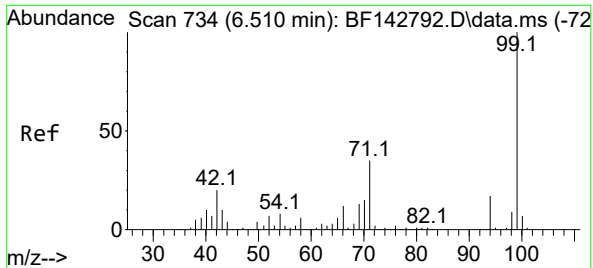
Tgt Ion:152 Resp: 50576
Ion Ratio Lower Upper
152 100
150 155.8 127.2 190.8
115 58.7 46.6 69.8



#5
2-Fluorophenol
Concen: 92.986 ng
RT: 5.493 min Scan# 561
Delta R.T. 0.001 min
Lab File: BF143031.D
Acq: 08 Jul 2025 14:02

Tgt Ion:112 Resp: 282467
Ion Ratio Lower Upper
112 100
64 59.1 48.2 72.2
63 31.3 25.7 38.5

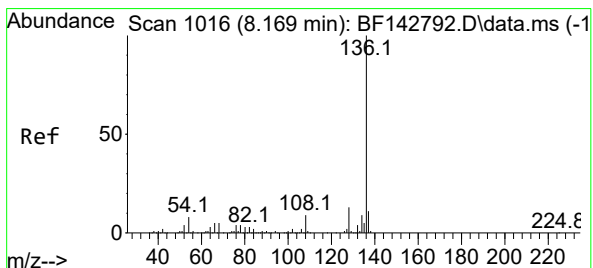
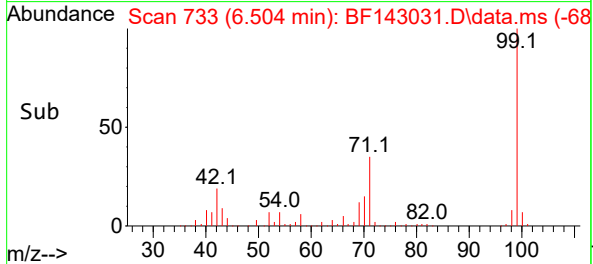
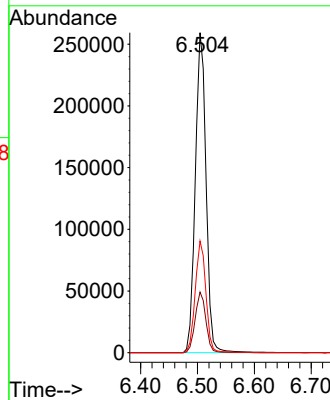
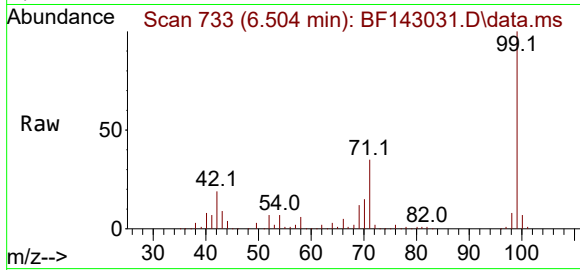




#7
Phenol-d6
Concen: 95.800 ng
RT: 6.504 min Scan# 71
Delta R.T. -0.006 min
Lab File: BF143031.D
Acq: 08 Jul 2025 14:02

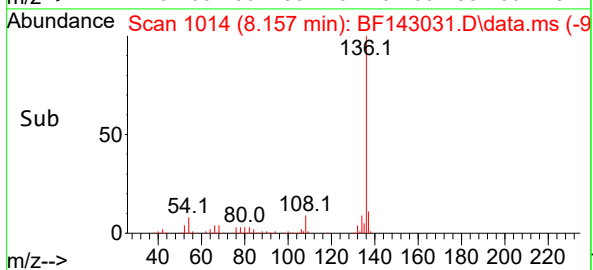
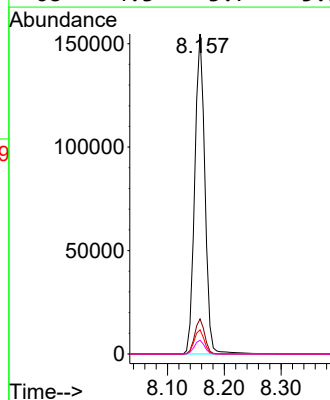
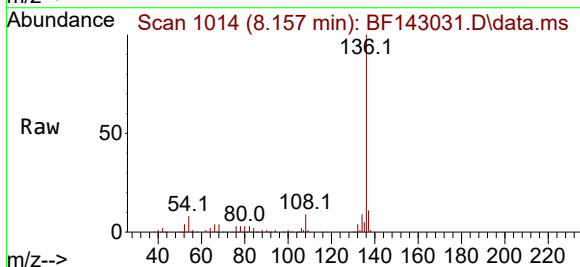
Instrument :
BNA_F
ClientSampleId :
TP-78

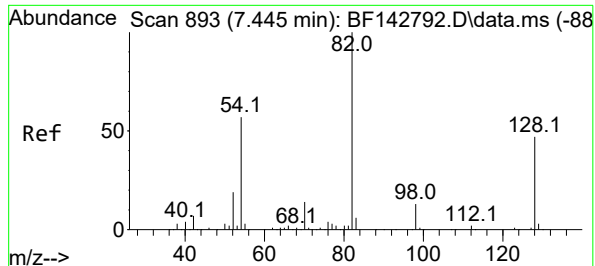
Tgt Ion: 99 Resp: 343341
Ion Ratio Lower Upper
99 100
42 19.0 15.9 23.9
71 34.9 27.8 41.8



#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.157 min Scan# 1014
Delta R.T. -0.012 min
Lab File: BF143031.D
Acq: 08 Jul 2025 14:02

Tgt Ion: 136 Resp: 192739
Ion Ratio Lower Upper
136 100
137 10.9 8.4 12.6
54 7.5 6.3 9.5
68 4.3 3.7 5.5





#23

Nitrobenzene-d5

Concen: 60.972 ng

RT: 7.434 min Scan# 89

Delta R.T. -0.011 min

Lab File: BF143031.D

Acq: 08 Jul 2025 14:02

Instrument :

BNA_F

ClientSampleId :

TP-78

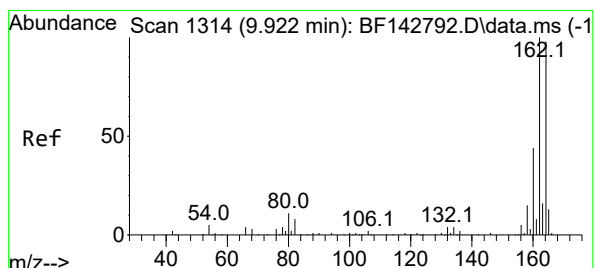
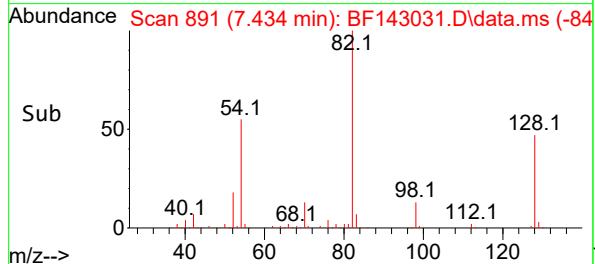
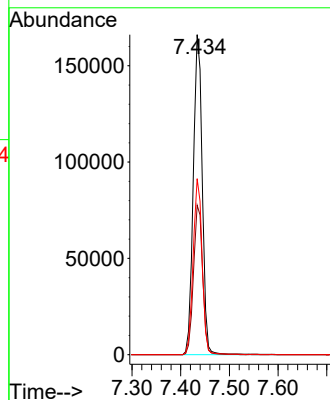
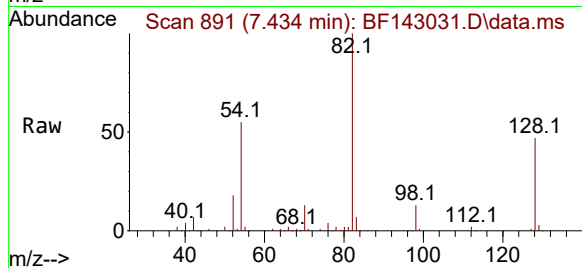
Tgt Ion: 82 Resp: 214248

Ion Ratio Lower Upper

82 100

128 46.7 37.7 56.5

54 55.0 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: BF143031.D

Acq: 08 Jul 2025 14:02

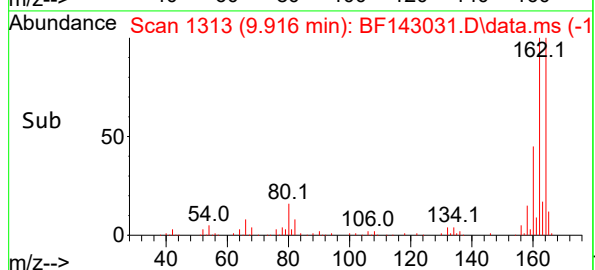
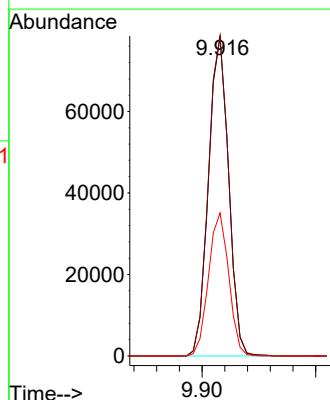
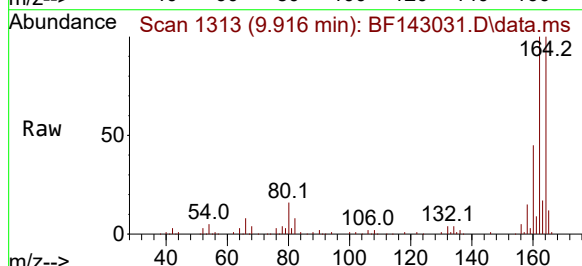
Tgt Ion:164 Resp: 95941

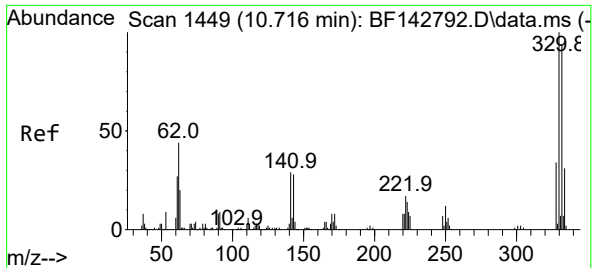
Ion Ratio Lower Upper

164 100

162 100.4 81.8 122.8

160 44.9 36.0 54.0





#42

2,4,6-Tribromophenol

Concen: 67.473 ng

RT: 10.710 min Scan# 1449

Delta R.T. -0.006 min

Lab File: BF143031.D

Acq: 08 Jul 2025 14:02

Instrument :

BNA_F

ClientSampleId :

TP-78

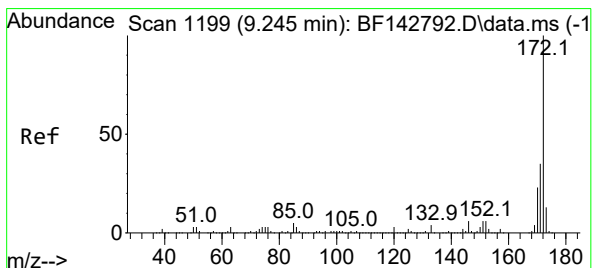
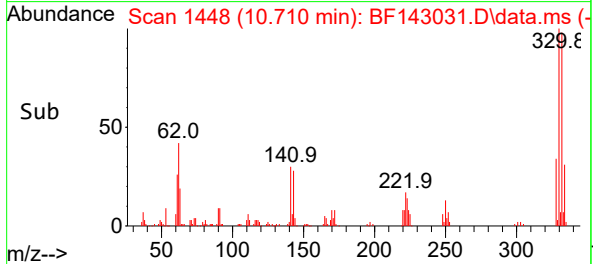
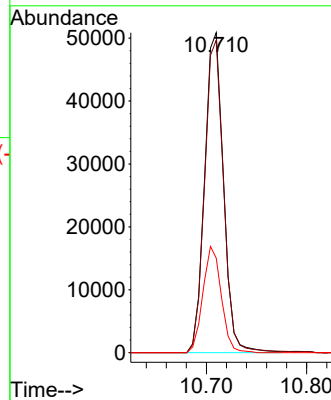
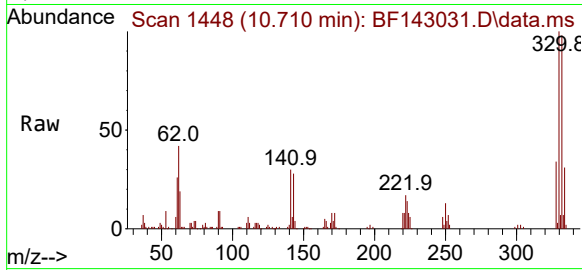
Tgt Ion:330 Resp: 66616

Ion Ratio Lower Upper

330 100

332 98.3 75.0 112.6

141 32.3 25.3 37.9



#45

2-Fluorobiphenyl

Concen: 60.199 ng

RT: 9.233 min Scan# 1197

Delta R.T. -0.012 min

Lab File: BF143031.D

Acq: 08 Jul 2025 14:02

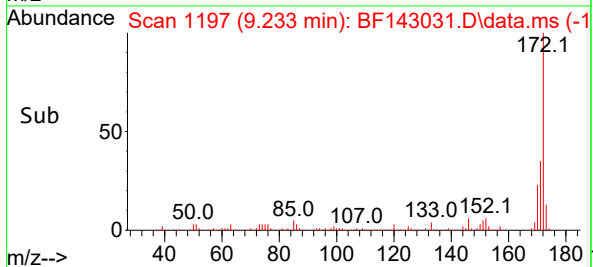
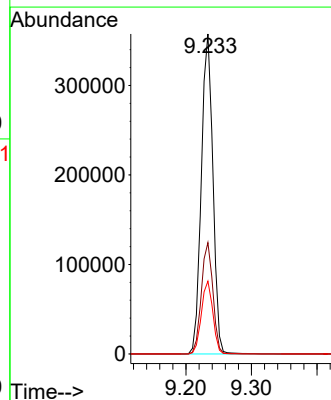
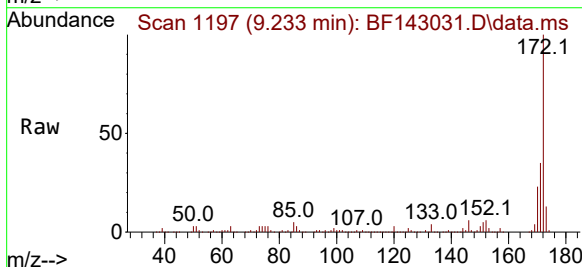
Tgt Ion:172 Resp: 439650

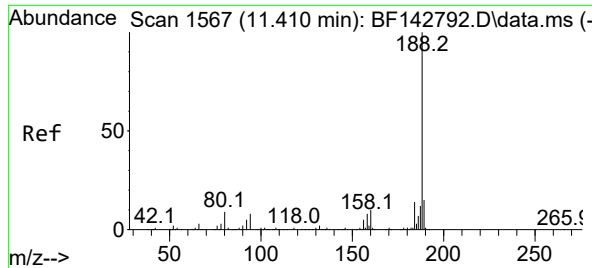
Ion Ratio Lower Upper

172 100

171 34.8 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: BF143031.D

Acq: 08 Jul 2025 14:02

Instrument :

BNA_F

ClientSampleId :

TP-78

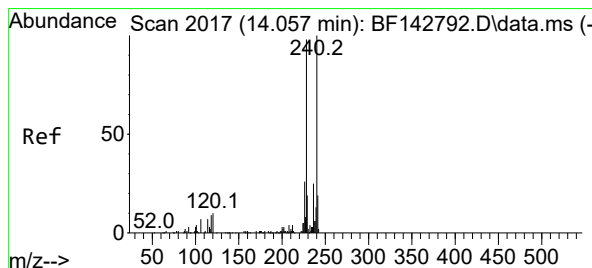
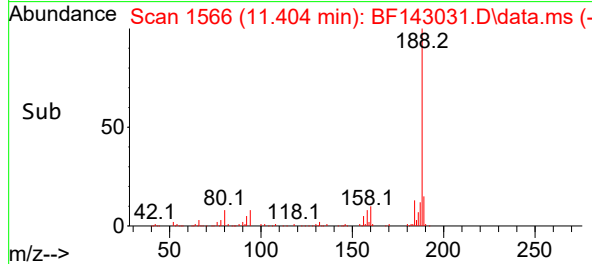
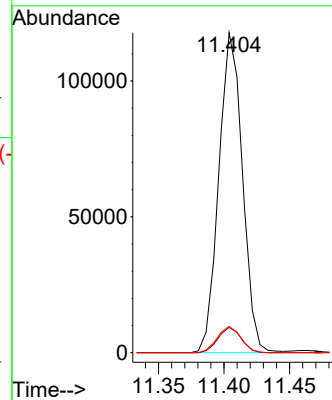
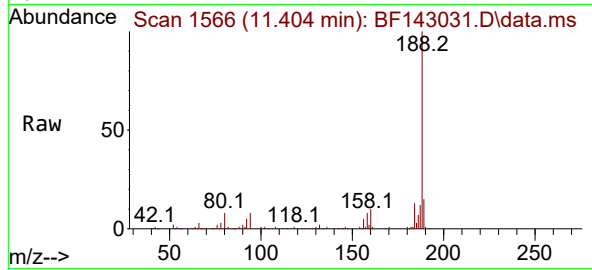
Tgt Ion:188 Resp: 147510

Ion Ratio Lower Upper

188 100

94 7.9 6.7 10.1

80 8.2 6.9 10.3



#76

Chrysene-d12

Concen: 20.000 ng

RT: 14.057 min Scan# 2017

Delta R.T. 0.000 min

Lab File: BF143031.D

Acq: 08 Jul 2025 14:02

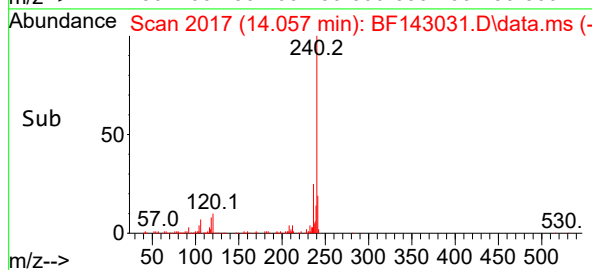
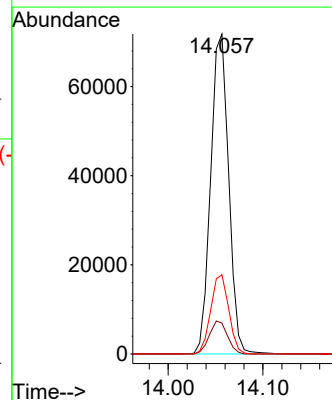
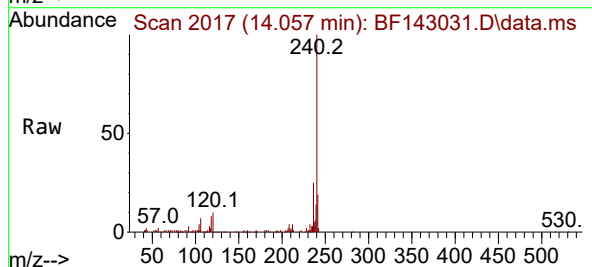
Tgt Ion:240 Resp: 94443

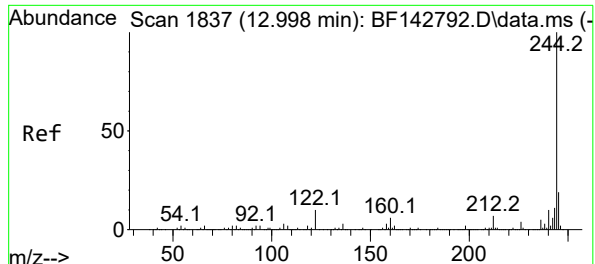
Ion Ratio Lower Upper

240 100

120 9.7 8.2 12.2

236 24.8 19.8 29.8





#79

Terphenyl-d14

Concen: 46.660 ng

RT: 12.992 min Scan# 1836

Delta R.T. -0.006 min

Lab File: BF143031.D

Acq: 08 Jul 2025 14:02

Instrument :

BNA_F

ClientSampleId :

TP-78

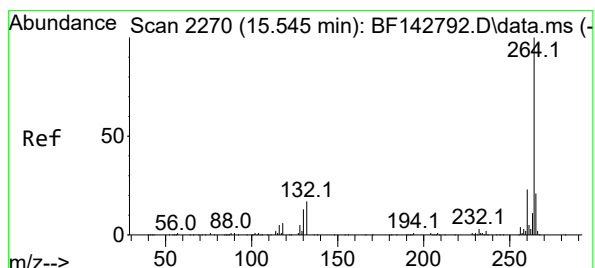
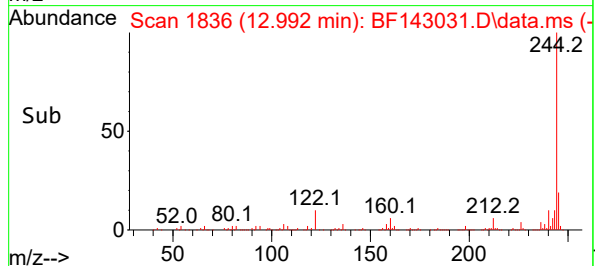
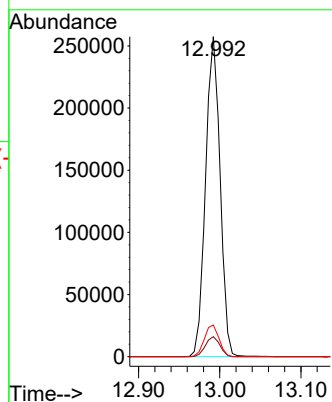
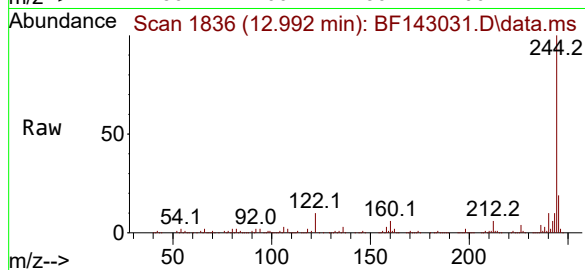
Tgt Ion:244 Resp: 318932

Ion Ratio Lower Upper

244 100

212 6.3 5.4 8.0

122 9.9 8.2 12.2



#86

Perylene-d12

Concen: 20.000 ng

RT: 15.551 min Scan# 2271

Delta R.T. 0.006 min

Lab File: BF143031.D

Acq: 08 Jul 2025 14:02

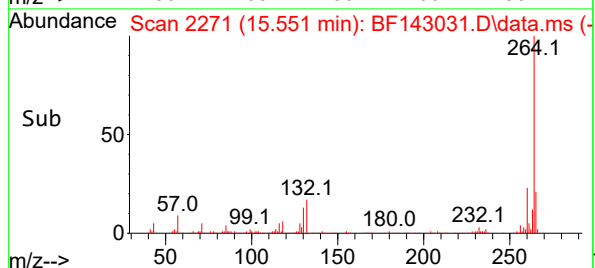
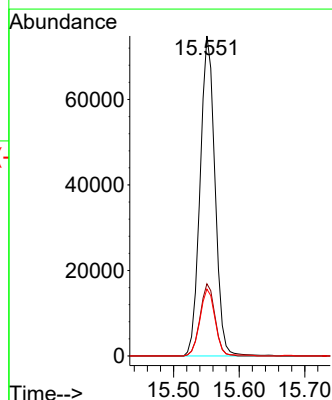
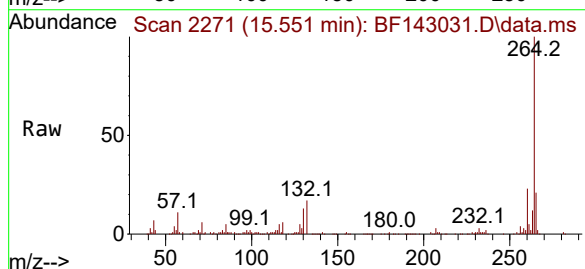
Tgt Ion:264 Resp: 118368

Ion Ratio Lower Upper

264 100

260 22.6 18.1 27.1

265 20.9 16.6 25.0



Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF070825\
 Data File : BF143031.D
 Acq On : 08 Jul 2025 14:02
 Operator : RC/JU
 Sample : Q2514-08
 Misc :
 ALS Vial : 8 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 TP-78

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: BF143031.D\data.ms

peak #	R.T. min	first scan	max scan	last scan	PK TY	peak height	corr. area	corr. % max.	% of total
1	5.087	483	492	503	rBV	60154	89974	7.38%	1.147%
2	5.493	556	561	577	rBV	707271	963414	79.01%	12.282%
3	6.504	728	733	751	rBV	733830	973491	79.83%	12.411%
4	6.869	791	795	801	rBV	219535	279137	22.89%	3.559%
5	7.434	886	891	902	rBV	497623	637896	52.31%	8.132%
6	8.157	1009	1014	1031	rBV	299903	368064	30.18%	4.692%
7	9.233	1191	1197	1202	rBV	994610	1219421	100.00%	15.546%
8	9.916	1308	1313	1318	rBV	320161	392758	32.21%	5.007%
9	10.328	1376	1383	1392	rVB2	9804	15811	1.30%	0.202%
10	10.628	1426	1434	1442	rBV	125690	164171	13.46%	2.093%
11	10.704	1442	1447	1458	rVV	381062	493736	40.49%	6.295%
12	10.939	1483	1487	1491	rVB	15553	19405	1.59%	0.247%
13	11.404	1561	1566	1573	rBV	278208	348125	28.55%	4.438%
14	11.927	1649	1655	1657	rBV3	9796	16395	1.34%	0.209%
15	11.957	1657	1660	1670	rVB	14295	23491	1.93%	0.299%
16	12.710	1782	1788	1801	rBV2	22676	56103	4.60%	0.715%
17	12.992	1831	1836	1841	rBV	664733	820392	67.28%	10.459%
18	13.839	1975	1980	1984	rBV	11896	19637	1.61%	0.250%
19	13.892	1984	1989	1990	rVV2	33510	50835	4.17%	0.648%
20	13.916	1990	1993	1998	rVB	40452	61506	5.04%	0.784%
21	14.057	2012	2017	2026	rVB	192334	268436	22.01%	3.422%
22	14.204	2038	2042	2047	rBV	9640	14986	1.23%	0.191%
23	14.510	2090	2094	2097	rBV	16238	24772	2.03%	0.316%
24	14.821	2143	2147	2152	rBV	22884	31878	2.61%	0.406%
25	15.163	2201	2205	2211	rVB	31740	45354	3.72%	0.578%
26	15.551	2265	2271	2282	rVB	230757	368921	30.25%	4.703%
27	15.998	2342	2347	2355	rVB	28449	50935	4.18%	0.649%
28	16.521	2431	2436	2443	rVB2	13063	24882	2.04%	0.317%

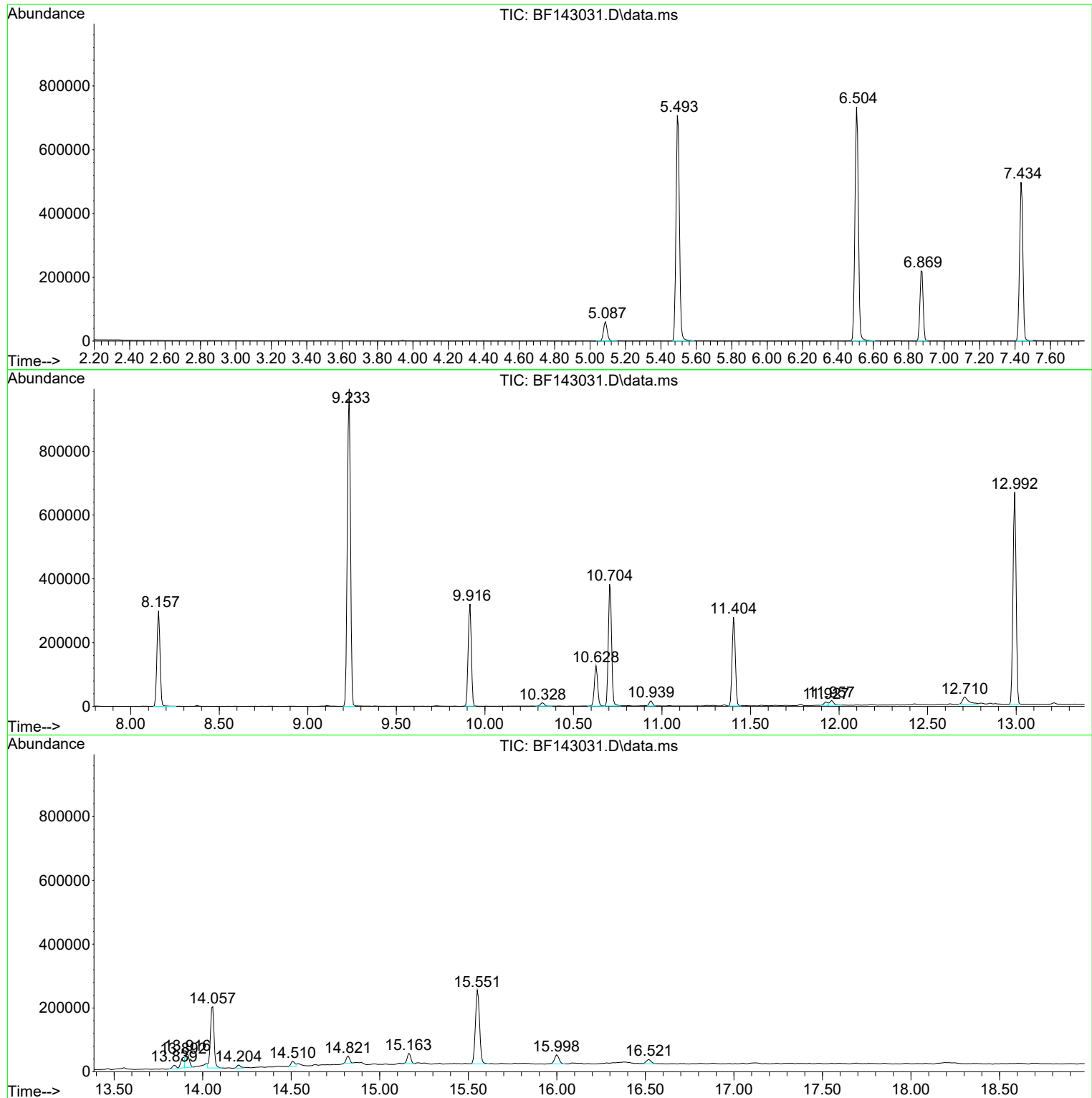
Sum of corrected areas: 7843926

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF070825\
Data File : BF143031.D
Acq On : 08 Jul 2025 14:02
Operator : RC/JU
Sample : Q2514-08
Misc :
ALS Vial : 8 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
TP-78

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\BF070825\
Data File : BF143031.D
Acq On : 08 Jul 2025 14:02
Operator : RC/JU
Sample : Q2514-08
Misc :
ALS Vial : 8 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
TP-78

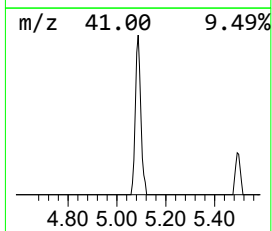
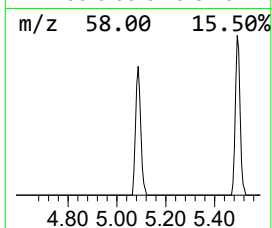
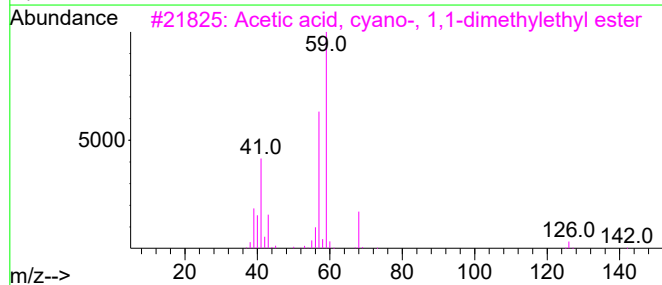
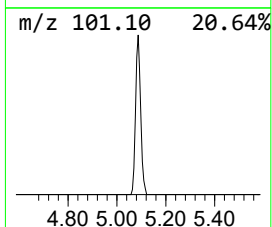
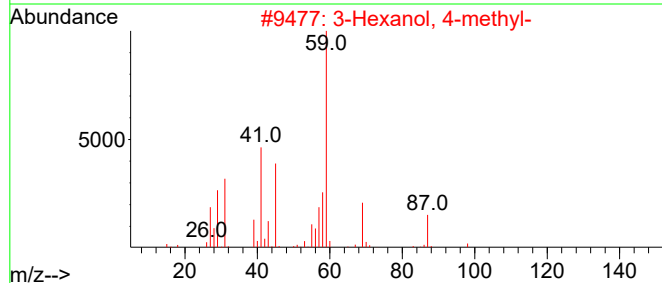
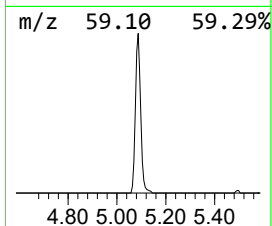
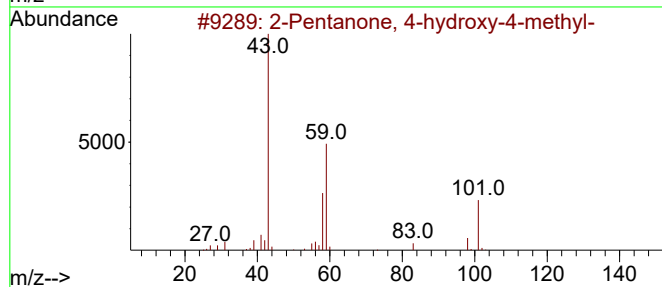
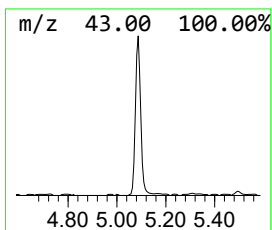
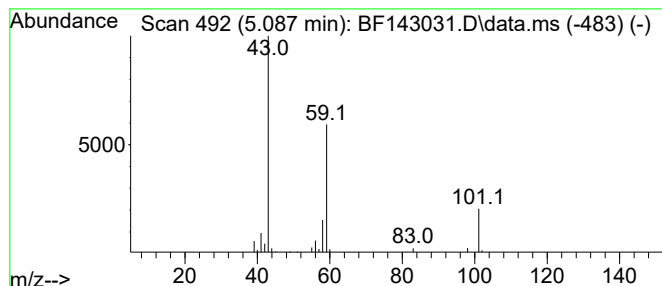
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

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

R.T.	EstConc	Area	Relative to ISTD	R.T.
5.087	6.45 ng	89974	1,4-Dichlorobenzene-d4	6.875

Hit#	of	5	Tentative ID	MW	MolForm	CAS#	Qual
1	2-Pentanone, 4-hydroxy-4-methyl-	116	C6H12O2	000123-42-2	64		
2	3-Hexanol, 4-methyl-	116	C7H16O	000615-29-2	28		
3	Acetic acid, cyano-, 1,1-dimethy...	141	C7H11NO2	001116-98-9	17		
4	Butane, 1-ethoxy-	102	C6H14O	000628-81-9	9		
5	2,3-Butanedione, monooxime	101	C4H7NO2	000057-71-6	9		



Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF070825\
Data File : BF143031.D
Acq On : 08 Jul 2025 14:02
Operator : RC/JU
Sample : Q2514-08
Misc :
ALS Vial : 8 Sample Multiplier: 1

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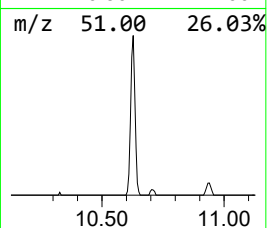
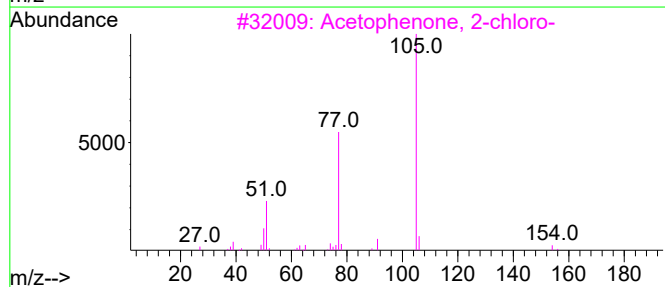
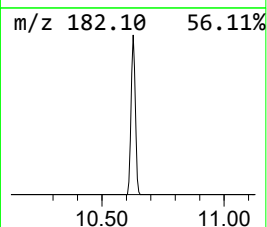
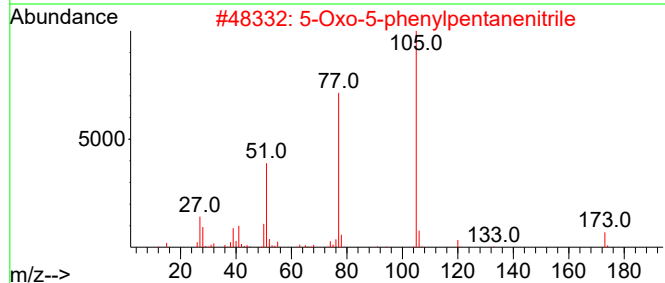
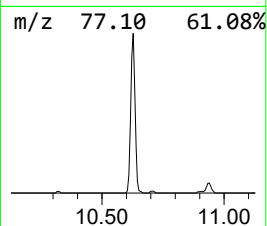
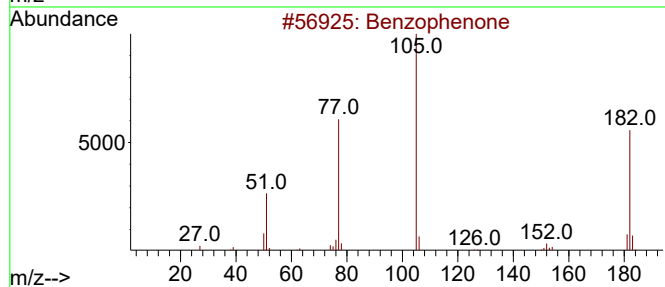
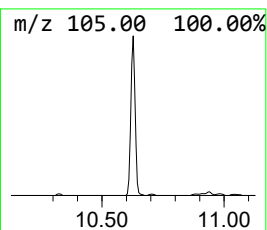
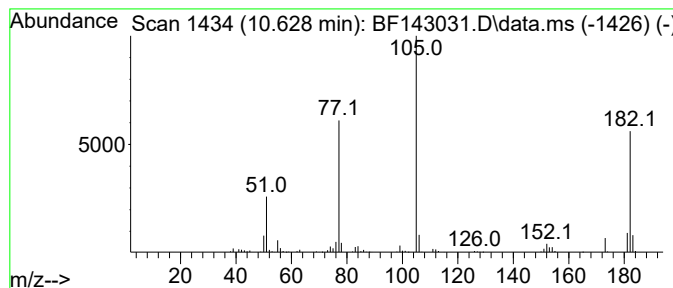
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 2 Benzophenone Concentration Rank 1

R.T.	EstConc	Area	Relative to ISTD	R.T.
10.628	8.36 ng	164171	Acenaphthene-d10	9.916

Hit#	of	5	Tentative ID	MW	MolForm	CAS#	Qual
1			Benzophenone	182	C13H10O	000119-61-9	96
2			5-Oxo-5-phenylpentanenitrile	173	C11H11NO	1000486-83-7	49
3			Acetophenone, 2-chloro-	154	C8H7ClO	000532-27-4	46
4			Benzoylformic acid	150	C8H6O3	000611-73-4	46
5			2-Phenyl-4-ethylidene-2-oxazolin...	187	C11H9NO2	037791-41-6	43



Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF070825\
Data File : BF143031.D
Acq On : 08 Jul 2025 14:02
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Sample : Q2514-08
Misc :
ALS Vial : 8 Sample Multiplier: 1

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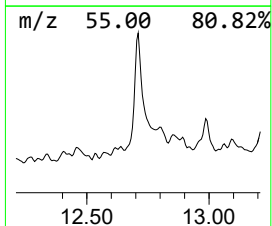
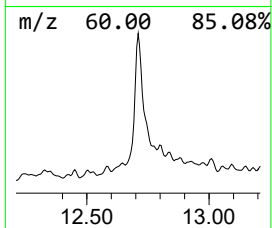
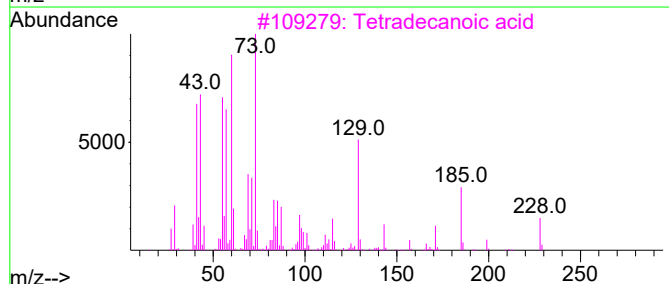
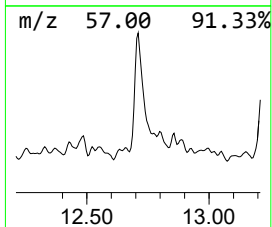
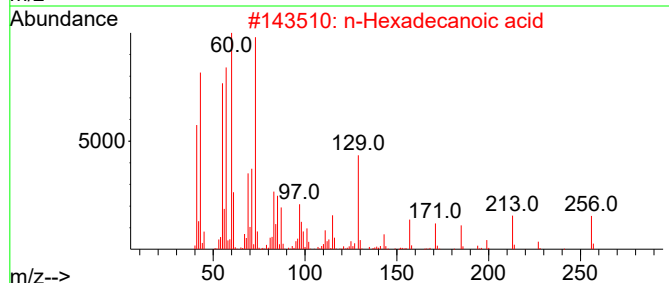
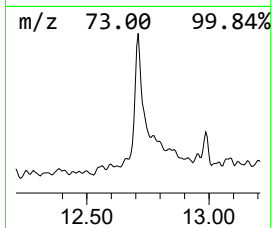
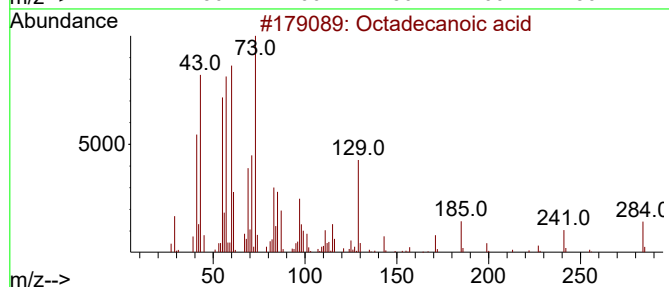
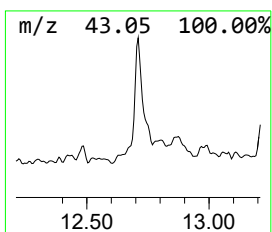
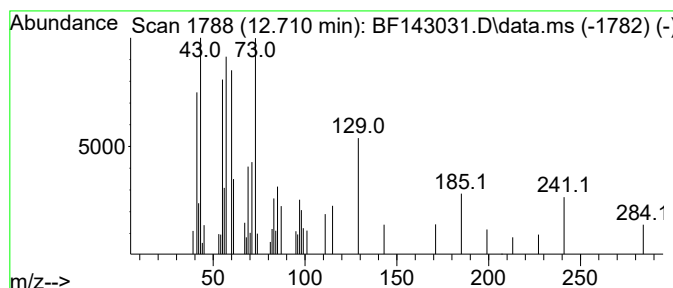
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 3 Octadecanoic acid Concentration Rank 5

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.710	3.22 ng	56103	Phenanthrene-d10	11.404

Hit#	of	5	Tentative ID	MW	MolForm	CAS#	Qual
1			Octadecanoic acid	284	C18H36O2	000057-11-4	98
2			n-Hexadecanoic acid	256	C16H32O2	000057-10-3	81
3			Tetradecanoic acid	228	C14H28O2	000544-63-8	74
4			Pentadecanoic acid	242	C15H30O2	001002-84-2	72
5			Tridecanoic acid	214	C13H26O2	000638-53-9	59



Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF070825\
Data File : BF143031.D
Acq On : 08 Jul 2025 14:02
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Sample : Q2514-08
Misc :
ALS Vial : 8 Sample Multiplier: 1

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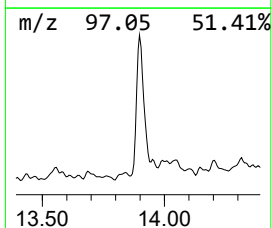
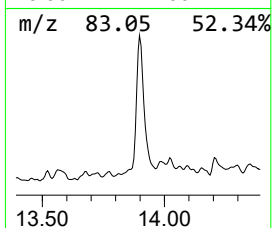
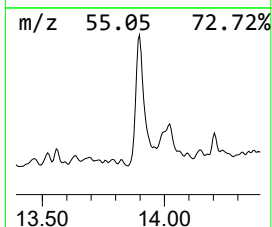
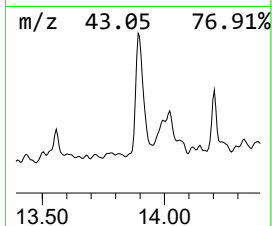
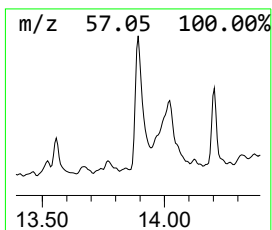
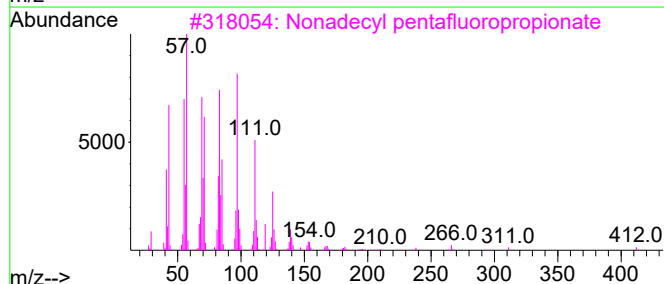
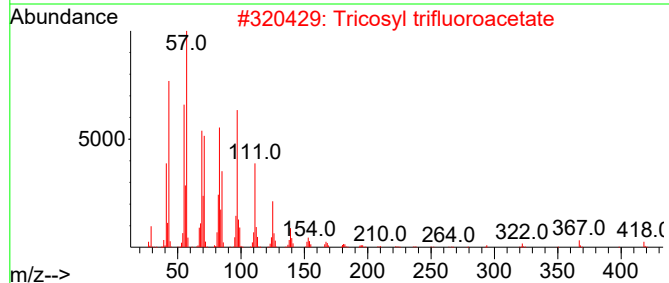
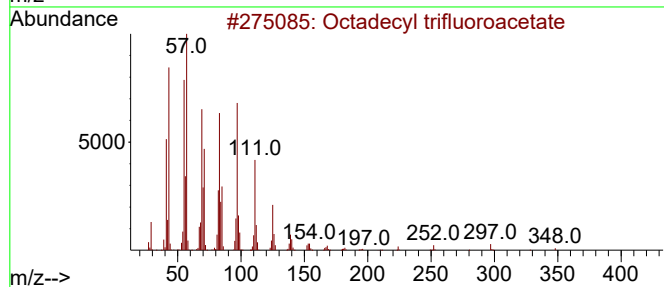
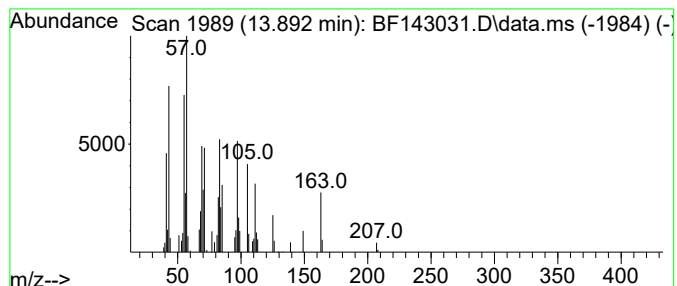
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TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

Peak Number 4 Octadecyl trifluoroacetate Concentration Rank 4

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.892	3.79 ng	50835	Chrysene-d12	14.057

Hit#	of	5	Tentative ID	MW	MolForm	CAS#	Qual
1			Octadecyl trifluoroacetate	366	C20H37F3O2	079392-43-1	87
2			Tricosyl trifluoroacetate	436	C25H47F3O2	1000351-75-1	83
3			Nonadecyl pentafluoropropionate	430	C22H39F5O2	1000351-88-8	83
4			Tricosyl pentafluoropropionate	486	C26H47F5O2	1000351-81-0	74
5			Tricosyl heptafluorobutyrate	536	C27H47F7O2	1000351-83-4	74



Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF070825\
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Sample : Q2514-08
Misc :
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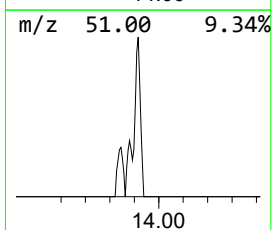
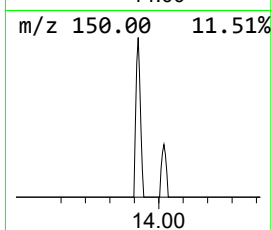
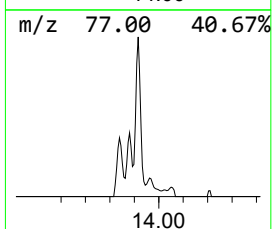
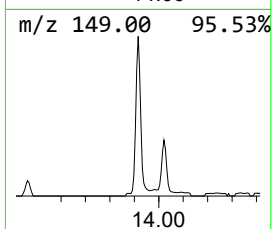
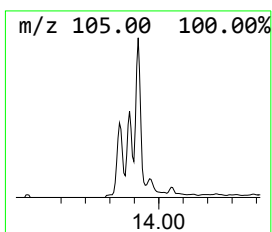
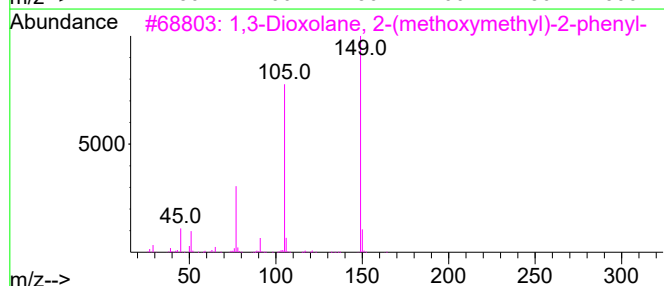
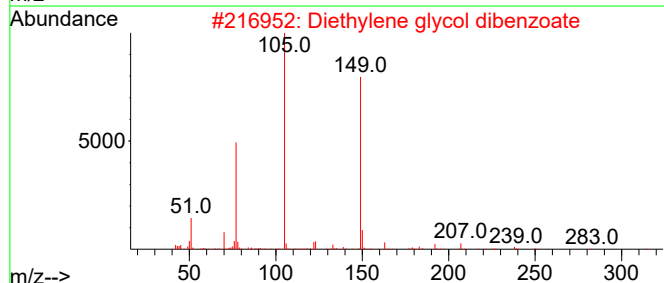
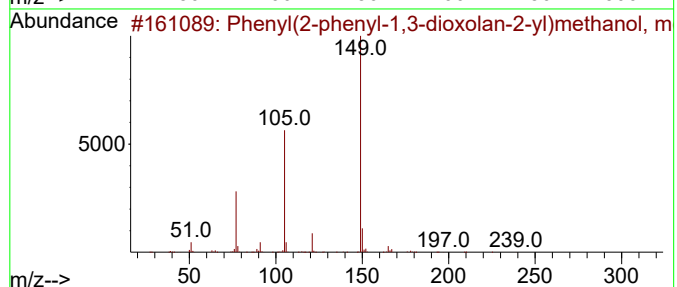
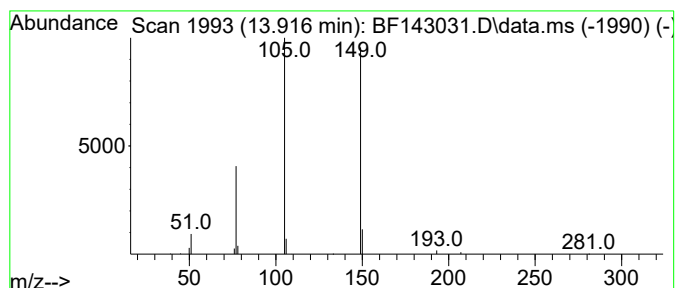
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 5 Phenyl(2-phenyl-1,3-dioxola... Concentration Rank 3

R.T.	EstConc	Area	Relative to ISTD	R.T.	
13.916	4.58 ng	61506	Chrysene-d12	14.057	
Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Phenyl(2-phenyl-1,3-dioxolan-2-y...	270	C17H18O3	1000507-07-6	83
2	Diethylene glycol dibenzoate	314	C18H18O5	000120-55-8	83
3	1,3-Dioxolane, 2-(methoxymethyl)...	194	C11H14O3	1000156-71-2	83
4	2,2'-(Ethane-1,2-diylbis(oxy))bi...	358	C20H22O6	1000366-99-4	83
5	2-(2-(2-Methoxyethoxy)ethoxy)eth...	268	C14H20O5	1000366-99-1	83



Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF070825\
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Sample : Q2514-08
Misc :
ALS Vial : 8 Sample Multiplier: 1

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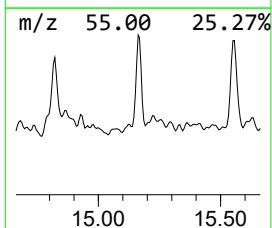
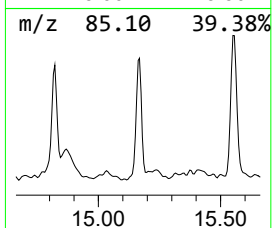
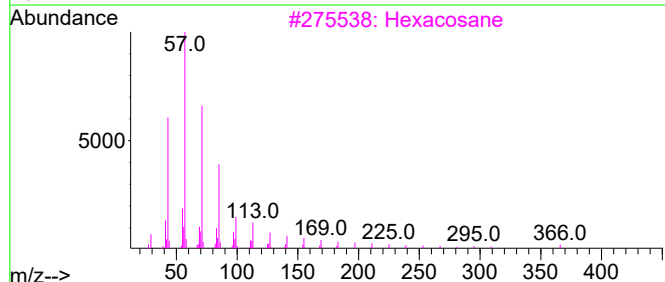
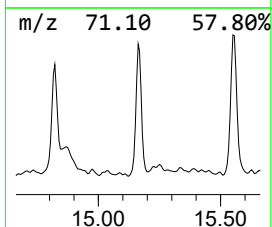
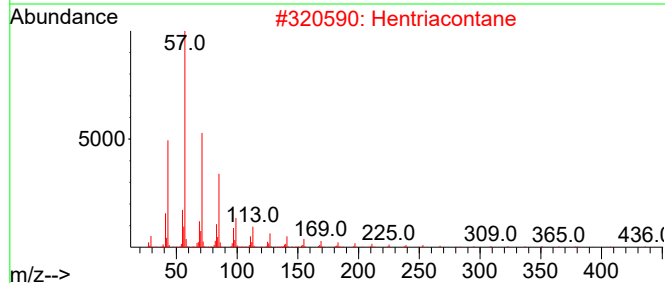
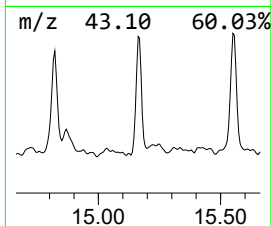
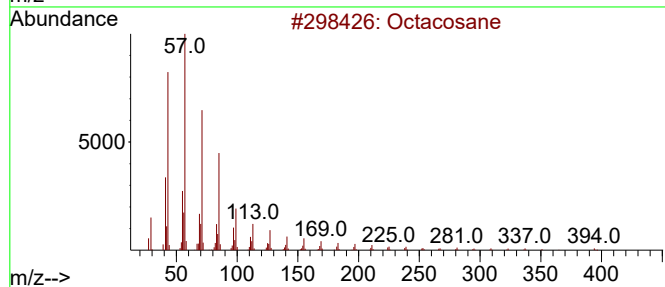
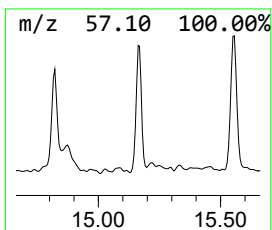
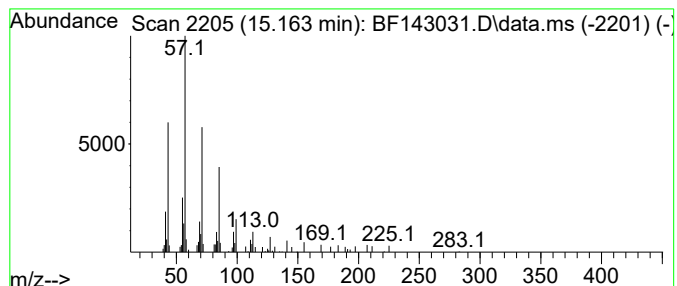
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 6 Octacosane Concentration Rank 7

R.T.	EstConc	Area	Relative to ISTD	R.T.
15.163	2.46 ng	45354	Perylene-d12	15.551

Hit#	of 5	Tentative ID	MW	MolForm	CAS#	Qual
1		Octacosane	394	C28H58	000630-02-4	91
2		Hentriacontane	437	C31H64	000630-04-6	91
3		Hexacosane	366	C26H54	000630-01-3	91
4		Pentacosane	352	C25H52	000629-99-2	91
5		Heptacosane	380	C27H56	000593-49-7	91



Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF070825\
Data File : BF143031.D
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Sample : Q2514-08
Misc :
ALS Vial : 8 Sample Multiplier: 1

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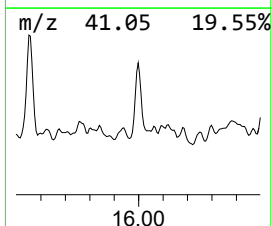
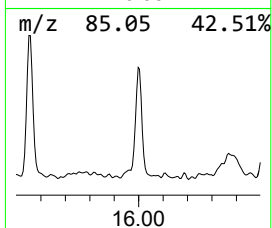
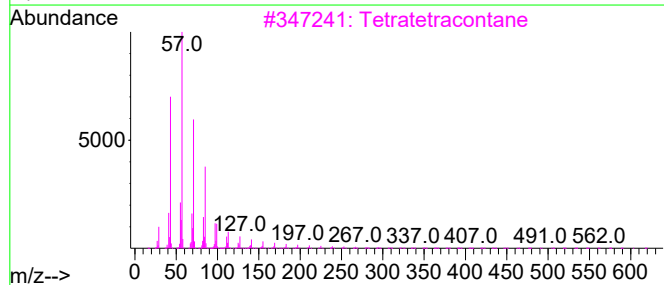
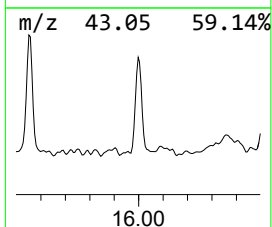
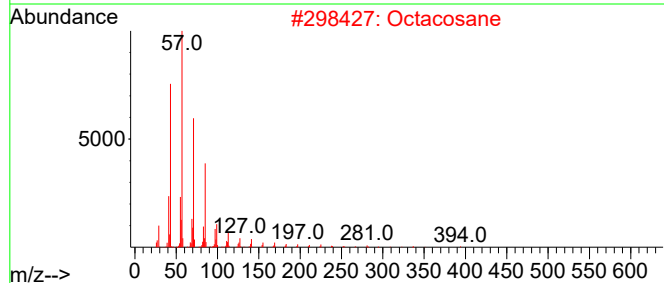
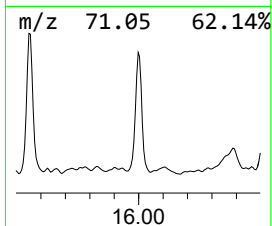
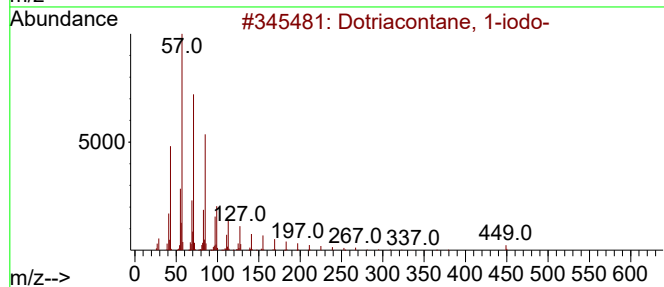
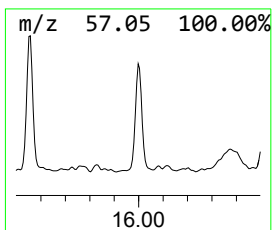
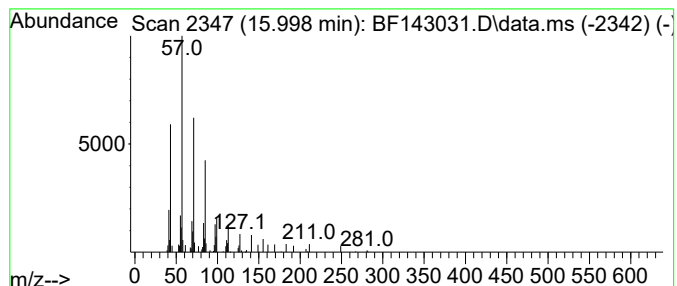
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 7 Dotriacontane, 1-iodo- Concentration Rank 6

R.T.	EstConc	Area	Relative to ISTD	R.T.
15.998	2.76 ng	50935	Perylene-d12	15.551

Hit#	of	5	Tentative ID	MW	MolForm	CAS#	Qual
1			Dotriacontane, 1-iodo-	576	C32H65I	1000406-32-4	91
2			Octacosane	394	C28H58	000630-02-4	91
3			Tetratetracontane	619	C44H90	007098-22-8	91
4			Hentriacontane	437	C31H64	000630-04-6	91
5			Hexacosane	366	C26H54	000630-01-3	90



Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF070825\
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Misc :
ALS Vial : 8 Sample Multiplier: 1

Instrument :
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ClientSampleId :
TP-78

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

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

TIC Top Hit name	RT	EstConc	Units	Response	--Internal Standard--			
					#	RT	Resp	Conc
2-Pentanone, 4-...	5.087	6.5	ng	89974	1	6.875	279137	20.0
Benzophenone	10.628	8.4	ng	164171	3	9.916	392758	20.0
Octadecanoic acid	12.710	3.2	ng	56103	4	11.404	348125	20.0
Octadecyl trifl...	13.892	3.8	ng	50835	5	14.057	268436	20.0
Phenyl(2-phenyl...	13.916	4.6	ng	61506	5	14.057	268436	20.0
Octacosane	15.163	2.5	ng	45354	6	15.551	368921	20.0
Dotriacontane, ...	15.998	2.8	ng	50935	6	15.551	368921	20.0

Report of Analysis

Client:	CDM Smith	Date Collected:	07/03/25
Project:	South River WM Replacement	Date Received:	07/03/25
Client Sample ID:	TP-81	SDG No.:	Q2514
Lab Sample ID:	Q2514-09	Matrix:	SOIL
Analytical Method:	8270E	% Solid:	86.3
Sample Wt/Vol:	30.07	Units:	g
Soil Aliquot Vol:			uL
Extraction Type :		Decanted :	N
Injection Volume :		GPC Factor :	1.0
Prep Method :	SW3541	Level :	LOW
		Final Vol:	1000 uL
		Test:	SVOC-TCL BNA -20
		GPC Cleanup :	N
		PH :	

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
BF143035.D	1	07/07/25 09:00	07/08/25 16:05	PB168737

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units(Dry Weight)
TARGETS						
100-52-7	Benzaldehyde	180	U	180	380	ug/Kg
108-95-2	Phenol	25.5	U	25.5	200	ug/Kg
111-44-4	bis(2-Chloroethyl)ether	28.1	U	28.1	200	ug/Kg
95-57-8	2-Chlorophenol	28.2	U	28.2	200	ug/Kg
95-48-7	2-Methylphenol	34.6	U	34.6	200	ug/Kg
108-60-1	2,2-oxybis(1-Chloropropane)	43.4	U	43.4	200	ug/Kg
98-86-2	Acetophenone	34.1	U	34.1	200	ug/Kg
65794-96-9	3+4-Methylphenols	47.5	U	47.5	380	ug/Kg
621-64-7	n-Nitroso-di-n-propylamine	54.8	U	54.8	92.5	ug/Kg
67-72-1	Hexachloroethane	20.3	U	20.3	200	ug/Kg
98-95-3	Nitrobenzene	21.2	U	21.2	200	ug/Kg
78-59-1	Isophorone	37.9	U	37.9	200	ug/Kg
88-75-5	2-Nitrophenol	67.3	U	67.3	200	ug/Kg
105-67-9	2,4-Dimethylphenol	74.9	U	74.9	200	ug/Kg
111-91-1	bis(2-Chloroethoxy)methane	35.6	U	35.6	200	ug/Kg
120-83-2	2,4-Dichlorophenol	32.7	U	32.7	200	ug/Kg
91-20-3	Naphthalene	26.2	U	26.2	200	ug/Kg
106-47-8	4-Chloroaniline	40.9	U	40.9	200	ug/Kg
87-68-3	Hexachlorobutadiene	29.2	U	29.2	200	ug/Kg
105-60-2	Caprolactam	60.2	U	60.2	380	ug/Kg
59-50-7	4-Chloro-3-methylphenol	33.2	U	33.2	200	ug/Kg
91-57-6	2-Methylnaphthalene	29.6	U	29.6	200	ug/Kg
77-47-4	Hexachlorocyclopentadiene	130	U	130	380	ug/Kg
88-06-2	2,4,6-Trichlorophenol	22.9	U	22.9	200	ug/Kg
95-95-4	2,4,5-Trichlorophenol	33.6	U	33.6	200	ug/Kg
92-52-4	1,1-Biphenyl	25.2	U	25.2	200	ug/Kg
91-58-7	2-Chloronaphthalene	26.0	U	26.0	200	ug/Kg
88-74-4	2-Nitroaniline	55.6	U	55.6	200	ug/Kg
131-11-3	Dimethylphthalate	31.3	U	31.3	200	ug/Kg

Report of Analysis

Client:	CDM Smith	Date Collected:	07/03/25
Project:	South River WM Replacement	Date Received:	07/03/25
Client Sample ID:	TP-81	SDG No.:	Q2514
Lab Sample ID:	Q2514-09	Matrix:	SOIL
Analytical Method:	8270E	% Solid:	86.3
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
BF143035.D	1	07/07/25 09:00	07/08/25 16:05	PB168737

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units(Dry Weight)
208-96-8	Acenaphthylene	33.4	U	33.4	200	ug/Kg
606-20-2	2,6-Dinitrotoluene	38.8	U	38.8	200	ug/Kg
99-09-2	3-Nitroaniline	53.2	U	53.2	200	ug/Kg
83-32-9	Acenaphthene	24.6	U	24.6	200	ug/Kg
51-28-5	2,4-Dinitrophenol	260	U	260	380	ug/Kg
100-02-7	4-Nitrophenol	120	U	120	380	ug/Kg
132-64-9	Dibenzofuran	26.2	U	26.2	200	ug/Kg
121-14-2	2,4-Dinitrotoluene	57.9	U	57.9	200	ug/Kg
84-66-2	Diethylphthalate	32.7	U	32.7	200	ug/Kg
7005-72-3	4-Chlorophenyl-phenylether	30.9	U	30.9	200	ug/Kg
86-73-7	Fluorene	29.2	U	29.2	200	ug/Kg
100-01-6	4-Nitroaniline	74.2	U	74.2	200	ug/Kg
534-52-1	4,6-Dinitro-2-methylphenol	120	U	120	380	ug/Kg
86-30-6	n-Nitrosodiphenylamine	38.0	U	38.0	200	ug/Kg
101-55-3	4-Bromophenyl-phenylether	32.1	U	32.1	200	ug/Kg
118-74-1	Hexachlorobenzene	29.2	U	29.2	200	ug/Kg
1912-24-9	Atrazine	39.3	U	39.3	200	ug/Kg
87-86-5	Pentachlorophenol	59.3	U	59.3	380	ug/Kg
85-01-8	Phenanthrene	24.2	U	24.2	200	ug/Kg
120-12-7	Anthracene	38.5	U	38.5	200	ug/Kg
86-74-8	Carbazole	36.1	U	36.1	200	ug/Kg
84-74-2	Di-n-butylphthalate	55.4	U	55.4	200	ug/Kg
206-44-0	Fluoranthene	34.7	U	34.7	200	ug/Kg
129-00-0	Pyrene	41.6	U	41.6	200	ug/Kg
85-68-7	Butylbenzylphthalate	82.5	U	82.5	200	ug/Kg
91-94-1	3,3-Dichlorobenzidine	42.4	U	42.4	380	ug/Kg
56-55-3	Benzo(a)anthracene	26.6	U	26.6	200	ug/Kg
218-01-9	Chrysene	23.0	U	23.0	200	ug/Kg
117-81-7	Bis(2-ethylhexyl)phthalate	68.4	U	68.4	200	ug/Kg
117-84-0	Di-n-octyl phthalate	100	U	100	380	ug/Kg
205-99-2	Benzo(b)fluoranthene	22.0	U	22.0	200	ug/Kg

Report of Analysis

Client:	CDM Smith	Date Collected:	07/03/25
Project:	South River WM Replacement	Date Received:	07/03/25
Client Sample ID:	TP-81	SDG No.:	Q2514
Lab Sample ID:	Q2514-09	Matrix:	SOIL
Analytical Method:	8270E	% Solid:	86.3
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
BF143035.D	1	07/07/25 09:00	07/08/25 16:05	PB168737

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units(Dry Weight)
207-08-9	Benzo(k)fluoranthene	25.9	U	25.9	200	ug/Kg
50-32-8	Benzo(a)pyrene	34.1	U	34.1	200	ug/Kg
193-39-5	Indeno(1,2,3-cd)pyrene	33.6	U	33.6	200	ug/Kg
53-70-3	Dibenzo(a,h)anthracene	31.7	U	31.7	200	ug/Kg
191-24-2	Benzo(g,h,i)perylene	29.7	U	29.7	200	ug/Kg
95-94-3	1,2,4,5-Tetrachlorobenzene	29.6	U	29.6	200	ug/Kg
123-91-1	1,4-Dioxane	52.3	U	52.3	200	ug/Kg
58-90-2	2,3,4,6-Tetrachlorophenol	31.7	U	31.7	200	ug/Kg
SURROGATES						
367-12-4	2-Fluorophenol	78.9		18 - 112	53%	SPK: 150
13127-88-3	Phenol-d6	79.4		15 - 107	53%	SPK: 150
4165-60-0	Nitrobenzene-d5	51.3		18 - 107	51%	SPK: 100
321-60-8	2-Fluorobiphenyl	51.6		20 - 109	52%	SPK: 100
118-79-6	2,4,6-Tribromophenol	52.1		10 - 116	35%	SPK: 150
1718-51-0	Terphenyl-d14	35.4		10 - 105	35%	SPK: 100
INTERNAL STANDARDS						
3855-82-1	1,4-Dichlorobenzene-d4	49300		6.869		
1146-65-2	Naphthalene-d8	187000		8.157		
15067-26-2	Acenaphthene-d10	91200		9.916		
1517-22-2	Phenanthrene-d10	135000		11.404		
1719-03-5	Chrysene-d12	94800		14.051		
1520-96-3	Perylene-d12	120000		15.551		
TENTATIVE IDENTIFIED COMPOUNDS						
000123-42-2	2-Pentanone, 4-hydroxy-4-methyl-	200	AB		5.08	ug/Kg
000119-61-9	Benzophenone	230	J		10.6	ug/Kg
	unknown13.886	140	J		13.9	ug/Kg
003418-21-1	2-Bromomethyl-2-phenyl[1,3]dioxola	190	J		13.9	ug/Kg

Report of Analysis

Client:	CDM Smith	Date Collected:	07/03/25
Project:	South River WM Replacement	Date Received:	07/03/25
Client Sample ID:	TP-81	SDG No.:	Q2514
Lab Sample ID:	Q2514-09	Matrix:	SOIL
Analytical Method:	8270E	% Solid:	86.3
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
BF143035.D	1	07/07/25 09:00	07/08/25 16:05	PB168737

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\BF070825\
Data File : BF143035.D
Acq On : 08 Jul 2025 16:05
Operator : RC/JU
Sample : Q2514-09
Misc :
ALS Vial : 12 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
TP-81

Quant Time: Jul 08 17:00:02 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF061925.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Tue Jun 24 05:28:21 2025
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) 1,4-Dichlorobenzene-d4	6.869	152	49332	20.000	ng	-0.01
21) Naphthalene-d8	8.157	136	187293	20.000	ng	-0.01
39) Acenaphthene-d10	9.916	164	91194	20.000	ng	0.00
64) Phenanthrene-d10	11.404	188	135239	20.000	ng	0.00
76) Chrysene-d12	14.051	240	94806	20.000	ng	0.00
86) Perylene-d12	15.551	264	119948	20.000	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.493	112	233910	78.943	ng	0.00
7) Phenol-d6	6.504	99	277453	79.368	ng	0.00
23) Nitrobenzene-d5	7.434	82	175210	51.312	ng	-0.01
42) 2,4,6-Tribromophenol	10.704	330	48886	52.092	ng	-0.01
45) 2-Fluorobiphenyl	9.234	172	358484	51.641	ng	-0.01
79) Terphenyl-d14	12.992	244	243143	35.436	ng	0.00

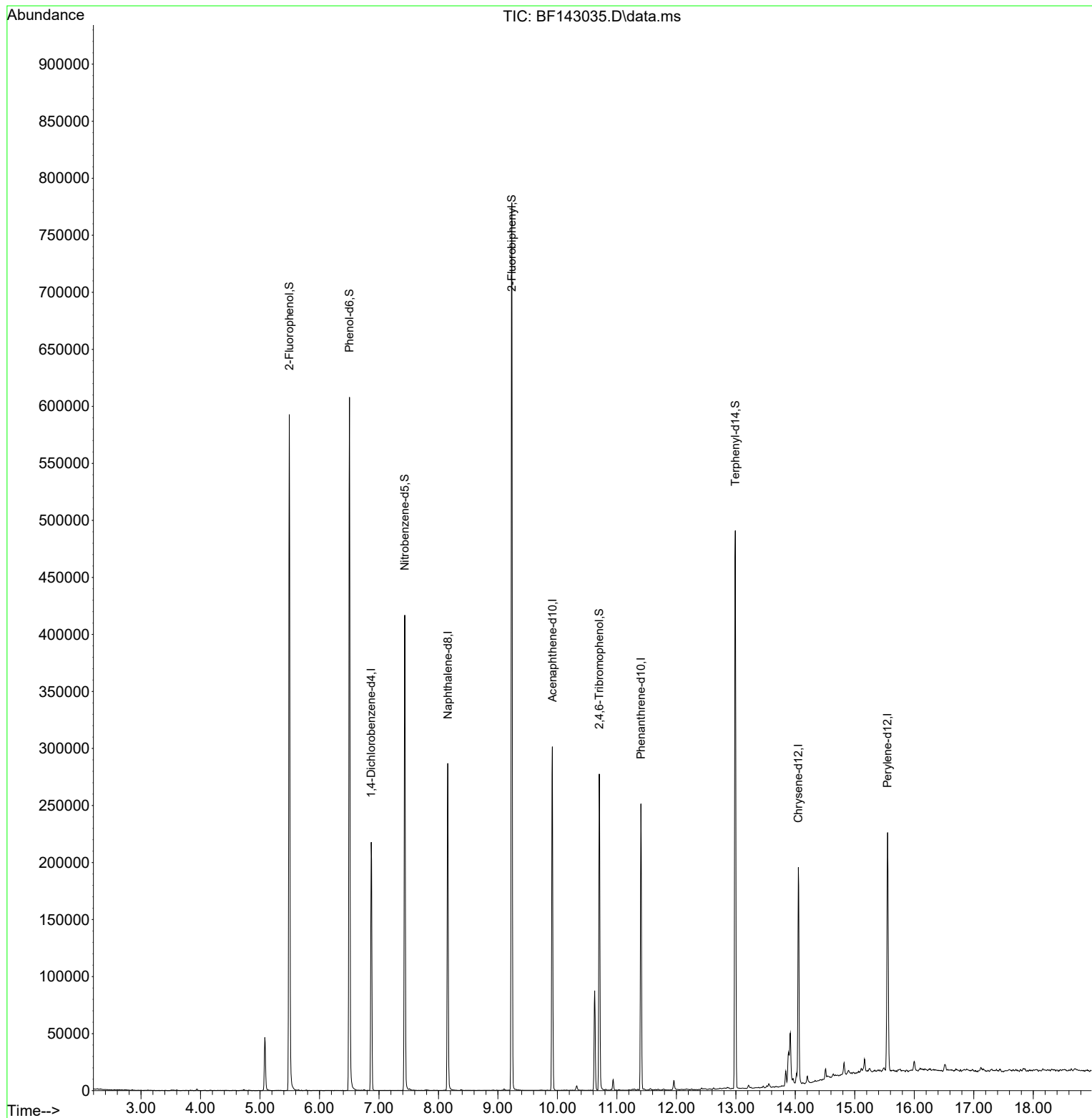
Target Compounds	Qvalue

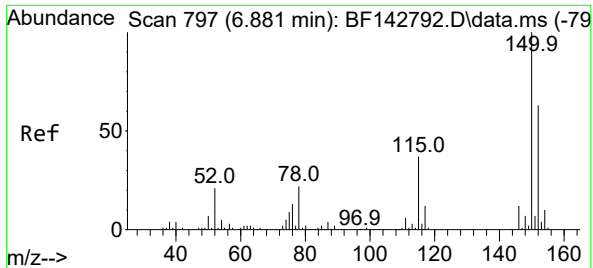
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF070825\
Data File : BF143035.D
Acq On : 08 Jul 2025 16:05
Operator : RC/JU
Sample : Q2514-09
Misc :
ALS Vial : 12 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
TP-81

Quant Time: Jul 08 17:00:02 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF061925.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Tue Jun 24 05:28:21 2025
Response via : Initial Calibration

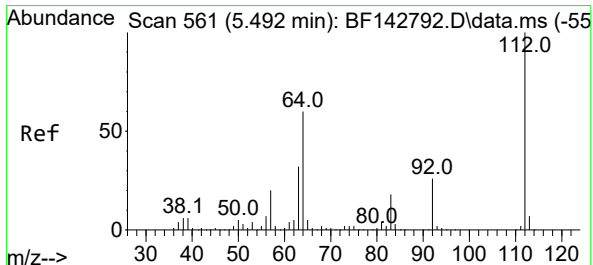
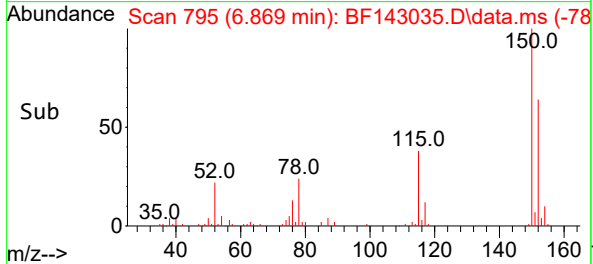
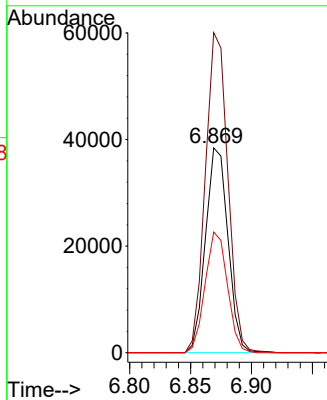
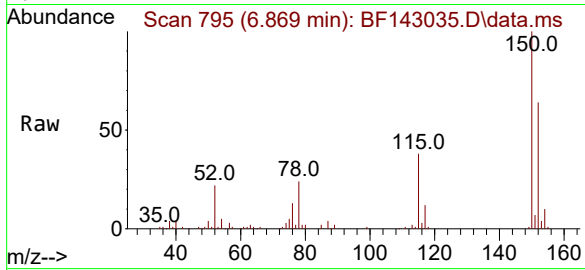




#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.869 min Scan# 797
Delta R.T. -0.012 min
Lab File: BF143035.D
Acq: 08 Jul 2025 16:05

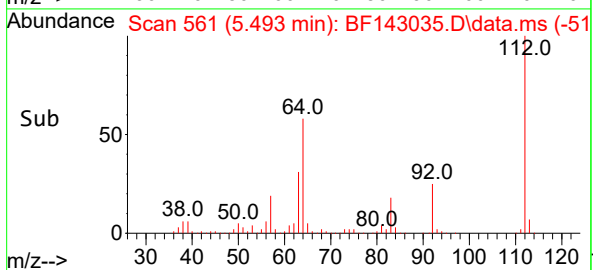
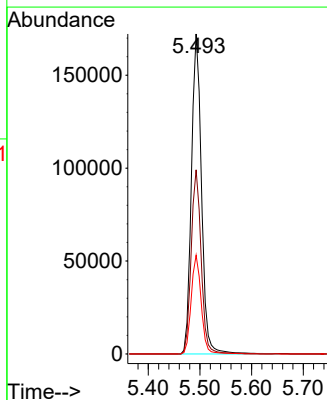
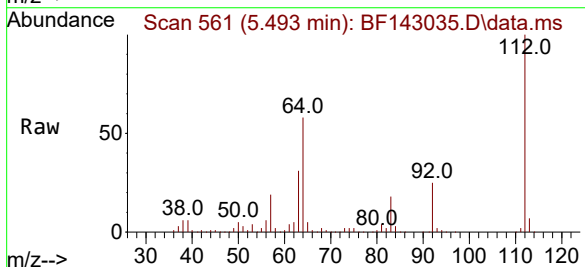
Instrument :
BNA_F
ClientSampleId :
TP-81

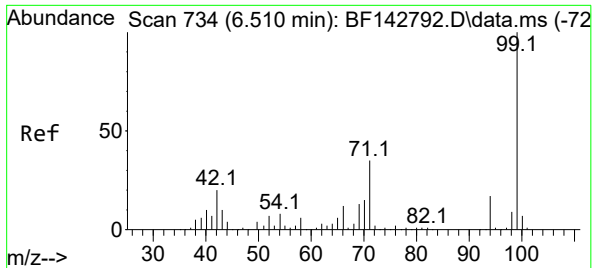
Tgt Ion:152 Resp: 49332
Ion Ratio Lower Upper
152 100
150 156.2 127.2 190.8
115 58.9 46.6 69.8



#5
2-Fluorophenol
Concen: 78.943 ng
RT: 5.493 min Scan# 561
Delta R.T. 0.001 min
Lab File: BF143035.D
Acq: 08 Jul 2025 16:05

Tgt Ion:112 Resp: 233910
Ion Ratio Lower Upper
112 100
64 57.6 48.2 72.2
63 30.9 25.7 38.5

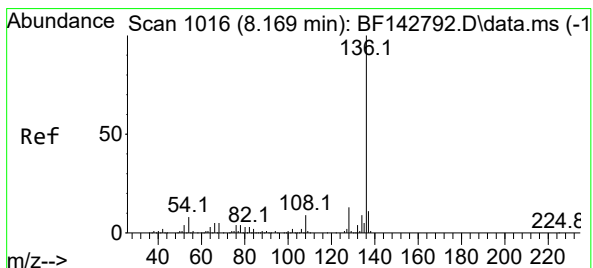
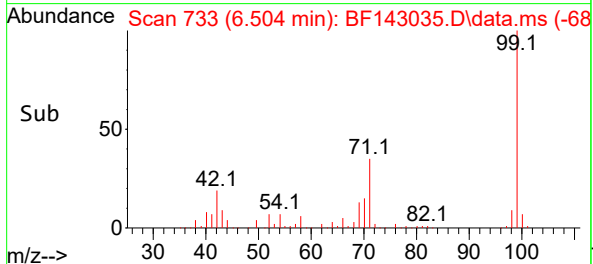
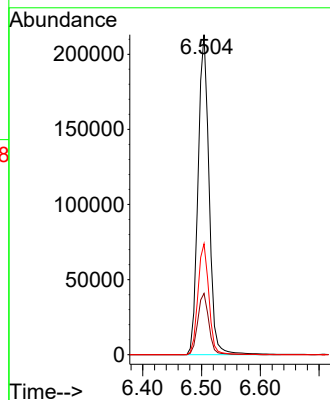
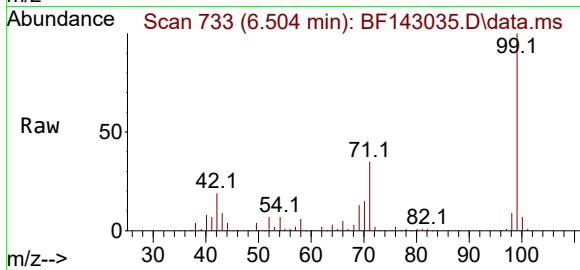




#7
Phenol-d6
Concen: 79.368 ng
RT: 6.504 min Scan# 71
Delta R.T. -0.006 min
Lab File: BF143035.D
Acq: 08 Jul 2025 16:05

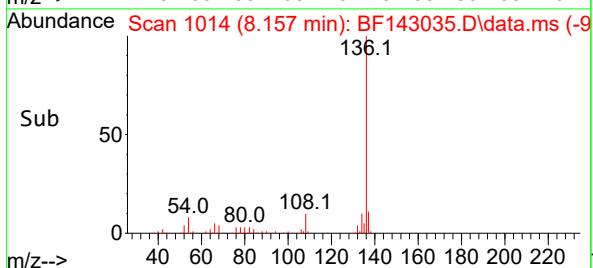
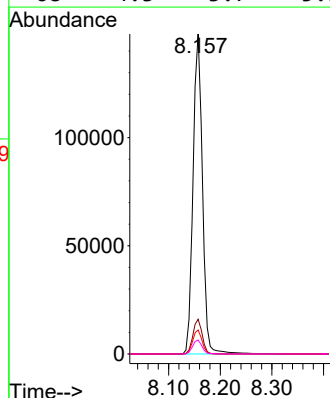
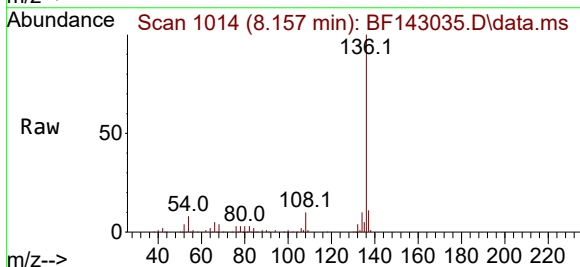
Instrument :
BNA_F
ClientSampleId :
TP-81

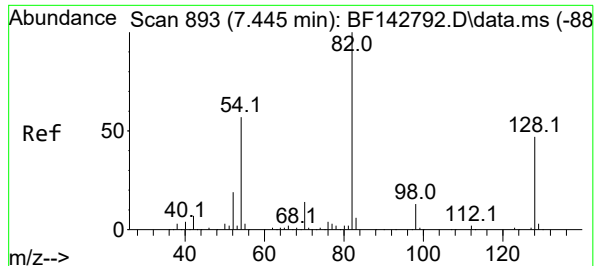
Tgt Ion: 99 Resp: 277453
Ion Ratio Lower Upper
99 100
42 19.1 15.9 23.9
71 34.6 27.8 41.8



#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.157 min Scan# 1014
Delta R.T. -0.012 min
Lab File: BF143035.D
Acq: 08 Jul 2025 16:05

Tgt Ion: 136 Resp: 187293
Ion Ratio Lower Upper
136 100
137 10.8 8.4 12.6
54 7.5 6.3 9.5
68 4.3 3.7 5.5





#23

Nitrobenzene-d5

Concen: 51.312 ng

RT: 7.434 min Scan# 89

Delta R.T. -0.011 min

Lab File: BF143035.D

Acq: 08 Jul 2025 16:05

Instrument :

BNA_F

ClientSampleId :

TP-81

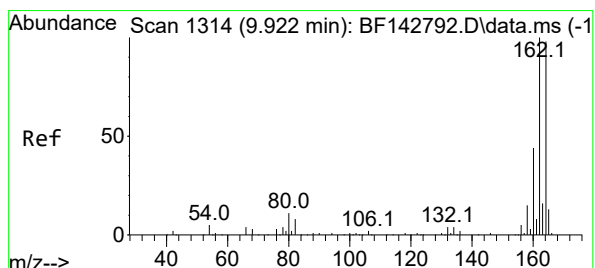
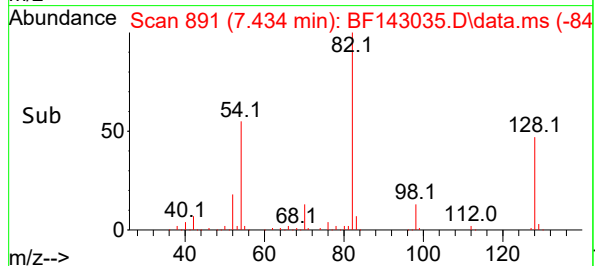
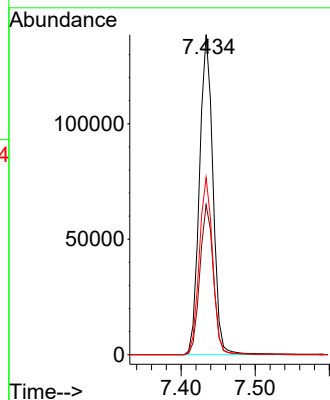
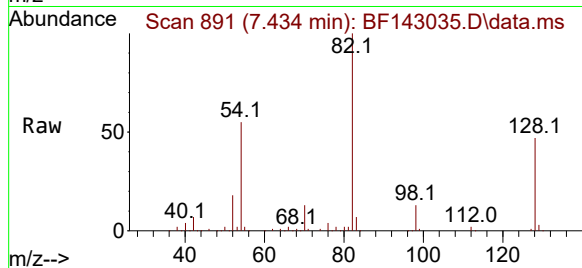
Tgt Ion: 82 Resp: 175210

Ion Ratio Lower Upper

82 100

128 46.9 37.7 56.5

54 55.3 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: BF143035.D

Acq: 08 Jul 2025 16:05

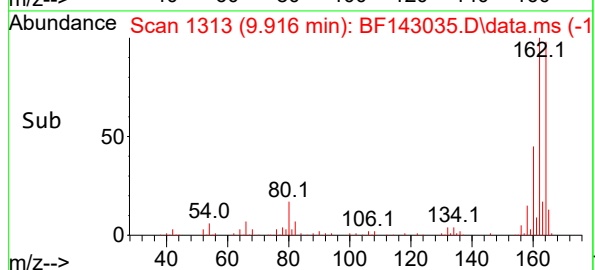
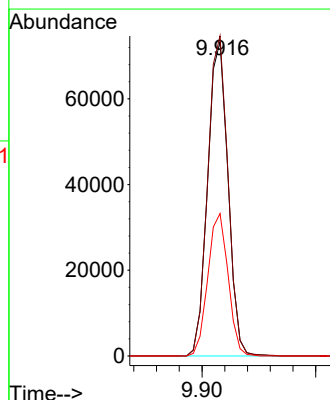
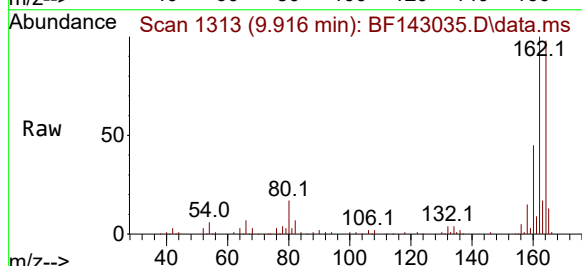
Tgt Ion:164 Resp: 91194

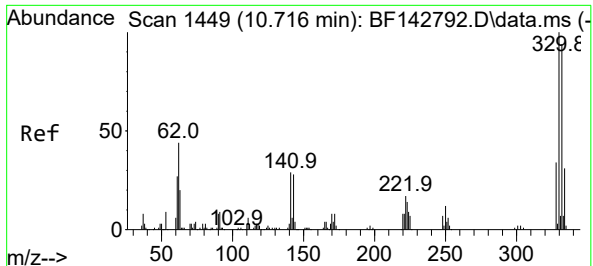
Ion Ratio Lower Upper

164 100

162 101.8 81.8 122.8

160 45.3 36.0 54.0





#42

2,4,6-Tribromophenol

Concen: 52.092 ng

RT: 10.704 min Scan# 1447

Delta R.T. -0.012 min

Lab File: BF143035.D

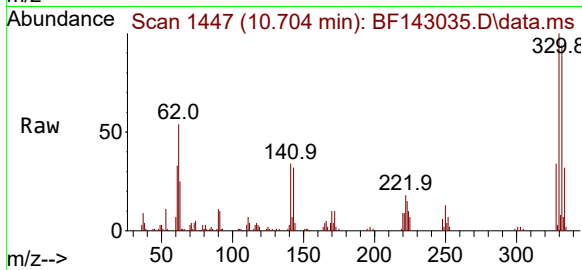
Acq: 08 Jul 2025 16:05

Instrument :

BNA_F

ClientSampleId :

TP-81



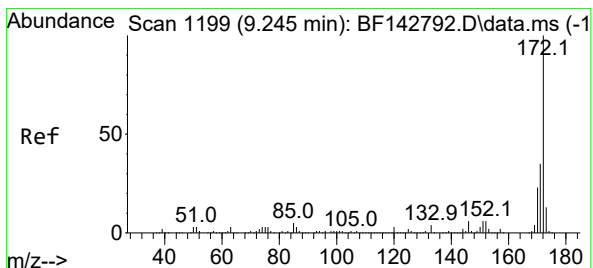
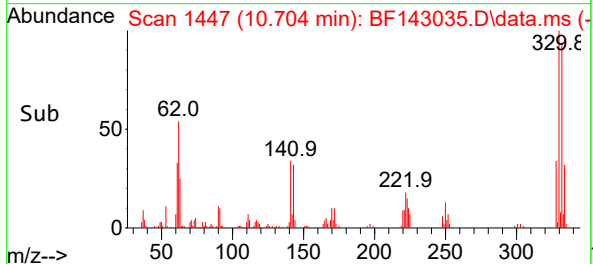
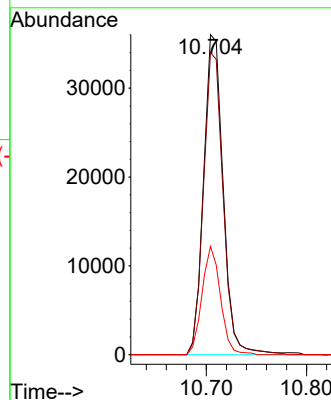
Tgt Ion:330 Resp: 48886

Ion Ratio Lower Upper

330 100

332 95.2 75.0 112.6

141 31.9 25.3 37.9



#45

2-Fluorobiphenyl

Concen: 51.641 ng

RT: 9.234 min Scan# 1197

Delta R.T. -0.011 min

Lab File: BF143035.D

Acq: 08 Jul 2025 16:05

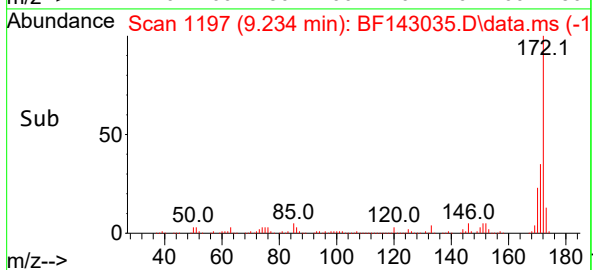
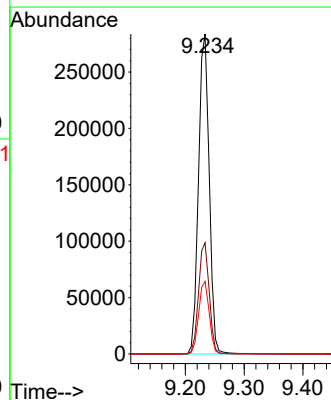
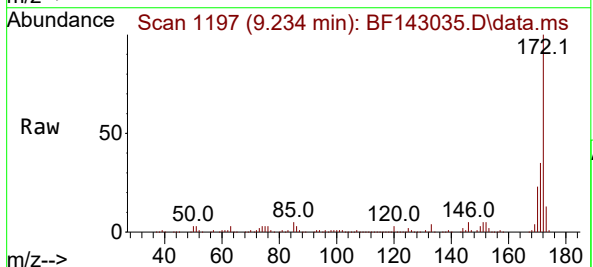
Tgt Ion:172 Resp: 358484

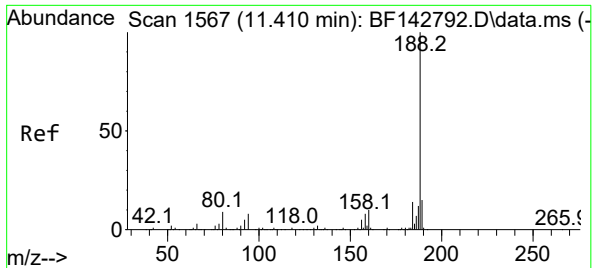
Ion Ratio Lower Upper

172 100

171 34.7 28.2 42.4

170 22.7 18.5 27.7

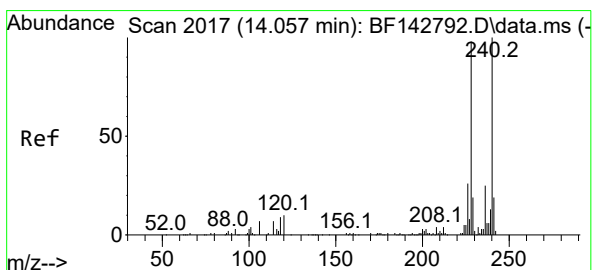
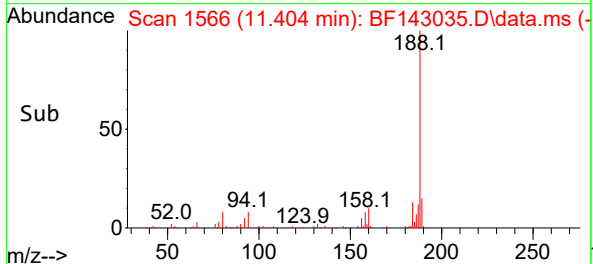
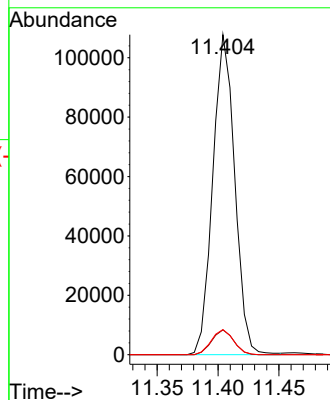
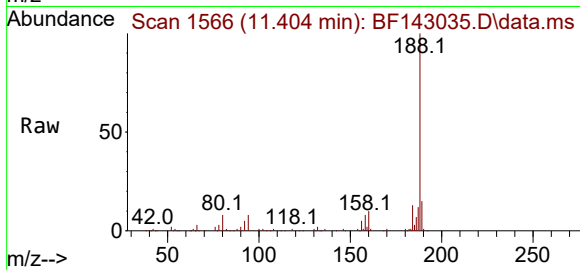




#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.404 min Scan# 1
Delta R.T. -0.006 min
Lab File: BF143035.D
Acq: 08 Jul 2025 16:05

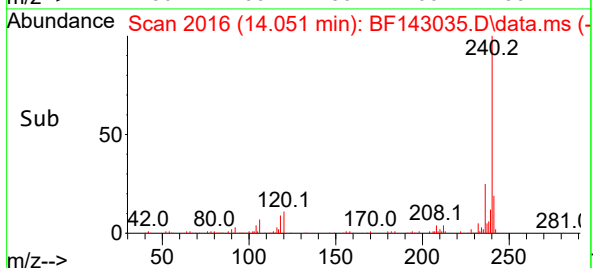
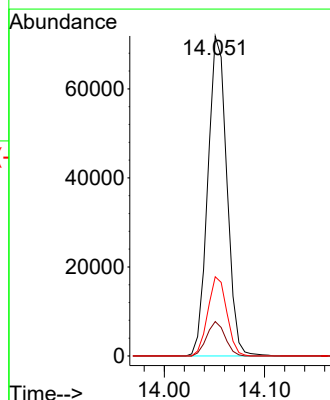
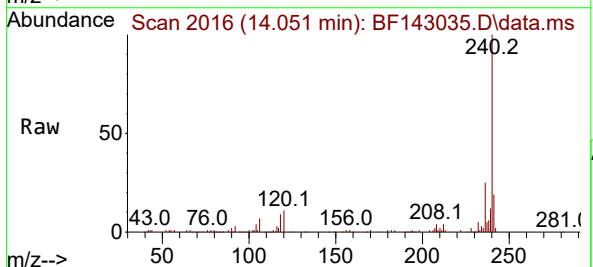
Instrument :
BNA_F
ClientSampleId :
TP-81

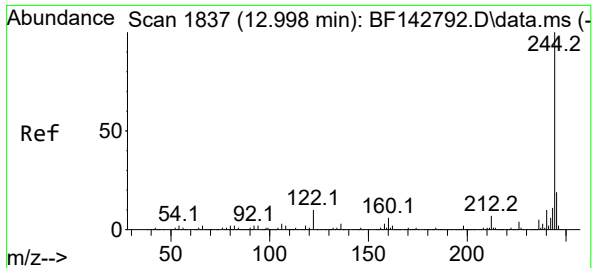
Tgt Ion:188 Resp: 135239
Ion Ratio Lower Upper
188 100
94 7.7 6.7 10.1
80 7.9 6.9 10.3



#76
Chrysene-d12
Concen: 20.000 ng
RT: 14.051 min Scan# 2016
Delta R.T. -0.006 min
Lab File: BF143035.D
Acq: 08 Jul 2025 16:05

Tgt Ion:240 Resp: 94806
Ion Ratio Lower Upper
240 100
120 10.8 8.2 12.2
236 24.7 19.8 29.8





#79

Terphenyl-d14

Concen: 35.436 ng

RT: 12.992 min Scan# 1836

Delta R.T. -0.006 min

Lab File: BF143035.D

Acq: 08 Jul 2025 16:05

Instrument :

BNA_F

ClientSampleId :

TP-81

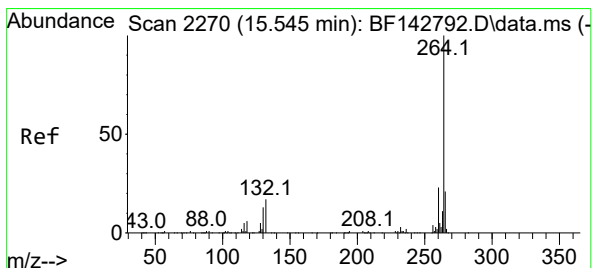
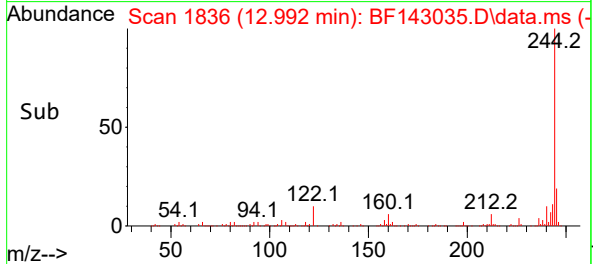
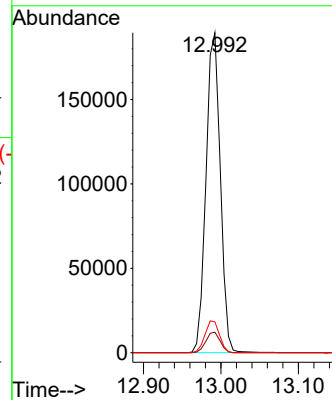
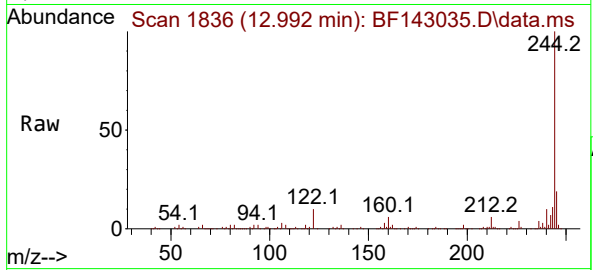
Tgt Ion:244 Resp: 243143

Ion Ratio Lower Upper

244 100

212 6.4 5.4 8.0

122 9.7 8.2 12.2



#86

Perylene-d12

Concen: 20.000 ng

RT: 15.551 min Scan# 2271

Delta R.T. 0.006 min

Lab File: BF143035.D

Acq: 08 Jul 2025 16:05

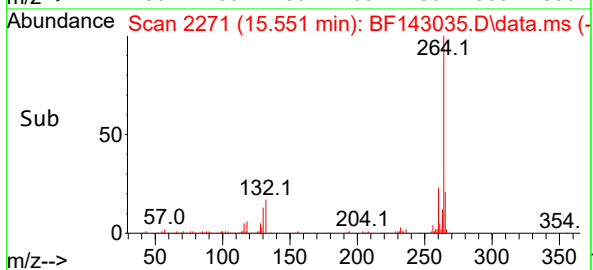
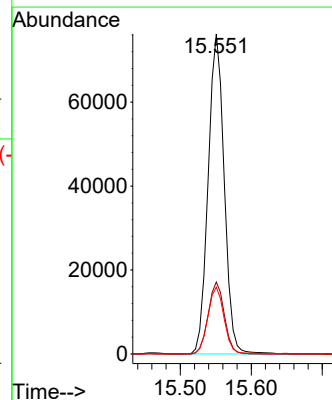
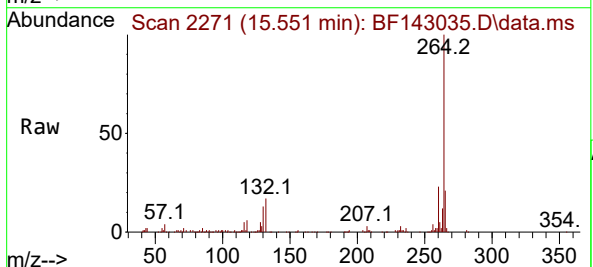
Tgt Ion:264 Resp: 119948

Ion Ratio Lower Upper

264 100

260 22.5 18.1 27.1

265 20.9 16.6 25.0



Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF070825\
 Data File : BF143035.D
 Acq On : 08 Jul 2025 16:05
 Operator : RC/JU
 Sample : Q2514-09
 Misc :
 ALS Vial : 12 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 TP-81

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: BF143035.D\data.ms

peak #	R.T. min	first scan	max scan	last scan	PK TY	peak height	corr. area	corr. % max.	% of total
1	5.081	484	491	505	rBV	46669	71092	7.23%	1.118%
2	5.493	556	561	579	rBV	592427	791340	80.45%	12.444%
3	6.504	727	733	751	rBV	607815	791134	80.43%	12.441%
4	6.869	790	795	804	rVB	217657	273591	27.81%	4.302%
5	7.434	886	891	902	rBV	416735	522784	53.15%	8.221%
6	8.157	1009	1014	1029	rBV	286740	356973	36.29%	5.613%
7	9.234	1191	1197	1208	rBV	778188	983627	100.00%	15.468%
8	9.916	1308	1313	1323	rVB	301295	373001	37.92%	5.866%
9	10.628	1428	1434	1442	rBV	87281	112519	11.44%	1.769%
10	10.704	1442	1447	1461	rBV	277314	356034	36.20%	5.599%
11	10.939	1483	1487	1491	rVB	9333	11773	1.20%	0.185%
12	11.404	1561	1566	1573	rBV	250988	312351	31.76%	4.912%
13	11.957	1653	1660	1668	rBV	8207	13047	1.33%	0.205%
14	12.992	1830	1836	1841	rBV	489257	624770	63.52%	9.825%
15	13.839	1975	1980	1983	rBV	13158	19323	1.96%	0.304%
16	13.886	1983	1988	1990	rVV3	26991	45865	4.66%	0.721%
17	13.916	1990	1993	1999	rVB	41913	61255	6.23%	0.963%
18	14.021	2007	2011	2012	rBV	8643	9925	1.01%	0.156%
19	14.051	2012	2016	2025	rVB	189485	251236	25.54%	3.951%
20	14.510	2090	2094	2097	rBV	8686	11026	1.12%	0.173%
21	14.821	2143	2147	2153	rVB	10397	14173	1.44%	0.223%
22	15.163	2202	2205	2210	rVB2	10504	13893	1.41%	0.218%
23	15.551	2265	2271	2279	rVB	209097	325910	33.13%	5.125%
24	15.998	2344	2347	2353	rVB3	7917	12578	1.28%	0.198%

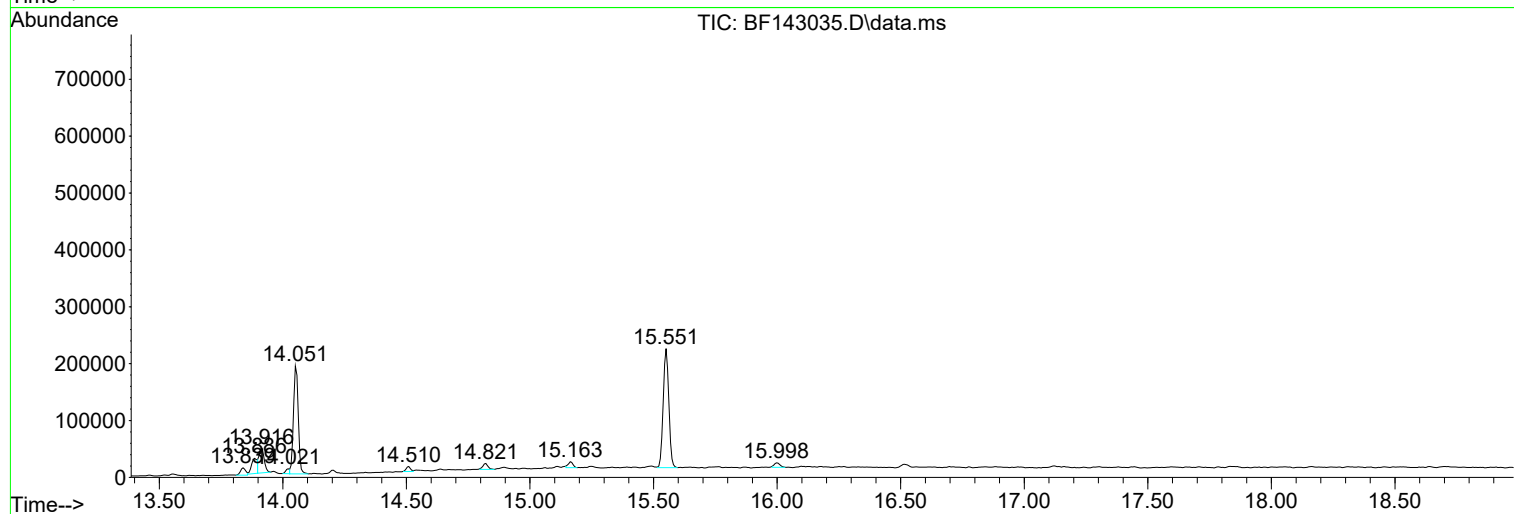
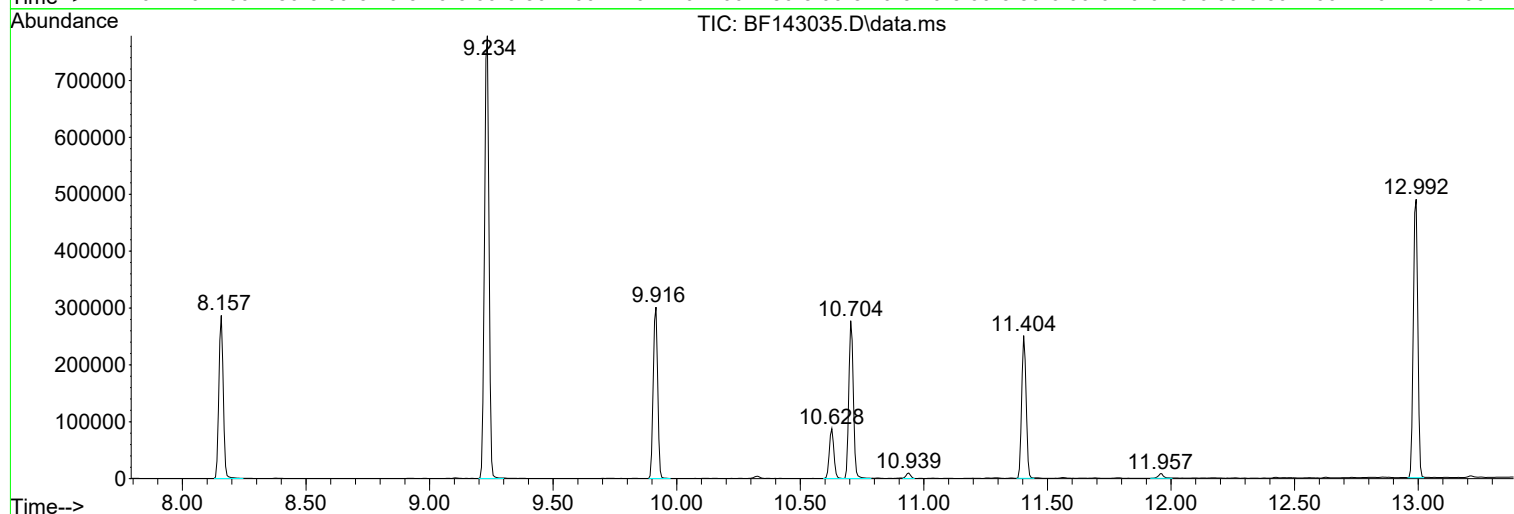
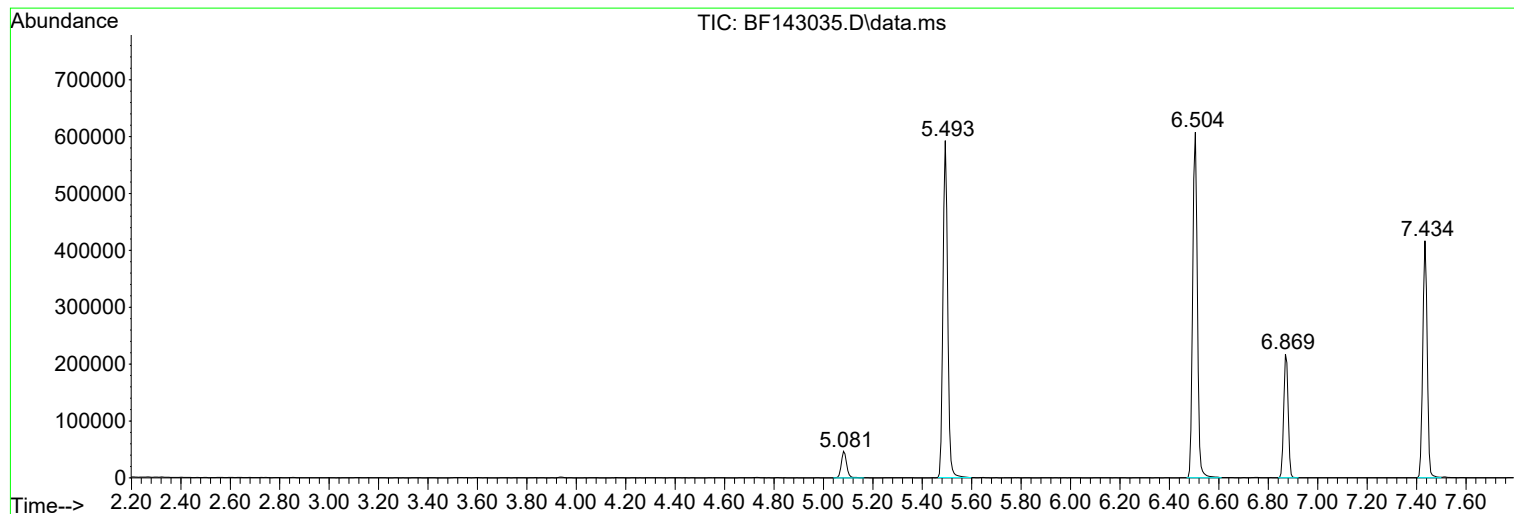
Sum of corrected areas: 6359220

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF070825\
Data File : BF143035.D
Acq On : 08 Jul 2025 16:05
Operator : RC/JU
Sample : Q2514-09
Misc :
ALS Vial : 12 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
TP-81

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\BF070825\
Data File : BF143035.D
Acq On : 08 Jul 2025 16:05
Operator : RC/JU
Sample : Q2514-09
Misc :
ALS Vial : 12 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
TP-81

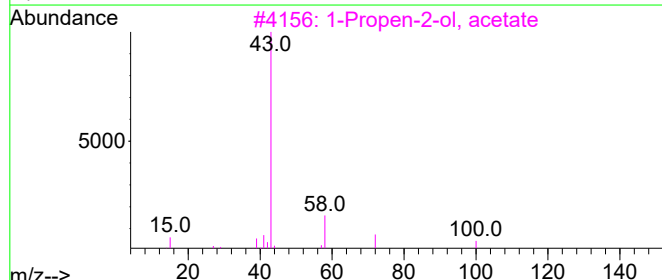
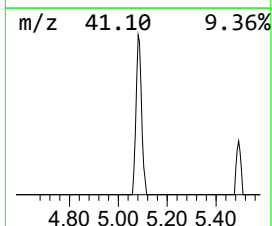
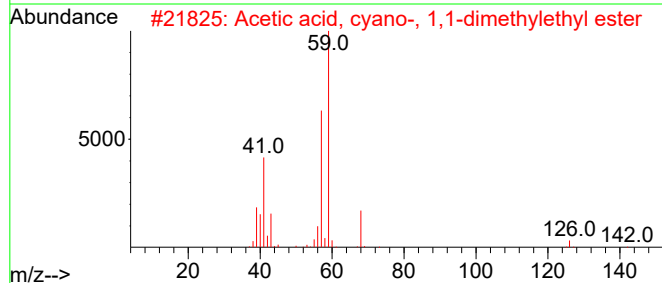
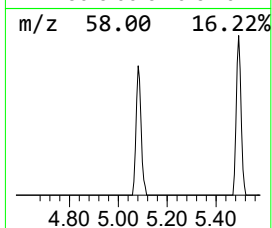
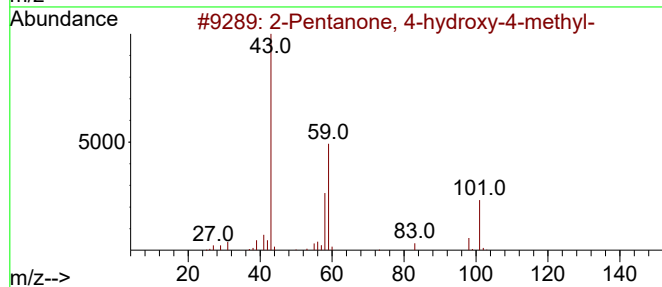
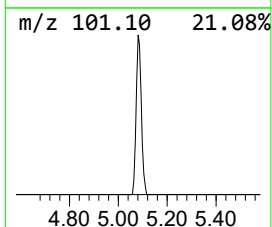
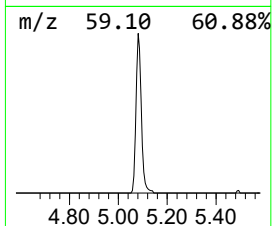
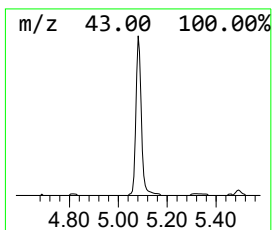
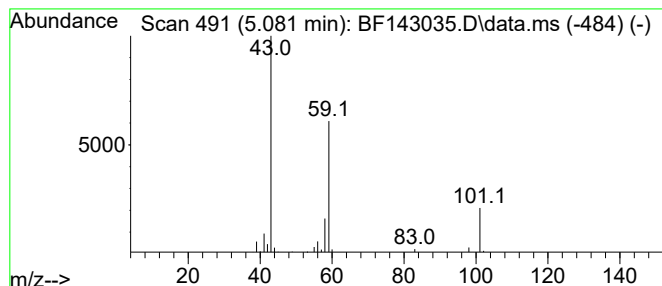
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF061925.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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.
5.081	5.20 ng	71092	1,4-Dichlorobenzene-d4	6.869

Hit#	of	5	Tentative ID	MW	MolForm	CAS#	Qual
1			2-Pentanone, 4-hydroxy-4-methyl-	116	C6H12O2	000123-42-2	40
2			Acetic acid, cyano-, 1,1-dimethy...	141	C7H11NO2	001116-98-9	25
3			1-Propen-2-ol, acetate	100	C5H8O2	000108-22-5	10
4			2,3-Butanedione, monooxime	101	C4H7NO2	000057-71-6	9
5			(+)-4-Amino-4,5-dihydro-2(3H)-f...	101	C4H7NO2	016504-58-8	9



Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF070825\
Data File : BF143035.D
Acq On : 08 Jul 2025 16:05
Operator : RC/JU
Sample : Q2514-09
Misc :
ALS Vial : 12 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
TP-81

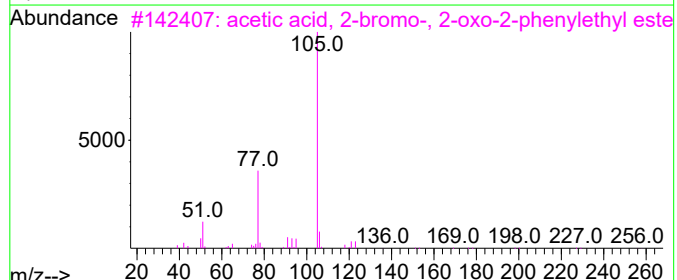
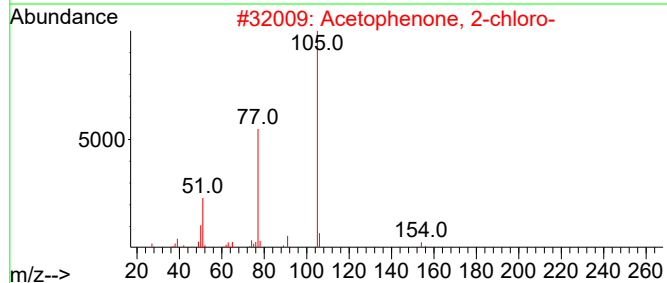
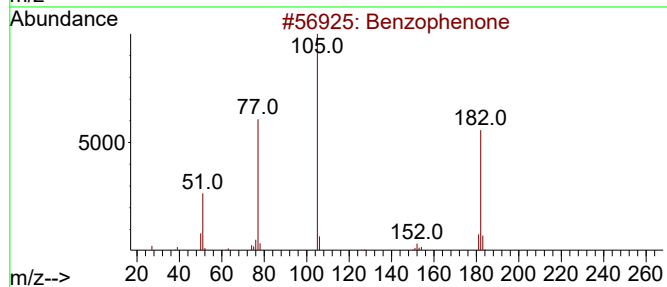
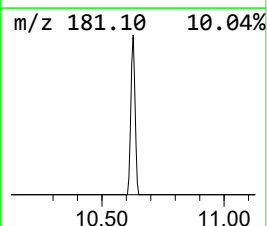
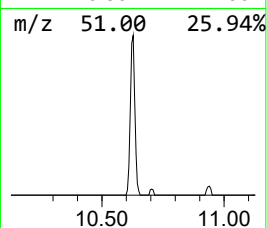
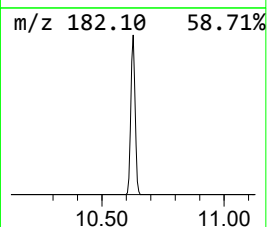
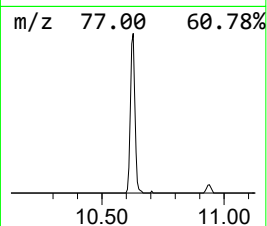
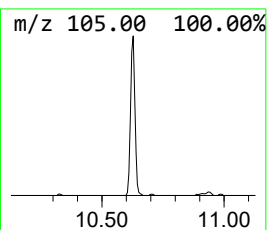
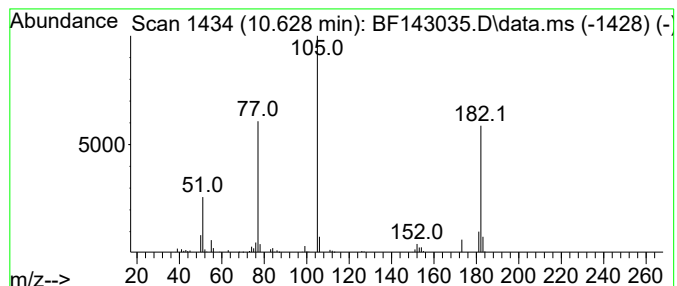
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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	6.03 ng	112519	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	46
3			acetic acid, 2-bromo-, 2-oxo-2-p...	256	C10H9BrO3	1000401-50-0	43
4			1,2-Propanedione, 1-phenyl-	148	C9H8O2	000579-07-7	43
5			1-Propanone, 2-bromo-1-phenyl-	212	C9H9BrO	002114-00-3	43



Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF070825\
Data File : BF143035.D
Acq On : 08 Jul 2025 16:05
Operator : RC/JU
Sample : Q2514-09
Misc :
ALS Vial : 12 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
TP-81

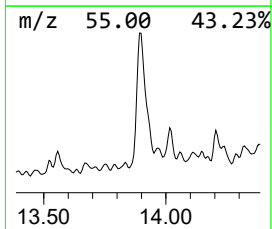
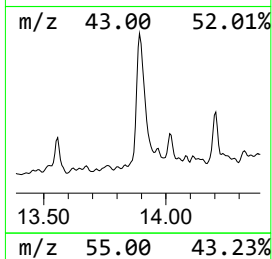
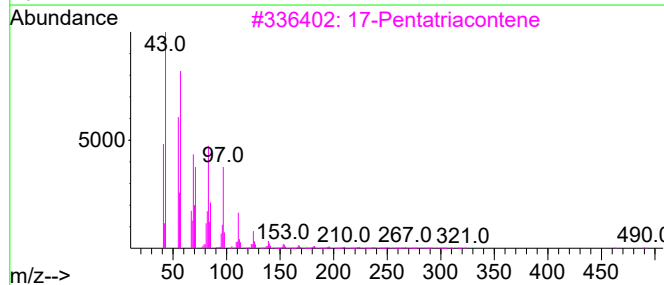
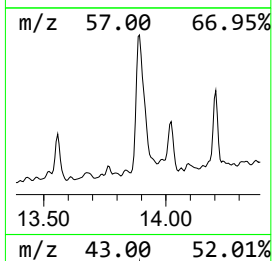
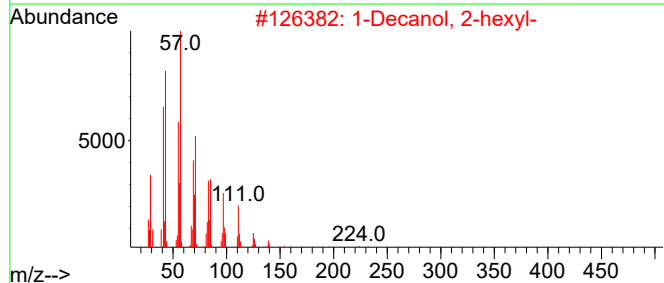
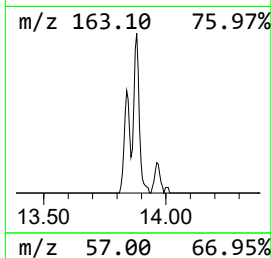
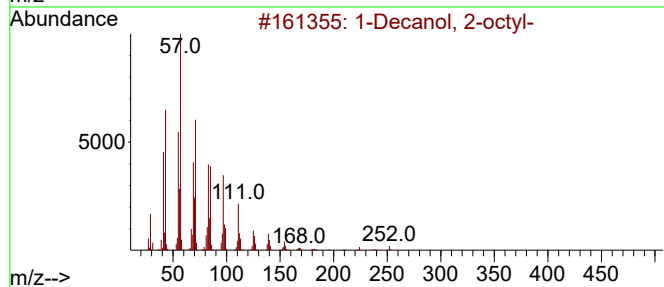
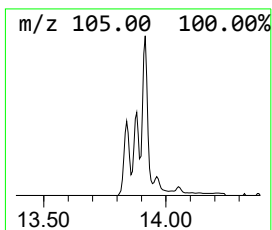
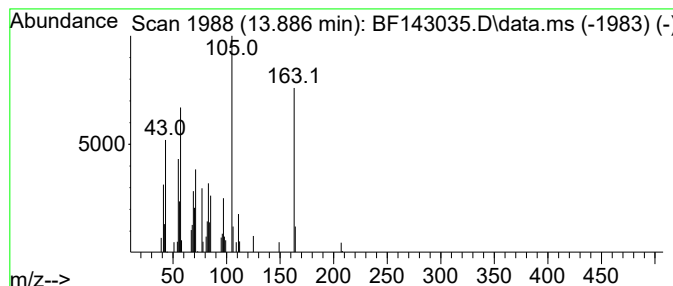
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF061925.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 3 unknown13.886 Concentration Rank 4

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.886	3.65 ng	45865	Chrysene-d12	14.051

Hit#	of	5	Tentative ID	MW	MolForm	CAS#	Qual
1	1-Decanol, 2-octyl-			270	C18H38O	045235-48-1	45
2	1-Decanol, 2-hexyl-			242	C16H34O	002425-77-6	45
3	17-Pentatriacontene			491	C35H70	006971-40-0	30
4	2-Hexyl-1-octanol			214	C14H30O	019780-79-1	30
5	Dichloroacetic acid, tetradecyl ...			324	C16H30Cl2O2	083005-02-1	30



Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF070825\
Data File : BF143035.D
Acq On : 08 Jul 2025 16:05
Operator : RC/JU
Sample : Q2514-09
Misc :
ALS Vial : 12 Sample Multiplier: 1

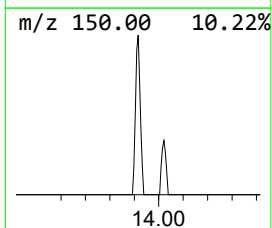
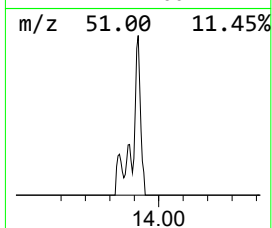
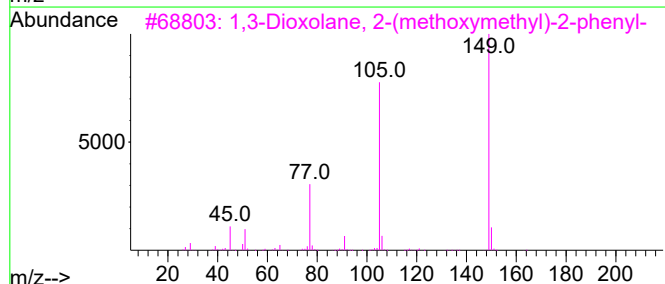
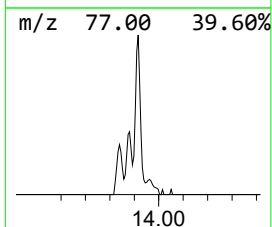
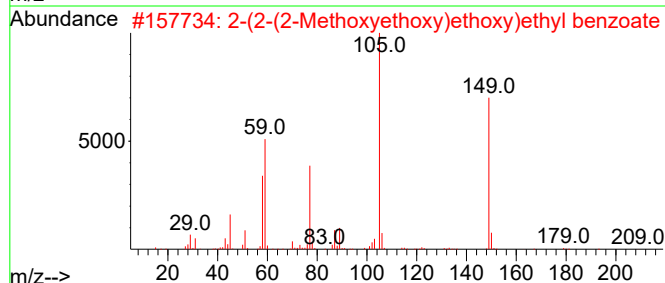
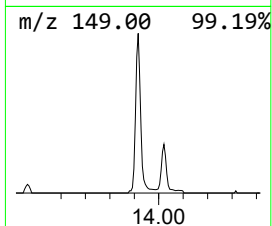
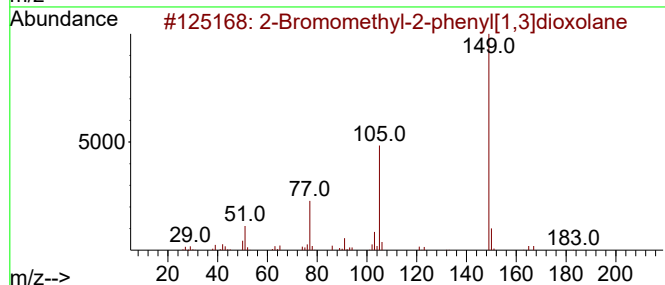
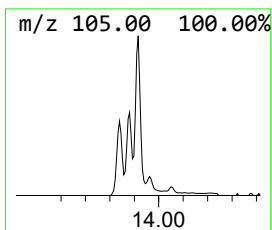
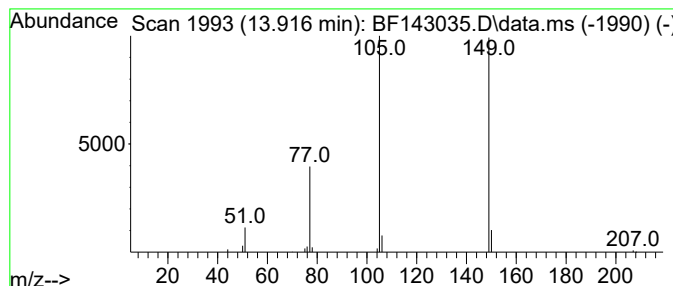
Instrument :
BNA_F
ClientSampleId :
TP-81

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 2-Bromomethyl-2-phenyl[1,3]... Concentration Rank 3

R.T.	EstConc	Area	Relative to ISTD	R.T.	
13.916	4.88 ng	61255	Chrysene-d12	14.051	
Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	2-Bromomethyl-2-phenyl[1,3]dioxo...	242	C10H11BrO2	003418-21-1	83
2	2-(2-(2-Methoxyethoxy)ethoxy)eth...	268	C14H20O5	1000366-99-1	83
3	1,3-Dioxolane, 2-(methoxymethyl)...	194	C11H14O3	1000156-71-2	83
4	Diethylene glycol dibenzoate	314	C18H18O5	000120-55-8	83
5	3,6,9,12-Tetraoxatetradecane-1,1...	446	C24H30O8	1000366-97-0	83



Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF070825\
Data File : BF143035.D
Acq On : 08 Jul 2025 16:05
Operator : RC/JU
Sample : Q2514-09
Misc :
ALS Vial : 12 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
TP-81

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

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

TIC Top Hit name	RT	EstConc	Units	Response	--Internal Standard--			
					#	RT	Resp	Conc
2-Pentanone, 4-...	5.081	5.2	ng	71092	1	6.869	273591	20.0
Benzophenone	10.628	6.0	ng	112519	3	9.916	373001	20.0
unknown13.886	13.886	3.6	ng	45865	5	14.051	251236	20.0
2-Bromomethyl-2...	13.916	4.9	ng	61255	5	14.051	251236	20.0

Report of Analysis

Client:	CDM Smith	Date Collected:	07/03/25
Project:	South River WM Replacement	Date Received:	07/03/25
Client Sample ID:	TP-90	SDG No.:	Q2514
Lab Sample ID:	Q2514-10	Matrix:	SOIL
Analytical Method:	8270E	% Solid:	91.6
Sample Wt/Vol:	30.08	Units:	g
Soil Aliquot Vol:			uL
Extraction Type :		Decanted :	N
Injection Volume :		GPC Factor :	1.0
Prep Method :	SW3541	Level :	LOW
		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
BF143045.D	1	07/07/25 09:00	07/08/25 21:12	PB168737

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units(Dry Weight)
TARGETS						
100-52-7	Benzaldehyde	170	U	170	360	ug/Kg
108-95-2	Phenol	24.1	U	24.1	190	ug/Kg
111-44-4	bis(2-Chloroethyl)ether	26.5	U	26.5	190	ug/Kg
95-57-8	2-Chlorophenol	26.6	U	26.6	190	ug/Kg
95-48-7	2-Methylphenol	32.6	U	32.6	190	ug/Kg
108-60-1	2,2-oxybis(1-Chloropropane)	40.8	U	40.8	190	ug/Kg
98-86-2	Acetophenone	32.1	U	32.1	190	ug/Kg
65794-96-9	3+4-Methylphenols	44.7	U	44.7	360	ug/Kg
621-64-7	n-Nitroso-di-n-propylamine	51.6	U	51.6	87.1	ug/Kg
67-72-1	Hexachloroethane	19.2	U	19.2	190	ug/Kg
98-95-3	Nitrobenzene	19.9	U	19.9	190	ug/Kg
78-59-1	Isophorone	35.7	U	35.7	190	ug/Kg
88-75-5	2-Nitrophenol	63.4	U	63.4	190	ug/Kg
105-67-9	2,4-Dimethylphenol	70.6	U	70.6	190	ug/Kg
111-91-1	bis(2-Chloroethoxy)methane	33.5	U	33.5	190	ug/Kg
120-83-2	2,4-Dichlorophenol	30.8	U	30.8	190	ug/Kg
91-20-3	Naphthalene	24.7	U	24.7	190	ug/Kg
106-47-8	4-Chloroaniline	38.5	U	38.5	190	ug/Kg
87-68-3	Hexachlorobutadiene	27.5	U	27.5	190	ug/Kg
105-60-2	Caprolactam	56.7	U	56.7	360	ug/Kg
59-50-7	4-Chloro-3-methylphenol	31.2	U	31.2	190	ug/Kg
91-57-6	2-Methylnaphthalene	27.9	U	27.9	190	ug/Kg
77-47-4	Hexachlorocyclopentadiene	130	U	130	360	ug/Kg
88-06-2	2,4,6-Trichlorophenol	21.6	U	21.6	190	ug/Kg
95-95-4	2,4,5-Trichlorophenol	31.7	U	31.7	190	ug/Kg
92-52-4	1,1-Biphenyl	23.7	U	23.7	190	ug/Kg
91-58-7	2-Chloronaphthalene	24.5	U	24.5	190	ug/Kg
88-74-4	2-Nitroaniline	52.4	U	52.4	190	ug/Kg
131-11-3	Dimethylphthalate	29.5	U	29.5	190	ug/Kg

Report of Analysis

Client:	CDM Smith	Date Collected:	07/03/25
Project:	South River WM Replacement	Date Received:	07/03/25
Client Sample ID:	TP-90	SDG No.:	Q2514
Lab Sample ID:	Q2514-10	Matrix:	SOIL
Analytical Method:	8270E	% Solid:	91.6
Sample Wt/Vol:	30.08 Units: g	Final Vol:	1000 uL
Soil Aliquot Vol:	uL	Test:	SVOC-TCL BNA -20
Extraction Type :	Decanted : N	Level :	LOW
Injection Volume :	GPC Factor : 1.0	GPC Cleanup :	N PH :
Prep Method :	SW3541		

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
BF143045.D	1	07/07/25 09:00	07/08/25 21:12	PB168737

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units(Dry Weight)
208-96-8	Acenaphthylene	31.5	U	31.5	190	ug/Kg
606-20-2	2,6-Dinitrotoluene	36.6	U	36.6	190	ug/Kg
99-09-2	3-Nitroaniline	50.1	U	50.1	190	ug/Kg
83-32-9	Acenaphthene	23.2	U	23.2	190	ug/Kg
51-28-5	2,4-Dinitrophenol	250	U	250	360	ug/Kg
100-02-7	4-Nitrophenol	120	U	120	360	ug/Kg
132-64-9	Dibenzofuran	24.7	U	24.7	190	ug/Kg
121-14-2	2,4-Dinitrotoluene	54.5	U	54.5	190	ug/Kg
84-66-2	Diethylphthalate	30.8	U	30.8	190	ug/Kg
7005-72-3	4-Chlorophenyl-phenylether	29.1	U	29.1	190	ug/Kg
86-73-7	Fluorene	27.5	U	27.5	190	ug/Kg
100-01-6	4-Nitroaniline	69.9	U	69.9	190	ug/Kg
534-52-1	4,6-Dinitro-2-methylphenol	110	U	110	360	ug/Kg
86-30-6	n-Nitrosodiphenylamine	35.8	U	35.8	190	ug/Kg
101-55-3	4-Bromophenyl-phenylether	30.3	U	30.3	190	ug/Kg
118-74-1	Hexachlorobenzene	27.5	U	27.5	190	ug/Kg
1912-24-9	Atrazine	37.0	U	37.0	190	ug/Kg
87-86-5	Pentachlorophenol	55.9	U	55.9	360	ug/Kg
85-01-8	Phenanthrene	22.8	U	22.8	190	ug/Kg
120-12-7	Anthracene	36.3	U	36.3	190	ug/Kg
86-74-8	Carbazole	34.0	U	34.0	190	ug/Kg
84-74-2	Di-n-butylphthalate	52.2	U	52.2	190	ug/Kg
206-44-0	Fluoranthene	94.7	J	32.7	190	ug/Kg
129-00-0	Pyrene	39.2	U	39.2	190	ug/Kg
85-68-7	Butylbenzylphthalate	77.7	U	77.7	190	ug/Kg
91-94-1	3,3-Dichlorobenzidine	40.0	U	40.0	360	ug/Kg
56-55-3	Benzo(a)anthracene	73.5	J	25.0	190	ug/Kg
218-01-9	Chrysene	74.0	J	21.7	190	ug/Kg
117-81-7	Bis(2-ethylhexyl)phthalate	64.5	U	64.5	190	ug/Kg
117-84-0	Di-n-octyl phthalate	94.5	U	94.5	360	ug/Kg
205-99-2	Benzo(b)fluoranthene	140	J	20.7	190	ug/Kg

Report of Analysis

Client:	CDM Smith	Date Collected:	07/03/25
Project:	South River WM Replacement	Date Received:	07/03/25
Client Sample ID:	TP-90	SDG No.:	Q2514
Lab Sample ID:	Q2514-10	Matrix:	SOIL
Analytical Method:	8270E	% Solid:	91.6
Sample Wt/Vol:	30.08 Units: g	Final Vol:	1000 uL
Soil Aliquot Vol:	uL	Test:	SVOC-TCL BNA -20
Extraction Type :	Decanted : N	Level :	LOW
Injection Volume :	GPC Factor : 1.0	GPC Cleanup :	N PH :
Prep Method :	SW3541		

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
BF143045.D	1	07/07/25 09:00	07/08/25 21:12	PB168737

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units(Dry Weight)
207-08-9	Benzo(k)fluoranthene	24.4	U	24.4	190	ug/Kg
50-32-8	Benzo(a)pyrene	98.9	J	32.1	190	ug/Kg
193-39-5	Indeno(1,2,3-cd)pyrene	31.7	U	31.7	190	ug/Kg
53-70-3	Dibenzo(a,h)anthracene	29.8	U	29.8	190	ug/Kg
191-24-2	Benzo(g,h,i)perylene	28.0	U	28.0	190	ug/Kg
95-94-3	1,2,4,5-Tetrachlorobenzene	27.9	U	27.9	190	ug/Kg
123-91-1	1,4-Dioxane	49.2	U	49.2	190	ug/Kg
58-90-2	2,3,4,6-Tetrachlorophenol	29.8	U	29.8	190	ug/Kg
SURROGATES						
367-12-4	2-Fluorophenol	48.7		18 - 112	32%	SPK: 150
13127-88-3	Phenol-d6	47.1		15 - 107	31%	SPK: 150
4165-60-0	Nitrobenzene-d5	34.4		18 - 107	34%	SPK: 100
321-60-8	2-Fluorobiphenyl	38.3		20 - 109	38%	SPK: 100
118-79-6	2,4,6-Tribromophenol	41.7		10 - 116	28%	SPK: 150
1718-51-0	Terphenyl-d14	23.7		10 - 105	24%	SPK: 100
INTERNAL STANDARDS						
3855-82-1	1,4-Dichlorobenzene-d4	51700	6.869			
1146-65-2	Naphthalene-d8	174000	8.157			
15067-26-2	Acenaphthene-d10	74700	9.91			
1517-22-2	Phenanthrene-d10	119000	11.404			
1719-03-5	Chrysene-d12	134000	14.051			
1520-96-3	Perylene-d12	110000	15.545			
TENTATIVE IDENTIFIED COMPOUNDS						
000123-42-2	2-Pentanone, 4-hydroxy-4-methyl-	110	AB		5.08	ug/Kg
000119-61-9	Benzophenone	130	J		10.6	ug/Kg
1000411-48-9	N-[(2-Phenyl-1,3-dioxolan-2-yl)met	86.0	J		13.9	ug/Kg
000192-97-2	Benzo[e]pyrene	77.3	J		15.4	ug/Kg

Report of Analysis

Client:	CDM Smith	Date Collected:	07/03/25
Project:	South River WM Replacement	Date Received:	07/03/25
Client Sample ID:	TP-90	SDG No.:	Q2514
Lab Sample ID:	Q2514-10	Matrix:	SOIL
Analytical Method:	8270E	% Solid:	91.6
Sample Wt/Vol:	30.08 Units: g	Final Vol:	1000 uL
Soil Aliquot Vol:	uL	Test:	SVOC-TCL BNA -20
Extraction Type :	Decanted : N	Level :	LOW
Injection Volume :	GPC Factor : 1.0	GPC Cleanup :	N PH :
Prep Method :	SW3541		

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
BF143045.D	1	07/07/25 09:00	07/08/25 21:12	PB168737

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\BF070825\
 Data File : BF143045.D
 Acq On : 08 Jul 2025 21:12
 Operator : RC/JU
 Sample : Q2514-10
 Misc :
 ALS Vial : 22 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 TP-90

Quant Time: Jul 09 01:42:24 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)

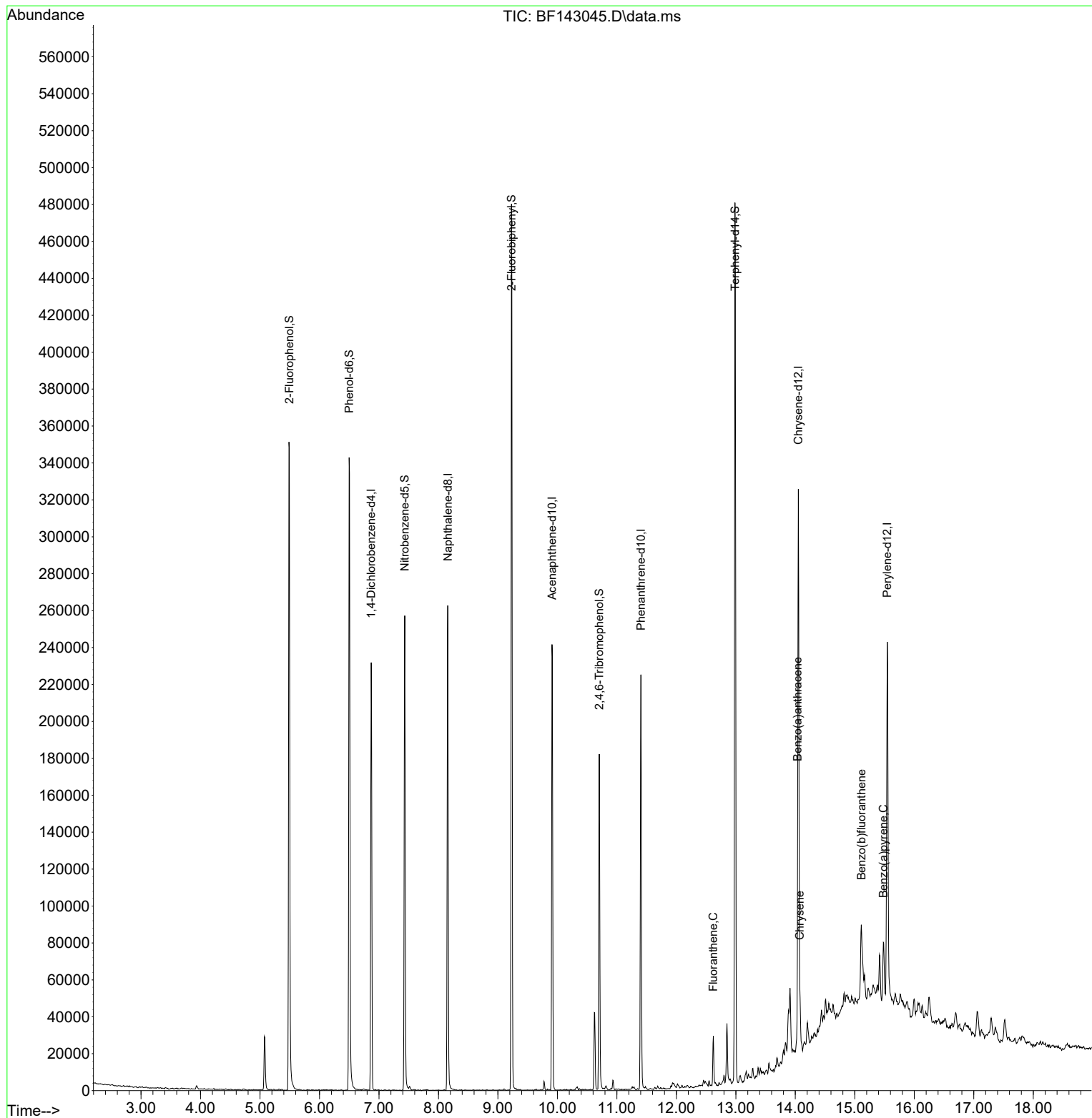
Internal Standards						
1) 1,4-Dichlorobenzene-d4	6.869	152	51734	20.000	ng	-0.01
21) Naphthalene-d8	8.157	136	174400	20.000	ng	-0.01
39) Acenaphthene-d10	9.910	164	74685	20.000	ng	-0.01
64) Phenanthrene-d10	11.404	188	119276	20.000	ng	0.00
76) Chrysene-d12	14.051	240	133812	20.000	ng	0.00
86) Perylene-d12	15.545	264	110430	20.000	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.493	112	151318	48.698	ng	0.00
7) Phenol-d6	6.498	99	172557	47.070	ng	-0.01
23) Nitrobenzene-d5	7.434	82	109513	34.443	ng	-0.01
42) 2,4,6-Tribromophenol	10.704	330	32081	41.742	ng	-0.01
45) 2-Fluorobiphenyl	9.228	172	217850	38.319	ng	-0.02
79) Terphenyl-d14	12.986	244	229817	23.730	ng	-0.01
Target Compounds						Qvalue
75) Fluoranthene	12.622	202	15998	2.609	ng	100
81) Benzo(a)anthracene	14.039	228	18292	2.026	ng	95
83) Chrysene	14.074	228	16427	2.039	ng	94
88) Benzo(b)fluoranthene	15.110	252	23892m	3.739	ng	
90) Benzo(a)pyrene	15.480	252	16820	2.725	ng	# 94

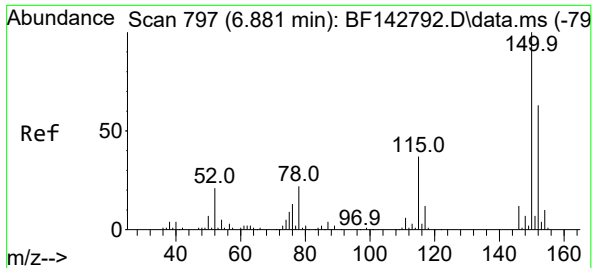
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF070825\
Data File : BF143045.D
Acq On : 08 Jul 2025 21:12
Operator : RC/JU
Sample : Q2514-10
Misc :
ALS Vial : 22 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
TP-90

Quant Time: Jul 09 01:42:24 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

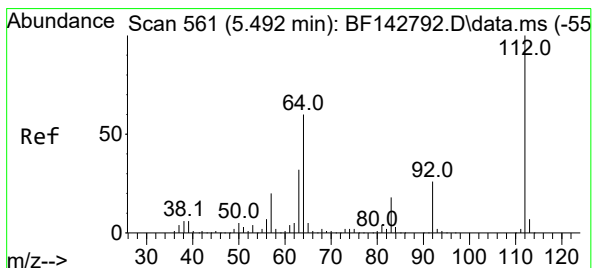
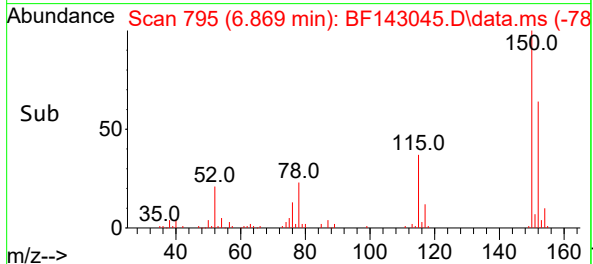
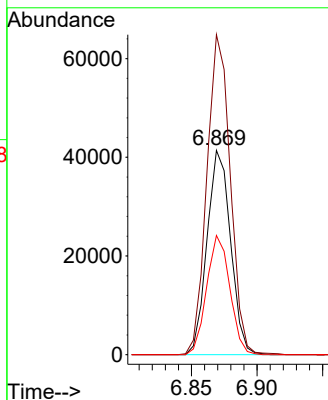
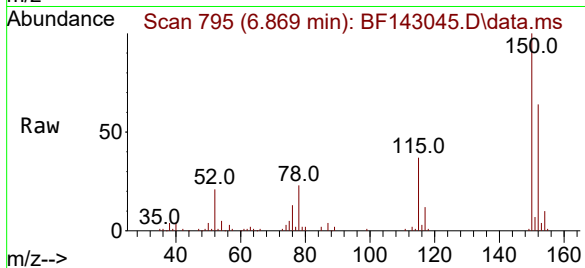




#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.869 min Scan# 797
Delta R.T. -0.012 min
Lab File: BF143045.D
Acq: 08 Jul 2025 21:12

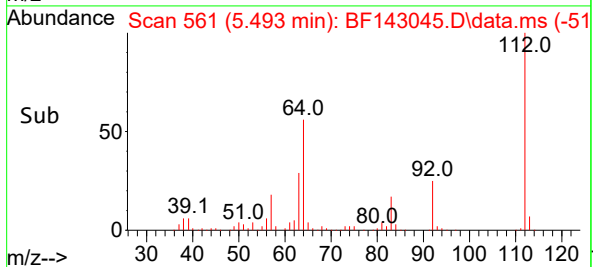
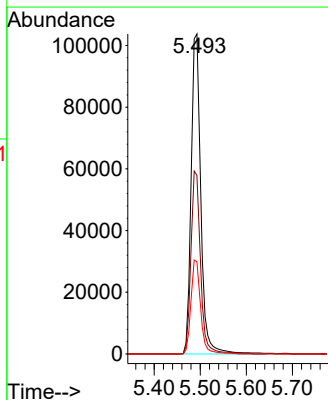
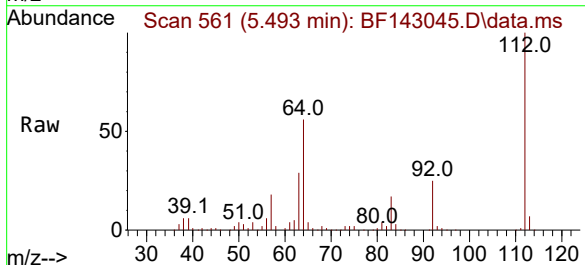
Instrument :
BNA_F
ClientSampleId :
TP-90

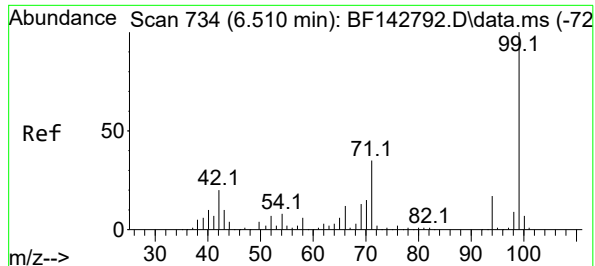
Tgt Ion:152 Resp: 51734
Ion Ratio Lower Upper
152 100
150 156.6 127.2 190.8
115 58.3 46.6 69.8



#5
2-Fluorophenol
Concen: 48.698 ng
RT: 5.493 min Scan# 561
Delta R.T. 0.001 min
Lab File: BF143045.D
Acq: 08 Jul 2025 21:12

Tgt Ion:112 Resp: 151318
Ion Ratio Lower Upper
112 100
64 55.8 48.2 72.2
63 28.9 25.7 38.5

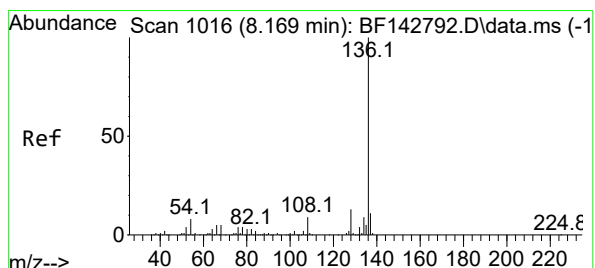
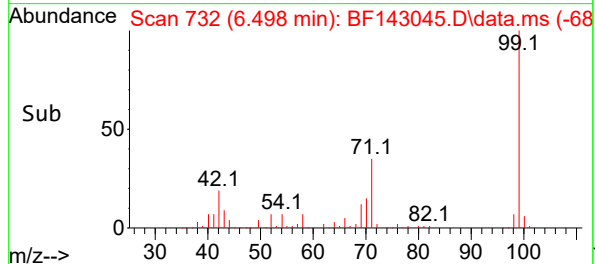
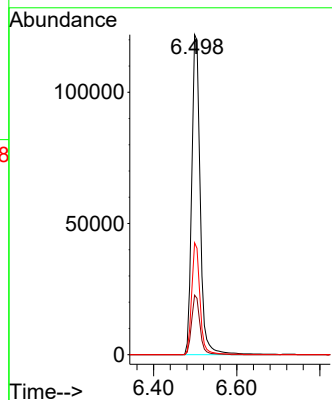
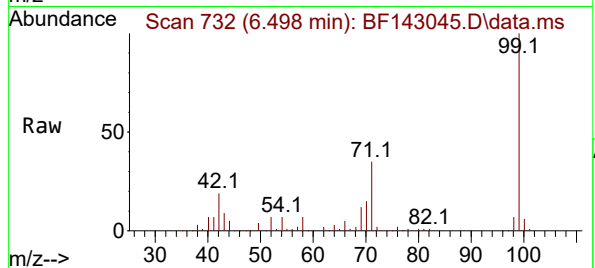




#7
Phenol-d6
Concen: 47.070 ng
RT: 6.498 min Scan# 71
Delta R.T. -0.012 min
Lab File: BF143045.D
Acq: 08 Jul 2025 21:12

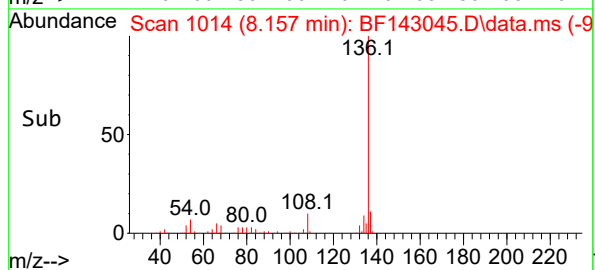
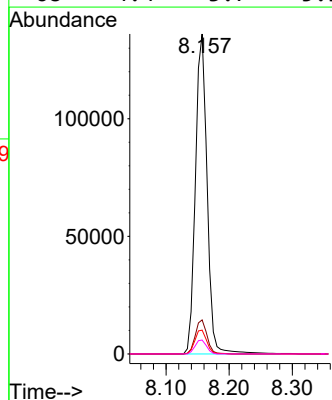
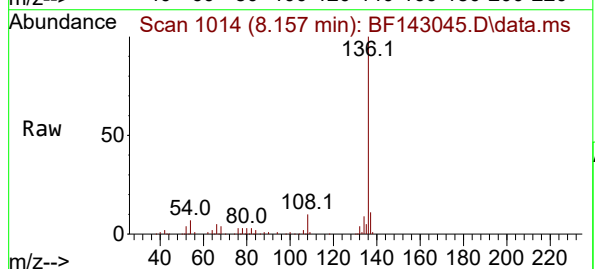
Instrument :
BNA_F
ClientSampleId :
TP-90

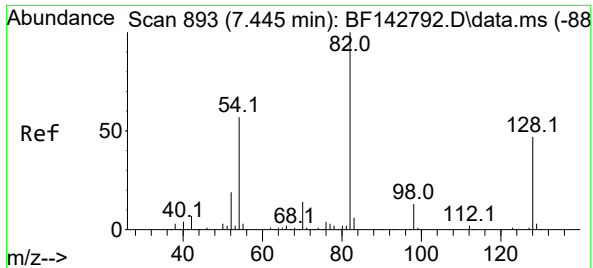
Tgt Ion: 99 Resp: 172557
Ion Ratio Lower Upper
99 100
42 18.6 15.9 23.9
71 34.9 27.8 41.8



#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.157 min Scan# 1014
Delta R.T. -0.012 min
Lab File: BF143045.D
Acq: 08 Jul 2025 21:12

Tgt Ion: 136 Resp: 174400
Ion Ratio Lower Upper
136 100
137 10.7 8.4 12.6
54 7.5 6.3 9.5
68 4.4 3.7 5.5





#23

Nitrobenzene-d5

Concen: 34.443 ng

RT: 7.434 min Scan# 89

Delta R.T. -0.011 min

Lab File: BF143045.D

Acq: 08 Jul 2025 21:12

Instrument :

BNA_F

ClientSampleId :

TP-90

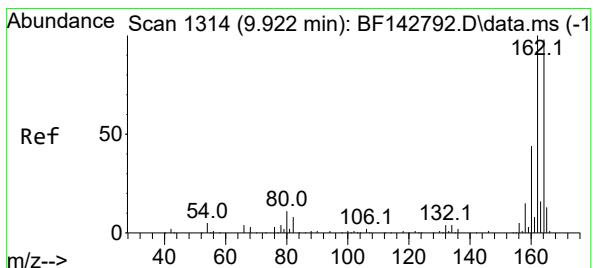
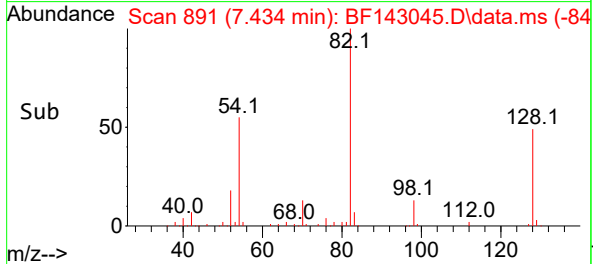
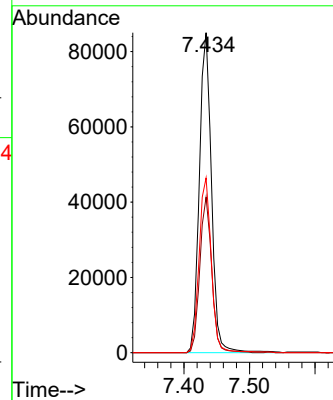
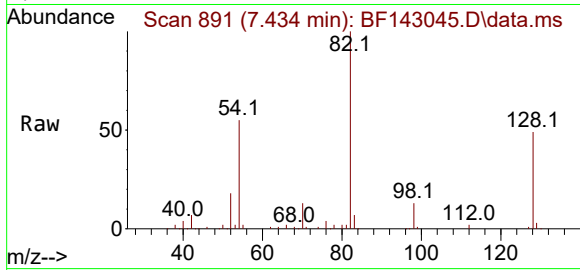
Tgt Ion: 82 Resp: 109513

Ion Ratio Lower Upper

82 100

128 48.6 37.7 56.5

54 54.6 45.7 68.5



#39

Acenaphthene-d10

Concen: 20.000 ng

RT: 9.910 min Scan# 1312

Delta R.T. -0.012 min

Lab File: BF143045.D

Acq: 08 Jul 2025 21:12

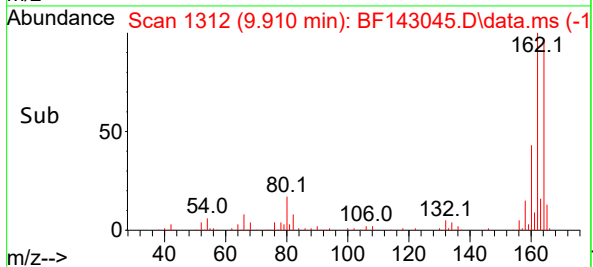
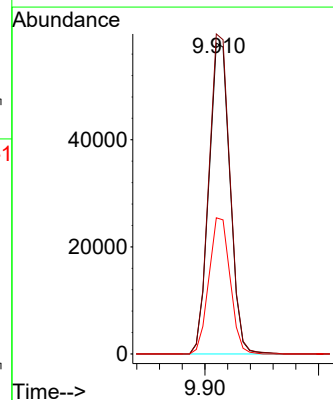
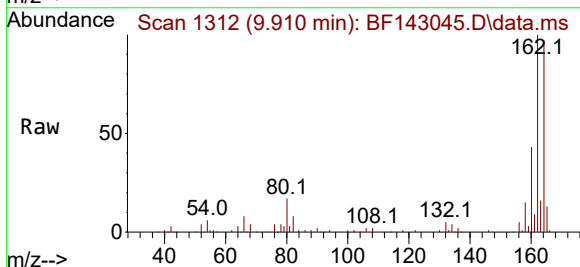
Tgt Ion:164 Resp: 74685

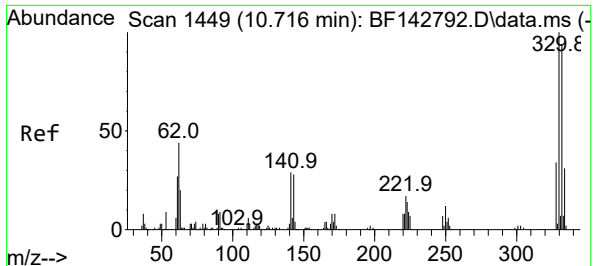
Ion Ratio Lower Upper

164 100

162 102.9 81.8 122.8

160 43.8 36.0 54.0





#42

2,4,6-Tribromophenol

Concen: 41.742 ng

RT: 10.704 min Scan# 1447

Delta R.T. -0.012 min

Lab File: BF143045.D

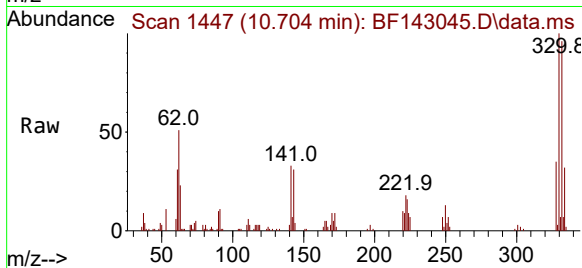
Acq: 08 Jul 2025 21:12

Instrument :

BNA_F

ClientSampleId :

TP-90



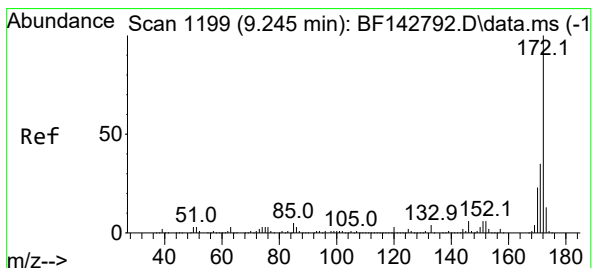
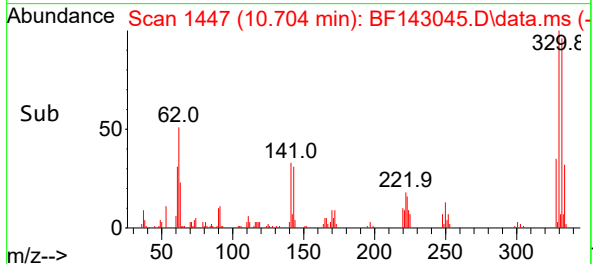
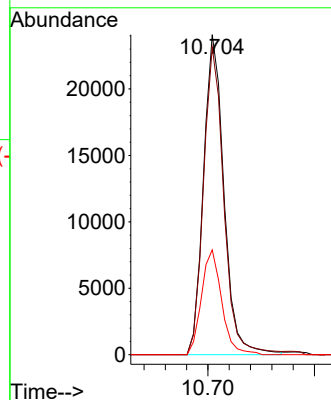
Tgt Ion:330 Resp: 32081

Ion Ratio Lower Upper

330 100

332 96.5 75.0 112.6

141 32.4 25.3 37.9



#45

2-Fluorobiphenyl

Concen: 38.319 ng

RT: 9.228 min Scan# 1196

Delta R.T. -0.017 min

Lab File: BF143045.D

Acq: 08 Jul 2025 21:12

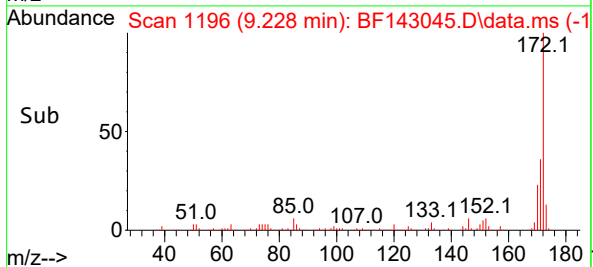
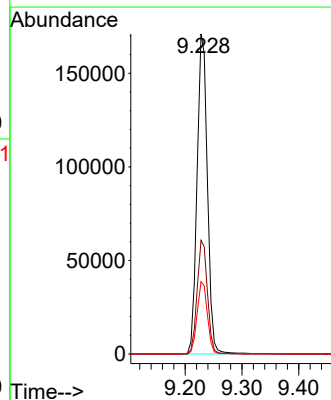
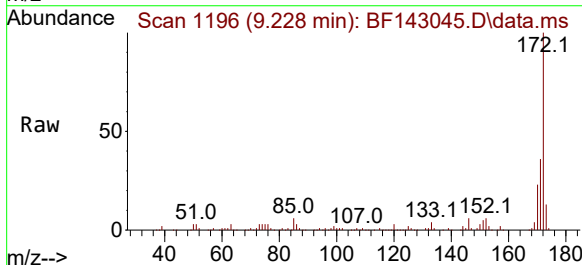
Tgt Ion:172 Resp: 217850

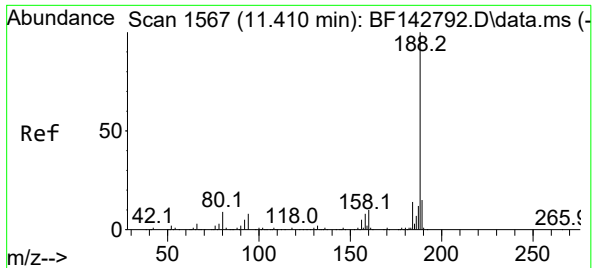
Ion Ratio Lower Upper

172 100

171 35.5 28.2 42.4

170 22.6 18.5 27.7

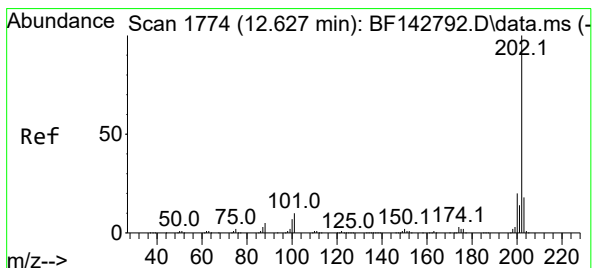
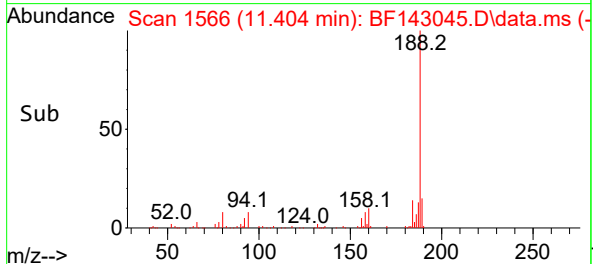
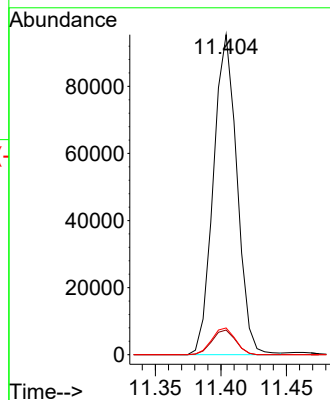
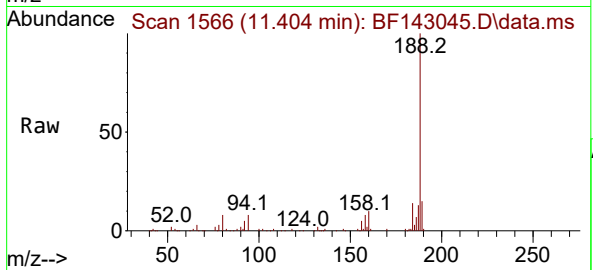




#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.404 min Scan# 11
Delta R.T. -0.006 min
Lab File: BF143045.D
Acq: 08 Jul 2025 21:12

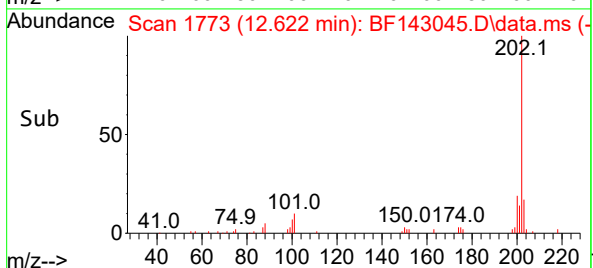
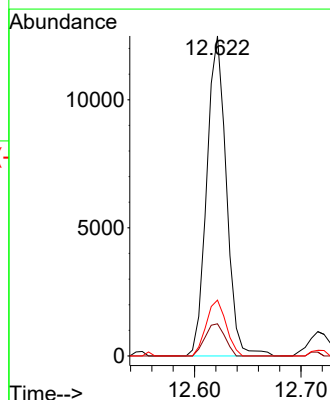
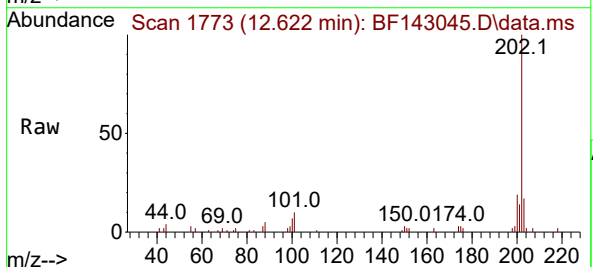
Instrument :
BNA_F
ClientSampleId :
TP-90

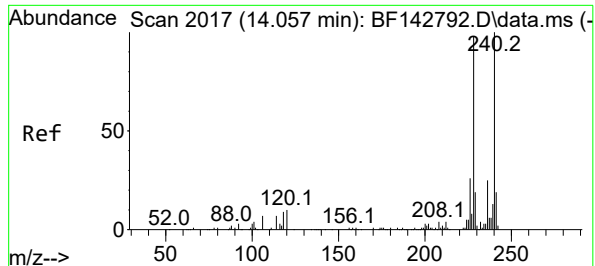
Tgt Ion:188 Resp: 119276
Ion Ratio Lower Upper
188 100
94 7.7 6.7 10.1
80 8.4 6.9 10.3



#75
Fluoranthene
Concen: 2.609 ng
RT: 12.622 min Scan# 1773
Delta R.T. -0.006 min
Lab File: BF143045.D
Acq: 08 Jul 2025 21:12

Tgt Ion:202 Resp: 15998
Ion Ratio Lower Upper
202 100
101 10.0 0.0 29.7
203 17.5 0.0 37.5





#76

Chrysene-d12

Concen: 20.000 ng

RT: 14.051 min Scan# 20

Delta R.T. -0.006 min

Lab File: BF143045.D

Acq: 08 Jul 2025 21:12

Instrument :

BNA_F

ClientSampleId :

TP-90

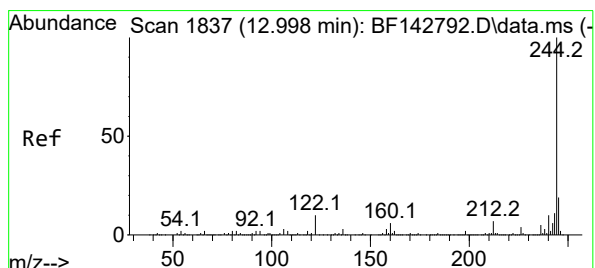
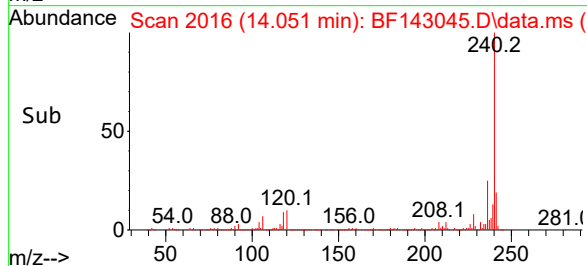
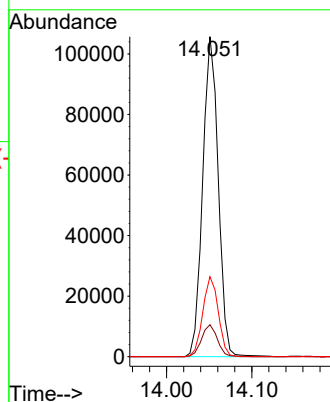
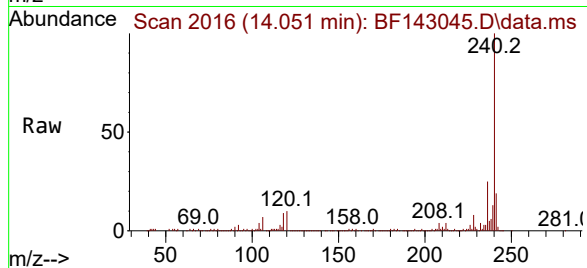
Tgt Ion:240 Resp: 133812

Ion Ratio Lower Upper

240 100

120 10.0 8.2 12.2

236 25.0 19.8 29.8



#79

Terphenyl-d14

Concen: 23.730 ng

RT: 12.986 min Scan# 1835

Delta R.T. -0.012 min

Lab File: BF143045.D

Acq: 08 Jul 2025 21:12

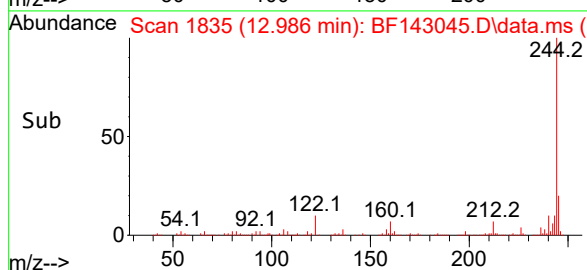
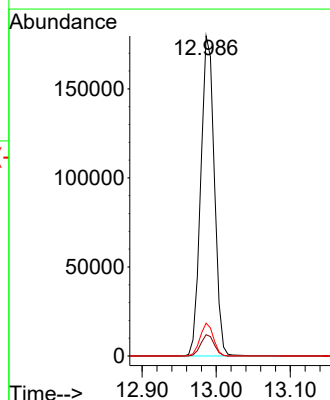
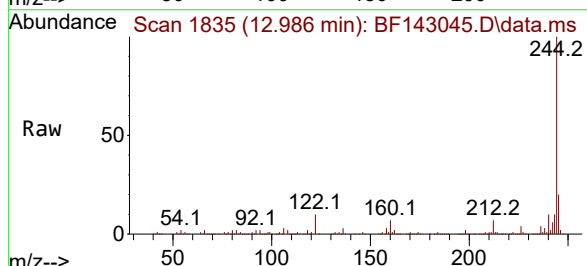
Tgt Ion:244 Resp: 229817

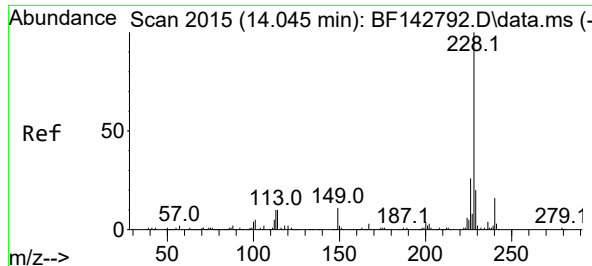
Ion Ratio Lower Upper

244 100

212 6.6 5.4 8.0

122 10.3 8.2 12.2

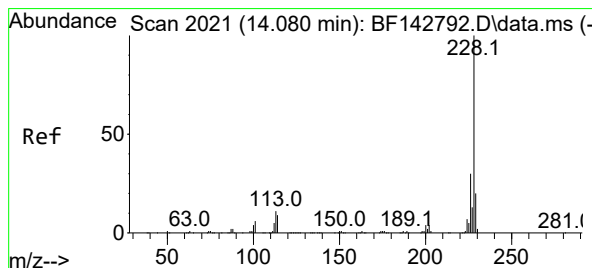
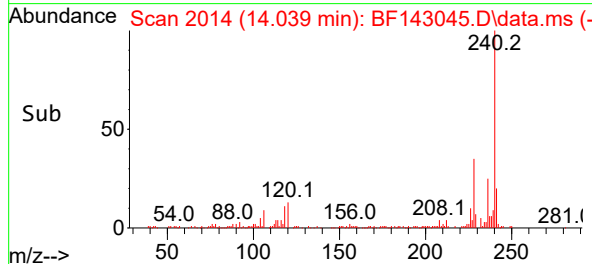
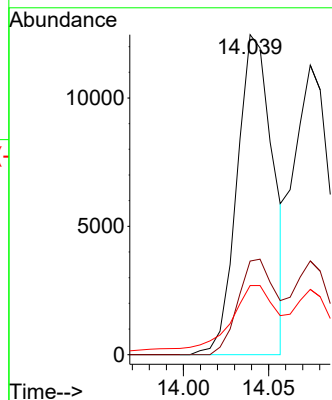
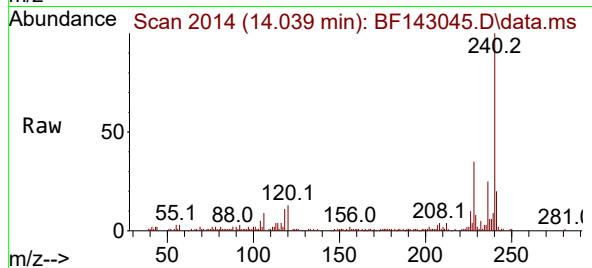




#81
Benzo(a)anthracene
Concen: 2.026 ng
RT: 14.039 min Scan# 2014
Delta R.T. -0.006 min
Lab File: BF143045.D
Acq: 08 Jul 2025 21:12

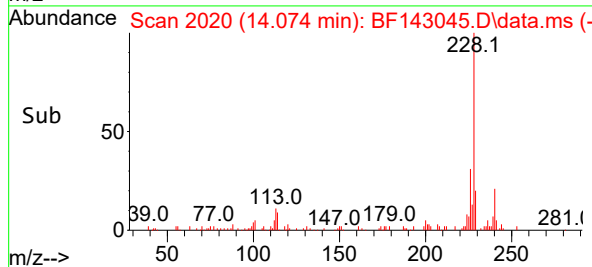
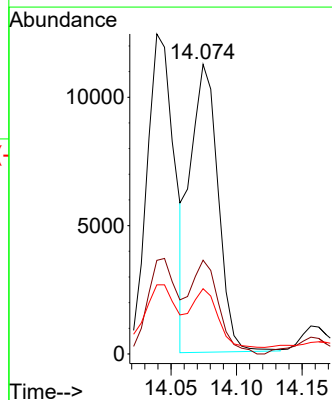
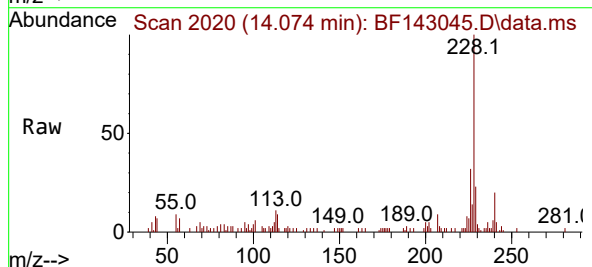
Instrument :
BNA_F
ClientSampleId :
TP-90

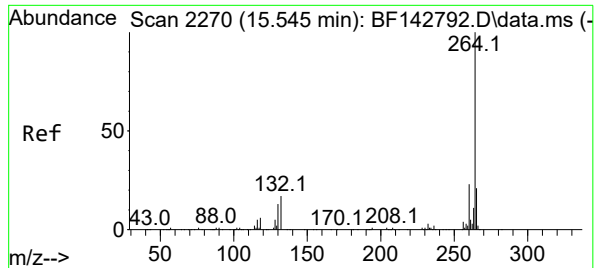
Tgt Ion:228 Resp: 18292
Ion Ratio Lower Upper
228 100
226 29.3 21.2 31.8
229 21.6 15.6 23.4



#83
Chrysene
Concen: 2.039 ng
RT: 14.074 min Scan# 2020
Delta R.T. -0.006 min
Lab File: BF143045.D
Acq: 08 Jul 2025 21:12

Tgt Ion:228 Resp: 16427
Ion Ratio Lower Upper
228 100
226 32.4 23.7 35.5
229 22.5 15.7 23.5

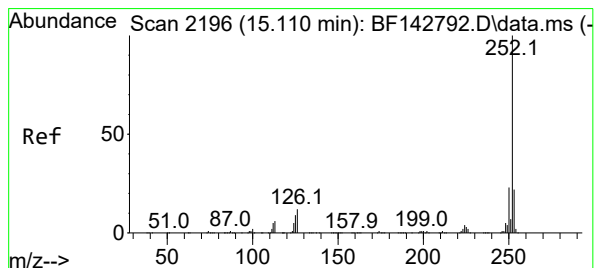
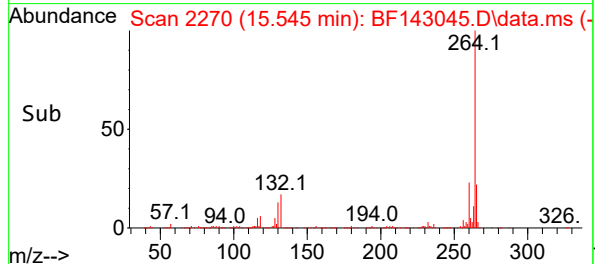
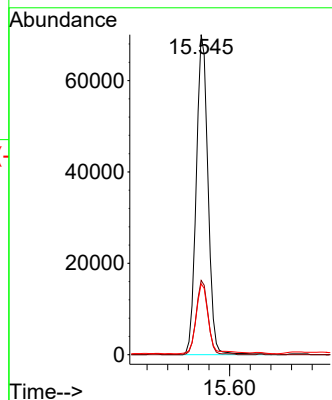
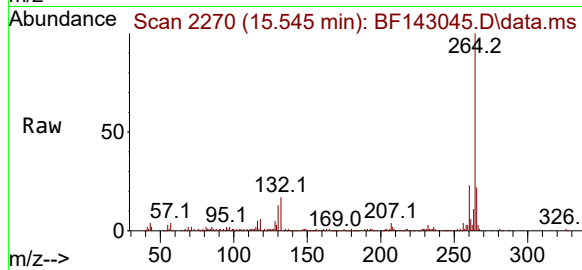




#86
Perylene-d12
Concen: 20.000 ng
RT: 15.545 min Scan# 2196
Delta R.T. 0.000 min
Lab File: BF143045.D
Acq: 08 Jul 2025 21:12

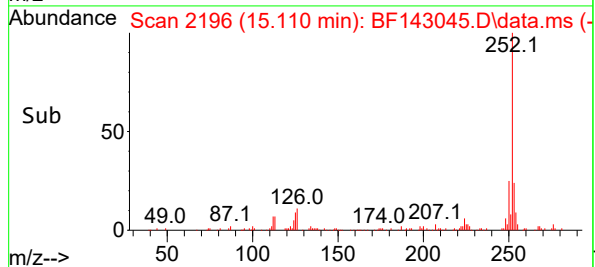
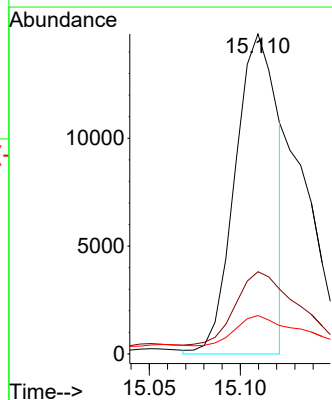
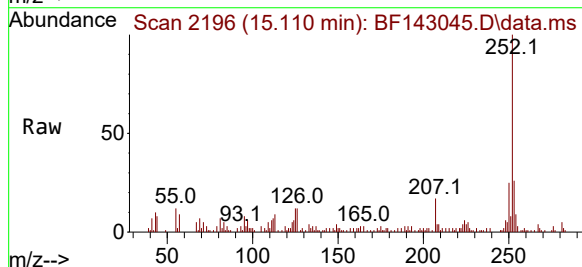
Instrument :
BNA_F
ClientSampleId :
TP-90

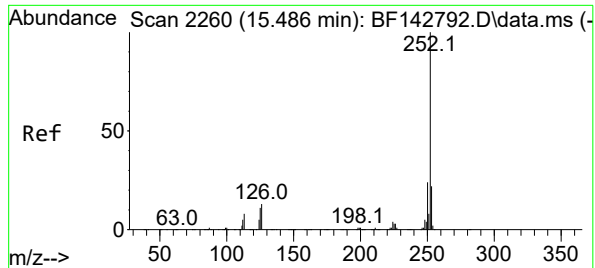
Tgt Ion:264 Resp: 110430
Ion Ratio Lower Upper
264 100
260 23.2 18.1 27.1
265 22.2 16.6 25.0



#88
Benzo(b)fluoranthene
Concen: 3.739 ng m
RT: 15.110 min Scan# 2196
Delta R.T. 0.000 min
Lab File: BF143045.D
Acq: 08 Jul 2025 21:12

Tgt Ion:252 Resp: 23892
Ion Ratio Lower Upper
252 100
253 25.7 17.5 26.3
125 12.0 7.4 11.0#





#90

Benzo(a)pyrene

Concen: 2.725 ng

RT: 15.480 min Scan# 21

Delta R.T. -0.006 min

Lab File: BF143045.D

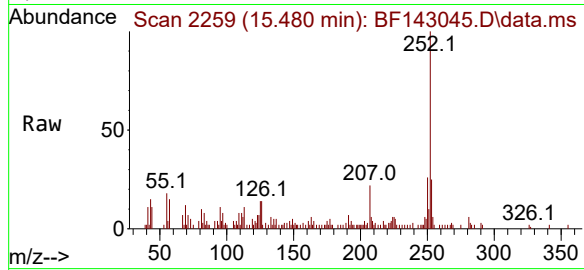
Acq: 08 Jul 2025 21:12

Instrument :

BNA_F

ClientSampleId :

TP-90



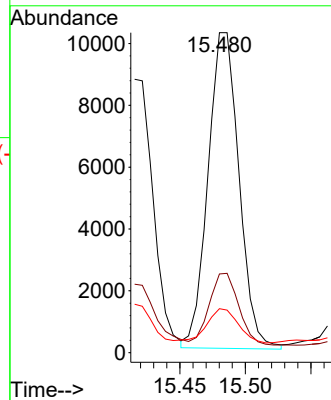
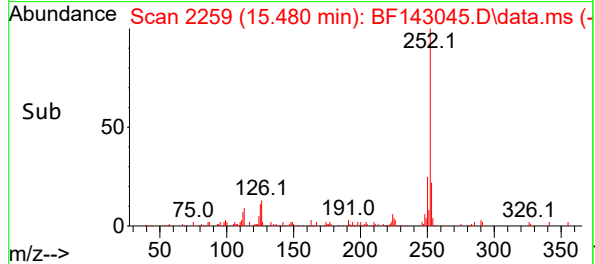
Tgt Ion:252 Resp: 16820

Ion Ratio Lower Upper

252 100

253 24.6 17.5 26.3

125 13.7 8.6 12.8#



Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF070825\
 Data File : BF143045.D
 Acq On : 08 Jul 2025 21:12
 Operator : RC/JU
 Sample : Q2514-10
 Misc :
 ALS Vial : 22 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 TP-90

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: BF143045.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	484	490	503	rBV	28861	44607	7.35%	0.838%
2	5.487	555	560	578	rBV	351021	504757	83.16%	9.486%
3	6.498	727	732	752	rBV	342578	477655	78.70%	8.977%
4	6.869	790	795	805	rBV	231734	284530	46.88%	5.347%
5	7.434	886	891	902	rBV	256937	326534	53.80%	6.137%
6	8.157	1009	1014	1030	rBV	262615	333443	54.94%	6.267%
7	9.228	1191	1196	1208	rBV	479853	596317	98.25%	11.207%
8	9.775	1283	1289	1296	rVB	4751	6143	1.01%	0.115%
9	9.910	1308	1312	1323	rVB	241444	307091	50.60%	5.771%
10	10.622	1428	1433	1441	rBV	41907	55871	9.21%	1.050%
11	10.704	1442	1447	1457	rVV	181483	232534	38.31%	4.370%
12	10.933	1482	1486	1490	rVB	5030	6451	1.06%	0.121%
13	11.404	1561	1566	1576	rBV	224592	283283	46.67%	5.324%
14	12.622	1769	1773	1778	rBV	26890	33404	5.50%	0.628%
15	12.798	1797	1803	1806	rBV5	4485	6482	1.07%	0.122%
16	12.851	1806	1812	1819	rBV	32116	46507	7.66%	0.874%
17	12.986	1830	1835	1844	rVB	476755	606935	100.00%	11.406%
18	13.074	1844	1850	1856	rBV4	3914	7841	1.29%	0.147%
19	13.174	1861	1867	1871	rBV3	5287	10154	1.67%	0.191%
20	13.286	1882	1886	1891	rVB2	5596	7771	1.28%	0.146%
21	13.557	1928	1932	1942	rBV8	5932	13732	2.26%	0.258%
22	13.692	1952	1955	1960	rBV2	4852	6697	1.10%	0.126%
23	13.804	1970	1974	1976	rBV2	5676	8207	1.35%	0.154%
24	13.833	1976	1979	1983	rVV3	8370	14628	2.41%	0.275%
25	13.886	1983	1988	1989	rVV3	24388	35479	5.85%	0.667%
26	13.910	1989	1992	1998	rVB2	34880	55256	9.10%	1.038%
27	14.051	2008	2016	2028	rBV	304933	466466	76.86%	8.766%
28	14.204	2038	2042	2049	rBV6	11404	20000	3.30%	0.376%
29	14.510	2091	2094	2097	rBV3	9779	12738	2.10%	0.239%
30	15.110	2192	2196	2203	rBV	35392	72398	11.93%	1.361%
31	15.416	2246	2248	2254	rVB	24700	34323	5.66%	0.645%
32	15.480	2255	2259	2265	rVV	31348	55993	9.23%	1.052%
33	15.545	2265	2270	2283	rVB	194004	322879	53.20%	6.068%
34	17.521	2602	2606	2614	rVB	10667	23906	3.94%	0.449%

Sum of corrected areas: 5321012

Instrument :

BNA_F

ClientSampleId :

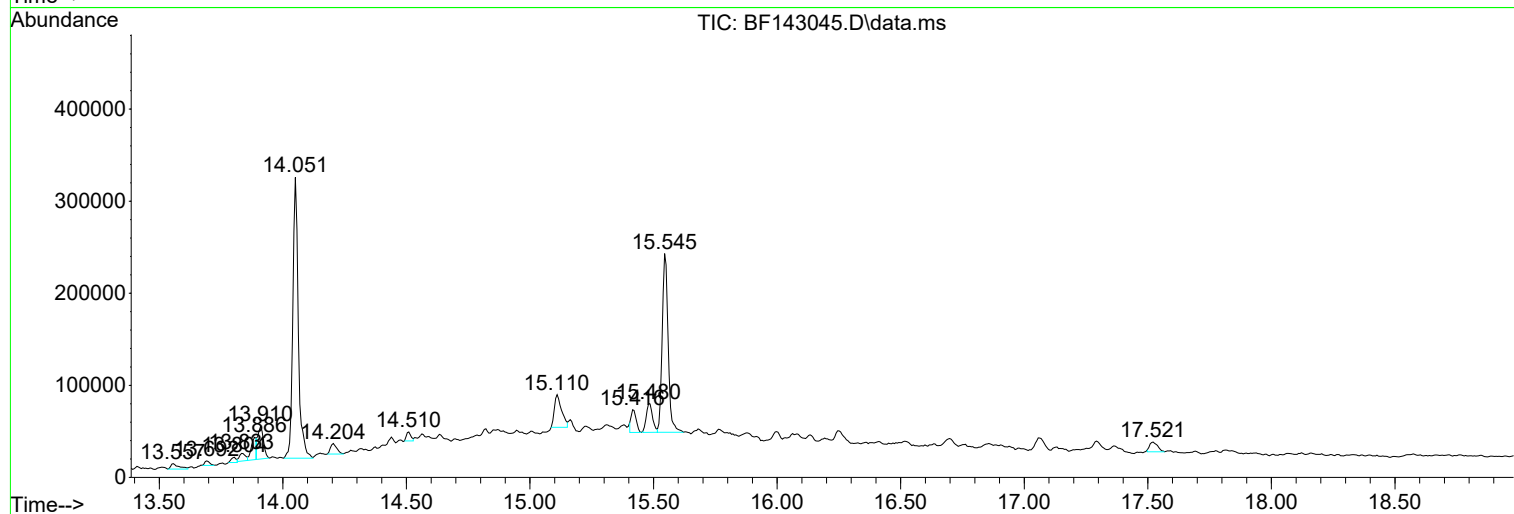
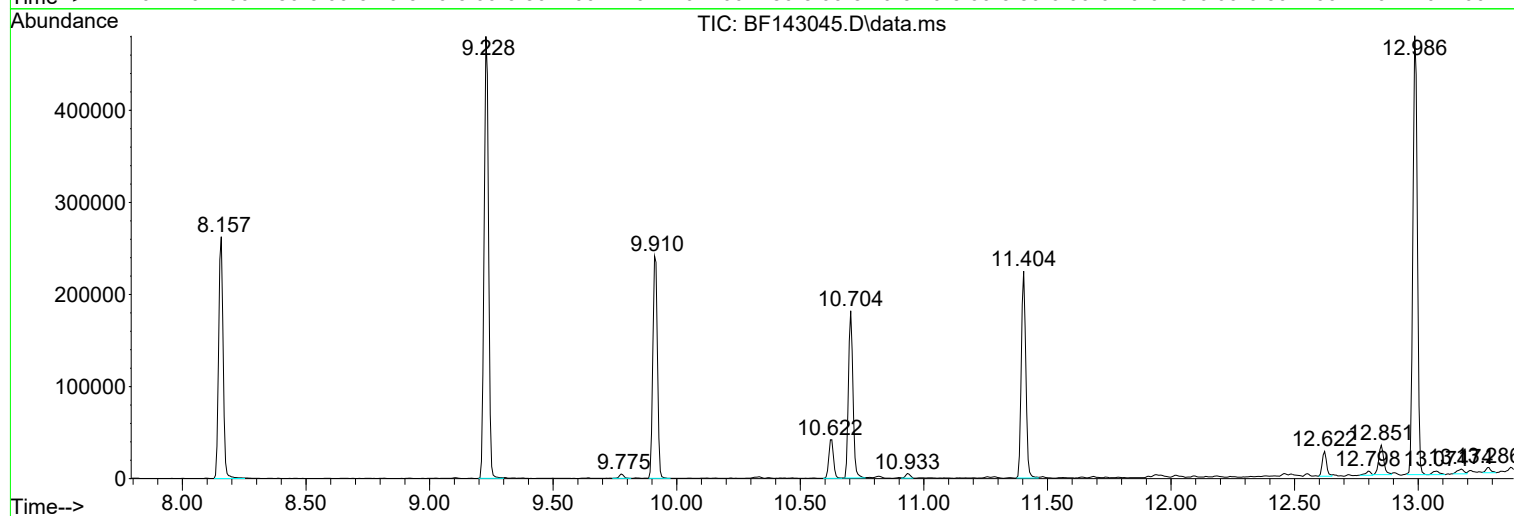
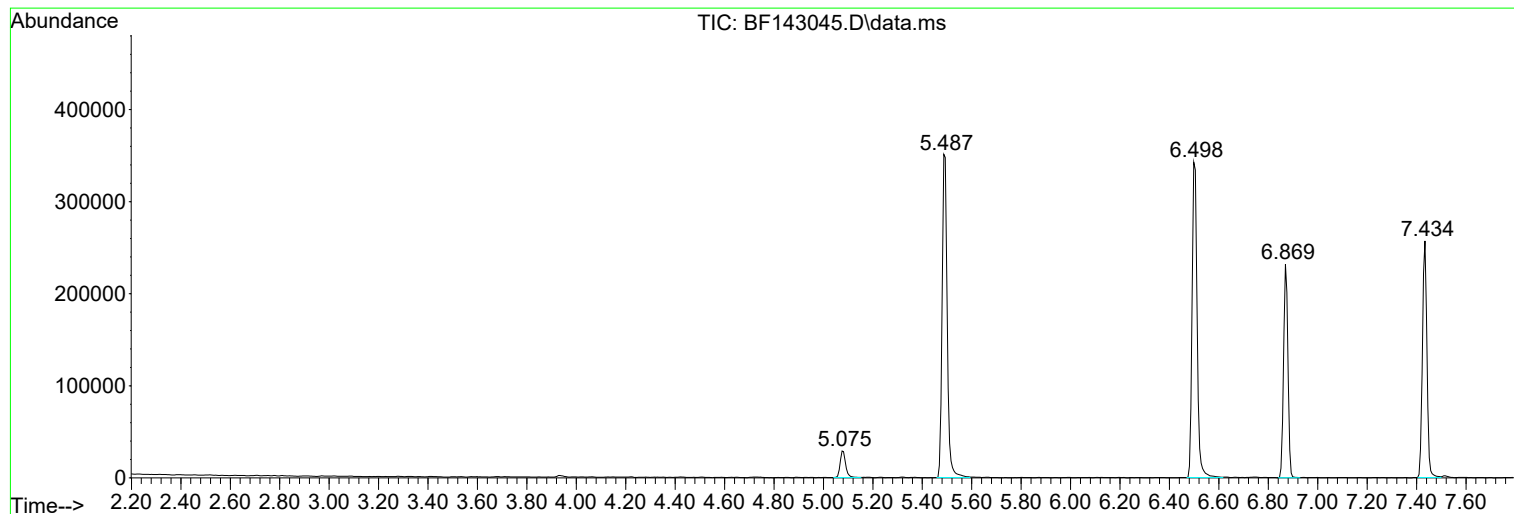
TP-90

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF070825\
Data File : BF143045.D
Acq On : 08 Jul 2025 21:12
Operator : RC/JU
Sample : Q2514-10
Misc :
ALS Vial : 22 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
TP-90

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\BF070825\
Data File : BF143045.D
Acq On : 08 Jul 2025 21:12
Operator : RC/JU
Sample : Q2514-10
Misc :
ALS Vial : 22 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
TP-90

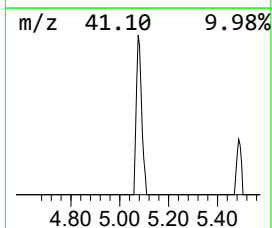
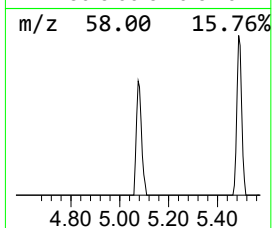
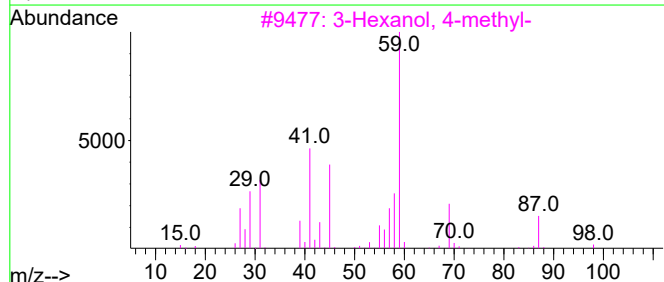
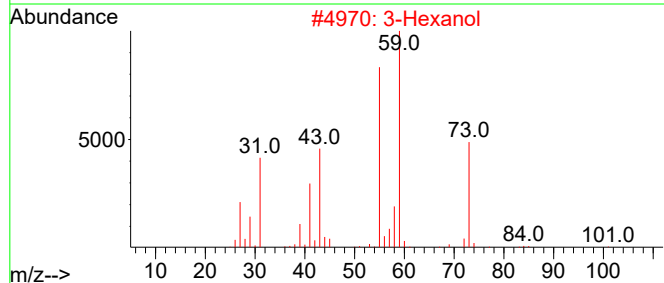
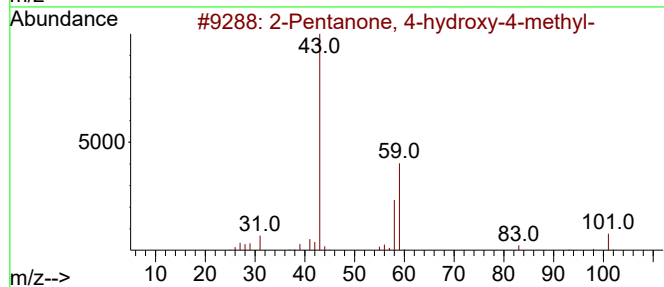
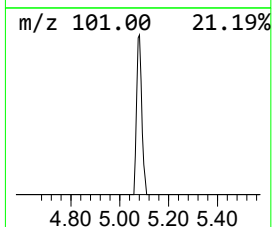
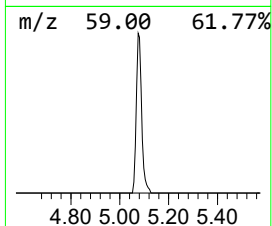
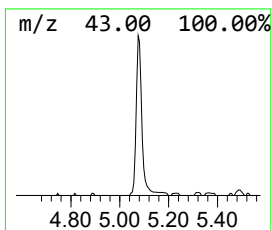
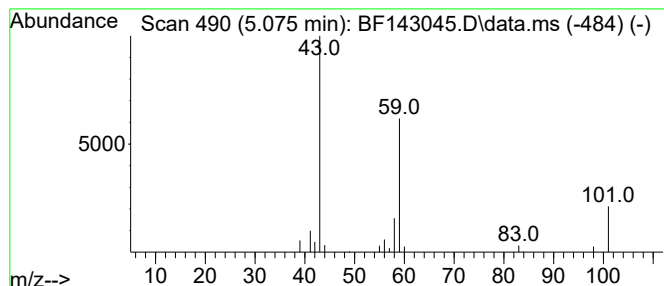
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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.
5.075	3.14 ng	44607	1,4-Dichlorobenzene-d4	6.869

Hit#	of	5	Tentative ID	MW	MolForm	CAS#	Qual
1	2-Pentanone, 4-hydroxy-4-methyl-	116	C6H12O2	000123-42-2	56		
2	3-Hexanol	102	C6H14O	000623-37-0	28		
3	3-Hexanol, 4-methyl-	116	C7H16O	000615-29-2	28		
4	5-Hexen-2-one	98	C6H10O	000109-49-9	9		
5	2-Pentanol, 2,4-dimethyl-	116	C7H16O	000625-06-9	9		



Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF070825\
Data File : BF143045.D
Acq On : 08 Jul 2025 21:12
Operator : RC/JU
Sample : Q2514-10
Misc :
ALS Vial : 22 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
TP-90

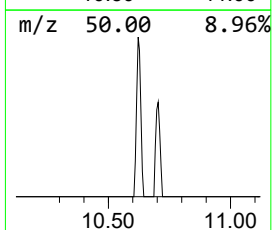
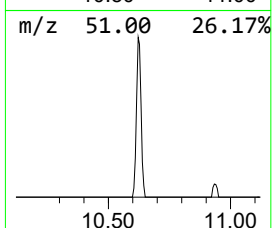
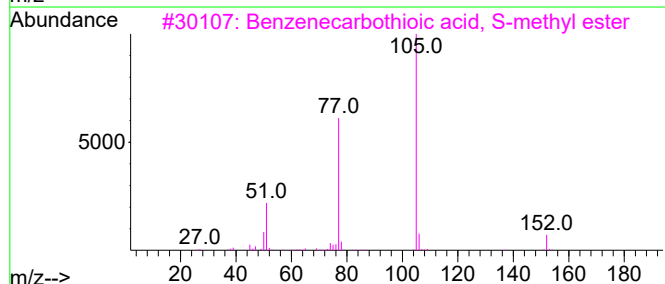
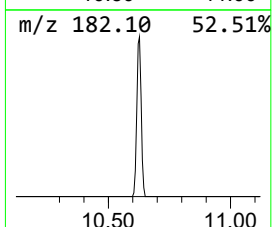
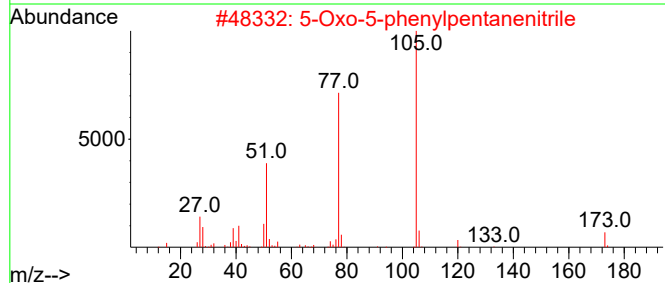
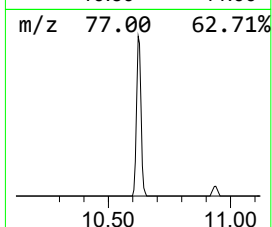
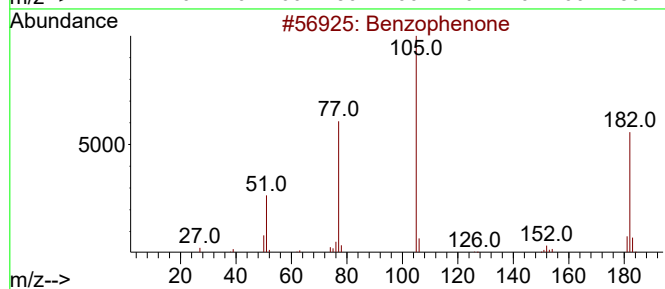
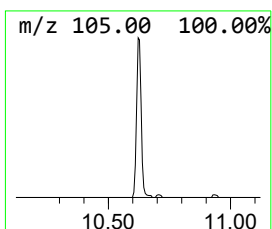
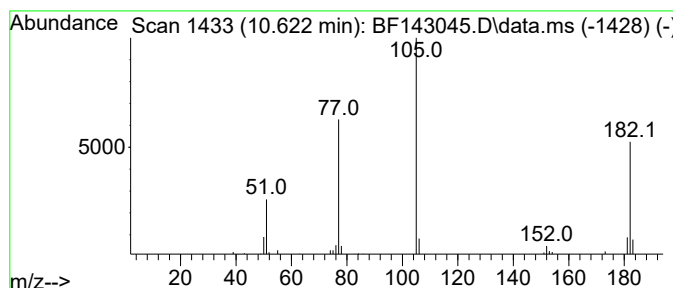
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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.
10.622	3.64 ng	55871	Acenaphthene-d10	9.910

Hit#	of	5	Tentative ID	MW	MolForm	CAS#	Qual
1			Benzophenone	182	C13H10O	000119-61-9	96
2			5-Oxo-5-phenylpentanenitrile	173	C11H11NO	1000486-83-7	49
3			Benzenecarbothioic acid, S-methy...	152	C8H8OS	005925-68-8	49
4			Acetophenone, 2-chloro-	154	C8H7ClO	000532-27-4	49
5			N-Methylbenzamide, N-trifluoroac...	231	C10H8F3NO2	1000446-91-5	47



Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF070825\
Data File : BF143045.D
Acq On : 08 Jul 2025 21:12
Operator : RC/JU
Sample : Q2514-10
Misc :
ALS Vial : 22 Sample Multiplier: 1

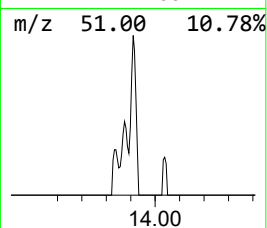
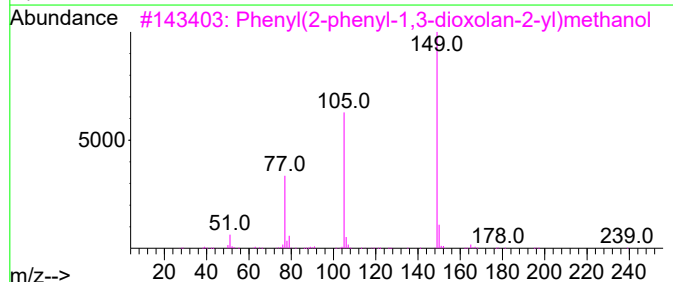
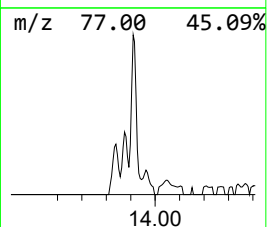
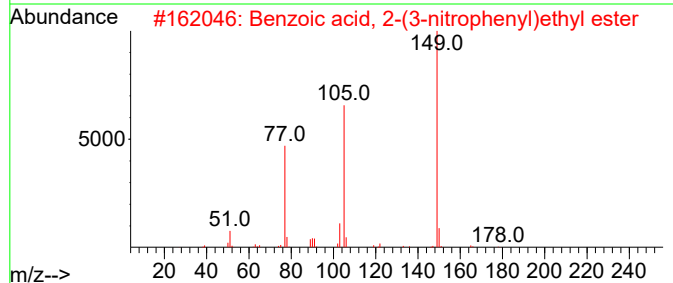
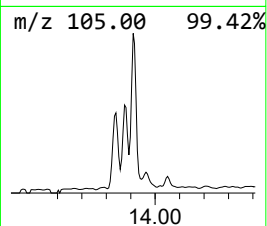
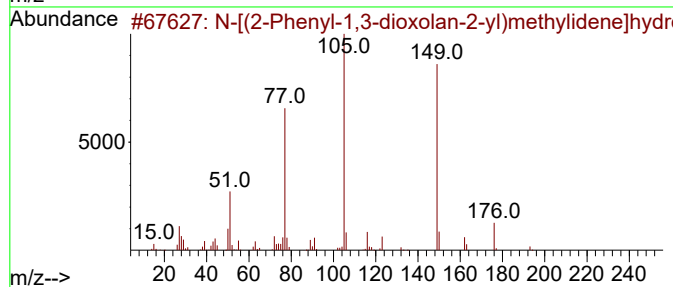
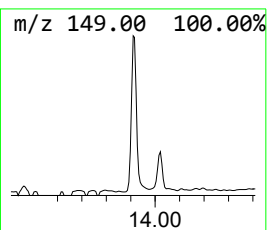
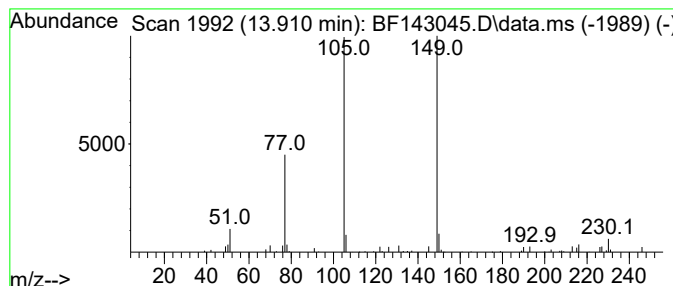
Instrument :
BNA_F
ClientSampleId :
TP-90

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

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

Peak Number 3 N-[(2-Phenyl-1,3-dioxolan-2-yl)methylidene]hydrazine Concentration Rank 3

R.T.	EstConc	Area	Relative to ISTD	R.T.	
13.910	2.37 ng	55256	Chrysene-d12	14.051	
Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	N-[(2-Phenyl-1,3-dioxolan-2-yl)m...	193	C10H11NO3	1000411-48-9	78
2	Benzoic acid, 2-(3-nitrophenyl)e...	271	C15H13NO4	1000368-22-4	72
3	Phenyl(2-phenyl-1,3-dioxolan-2-y...	256	C16H16O3	005694-69-9	72
4	Diethylene glycol dibenzoate	314	C18H18O5	000120-55-8	64
5	2-(2-Carboxyvinyl)pyridine, trans	149	C8H7NO2	007340-22-9	53



Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF070825\
Data File : BF143045.D
Acq On : 08 Jul 2025 21:12
Operator : RC/JU
Sample : Q2514-10
Misc :
ALS Vial : 22 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
TP-90

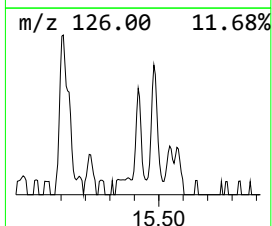
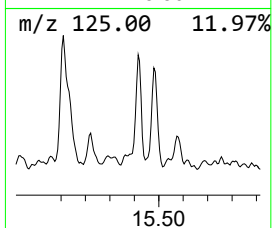
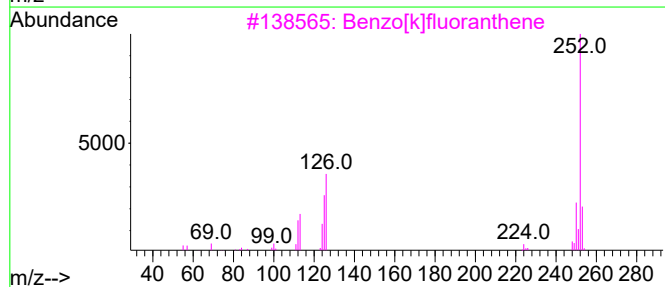
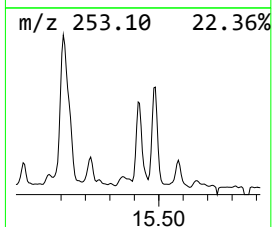
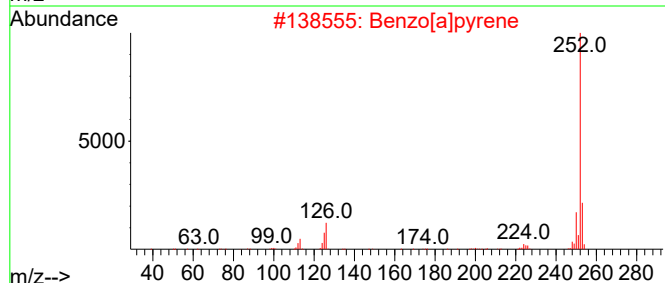
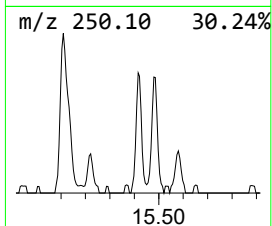
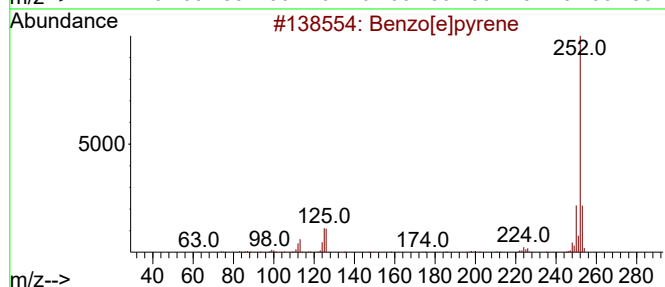
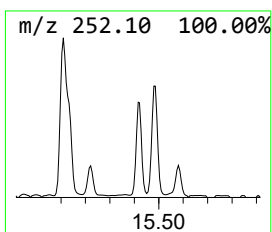
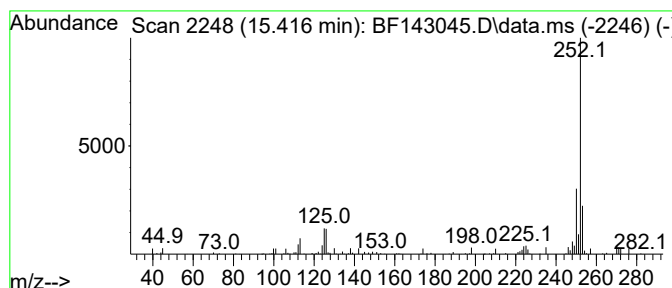
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 4 Benzo[e]pyrene Concentration Rank 4

R.T.	EstConc	Area	Relative to ISTD	R.T.
15.416	2.13 ng	34323	Perylene-d12	15.545

Hit#	of	5	Tentative ID	MW	MolForm	CAS#	Qual
1			Benzo[e]pyrene	252	C20H12	000192-97-2	96
2			Benzo[a]pyrene	252	C20H12	000050-32-8	91
3			Benzo[k]fluoranthene	252	C20H12	000207-08-9	91
4			Benzo[j]fluoranthene	252	C20H12	000205-82-3	90
5			Benzo[b]fluoranthene	252	C20H12	000205-99-2	90



Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF070825\
Data File : BF143045.D
Acq On : 08 Jul 2025 21:12
Operator : RC/JU
Sample : Q2514-10
Misc :
ALS Vial : 22 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
TP-90

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-...	5.075	3.1	ng	44607	1	6.869	284530	20.0
Benzophenone	10.622	3.6	ng	55871	3	9.910	307091	20.0
N-[(2-Phenyl-1,...	13.910	2.4	ng	55256	5	14.051	466466	20.0
Benzo[e]pyrene	15.416	2.1	ng	34323	6	15.545	322879	20.0



CALIBRATION SUMMARY



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.: Q2514Instrument 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



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6C

SEMIVOLATILE ORGANICS INITIAL CALIBRATION DATA

Lab Name: AllianceContract: CAMP02Lab Code: ACESDG No.: Q2514Instrument 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



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6C

SEMIVOLATILE ORGANICS INITIAL CALIBRATION DATA

Lab Name: AllianceContract: CAMP02Lab Code: ACESDG No.: Q2514Instrument 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)

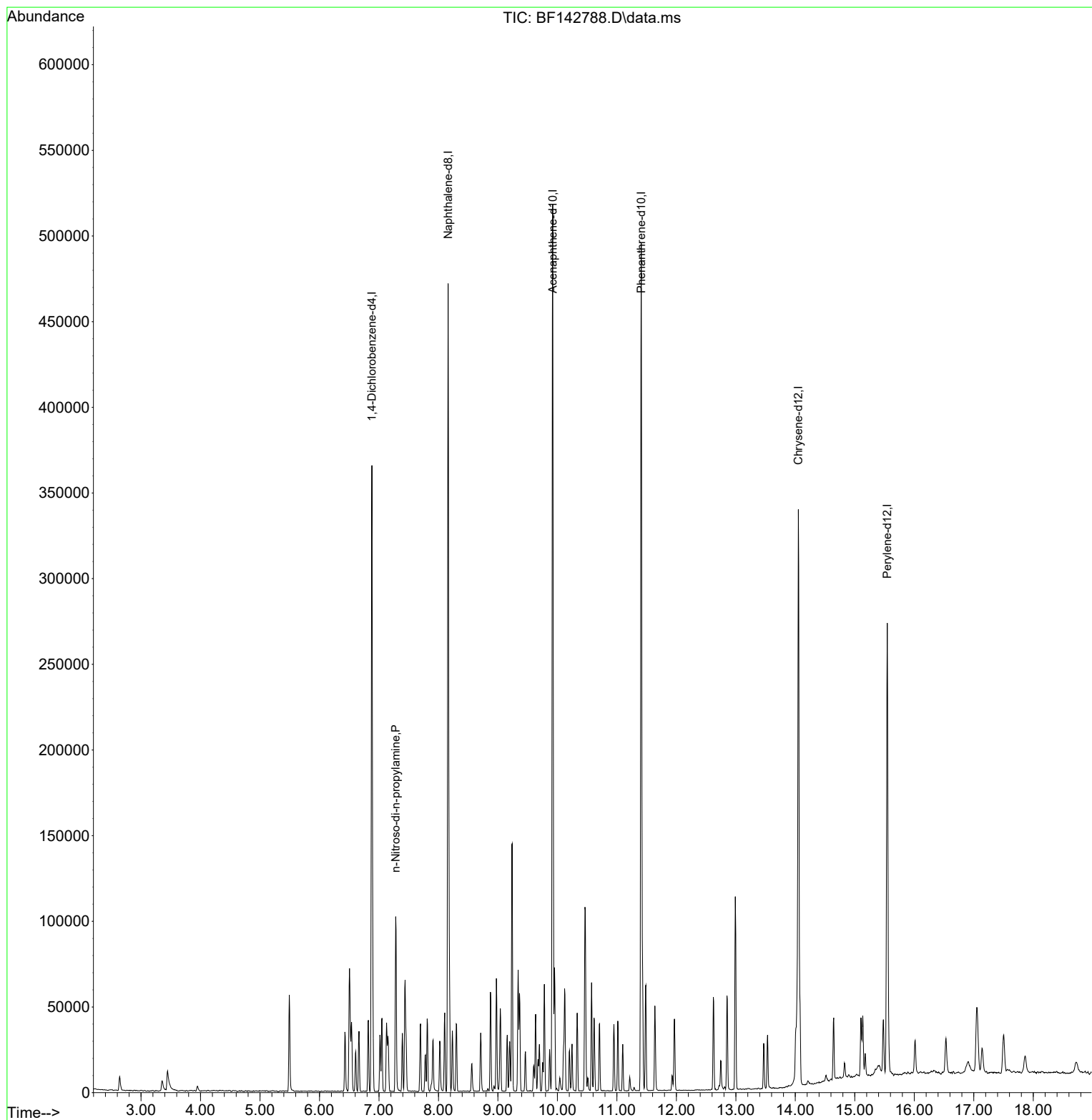
Internal Standards						
1) 1,4-Dichlorobenzene-d4	6.881	152	77977	20.000	ng	0.00
21) Naphthalene-d8	8.163	136	295295	20.000	ng	0.00
39) Acenaphthene-d10	9.922	164	153580	20.000	ng	0.00
64) Phenanthrene-d10	11.410	188	258429	20.000	ng	0.00
76) Chrysene-d12	14.051	240	149767	20.000	ng	0.00
86) Perylene-d12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

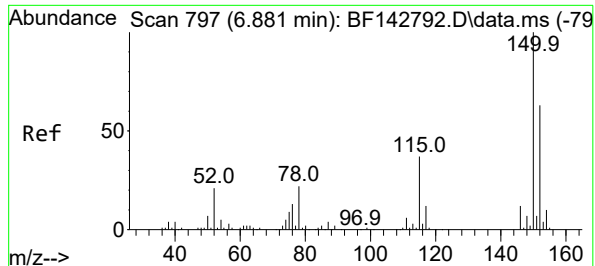
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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

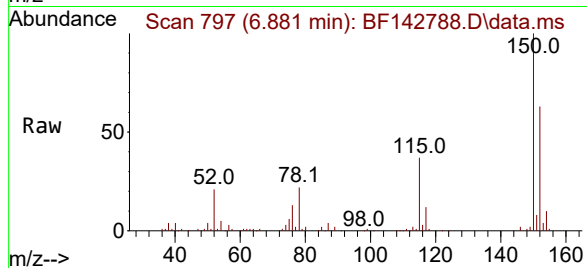
Quant Time: Jun 20 04:37:10 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF061925.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Fri Jun 20 04:36:38 2025
Response via : Initial Calibration



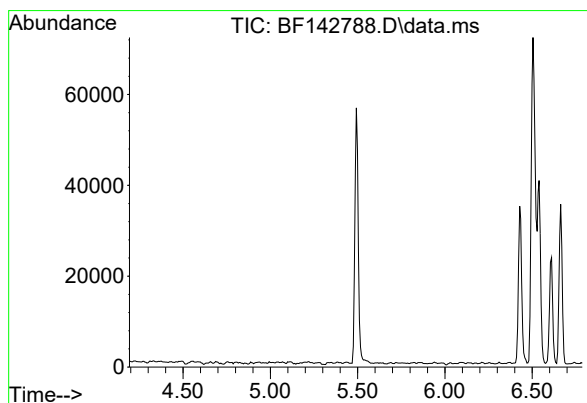
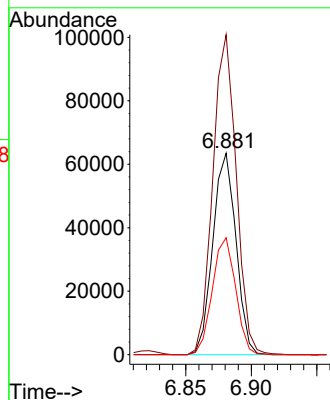
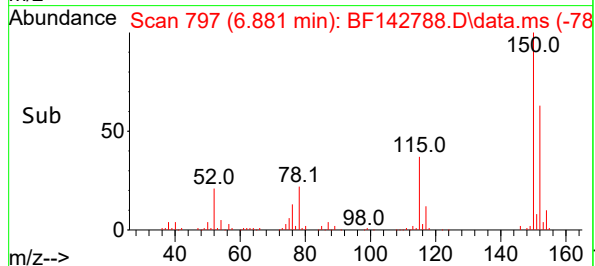


#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.881 min Scan# 79
Delta R.T. -0.000 min
Lab File: BF142788.D
Acq: 19 Jun 2025 17:07

Instrument :
BNA_F
ClientSampleId :
SSTDICC2.5



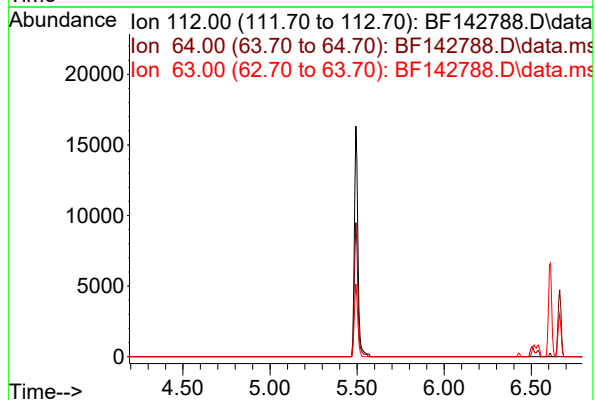
Tgt Ion:152 Resp: 77977
Ion Ratio Lower Upper
152 100
150 158.8 127.2 190.8
115 58.1 46.6 69.8

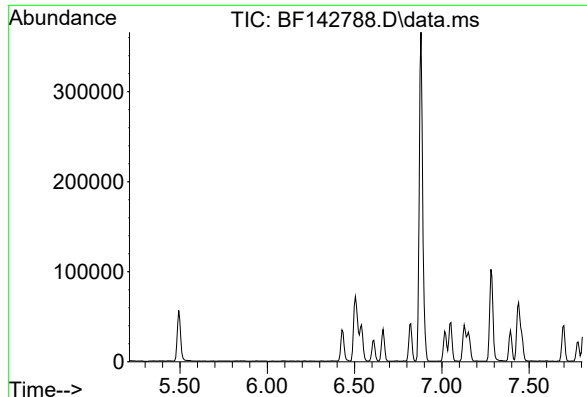


#5
2-Fluorophenol
Concen: 0.000 ng
Expected RT: 5.49 min

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

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





#7

Phenol-d6

Concen: 0.000 ng

Expected RT: 6.51 min

Lab File: BF142788.D

Acq: 19 Jun 2025 17:07

Instrument :

BNA_F

ClientSampleId :

SSTDICC2.5

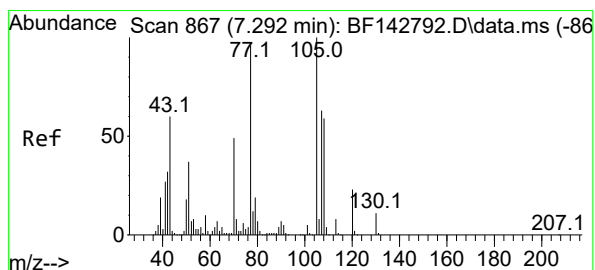
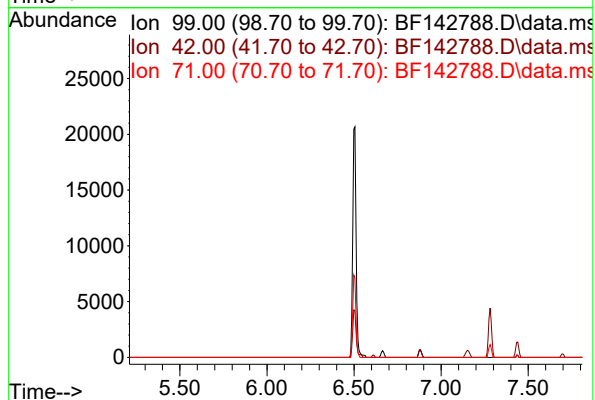
Tgt Ion: 99

Sig Exp Ratio

99 100

42 19.9

71 34.8



#19

n-Nitroso-di-n-propylamine

Concen: 2.392 ng

RT: 7.281 min Scan# 865

Delta R.T. -0.012 min

Lab File: BF142788.D

Acq: 19 Jun 2025 17:07

Tgt Ion: 70 Resp: 8100

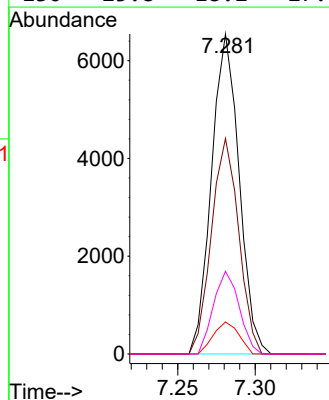
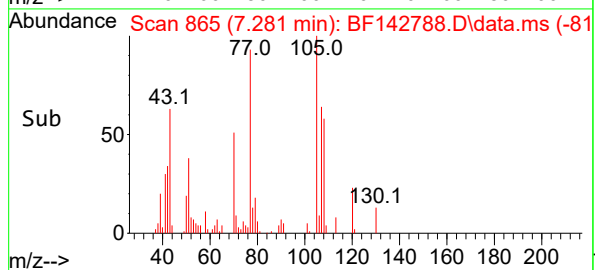
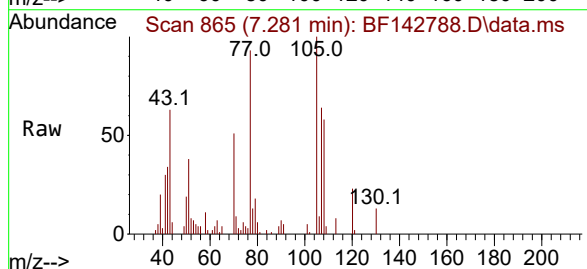
Ion Ratio Lower Upper

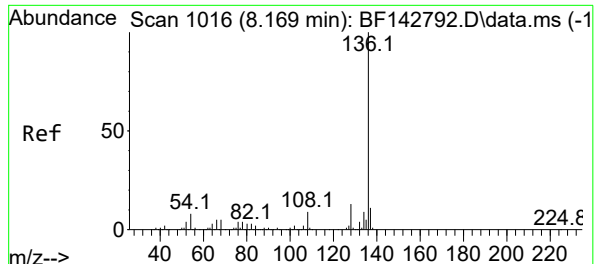
70 100

42 67.3 52.1 78.1

101 10.0 8.2 12.2

130 25.8 18.2 27.2





#21

Naphthalene-d8

Concen: 20.000 ng

RT: 8.163 min Scan# 1

Delta R.T. -0.006 min

Lab File: BF142788.D

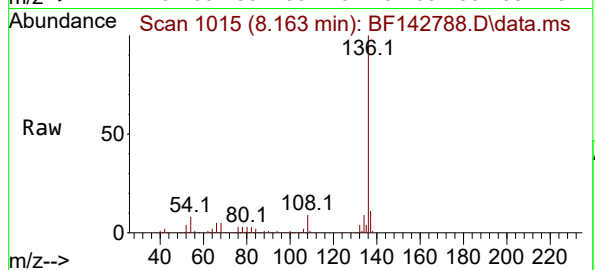
Acq: 19 Jun 2025 17:07

Instrument :

BNA_F

ClientSampleId :

SSTDICC2.5



Tgt Ion:136 Resp: 295295

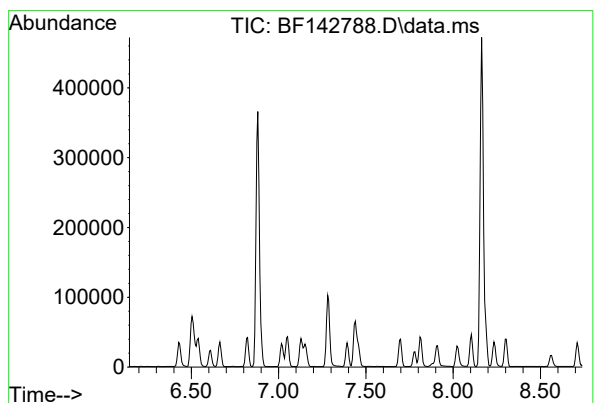
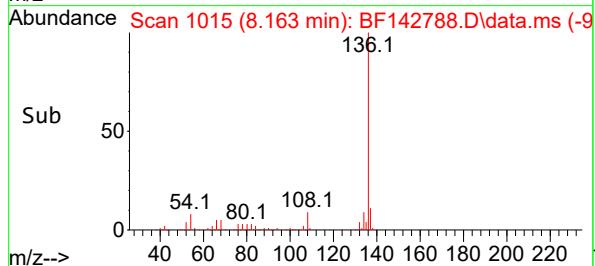
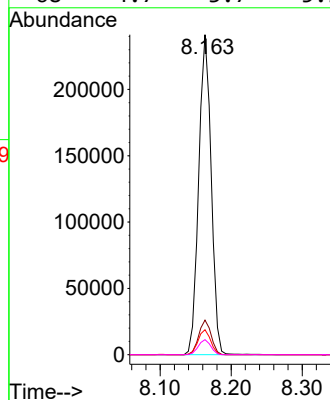
Ion Ratio Lower Upper

136 100

137 10.8 8.4 12.6

54 7.8 6.3 9.5

68 4.7 3.7 5.5



#23

Nitrobenzene-d5

Concen: 0.000 ng

Expected RT: 7.45 min

Lab File: BF142788.D

Acq: 19 Jun 2025 17:07

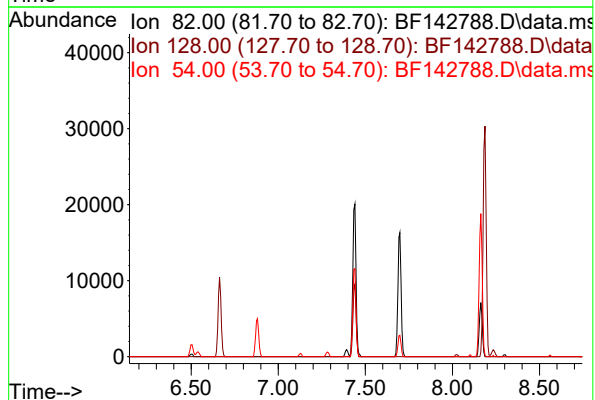
Tgt Ion: 82

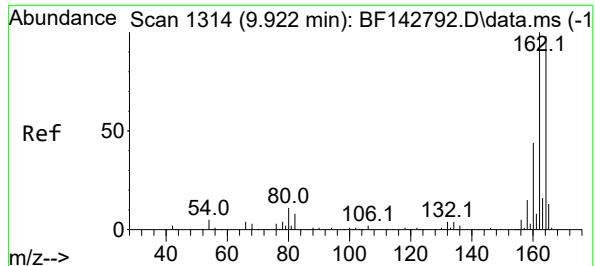
Sig Exp Ratio

82 100

128 47.1

54 57.1





#39

Acenaphthene-d10

Concen: 20.000 ng

RT: 9.922 min Scan# 1

Delta R.T. 0.000 min

Lab File: BF142788.D

Acq: 19 Jun 2025 17:07

Instrument :

BNA_F

ClientSampleId :

SSTDICC2.5

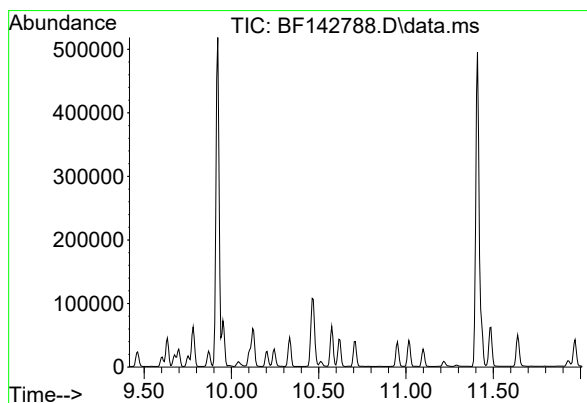
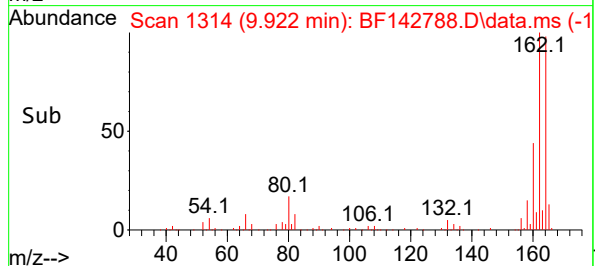
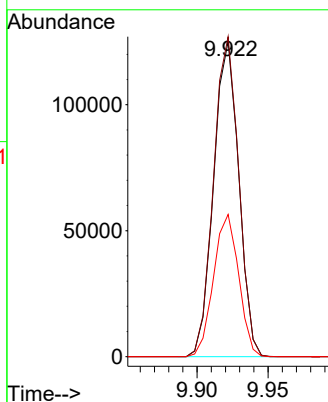
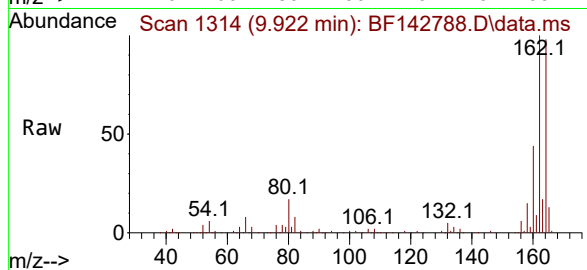
Tgt Ion:164 Resp: 153580

Ion Ratio Lower Upper

164 100

162 101.6 81.8 122.8

160 45.1 36.0 54.0



#42

2,4,6-Tribromophenol

Concen: 0.000 ng

Expected RT: 10.72 min

Lab File: BF142788.D

Acq: 19 Jun 2025 17:07

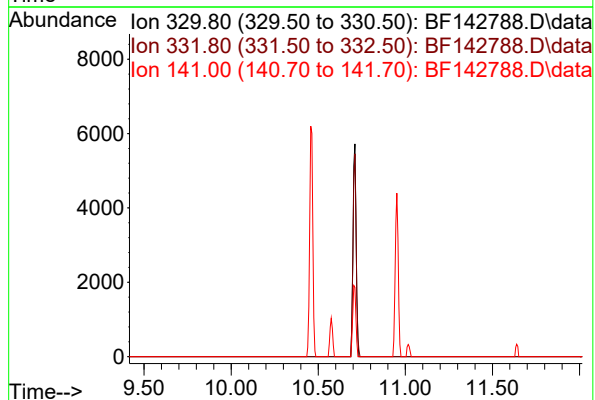
Tgt Ion: 330

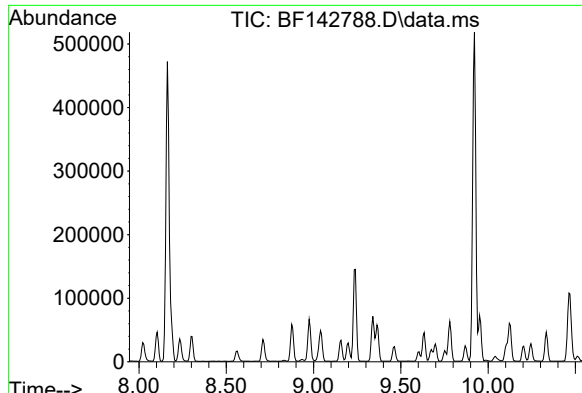
Sig Exp Ratio

330 100

332 93.8

141 31.6





#45

2-Fluorobiphenyl

Concen: 0.000 ng

Expected RT: 9.25 min

Lab File: BF142788.D

Acq: 19 Jun 2025 17:07

Instrument :

BNA_F

ClientSampleId :

SSTDICC2.5

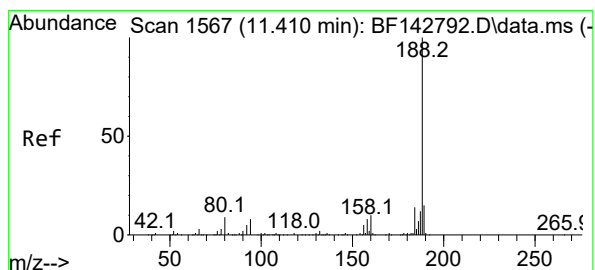
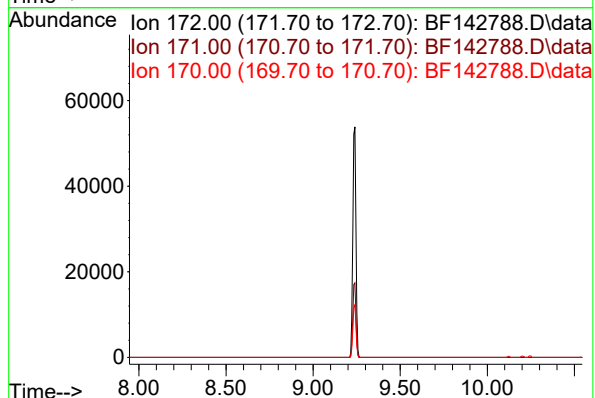
Tgt Ion: 172

Sig Exp Ratio

172 100

171 35.3

170 23.1



#64

Phenanthrene-d10

Concen: 20.000 ng

RT: 11.410 min Scan# 1567

Delta R.T. 0.000 min

Lab File: BF142788.D

Acq: 19 Jun 2025 17:07

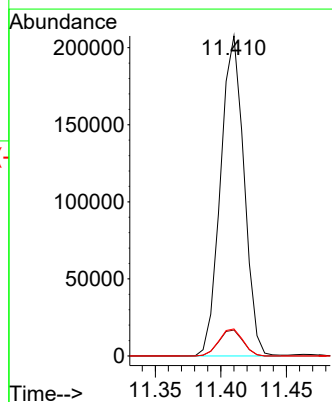
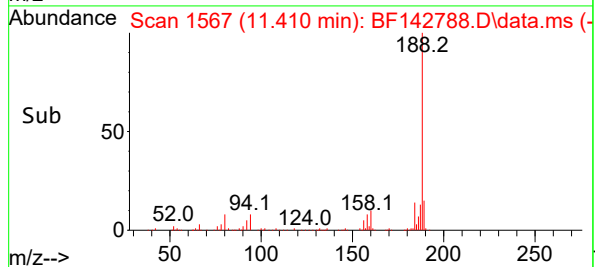
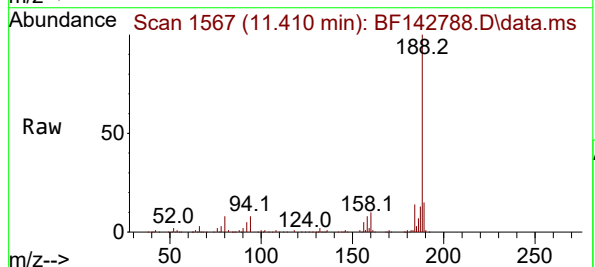
Tgt Ion:188 Resp: 258429

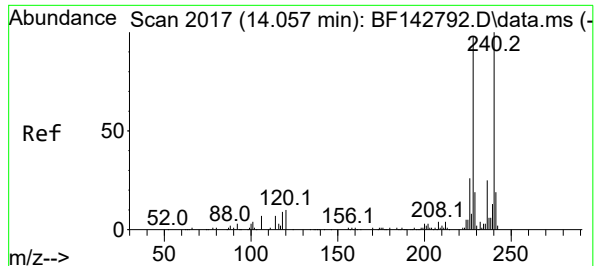
Ion Ratio Lower Upper

188 100

94 8.1 6.7 10.1

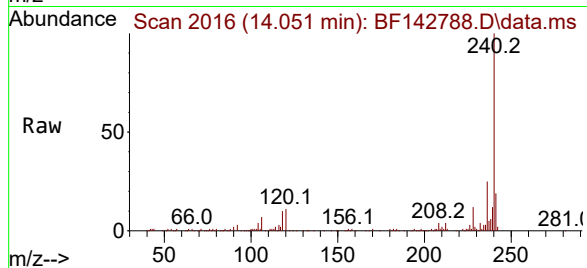
80 8.5 6.9 10.3



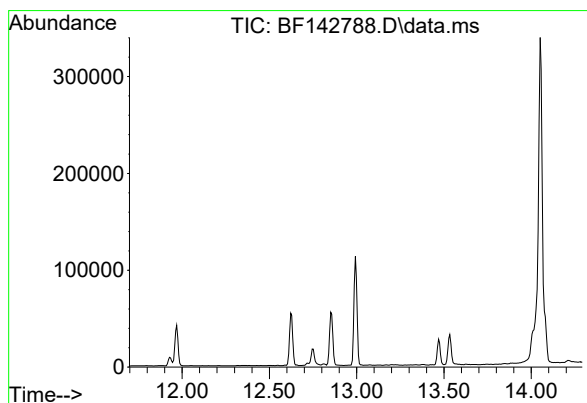
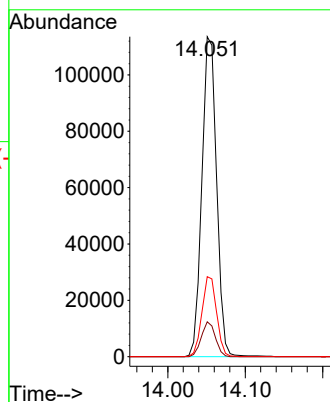
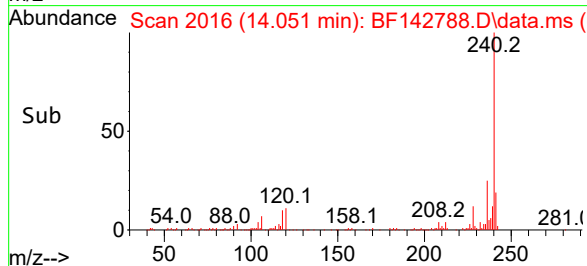


#76
Chrysene-d12
Concen: 20.000 ng
RT: 14.051 min Scan# 20
Delta R.T. -0.006 min
Lab File: BF142788.D
Acq: 19 Jun 2025 17:07

Instrument :
BNA_F
ClientSampleId :
SSTDICC2.5



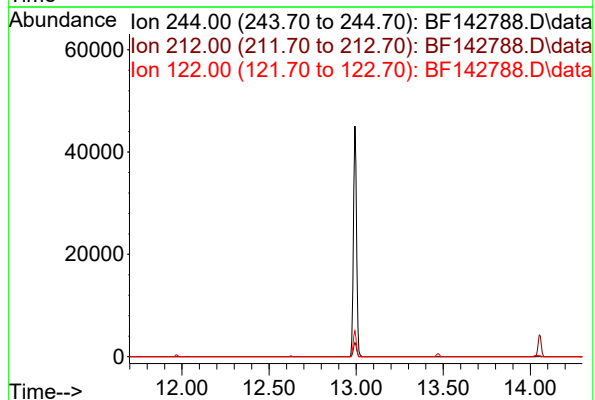
Tgt Ion:240 Resp: 149767
Ion Ratio Lower Upper
240 100
120 10.9 8.2 12.2
236 25.0 19.8 29.8



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

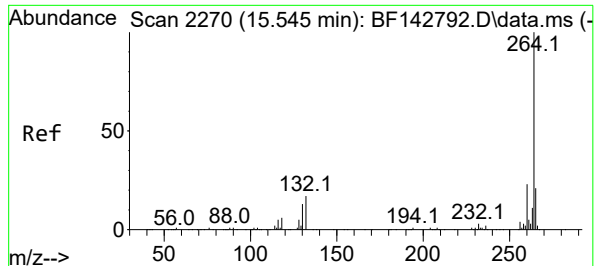
Lab File: BF142788.D
Acq: 19 Jun 2025 17:07

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



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

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



#86

Perylene-d12

Concen: 20.000 ng

RT: 15.545 min Scan# 21

Delta R.T. 0.000 min

Lab File: BF142788.D

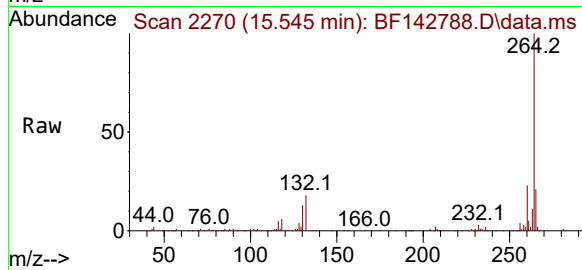
Acq: 19 Jun 2025 17:07

Instrument :

BNA_F

ClientSampleId :

SSTDICC2.5



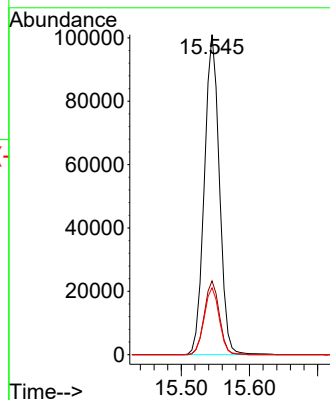
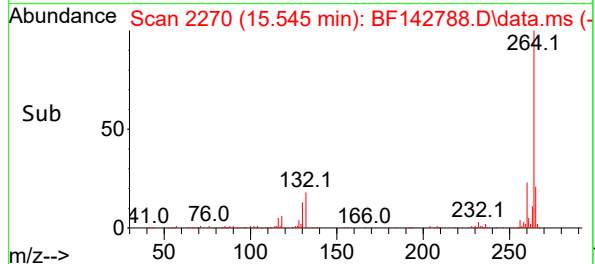
Tgt Ion:264 Resp: 154736

Ion Ratio Lower Upper

264 100

260 23.1 18.1 27.1

265 20.9 16.6 25.0



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

Instrument :
 BNA_F
 ClientSampleId :
 SSTDICC005

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

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

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

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

Instrument :
 BNA_F
 ClientSampleId :
 SSTDICC005

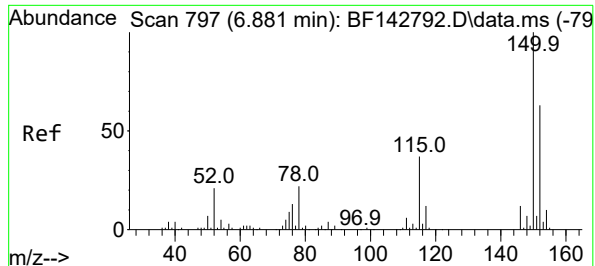
Quant Time: Jun 20 04:37:53 2025
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF061925.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Fri Jun 20 04:36:38 2025
 Response via : Initial Calibration

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

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

Instrument :
BNA_F
ClientSampleId :
SSTDICC005

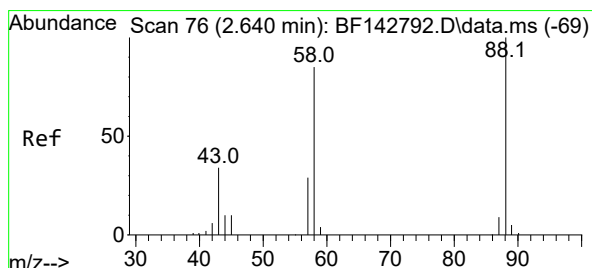
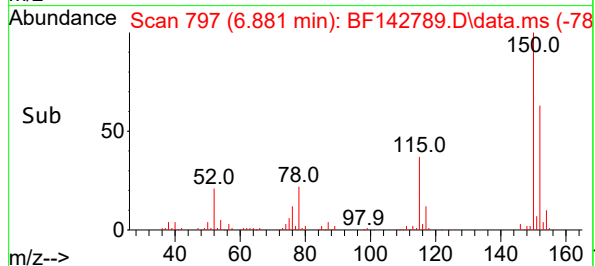
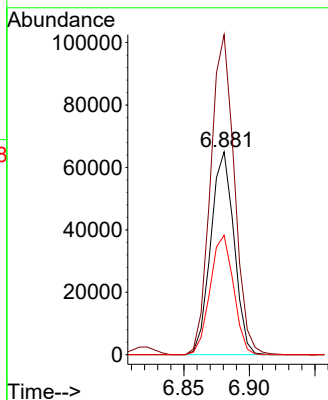
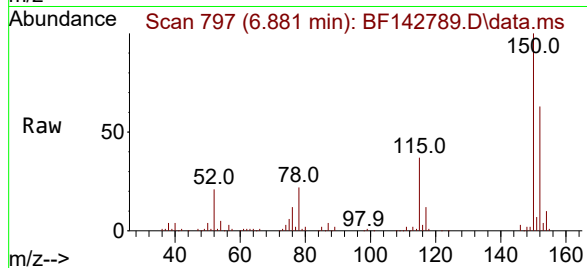
[illegible]



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

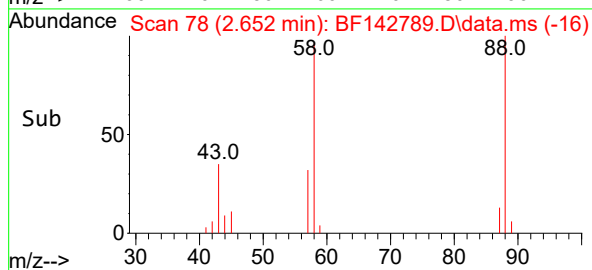
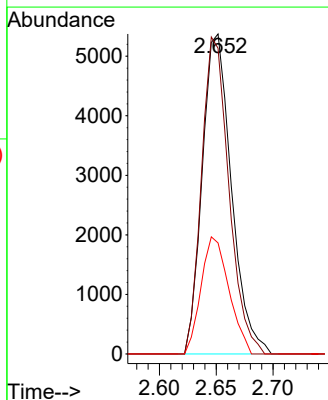
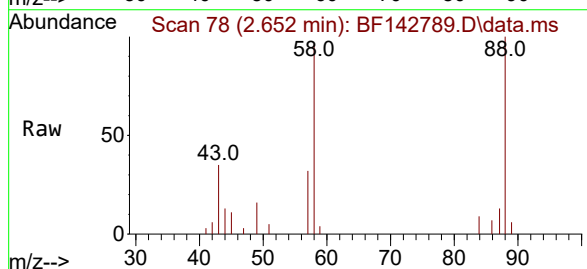
Instrument :
BNA_F
ClientSampleId :
SSTDICC005

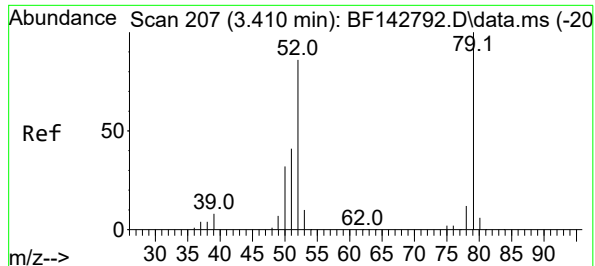
Tgt Ion:152 Resp: 80144
Ion Ratio Lower Upper
152 100
150 157.7 127.2 190.8
115 58.8 46.6 69.8



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

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





#3

Pyridine

Concen: 5.102 ng

RT: 3.434 min Scan# 211

Delta R.T. 0.024 min

Lab File: BF142789.D

Acq: 19 Jun 2025 17:38

Instrument :

BNA_F

ClientSampleId :

SSTDICC005

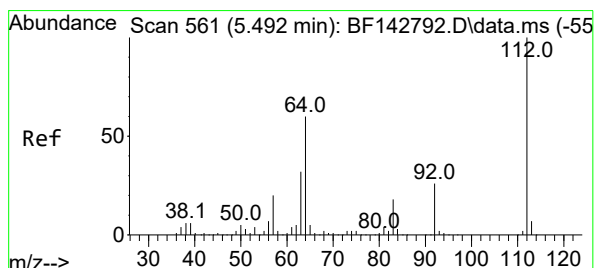
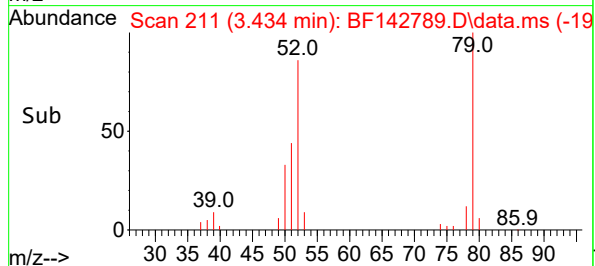
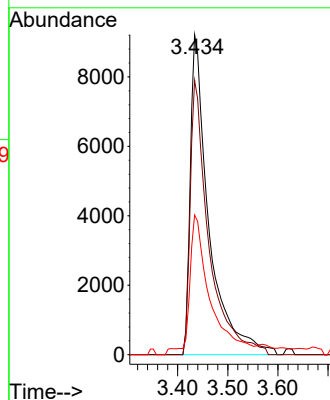
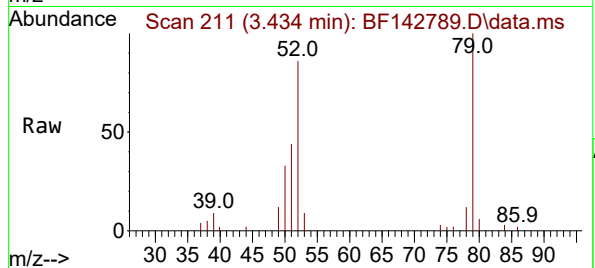
Tgt Ion: 79 Resp: 23835

Ion Ratio Lower Upper

79 100

52 85.8 69.2 103.8

51 43.7 33.2 49.8



#5

2-Fluorophenol

Concen: 10.555 ng

RT: 5.493 min Scan# 561

Delta R.T. 0.000 min

Lab File: BF142789.D

Acq: 19 Jun 2025 17:38

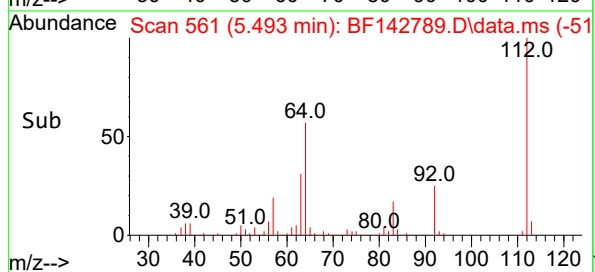
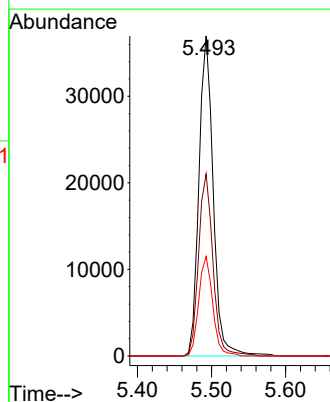
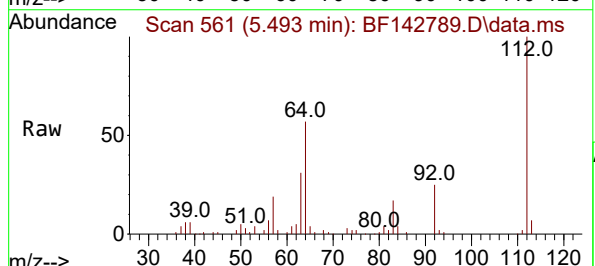
Tgt Ion: 112 Resp: 49599

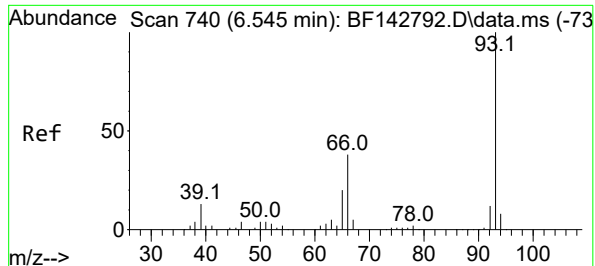
Ion Ratio Lower Upper

112 100

64 56.9 48.2 72.2

63 31.1 25.7 38.5

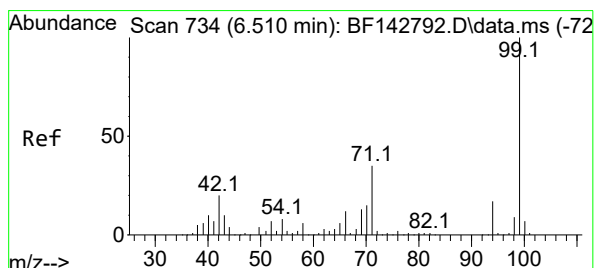
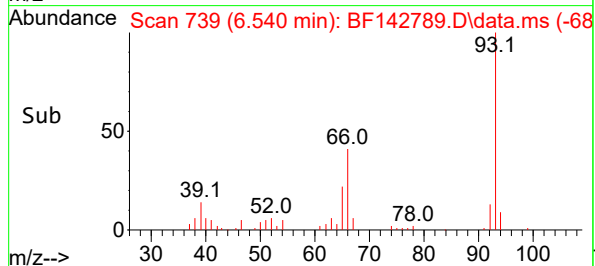
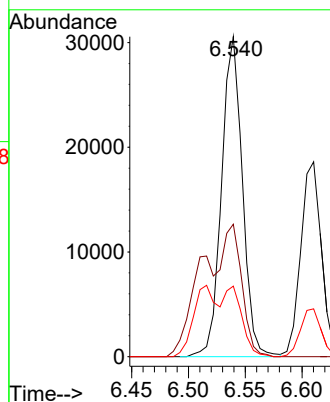
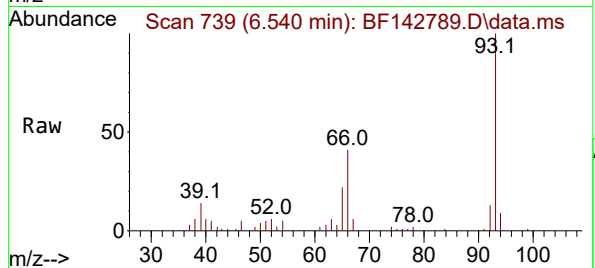




#6
Aniline
Concen: 5.286 ng
RT: 6.540 min Scan# 71
Delta R.T. -0.006 min
Lab File: BF142789.D
Acq: 19 Jun 2025 17:38

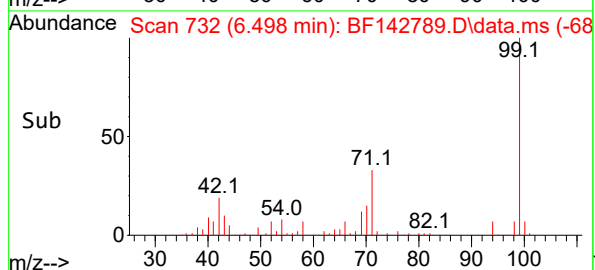
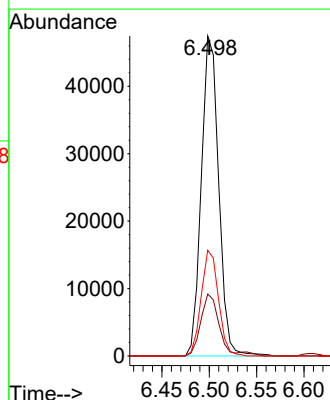
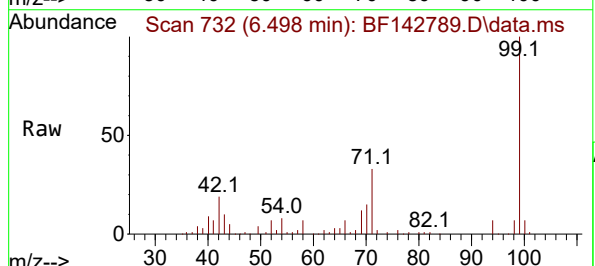
Instrument :
BNA_F
ClientSampleId :
SSTDICC005

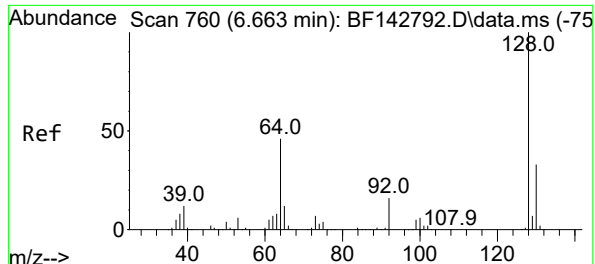
Tgt Ion: 93 Resp: 39088
Ion Ratio Lower Upper
93 100
66 41.4 31.8 47.6
65 22.0 16.2 24.2



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

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

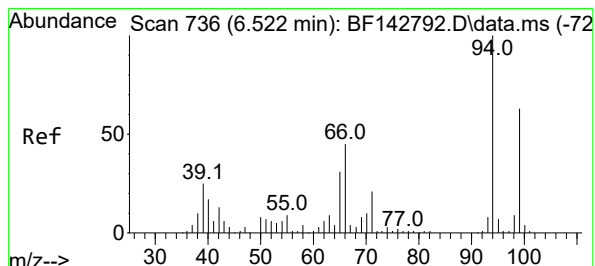
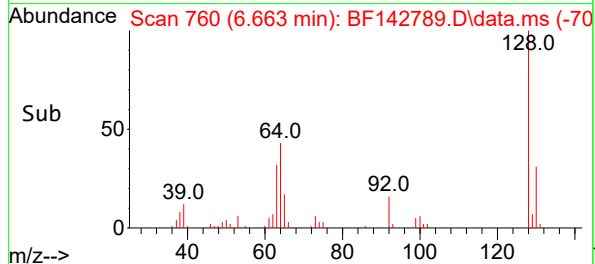
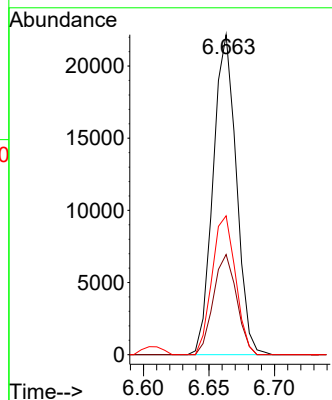
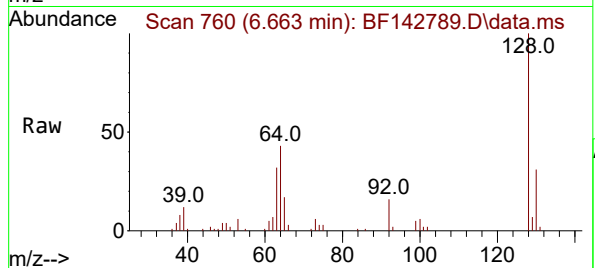




#8
2-Chlorophenol
Concen: 5.332 ng
RT: 6.663 min Scan# 760
Delta R.T. 0.000 min
Lab File: BF142789.D
Acq: 19 Jun 2025 17:38

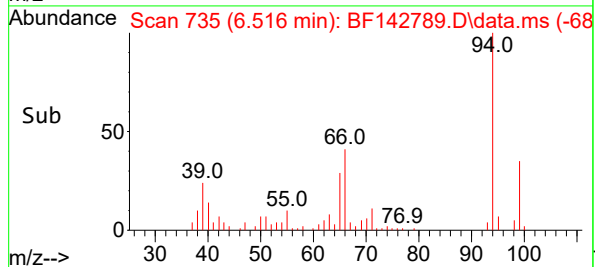
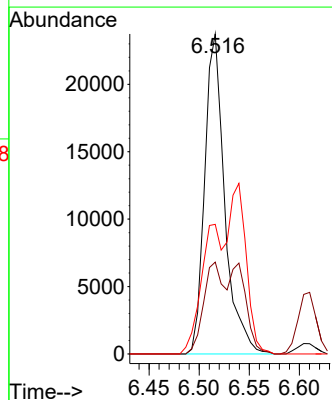
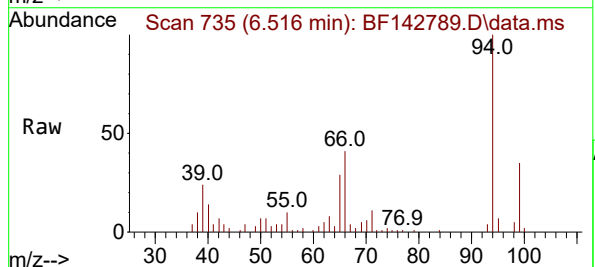
Instrument :
BNA_F
ClientSampleId :
SSTDICC005

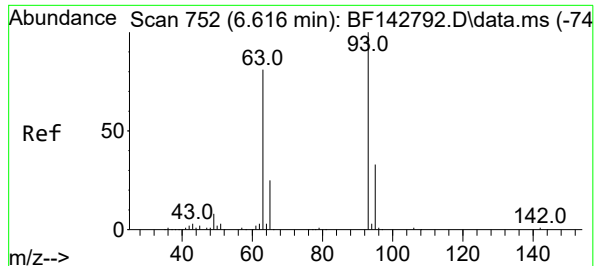
Tgt Ion:128 Resp: 27282
Ion Ratio Lower Upper
128 100
130 31.3 12.7 52.7
64 43.4 26.5 66.5



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

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

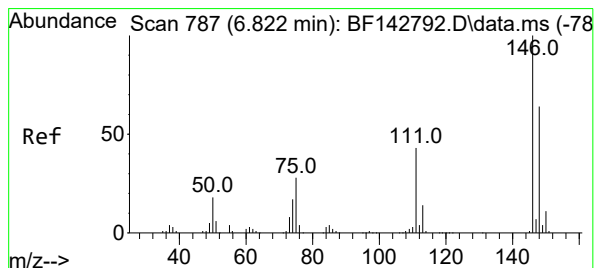
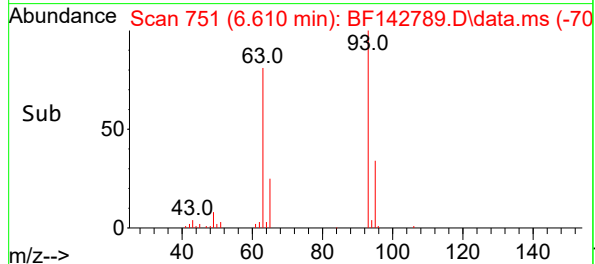
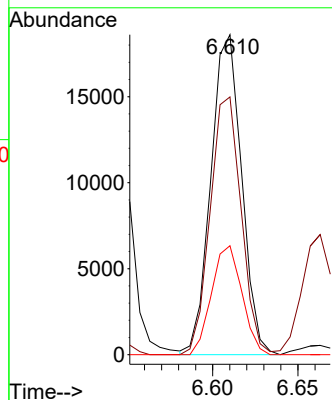
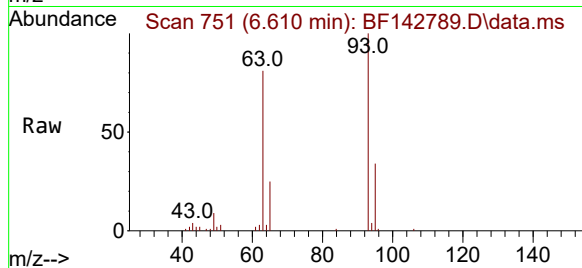




#11
bis(2-Chloroethyl)ether
Concen: 5.122 ng
RT: 6.610 min Scan# 751
Delta R.T. -0.006 min
Lab File: BF142789.D
Acq: 19 Jun 2025 17:38

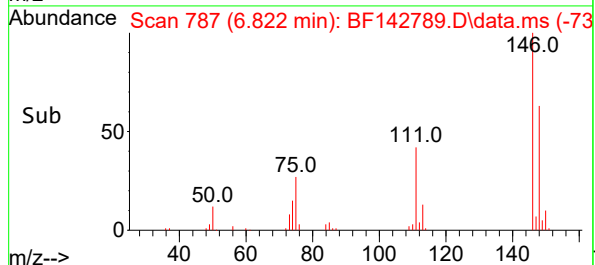
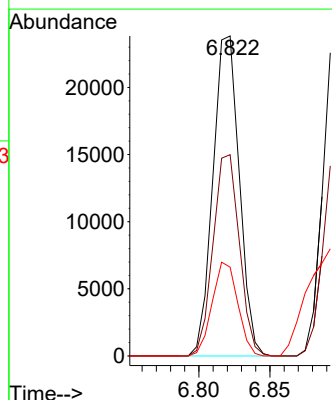
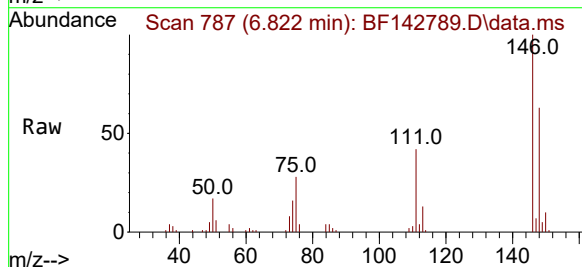
Instrument :
BNA_F
ClientSampleId :
SSTDICC005

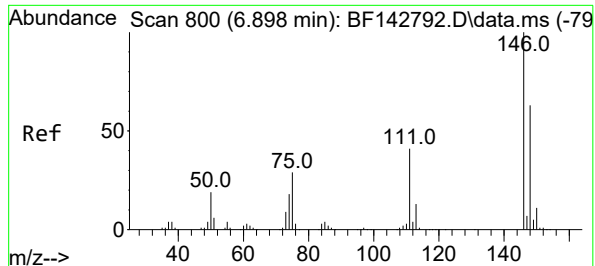
Tgt Ion:	93	Resp:	23378
Ion	Ratio	Lower	Upper
93	100		
63	80.6	60.3	100.3
95	34.1	12.5	52.5



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

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





#13

1,4-Dichlorobenzene

Concen: 5.302 ng

RT: 6.898 min Scan# 800

Delta R.T. 0.000 min

Lab File: BF142789.D

Acq: 19 Jun 2025 17:38

Instrument :

BNA_F

ClientSampleId :

SSTDIC005

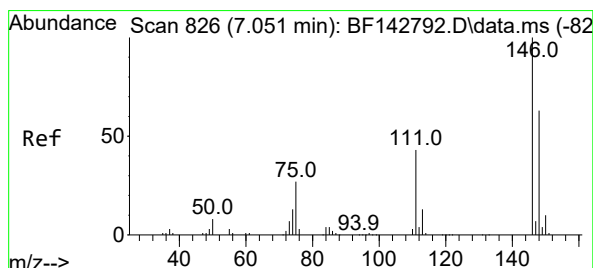
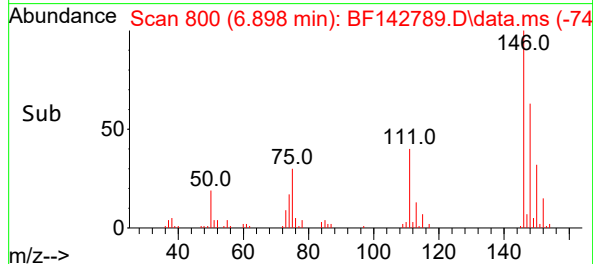
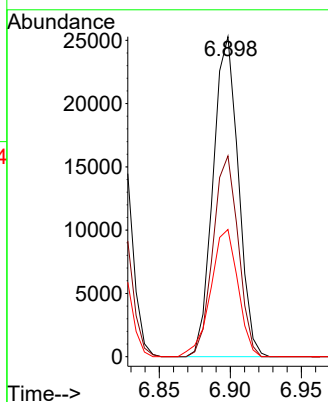
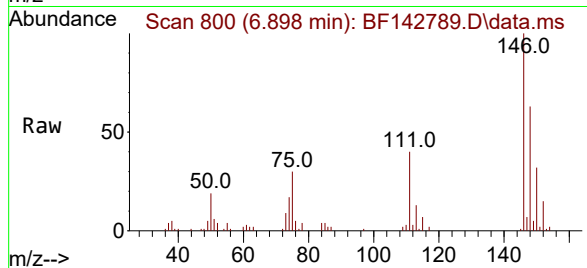
Tgt Ion:146 Resp: 31311

Ion Ratio Lower Upper

146 100

148 62.8 50.2 75.2

111 39.8 33.2 49.8



#14

1,2-Dichlorobenzene

Concen: 5.175 ng

RT: 7.051 min Scan# 826

Delta R.T. 0.000 min

Lab File: BF142789.D

Acq: 19 Jun 2025 17:38

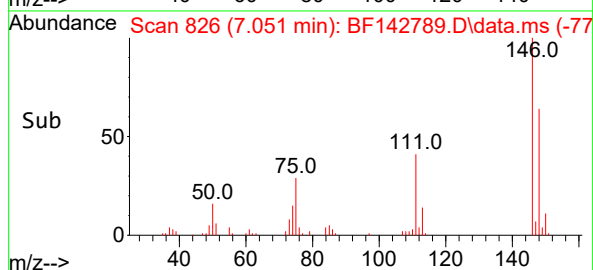
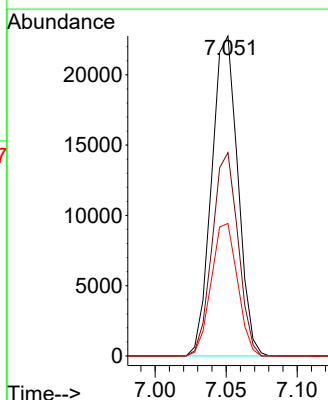
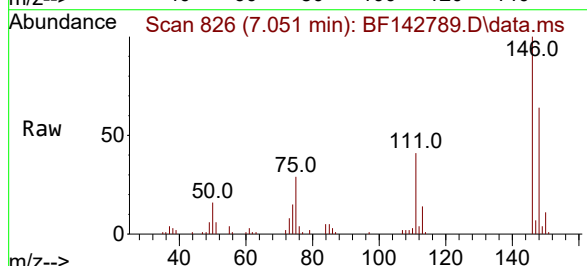
Tgt Ion:146 Resp: 29215

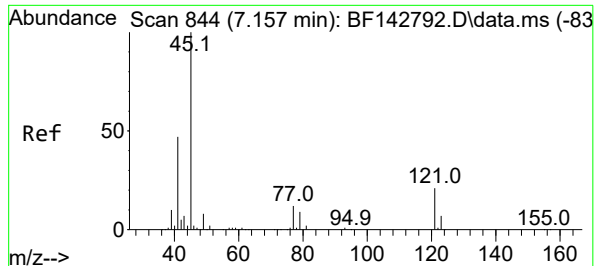
Ion Ratio Lower Upper

146 100

148 63.5 50.4 75.6

111 41.4 34.1 51.1





#16

2,2'-oxybis(1-Chloropropane)

Concen: 5.503 ng

RT: 7.151 min Scan# 84

Delta R.T. -0.006 min

Lab File: BF142789.D

Acq: 19 Jun 2025 17:38

Instrument :

BNA_F

ClientSampleId :

SSTDICC005

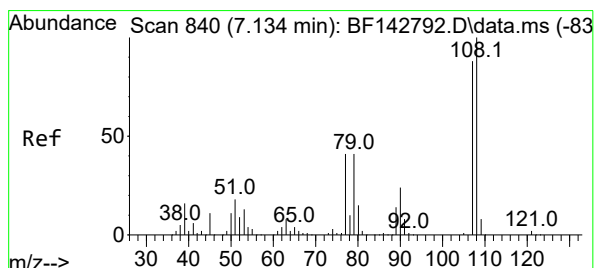
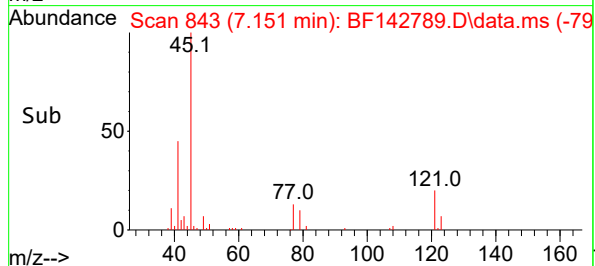
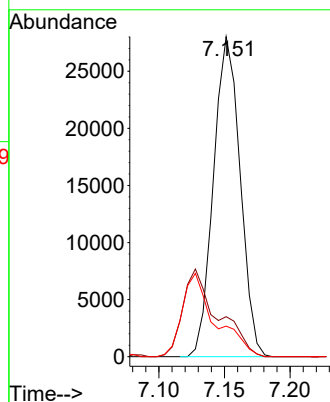
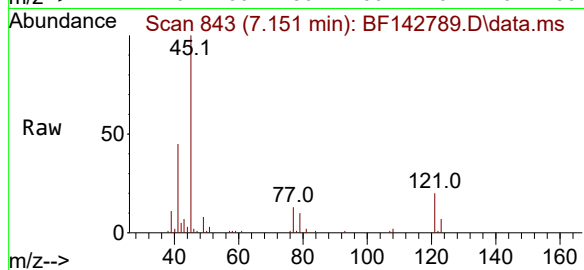
Tgt Ion: 45 Resp: 39577

Ion Ratio Lower Upper

45 100

77 12.5 0.0 32.8

79 9.5 0.0 29.8



#17

2-Methylphenol

Concen: 5.199 ng

RT: 7.128 min Scan# 839

Delta R.T. -0.006 min

Lab File: BF142789.D

Acq: 19 Jun 2025 17:38

Tgt Ion:107 Resp: 20336

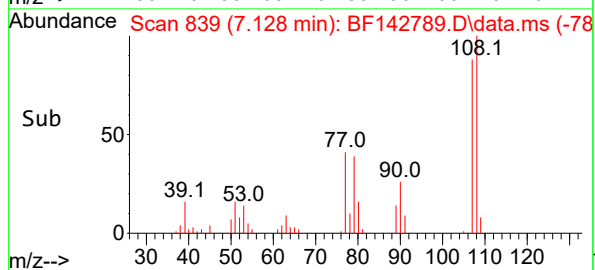
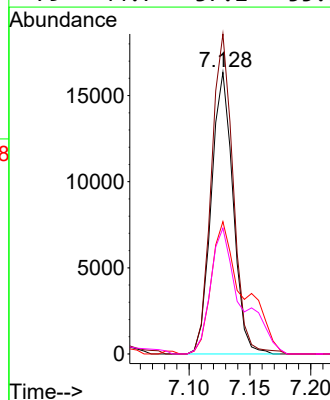
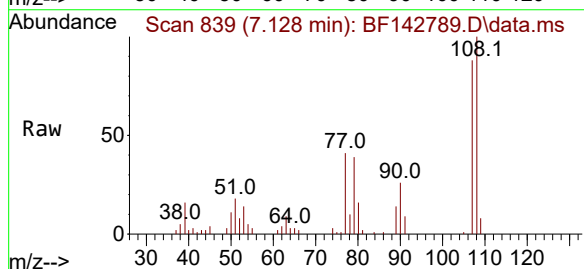
Ion Ratio Lower Upper

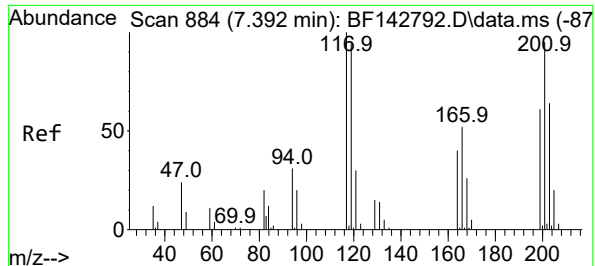
107 100

108 113.6 90.9 136.3

77 47.0 37.3 55.9

79 44.7 37.2 55.8

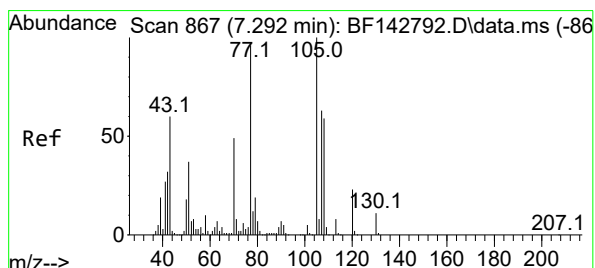
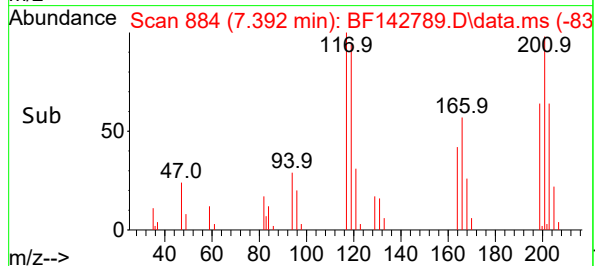
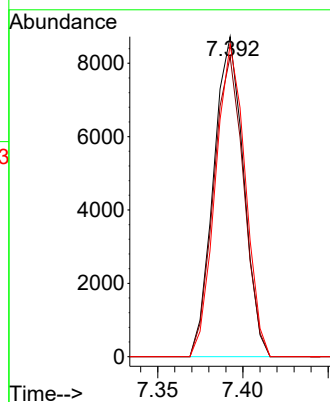
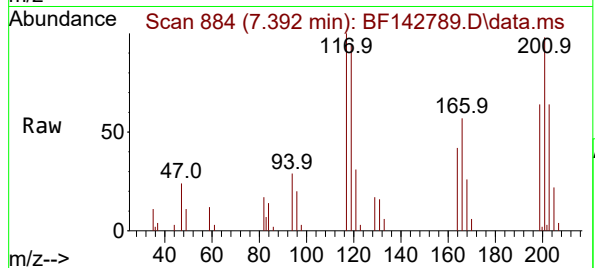




#18
Hexachloroethane
Concen: 5.054 ng
RT: 7.392 min Scan# 884
Delta R.T. 0.000 min
Lab File: BF142789.D
Acq: 19 Jun 2025 17:38

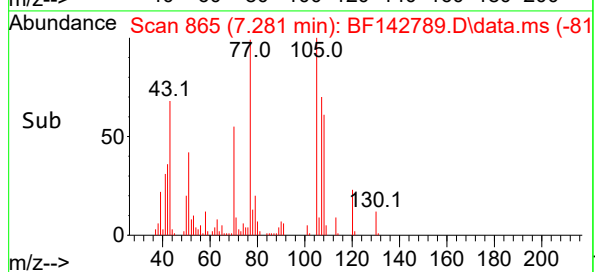
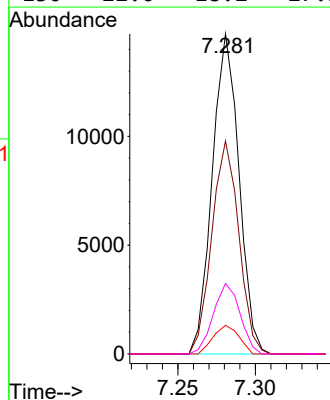
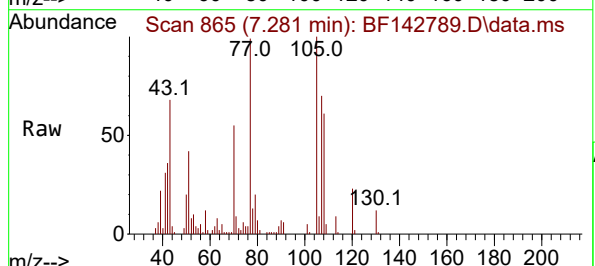
Instrument :
BNA_F
ClientSampleId :
SSTDICC005

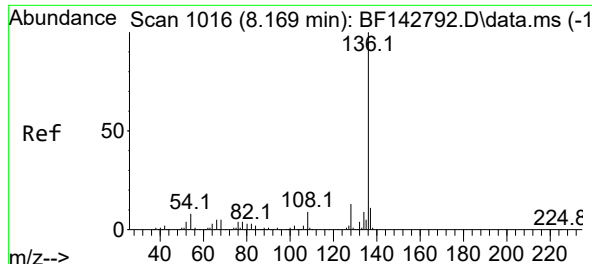
Tgt Ion:117 Resp: 10670
Ion Ratio Lower Upper
117 100
119 93.8 75.4 113.0
201 97.7 75.9 113.9



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

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





#21

Naphthalene-d8

Concen: 20.000 ng

RT: 8.163 min Scan# 1015

Delta R.T. -0.006 min

Lab File: BF142789.D

Acq: 19 Jun 2025 17:38

Instrument :

BNA_F

ClientSampleId :

SSTDICC005

Tgt Ion:136 Resp: 305306

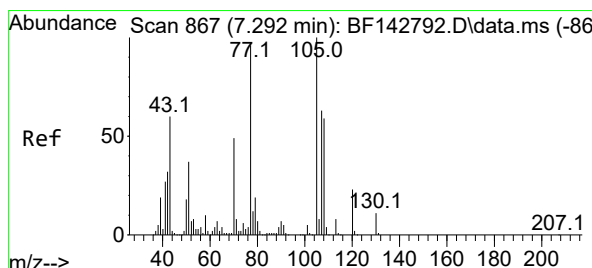
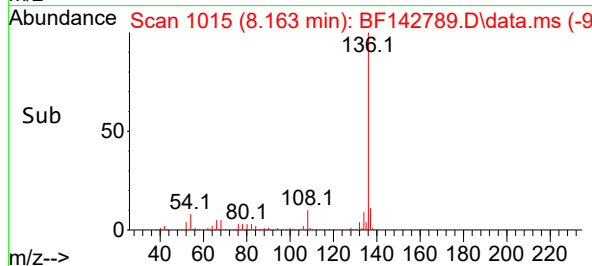
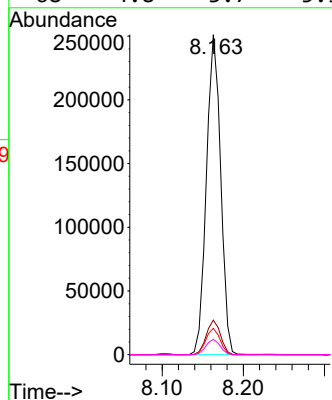
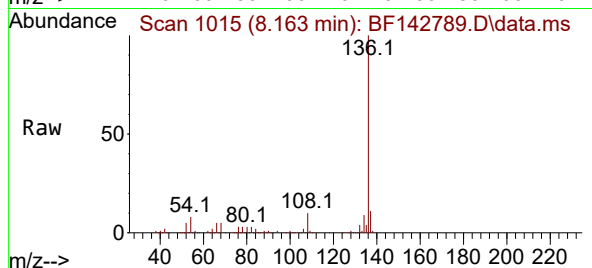
Ion Ratio Lower Upper

136 100

137 10.8 8.4 12.6

54 8.3 6.3 9.5

68 4.8 3.7 5.5



#22

Acetophenone

Concen: 5.240 ng

RT: 7.281 min Scan# 865

Delta R.T. -0.012 min

Lab File: BF142789.D

Acq: 19 Jun 2025 17:38

Tgt Ion:105 Resp: 35396

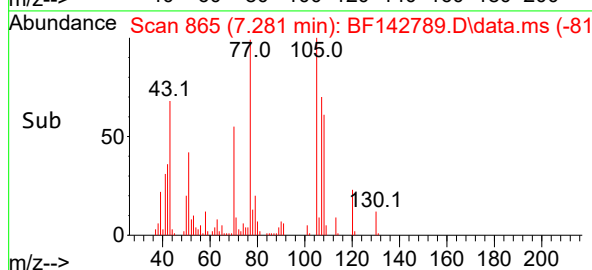
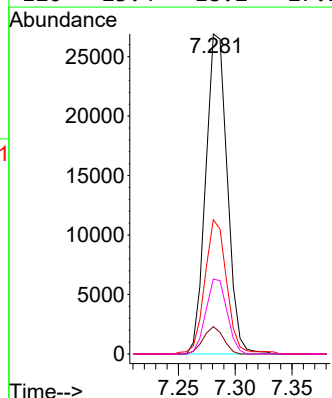
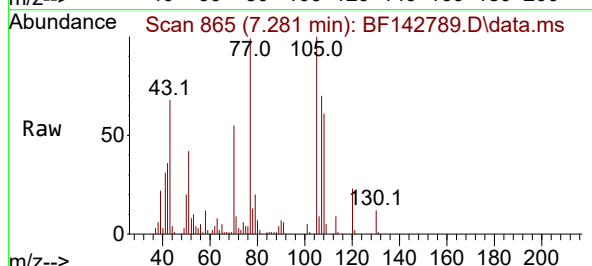
Ion Ratio Lower Upper

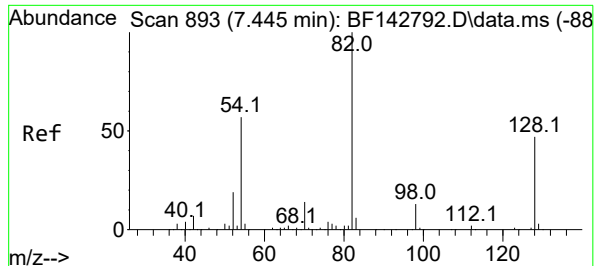
105 100

71 8.5 6.5 9.7

51 41.9 29.8 44.8

120 23.4 18.2 27.2





#23

Nitrobenzene-d5

Concen: 10.106 ng

RT: 7.439 min Scan# 891

Delta R.T. -0.006 min

Lab File: BF142789.D

Acq: 19 Jun 2025 17:38

Instrument :

BNA_F

ClientSampleId :

SSTDICC005

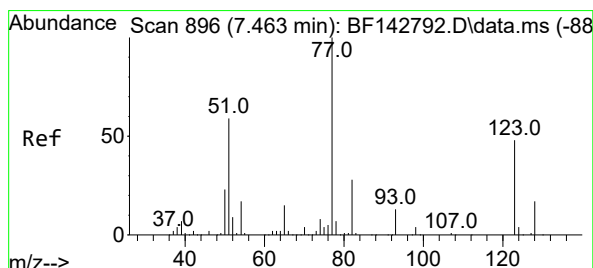
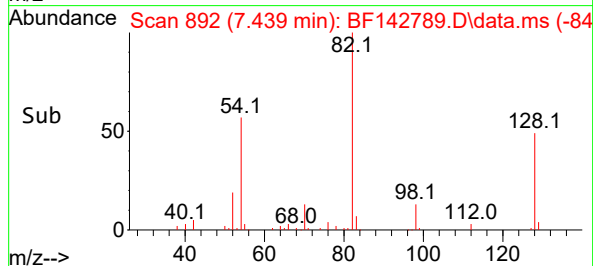
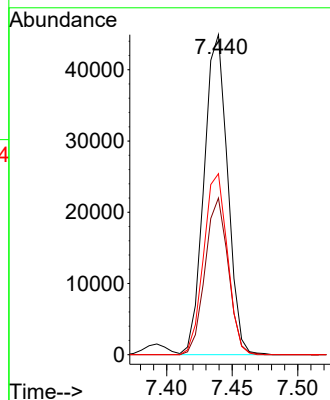
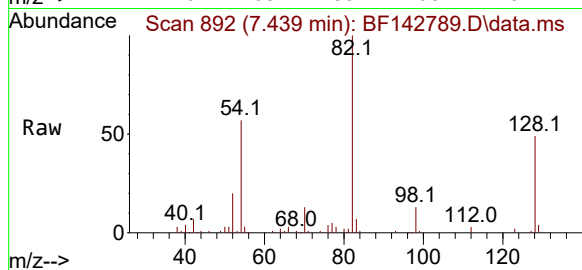
Tgt Ion: 82 Resp: 56291

Ion Ratio Lower Upper

82 100

128 48.9 37.7 56.5

54 56.6 45.7 68.5



#24

Nitrobenzene

Concen: 5.324 ng

RT: 7.457 min Scan# 895

Delta R.T. -0.006 min

Lab File: BF142789.D

Acq: 19 Jun 2025 17:38

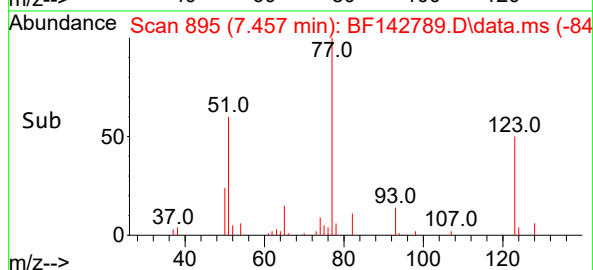
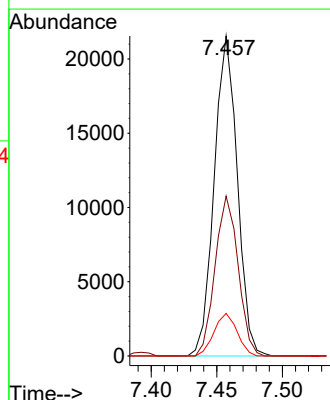
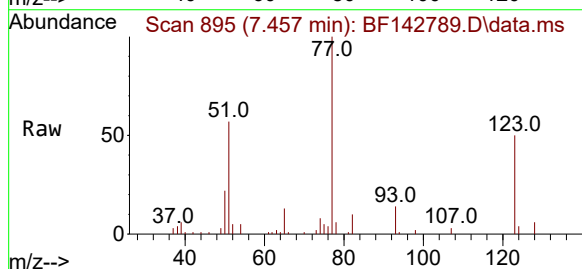
Tgt Ion: 77 Resp: 26353

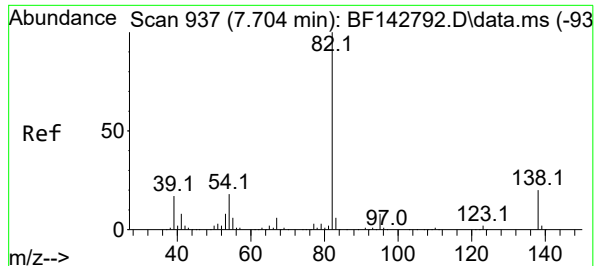
Ion Ratio Lower Upper

77 100

123 49.9 39.2 58.8

65 13.3 11.6 17.4

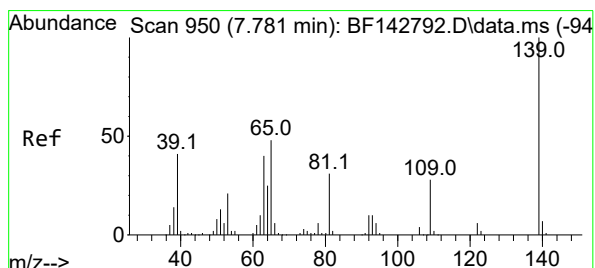
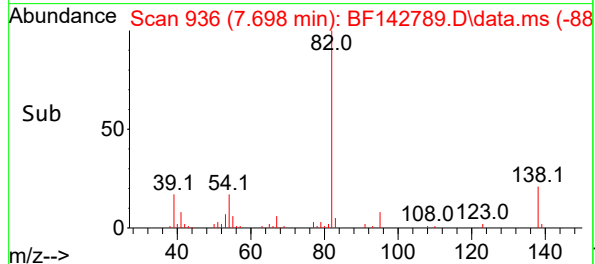
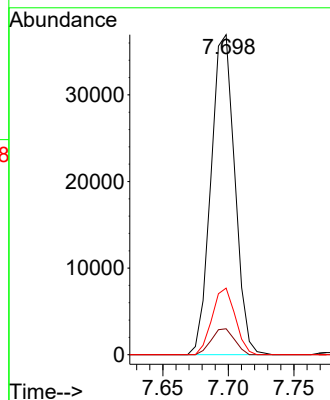
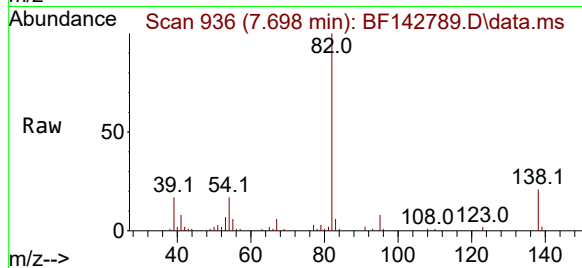




#25
Isophorone
Concen: 4.997 ng
RT: 7.698 min Scan# 91
Delta R.T. -0.006 min
Lab File: BF142789.D
Acq: 19 Jun 2025 17:38

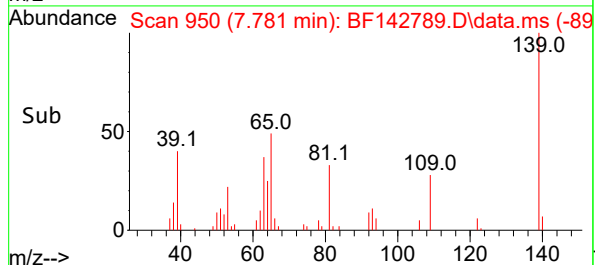
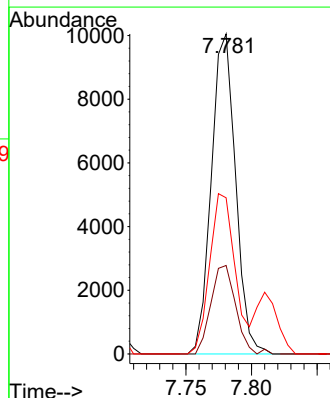
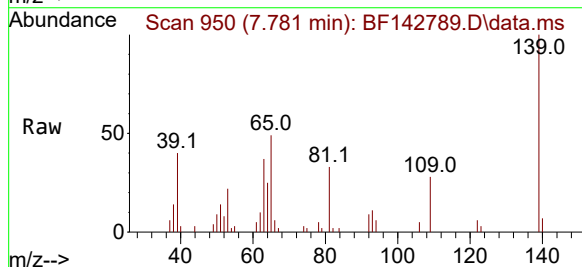
Instrument :
BNA_F
ClientSampleId :
SSTDICC005

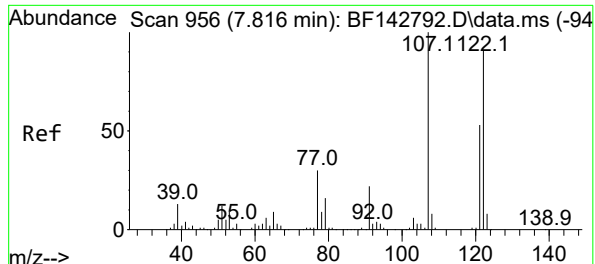
Tgt Ion: 82 Resp: 46673
Ion Ratio Lower Upper
82 100
95 8.1 6.2 9.2
138 20.8 16.2 24.4



#26
2-Nitrophenol
Concen: 4.682 ng
RT: 7.781 min Scan# 950
Delta R.T. 0.000 min
Lab File: BF142789.D
Acq: 19 Jun 2025 17:38

Tgt Ion: 139 Resp: 12914
Ion Ratio Lower Upper
139 100
109 27.7 22.7 34.1
65 48.8 38.6 58.0





#27

2,4-Dimethylphenol

Concen: 5.242 ng

RT: 7.810 min Scan# 91

Delta R.T. -0.006 min

Lab File: BF142789.D

Acq: 19 Jun 2025 17:38

Instrument :

BNA_F

ClientSampleId :

SSTDICC005

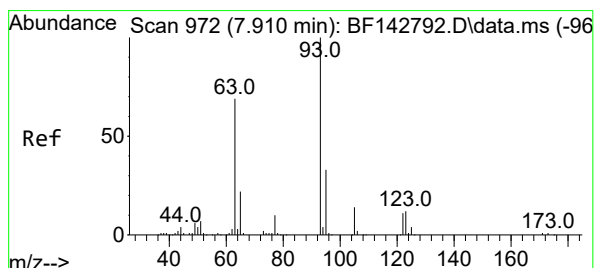
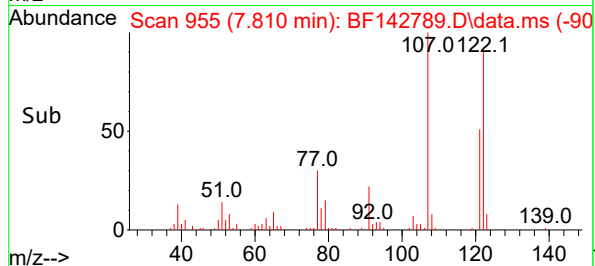
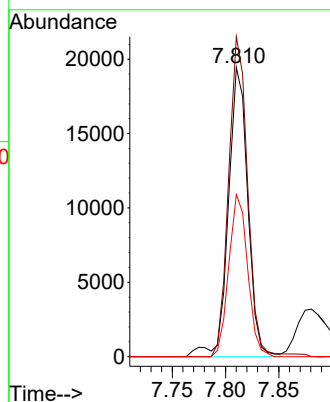
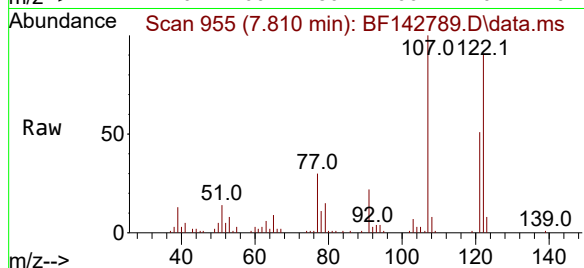
Tgt Ion:122 Resp: 24614

Ion Ratio Lower Upper

122 100

107 110.7 88.0 132.0

121 56.1 46.3 69.5



#28

bis(2-Chloroethoxy)methane

Concen: 5.068 ng

RT: 7.910 min Scan# 972

Delta R.T. 0.000 min

Lab File: BF142789.D

Acq: 19 Jun 2025 17:38

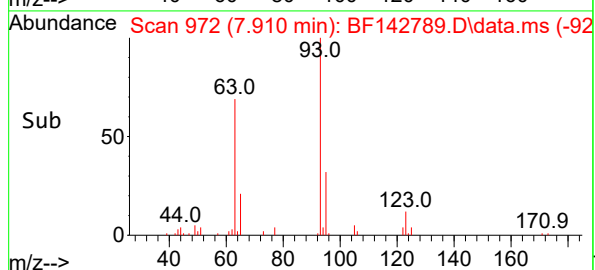
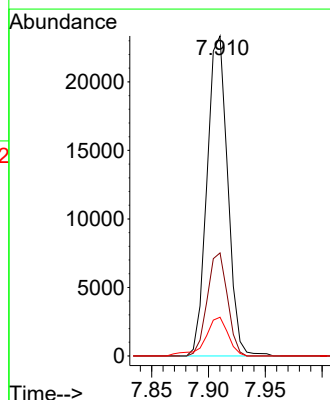
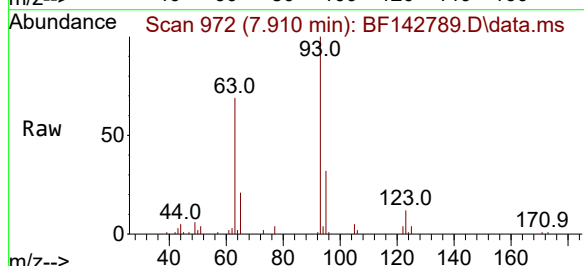
Tgt Ion: 93 Resp: 29467

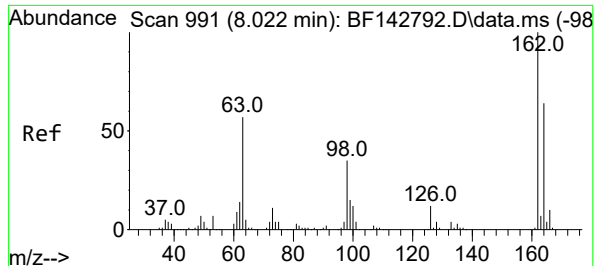
Ion Ratio Lower Upper

93 100

95 32.2 26.2 39.2

123 12.1 9.9 14.9





#29

2,4-Dichlorophenol

Concen: 5.134 ng

RT: 8.022 min Scan# 991

Delta R.T. 0.000 min

Lab File: BF142789.D

Acq: 19 Jun 2025 17:38

Instrument :

BNA_F

ClientSampleId :

SSTDICC005

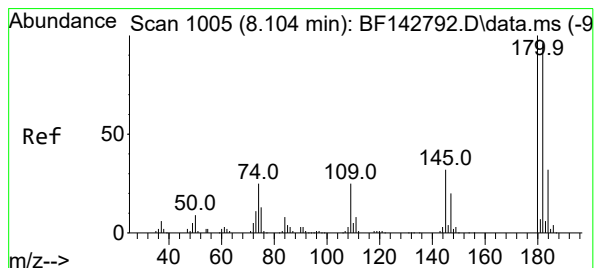
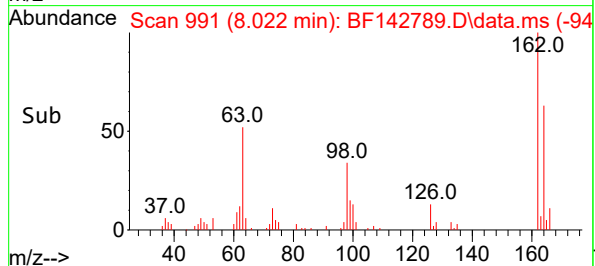
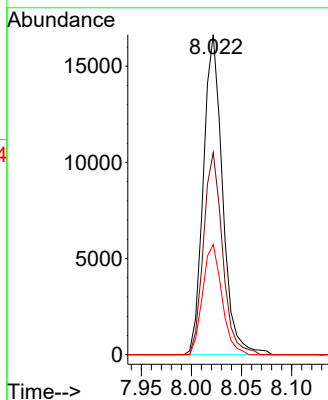
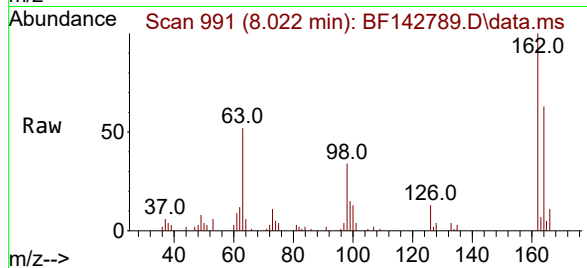
Tgt Ion:162 Resp: 22222

Ion Ratio Lower Upper

162 100

164 63.2 44.0 84.0

98 34.4 15.4 55.4



#30

1,2,4-Trichlorobenzene

Concen: 5.171 ng

RT: 8.104 min Scan# 1005

Delta R.T. 0.000 min

Lab File: BF142789.D

Acq: 19 Jun 2025 17:38

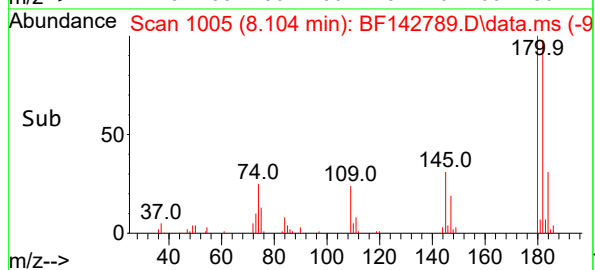
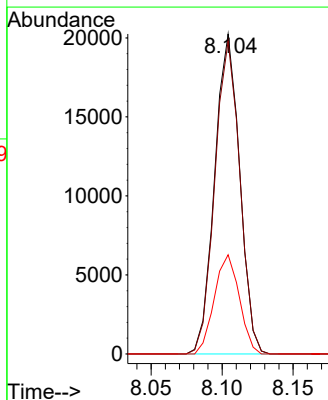
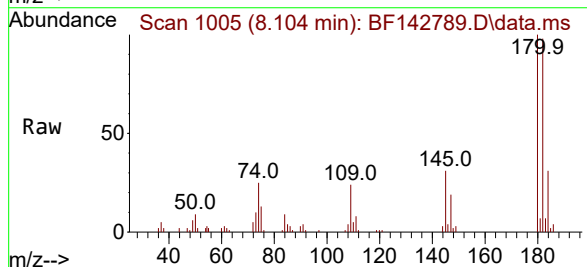
Tgt Ion:180 Resp: 24724

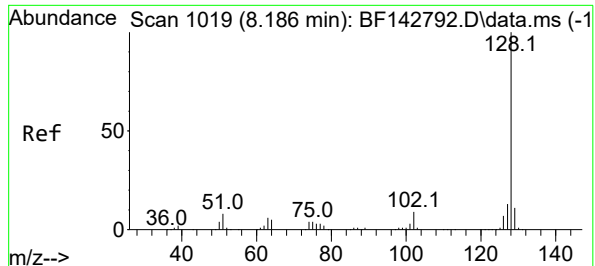
Ion Ratio Lower Upper

180 100

182 97.8 76.4 114.6

145 31.0 25.8 38.8





#31

Naphthalene

Concen: 5.344 ng

RT: 8.187 min Scan# 1019

Delta R.T. 0.000 min

Lab File: BF142789.D

Acq: 19 Jun 2025 17:38

Instrument :

BNA_F

ClientSampleId :

SSTDICC005

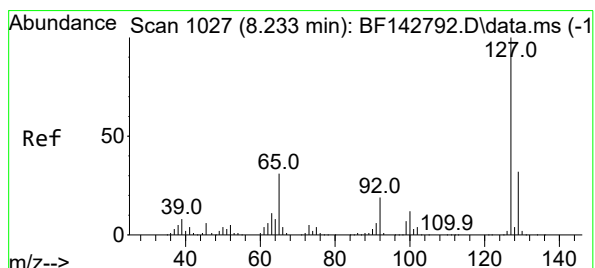
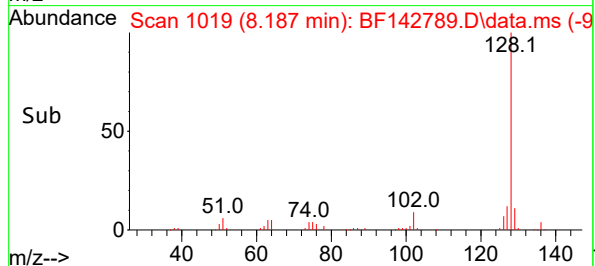
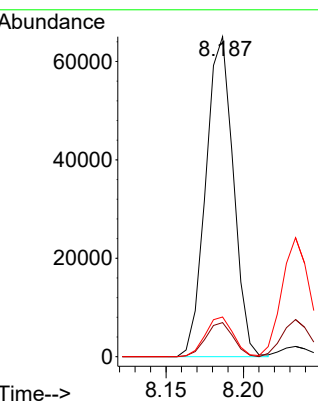
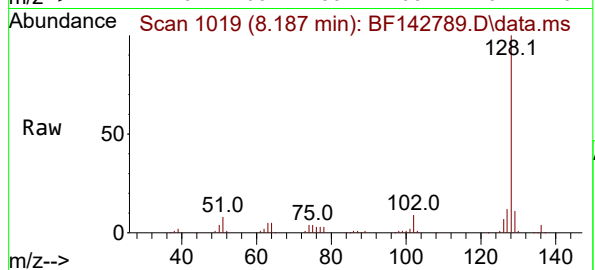
Tgt Ion:128 Resp: 80247

Ion Ratio Lower Upper

128 100

129 10.7 8.9 13.3

127 12.4 10.4 15.6



#33

4-Chloroaniline

Concen: 5.256 ng

RT: 8.234 min Scan# 1027

Delta R.T. 0.000 min

Lab File: BF142789.D

Acq: 19 Jun 2025 17:38

Tgt Ion:127 Resp: 31626

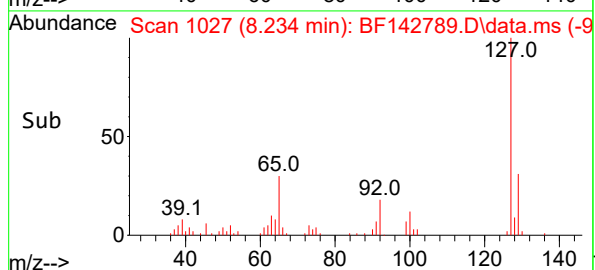
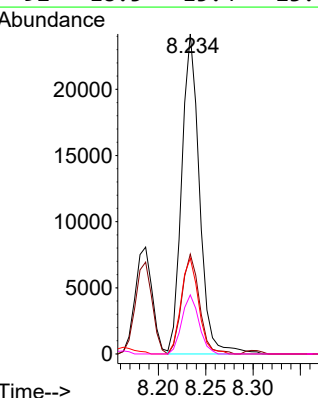
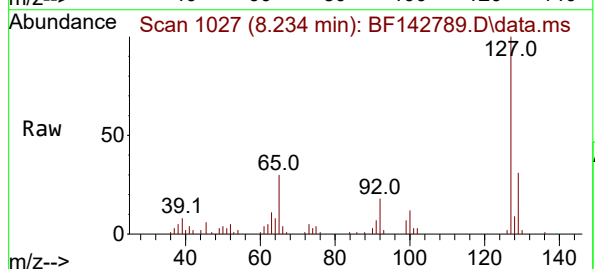
Ion Ratio Lower Upper

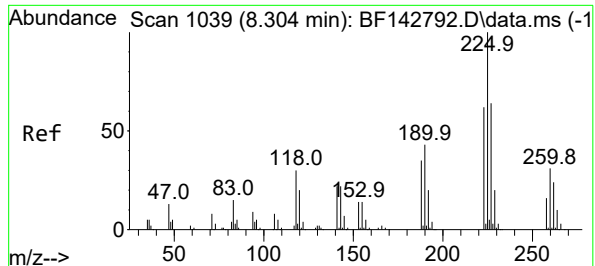
127 100

129 31.2 25.9 38.9

65 29.9 24.6 36.8

92 18.5 15.4 23.0





#34

Hexachlorobutadiene

Concen: 4.918 ng

RT: 8.304 min Scan# 1108

Delta R.T. 0.000 min

Lab File: BF142789.D

Acq: 19 Jun 2025 17:38

Instrument :

BNA_F

ClientSampleId :

SSTDICC005

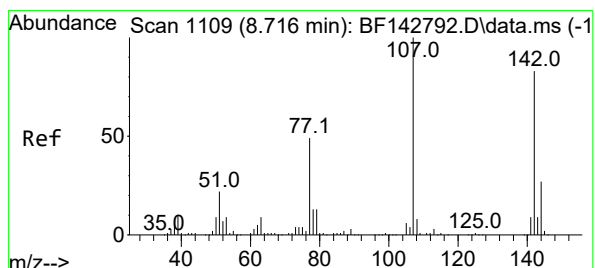
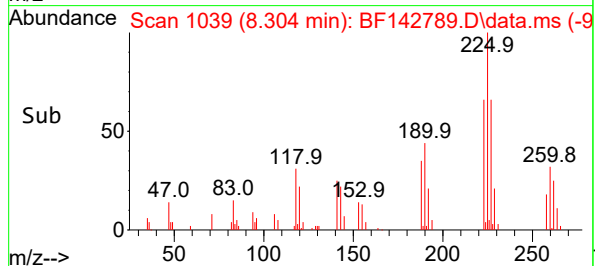
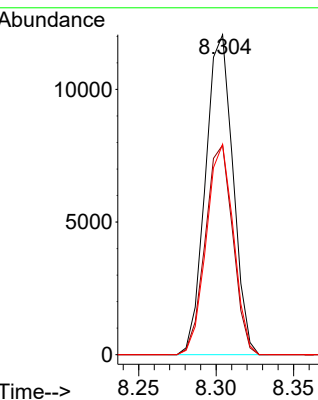
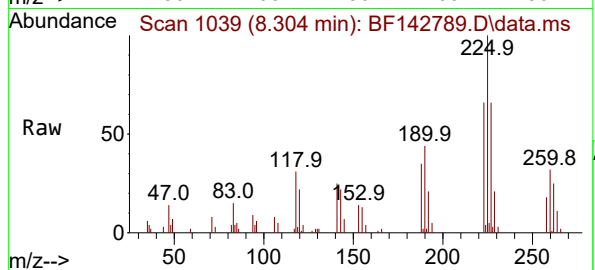
Tgt Ion:225 Resp: 14900

Ion Ratio Lower Upper

225 100

223 65.5 49.9 74.9

227 65.7 51.4 77.0



#36

4-Chloro-3-methylphenol

Concen: 5.113 ng

RT: 8.710 min Scan# 1108

Delta R.T. -0.006 min

Lab File: BF142789.D

Acq: 19 Jun 2025 17:38

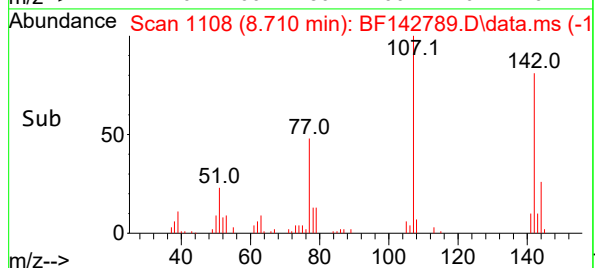
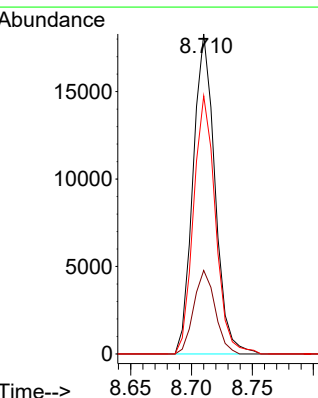
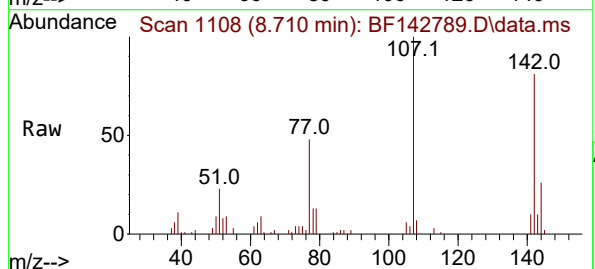
Tgt Ion:107 Resp: 22861

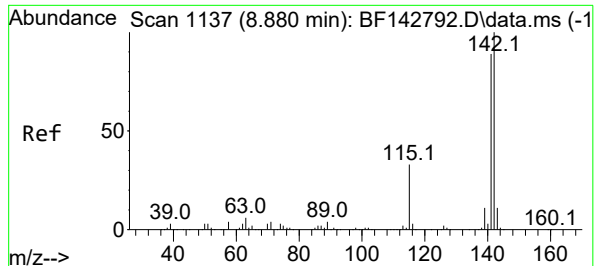
Ion Ratio Lower Upper

107 100

144 26.1 21.3 31.9

142 80.7 66.6 100.0





#37

2-Methylnaphthalene

Concen: 5.281 ng

RT: 8.875 min Scan# 1136

Delta R.T. -0.006 min

Lab File: BF142789.D

Acq: 19 Jun 2025 17:38

Instrument :

BNA_F

ClientSampleId :

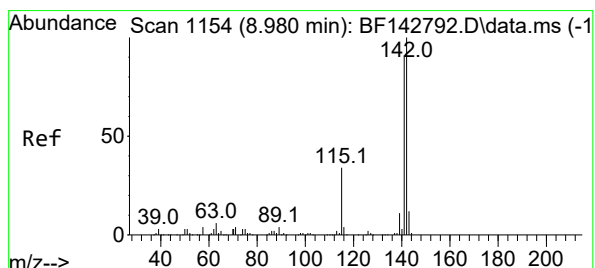
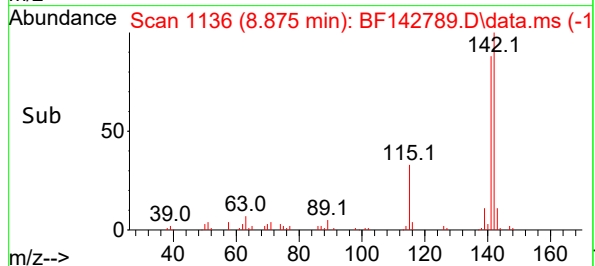
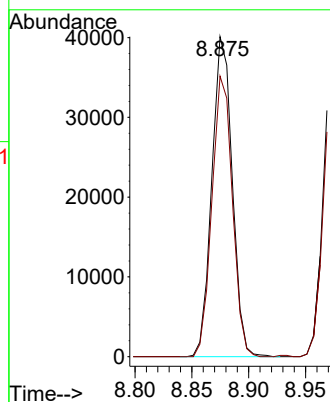
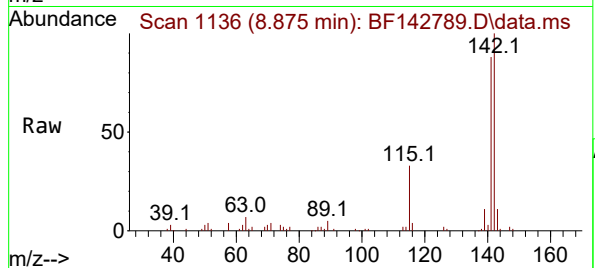
SSTDICC005

Tgt Ion:142 Resp: 50024

Ion Ratio Lower Upper

142 100

141 87.6 70.9 106.3



#38

1-Methylnaphthalene

Concen: 5.307 ng

RT: 8.975 min Scan# 1153

Delta R.T. -0.006 min

Lab File: BF142789.D

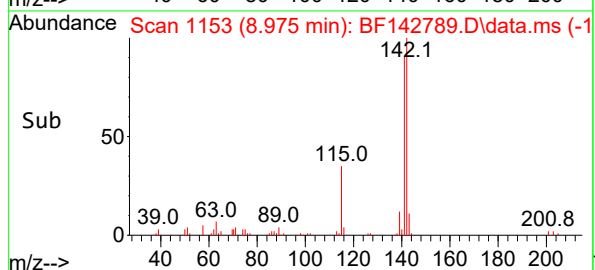
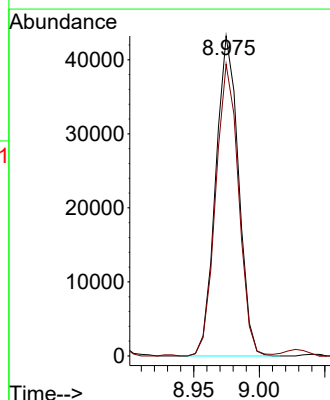
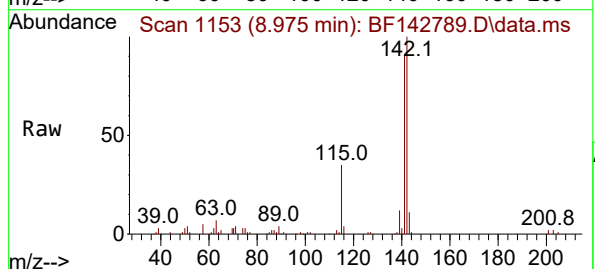
Acq: 19 Jun 2025 17:38

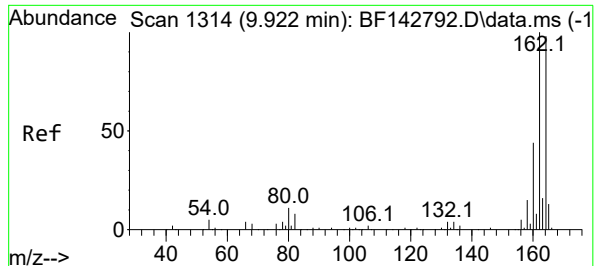
Tgt Ion:142 Resp: 52193

Ion Ratio Lower Upper

142 100

141 91.2 73.0 109.4





#39

Acenaphthene-d10

Concen: 20.000 ng

RT: 9.922 min Scan# 1165

Delta R.T. 0.000 min

Lab File: BF142789.D

Acq: 19 Jun 2025 17:38

Instrument :

BNA_F

ClientSampleId :

SSTDICC005

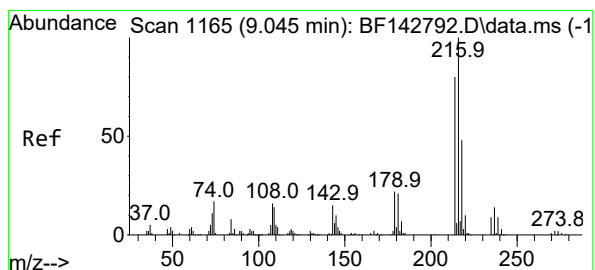
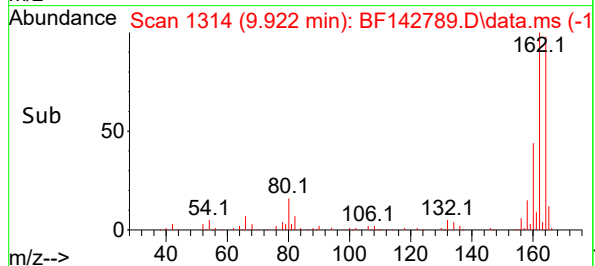
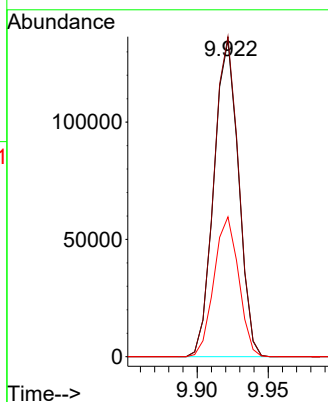
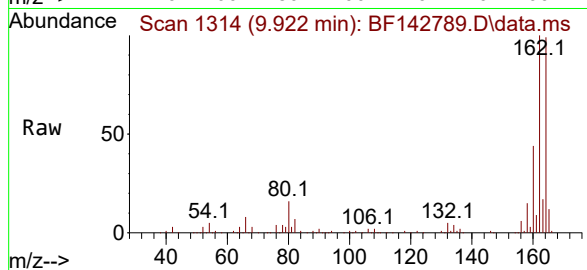
Tgt Ion:164 Resp: 162729

Ion Ratio Lower Upper

164 100

162 101.1 81.8 122.8

160 44.2 36.0 54.0



#40

1,2,4,5-Tetrachlorobenzene

Concen: 5.419 ng

RT: 9.045 min Scan# 1165

Delta R.T. 0.000 min

Lab File: BF142789.D

Acq: 19 Jun 2025 17:38

Tgt Ion:216 Resp: 25456

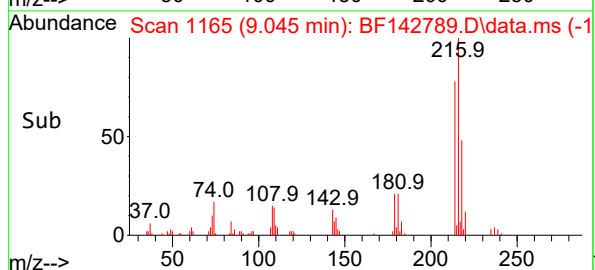
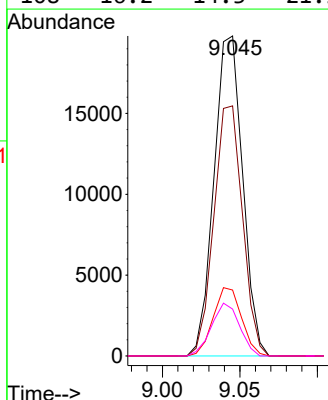
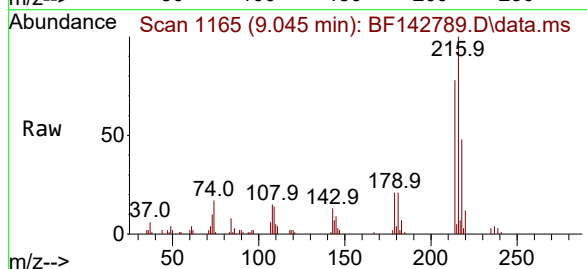
Ion Ratio Lower Upper

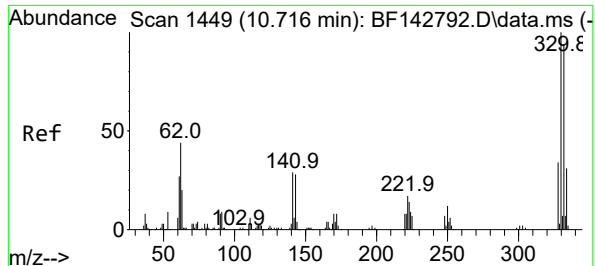
216 100

214 78.0 63.7 95.5

179 21.1 17.6 26.4

108 16.2 14.3 21.5





#42

2,4,6-Tribromophenol

Concen: 9.551 ng

RT: 10.710 min Scan# 1449

Delta R.T. -0.006 min

Lab File: BF142789.D

Acq: 19 Jun 2025 17:38

Instrument :

BNA_F

ClientSampleId :

SSTDICC005

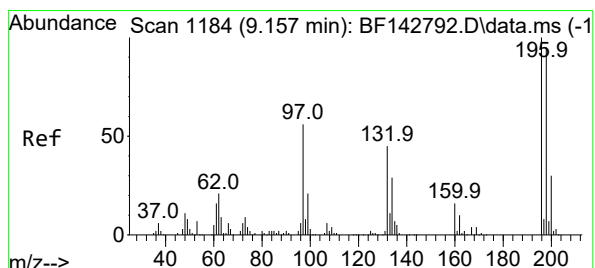
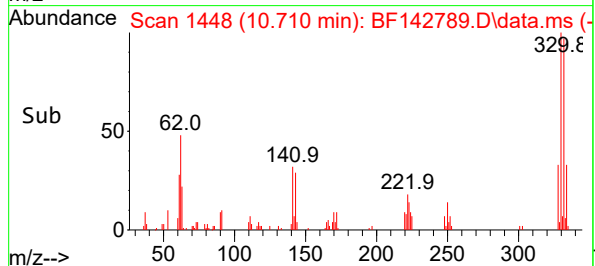
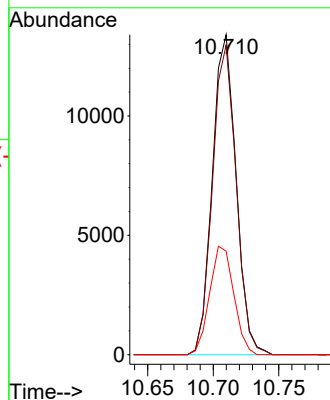
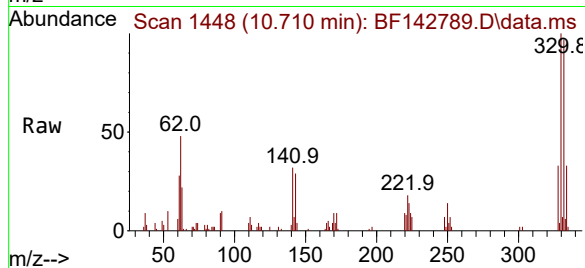
Tgt Ion:330 Resp: 16892

Ion Ratio Lower Upper

330 100

332 96.5 75.0 112.6

141 34.5 25.3 37.9



#43

2,4,6-Trichlorophenol

Concen: 5.154 ng

RT: 9.157 min Scan# 1184

Delta R.T. 0.000 min

Lab File: BF142789.D

Acq: 19 Jun 2025 17:38

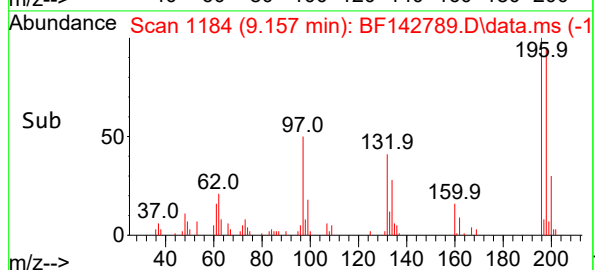
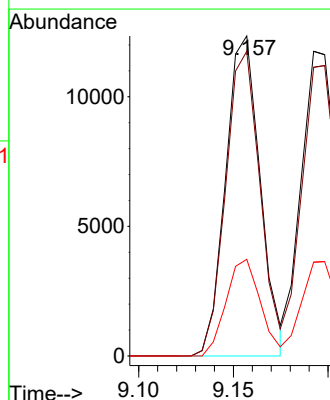
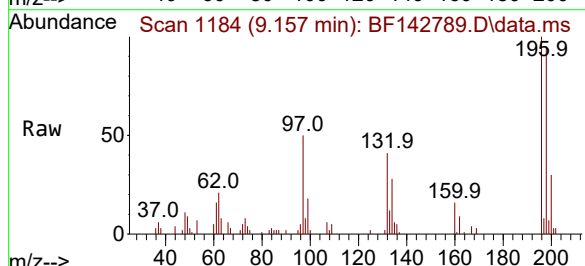
Tgt Ion:196 Resp: 15667

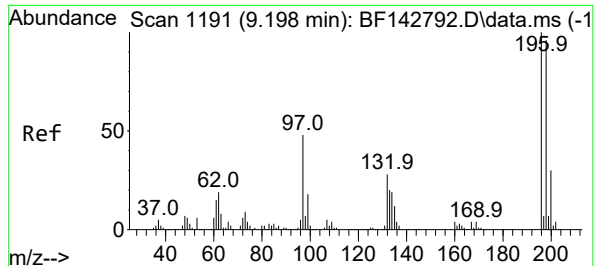
Ion Ratio Lower Upper

196 100

198 95.2 76.2 114.2

200 30.2 24.1 36.1





#44

2,4,5-Trichlorophenol

Concen: 5.045 ng

RT: 9.192 min Scan# 1191

Delta R.T. -0.006 min

Lab File: BF142789.D

Acq: 19 Jun 2025 17:38

Instrument :

BNA_F

ClientSampleId :

SSTDICC005

Tgt Ion:196 Resp: 16563

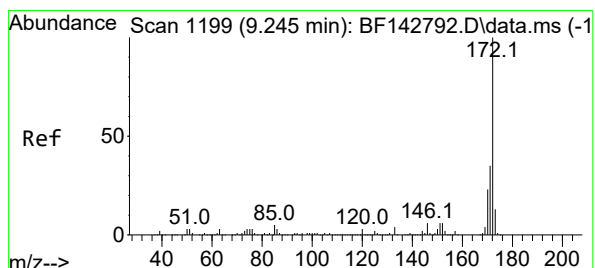
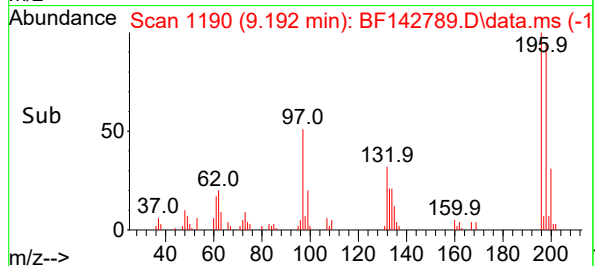
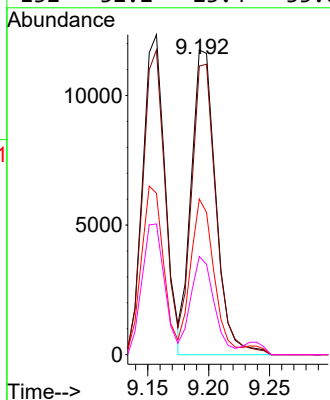
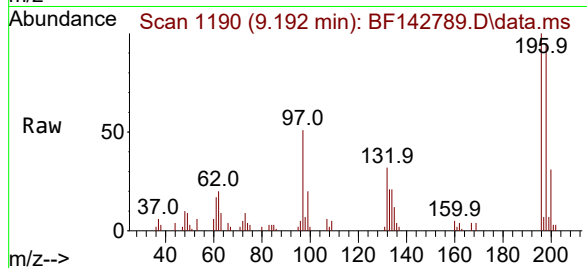
Ion Ratio Lower Upper

196 100

198 94.8 76.6 115.0

97 51.1 38.2 57.2

132 32.2 23.4 35.0



#45

2-Fluorobiphenyl

Concen: 11.573 ng

RT: 9.239 min Scan# 1198

Delta R.T. -0.006 min

Lab File: BF142789.D

Acq: 19 Jun 2025 17:38

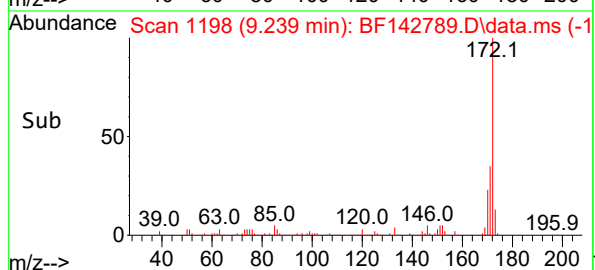
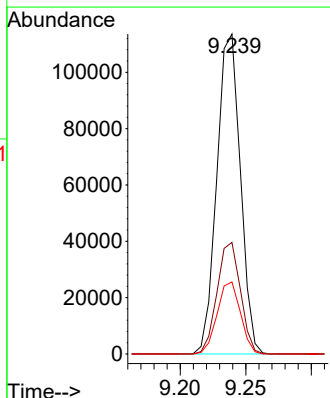
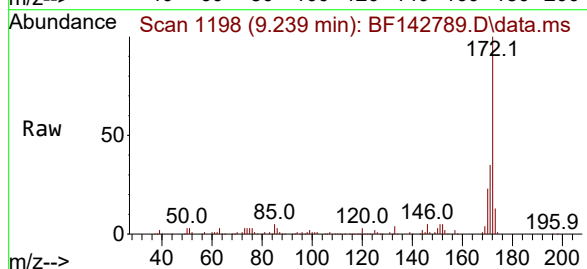
Tgt Ion:172 Resp: 141565

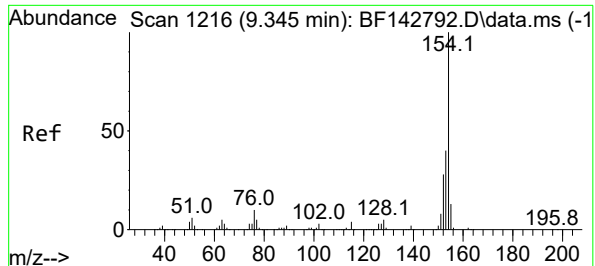
Ion Ratio Lower Upper

172 100

171 34.8 28.2 42.4

170 22.5 18.5 27.7





#46

1,1'-Biphenyl

Concen: 5.478 ng

RT: 9.339 min Scan# 1215

Delta R.T. -0.006 min

Lab File: BF142789.D

Acq: 19 Jun 2025 17:38

Instrument :

BNA_F

ClientSampleId :

SSTDICC005

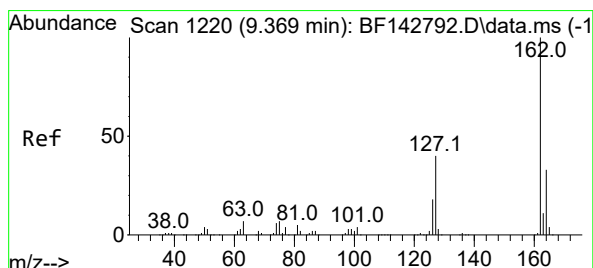
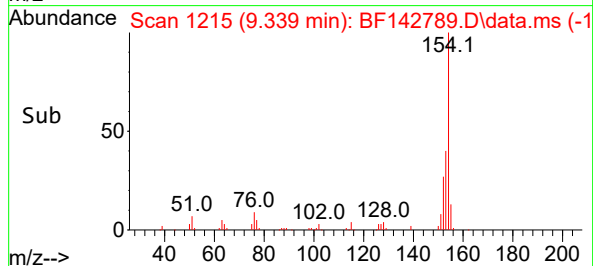
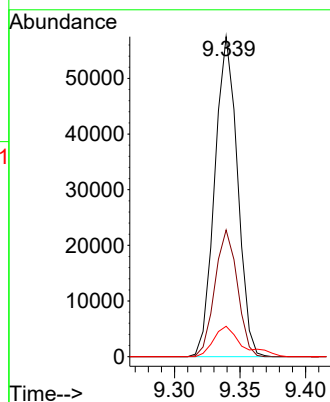
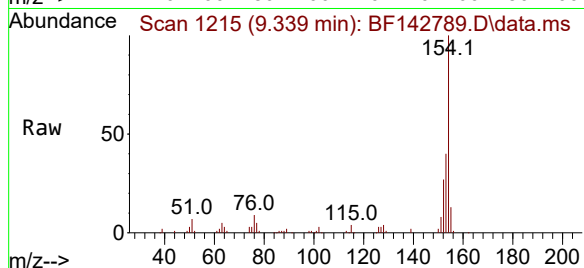
Tgt Ion:154 Resp: 69218

Ion Ratio Lower Upper

154 100

153 39.6 20.3 60.3

76 9.5 0.0 30.3



#47

2-Chloronaphthalene

Concen: 5.670 ng

RT: 9.363 min Scan# 1219

Delta R.T. -0.006 min

Lab File: BF142789.D

Acq: 19 Jun 2025 17:38

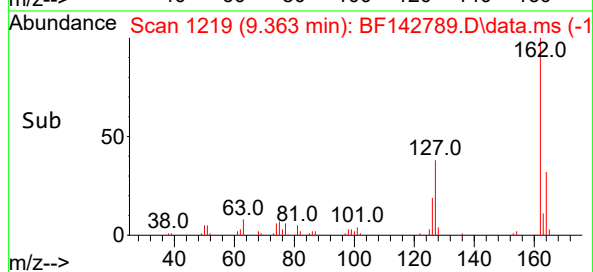
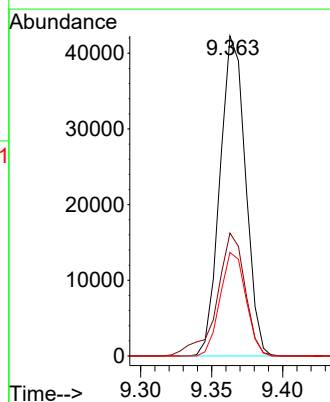
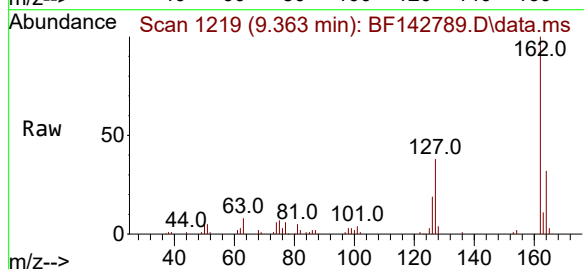
Tgt Ion:162 Resp: 52868

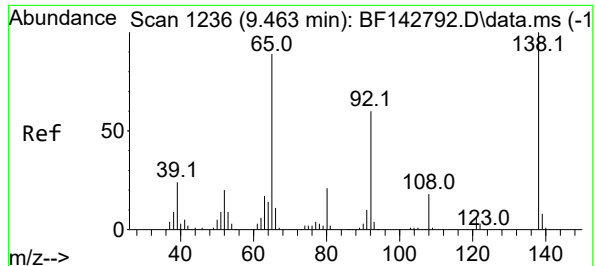
Ion Ratio Lower Upper

162 100

127 38.4 32.2 48.2

164 32.4 26.1 39.1





#48

2-Nitroaniline

Concen: 4.937 ng

RT: 9.457 min Scan# 1235

Delta R.T. -0.006 min

Lab File: BF142789.D

Acq: 19 Jun 2025 17:38

Instrument :

BNA_F

ClientSampleId :

SSTDICC005

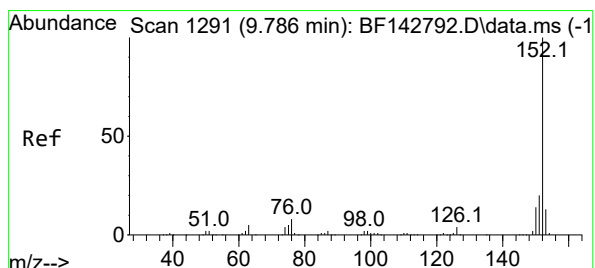
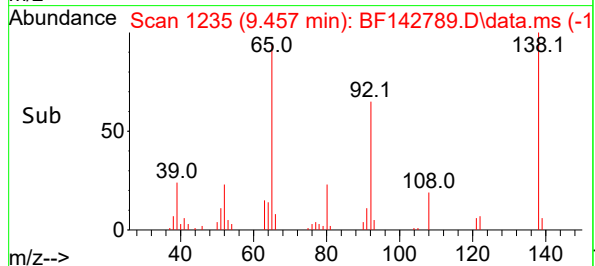
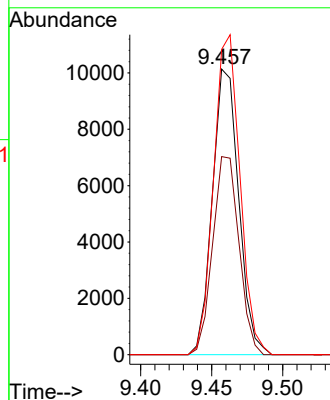
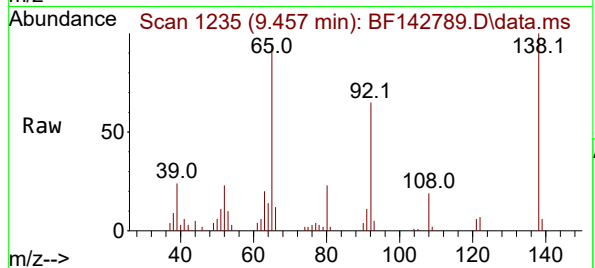
Tgt Ion: 65 Resp: 13076

Ion Ratio Lower Upper

65 100

92 69.4 53.8 80.6

138 106.9 89.6 134.4



#49

Acenaphthylene

Concen: 5.477 ng

RT: 9.781 min Scan# 1290

Delta R.T. -0.006 min

Lab File: BF142789.D

Acq: 19 Jun 2025 17:38

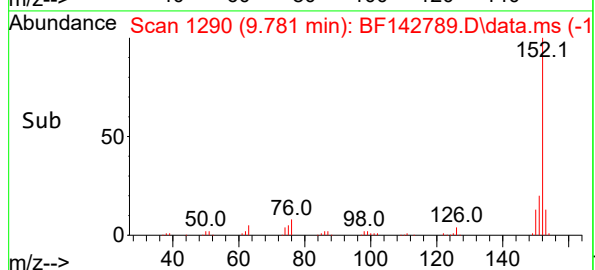
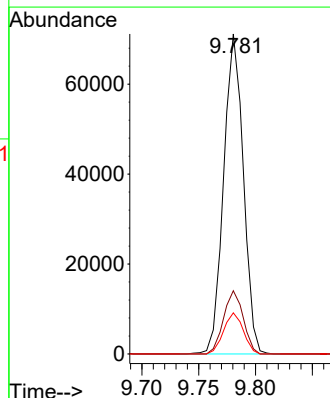
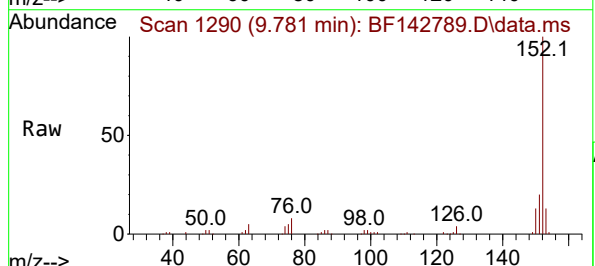
Tgt Ion: 152 Resp: 85856

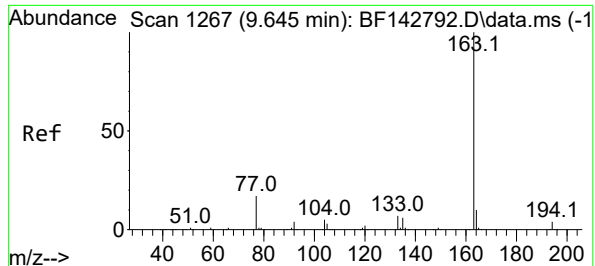
Ion Ratio Lower Upper

152 100

151 19.7 16.1 24.1

153 12.8 10.4 15.6

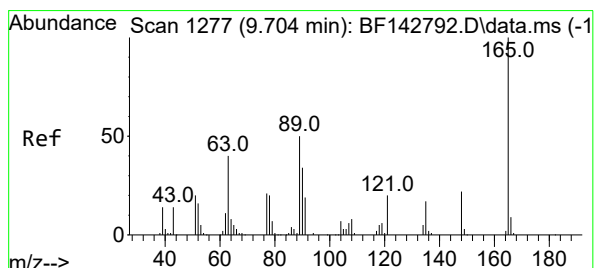
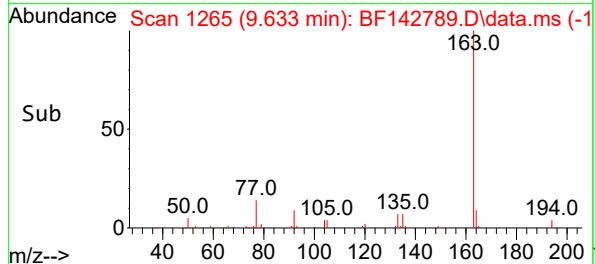
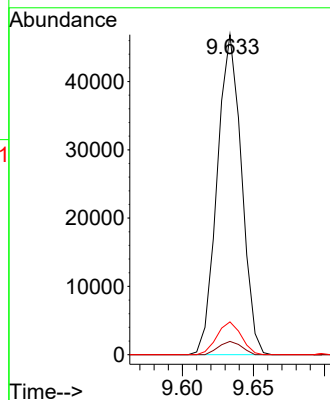
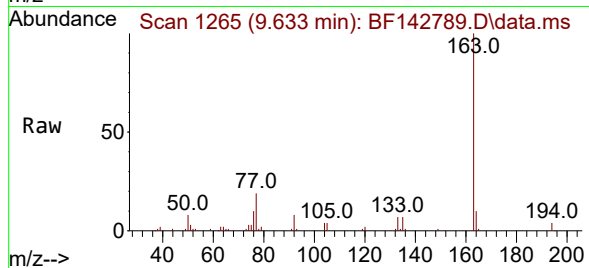




#50
Dimethylphthalate
Concen: 5.170 ng
RT: 9.633 min Scan# 1265
Delta R.T. -0.012 min
Lab File: BF142789.D
Acq: 19 Jun 2025 17:38

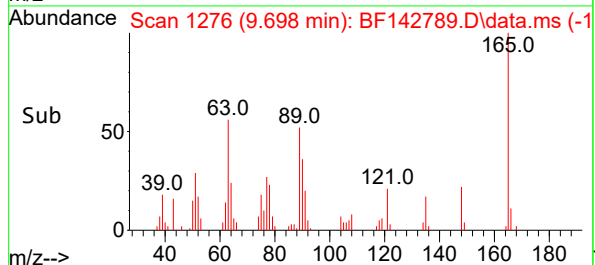
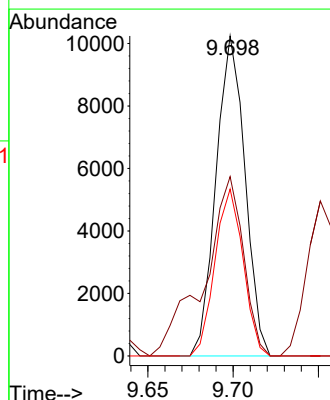
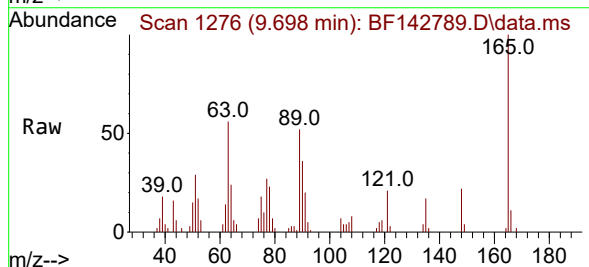
Instrument :
BNA_F
ClientSampleId :
SSTDICC005

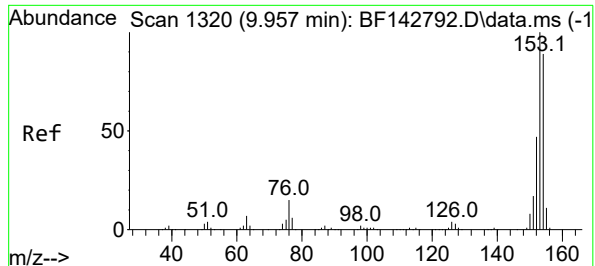
Tgt Ion:163 Resp: 55804
Ion Ratio Lower Upper
163 100
194 4.2 3.3 4.9
164 10.2 8.0 12.0



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

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





#52

Acenaphthene

Concen: 5.230 ng

RT: 9.951 min Scan# 1319

Delta R.T. -0.006 min

Lab File: BF142789.D

Acq: 19 Jun 2025 17:38

Instrument :

BNA_F

ClientSampleId :

SSTDICC005

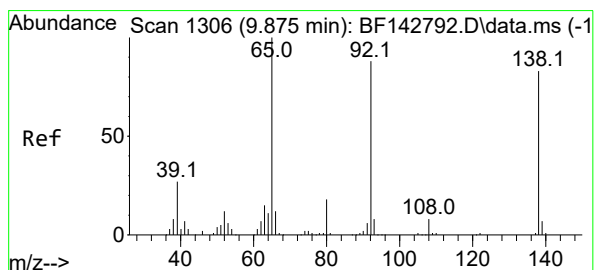
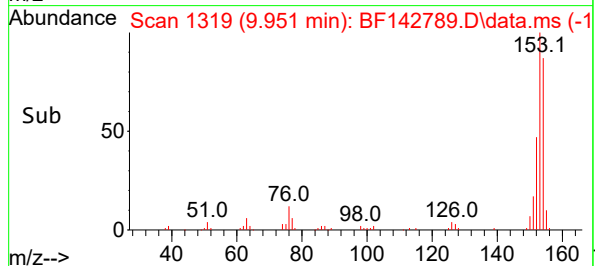
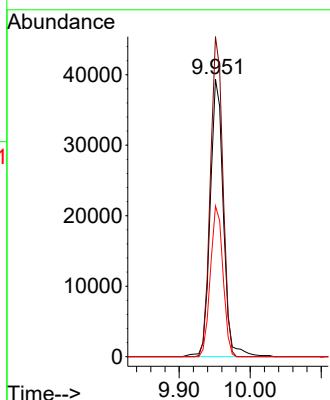
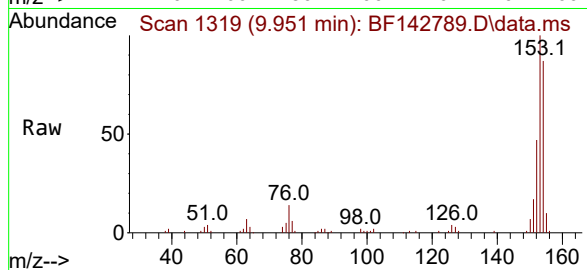
Tgt Ion:154 Resp: 50726

Ion Ratio Lower Upper

154 100

153 115.3 90.0 135.0

152 54.3 41.9 62.9



#53

3-Nitroaniline

Concen: 4.984 ng

RT: 9.869 min Scan# 1305

Delta R.T. -0.006 min

Lab File: BF142789.D

Acq: 19 Jun 2025 17:38

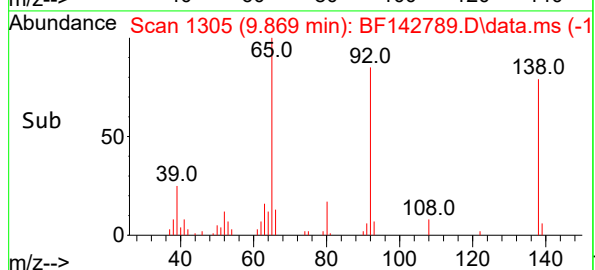
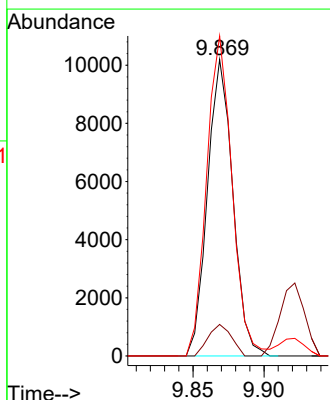
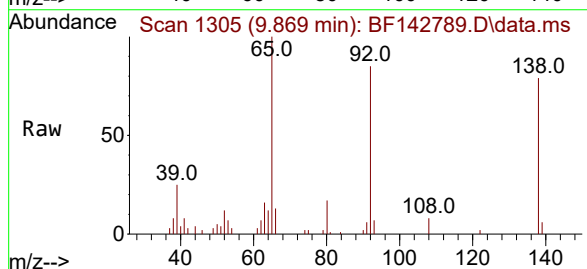
Tgt Ion:138 Resp: 12667

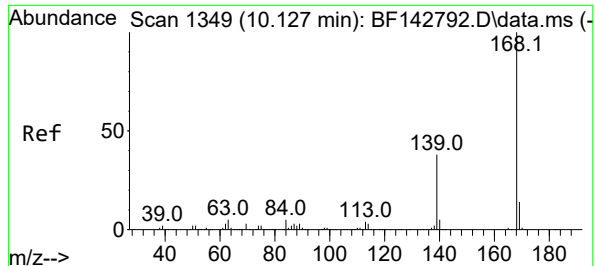
Ion Ratio Lower Upper

138 100

108 10.7 8.1 12.1

92 108.0 85.1 127.7





#55

Dibenzenofuran

Concen: 5.420 ng

RT: 10.122 min Scan# 1

Delta R.T. -0.006 min

Lab File: BF142789.D

Acq: 19 Jun 2025 17:38

Instrument :

BNA_F

ClientSampleId :

SSTDICC005

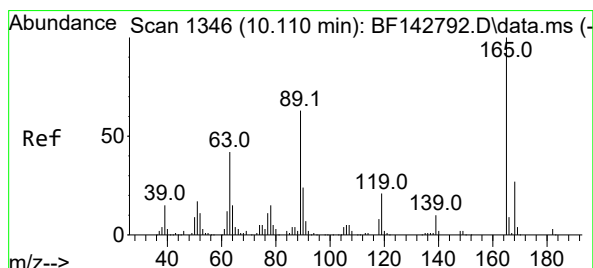
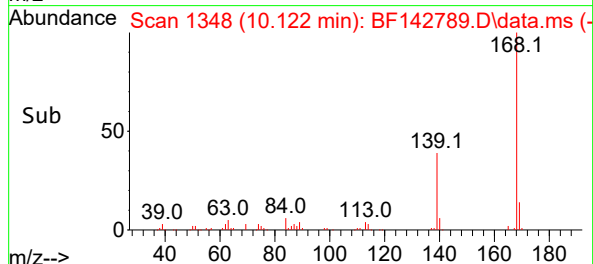
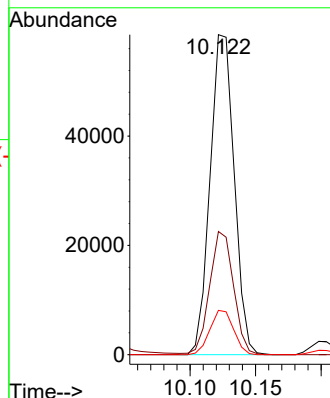
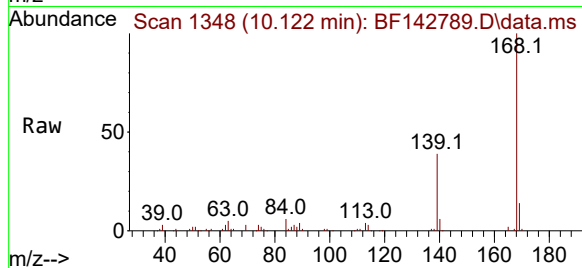
Tgt Ion:168 Resp: 74998

Ion Ratio Lower Upper

168 100

139 38.5 30.2 45.4

169 13.8 10.8 16.2



#57

2,4-Dinitrotoluene

Concen: 4.904 ng

RT: 10.104 min Scan# 1345

Delta R.T. -0.006 min

Lab File: BF142789.D

Acq: 19 Jun 2025 17:38

Tgt Ion:165 Resp: 15173

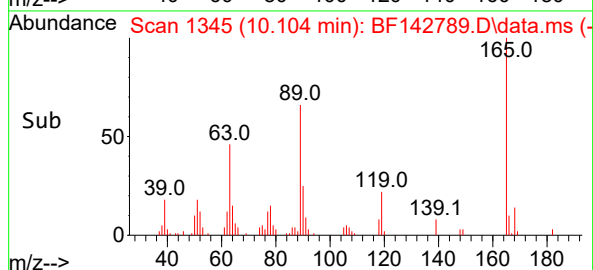
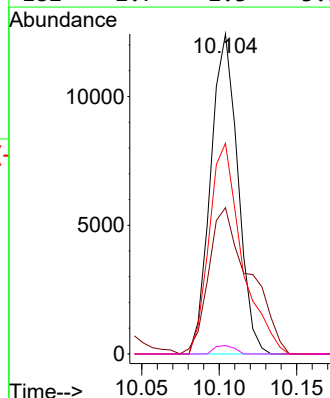
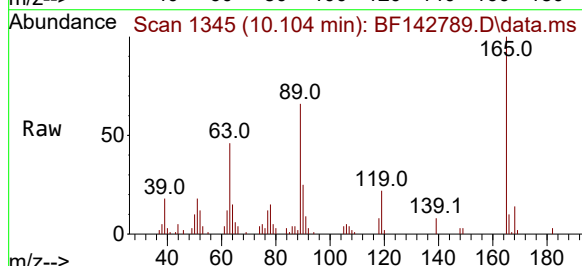
Ion Ratio Lower Upper

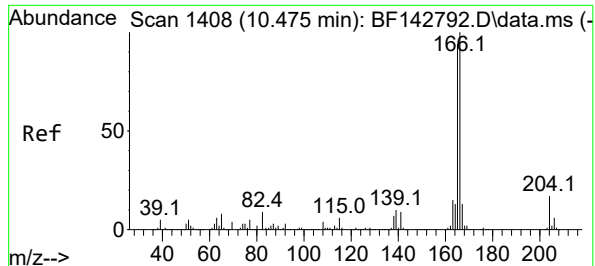
165 100

63 45.7 33.9 50.9

89 65.9 50.6 75.8

182 2.7 2.3 3.5

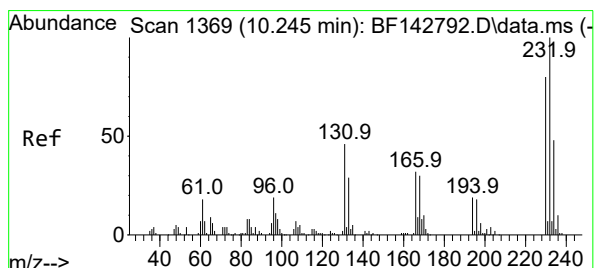
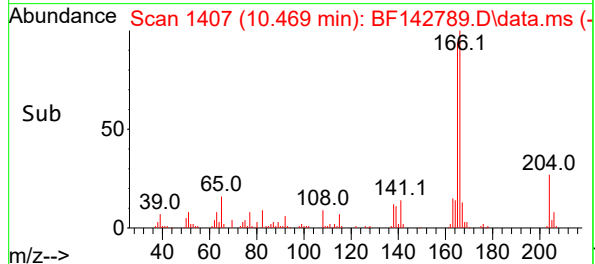
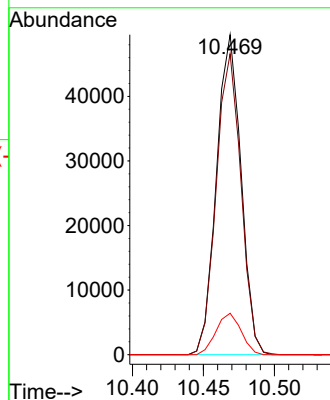
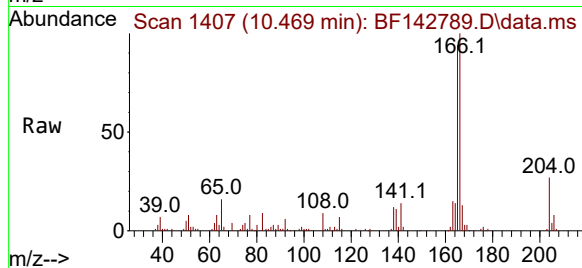




#58
Fluorene
Concen: 5.453 ng
RT: 10.469 min Scan# 1408
Delta R.T. -0.006 min
Lab File: BF142789.D
Acq: 19 Jun 2025 17:38

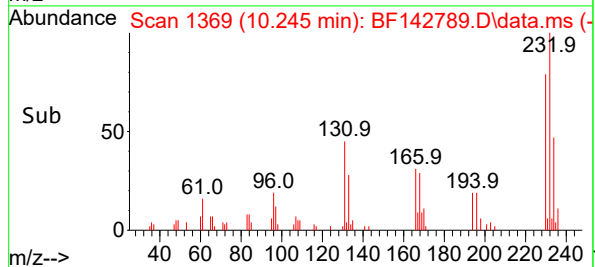
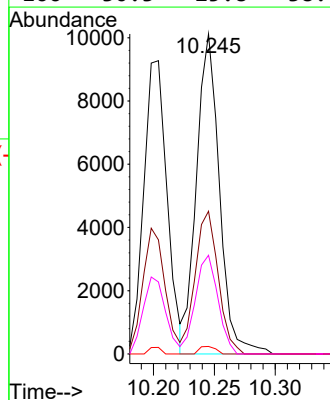
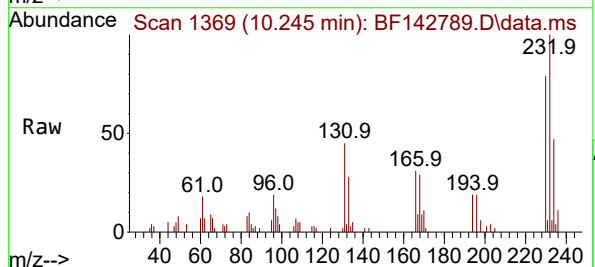
Instrument :
BNA_F
ClientSampleId :
SSTDICC005

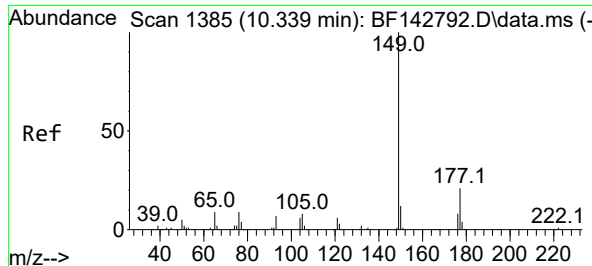
Tgt Ion:166 Resp: 59558
Ion Ratio Lower Upper
166 100
165 94.0 75.2 112.8
167 13.0 10.6 15.8



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

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

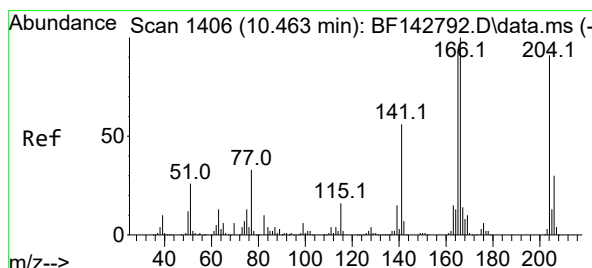
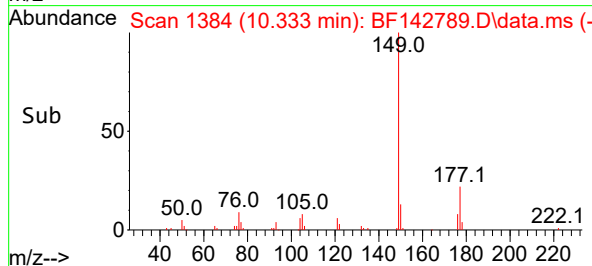
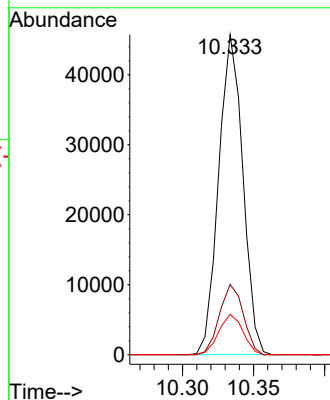
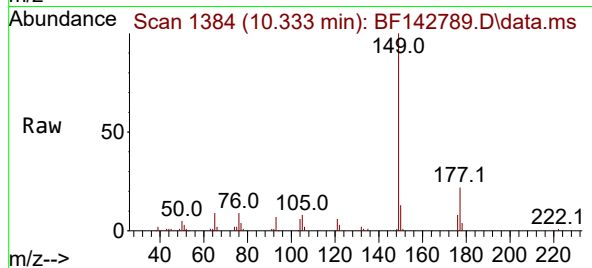




#60
Diethylphthalate
Concen: 5.040 ng
RT: 10.333 min Scan# 11
Delta R.T. -0.006 min
Lab File: BF142789.D
Acq: 19 Jun 2025 17:38

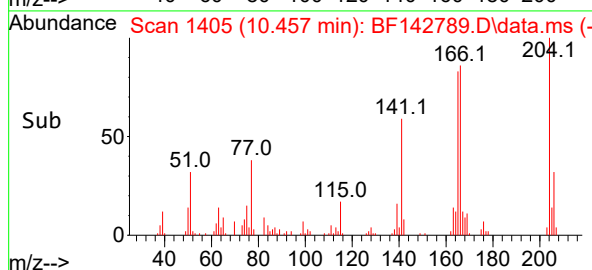
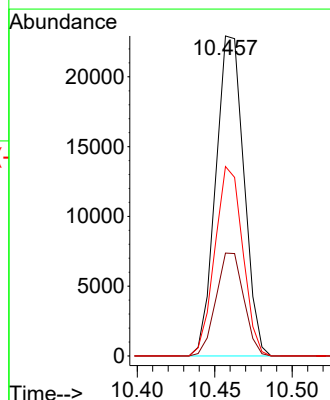
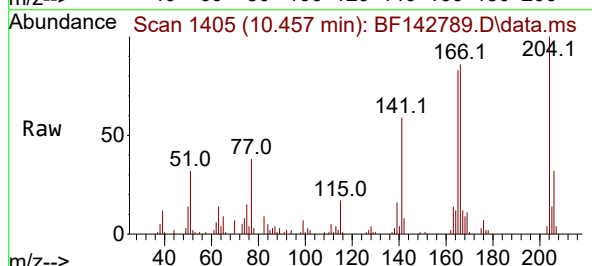
Instrument :
BNA_F
ClientSampleId :
SSTDICC005

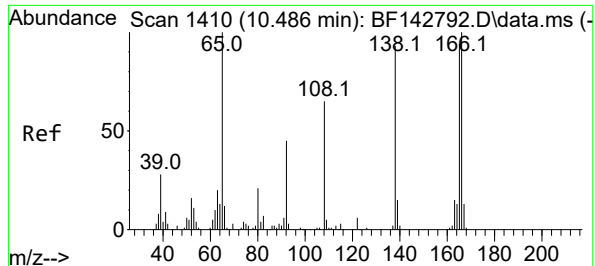
Tgt Ion	Ratio	Lower	Upper
149	100		
177	21.9	17.0	25.6
150	12.6	9.8	14.6



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

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





#62

4-Nitroaniline

Concen: 4.971 ng

RT: 10.475 min Scan# 1408

Delta R.T. -0.012 min

Lab File: BF142789.D

Acq: 19 Jun 2025 17:38

Instrument :

BNA_F

ClientSampleId :

SSTDICC005

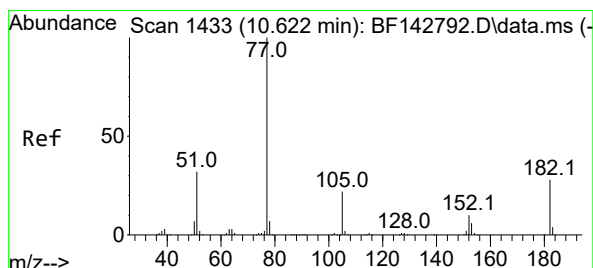
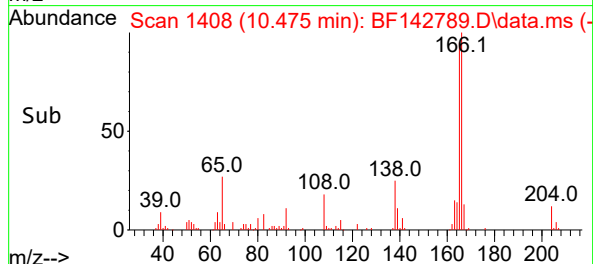
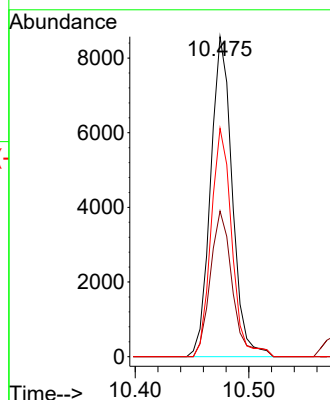
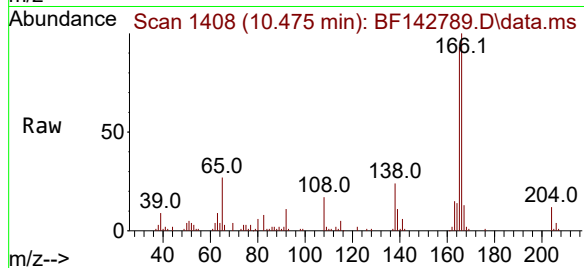
Tgt Ion:138 Resp: 11342

Ion Ratio Lower Upper

138 100

92 45.5 28.4 68.4

108 71.3 50.2 90.2



#63

Azobenzene

Concen: 5.276 ng

RT: 10.616 min Scan# 1432

Delta R.T. -0.006 min

Lab File: BF142789.D

Acq: 19 Jun 2025 17:38

Tgt Ion: 77 Resp: 49436

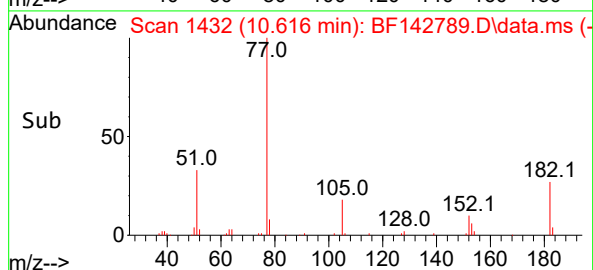
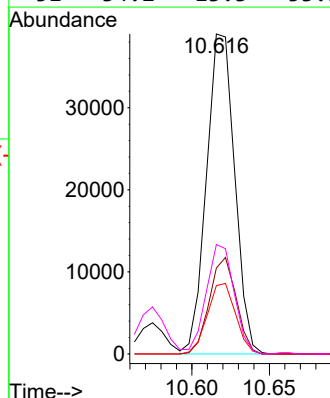
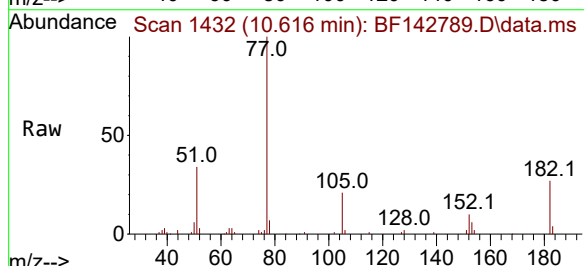
Ion Ratio Lower Upper

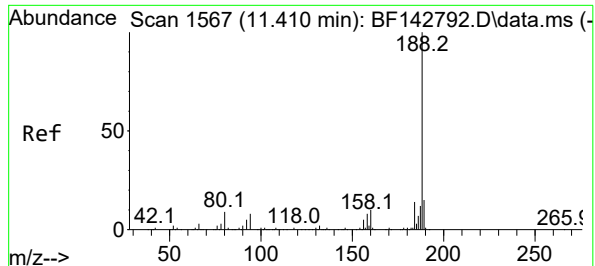
77 100

182 26.8 7.7 47.7

105 21.4 1.9 41.9

51 34.2 13.3 53.3

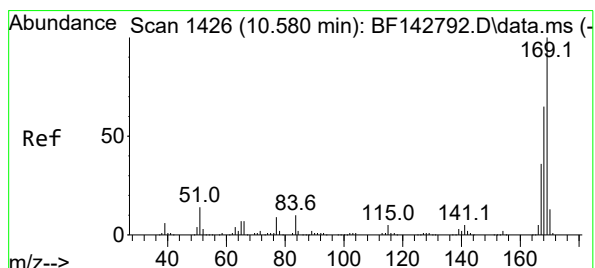
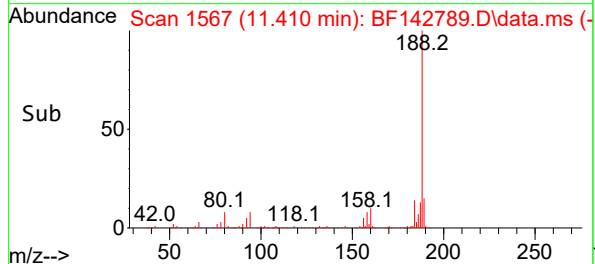
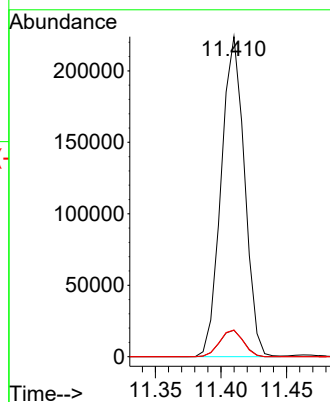
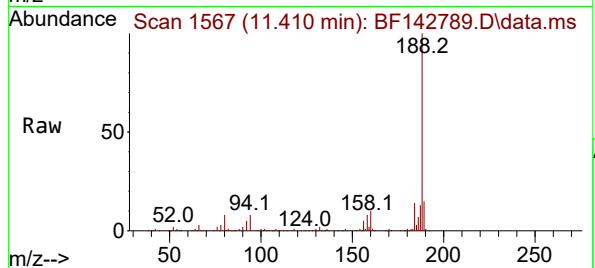




#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.410 min Scan# 11
Delta R.T. 0.000 min
Lab File: BF142789.D
Acq: 19 Jun 2025 17:38

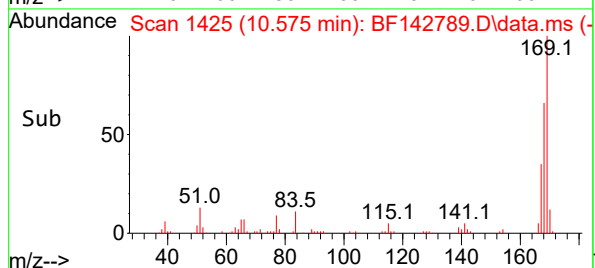
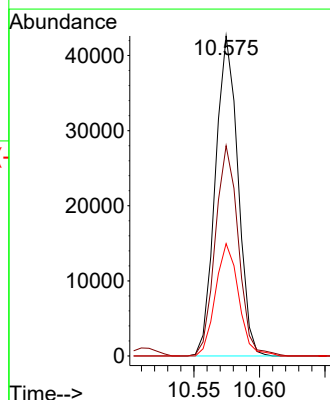
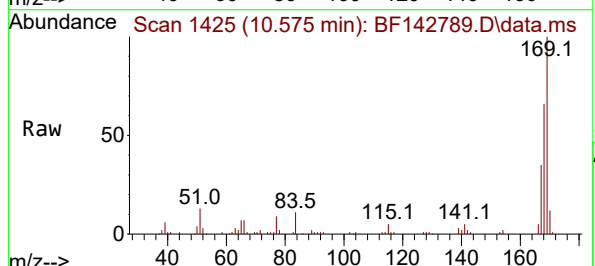
Instrument :
BNA_F
ClientSampleId :
SSTDICC005

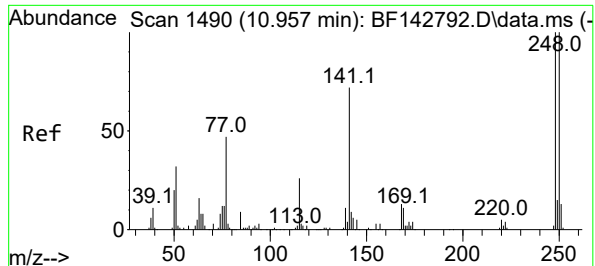
Tgt Ion:188 Resp: 277233
Ion Ratio Lower Upper
188 100
94 8.2 6.7 10.1
80 8.3 6.9 10.3



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

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

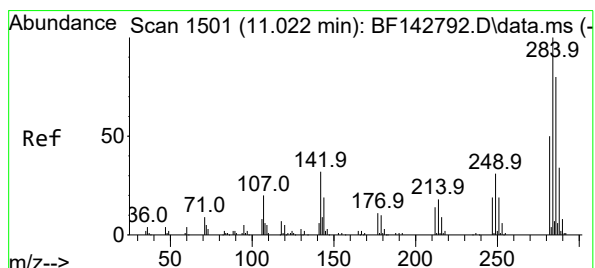
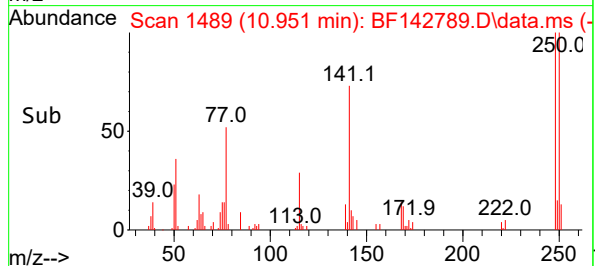
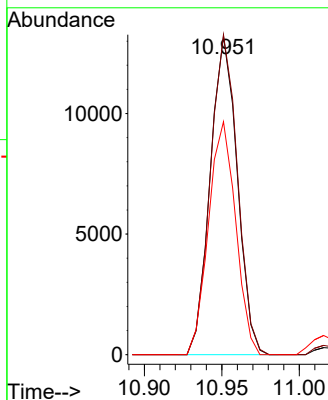
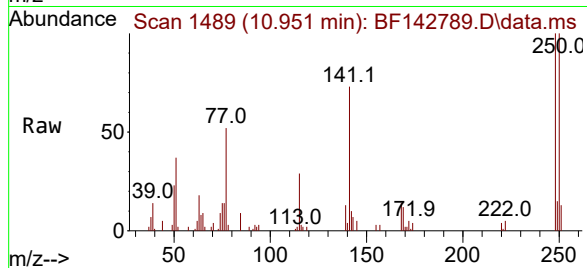




#67
4-Bromophenyl-phenylether
Concen: 4.927 ng
RT: 10.951 min Scan# 1490
Delta R.T. -0.006 min
Lab File: BF142789.D
Acq: 19 Jun 2025 17:38

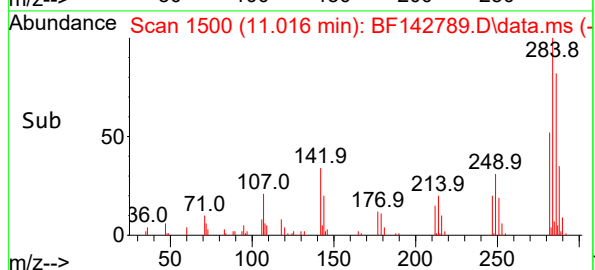
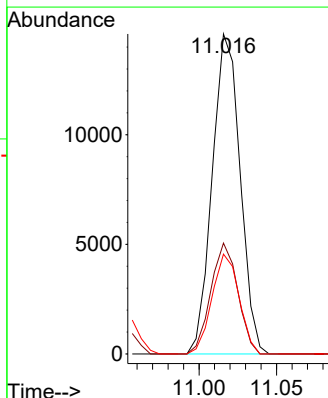
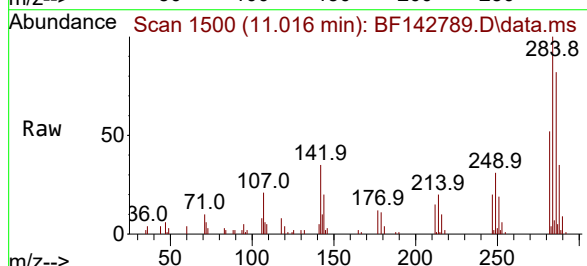
Instrument :
BNA_F
ClientSampleId :
SSTDICC005

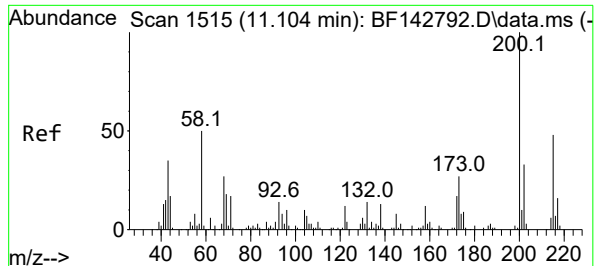
Tgt Ion:248 Resp: 15996
Ion Ratio Lower Upper
248 100
250 100.4 79.8 119.8
141 73.1 57.8 86.6



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

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





#69

Atrazine

Concen: 4.832 ng

RT: 11.098 min Scan# 1

Delta R.T. -0.006 min

Lab File: BF142789.D

Acq: 19 Jun 2025 17:38

Instrument :

BNA_F

ClientSampleId :

SSTDICC005

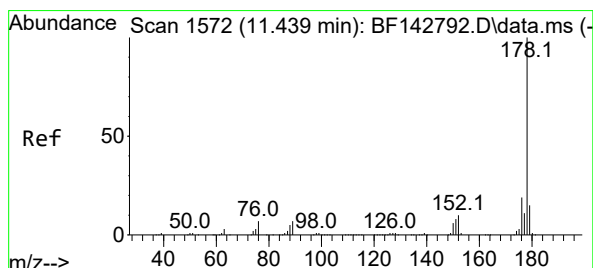
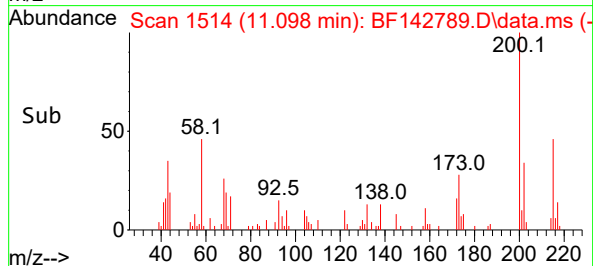
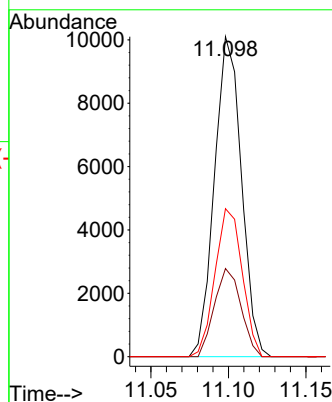
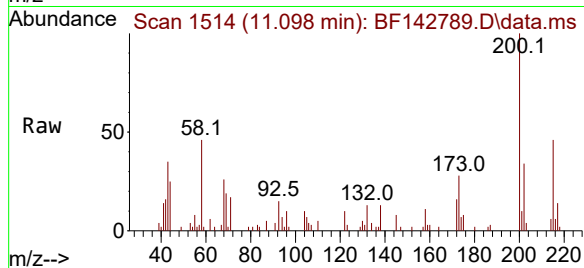
Tgt Ion:200 Resp: 12221

Ion Ratio Lower Upper

200 100

173 27.6 7.4 47.4

215 46.2 28.4 68.4



#71

Phenanthrene

Concen: 5.522 ng

RT: 11.433 min Scan# 1571

Delta R.T. -0.006 min

Lab File: BF142789.D

Acq: 19 Jun 2025 17:38

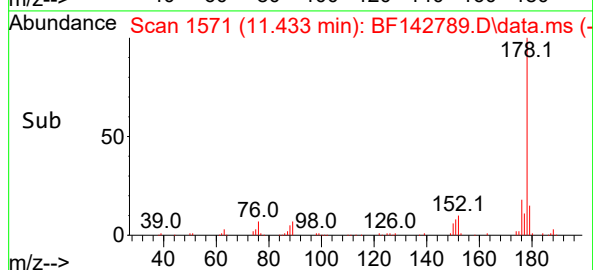
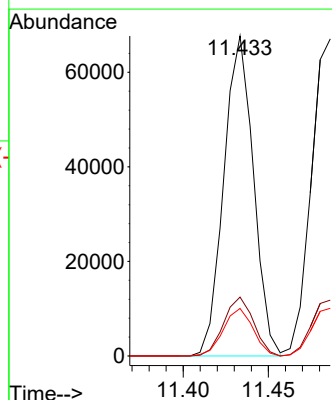
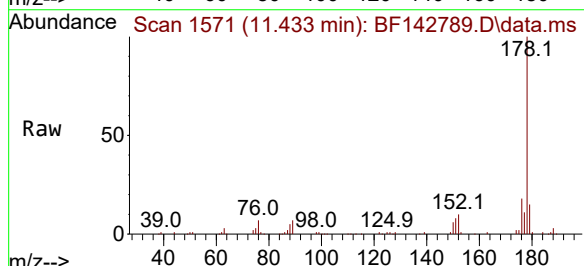
Tgt Ion:178 Resp: 81962

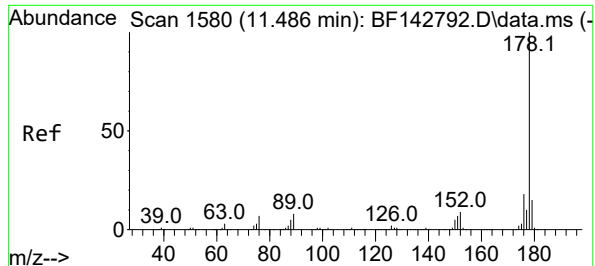
Ion Ratio Lower Upper

178 100

176 18.4 15.1 22.7

179 14.8 12.0 18.0

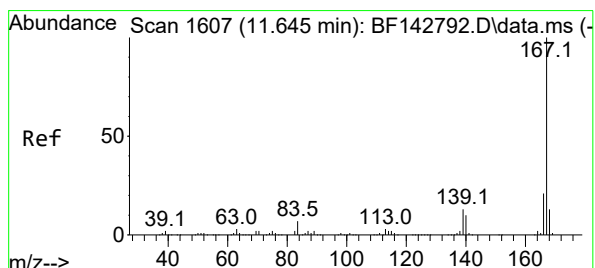
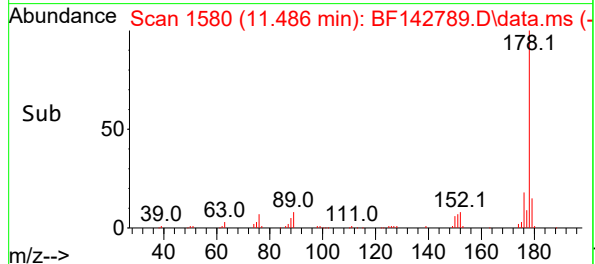
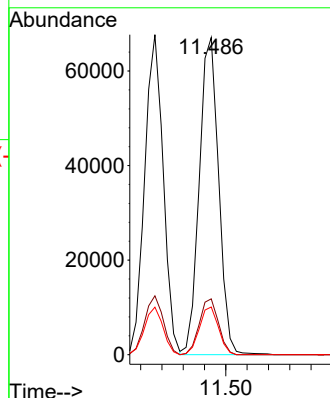
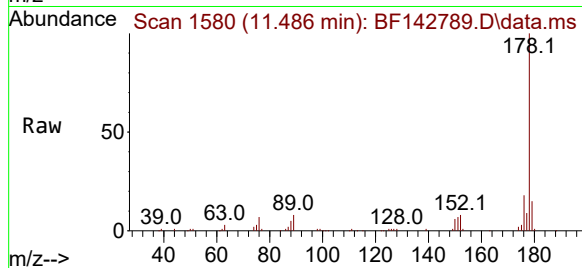




#72
Anthracene
Concen: 5.529 ng
RT: 11.486 min Scan# 11
Delta R.T. 0.000 min
Lab File: BF142789.D
Acq: 19 Jun 2025 17:38

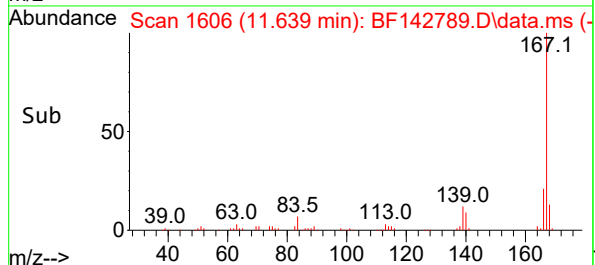
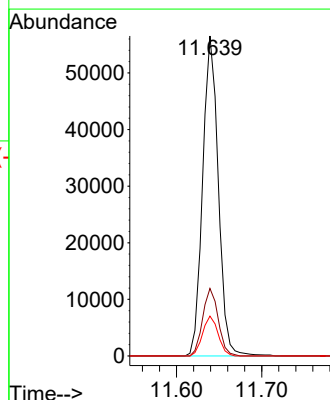
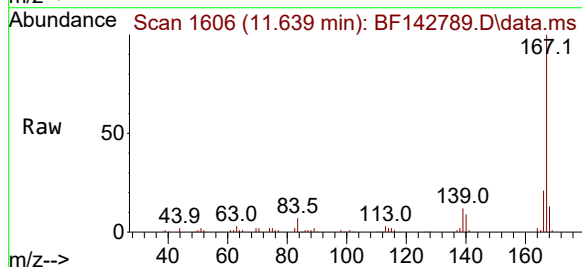
Instrument :
BNA_F
ClientSampleId :
SSTDICC005

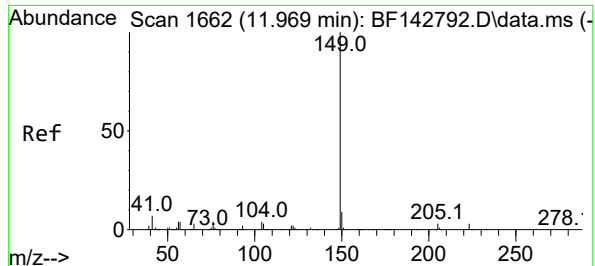
Tgt Ion	Ratio	Lower	Upper
178	100		
176	17.6	14.6	21.8
179	15.1	12.4	18.6



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

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

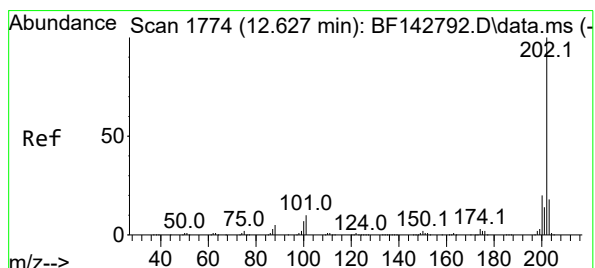
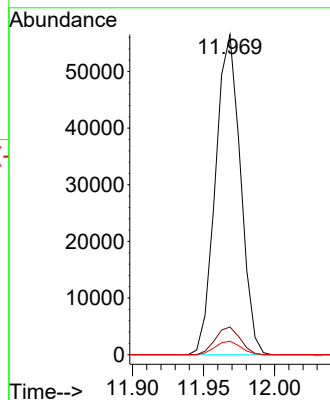
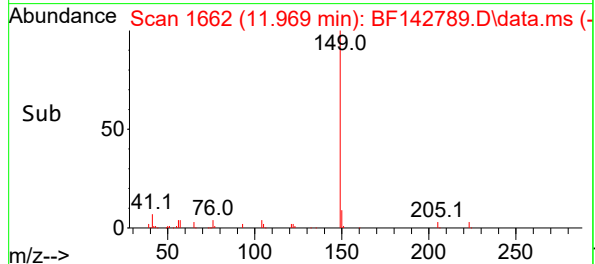
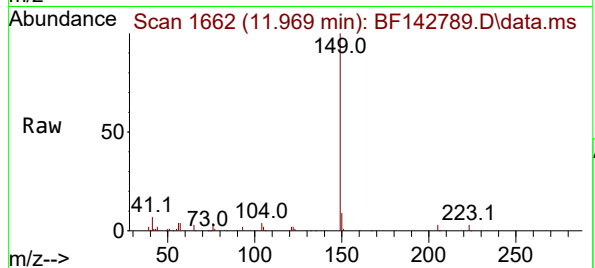




#74
Di-n-butylphthalate
Concen: 4.850 ng
RT: 11.969 min Scan# 1662
Delta R.T. 0.000 min
Lab File: BF142789.D
Acq: 19 Jun 2025 17:38

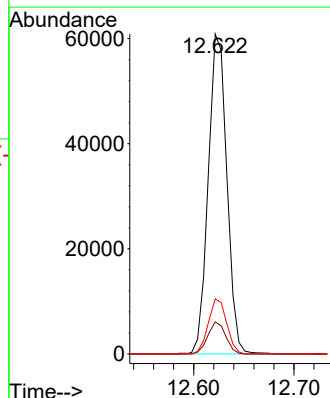
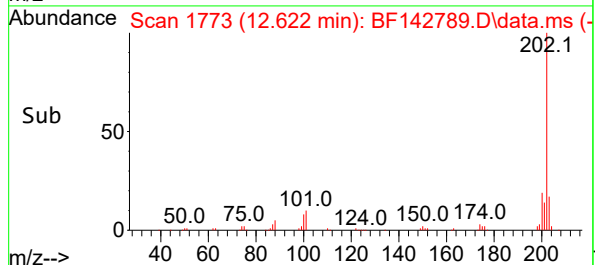
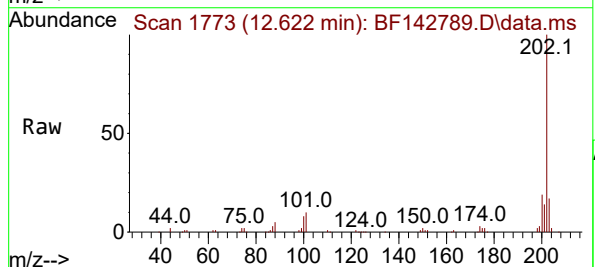
Instrument :
BNA_F
ClientSampleId :
SSTDICC005

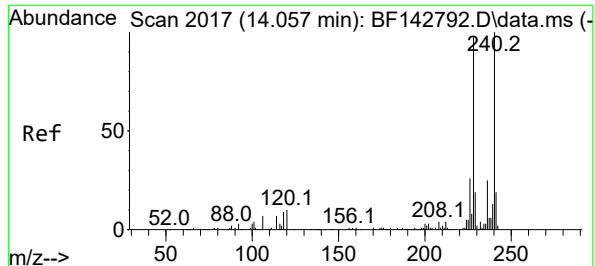
Tgt Ion:149 Resp: 69083
Ion Ratio Lower Upper
149 100
150 8.7 7.4 11.0
104 4.2 3.5 5.3



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

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

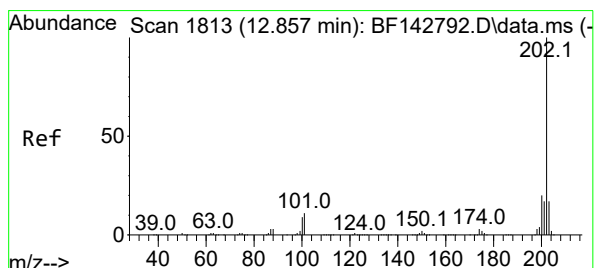
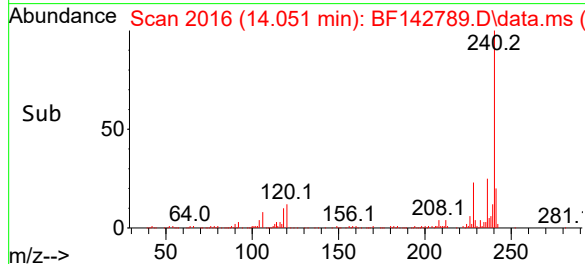
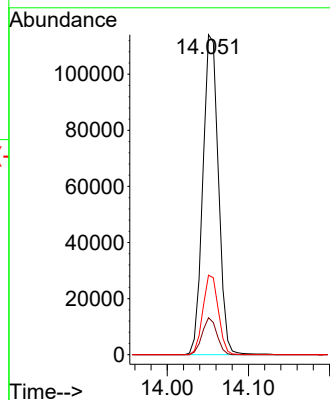
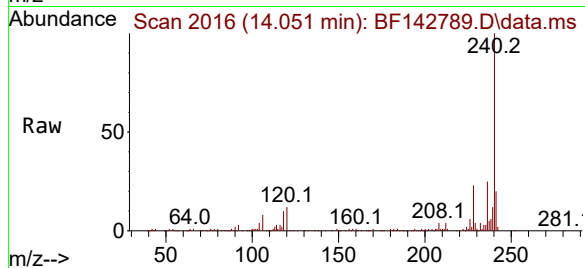




#76
Chrysene-d12
Concen: 20.000 ng
RT: 14.051 min Scan# 2016
Delta R.T. -0.006 min
Lab File: BF142789.D
Acq: 19 Jun 2025 17:38

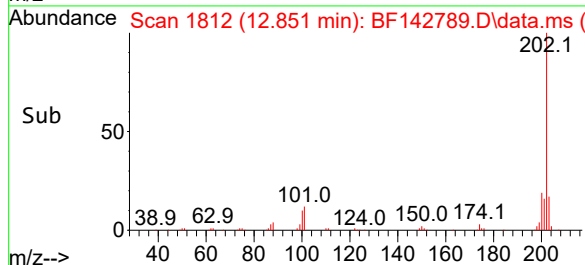
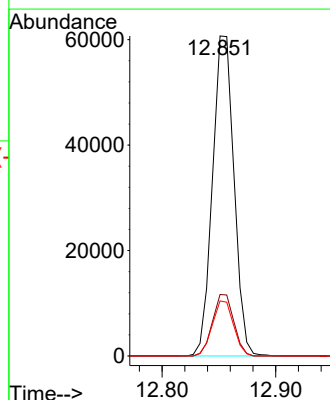
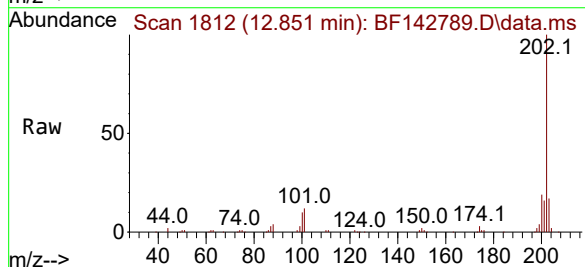
Instrument :
BNA_F
ClientSampleId :
SSTDICC005

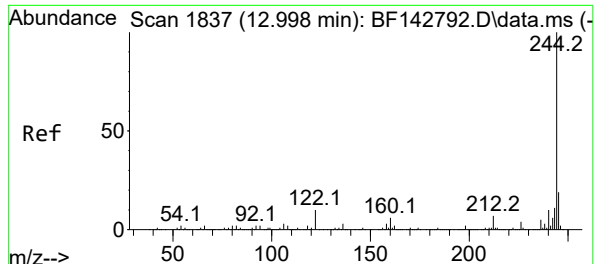
Tgt Ion:240 Resp: 151689
Ion Ratio Lower Upper
240 100
120 11.5 8.2 12.2
236 24.9 19.8 29.8



#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

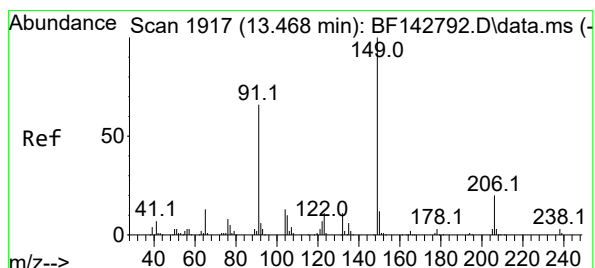
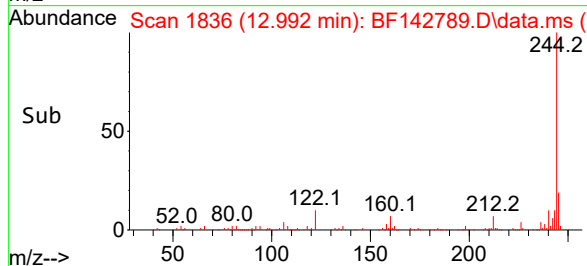
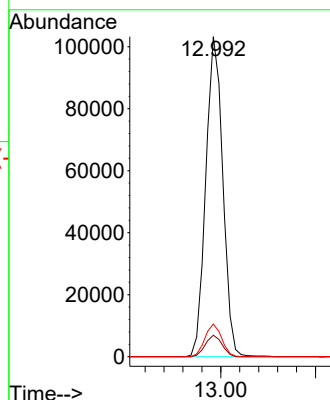
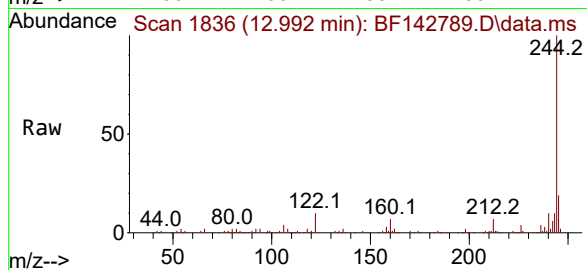
Tgt Ion:244 Resp: 128289

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

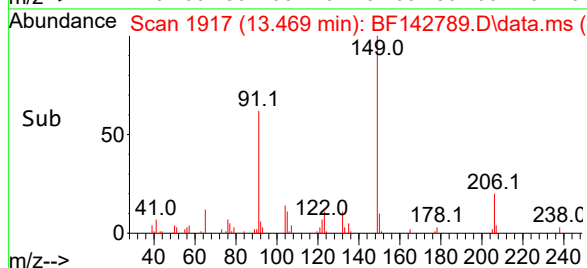
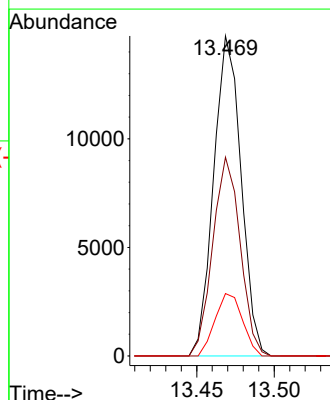
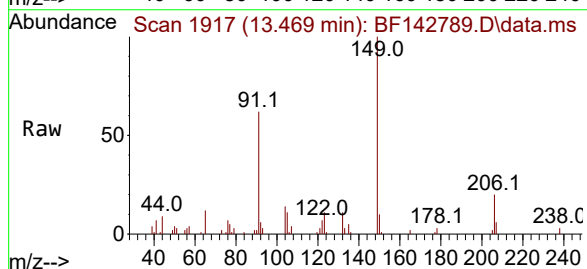
Tgt Ion:149 Resp: 18113

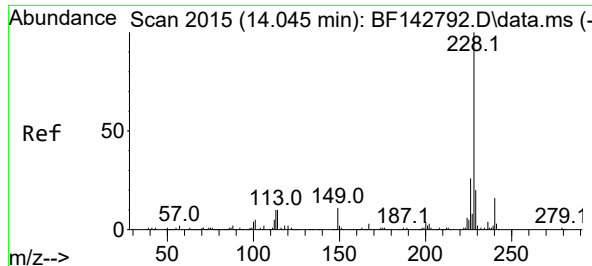
Ion Ratio Lower Upper

149 100

91 62.1 52.9 79.3

206 19.5 16.3 24.5

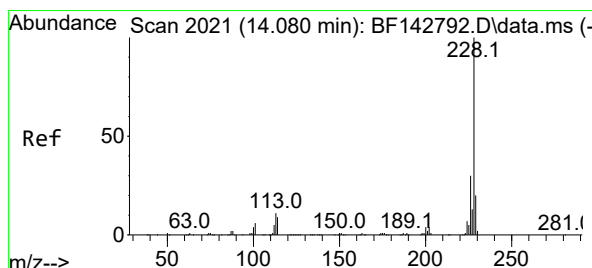
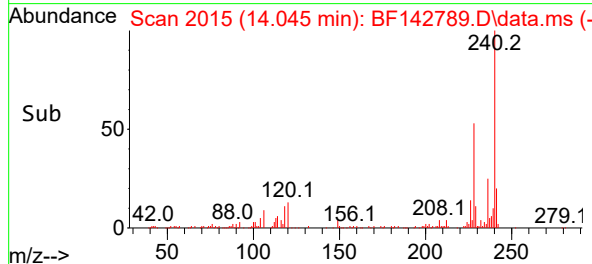
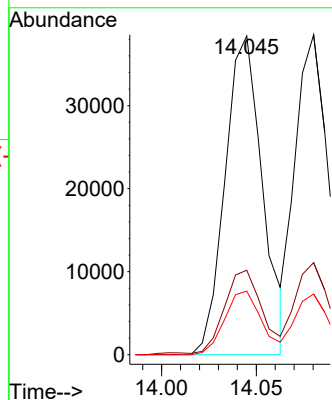
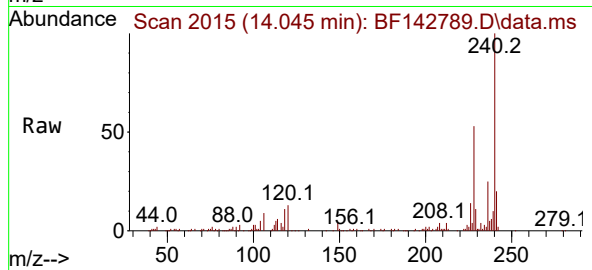




#81
Benzo(a)anthracene
Concen: 5.300 ng
RT: 14.045 min Scan# 2015
Delta R.T. 0.000 min
Lab File: BF142789.D
Acq: 19 Jun 2025 17:38

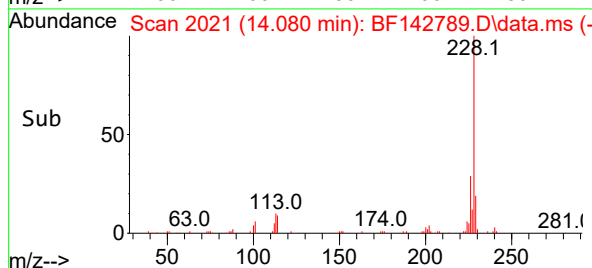
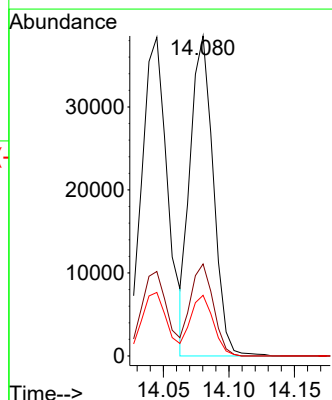
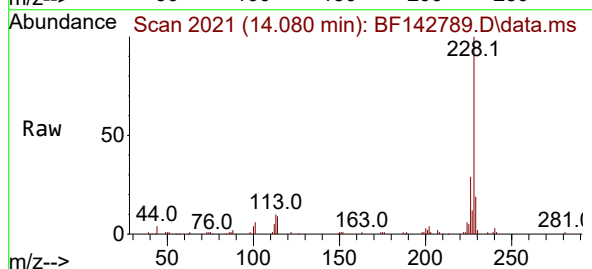
Instrument :
BNA_F
ClientSampleId :
SSTDICC005

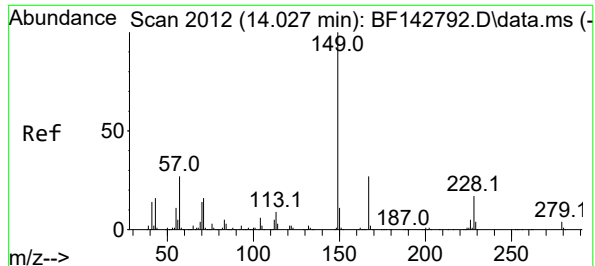
Tgt Ion:228 Resp: 52785
Ion Ratio Lower Upper
228 100
226 26.5 21.2 31.8
229 19.9 15.6 23.4



#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

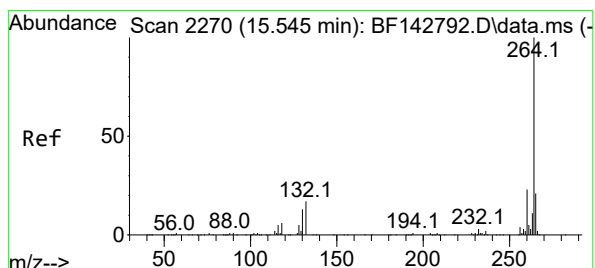
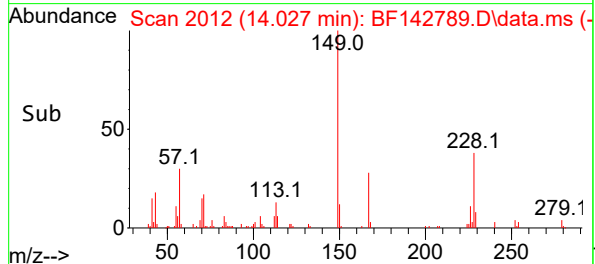
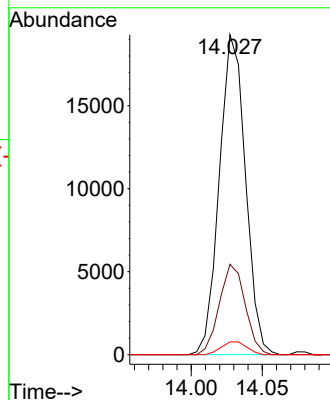
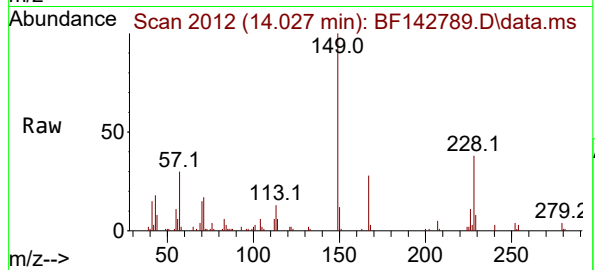




#84
Bis(2-ethylhexyl)phthalate
Concen: 4.002 ng
RT: 14.027 min Scan# 2012
Delta R.T. 0.000 min
Lab File: BF142789.D
Acq: 19 Jun 2025 17:38

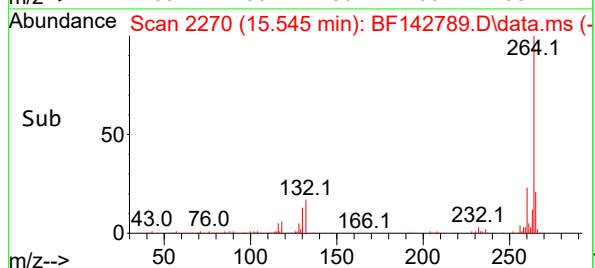
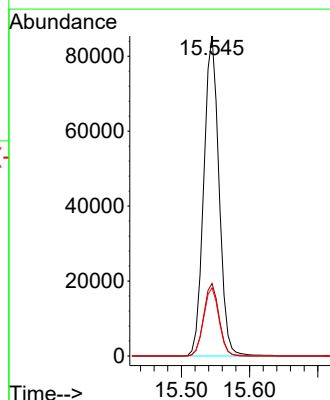
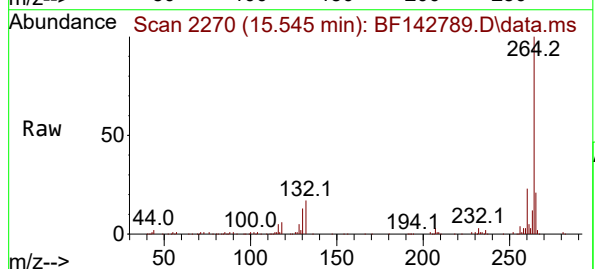
Instrument :
BNA_F
ClientSampleId :
SSTDICC005

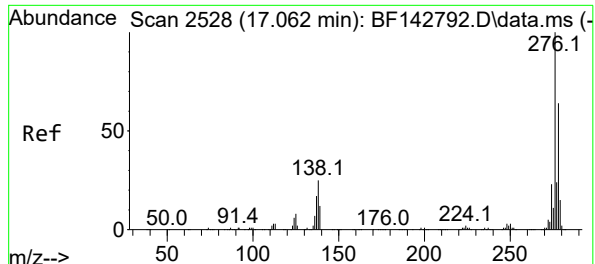
Tgt Ion:149 Resp: 24641
Ion Ratio Lower Upper
149 100
167 28.3 21.4 32.0
279 4.0 3.0 4.6



#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:264 Resp: 132284
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 :

SSTDIC005

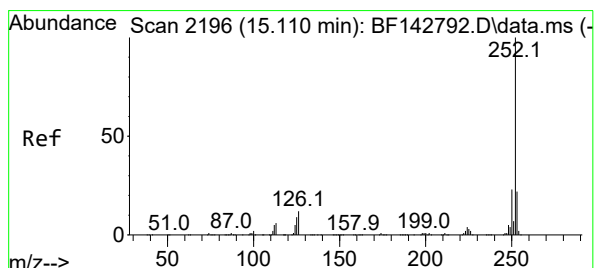
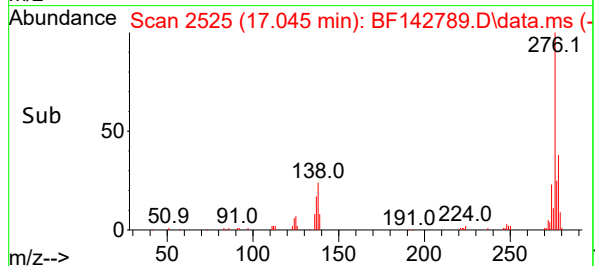
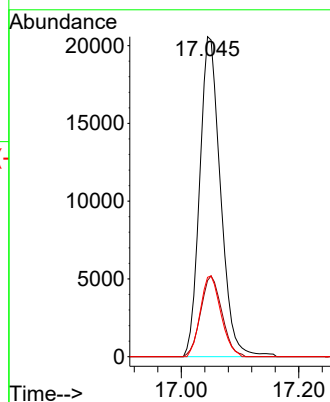
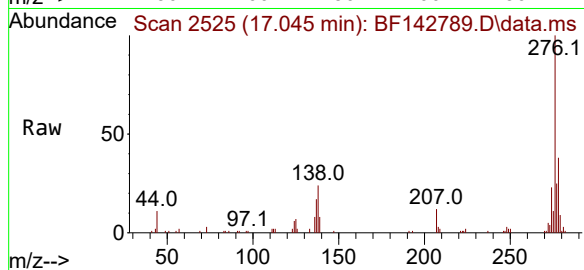
Tgt Ion:276 Resp: 50546

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

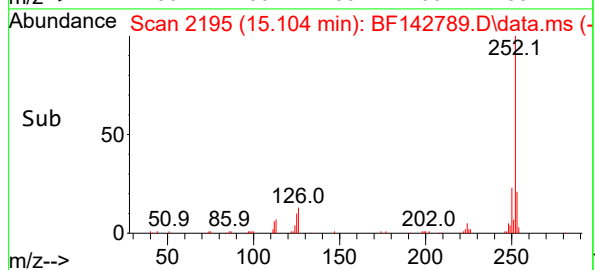
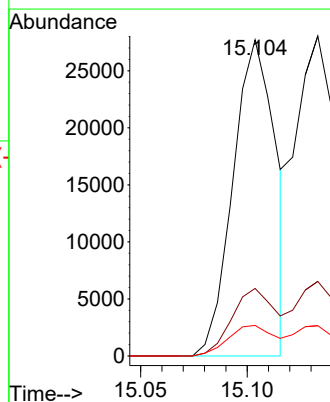
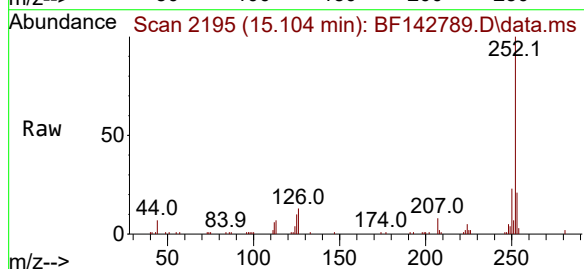
Tgt Ion:252 Resp: 38493

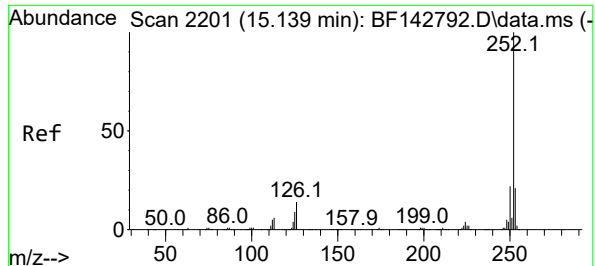
Ion Ratio Lower Upper

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

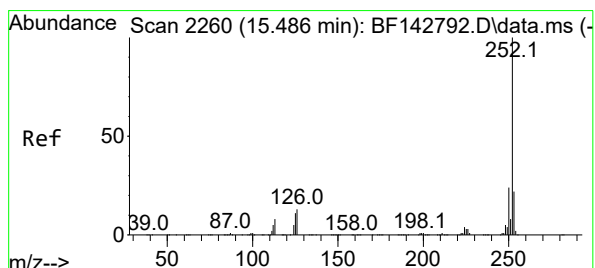
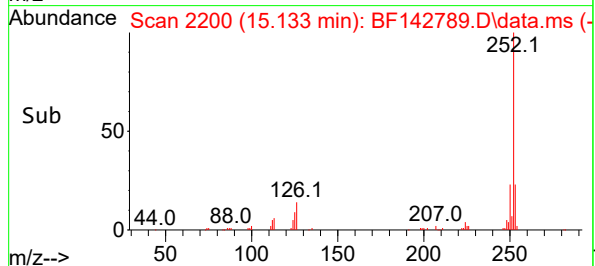
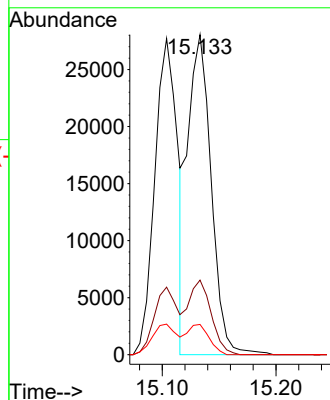
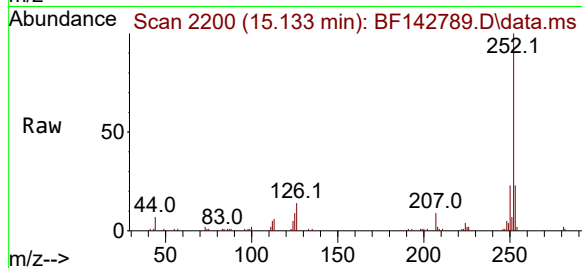
Tgt Ion:252 Resp: 39874

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

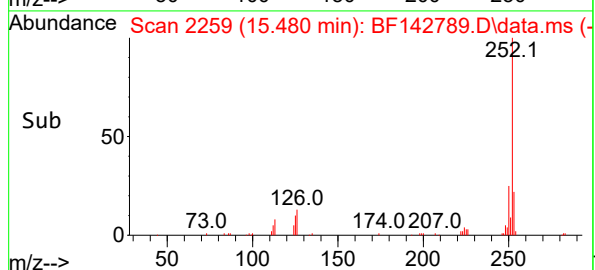
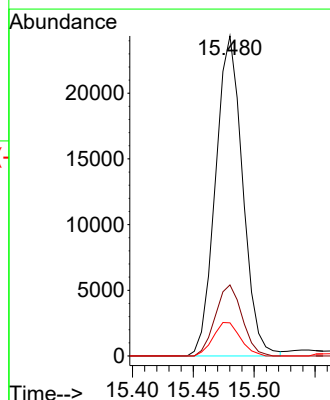
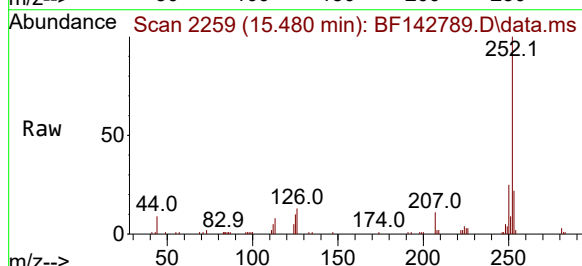
Tgt Ion:252 Resp: 37779

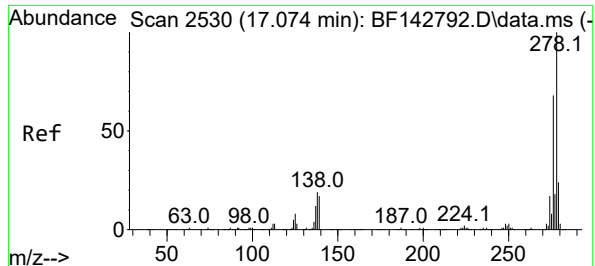
Ion Ratio Lower Upper

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

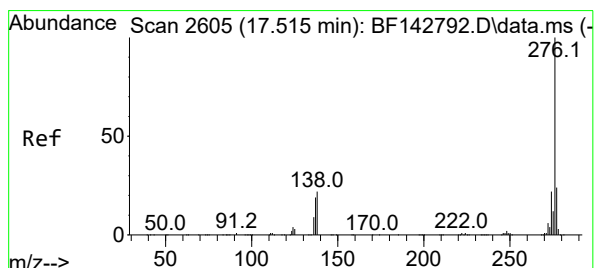
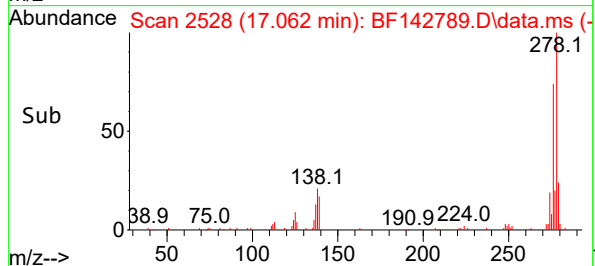
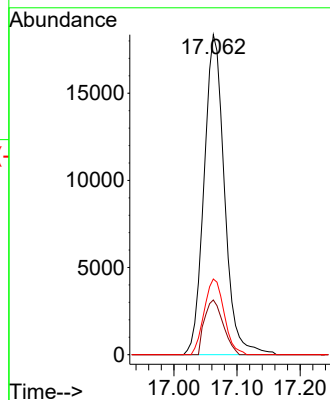
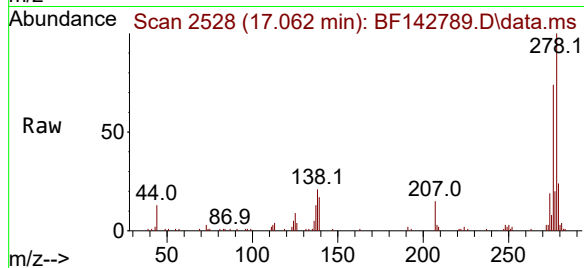
Tgt Ion:278 Resp: 41301

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

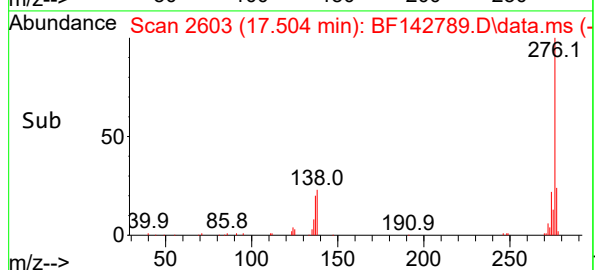
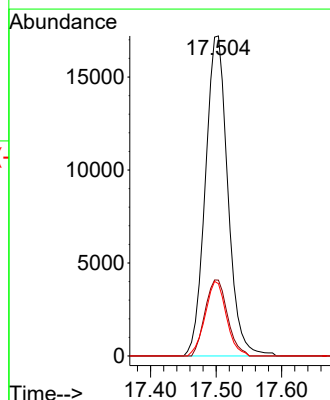
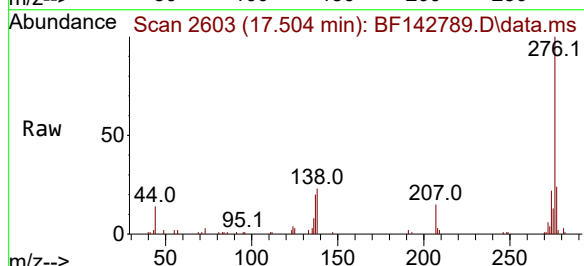
Tgt Ion:276 Resp: 40975

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

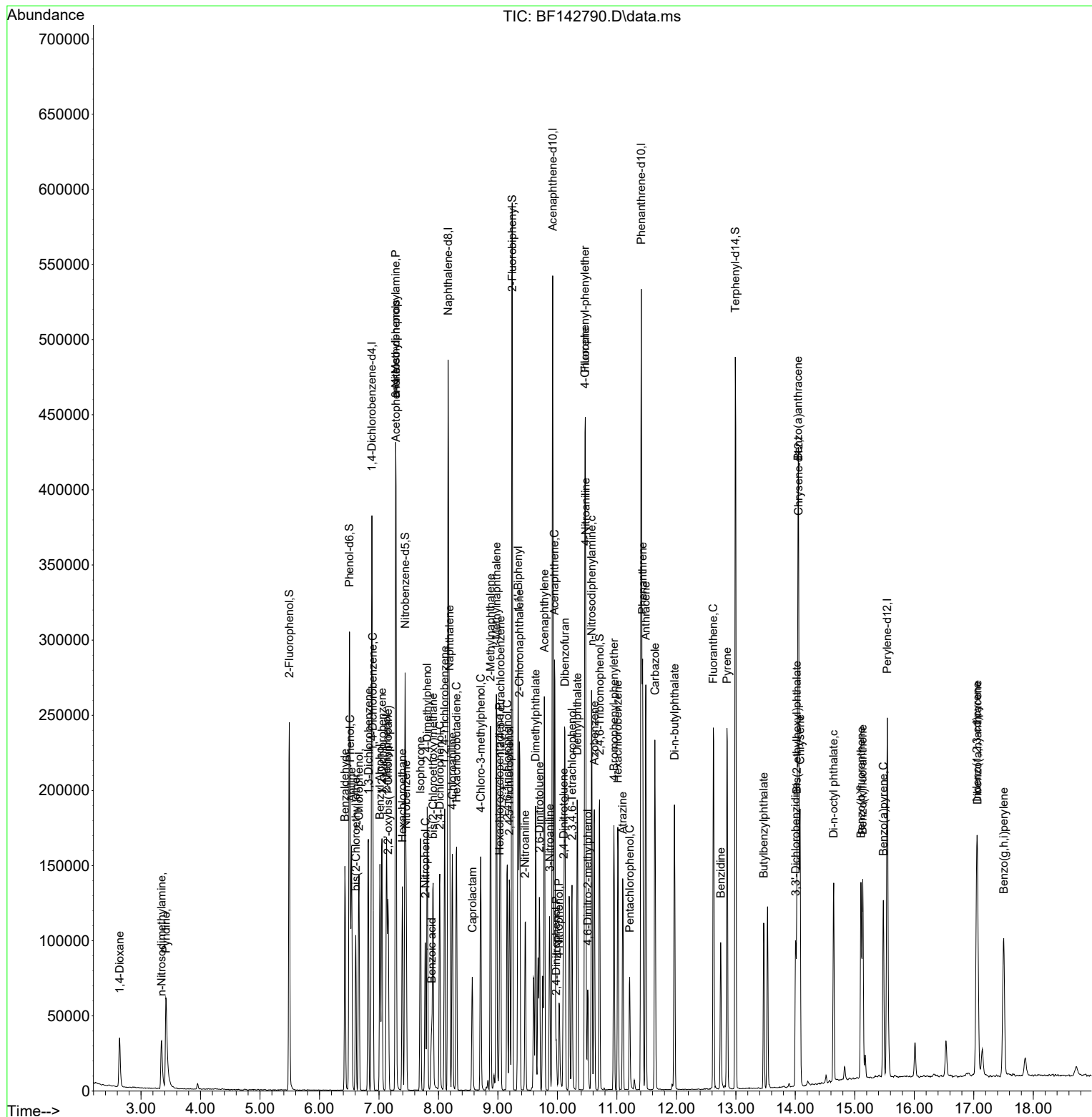
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
44) 2,4,5-Trichlorophenol	9.192	196	31900	9.987	ng	99
46) 1,1'-Biphenyl	9.339	154	127911	10.404	ng	98
47) 2-Chloronaphthalene	9.363	162	95194	10.493	ng	100
48) 2-Nitroaniline	9.457	65	26075	10.117	ng	98
49) Acenaphthylene	9.781	152	158842	10.415	ng	99
50) 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

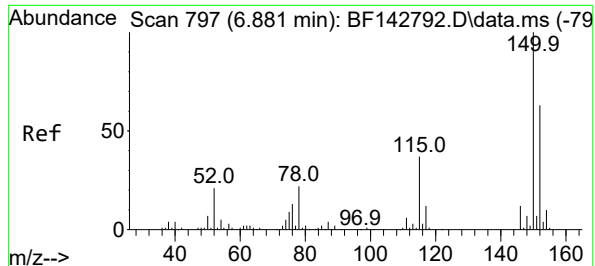
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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

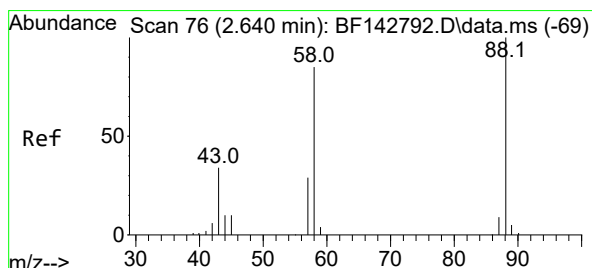
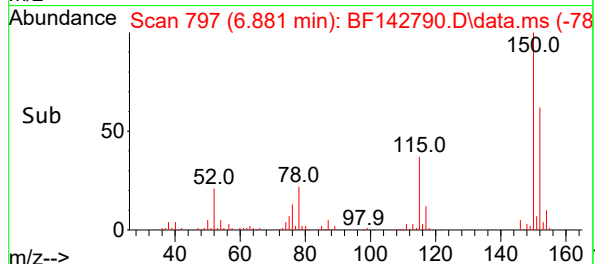
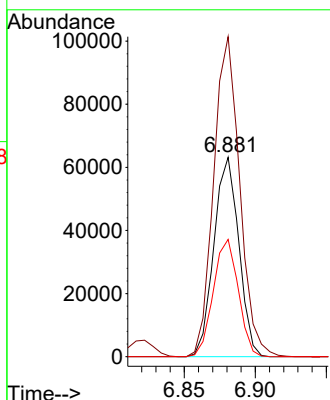
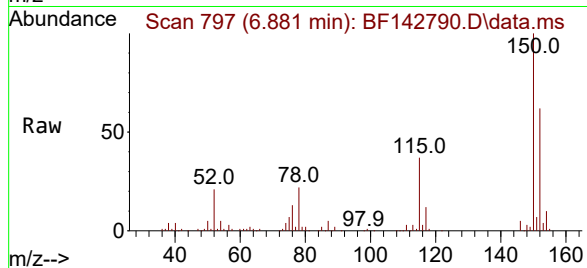




#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.881 min Scan# 79
Delta R.T. -0.000 min
Lab File: BF142790.D
Acq: 19 Jun 2025 18:08

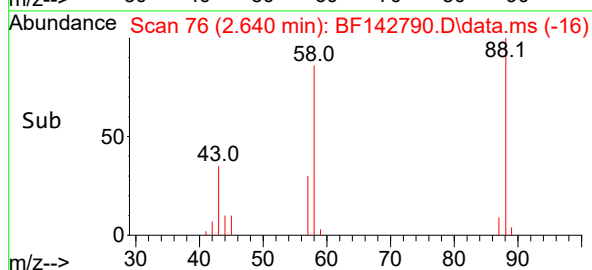
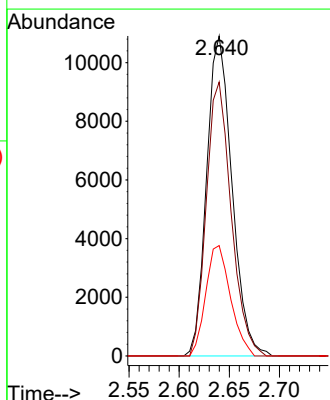
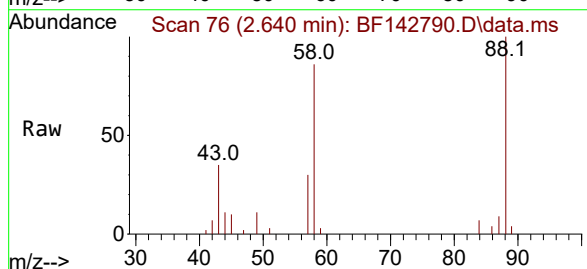
Instrument :
BNA_F
ClientSampleId :
SSTDICC010

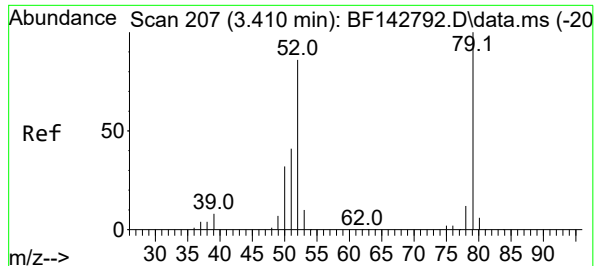
Tgt Ion:152 Resp: 76918
Ion Ratio Lower Upper
152 100
150 160.5 127.2 190.8
115 58.8 46.6 69.8



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

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





#3

Pyridine

Concen: 10.252 ng

RT: 3.416 min Scan# 20

Delta R.T. 0.006 min

Lab File: BF142790.D

Acq: 19 Jun 2025 18:08

Instrument :

BNA_F

ClientSampleId :

SSTDICC010

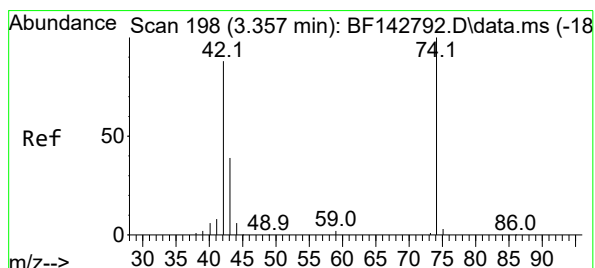
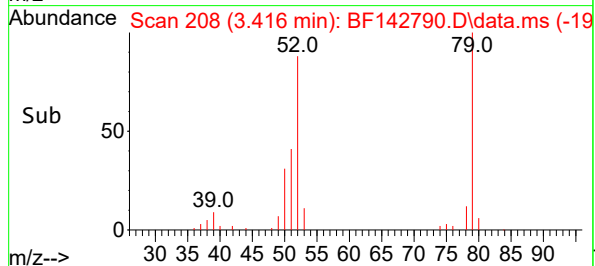
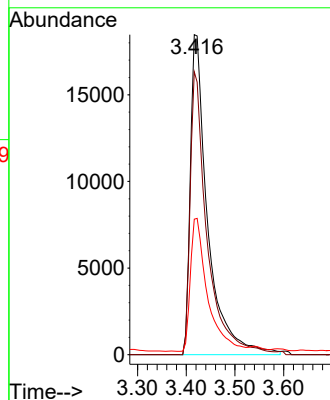
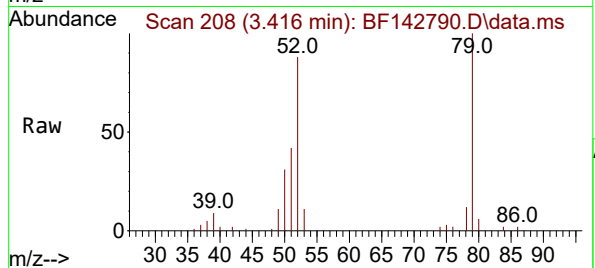
Tgt Ion: 79 Resp: 45966

Ion Ratio Lower Upper

79 100

52 88.4 69.2 103.8

51 42.4 33.2 49.8



#4

n-Nitrosodimethylamine

Concen: 10.216 ng

RT: 3.346 min Scan# 196

Delta R.T. -0.012 min

Lab File: BF142790.D

Acq: 19 Jun 2025 18:08

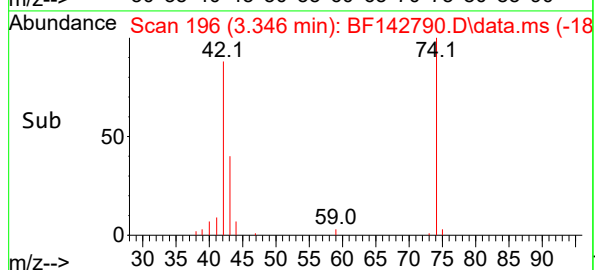
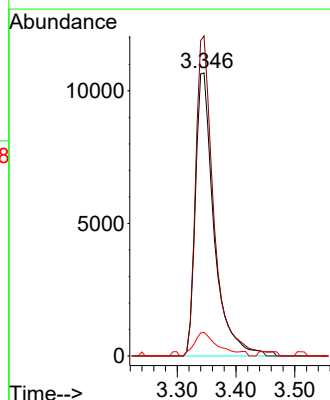
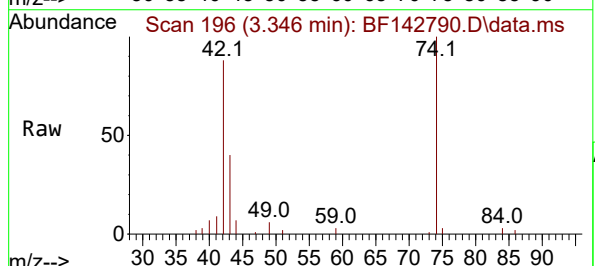
Tgt Ion: 42 Resp: 23459

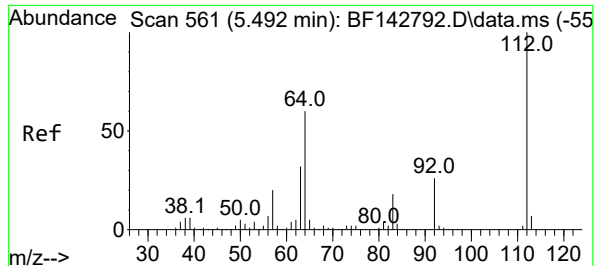
Ion Ratio Lower Upper

42 100

74 113.1 90.9 136.3

44 8.3 5.8 8.6





#5
2-Fluorophenol

Concen: 20.977 ng

RT: 5.493 min Scan# 50

Delta R.T. 0.000 min

Lab File: BF142790.D

Acq: 19 Jun 2025 18:08

Instrument :

BNA_F

ClientSampleId :

SSTDICC010

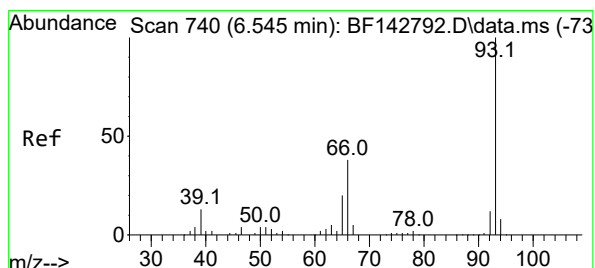
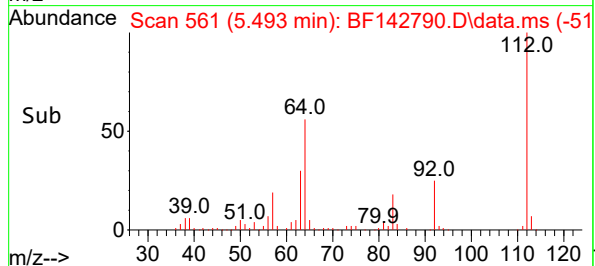
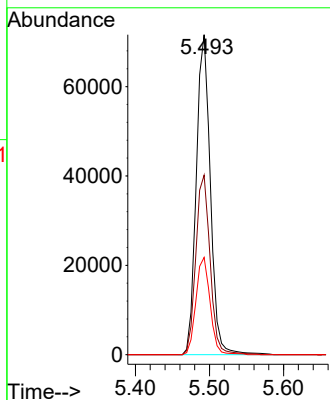
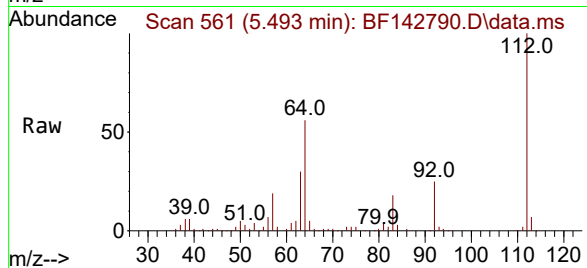
Tgt Ion:112 Resp: 94601

Ion Ratio Lower Upper

112 100

64 56.1 48.2 72.2

63 30.4 25.7 38.5



#6

Aniline

Concen: 10.537 ng

RT: 6.540 min Scan# 739

Delta R.T. -0.006 min

Lab File: BF142790.D

Acq: 19 Jun 2025 18:08

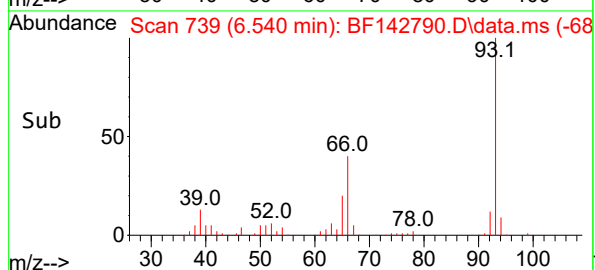
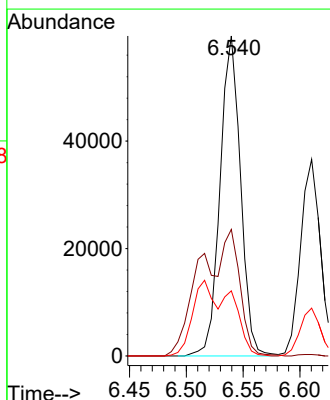
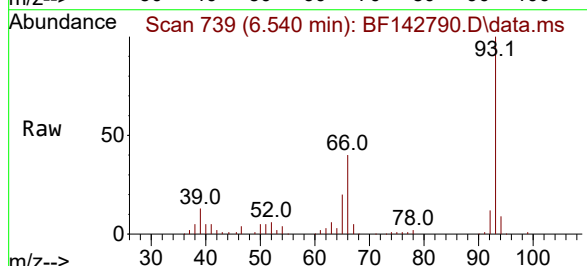
Tgt Ion: 93 Resp: 74779

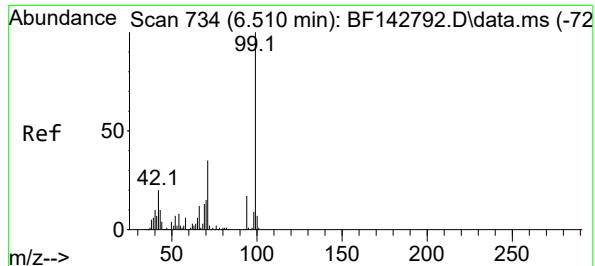
Ion Ratio Lower Upper

93 100

66 39.6 31.8 47.6

65 20.4 16.2 24.2





#7

Phenol-d6

Concen: 21.510 ng

RT: 6.504 min Scan# 71

Delta R.T. -0.006 min

Lab File: BF142790.D

Acq: 19 Jun 2025 18:08

Instrument :

BNA_F

ClientSampleId :

SSTDICC010

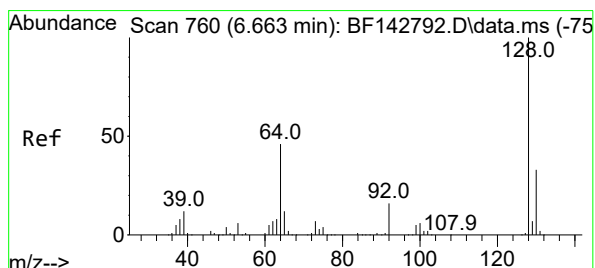
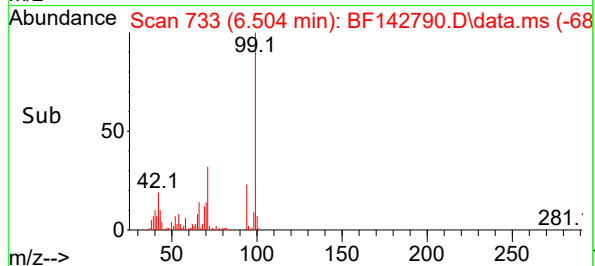
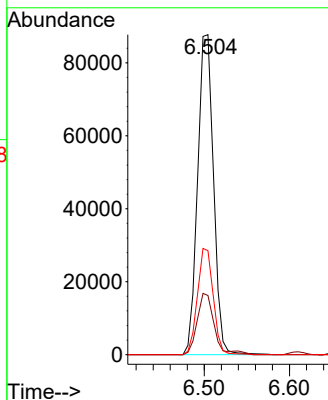
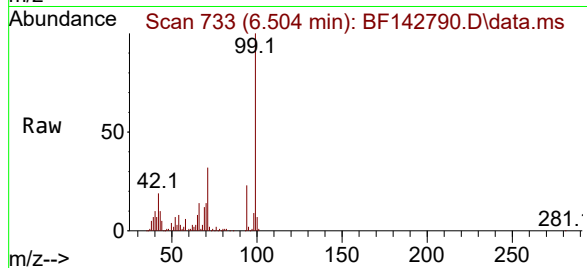
Tgt Ion: 99 Resp: 113910

Ion Ratio Lower Upper

99 100

42 18.5 15.9 23.9

71 32.5 27.8 41.8



#8

2-Chlorophenol

Concen: 10.208 ng

RT: 6.663 min Scan# 760

Delta R.T. 0.000 min

Lab File: BF142790.D

Acq: 19 Jun 2025 18:08

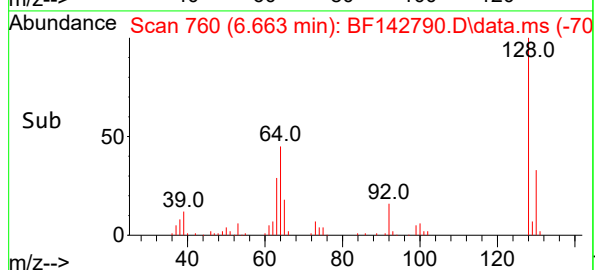
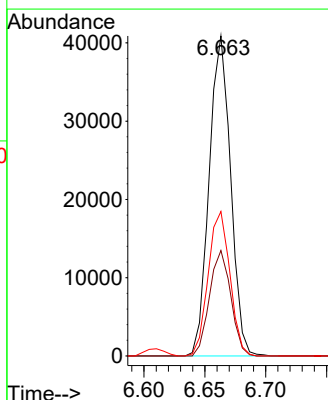
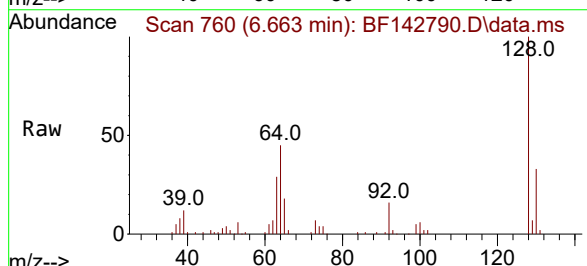
Tgt Ion:128 Resp: 50128

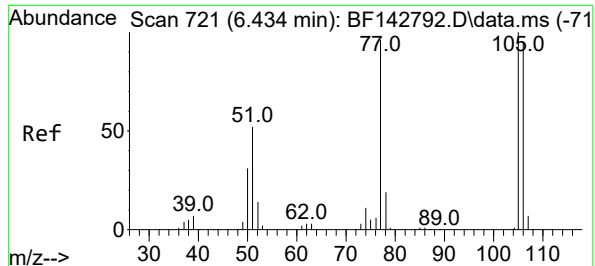
Ion Ratio Lower Upper

128 100

130 33.0 12.7 52.7

64 45.2 26.5 66.5

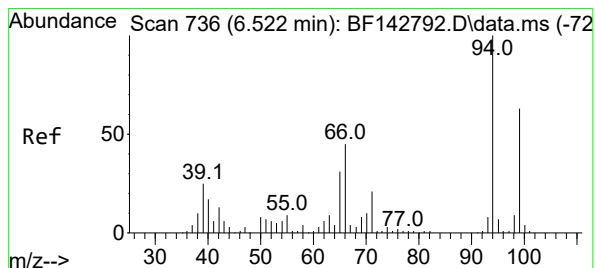
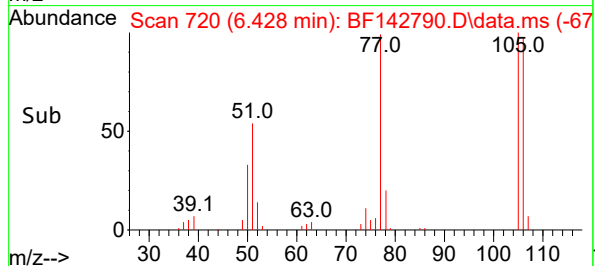
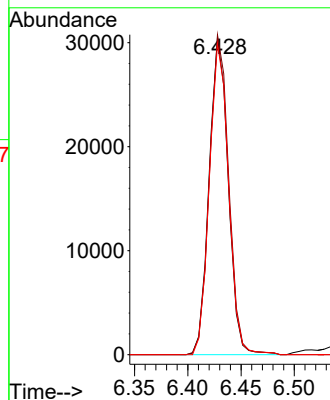
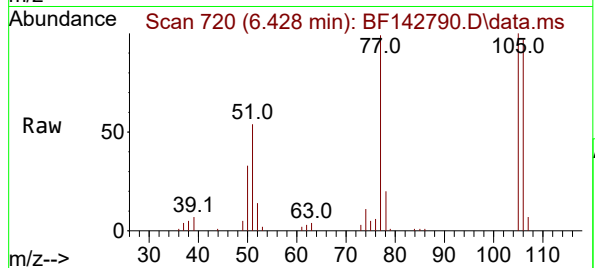




#9
Benzaldehyde
Concen: 11.768 ng
RT: 6.428 min Scan# 71
Delta R.T. -0.006 min
Lab File: BF142790.D
Acq: 19 Jun 2025 18:08

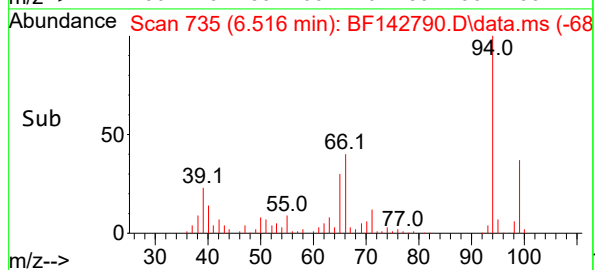
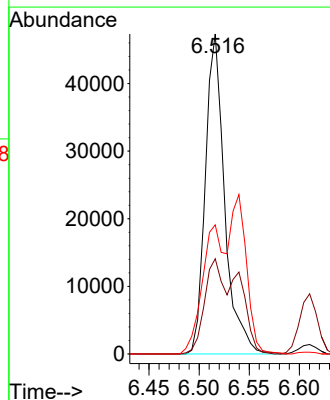
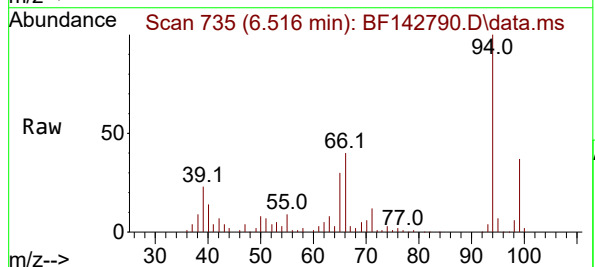
Instrument :
BNA_F
ClientSampleId :
SSTDICC010

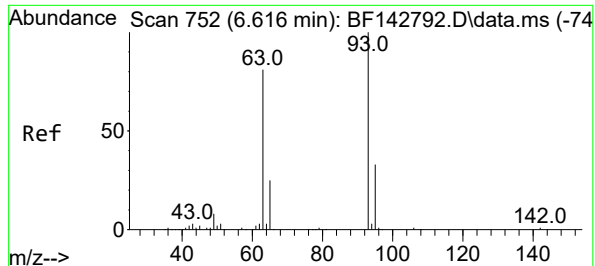
Tgt Ion: 77 Resp: 37993
Ion Ratio Lower Upper
77 100
105 100.8 83.8 123.8
106 98.1 78.7 118.7



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

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

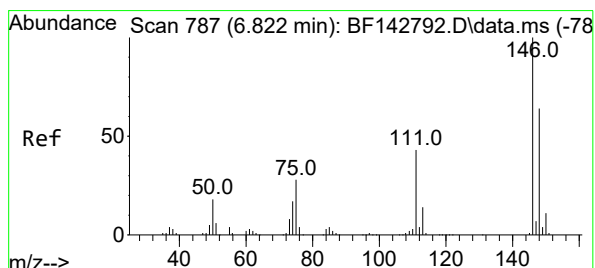
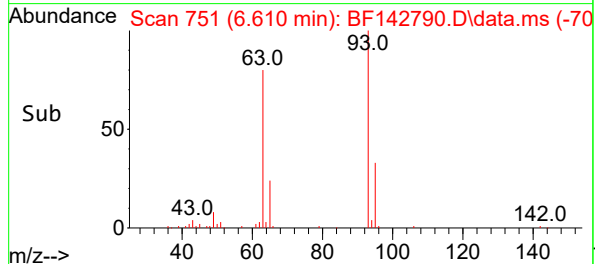
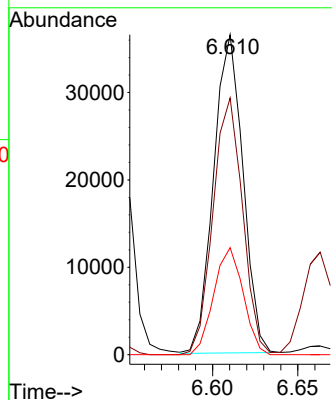
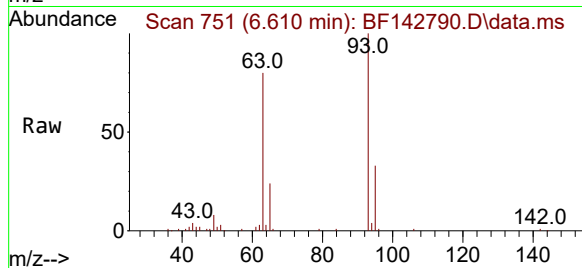




#11
bis(2-Chloroethyl)ether
Concen: 9.950 ng
RT: 6.610 min Scan# 751
Delta R.T. -0.006 min
Lab File: BF142790.D
Acq: 19 Jun 2025 18:08

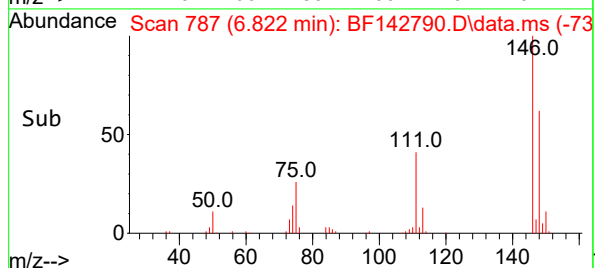
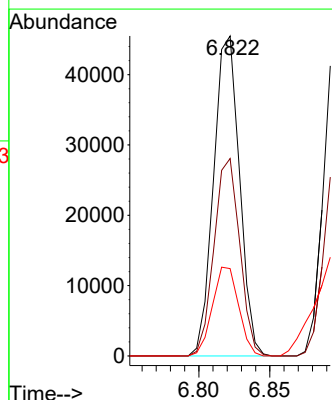
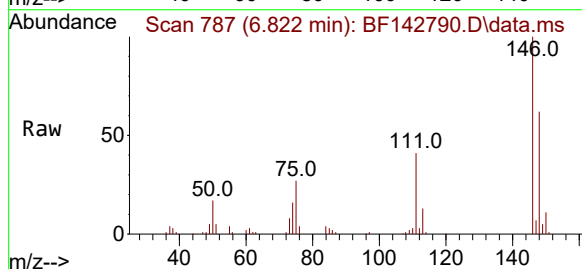
Instrument :
BNA_F
ClientSampleId :
SSTDICC010

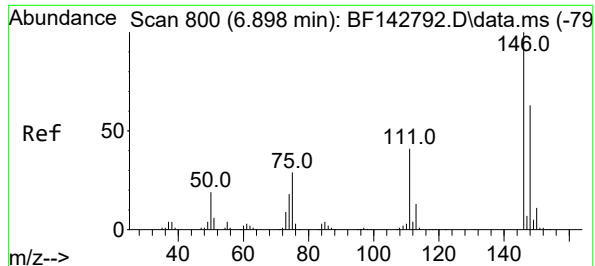
Tgt Ion: 93 Resp: 43585
Ion Ratio Lower Upper
93 100
63 80.2 60.3 100.3
95 33.5 12.5 52.5



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

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





#13

1,4-Dichlorobenzene

Concen: 10.149 ng

RT: 6.898 min Scan# 800

Delta R.T. 0.000 min

Lab File: BF142790.D

Acq: 19 Jun 2025 18:08

Instrument :

BNA_F

ClientSampleId :

SSTDICC010

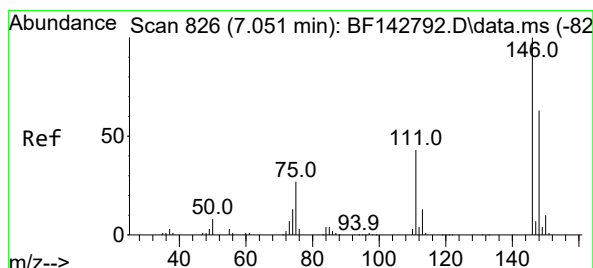
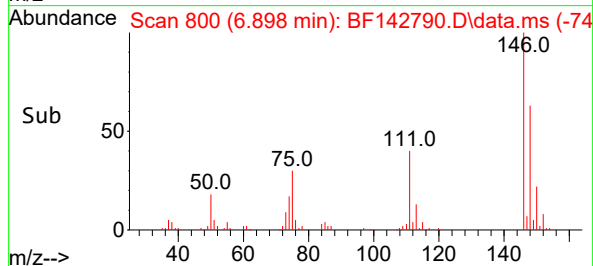
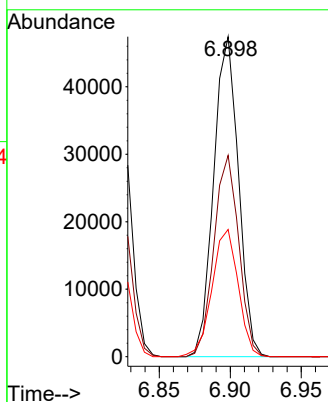
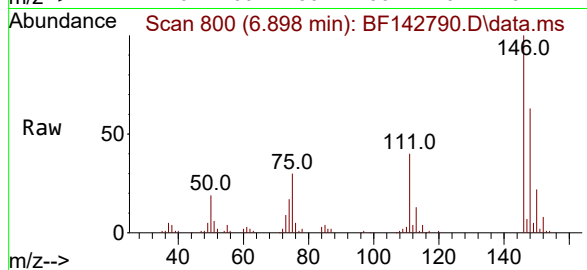
Tgt Ion:146 Resp: 57522

Ion Ratio Lower Upper

146 100

148 62.9 50.2 75.2

111 39.8 33.2 49.8



#14

1,2-Dichlorobenzene

Concen: 10.091 ng

RT: 7.051 min Scan# 826

Delta R.T. 0.000 min

Lab File: BF142790.D

Acq: 19 Jun 2025 18:08

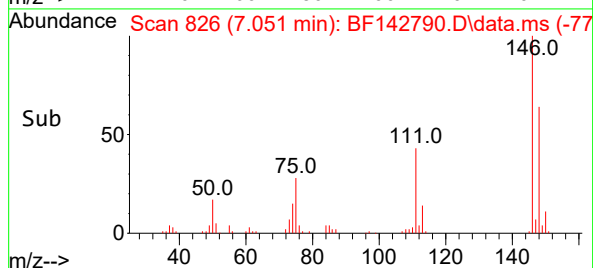
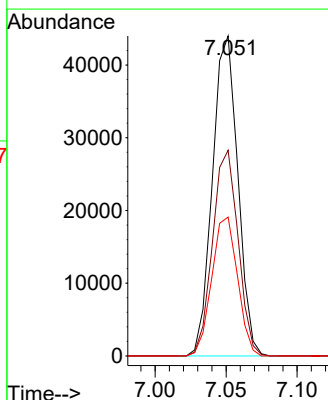
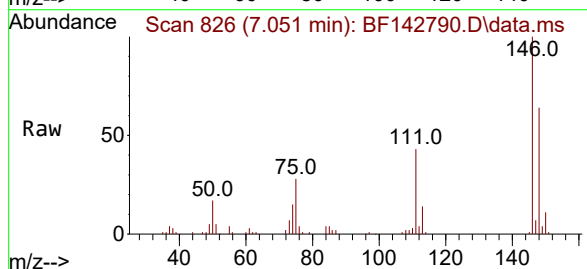
Tgt Ion:146 Resp: 54672

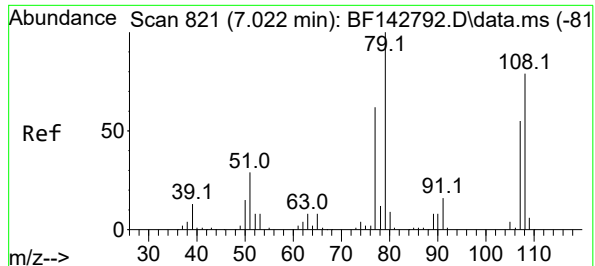
Ion Ratio Lower Upper

146 100

148 64.3 50.4 75.6

111 43.4 34.1 51.1





#15

Benzyl Alcohol

Concen: 9.927 ng

RT: 7.016 min Scan# 81

Delta R.T. -0.006 min

Lab File: BF142790.D

Acq: 19 Jun 2025 18:08

Instrument :

BNA_F

ClientSampleId :

SSTDIC010

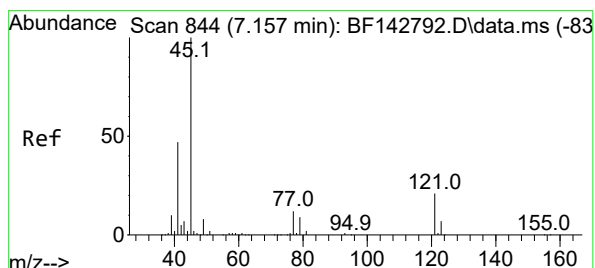
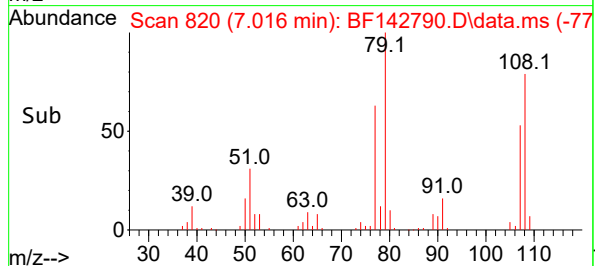
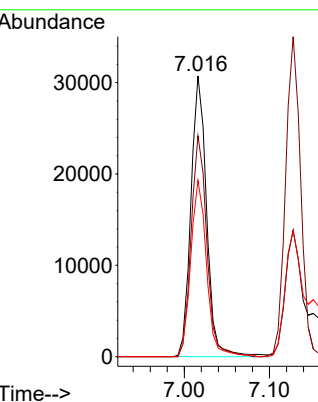
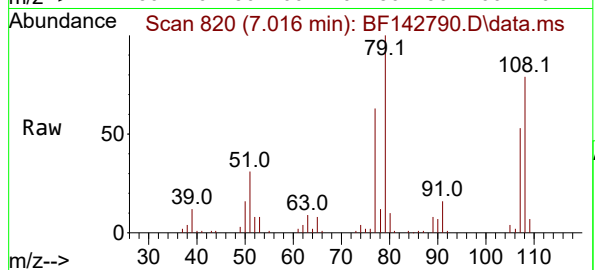
Tgt Ion: 79 Resp: 39348

Ion Ratio Lower Upper

79 100

108 78.7 63.4 95.0

77 62.8 49.5 74.3



#16

2,2'-oxybis(1-Chloropropane)

Concen: 10.417 ng

RT: 7.151 min Scan# 843

Delta R.T. -0.006 min

Lab File: BF142790.D

Acq: 19 Jun 2025 18:08

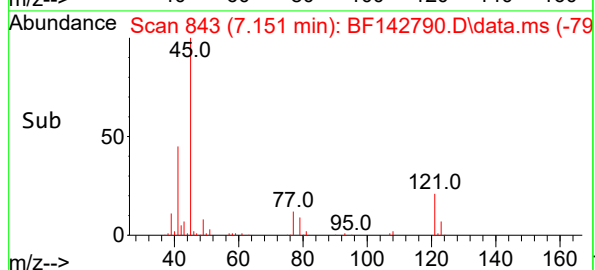
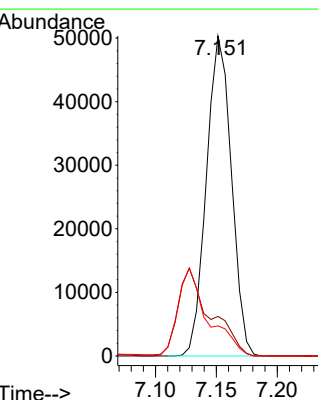
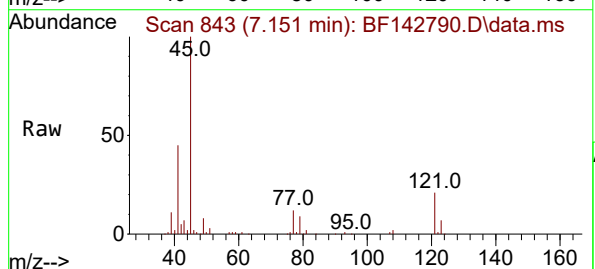
Tgt Ion: 45 Resp: 71897

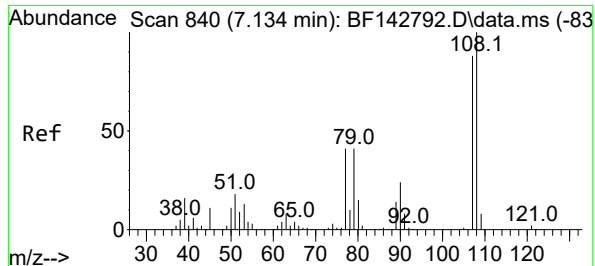
Ion Ratio Lower Upper

45 100

77 12.4 0.0 32.8

79 9.4 0.0 29.8

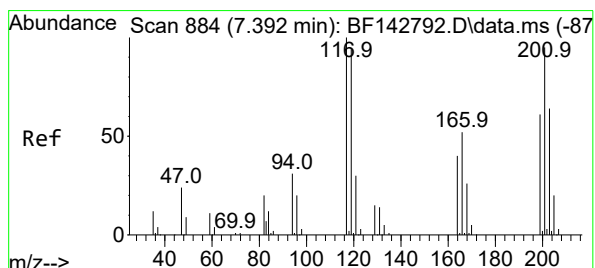
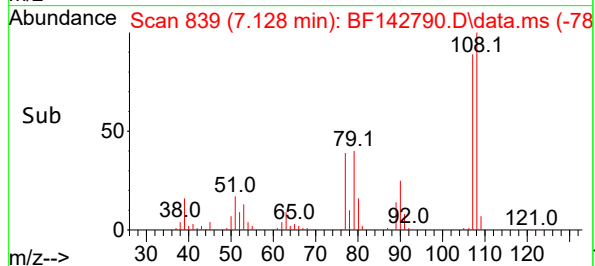
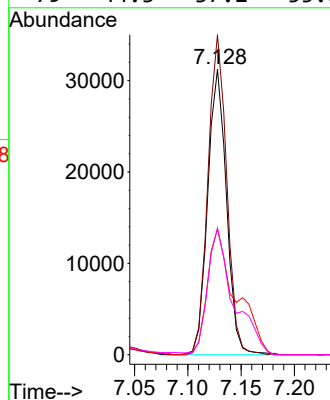
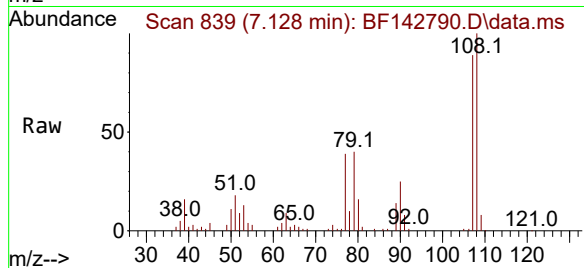




#17
2-Methylphenol
Concen: 10.217 ng
RT: 7.128 min Scan# 81
Delta R.T. -0.006 min
Lab File: BF142790.D
Acq: 19 Jun 2025 18:08

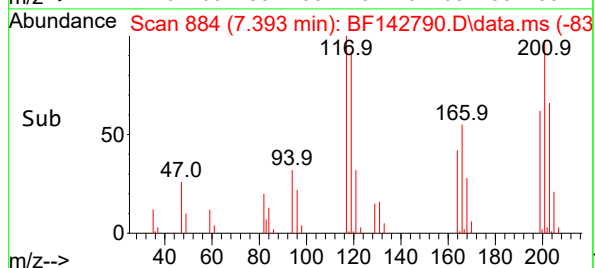
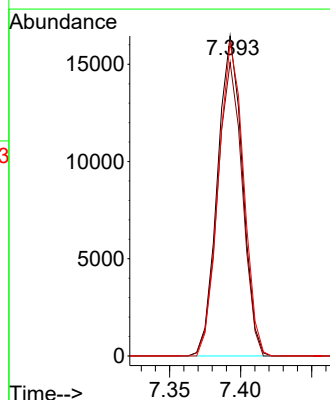
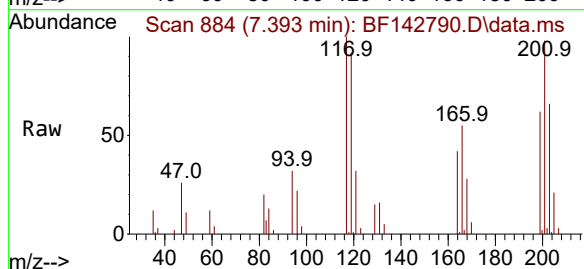
Instrument :
BNA_F
ClientSampleId :
SSTDICC010

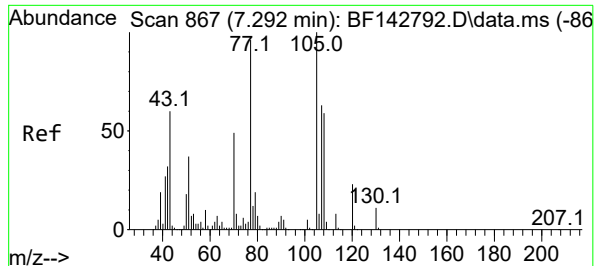
Tgt Ion:107 Resp: 38357
Ion Ratio Lower Upper
107 100
108 112.1 90.9 136.3
77 44.1 37.3 55.9
79 44.3 37.2 55.8



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

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





#19

n-Nitroso-di-n-propylamine

Concen: 9.670 ng

RT: 7.281 min Scan# 865

Delta R.T. -0.012 min

Lab File: BF142790.D

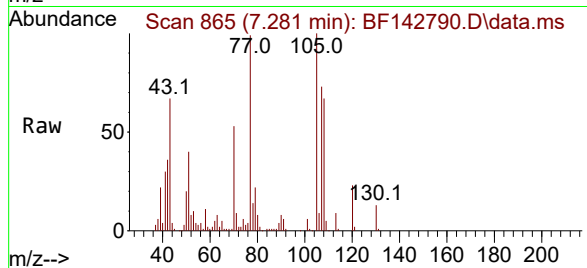
Acq: 19 Jun 2025 18:08

Instrument :

BNA_F

ClientSampleId :

SSTDICC010



Tgt Ion: 70 Resp: 32293

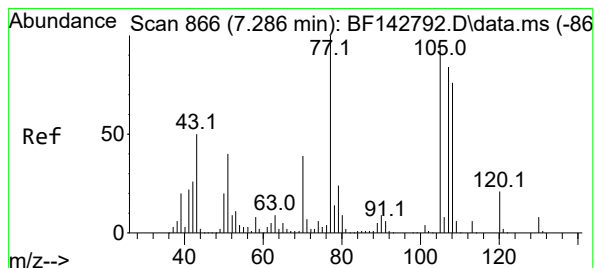
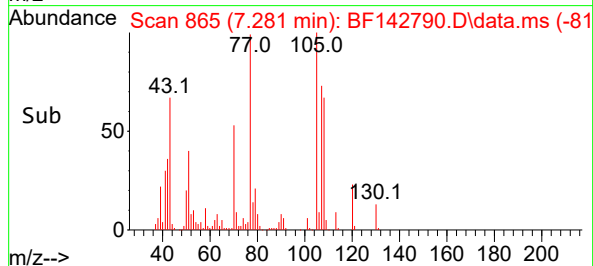
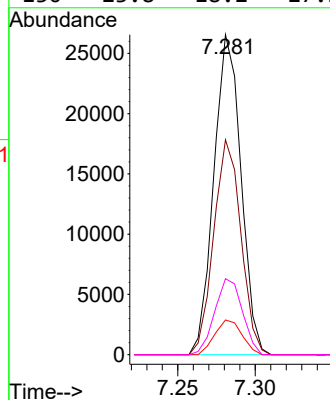
Ion Ratio Lower Upper

70 100

42 67.1 52.1 78.1

101 10.9 8.2 12.2

130 23.8 18.2 27.2



#20

3+4-Methylphenols

Concen: 10.513 ng

RT: 7.281 min Scan# 865

Delta R.T. -0.006 min

Lab File: BF142790.D

Acq: 19 Jun 2025 18:08

Tgt Ion: 107 Resp: 49675

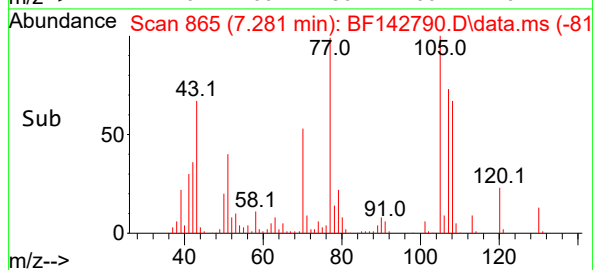
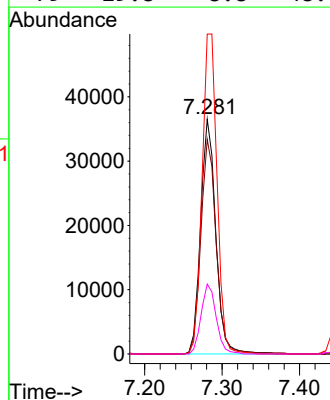
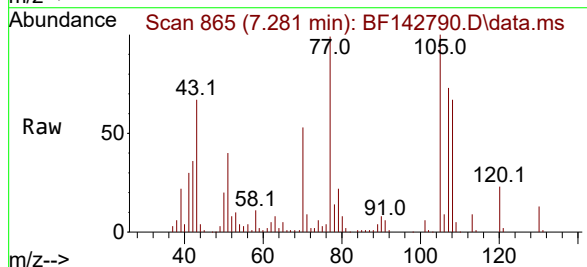
Ion Ratio Lower Upper

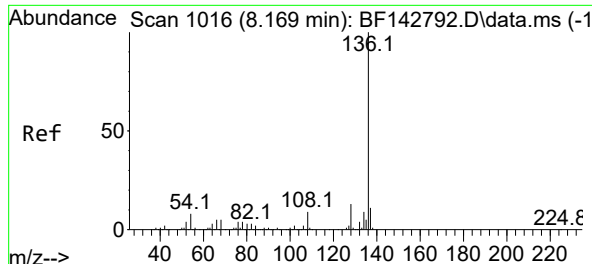
107 100

108 91.4 70.0 110.0

77 136.2 98.5 138.5

79 29.8 8.8 48.8





#21

Naphthalene-d8

Concen: 20.000 ng

RT: 8.163 min Scan# 1016

Delta R.T. -0.006 min

Lab File: BF142790.D

Acq: 19 Jun 2025 18:08

Instrument :

BNA_F

ClientSampleId :

SSTDIC010

Tgt Ion:136 Resp: 299903

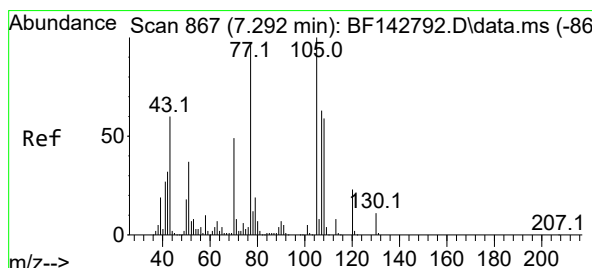
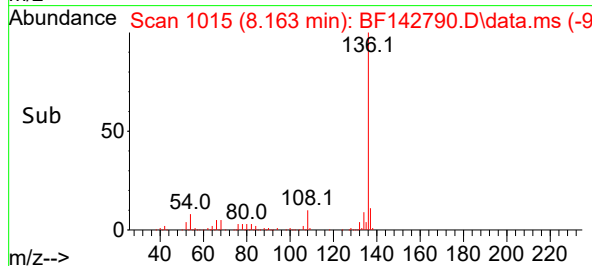
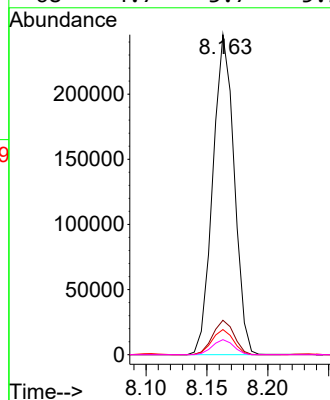
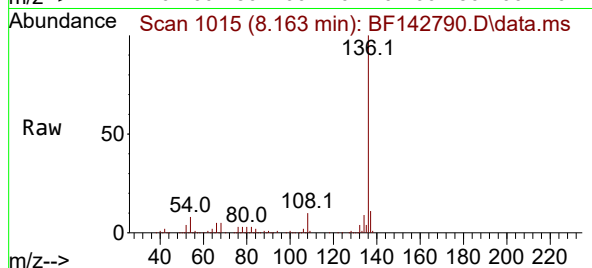
Ion Ratio Lower Upper

136 100

137 10.8 8.4 12.6

54 7.9 6.3 9.5

68 4.7 3.7 5.5



#22

Acetophenone

Concen: 10.197 ng

RT: 7.287 min Scan# 866

Delta R.T. -0.006 min

Lab File: BF142790.D

Acq: 19 Jun 2025 18:08

Tgt Ion:105 Resp: 67666

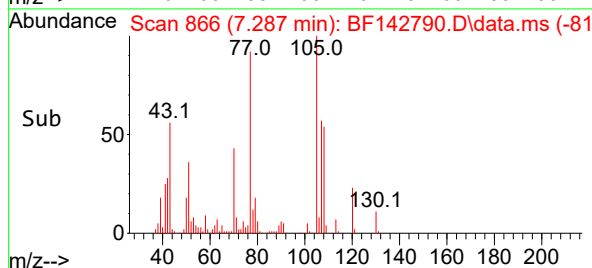
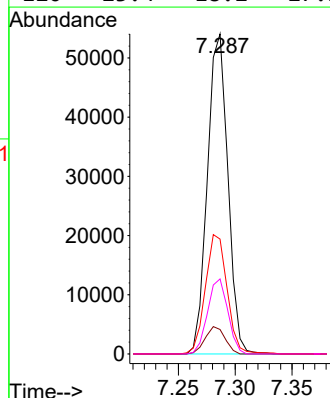
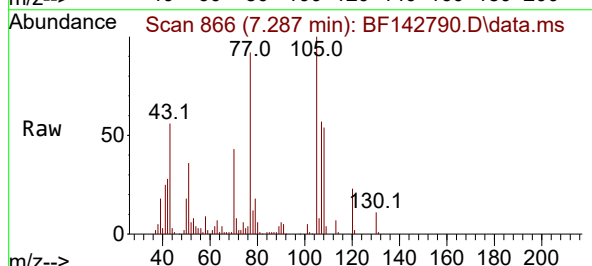
Ion Ratio Lower Upper

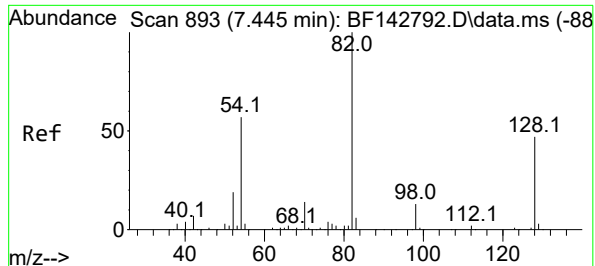
105 100

71 7.7 6.5 9.7

51 35.9 29.8 44.8

120 23.4 18.2 27.2





#23

Nitrobenzene-d5

Concen: 19.832 ng

RT: 7.440 min Scan# 891

Delta R.T. -0.006 min

Lab File: BF142790.D

Acq: 19 Jun 2025 18:08

Instrument :

BNA_F

ClientSampleId :

SSTDIC010

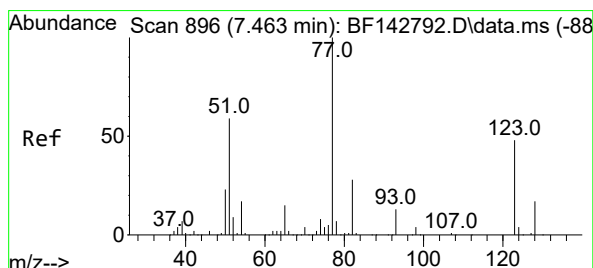
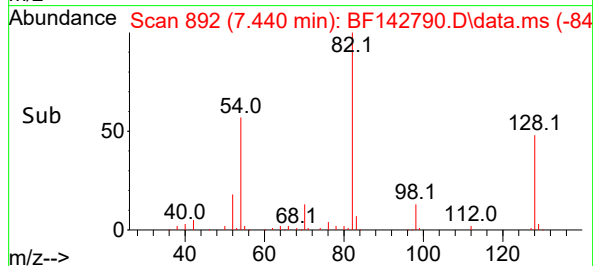
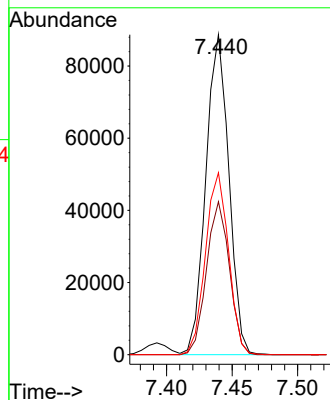
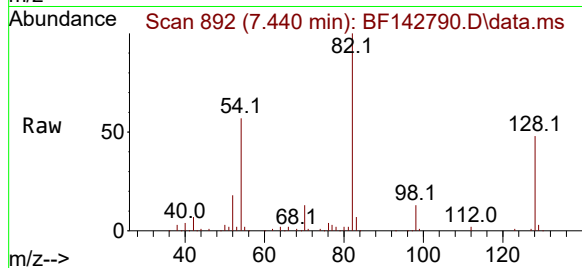
Tgt Ion: 82 Resp: 108508

Ion Ratio Lower Upper

82 100

128 47.8 37.7 56.5

54 56.9 45.7 68.5



#24

Nitrobenzene

Concen: 10.034 ng

RT: 7.457 min Scan# 895

Delta R.T. -0.006 min

Lab File: BF142790.D

Acq: 19 Jun 2025 18:08

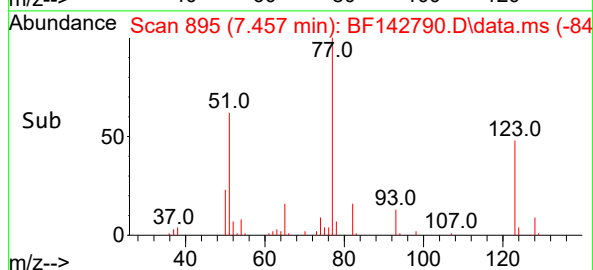
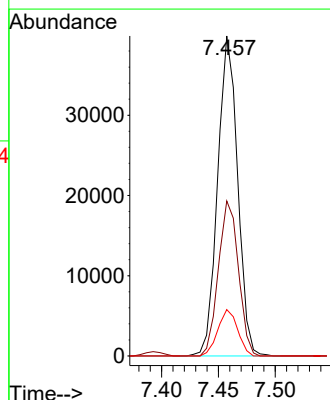
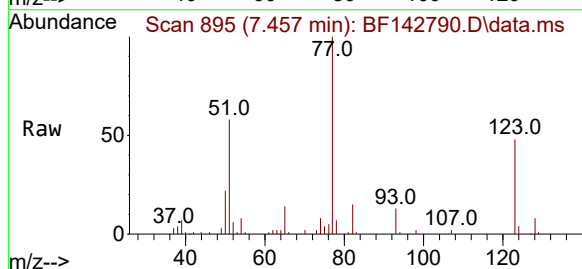
Tgt Ion: 77 Resp: 48789

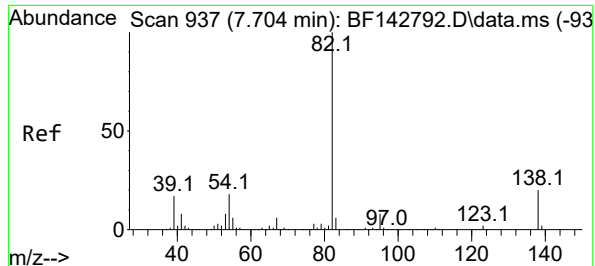
Ion Ratio Lower Upper

77 100

123 48.5 39.2 58.8

65 14.5 11.6 17.4

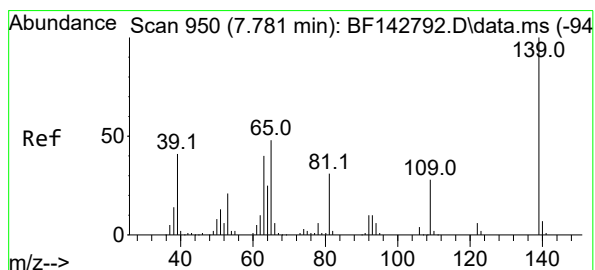
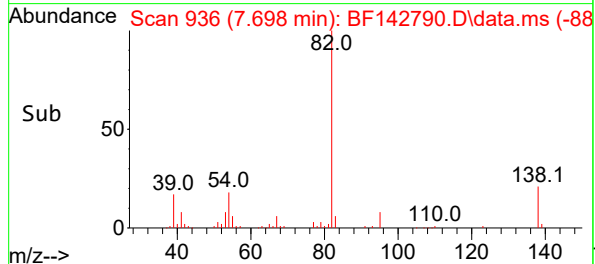
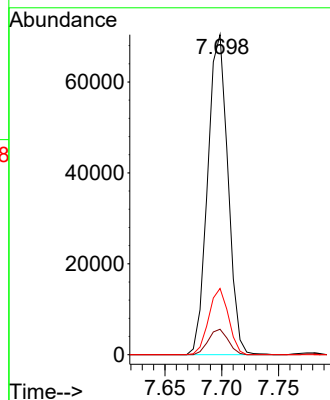
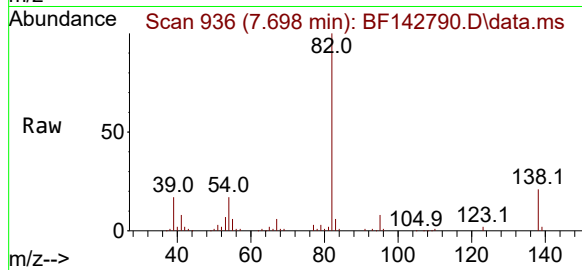




#25
Isophorone
Concen: 9.504 ng
RT: 7.698 min Scan# 91
Delta R.T. -0.006 min
Lab File: BF142790.D
Acq: 19 Jun 2025 18:08

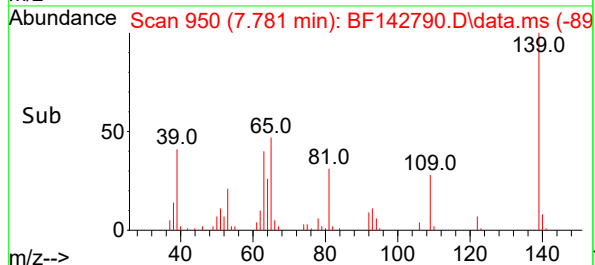
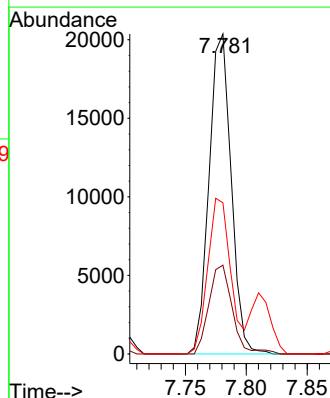
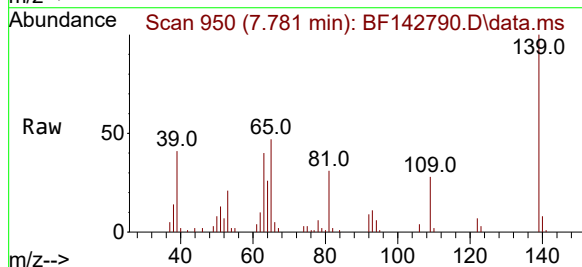
Instrument :
BNA_F
ClientSampleId :
SSTDICC010

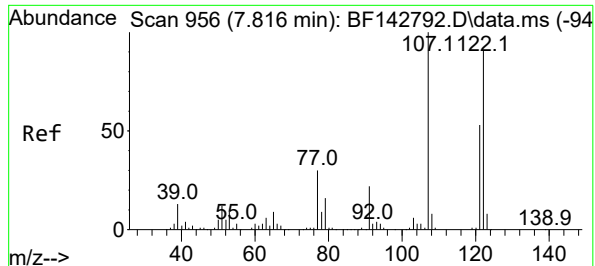
Tgt Ion: 82 Resp: 87205
Ion Ratio Lower Upper
82 100
95 8.0 6.2 9.2
138 20.7 16.2 24.4



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

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





#27

2,4-Dimethylphenol

Concen: 10.071 ng

RT: 7.810 min Scan# 91

Delta R.T. -0.006 min

Lab File: BF142790.D

Acq: 19 Jun 2025 18:08

Instrument :

BNA_F

ClientSampleId :

SSTDICC010

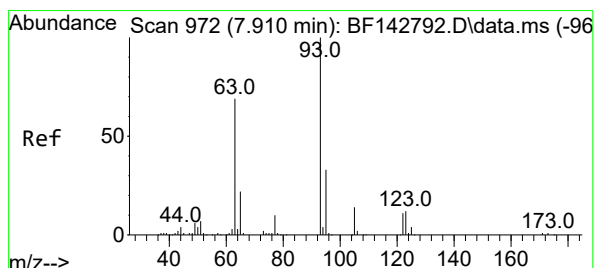
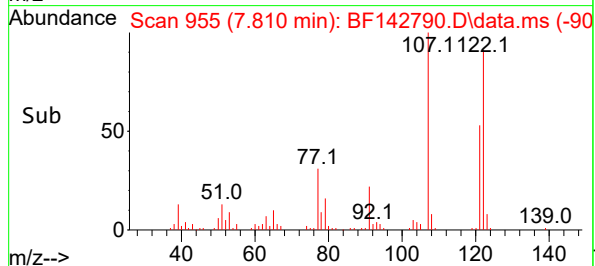
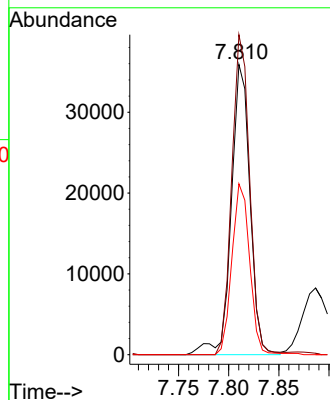
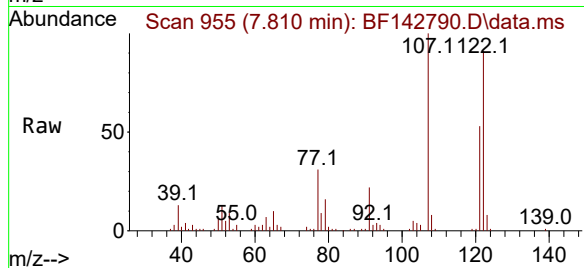
Tgt Ion:122 Resp: 46454

Ion Ratio Lower Upper

122 100

107 110.2 88.0 132.0

121 58.9 46.3 69.5



#28

bis(2-Chloroethoxy)methane

Concen: 9.788 ng

RT: 7.910 min Scan# 972

Delta R.T. 0.000 min

Lab File: BF142790.D

Acq: 19 Jun 2025 18:08

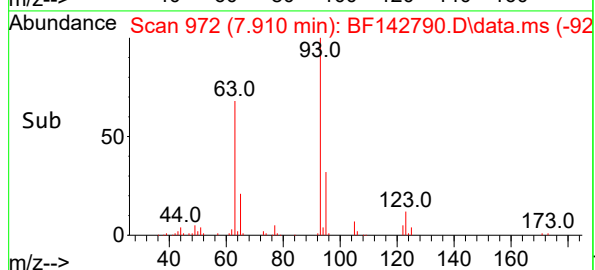
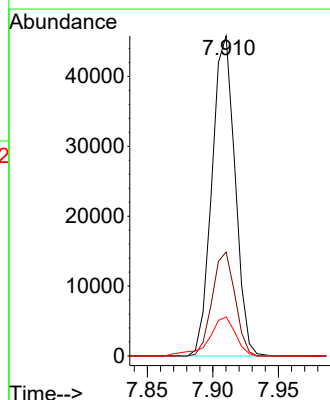
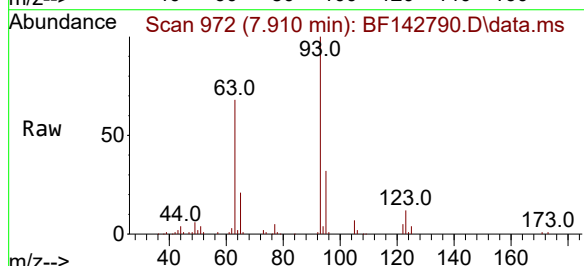
Tgt Ion: 93 Resp: 55907

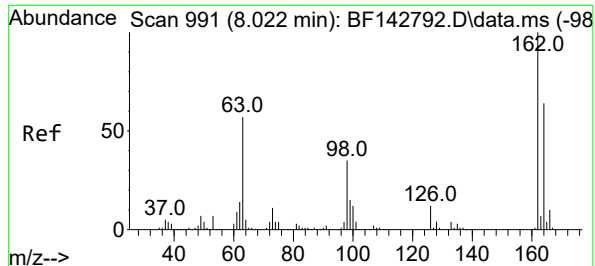
Ion Ratio Lower Upper

93 100

95 32.5 26.2 39.2

123 12.2 9.9 14.9





#29

2,4-Dichlorophenol

Concen: 9.861 ng

RT: 8.022 min Scan# 991

Delta R.T. 0.000 min

Lab File: BF142790.D

Acq: 19 Jun 2025 18:08

Instrument :

BNA_F

ClientSampleId :

SSTDIC010

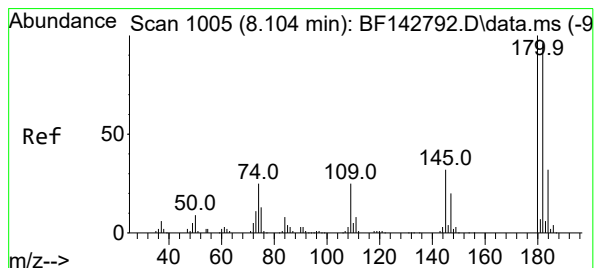
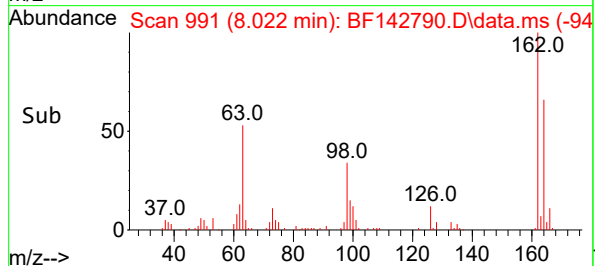
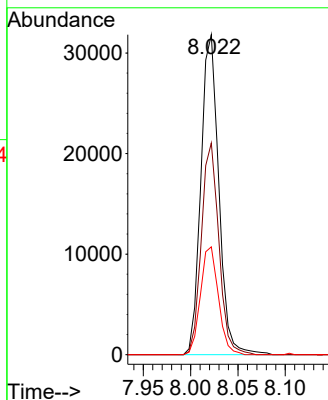
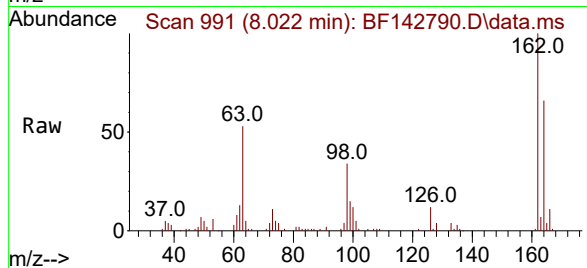
Tgt Ion:162 Resp: 41925

Ion Ratio Lower Upper

162 100

164 66.2 44.0 84.0

98 33.7 15.4 55.4



#30

1,2,4-Trichlorobenzene

Concen: 10.097 ng

RT: 8.104 min Scan# 1005

Delta R.T. 0.000 min

Lab File: BF142790.D

Acq: 19 Jun 2025 18:08

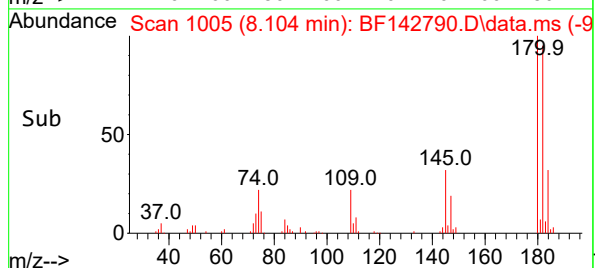
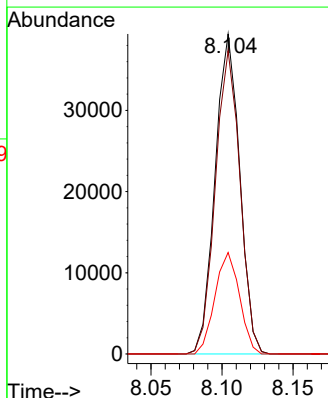
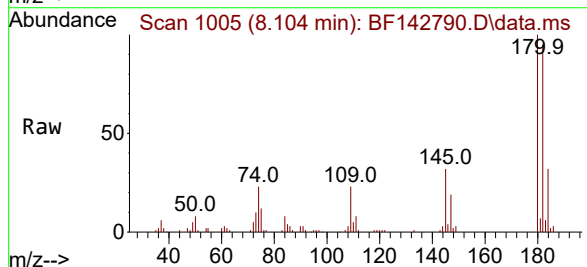
Tgt Ion:180 Resp: 47419

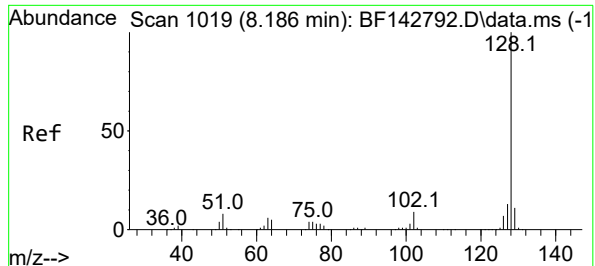
Ion Ratio Lower Upper

180 100

182 94.8 76.4 114.6

145 31.7 25.8 38.8





#31

Naphthalene

Concen: 10.188 ng

RT: 8.187 min Scan# 1

Delta R.T. 0.000 min

Lab File: BF142790.D

Acq: 19 Jun 2025 18:08

Instrument :

BNA_F

ClientSampleId :

SSTDICC010

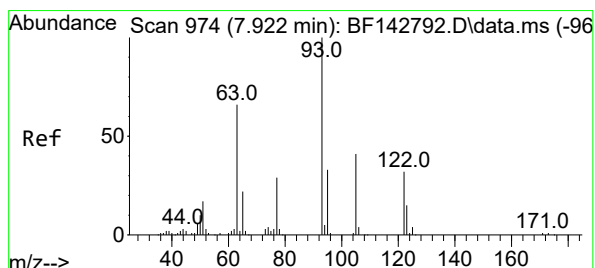
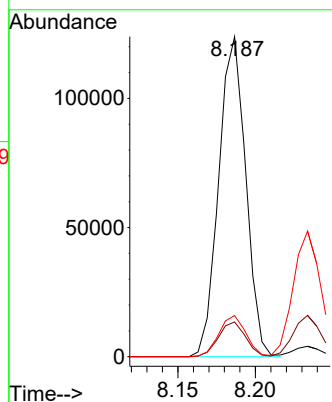
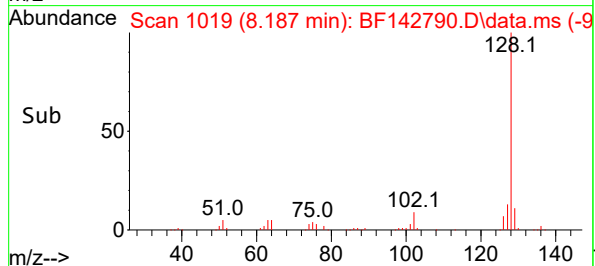
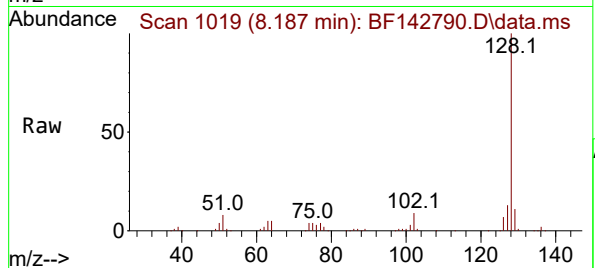
Tgt Ion:128 Resp: 150265

Ion Ratio Lower Upper

128 100

129 10.9 8.9 13.3

127 12.9 10.4 15.6



#32

Benzoic acid

Concen: 6.919 ng

RT: 7.887 min Scan# 968

Delta R.T. -0.035 min

Lab File: BF142790.D

Acq: 19 Jun 2025 18:08

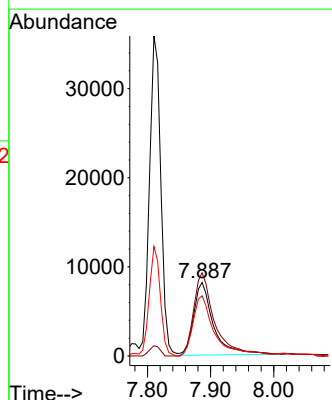
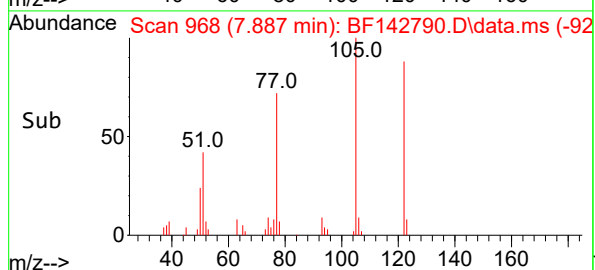
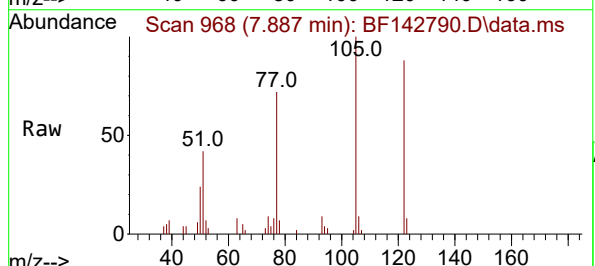
Tgt Ion:122 Resp: 17708

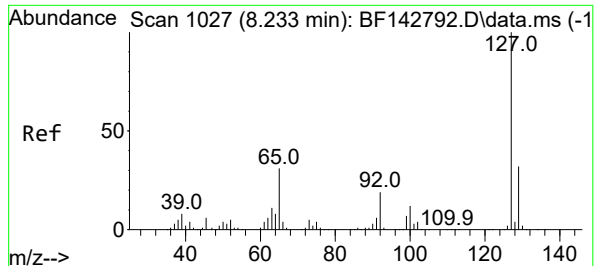
Ion Ratio Lower Upper

122 100

105 113.1 104.7 144.7

77 81.9 70.2 110.2





#33

4-Chloroaniline

Concen: 10.352 ng

RT: 8.234 min Scan# 1027

Delta R.T. 0.000 min

Lab File: BF142790.D

Acq: 19 Jun 2025 18:08

Instrument :

BNA_F

ClientSampleId :

SSTDICC010

Tgt Ion:127 Resp: 61190

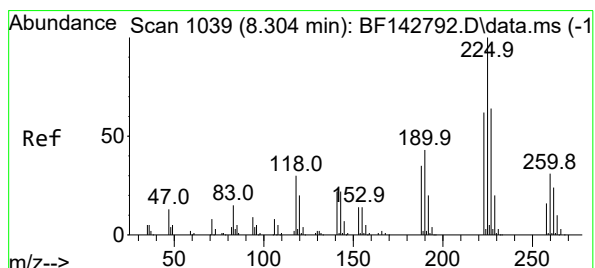
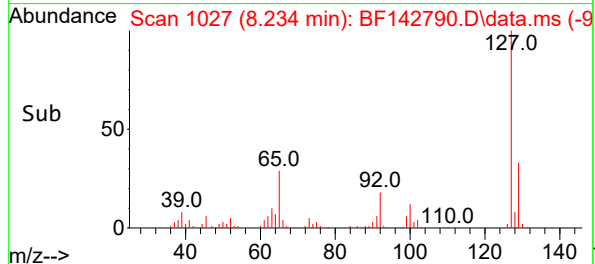
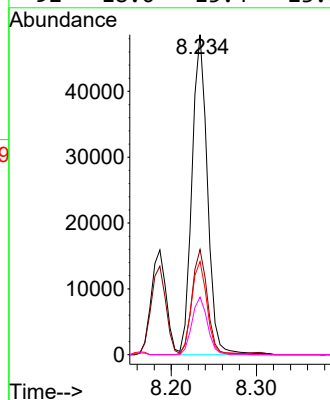
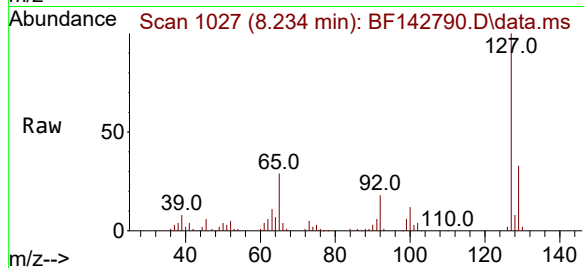
Ion Ratio Lower Upper

127 100

129 32.8 25.9 38.9

65 29.1 24.6 36.8

92 18.0 15.4 23.0



#34

Hexachlorobutadiene

Concen: 9.473 ng

RT: 8.304 min Scan# 1039

Delta R.T. 0.000 min

Lab File: BF142790.D

Acq: 19 Jun 2025 18:08

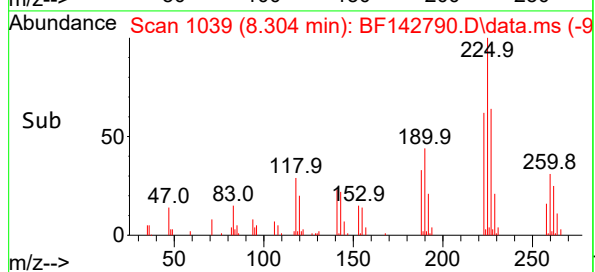
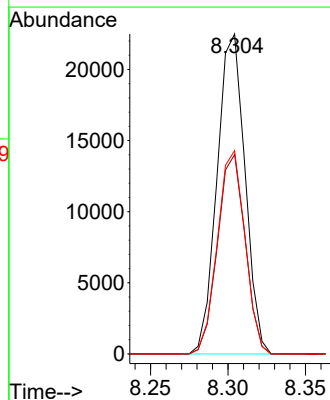
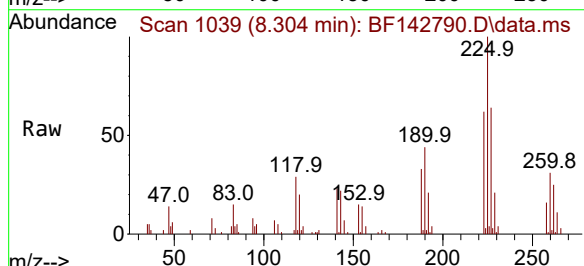
Tgt Ion:225 Resp: 28192

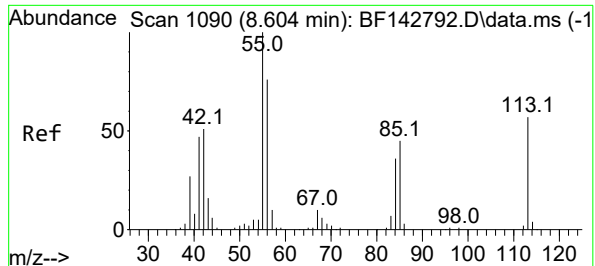
Ion Ratio Lower Upper

225 100

223 62.3 49.9 74.9

227 63.5 51.4 77.0





#35

Caprolactam

Concen: 9.557 ng

RT: 8.569 min Scan# 1108

Delta R.T. -0.035 min

Lab File: BF142790.D

Acq: 19 Jun 2025 18:08

Instrument :

BNA_F

ClientSampleId :

SSTDICC010

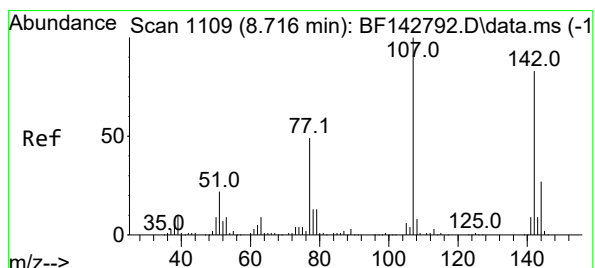
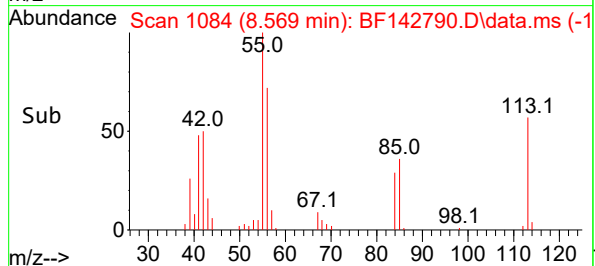
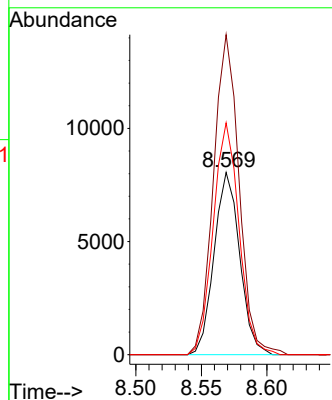
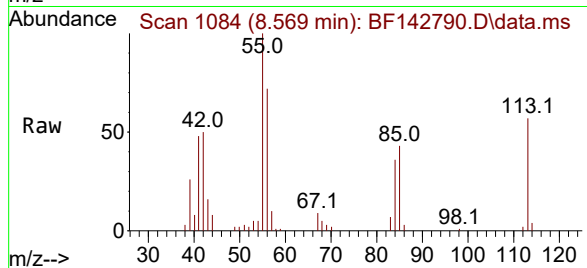
Tgt Ion:113 Resp: 10933

Ion Ratio Lower Upper

113 100

55 175.6 154.4 194.4

56 127.2 112.1 152.1



#36

4-Chloro-3-methylphenol

Concen: 9.382 ng

RT: 8.710 min Scan# 1108

Delta R.T. -0.006 min

Lab File: BF142790.D

Acq: 19 Jun 2025 18:08

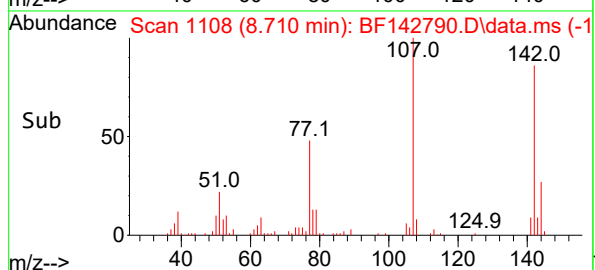
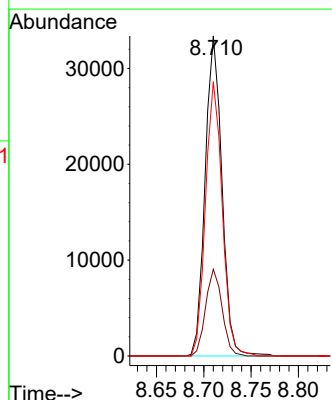
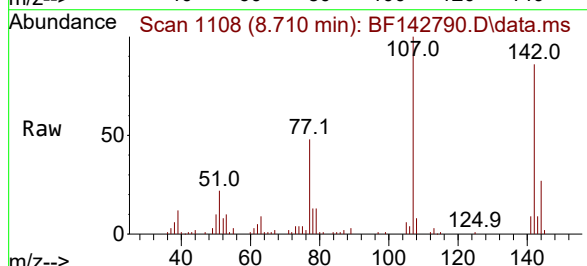
Tgt Ion:107 Resp: 41204

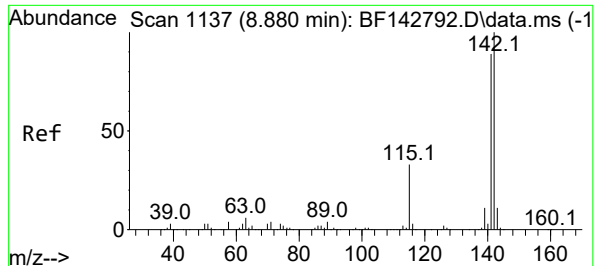
Ion Ratio Lower Upper

107 100

144 27.1 21.3 31.9

142 85.7 66.6 100.0

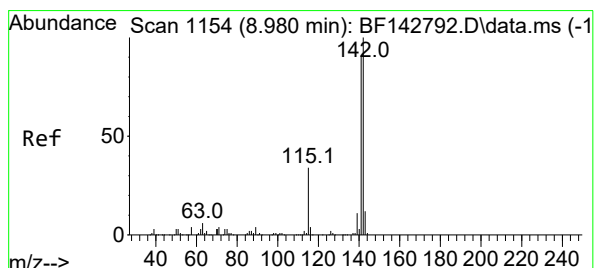
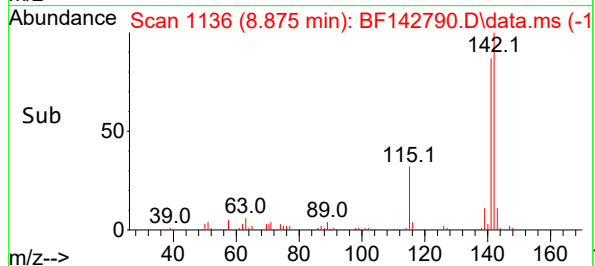
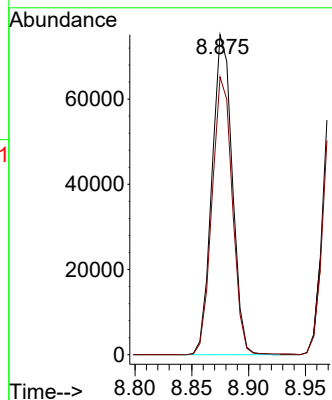
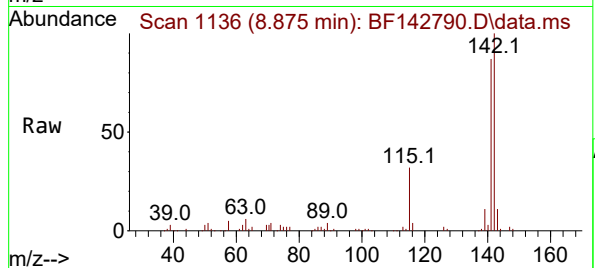




#37
2-Methylnaphthalene
Concen: 10.003 ng
RT: 8.875 min Scan# 1136
Delta R.T. -0.006 min
Lab File: BF142790.D
Acq: 19 Jun 2025 18:08

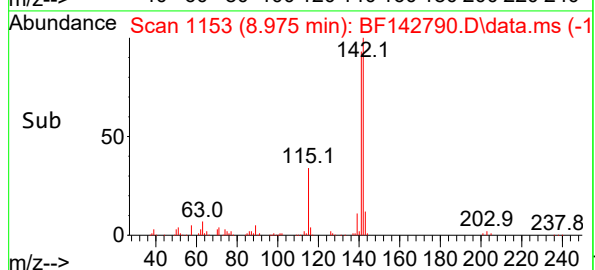
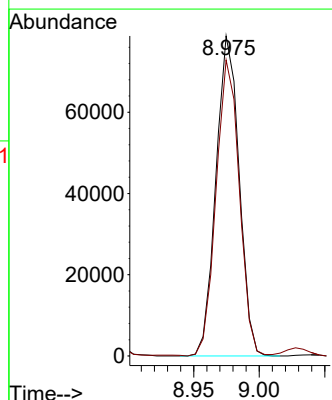
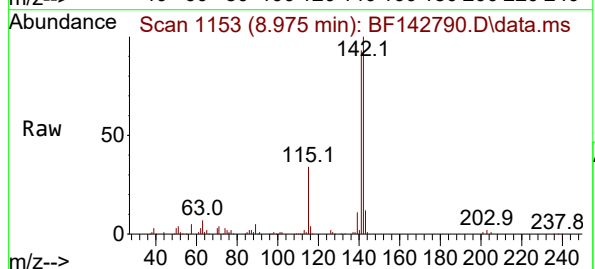
Instrument :
BNA_F
ClientSampleId :
SSTDICC010

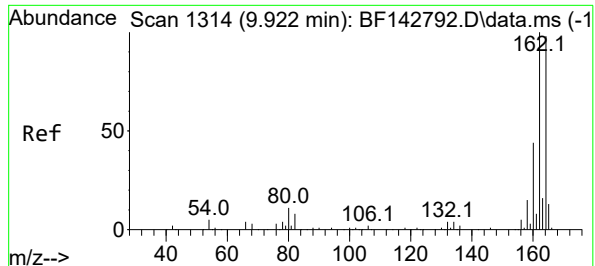
Tgt Ion:142 Resp: 93078
Ion Ratio Lower Upper
142 100
141 86.8 70.9 106.3



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

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





#39

Acenaphthene-d10

Concen: 20.000 ng

RT: 9.922 min Scan# 1165

Delta R.T. 0.000 min

Lab File: BF142790.D

Acq: 19 Jun 2025 18:08

Instrument :

BNA_F

ClientSampleId :

SSTDICC010

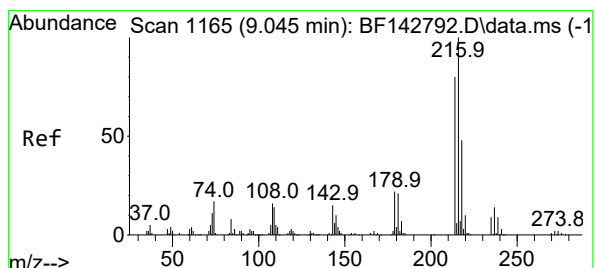
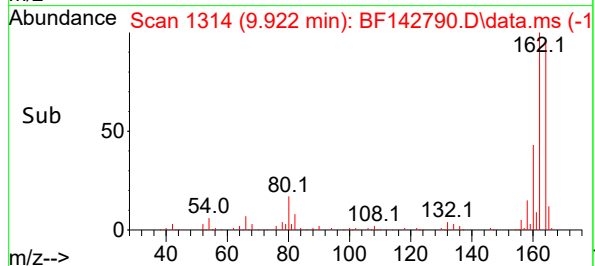
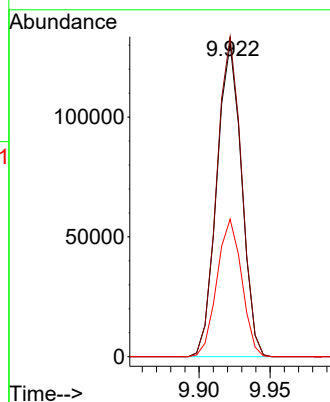
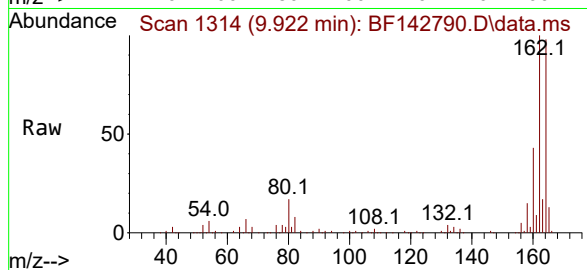
Tgt Ion:164 Resp: 158336

Ion Ratio Lower Upper

164 100

162 102.2 81.8 122.8

160 43.9 36.0 54.0



#40

1,2,4,5-Tetrachlorobenzene

Concen: 10.540 ng

RT: 9.045 min Scan# 1165

Delta R.T. 0.000 min

Lab File: BF142790.D

Acq: 19 Jun 2025 18:08

Tgt Ion:216 Resp: 48175

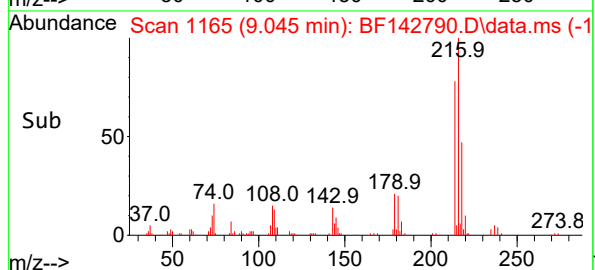
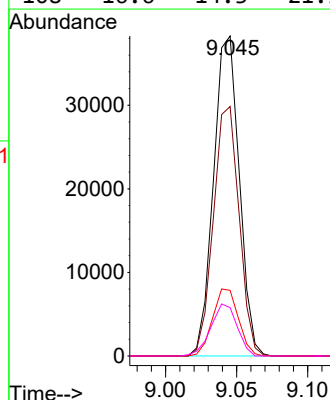
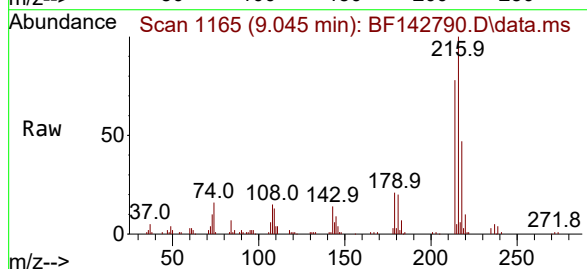
Ion Ratio Lower Upper

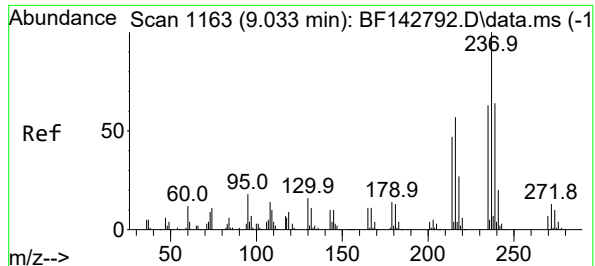
216 100

214 77.9 63.7 95.5

179 21.0 17.6 26.4

108 16.6 14.3 21.5

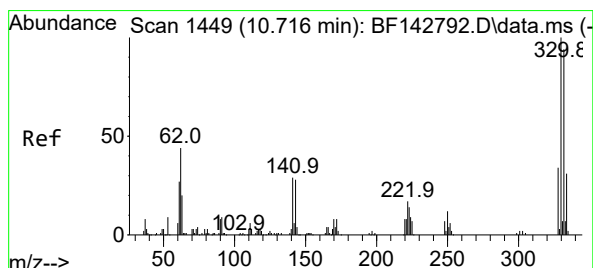
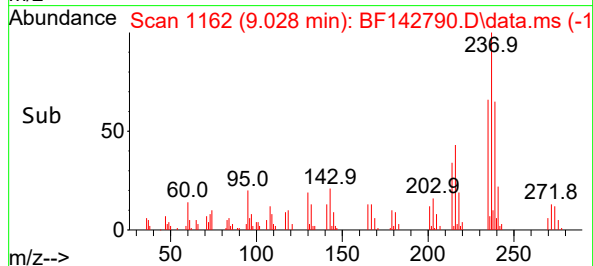
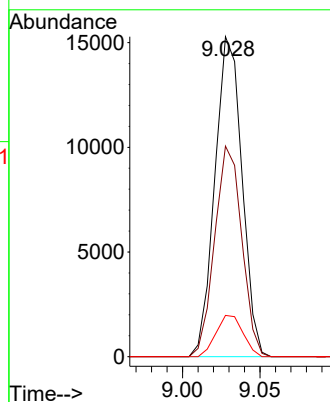
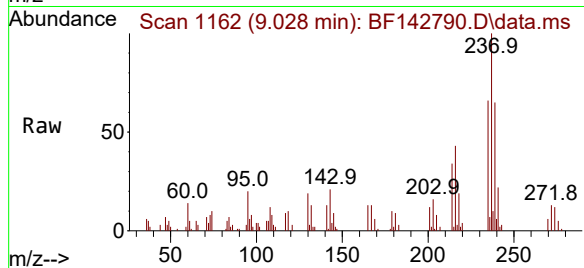




#41
Hexachlorocyclopentadiene
Concen: 6.436 ng
RT: 9.028 min Scan# 1163
Delta R.T. -0.006 min
Lab File: BF142790.D
Acq: 19 Jun 2025 18:08

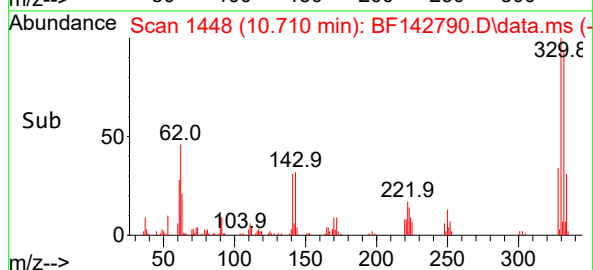
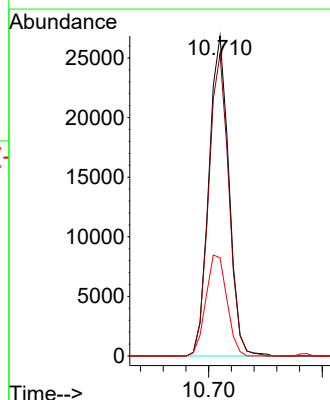
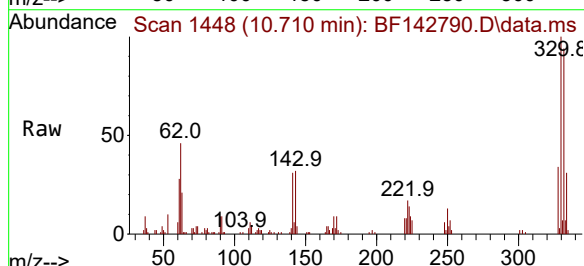
Instrument :
BNA_F
ClientSampleId :
SSTDIC010

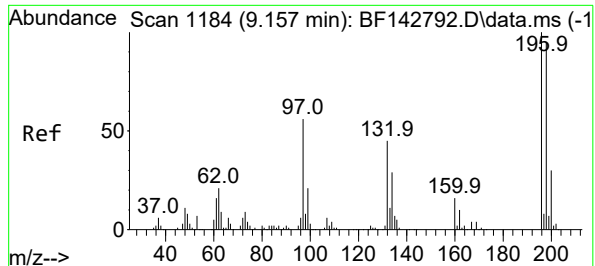
Tgt Ion:237 Resp: 18602
Ion Ratio Lower Upper
237 100
235 65.8 43.4 83.4
272 12.9 0.0 32.7



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

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





#43

2,4,6-Trichlorophenol

Concen: 10.182 ng

RT: 9.157 min Scan# 1184

Delta R.T. 0.000 min

Lab File: BF142790.D

Acq: 19 Jun 2025 18:08

Instrument :

BNA_F

ClientSampleId :

SSTDICC010

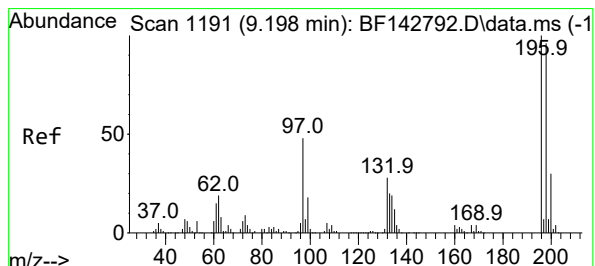
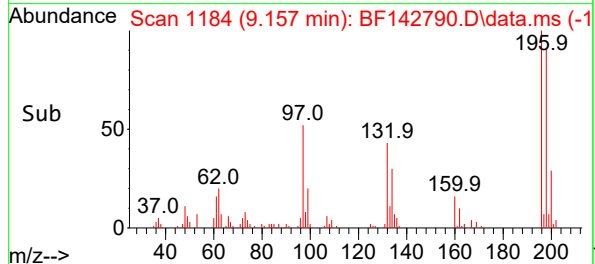
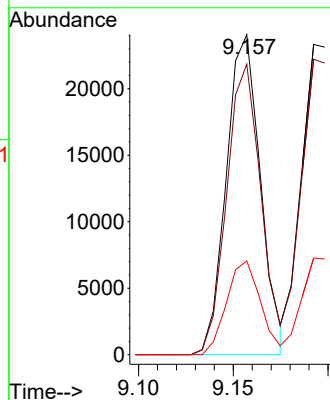
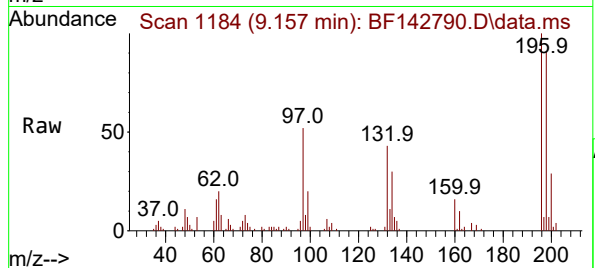
Tgt Ion:196 Resp: 30118

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

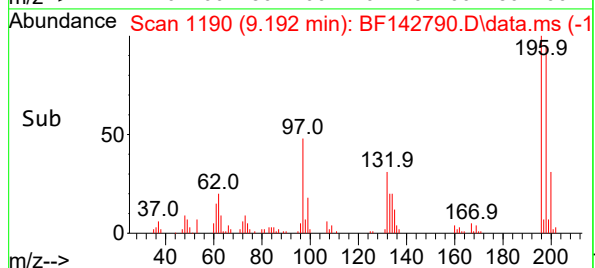
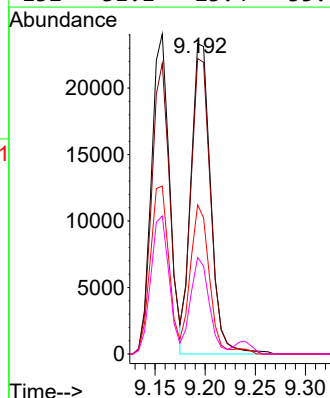
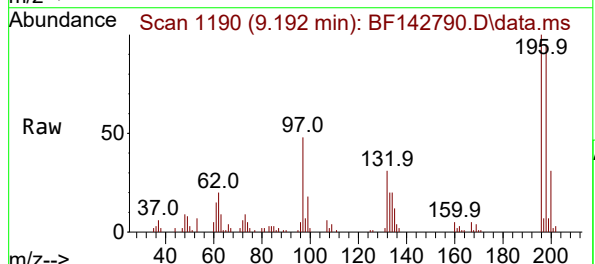
Ion Ratio Lower Upper

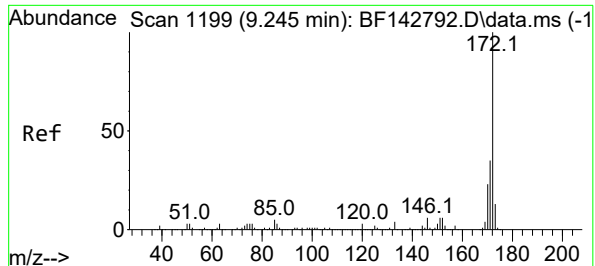
196 100

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

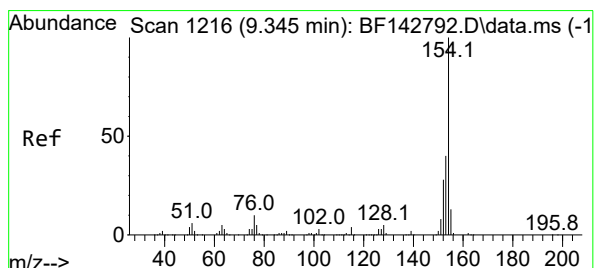
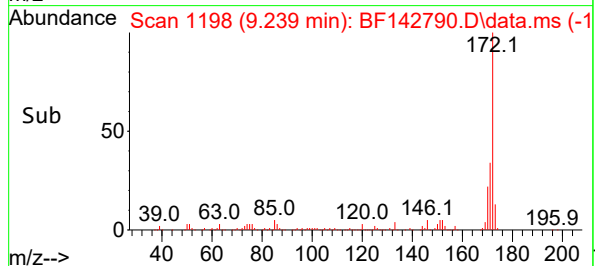
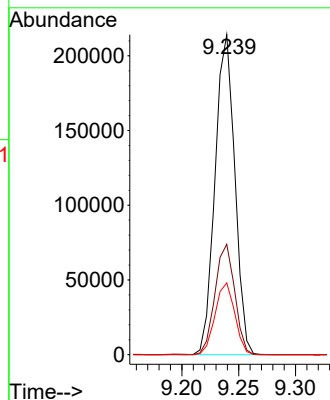
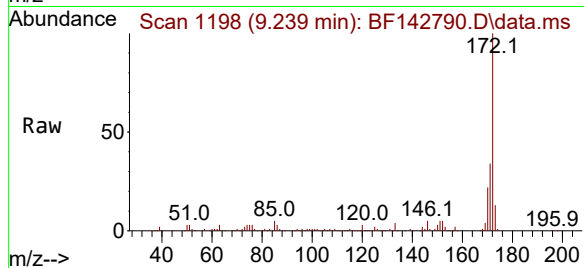
Tgt Ion:172 Resp: 259052

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

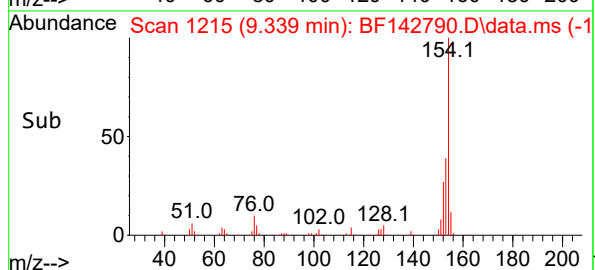
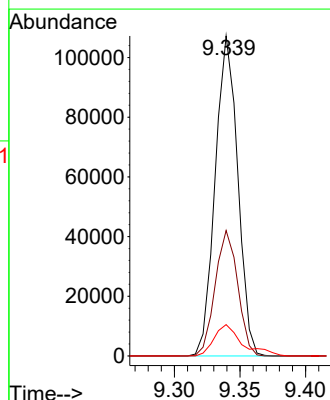
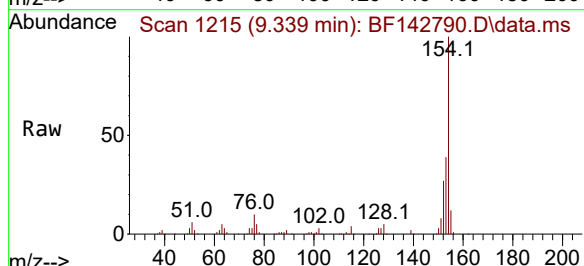
Tgt Ion:154 Resp: 127911

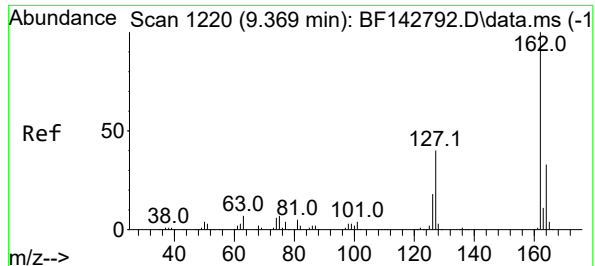
Ion Ratio Lower Upper

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

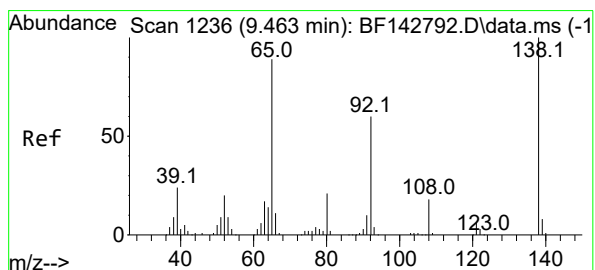
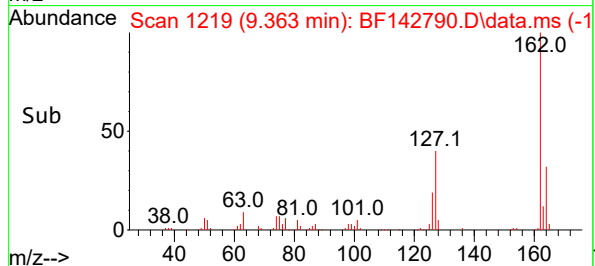
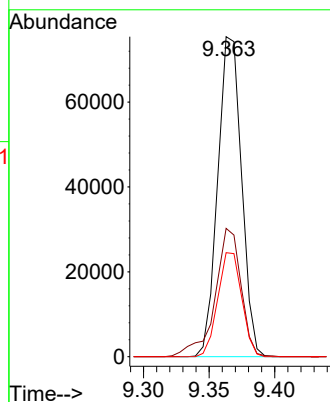
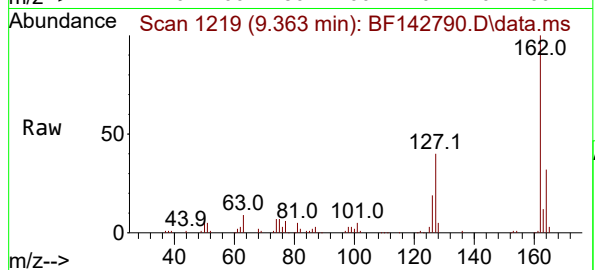
Tgt Ion:162 Resp: 95194

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

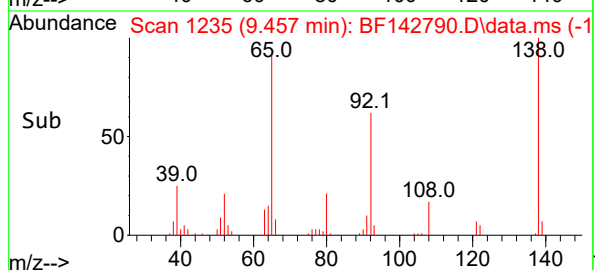
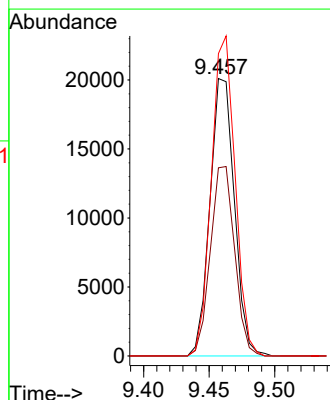
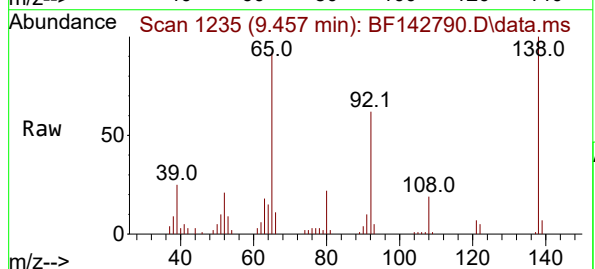
Tgt Ion: 65 Resp: 26075

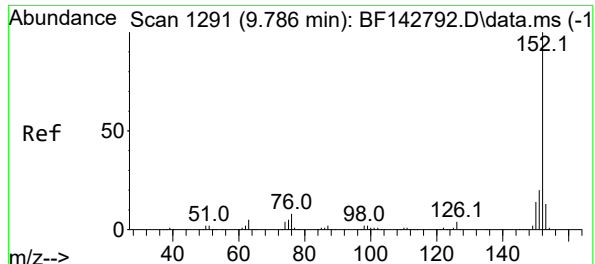
Ion Ratio Lower Upper

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

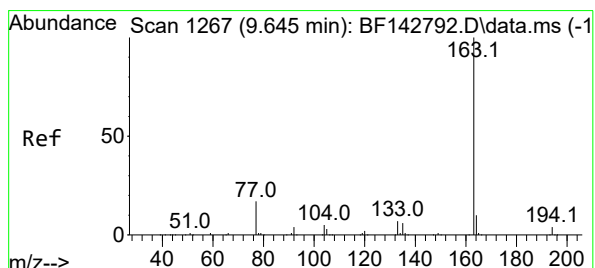
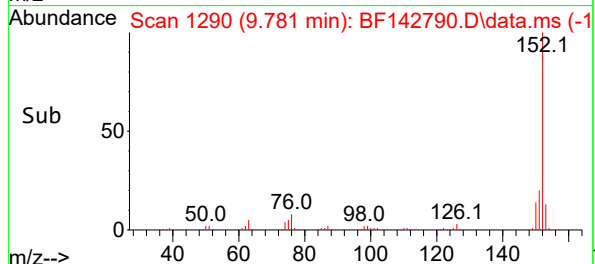
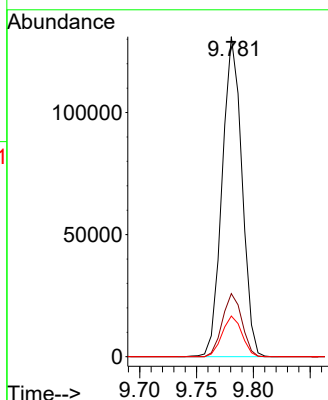
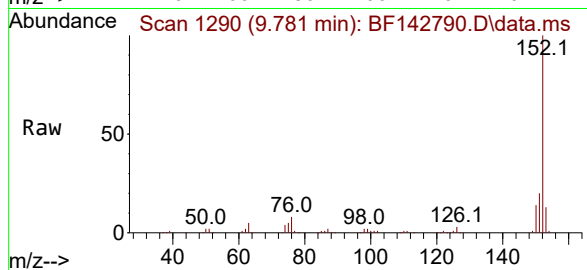
Tgt Ion:152 Resp: 158842

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

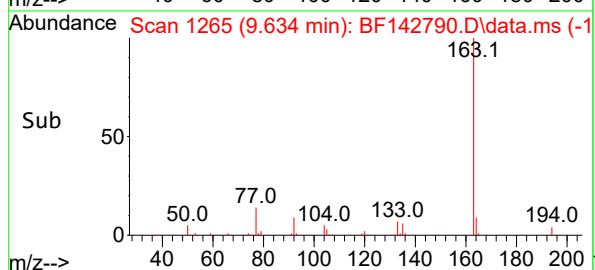
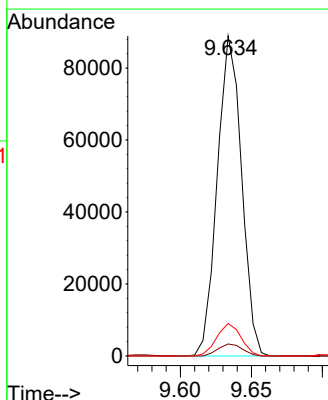
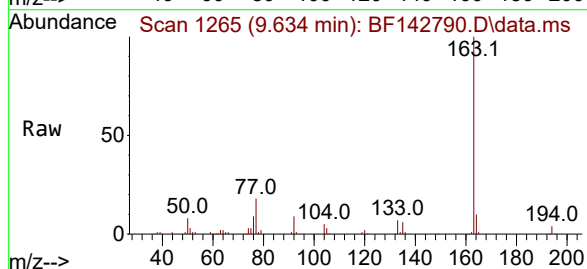
Tgt Ion:163 Resp: 105636

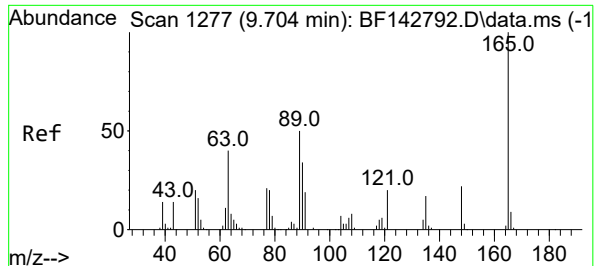
Ion Ratio Lower Upper

163 100

194 3.8 3.3 4.9

164 10.1 8.0 12.0

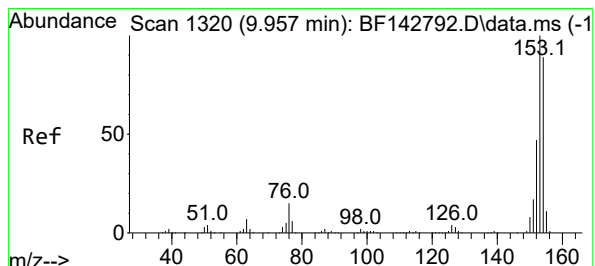
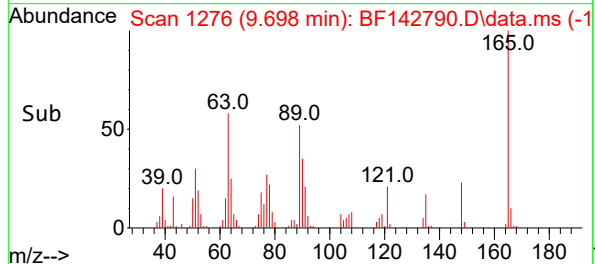
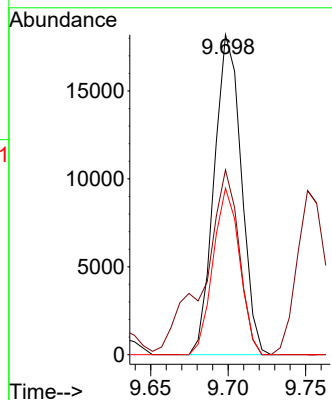
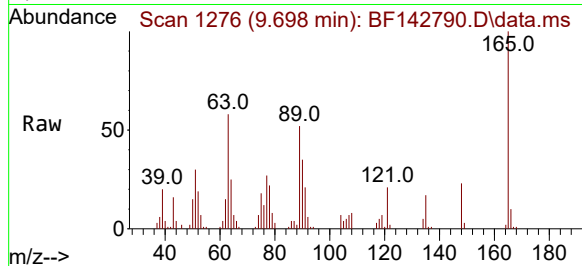




#51
2,6-Dinitrotoluene
Concen: 9.714 ng
RT: 9.698 min Scan# 11
Delta R.T. -0.006 min
Lab File: BF142790.D
Acq: 19 Jun 2025 18:08

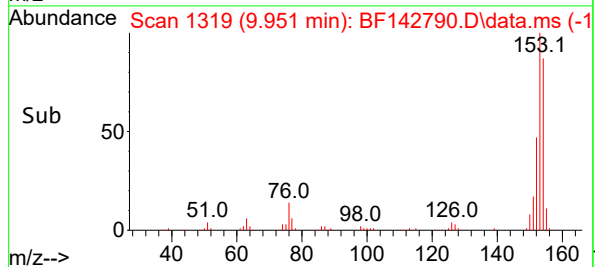
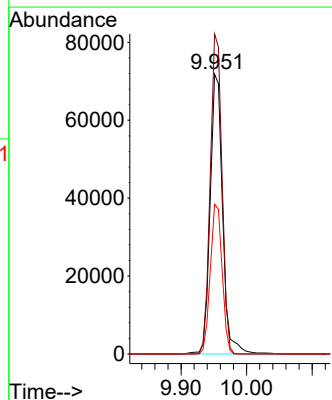
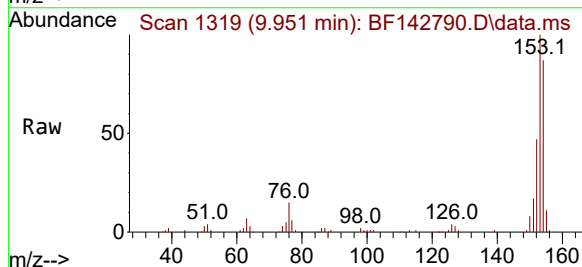
Instrument :
BNA_F
ClientSampleId :
SSTDICC010

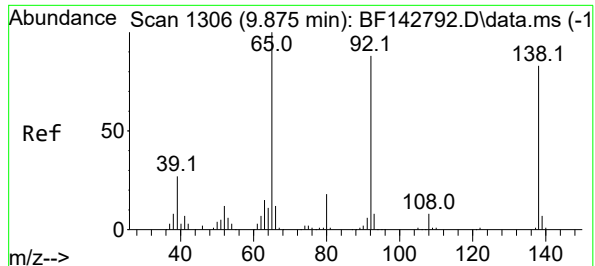
Tgt Ion:	165	Resp:	22116
Ion Ratio	Lower	Upper	
165	100		
63	57.7	44.2	66.4
89	52.1	39.8	59.8



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

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

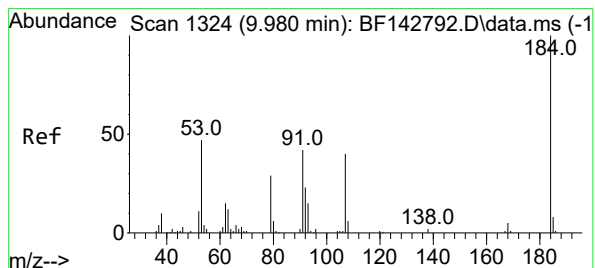
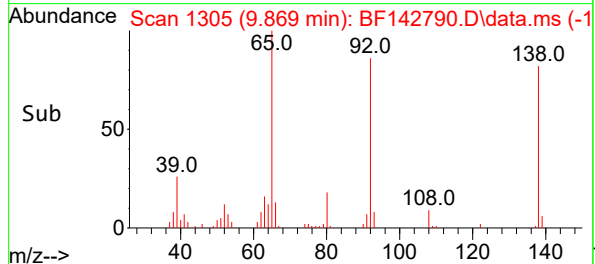
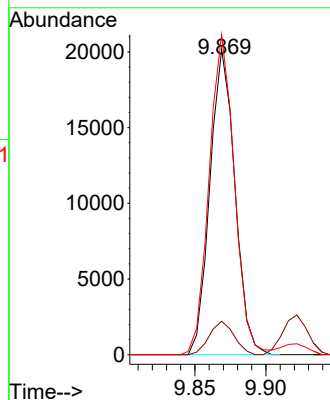
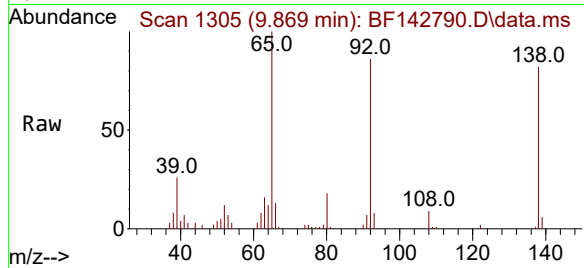




#53
3-Nitroaniline
Concen: 9.968 ng
RT: 9.869 min Scan# 11
Delta R.T. -0.006 min
Lab File: BF142790.D
Acq: 19 Jun 2025 18:08

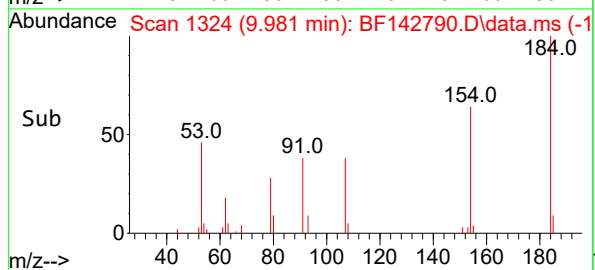
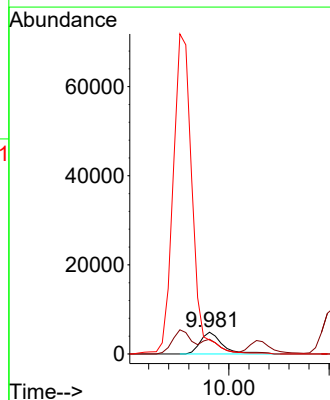
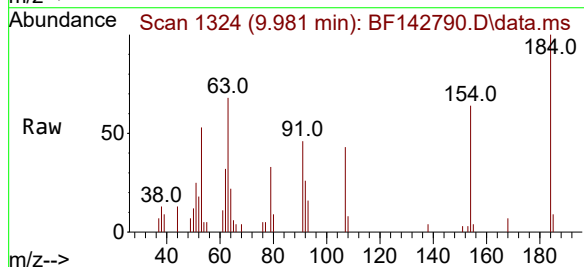
Instrument :
BNA_F
ClientSampleId :
SSTDICC010

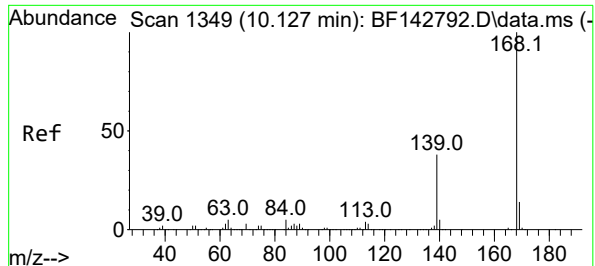
Tgt Ion	Ratio	Lower	Upper
138	100		
108	10.9	8.1	12.1
92	104.8	85.1	127.7



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

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

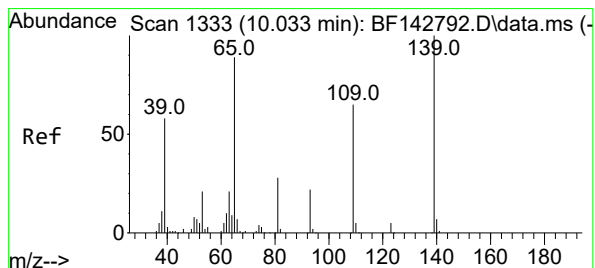
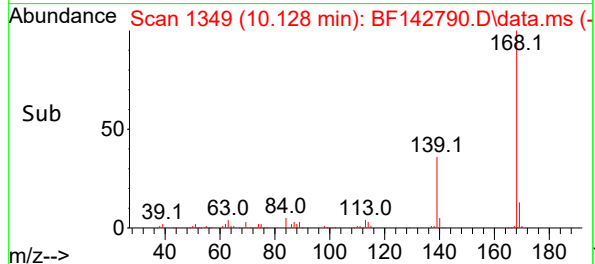
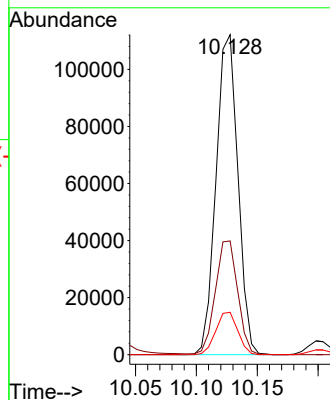
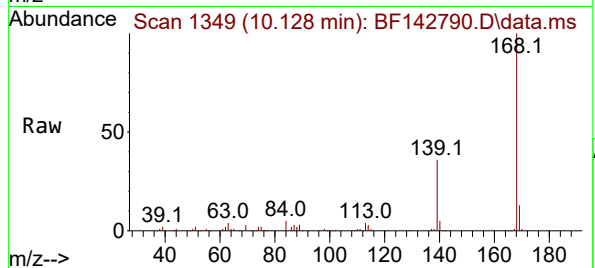




#55
Dibenzofuran
Concen: 10.416 ng
RT: 10.128 min Scan# 1349
Delta R.T. 0.000 min
Lab File: BF142790.D
Acq: 19 Jun 2025 18:08

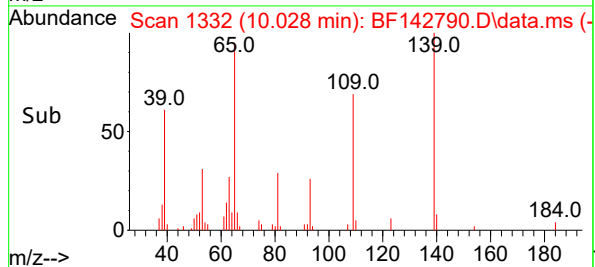
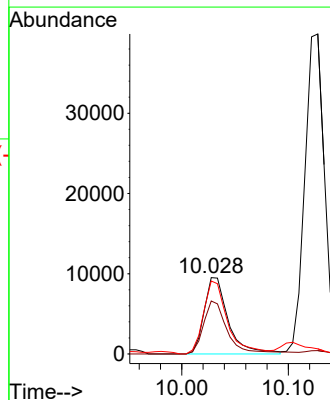
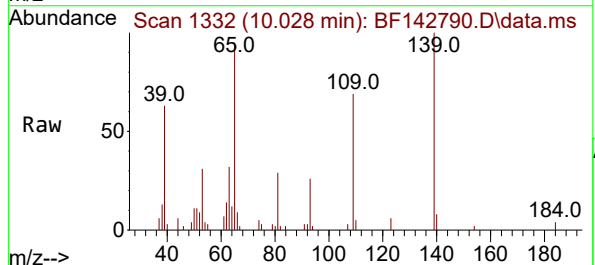
Instrument :
BNA_F
ClientSampleId :
SSTDICC010

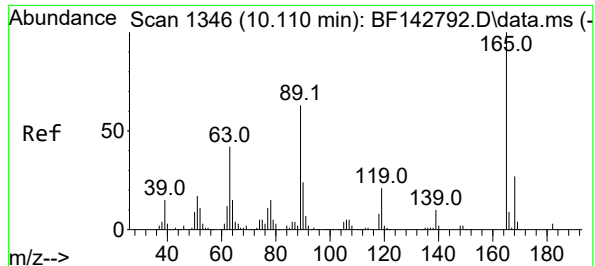
Tgt Ion:168 Resp: 140256
Ion Ratio Lower Upper
168 100
139 35.6 30.2 45.4
169 13.3 10.8 16.2



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

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

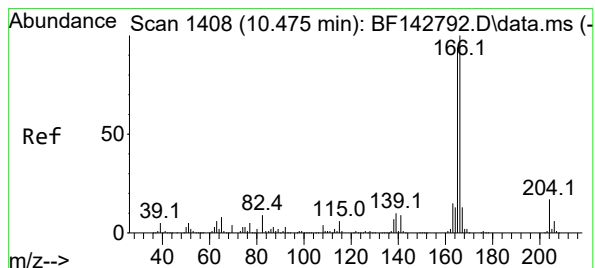
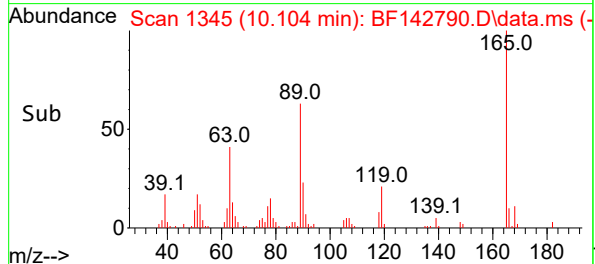
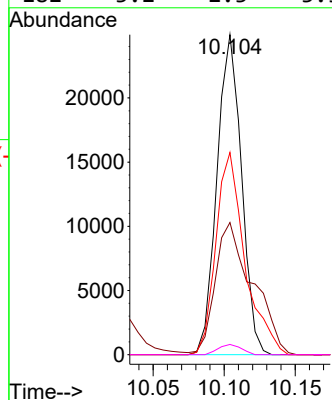
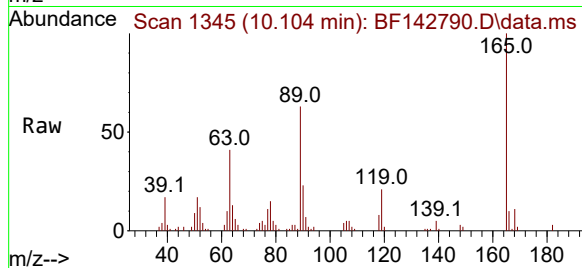




#57
2,4-Dinitrotoluene
Concen: 9.943 ng
RT: 10.104 min Scan# 11
Delta R.T. -0.006 min
Lab File: BF142790.D
Acq: 19 Jun 2025 18:08

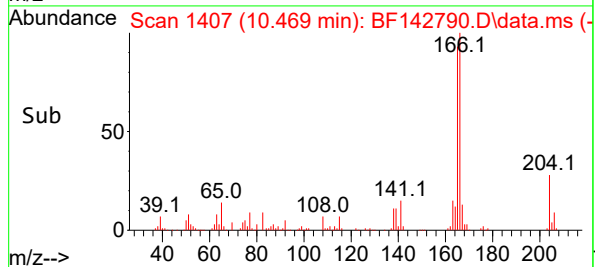
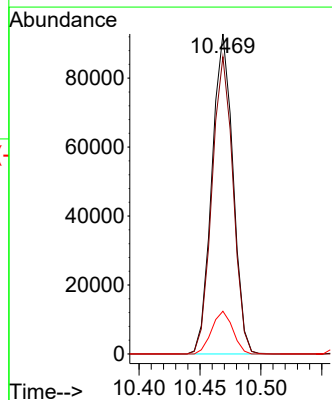
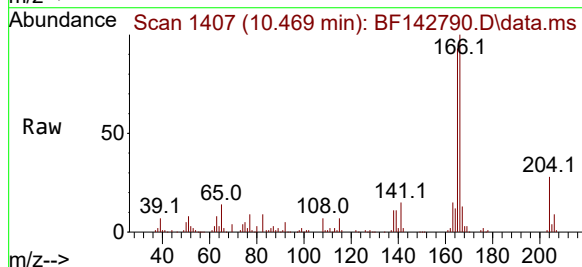
Instrument :
BNA_F
ClientSampleId :
SSTDICC010

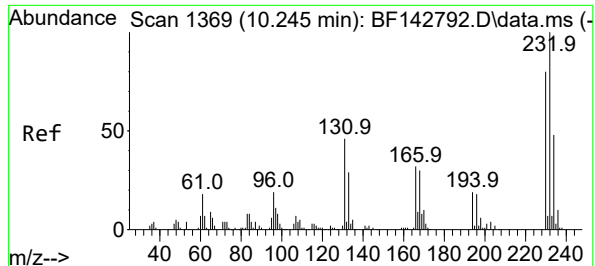
Tgt Ion:165 Resp: 29934
Ion Ratio Lower Upper
165 100
63 41.3 33.9 50.9
89 63.2 50.6 75.8
182 3.2 2.3 3.5



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

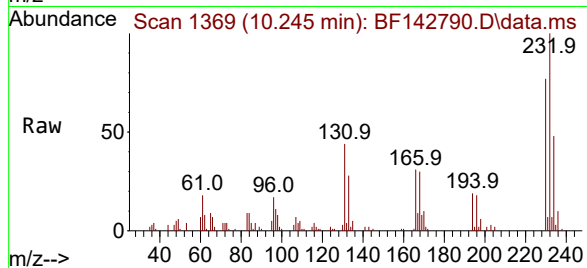
Tgt Ion:166 Resp: 111772
Ion Ratio Lower Upper
166 100
165 92.9 75.2 112.8
167 13.3 10.6 15.8



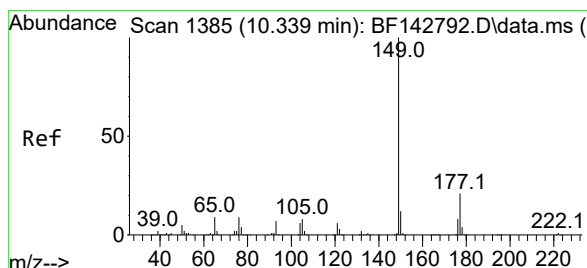
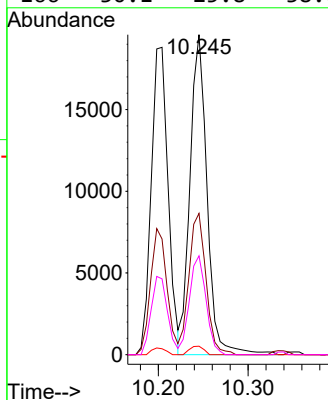
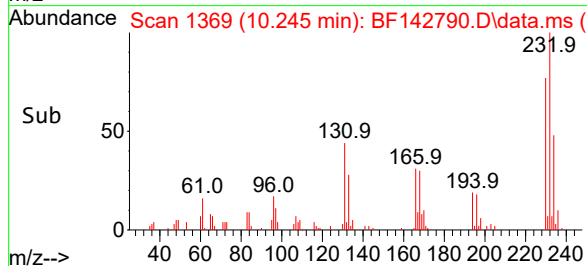


#59
2,3,4,6-Tetrachlorophenol
Concen: 9.666 ng
RT: 10.245 min Scan# 1369
Delta R.T. 0.000 min
Lab File: BF142790.D
Acq: 19 Jun 2025 18:08

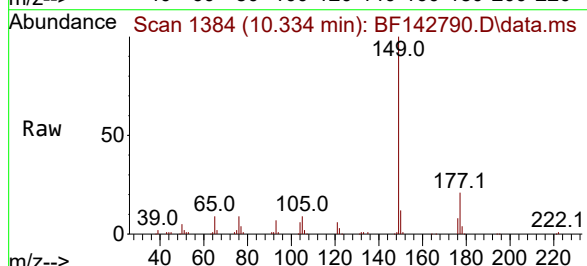
Instrument :
BNA_F
ClientSampleId :
SSTDICC010



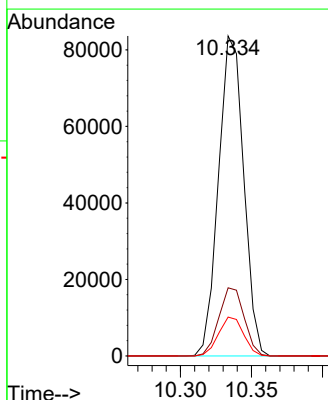
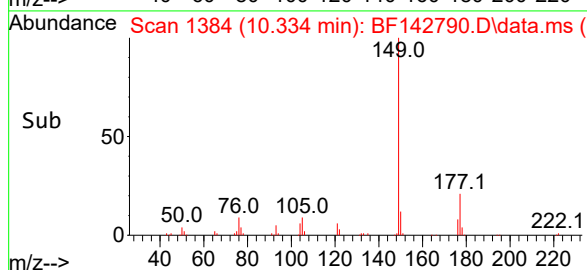
Tgt Ion:232 Resp: 25885
Ion Ratio Lower Upper
232 100
131 44.2 37.6 56.4
130 2.2 1.7 2.5
166 30.1 25.8 38.6

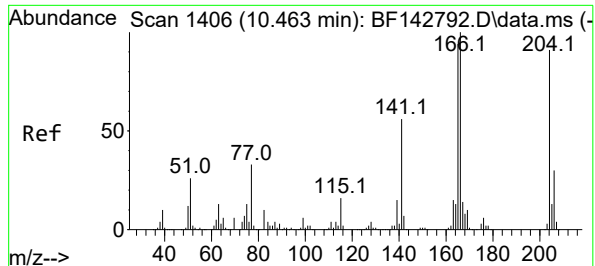


#60
Diethylphthalate
Concen: 9.877 ng
RT: 10.334 min Scan# 1384
Delta R.T. -0.006 min
Lab File: BF142790.D
Acq: 19 Jun 2025 18:08



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

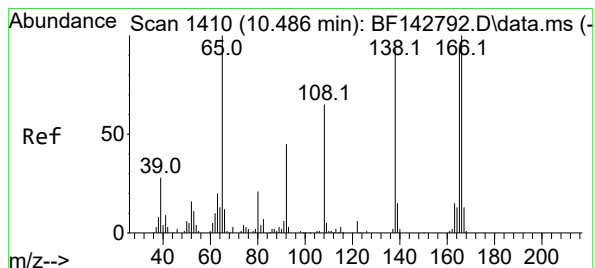
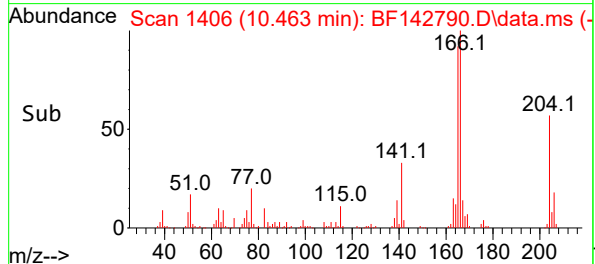
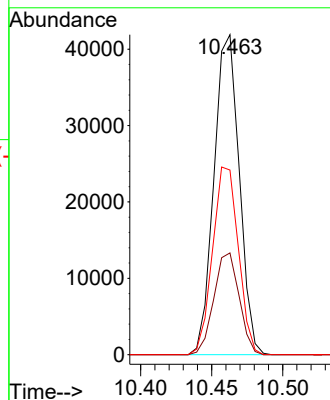
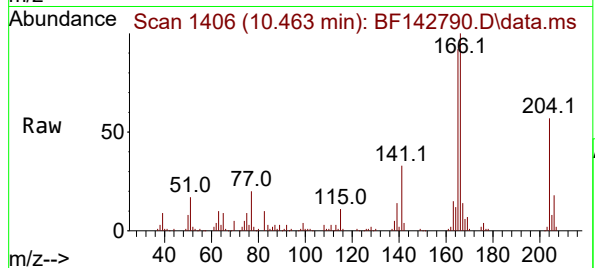




#61
4-Chlorophenyl-phenylether
Concen: 10.067 ng
RT: 10.463 min Scan# 1406
Delta R.T. 0.000 min
Lab File: BF142790.D
Acq: 19 Jun 2025 18:08

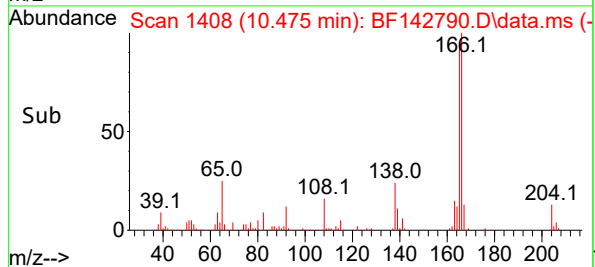
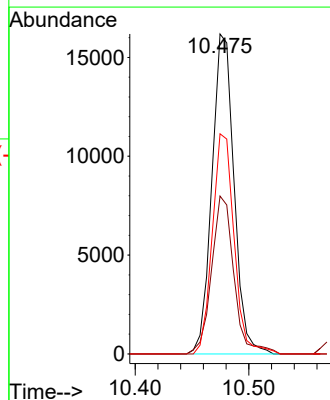
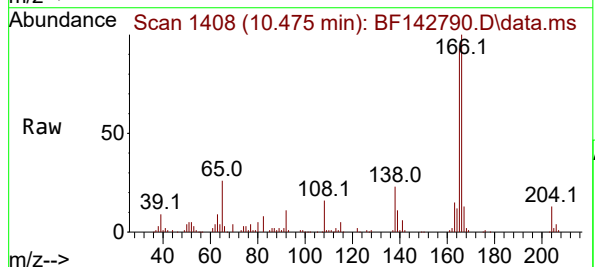
Instrument :
BNA_F
ClientSampleId :
SSTDICC010

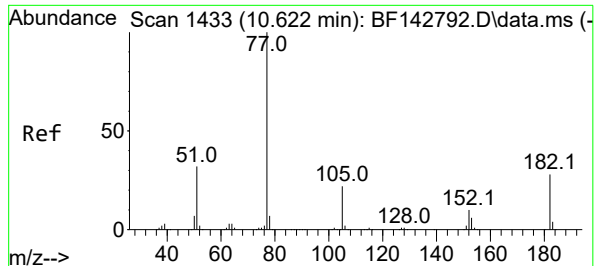
Tgt Ion:204 Resp: 51958
Ion Ratio Lower Upper
204 100
206 31.8 26.3 39.5
141 57.7 49.1 73.7



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

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

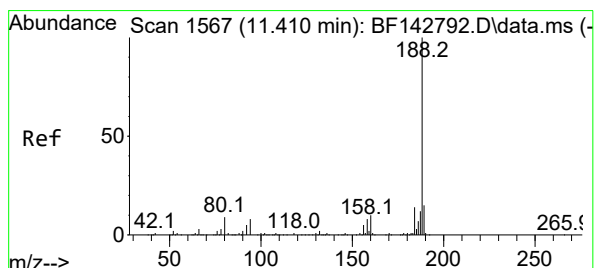
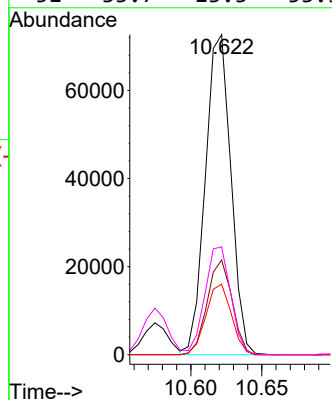
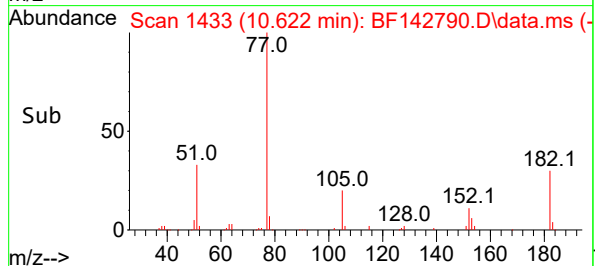
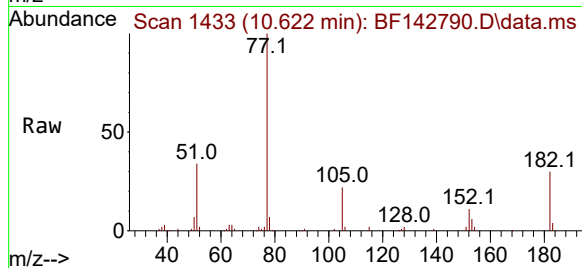




#63
Azobenzene
Concen: 9.977 ng
RT: 10.622 min Scan# 1433
Delta R.T. 0.000 min
Lab File: BF142790.D
Acq: 19 Jun 2025 18:08

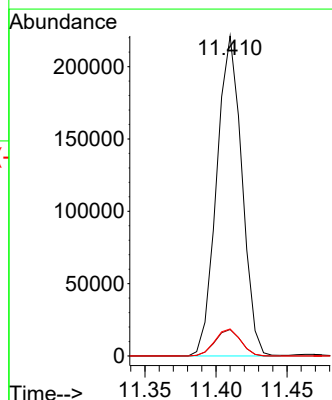
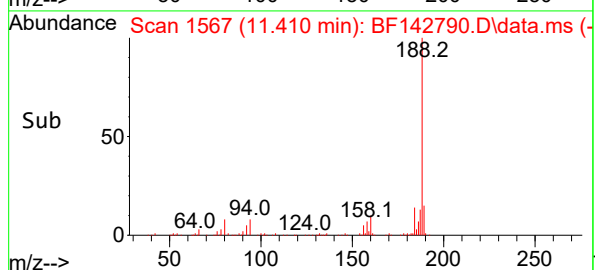
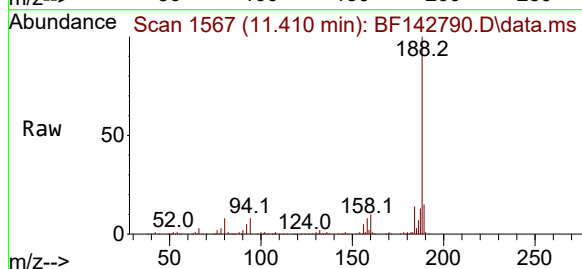
Instrument :
BNA_F
ClientSampleId :
SSTDICC010

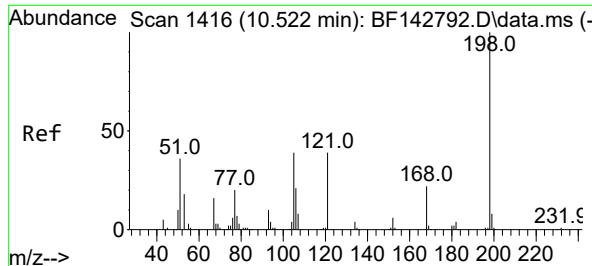
Tgt Ion:	77	Resp:	90965
Ion	Ratio	Lower	Upper
77	100		
182	29.6	7.7	47.7
105	22.0	1.9	41.9
51	33.7	13.3	53.3



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

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

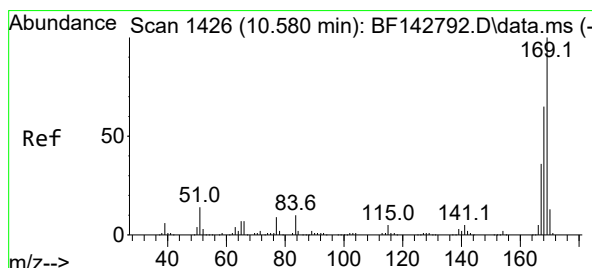
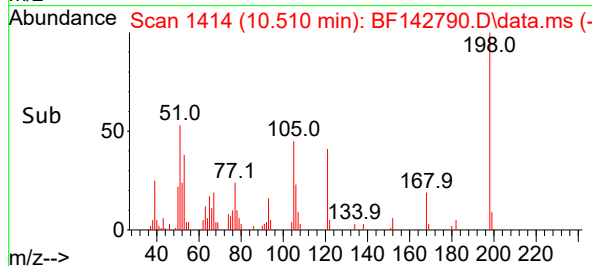
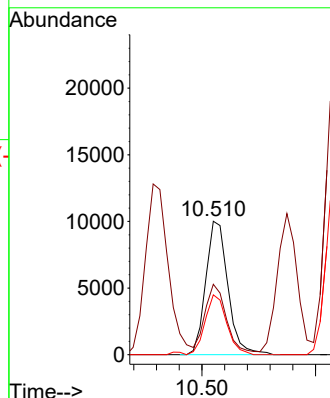
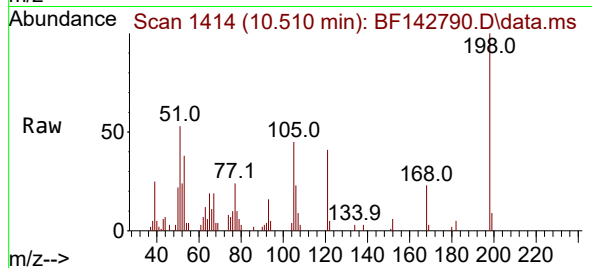




#65
4,6-Dinitro-2-methylphenol
Concen: 7.982 ng
RT: 10.510 min Scan# 1416
Delta R.T. -0.012 min
Lab File: BF142790.D
Acq: 19 Jun 2025 18:08

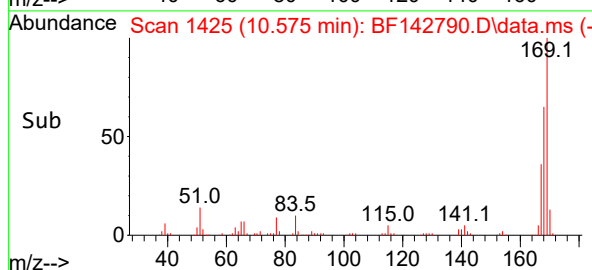
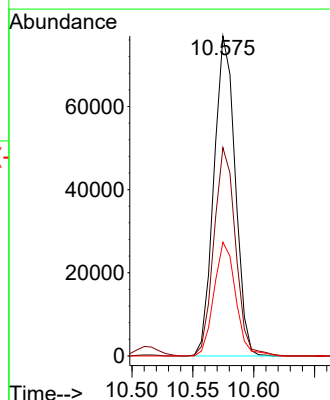
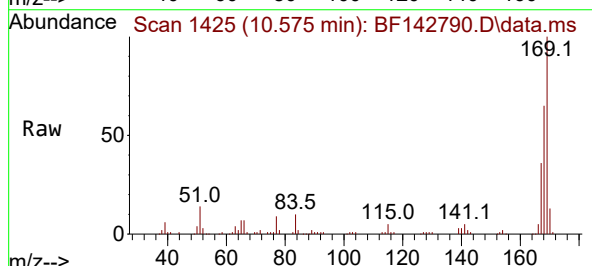
Instrument :
BNA_F
ClientSampleId :
SSTDIC010

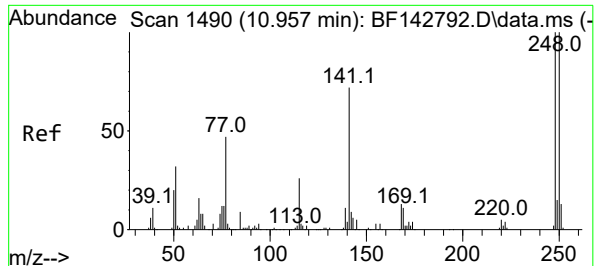
Tgt Ion	Ratio	Lower	Upper
198	100		
51	52.8	25.4	65.4
105	44.8	20.4	60.4



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

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

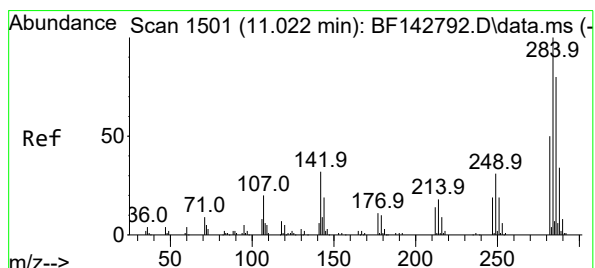
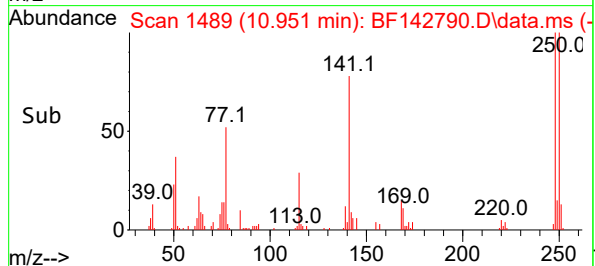
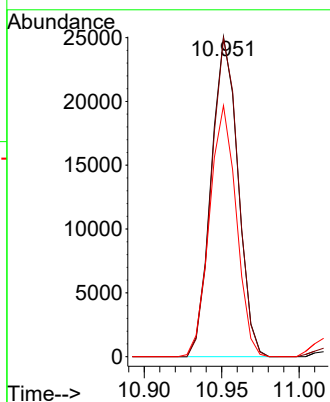
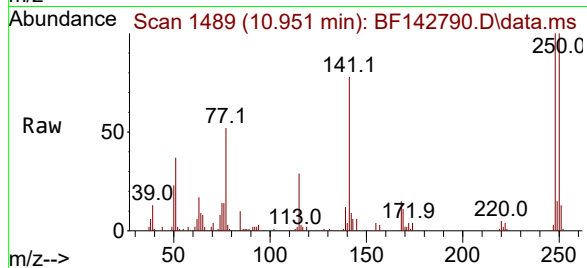




#67
4-Bromophenyl-phenylether
Concen: 9.425 ng
RT: 10.951 min Scan# 1490
Delta R.T. -0.006 min
Lab File: BF142790.D
Acq: 19 Jun 2025 18:08

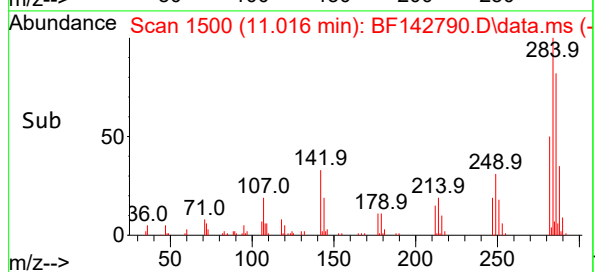
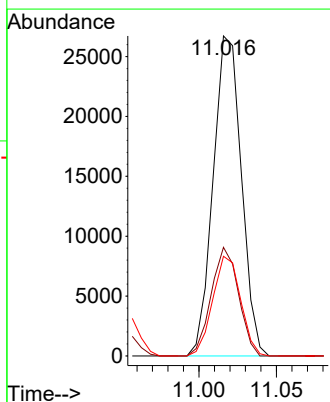
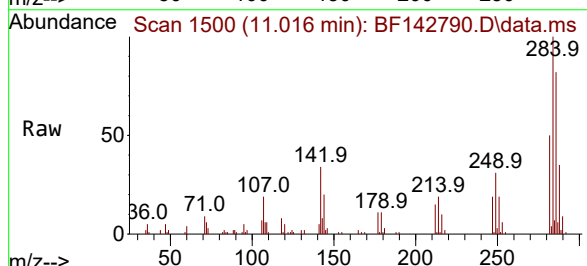
Instrument :
BNA_F
ClientSampleId :
SSTDICC010

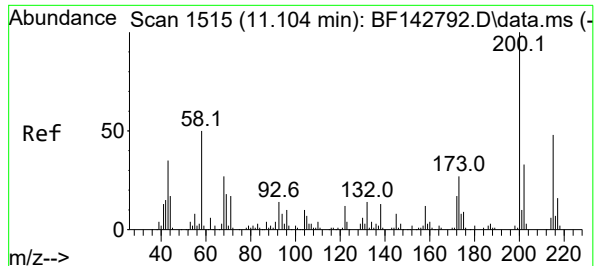
Tgt Ion:	248	Resp:	30145
Ion Ratio	Lower	Upper	
248	100		
250	99.6	79.8	119.8
141	78.4	57.8	86.6



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

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

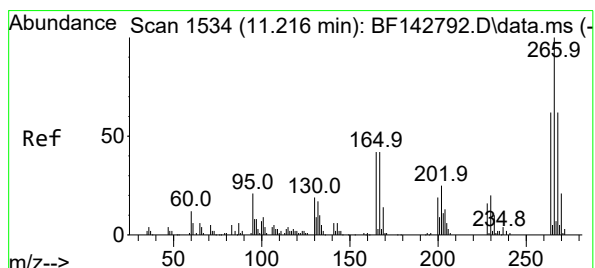
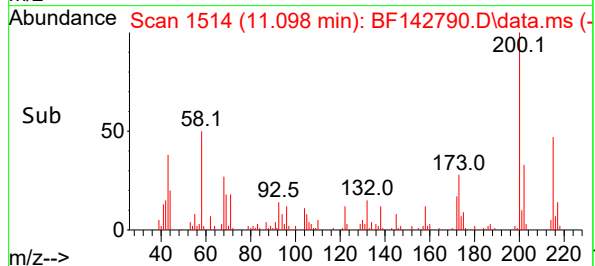
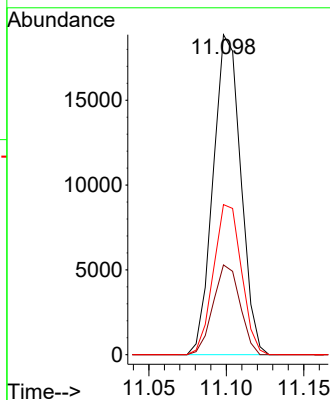
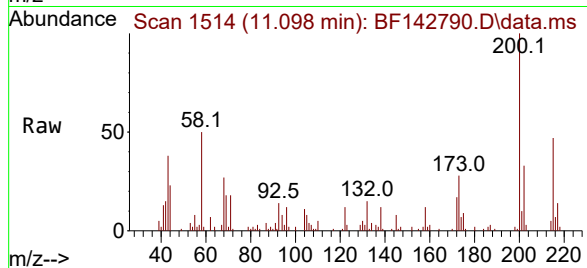




#69
Atrazine
Concen: 9.401 ng
RT: 11.098 min Scan# 1514
Delta R.T. -0.006 min
Lab File: BF142790.D
Acq: 19 Jun 2025 18:08

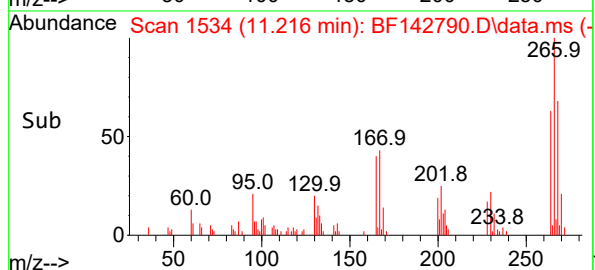
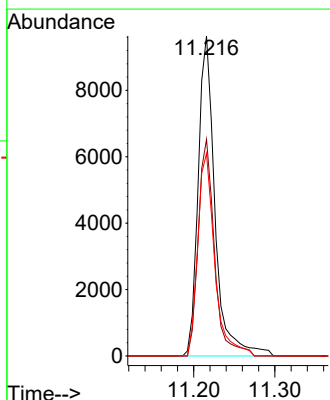
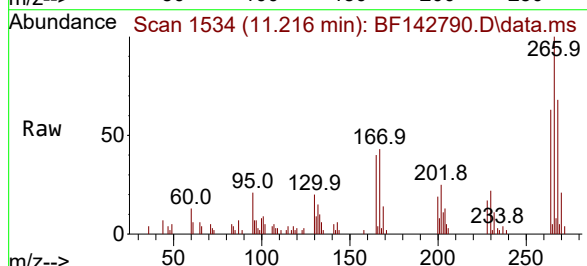
Instrument :
BNA_F
ClientSampleId :
SSTDIC010

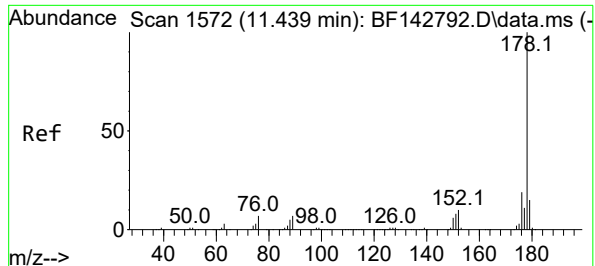
Tgt Ion	200	Resp	23423
Ion Ratio	Lower	Upper	
200	100		
173	28.1	7.4	47.4
215	46.9	28.4	68.4



#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

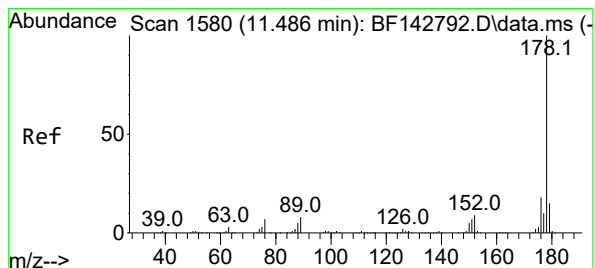
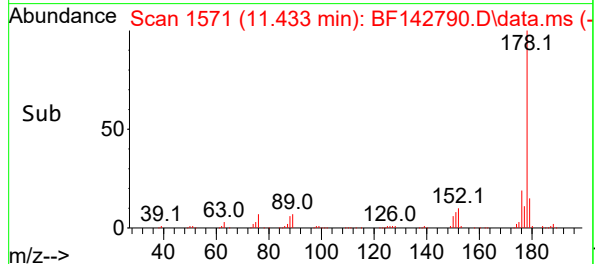
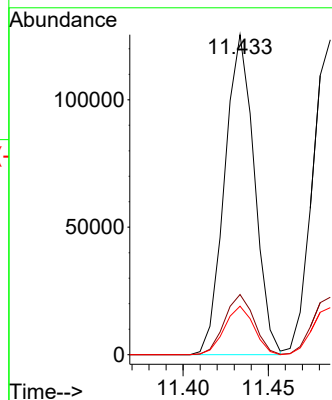
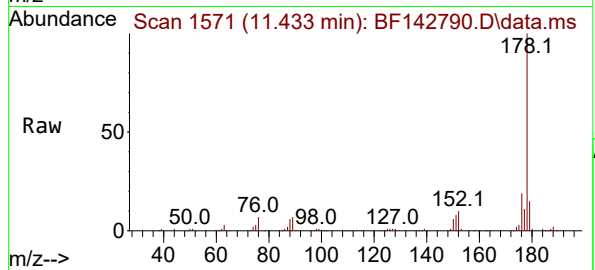




#71
Phenanthrene
Concen: 10.396 ng
RT: 11.433 min Scan# 1571
Delta R.T. -0.006 min
Lab File: BF142790.D
Acq: 19 Jun 2025 18:08

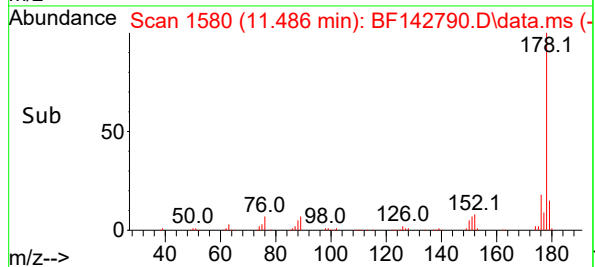
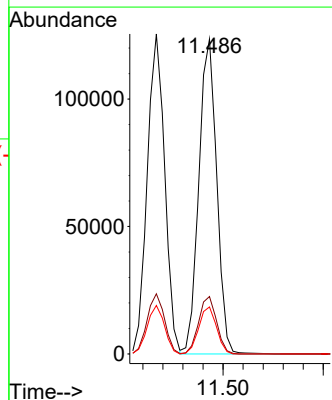
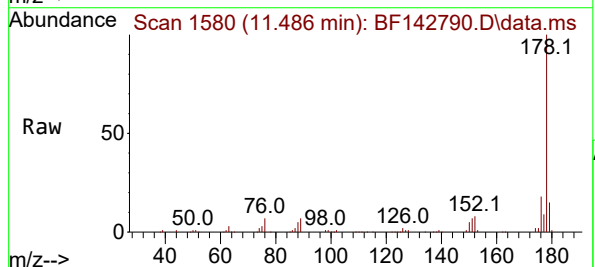
Instrument :
BNA_F
ClientSampleId :
SSTDICC010

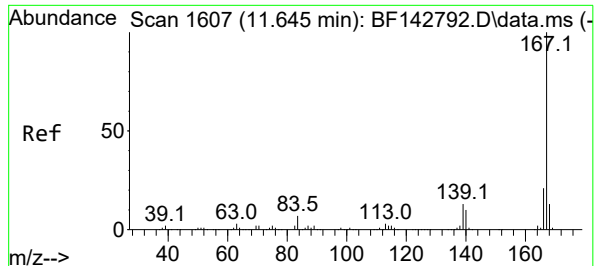
Tgt Ion:178 Resp: 151997
Ion Ratio Lower Upper
178 100
176 18.8 15.1 22.7
179 15.1 12.0 18.0



#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

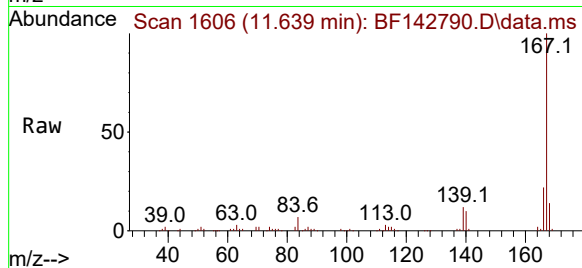
Tgt Ion:178 Resp: 153376
Ion Ratio Lower Upper
178 100
176 18.2 14.6 21.8
179 15.0 12.4 18.6



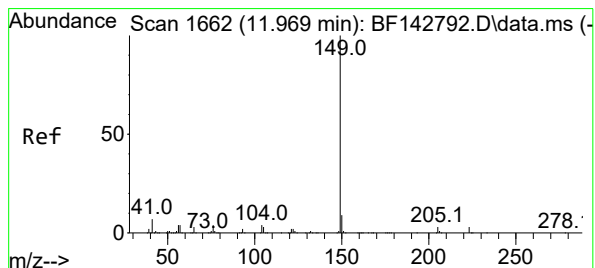
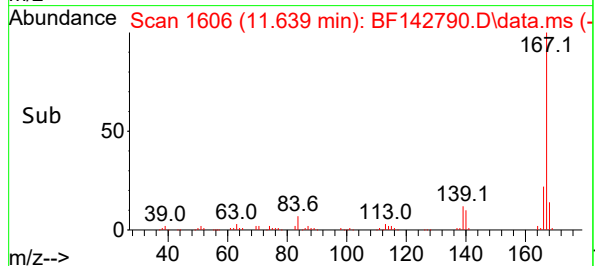
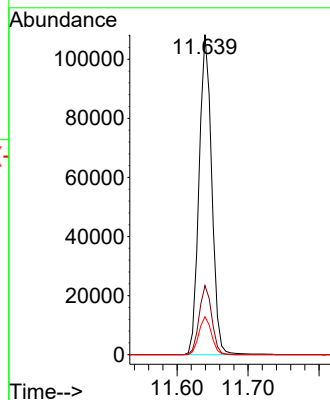


#73
Carbazole
Concen: 10.625 ng
RT: 11.639 min Scan# 1606
Delta R.T. -0.006 min
Lab File: BF142790.D
Acq: 19 Jun 2025 18:08

Instrument :
BNA_F
ClientSampleId :
SSTDICC010

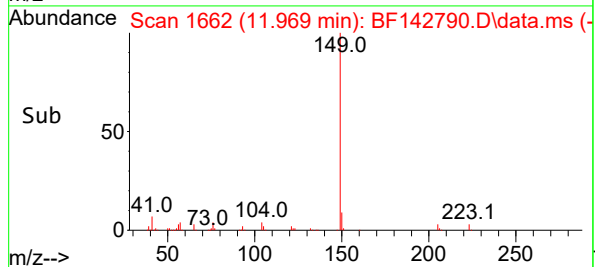
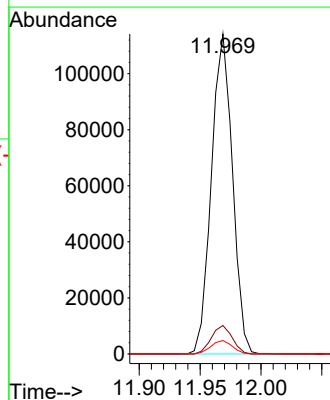
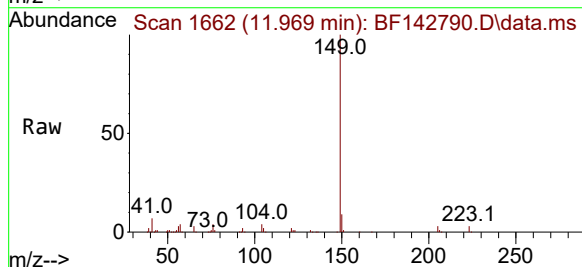


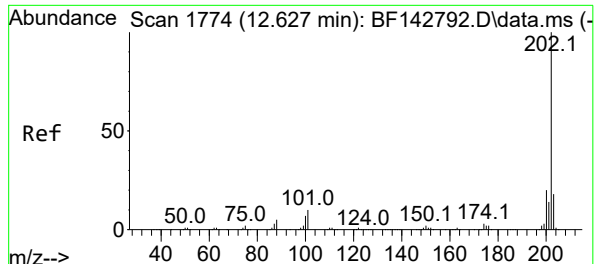
Tgt Ion:167 Resp: 134656
Ion Ratio Lower Upper
167 100
166 21.6 17.0 25.4
139 11.8 10.2 15.2



#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

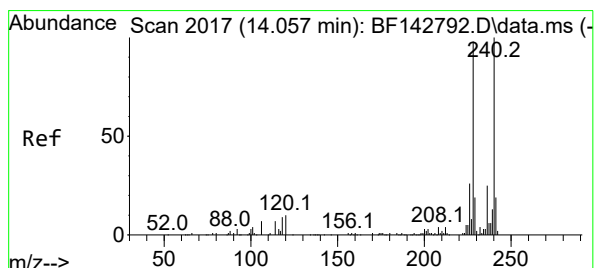
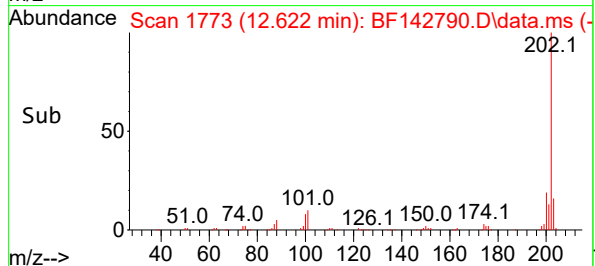
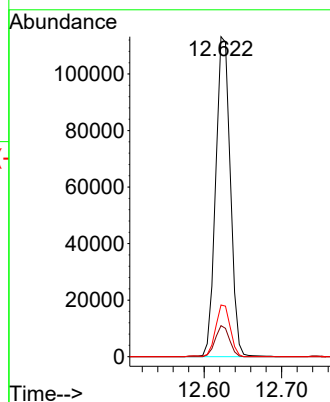
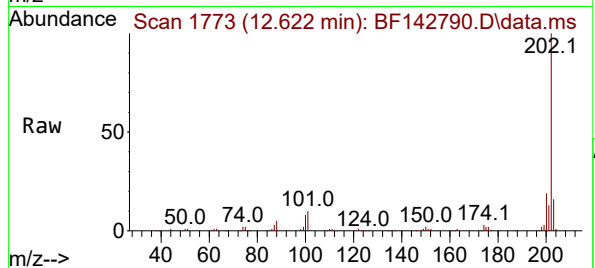




#75
Fluoranthene
Concen: 10.693 ng
RT: 12.622 min Scan# 1774
Delta R.T. -0.006 min
Lab File: BF142790.D
Acq: 19 Jun 2025 18:08

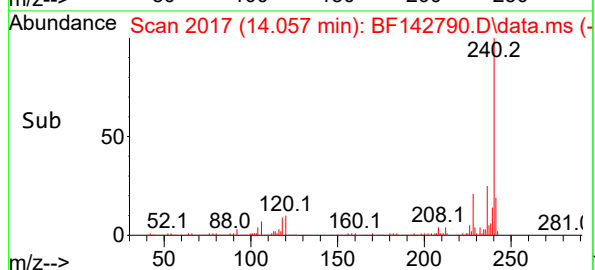
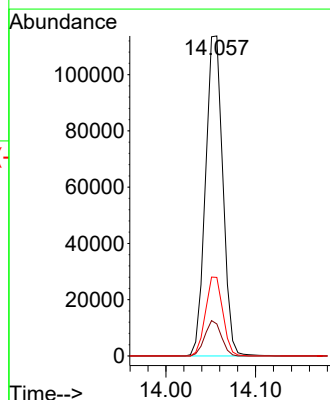
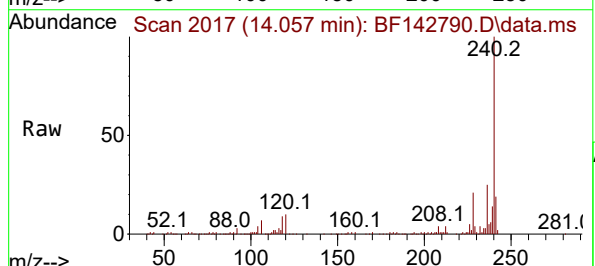
Instrument :
BNA_F
ClientSampleId :
SSTDICC010

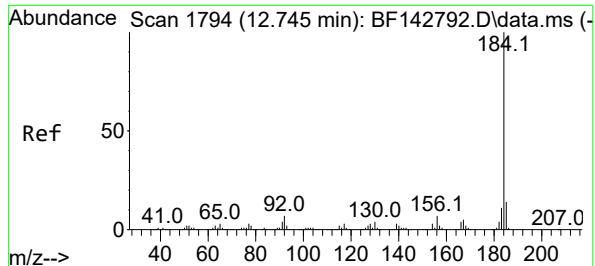
Tgt Ion:202 Resp: 148540
Ion Ratio Lower Upper
202 100
101 9.7 0.0 29.7
203 16.2 0.0 37.5



#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

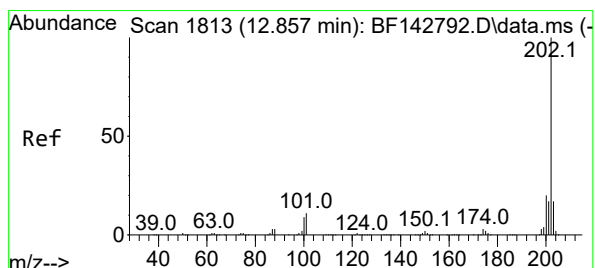
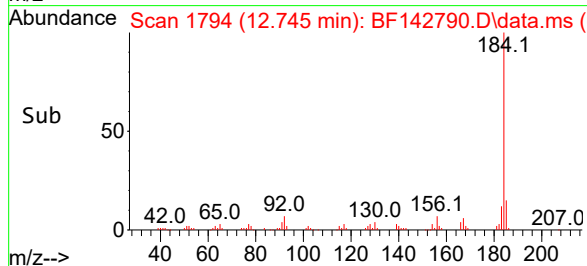
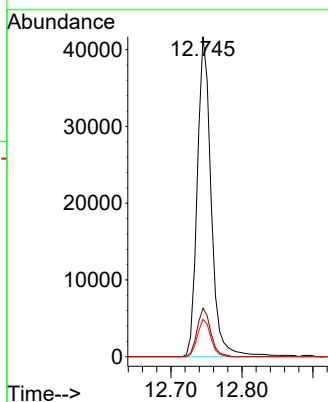
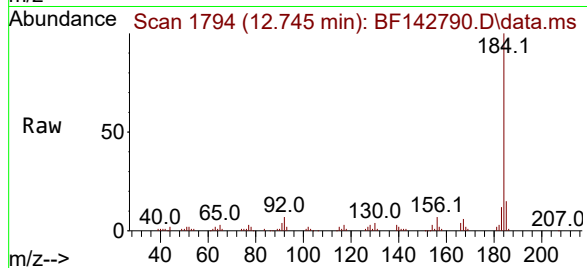
Tgt Ion:184 Resp: 56769

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

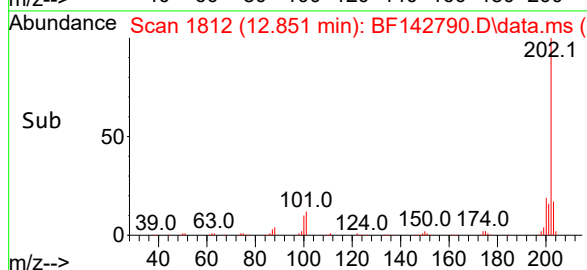
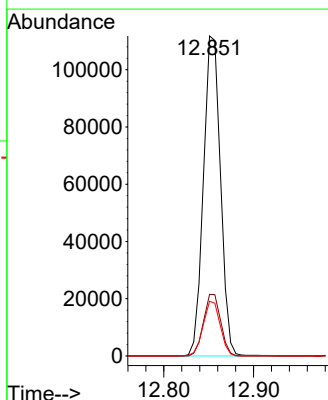
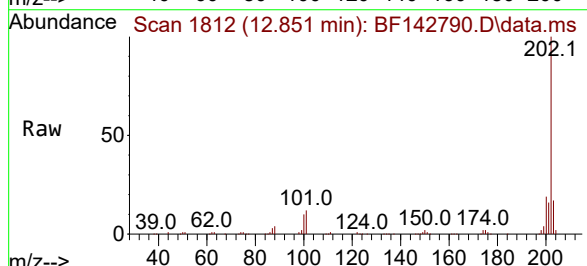
Tgt Ion:202 Resp: 147819

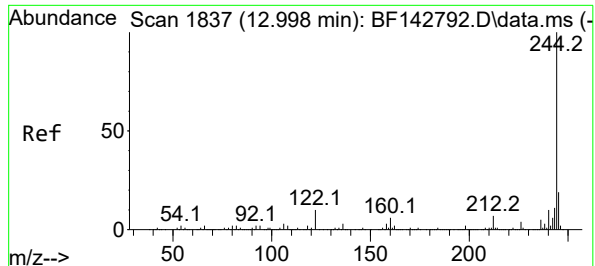
Ion Ratio Lower Upper

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

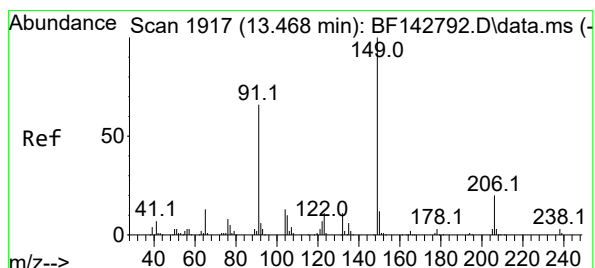
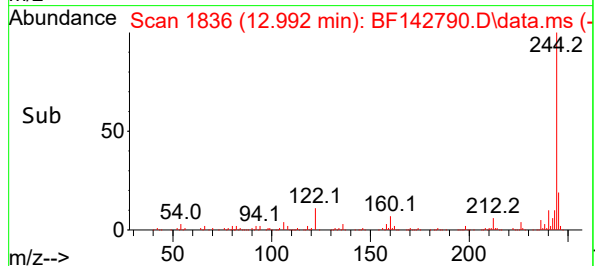
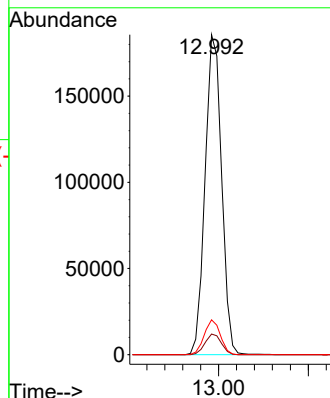
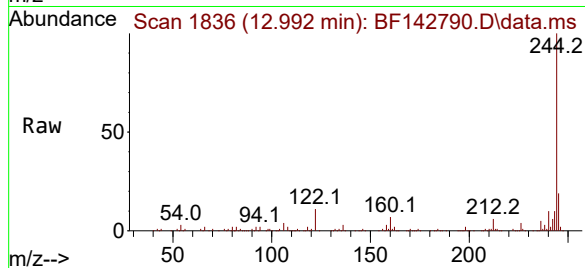
Tgt Ion:244 Resp: 237037

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

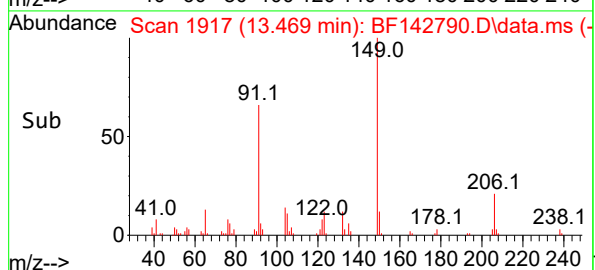
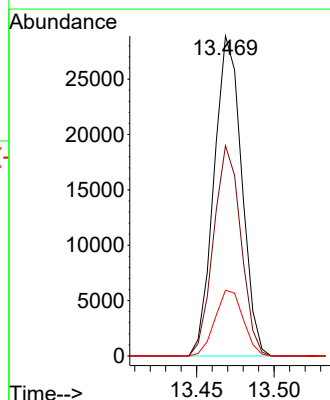
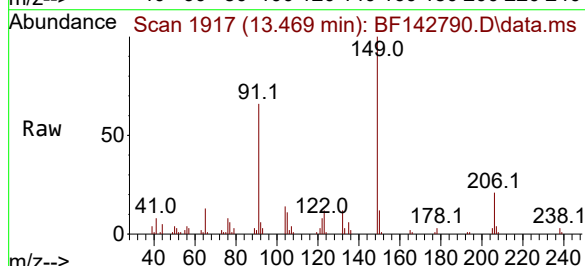
Tgt Ion:149 Resp: 35843

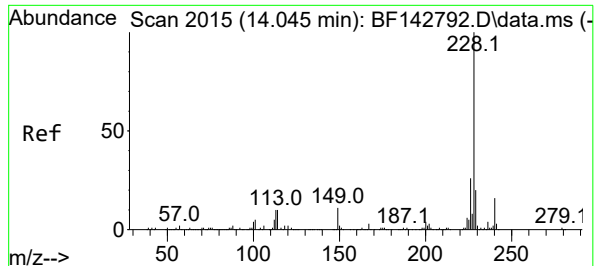
Ion Ratio Lower Upper

149 100

91 65.7 52.9 79.3

206 20.5 16.3 24.5

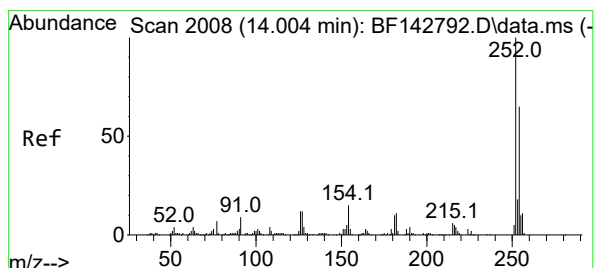
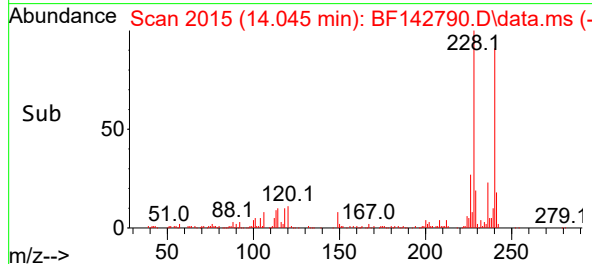
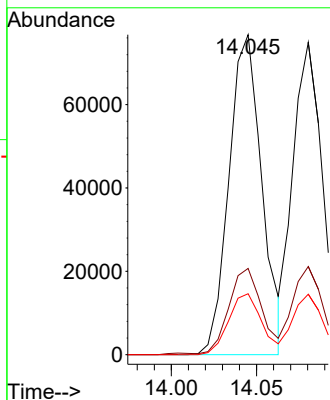
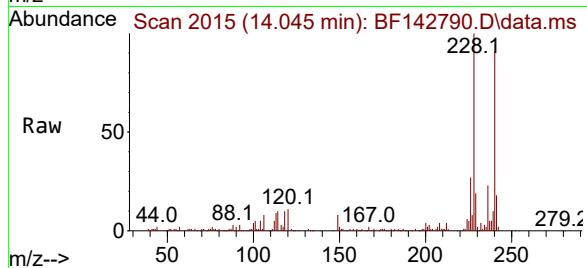




#81
Benzo(a)anthracene
Concen: 10.345 ng
RT: 14.045 min Scan# 2015
Delta R.T. 0.000 min
Lab File: BF142790.D
Acq: 19 Jun 2025 18:08

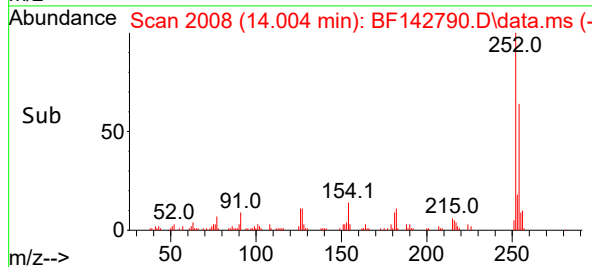
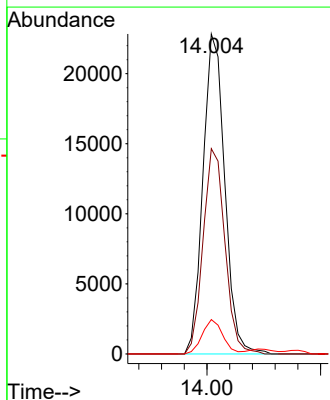
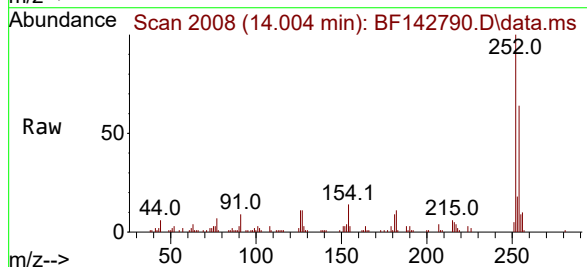
Instrument :
BNA_F
ClientSampleId :
SSTDICC010

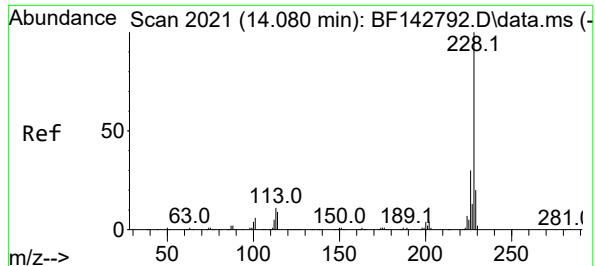
Tgt Ion:228 Resp: 103495
Ion Ratio Lower Upper
228 100
226 27.0 21.2 31.8
229 19.1 15.6 23.4



#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

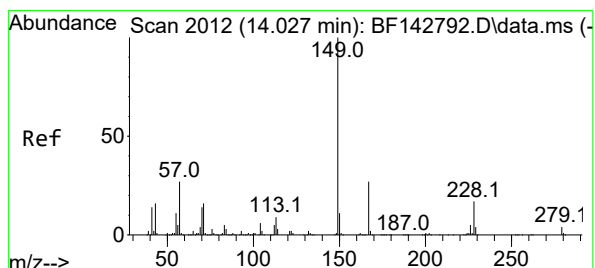
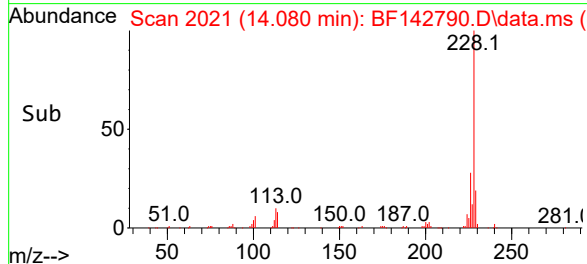
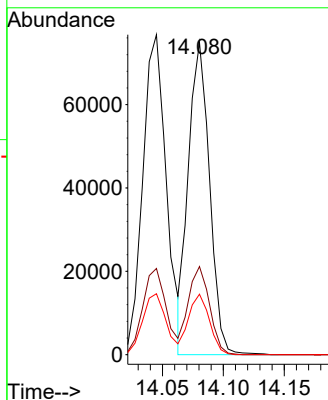
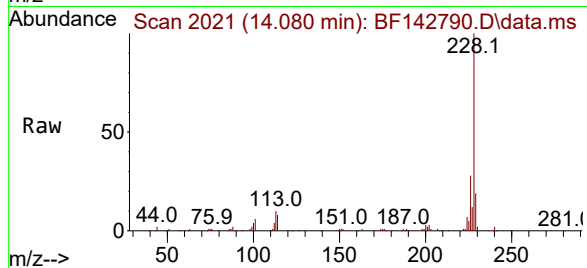




#83
Chrysene
Concen: 9.741 ng
RT: 14.080 min Scan# 2021
Delta R.T. 0.000 min
Lab File: BF142790.D
Acq: 19 Jun 2025 18:08

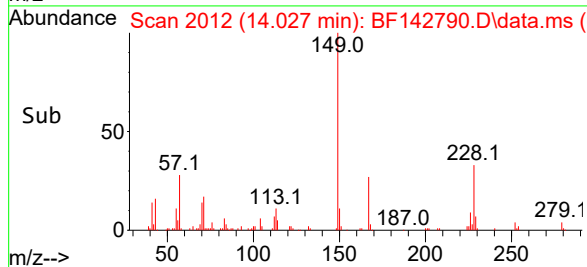
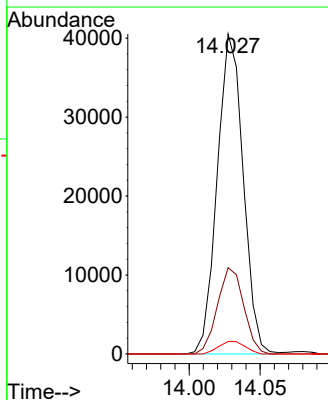
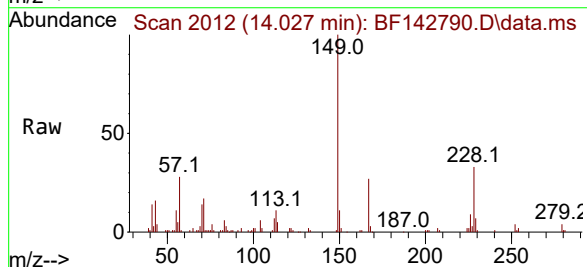
Instrument :
BNA_F
ClientSampleId :
SSTDICC010

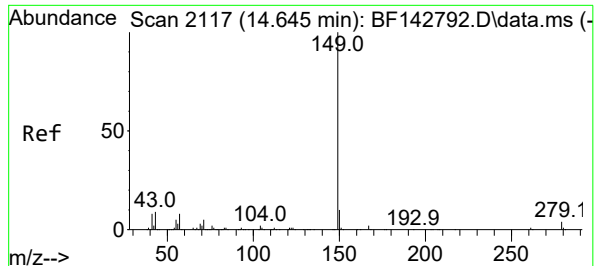
Tgt Ion	Ratio	Lower	Upper
228	100		
226	28.2	23.7	35.5
229	19.4	15.7	23.5



#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

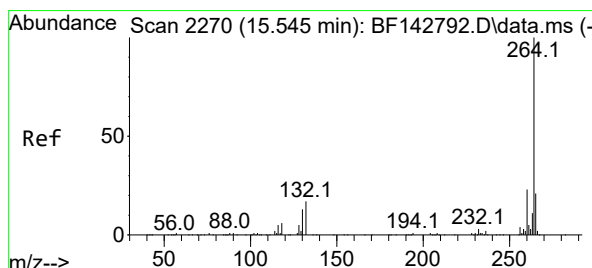
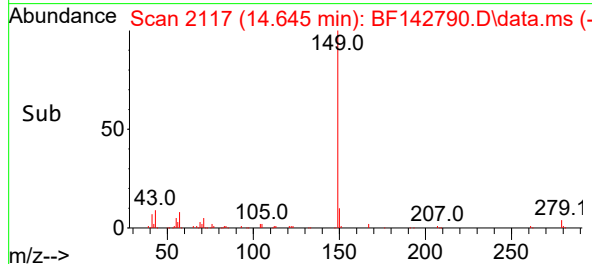
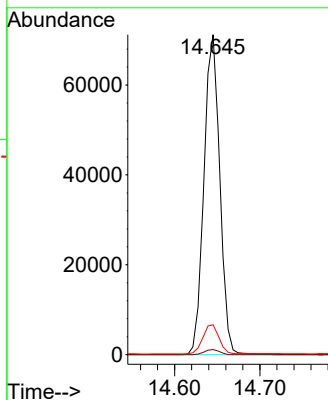
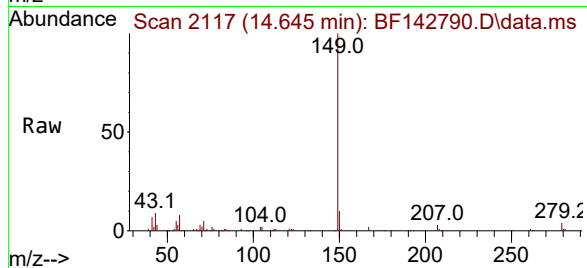




#85
Di-n-octyl phthalate
Concen: 7.805 ng
RT: 14.645 min Scan# 2117
Delta R.T. 0.000 min
Lab File: BF142790.D
Acq: 19 Jun 2025 18:08

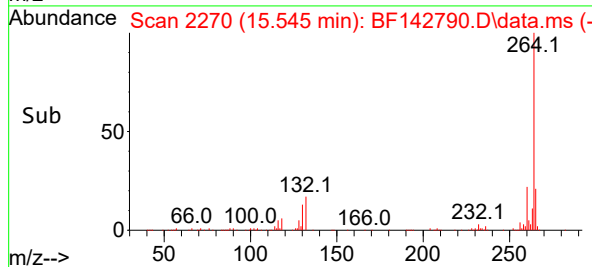
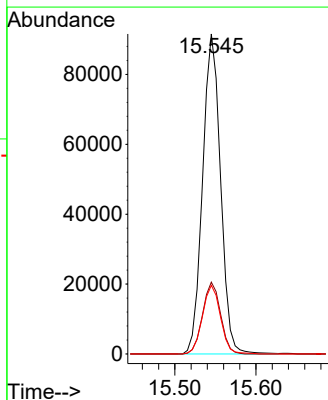
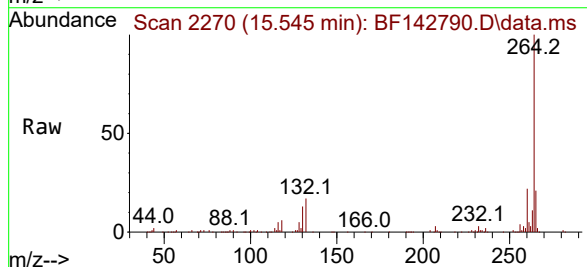
Instrument :
BNA_F
ClientSampleId :
SSTDICC010

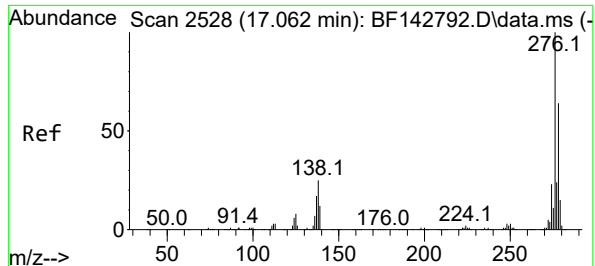
Tgt Ion	Ratio	Lower	Upper
149	100		
167	1.5	1.3	1.9
43	9.3	7.6	11.4



#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

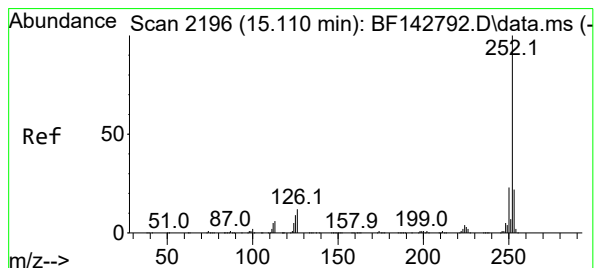
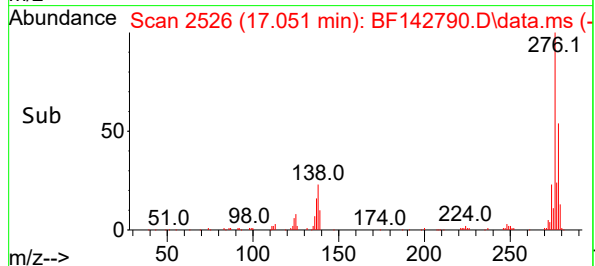
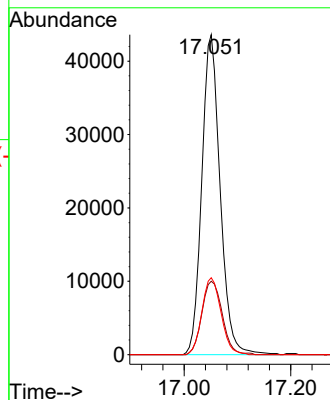
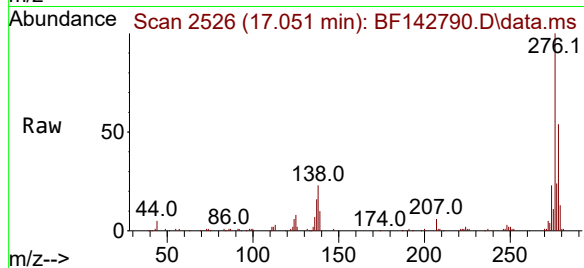
Tgt Ion:276 Resp: 104445

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

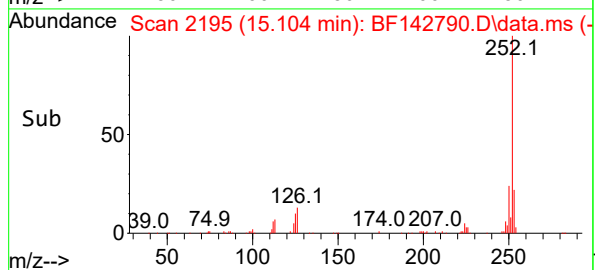
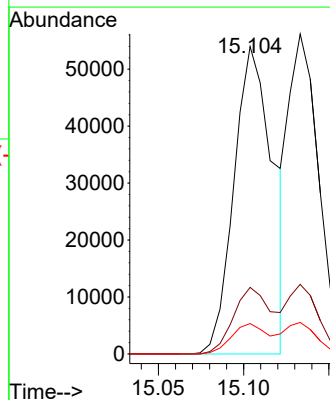
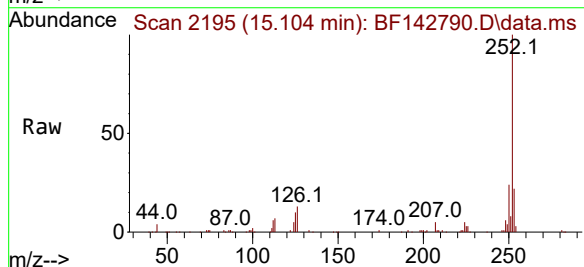
Tgt Ion:252 Resp: 85689

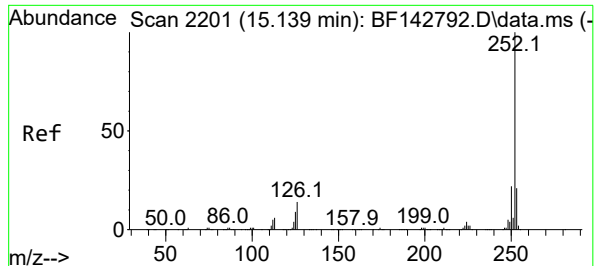
Ion Ratio Lower Upper

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

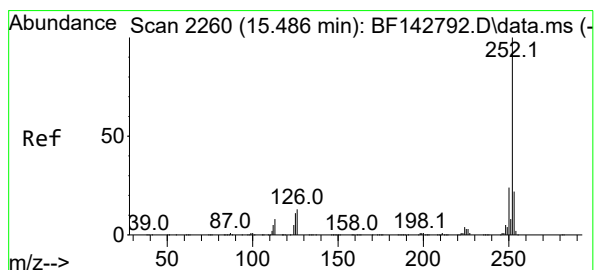
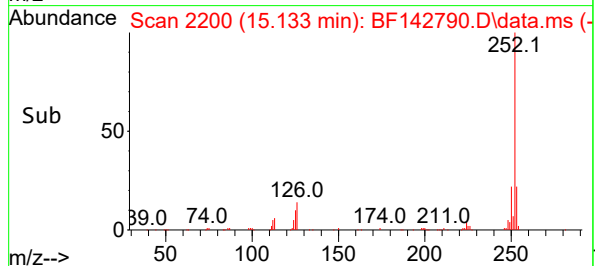
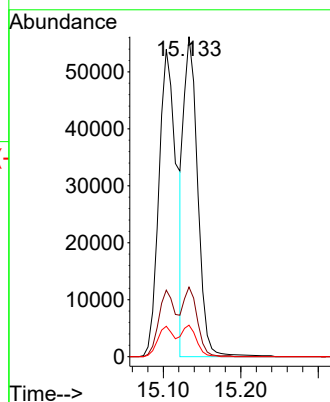
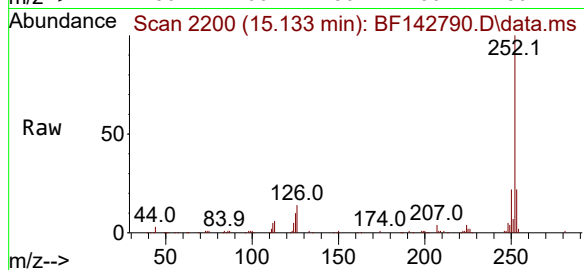
Tgt Ion:252 Resp: 70470

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

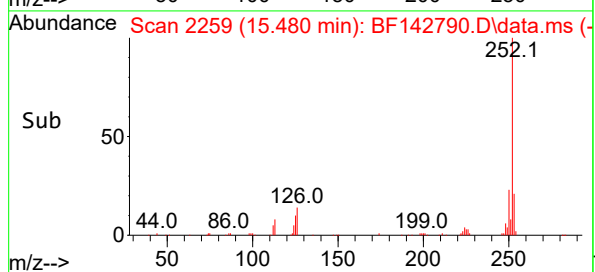
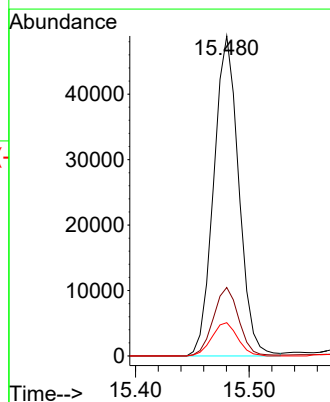
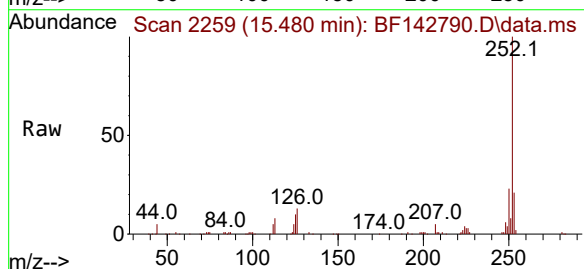
Tgt Ion:252 Resp: 74803

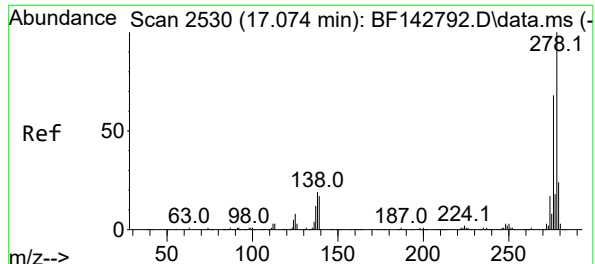
Ion Ratio Lower Upper

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

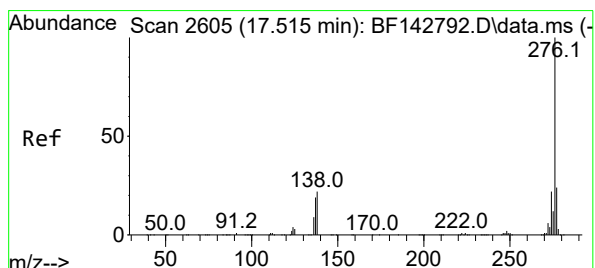
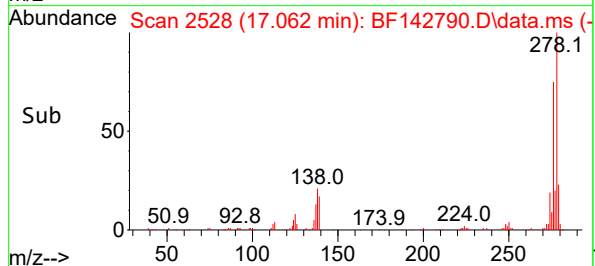
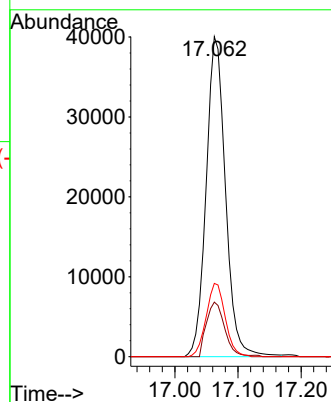
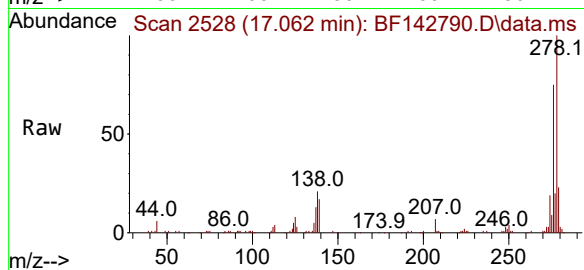
Tgt Ion:278 Resp: 85238

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

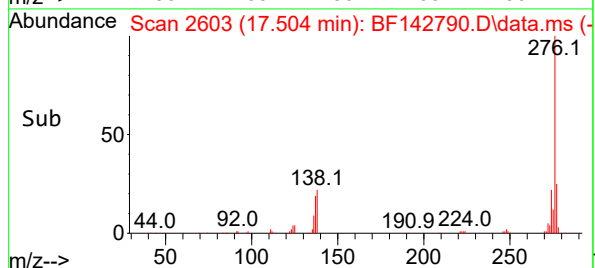
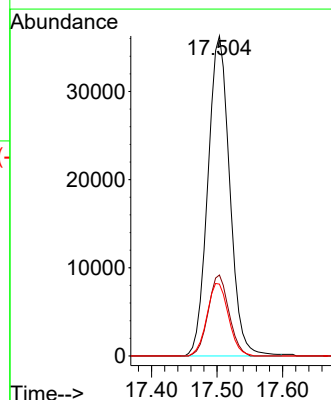
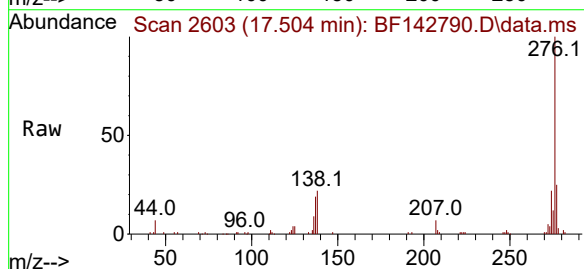
Tgt Ion:276 Resp: 84115

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

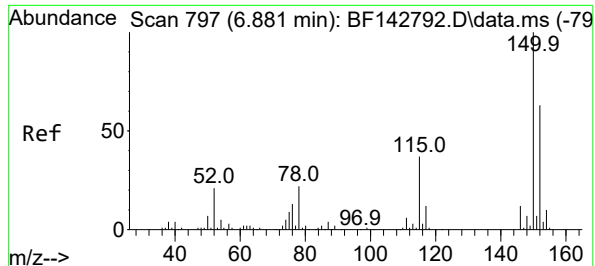
Quant Time: Jun 20 04:39:16 2025
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF061925.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Fri Jun 20 04:36:38 2025
 Response via : Initial Calibration

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

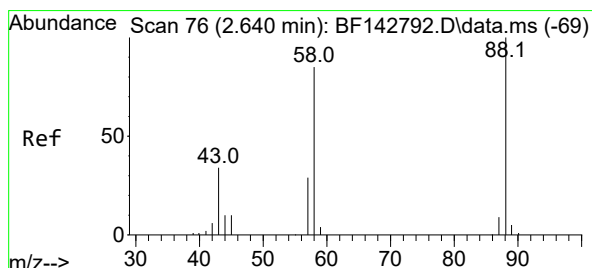
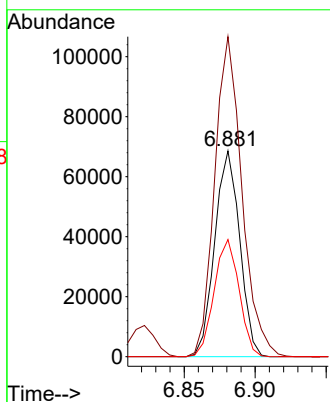
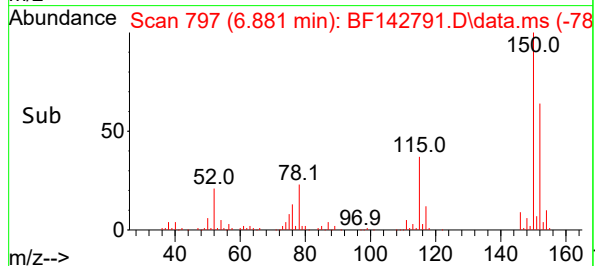
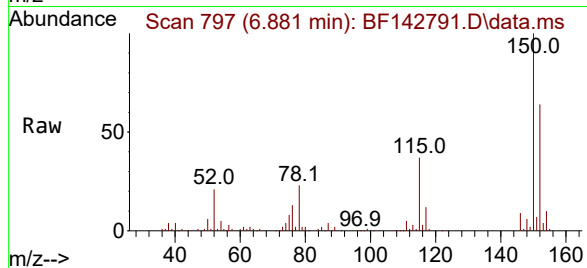
[illegible]



#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

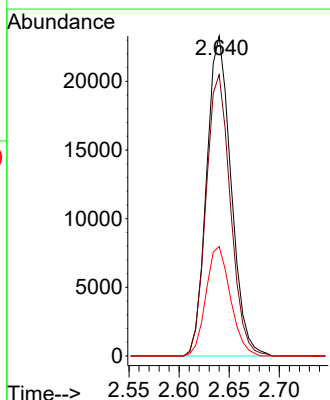
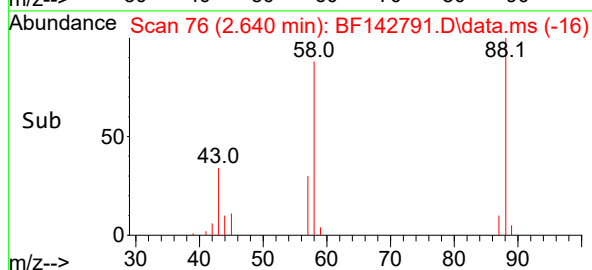
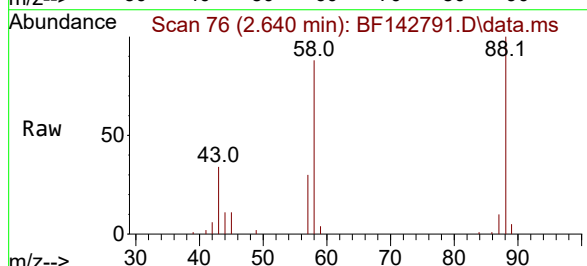
Instrument :
BNA_F
ClientSampleId :
SSTDICC020

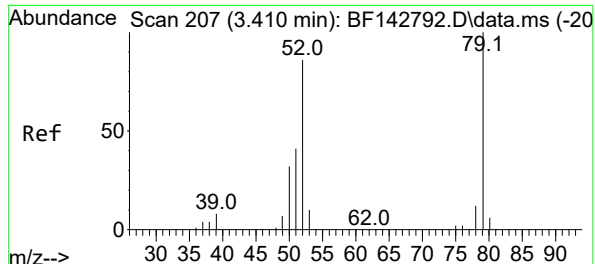
Tgt Ion:152 Resp: 83780
Ion Ratio Lower Upper
152 100
150 155.5 127.2 190.8
115 56.9 46.6 69.8



#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

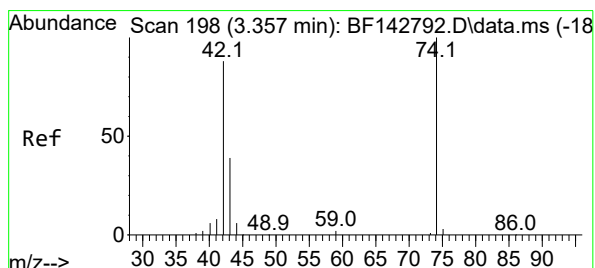
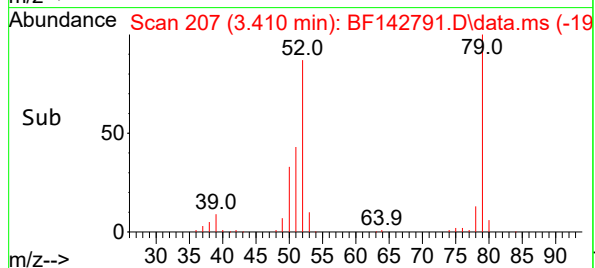
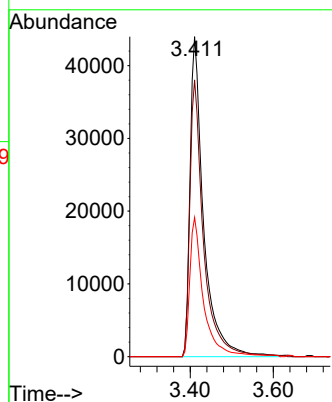
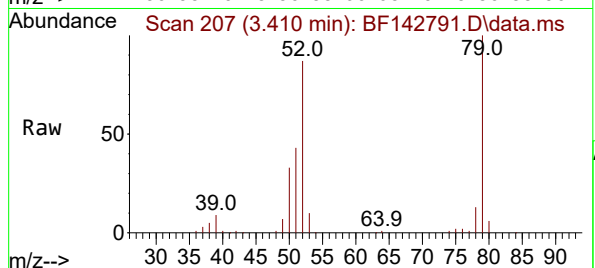
Tgt Ion: 79 Resp: 99721

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

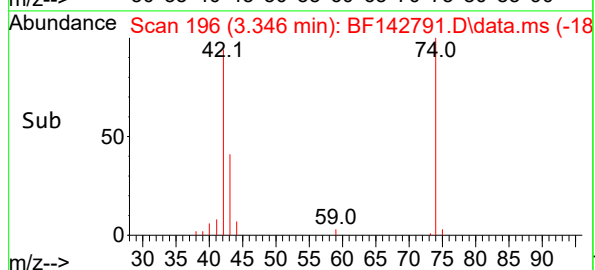
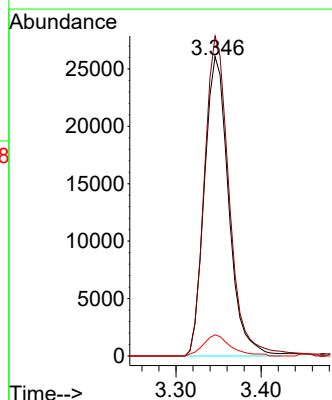
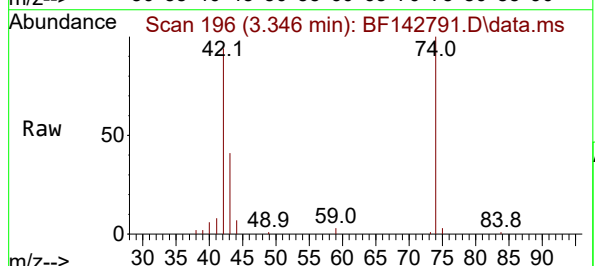
Tgt Ion: 42 Resp: 51716

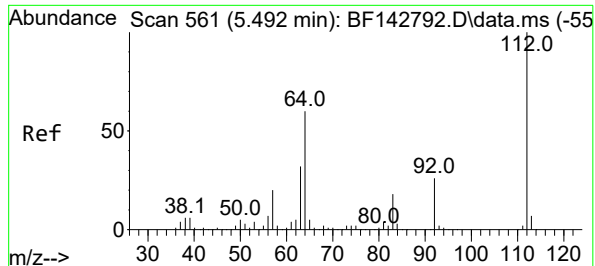
Ion Ratio Lower Upper

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

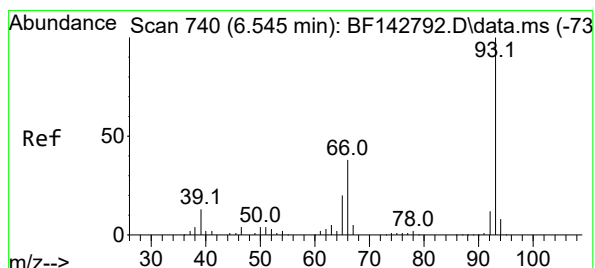
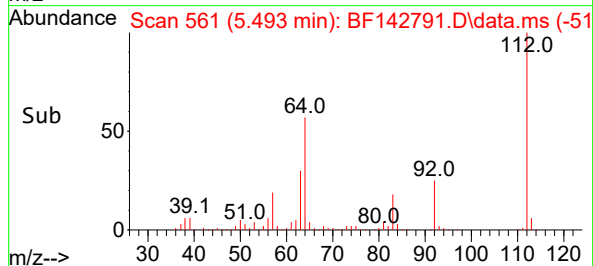
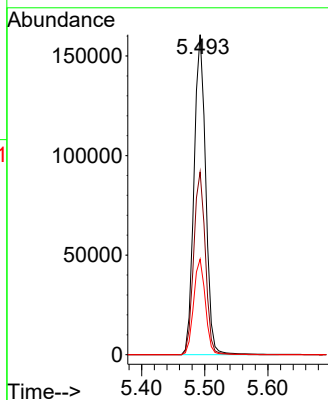
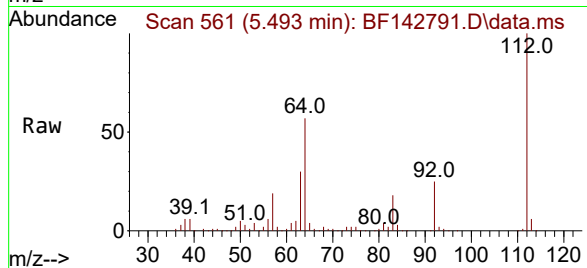
Tgt Ion:112 Resp: 206126

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

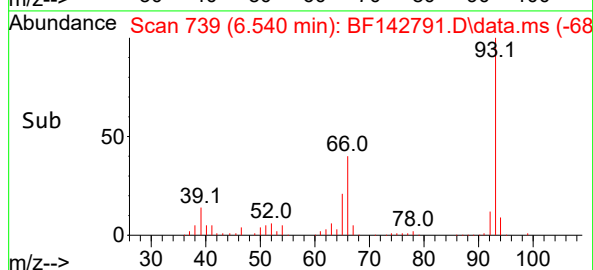
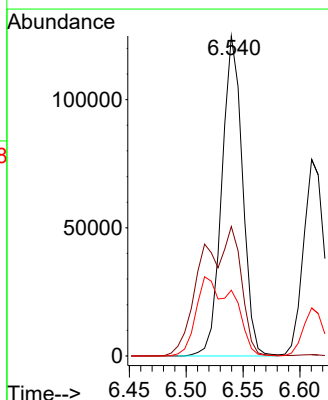
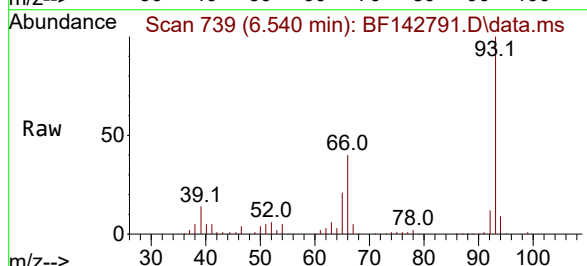
Tgt Ion: 93 Resp: 158463

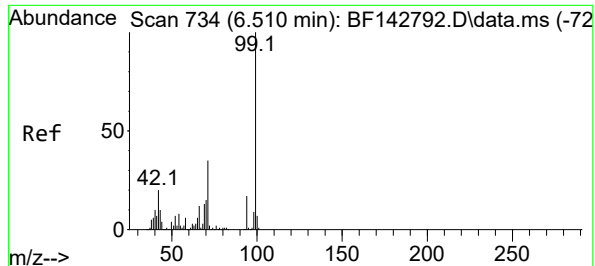
Ion Ratio Lower Upper

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

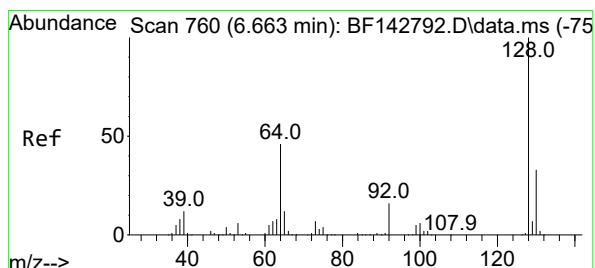
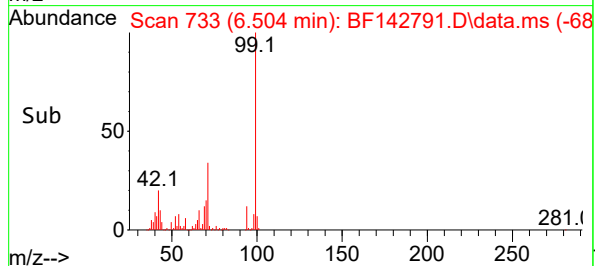
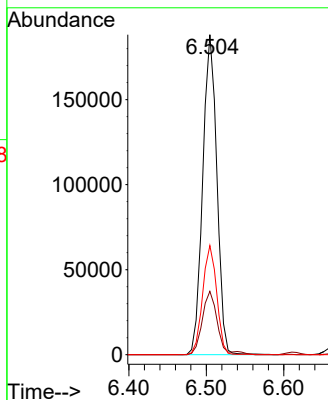
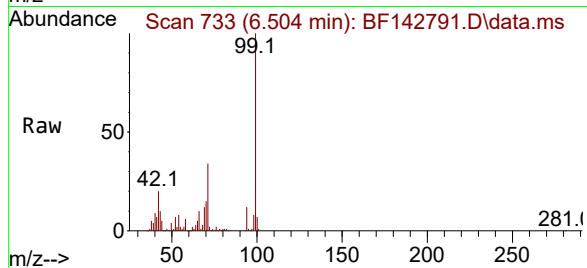
Tgt Ion: 99 Resp: 238437

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

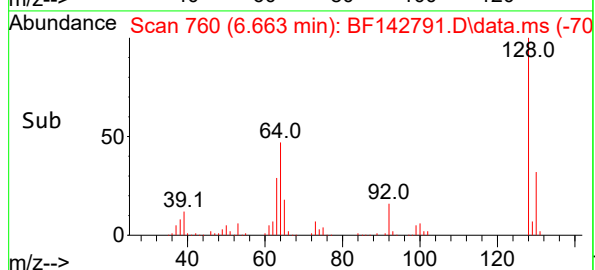
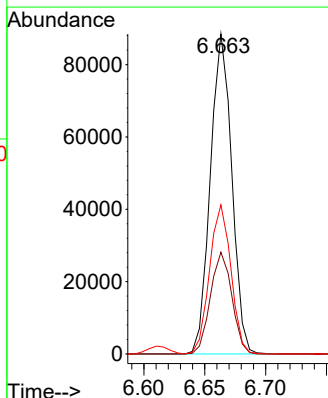
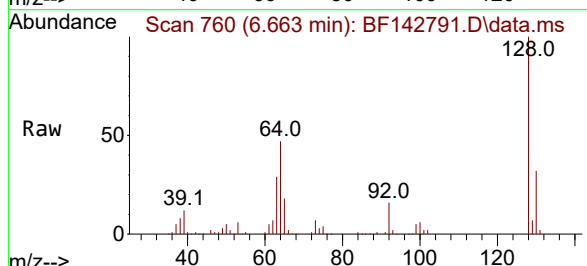
Tgt Ion:128 Resp: 108230

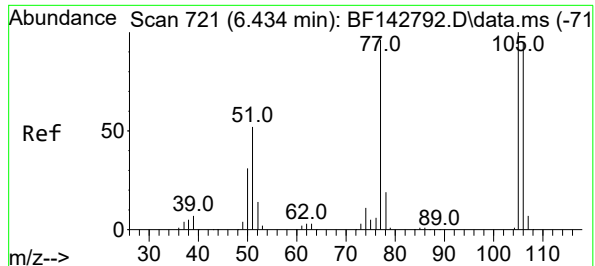
Ion Ratio Lower Upper

128 100

130 31.8 12.7 52.7

64 46.6 26.5 66.5

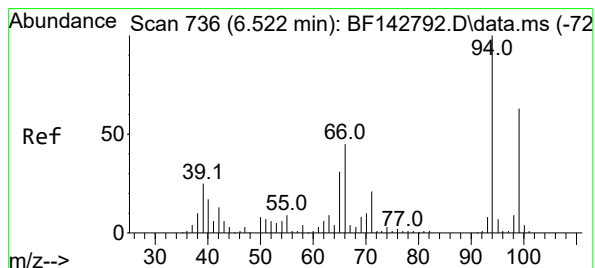
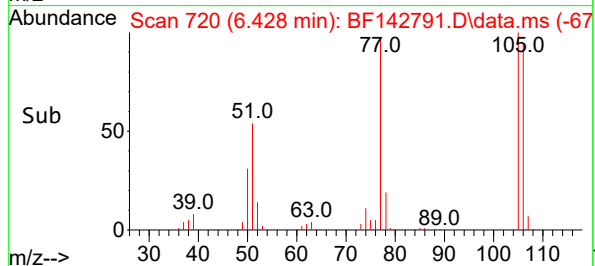
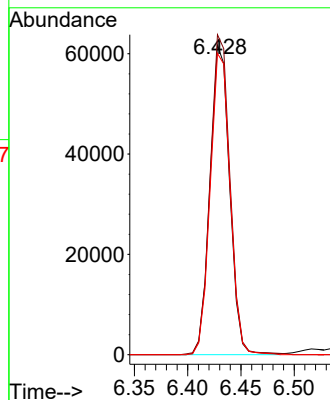
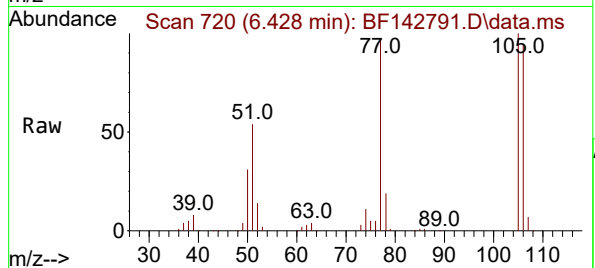




#9
Benzaldehyde
Concen: 22.467 ng
RT: 6.428 min Scan# 71
Delta R.T. -0.006 min
Lab File: BF142791.D
Acq: 19 Jun 2025 18:39

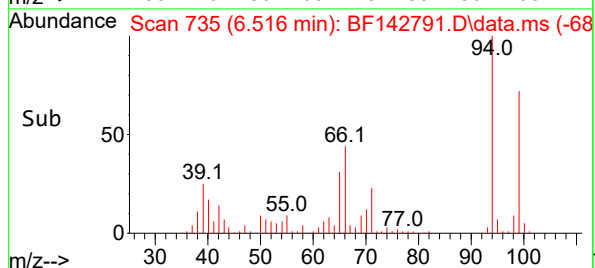
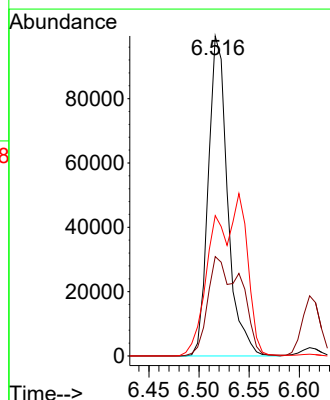
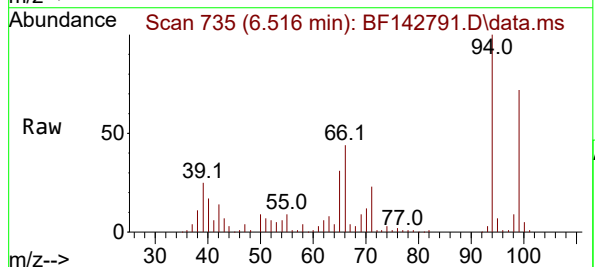
Instrument :
BNA_F
ClientSampleId :
SSTDICC020

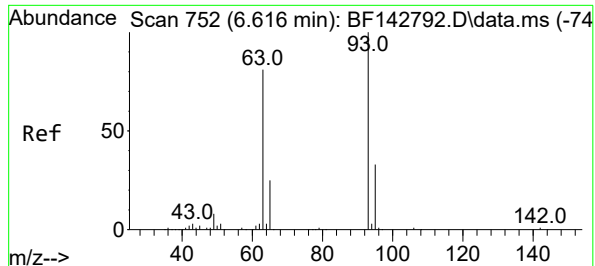
Tgt Ion: 77 Resp: 79008
Ion Ratio Lower Upper
77 100
105 103.4 83.8 123.8
106 97.4 78.7 118.7



#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

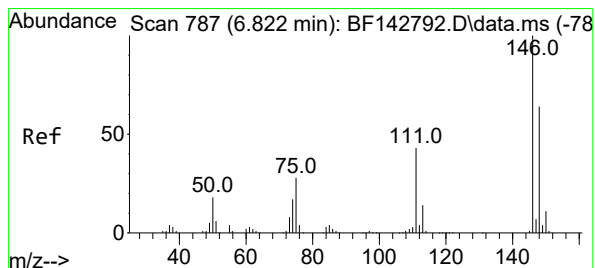
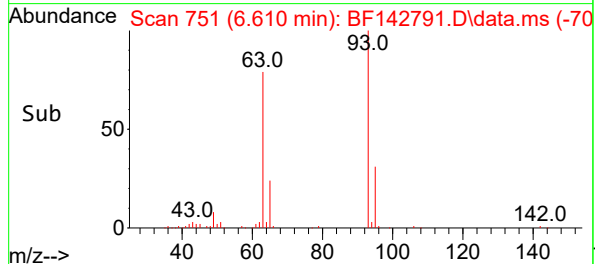
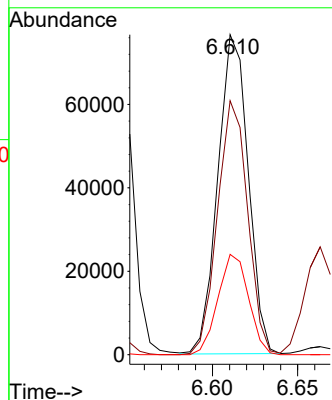
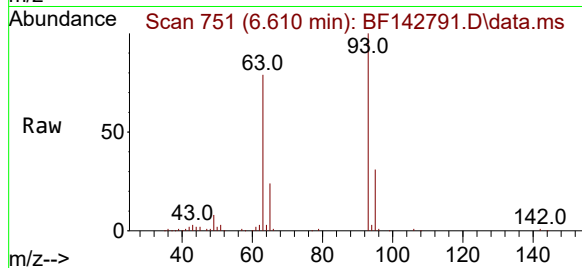




#11
bis(2-Chloroethyl)ether
Concen: 19.905 ng
RT: 6.610 min Scan# 751
Delta R.T. -0.006 min
Lab File: BF142791.D
Acq: 19 Jun 2025 18:39

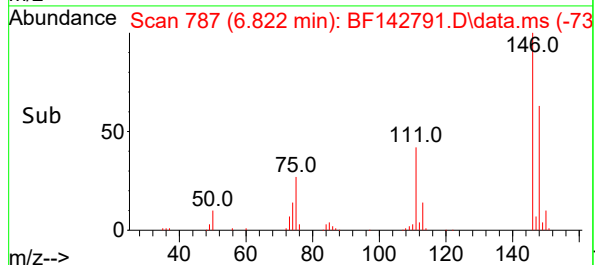
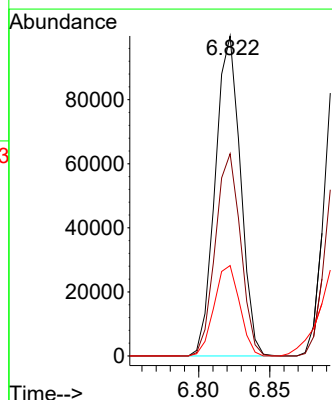
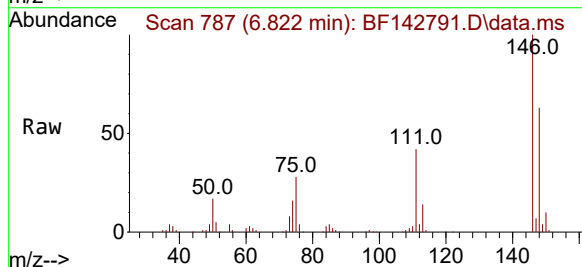
Instrument :
BNA_F
ClientSampleId :
SSTDICC020

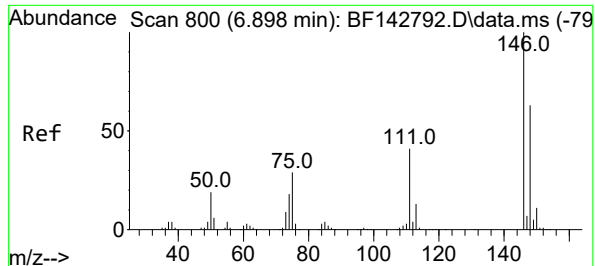
Tgt Ion: 93 Resp: 94972
Ion Ratio Lower Upper
93 100
63 79.3 60.3 100.3
95 31.3 12.5 52.5



#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

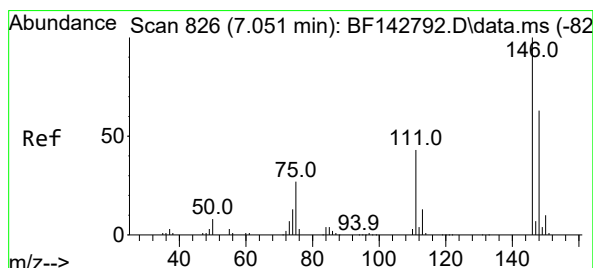
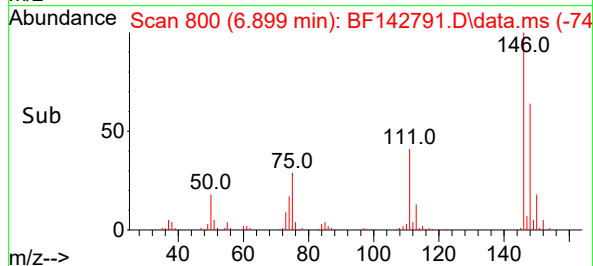
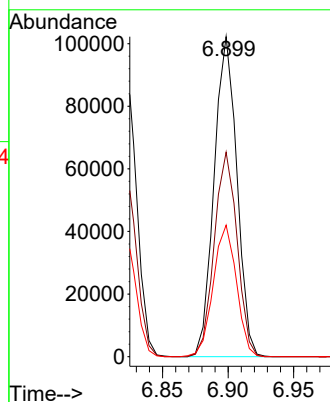
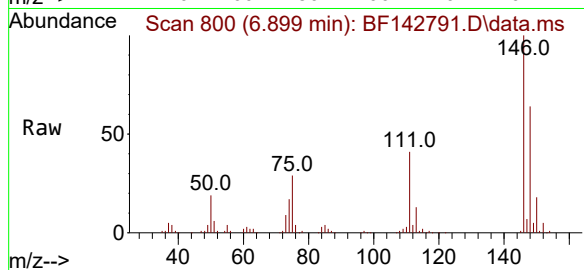
Tgt Ion:146 Resp: 123337

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

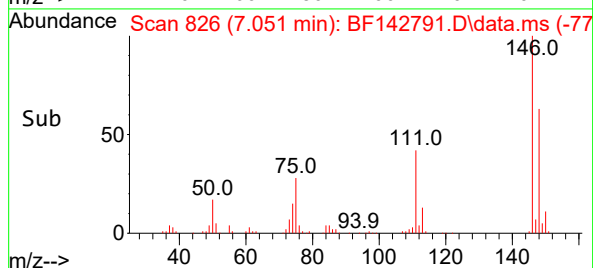
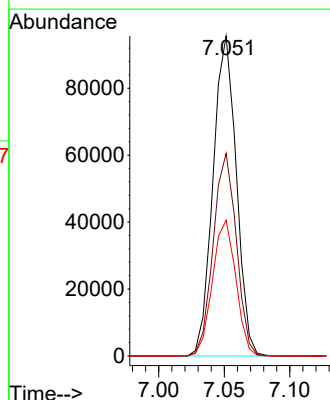
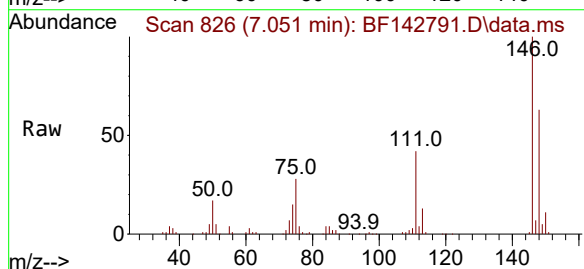
Tgt Ion:146 Resp: 118033

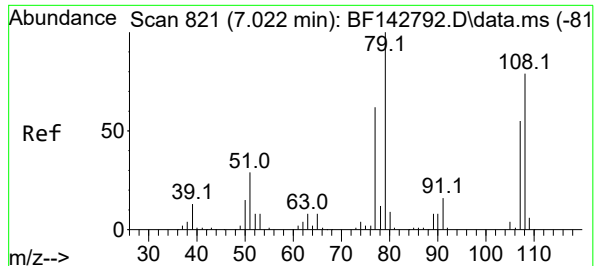
Ion Ratio Lower Upper

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

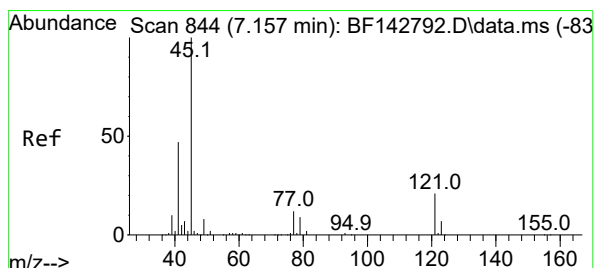
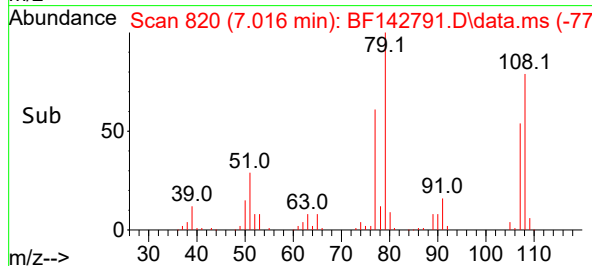
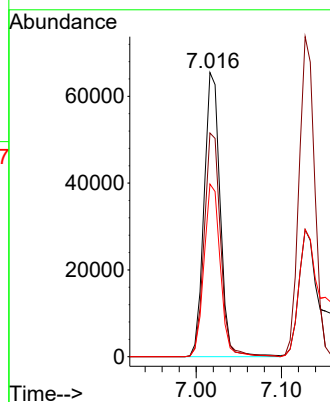
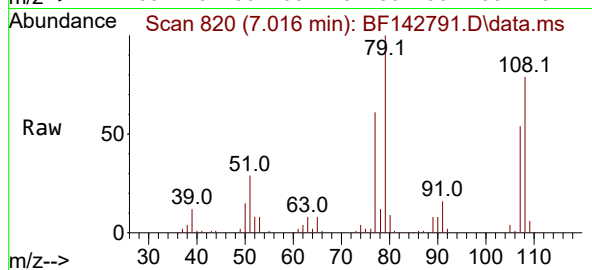
Tgt Ion: 79 Resp: 85856

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

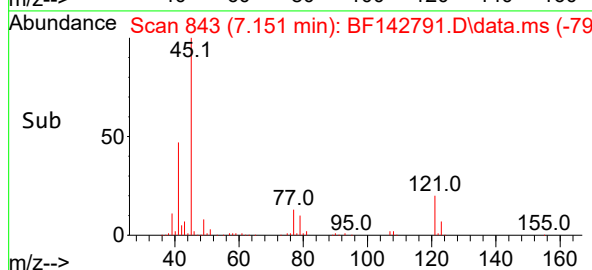
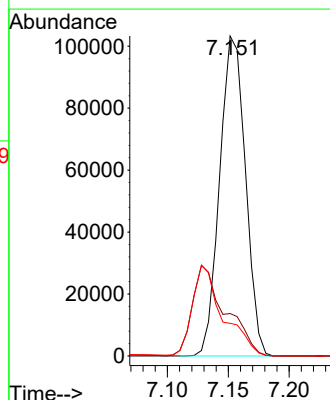
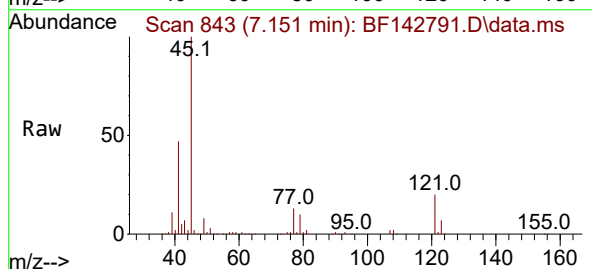
Tgt Ion: 45 Resp: 152035

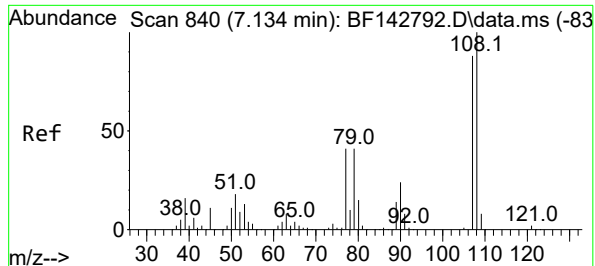
Ion Ratio Lower Upper

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

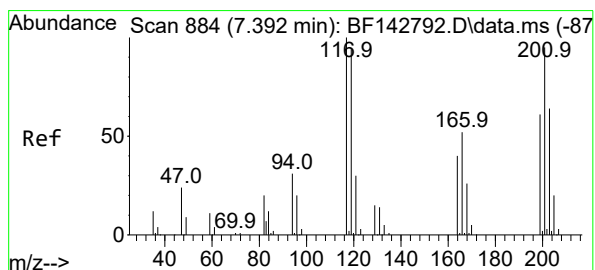
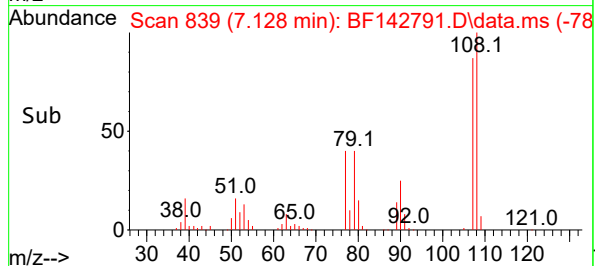
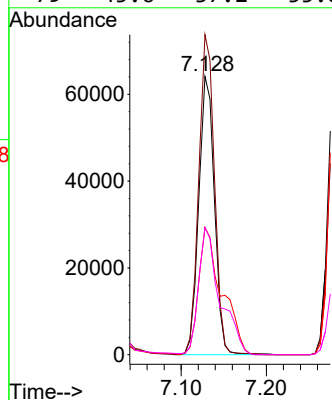
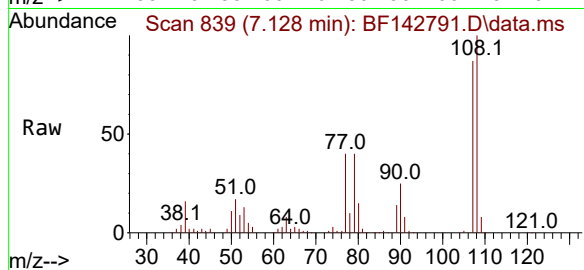
Ion Ratio Lower Upper

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

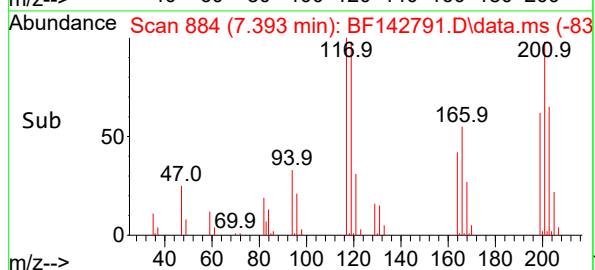
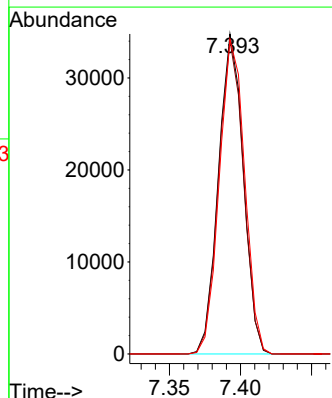
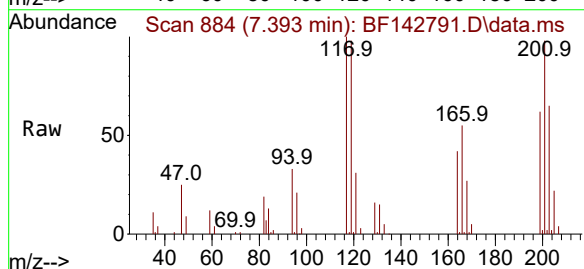
Tgt Ion:117 Resp: 42435

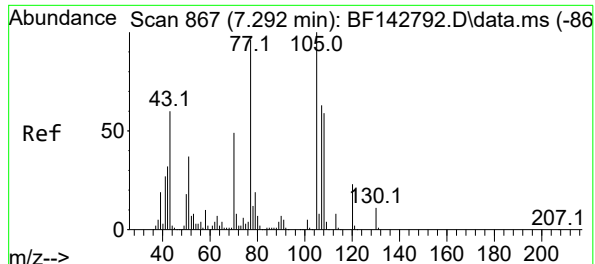
Ion Ratio Lower Upper

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# 866

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

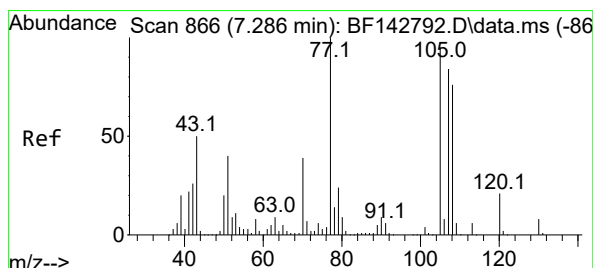
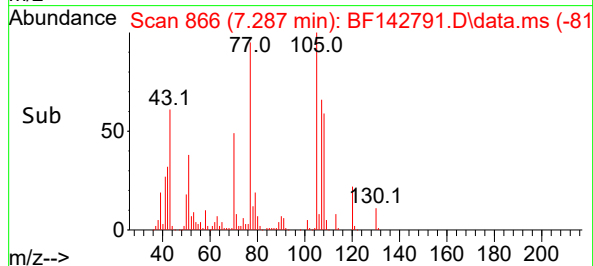
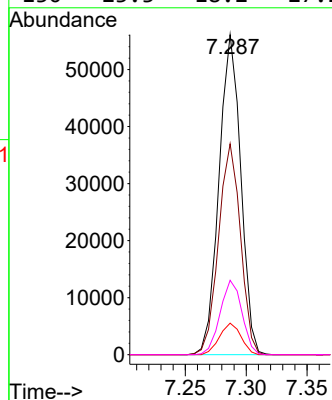
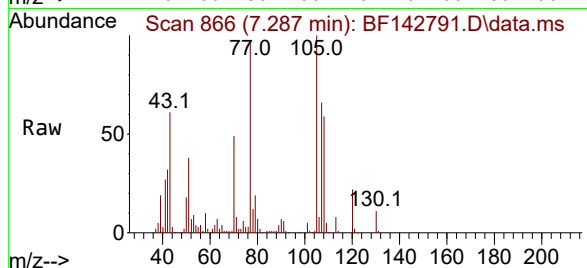
Ion Ratio Lower Upper

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

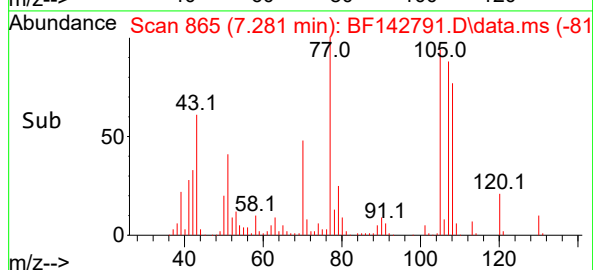
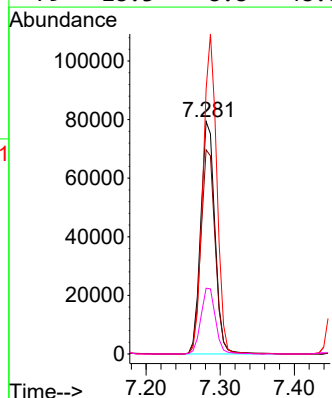
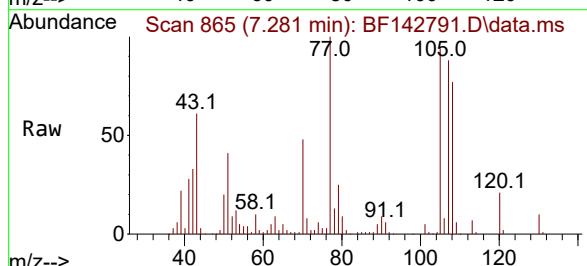
Ion Ratio Lower Upper

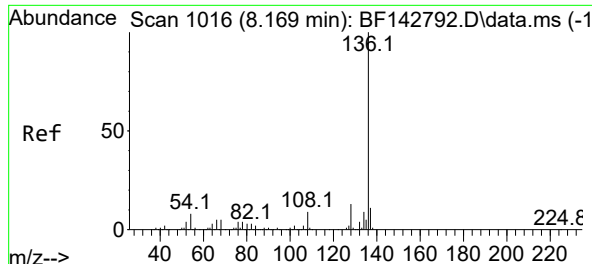
107 100

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

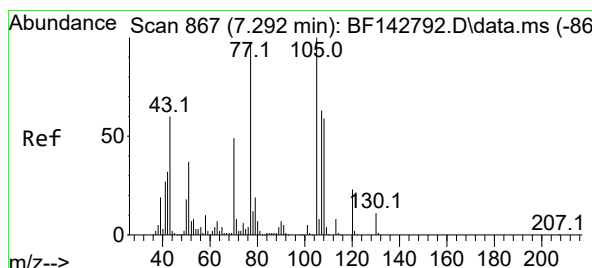
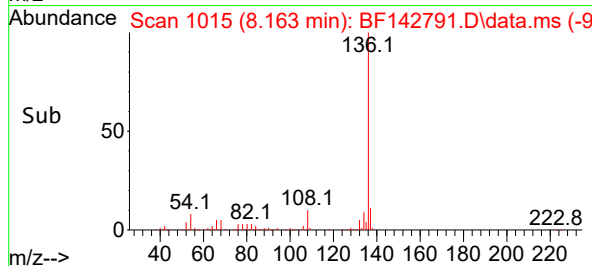
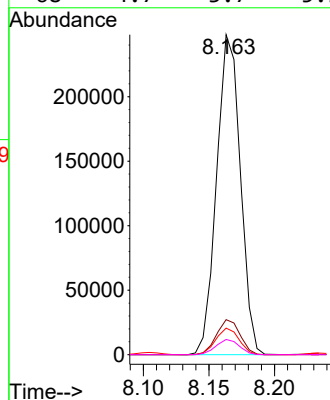
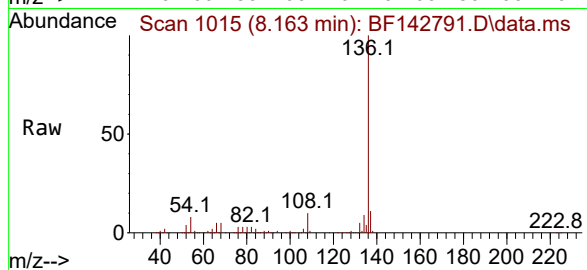
Ion Ratio Lower Upper

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

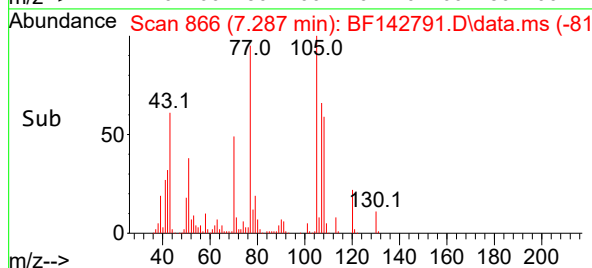
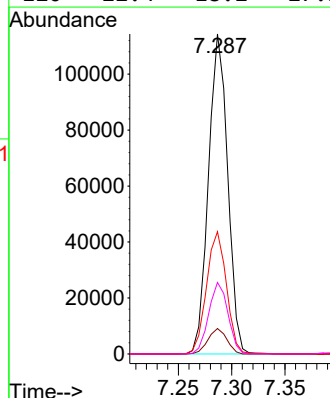
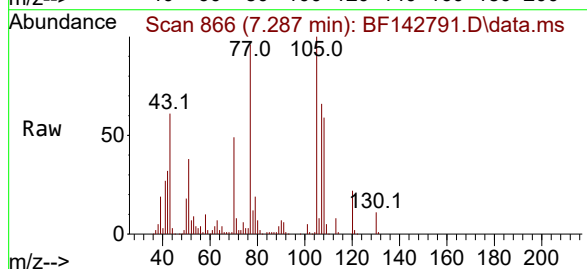
Ion Ratio Lower Upper

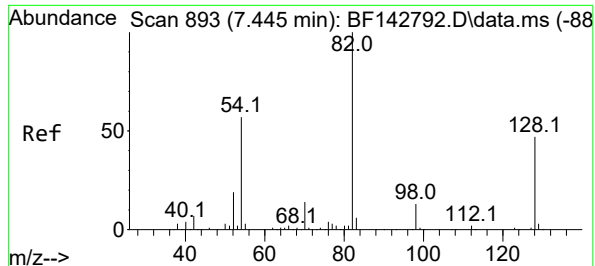
105 100

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

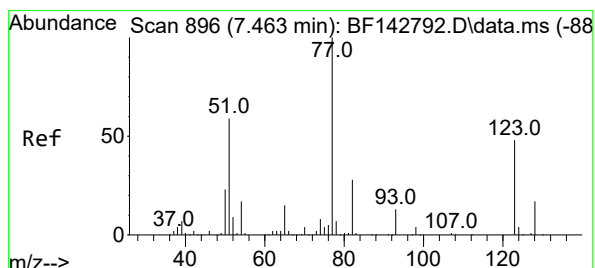
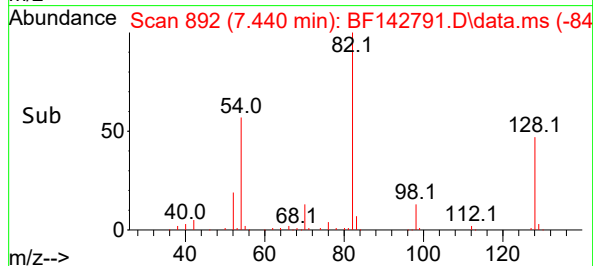
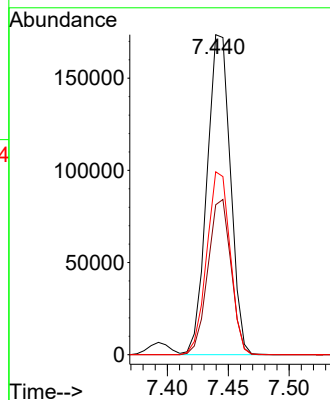
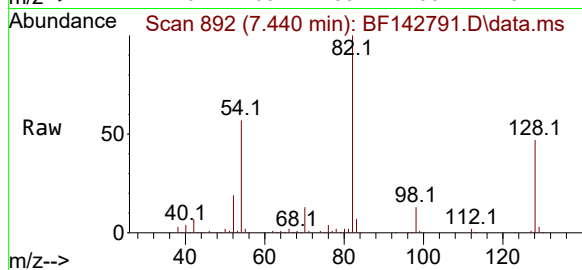
Tgt Ion: 82 Resp: 233268

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

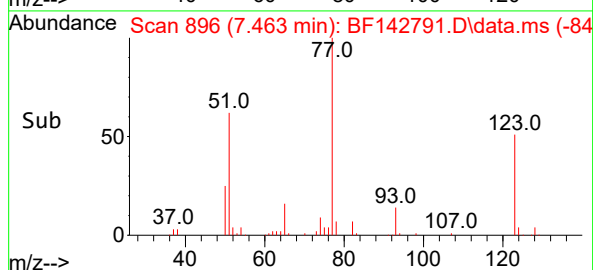
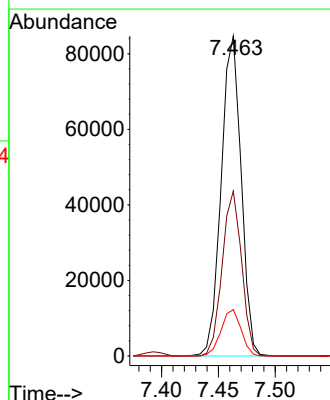
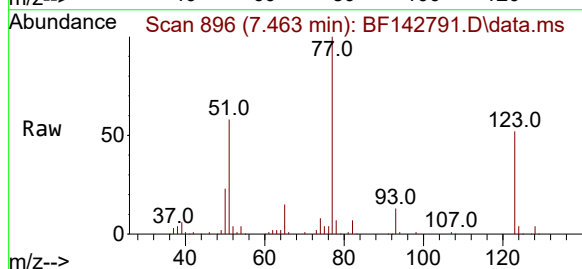
Tgt Ion: 77 Resp: 103569

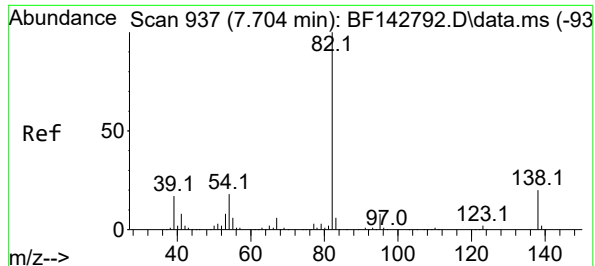
Ion Ratio Lower Upper

77 100

123 51.6 39.2 58.8

65 14.5 11.6 17.4

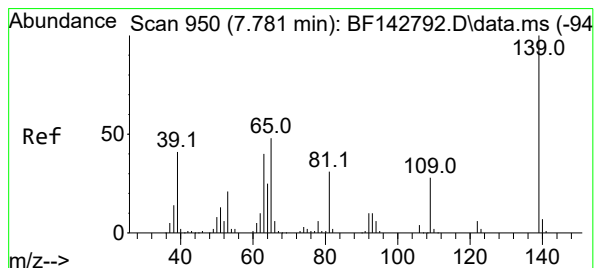
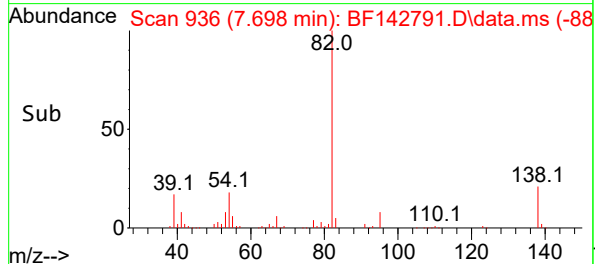
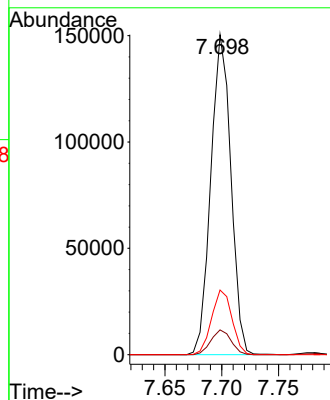
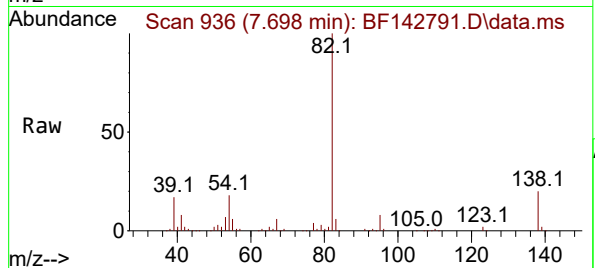




#25
Isophorone
Concen: 19.365 ng
RT: 7.698 min Scan# 91
Delta R.T. -0.006 min
Lab File: BF142791.D
Acq: 19 Jun 2025 18:39

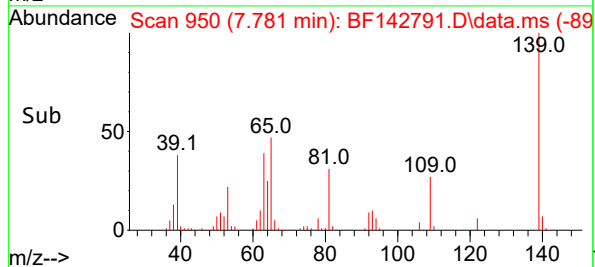
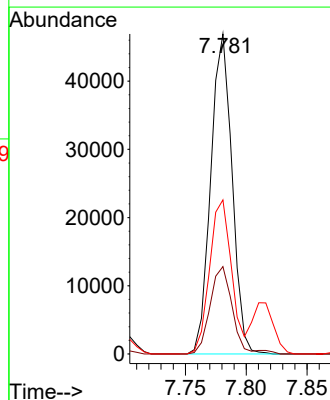
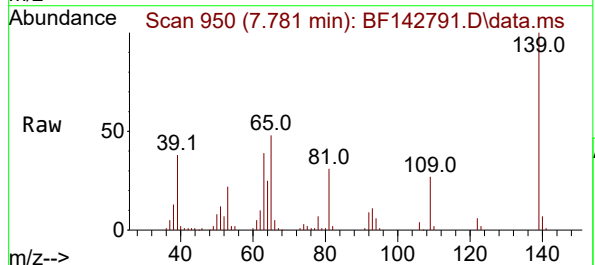
Instrument :
BNA_F
ClientSampleId :
SSTDICC020

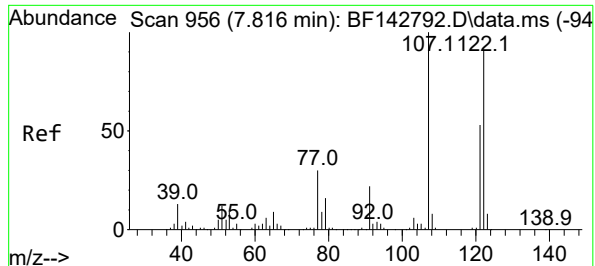
Tgt Ion: 82 Resp: 185071
Ion Ratio Lower Upper
82 100
95 7.8 6.2 9.2
138 20.2 16.2 24.4



#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

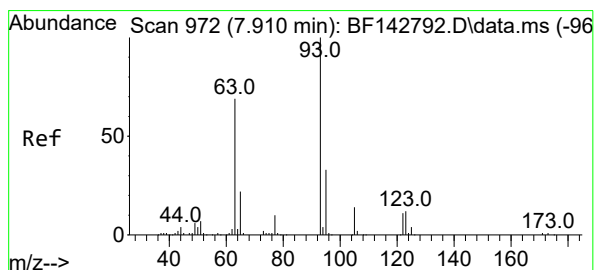
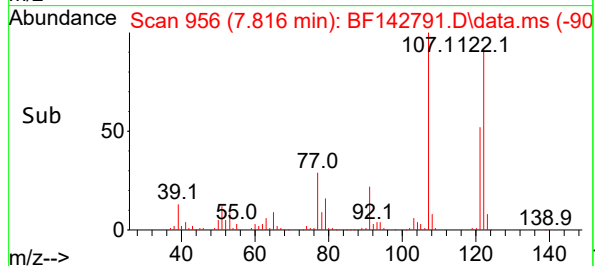
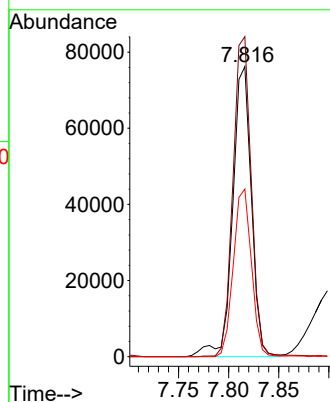
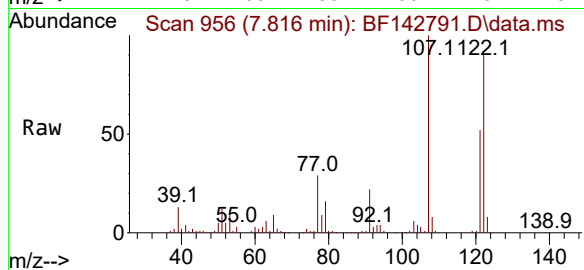
Tgt Ion:122 Resp: 99256

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

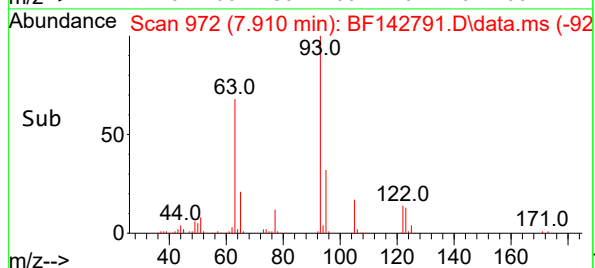
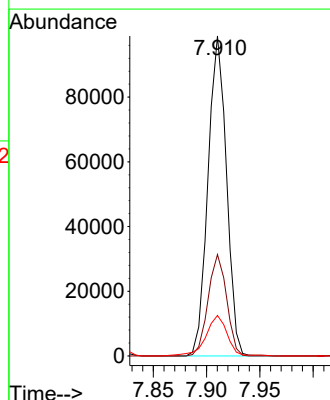
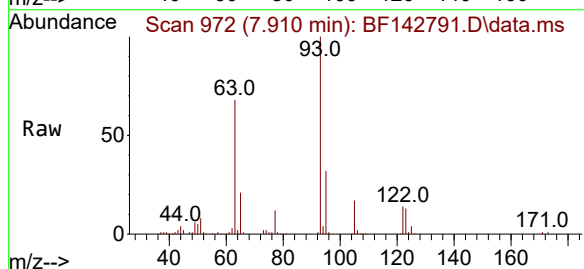
Tgt Ion: 93 Resp: 119505

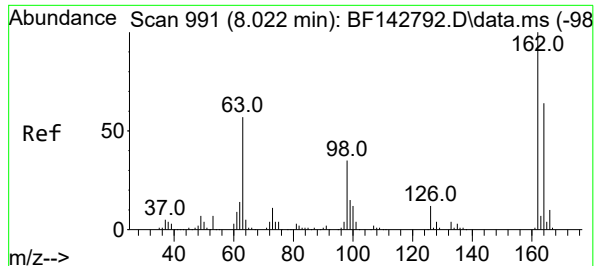
Ion Ratio Lower Upper

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

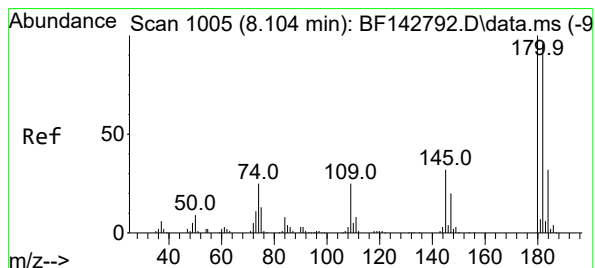
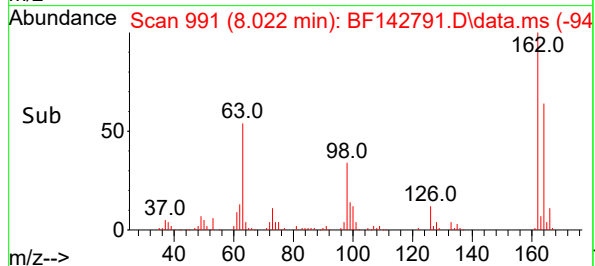
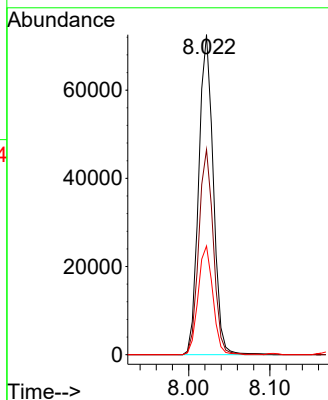
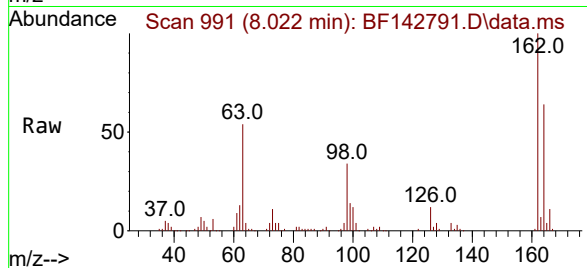
Tgt Ion:162 Resp: 90497

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

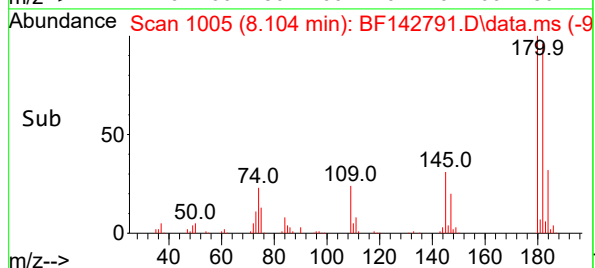
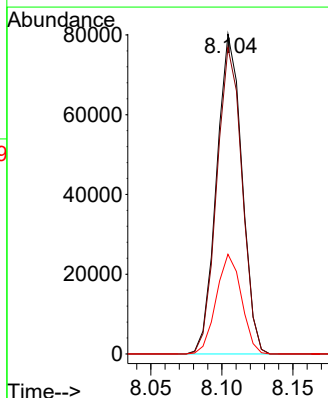
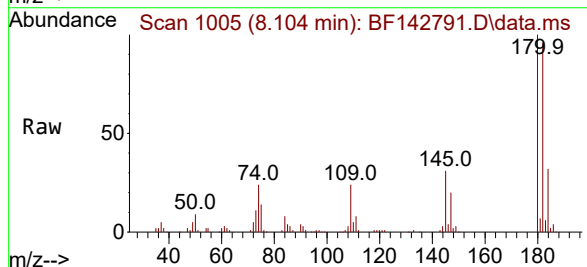
Tgt Ion:180 Resp: 99320

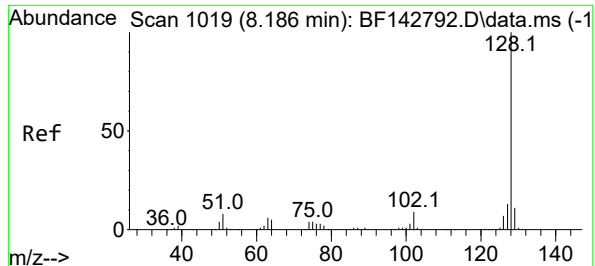
Ion Ratio Lower Upper

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

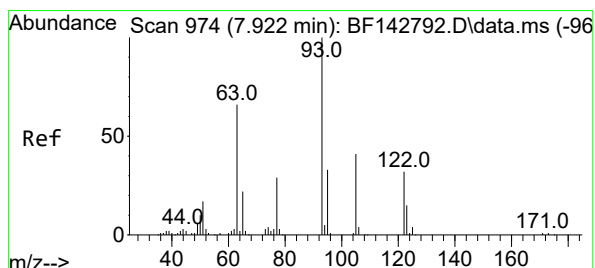
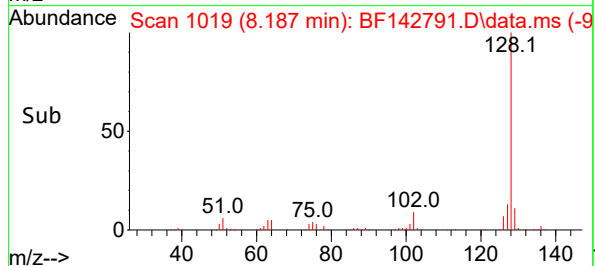
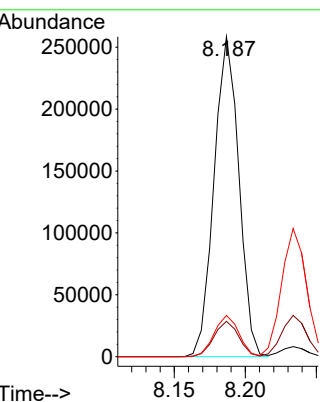
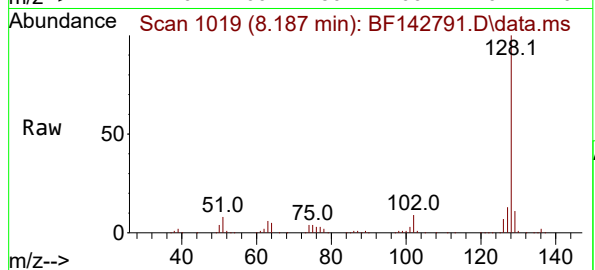
Tgt Ion:128 Resp: 313467

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

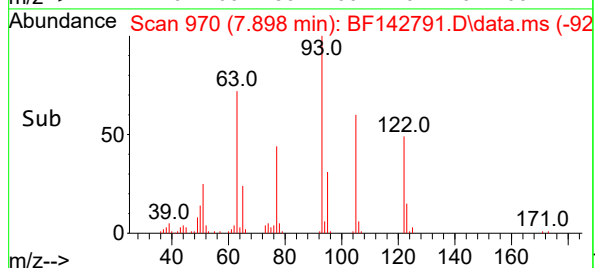
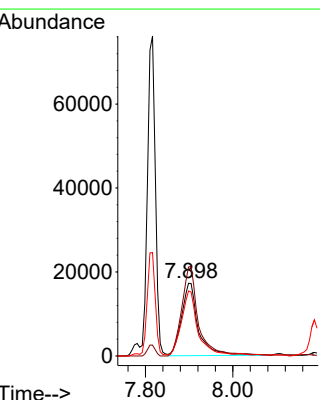
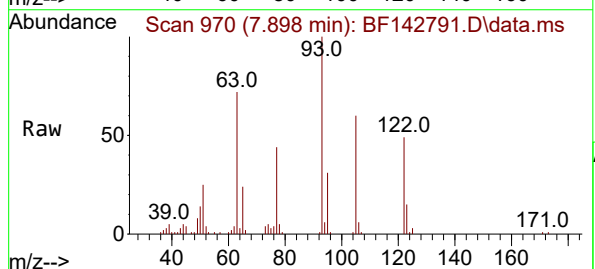
Tgt Ion:122 Resp: 45969

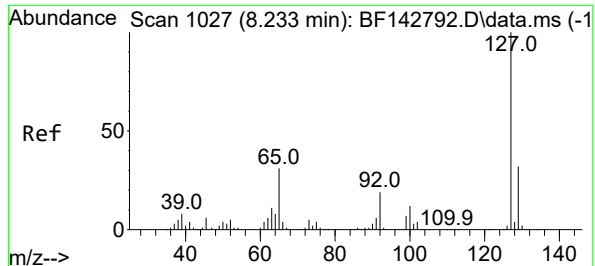
Ion Ratio Lower Upper

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

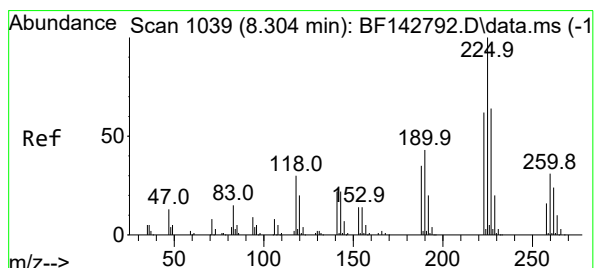
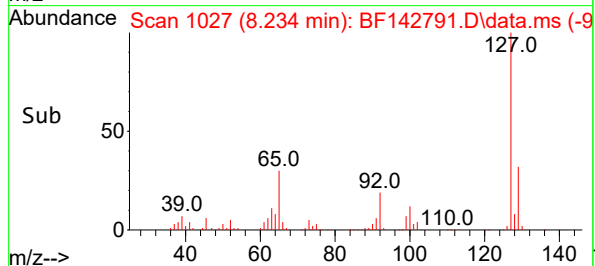
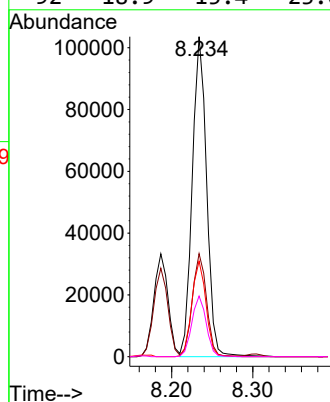
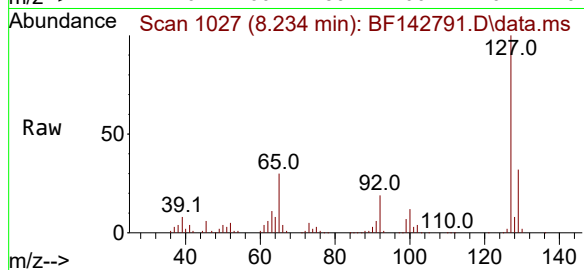
Ion Ratio Lower Upper

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

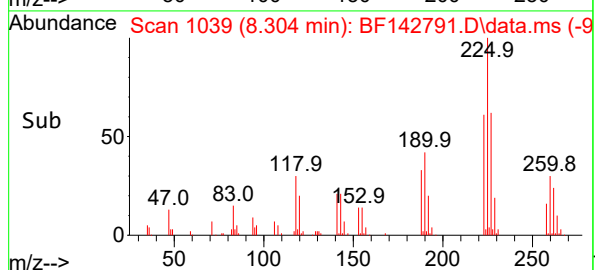
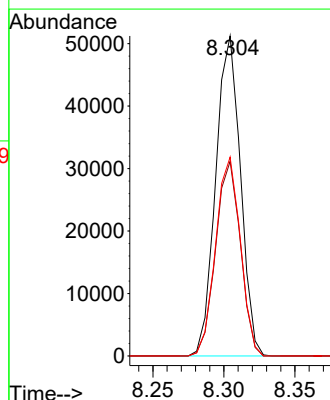
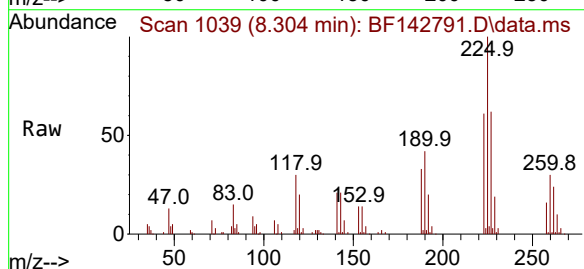
Tgt Ion:225 Resp: 61994

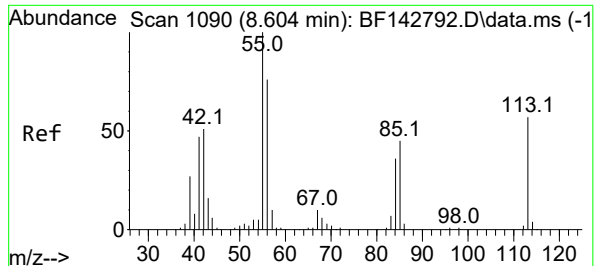
Ion Ratio Lower Upper

225 100

223 60.8 49.9 74.9

227 62.2 51.4 77.0

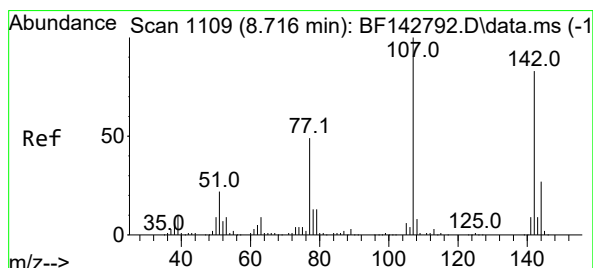
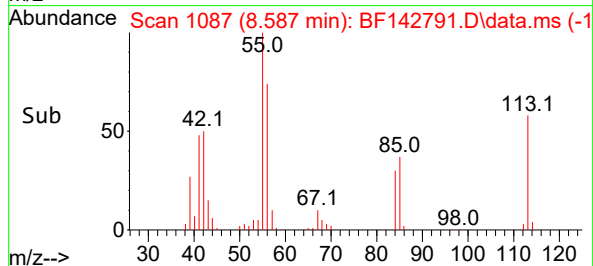
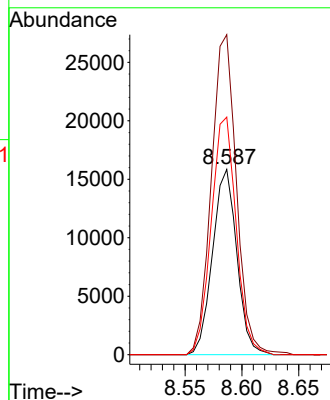
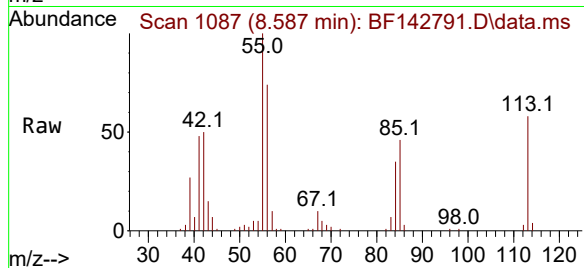




#35
Caprolactam
Concen: 19.769 ng
RT: 8.587 min Scan# 1090
Delta R.T. -0.017 min
Lab File: BF142791.D
Acq: 19 Jun 2025 18:39

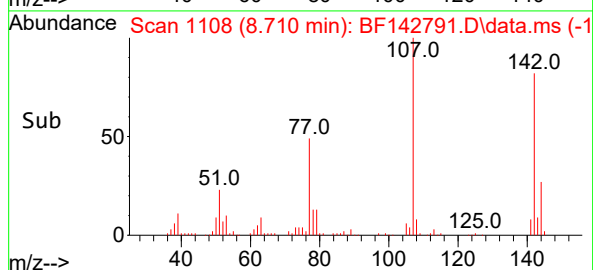
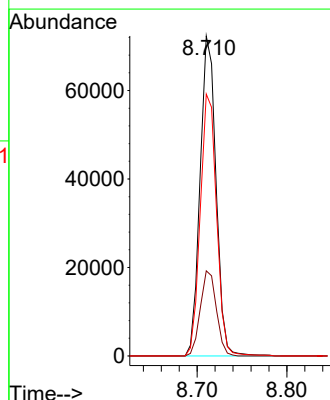
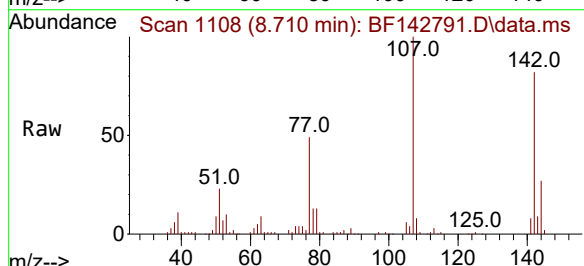
Instrument :
BNA_F
ClientSampleId :
SSTDICC020

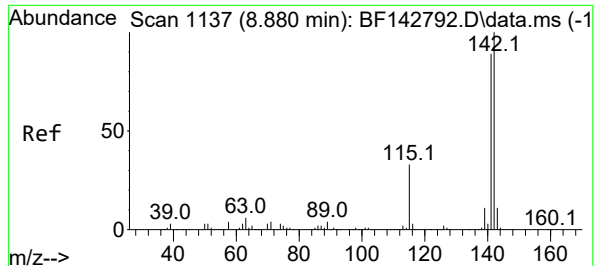
Tgt Ion:113 Resp: 23555
Ion Ratio Lower Upper
113 100
55 172.7 154.4 194.4
56 128.3 112.1 152.1



#36
4-Chloro-3-methylphenol
Concen: 19.518 ng
RT: 8.710 min Scan# 1108
Delta R.T. -0.006 min
Lab File: BF142791.D
Acq: 19 Jun 2025 18:39

Tgt Ion:107 Resp: 89279
Ion Ratio Lower Upper
107 100
144 26.6 21.3 31.9
142 81.8 66.6 100.0

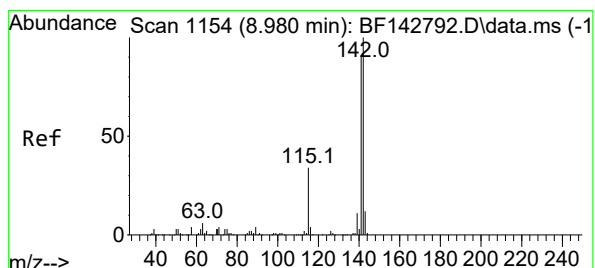
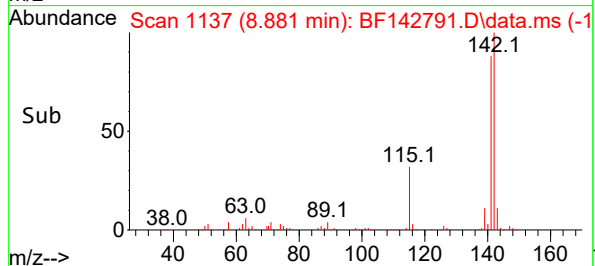
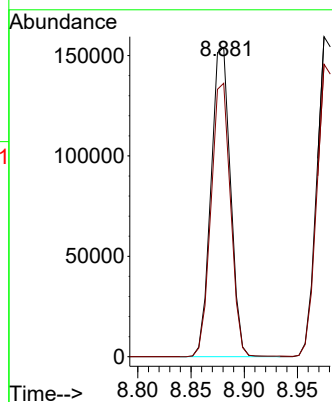
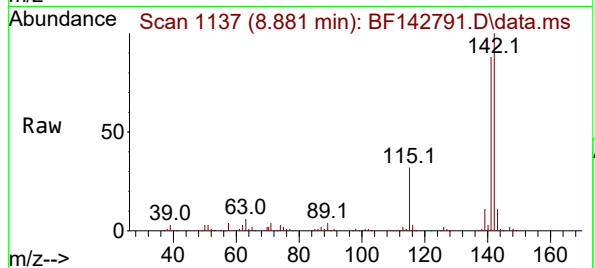




#37
2-Methylnaphthalene
Concen: 20.287 ng
RT: 8.881 min Scan# 1137
Delta R.T. 0.000 min
Lab File: BF142791.D
Acq: 19 Jun 2025 18:39

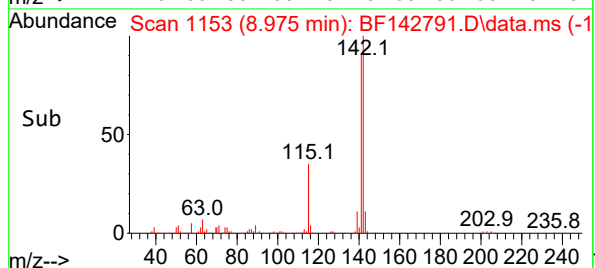
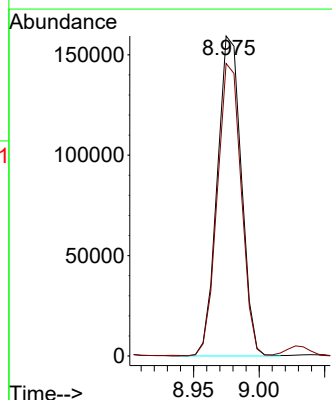
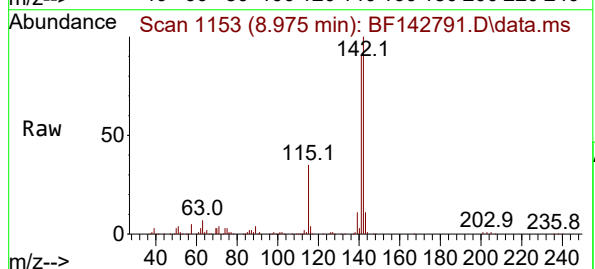
Instrument :
BNA_F
ClientSampleId :
SSTDICC020

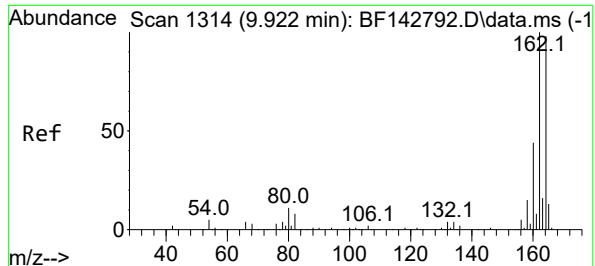
Tgt Ion:142 Resp: 196609
Ion Ratio Lower Upper
142 100
141 88.5 70.9 106.3



#38
1-Methylnaphthalene
Concen: 20.165 ng
RT: 8.975 min Scan# 1153
Delta R.T. -0.006 min
Lab File: BF142791.D
Acq: 19 Jun 2025 18:39

Tgt Ion:142 Resp: 202898
Ion Ratio Lower Upper
142 100
141 91.4 73.0 109.4





#39

Acenaphthene-d10

Concen: 20.000 ng

RT: 9.922 min Scan# 1165

Delta R.T. 0.000 min

Lab File: BF142791.D

Acq: 19 Jun 2025 18:39

Instrument :

BNA_F

ClientSampleId :

SSTDICC020

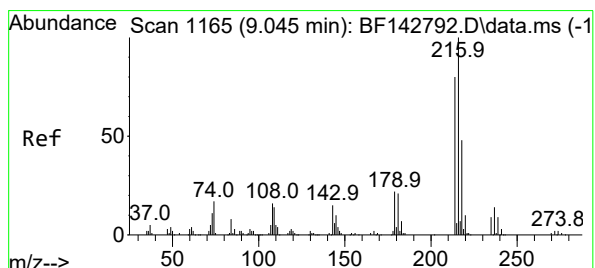
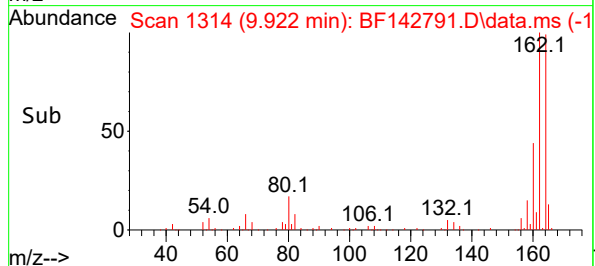
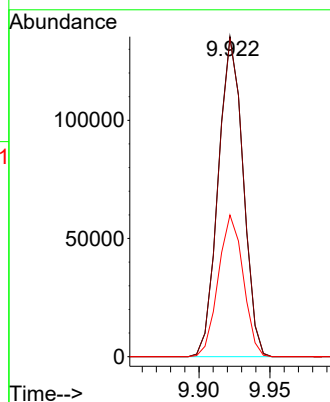
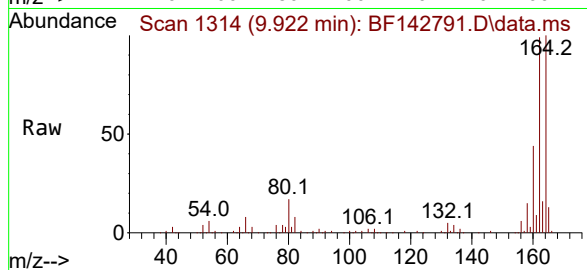
Tgt Ion:164 Resp: 164603

Ion Ratio Lower Upper

164 100

162 99.4 81.8 122.8

160 44.2 36.0 54.0



#40

1,2,4,5-Tetrachlorobenzene

Concen: 20.857 ng

RT: 9.045 min Scan# 1165

Delta R.T. 0.000 min

Lab File: BF142791.D

Acq: 19 Jun 2025 18:39

Tgt Ion:216 Resp: 99104

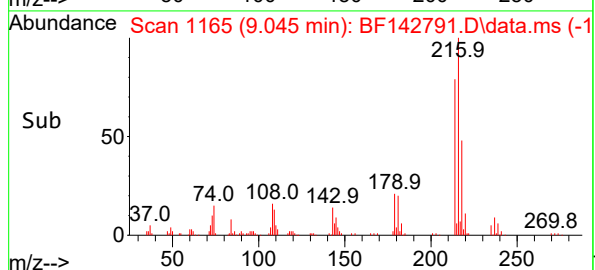
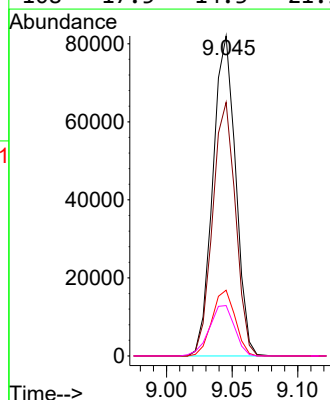
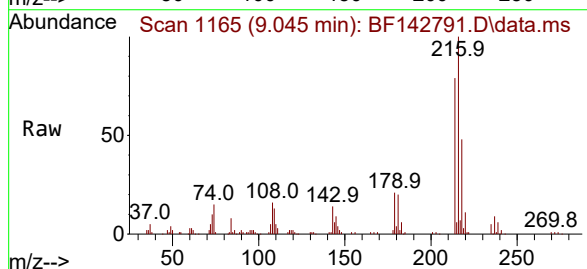
Ion Ratio Lower Upper

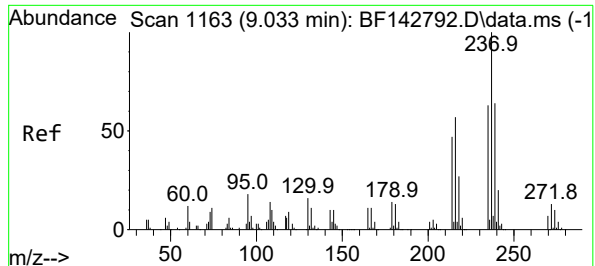
216 100

214 79.4 63.7 95.5

179 20.9 17.6 26.4

108 17.5 14.3 21.5

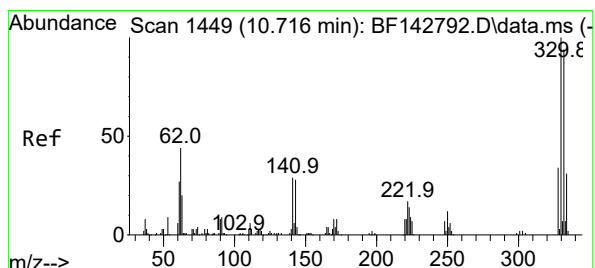
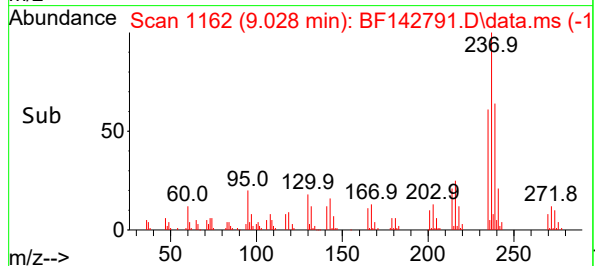
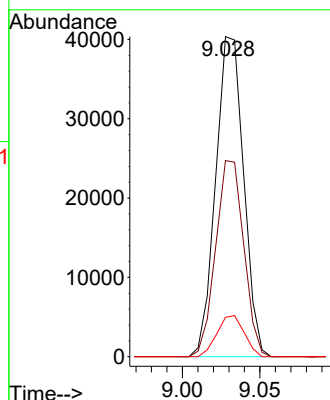
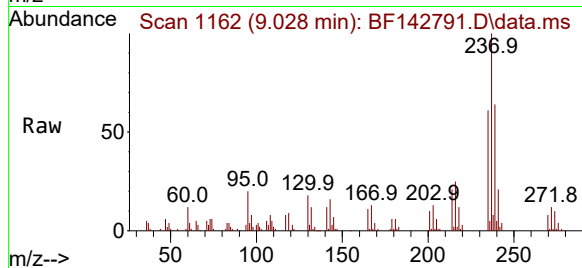




#41
Hexachlorocyclopentadiene
Concen: 16.864 ng
RT: 9.028 min Scan# 1163
Delta R.T. -0.006 min
Lab File: BF142791.D
Acq: 19 Jun 2025 18:39

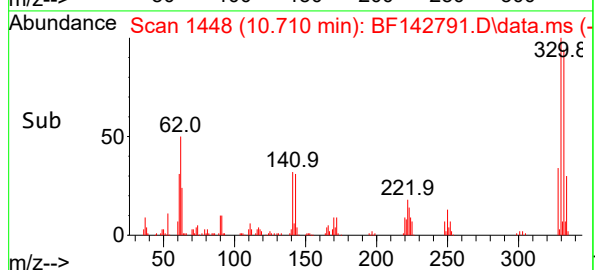
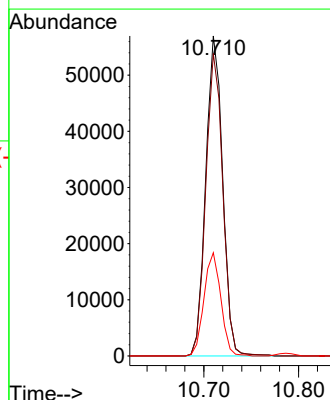
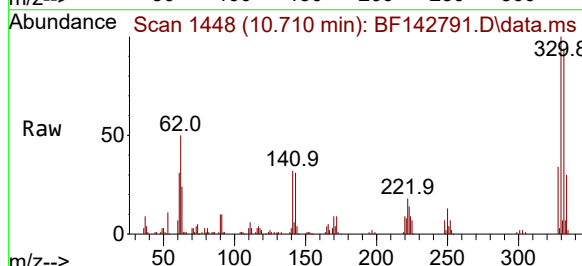
Instrument :
BNA_F
ClientSampleId :
SSTDICC020

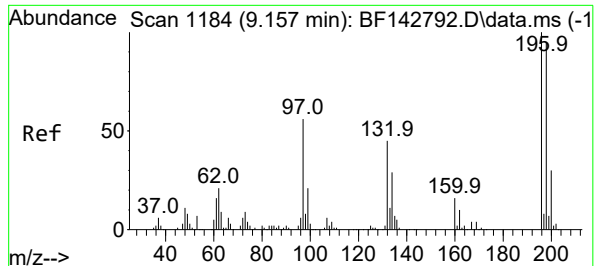
Tgt Ion	Ratio	Lower	Upper
237	100		
235	61.3	43.4	83.4
272	12.3	0.0	32.7



#42
2,4,6-Tribromophenol
Concen: 39.411 ng
RT: 10.710 min Scan# 1448
Delta R.T. -0.006 min
Lab File: BF142791.D
Acq: 19 Jun 2025 18:39

Tgt Ion	Ratio	Lower	Upper
330	100		
332	95.1	75.0	112.6
141	32.1	25.3	37.9





#43

2,4,6-Trichlorophenol

Concen: 21.069 ng

RT: 9.157 min Scan# 1184

Delta R.T. 0.000 min

Lab File: BF142791.D

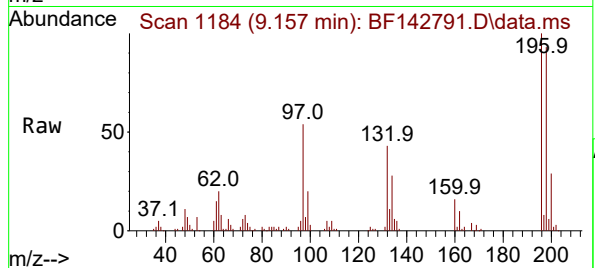
Acq: 19 Jun 2025 18:39

Instrument :

BNA_F

ClientSampleId :

SSTDICC020



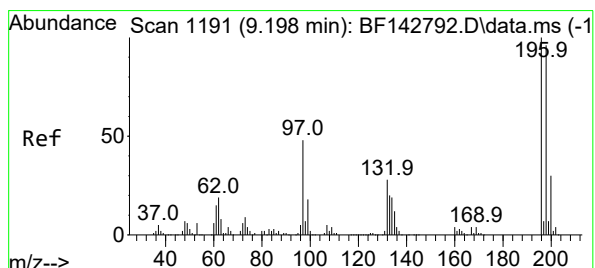
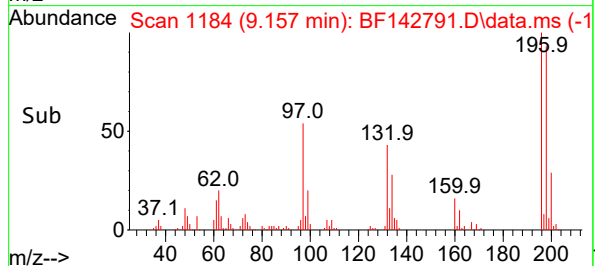
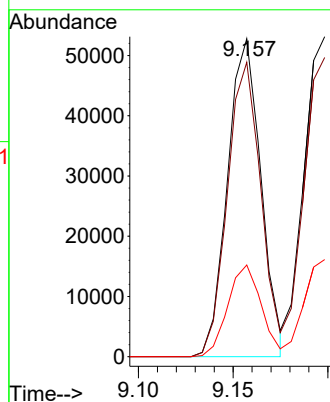
Tgt Ion:196 Resp: 64786

Ion Ratio Lower Upper

196 100

198 92.6 76.2 114.2

200 28.9 24.1 36.1



#44

2,4,5-Trichlorophenol

Concen: 20.862 ng

RT: 9.198 min Scan# 1191

Delta R.T. 0.000 min

Lab File: BF142791.D

Acq: 19 Jun 2025 18:39

Tgt Ion:196 Resp: 69275

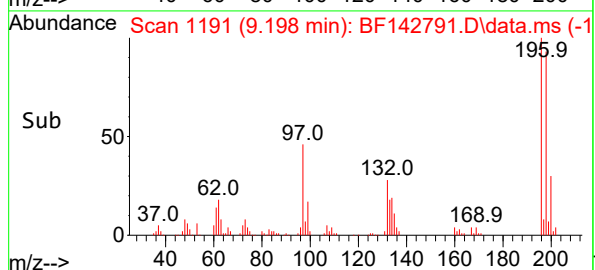
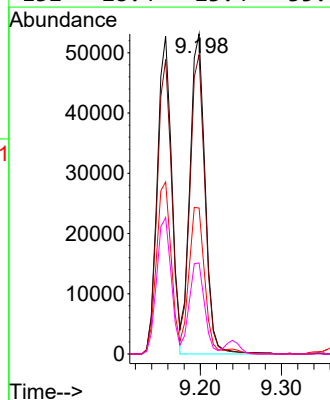
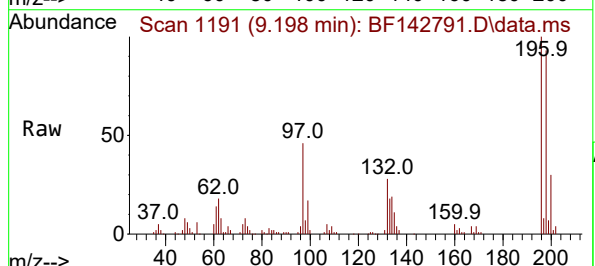
Ion Ratio Lower Upper

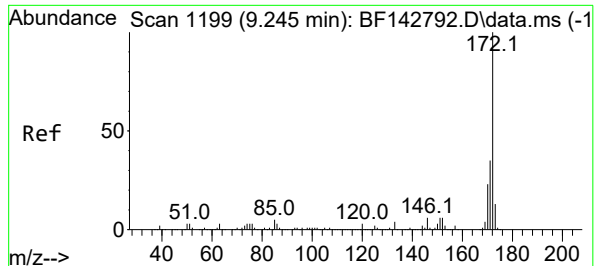
196 100

198 93.5 76.6 115.0

97 45.6 38.2 57.2

132 28.4 23.4 35.0





#45

2-Fluorobiphenyl

Concen: 42.356 ng

RT: 9.240 min Scan# 1199

Delta R.T. -0.006 min

Lab File: BF142791.D

Acq: 19 Jun 2025 18:39

Instrument :

BNA_F

ClientSampleId :

SSTDICC020

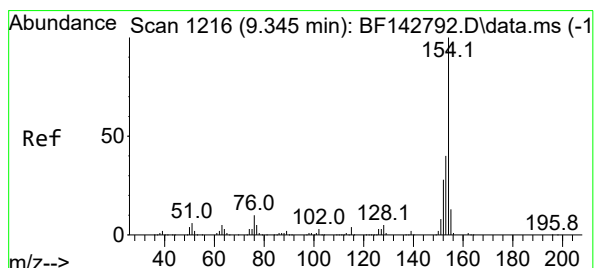
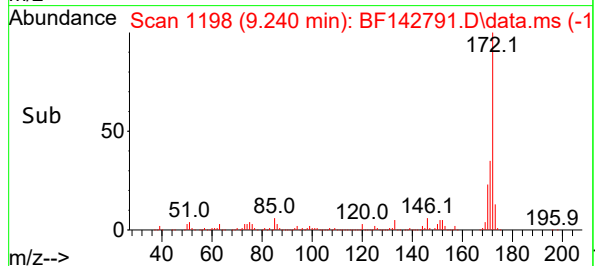
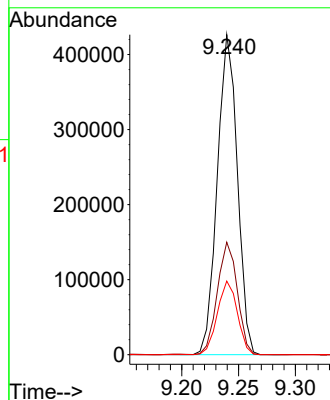
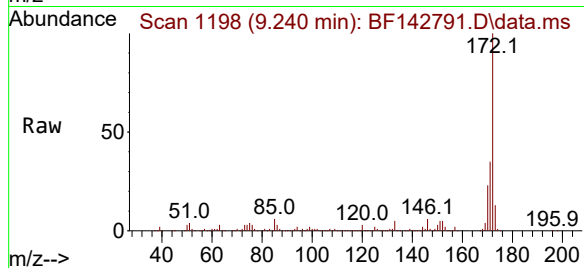
Tgt Ion:172 Resp: 524084

Ion Ratio Lower Upper

172 100

171 35.1 28.2 42.4

170 23.0 18.5 27.7



#46

1,1'-Biphenyl

Concen: 21.078 ng

RT: 9.340 min Scan# 1215

Delta R.T. -0.006 min

Lab File: BF142791.D

Acq: 19 Jun 2025 18:39

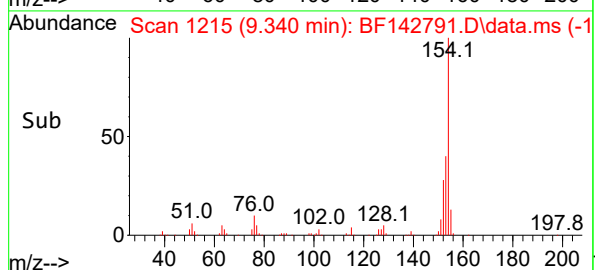
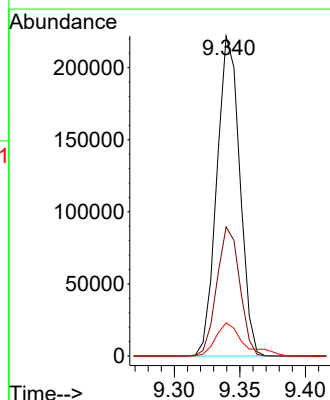
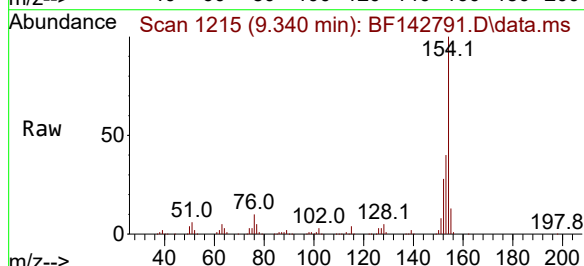
Tgt Ion:154 Resp: 269396

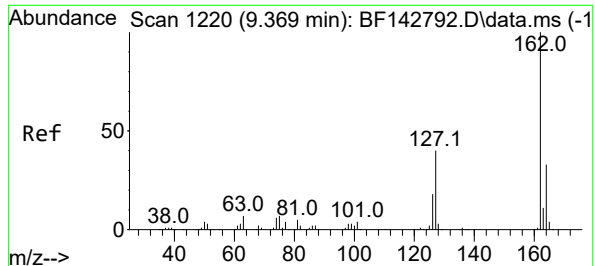
Ion Ratio Lower Upper

154 100

153 40.4 20.3 60.3

76 10.4 0.0 30.3





#47

2-Chloronaphthalene

Concen: 21.087 ng

RT: 9.369 min Scan# 1220

Delta R.T. 0.000 min

Lab File: BF142791.D

Acq: 19 Jun 2025 18:39

Instrument :

BNA_F

ClientSampleId :

SSTDICC020

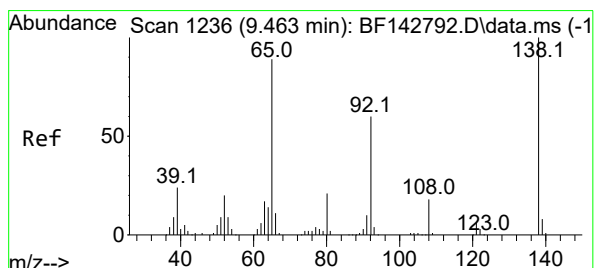
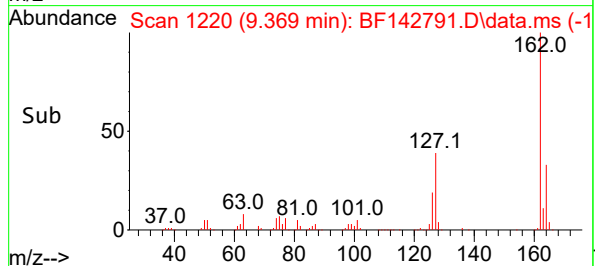
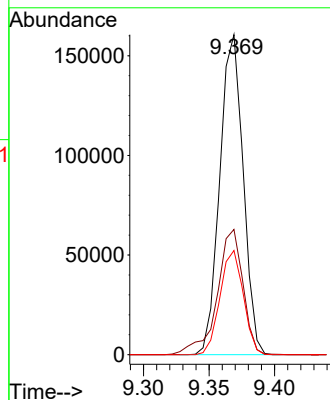
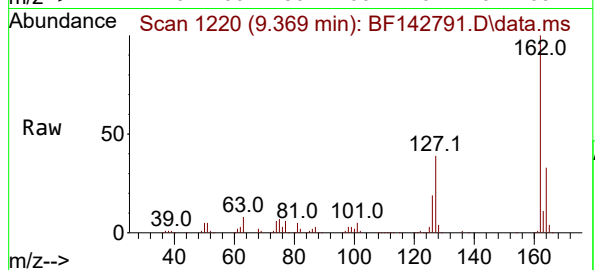
Tgt Ion:162 Resp: 198874

Ion Ratio Lower Upper

162 100

127 39.2 32.2 48.2

164 32.5 26.1 39.1



#48

2-Nitroaniline

Concen: 20.681 ng

RT: 9.463 min Scan# 1236

Delta R.T. 0.000 min

Lab File: BF142791.D

Acq: 19 Jun 2025 18:39

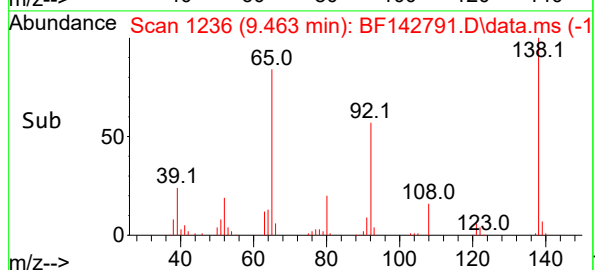
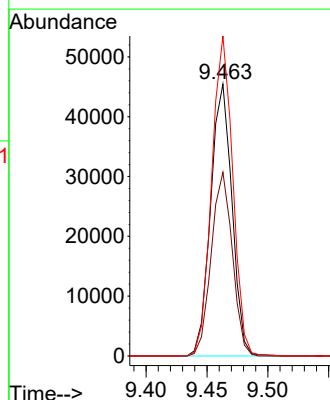
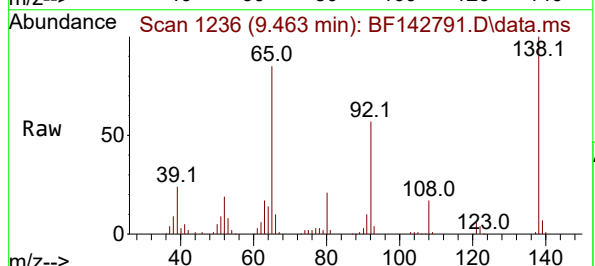
Tgt Ion: 65 Resp: 55412

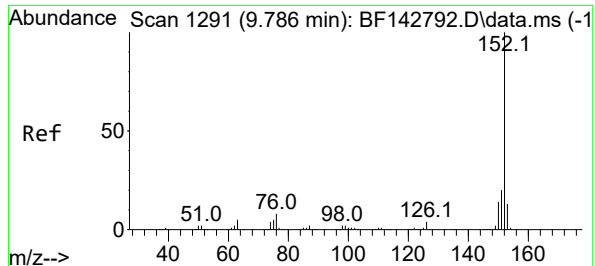
Ion Ratio Lower Upper

65 100

92 67.6 53.8 80.6

138 117.7 89.6 134.4





#49

Acenaphthylene

Concen: 20.878 ng

RT: 9.781 min Scan# 11

Delta R.T. -0.006 min

Lab File: BF142791.D

Acq: 19 Jun 2025 18:39

Instrument :

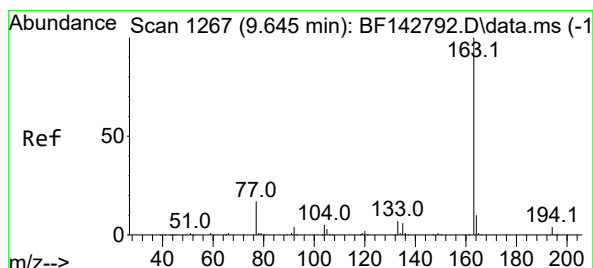
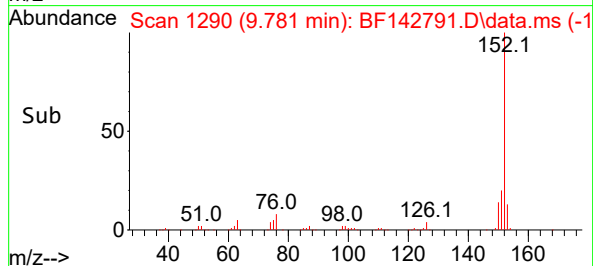
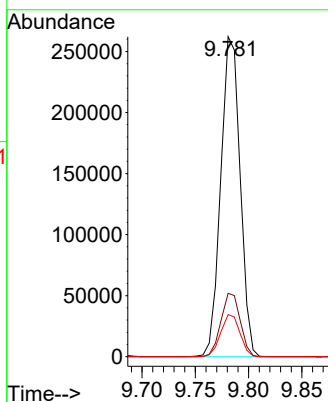
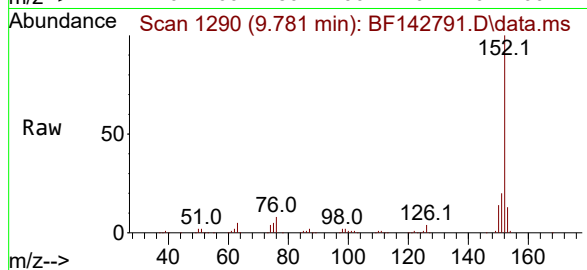
BNA_F

ClientSampleId :

SSTDICC020

Tgt Ion:152 Resp: 331018

Ion	Ratio	Lower	Upper
152	100		
151	19.8	16.1	24.1
153	13.2	10.4	15.6



#50

Dimethylphthalate

Concen: 20.049 ng

RT: 9.640 min Scan# 1266

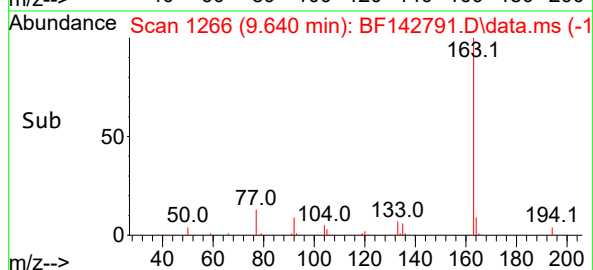
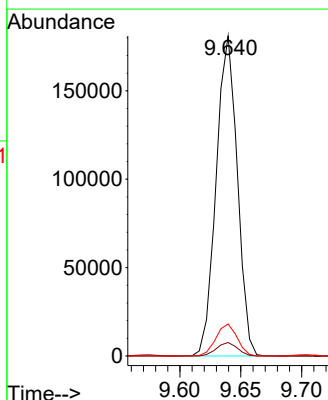
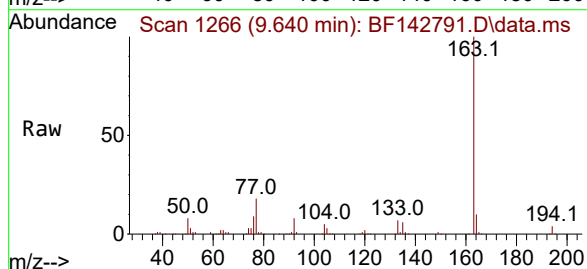
Delta R.T. -0.006 min

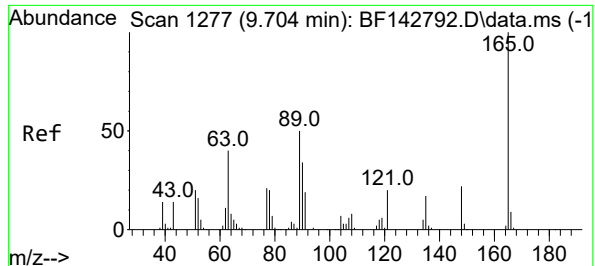
Lab File: BF142791.D

Acq: 19 Jun 2025 18:39

Tgt Ion:163 Resp: 218901

Ion	Ratio	Lower	Upper
163	100		
194	4.2	3.3	4.9
164	10.0	8.0	12.0

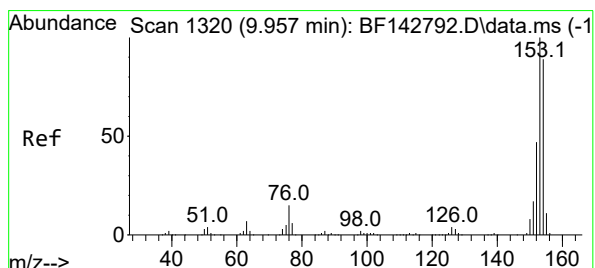
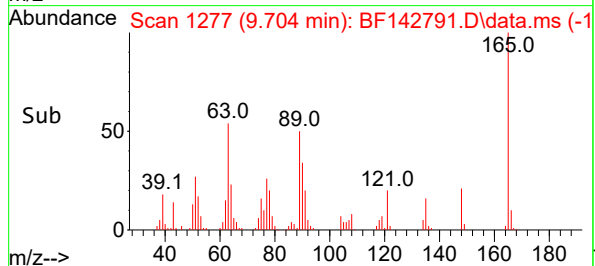
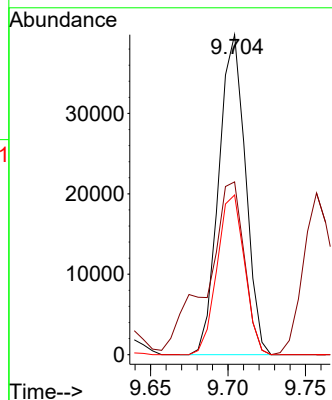
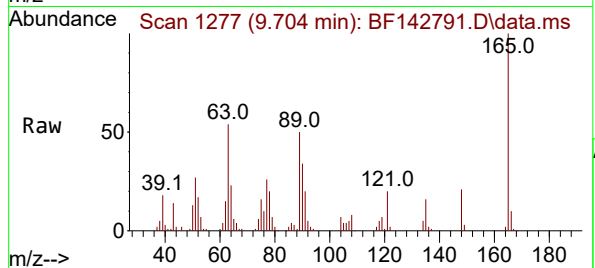




#51
2,6-Dinitrotoluene
Concen: 20.156 ng
RT: 9.704 min Scan# 1277
Delta R.T. 0.000 min
Lab File: BF142791.D
Acq: 19 Jun 2025 18:39

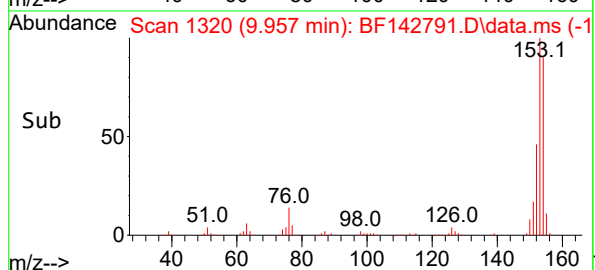
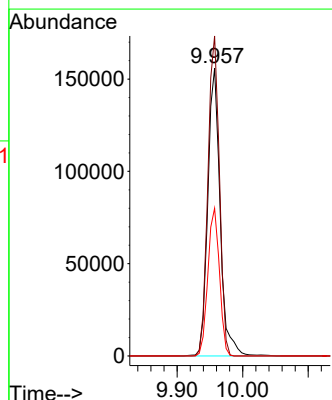
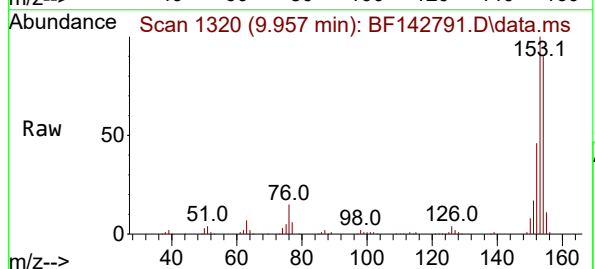
Instrument :
BNA_F
ClientSampleId :
SSTDICC020

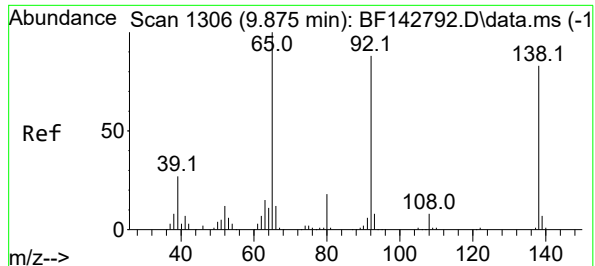
Tgt Ion:165 Resp: 47707
Ion Ratio Lower Upper
165 100
63 54.0 44.2 66.4
89 49.9 39.8 59.8



#52
Acenaphthene
Concen: 20.813 ng
RT: 9.957 min Scan# 1320
Delta R.T. 0.000 min
Lab File: BF142791.D
Acq: 19 Jun 2025 18:39

Tgt Ion:154 Resp: 204192
Ion Ratio Lower Upper
154 100
153 111.2 90.0 135.0
152 51.3 41.9 62.9

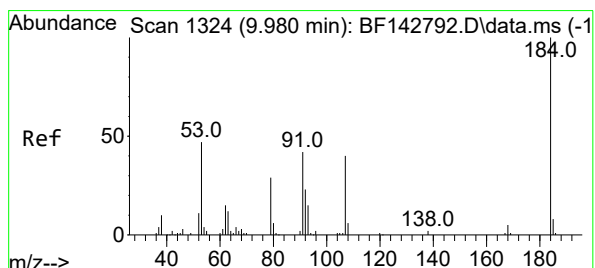
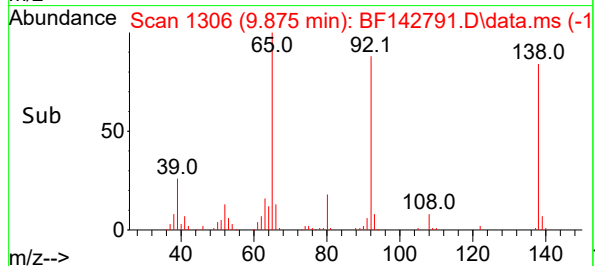
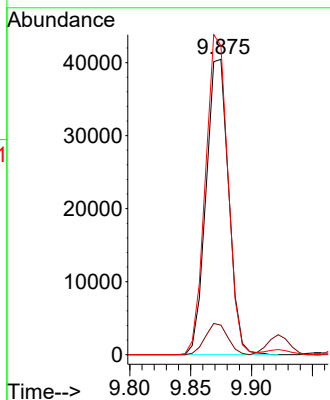
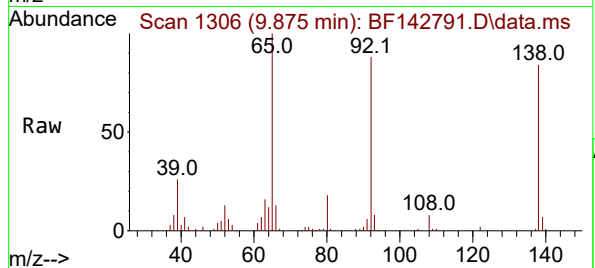




#53
3-Nitroaniline
Concen: 20.261 ng
RT: 9.875 min Scan# 1306
Delta R.T. 0.000 min
Lab File: BF142791.D
Acq: 19 Jun 2025 18:39

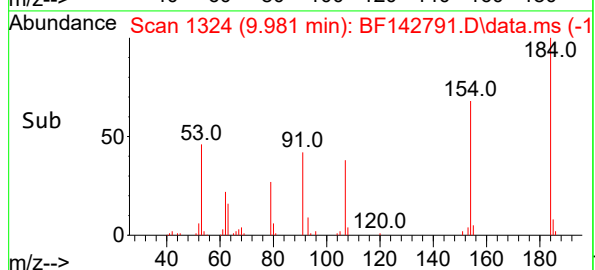
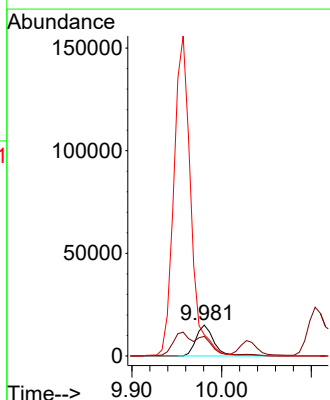
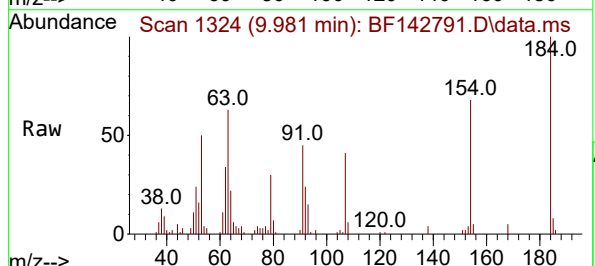
Instrument :
BNA_F
ClientSampleId :
SSTDICC020

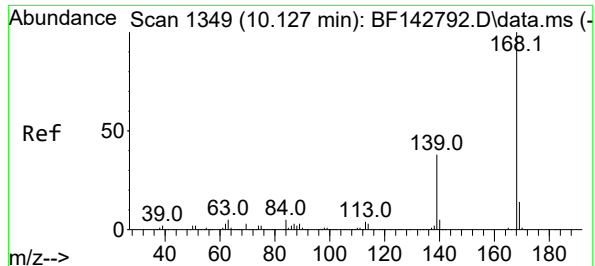
Tgt Ion	Ratio	Lower	Upper
138	100		
108	10.0	8.1	12.1
92	104.7	85.1	127.7



#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	Ratio	Lower	Upper
184	100		
63	62.9	50.6	75.8
154	68.5	51.8	77.8





#55

Dibenzofuran

Concen: 20.736 ng

RT: 10.128 min Scan# 11

Delta R.T. 0.000 min

Lab File: BF142791.D

Acq: 19 Jun 2025 18:39

Instrument :

BNA_F

ClientSampleId :

SSTDICC020

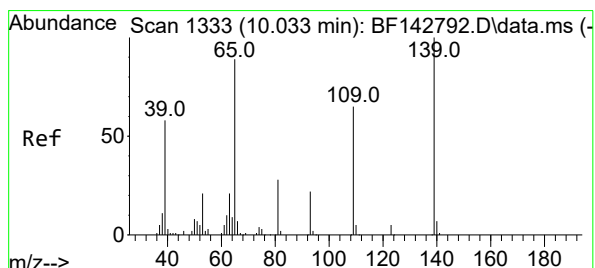
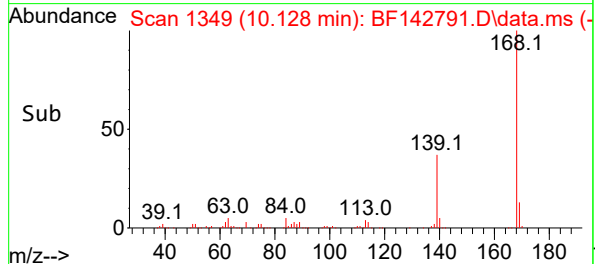
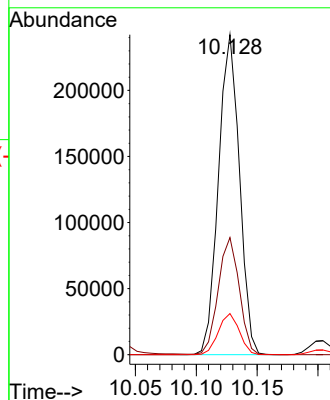
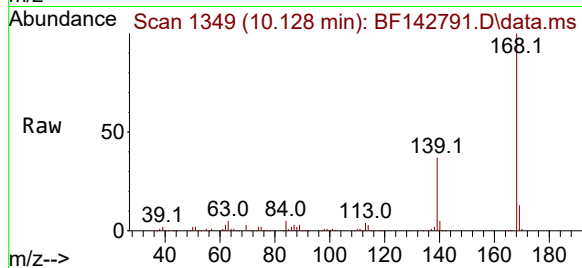
Tgt Ion:168 Resp: 290254

Ion Ratio Lower Upper

168 100

139 36.6 30.2 45.4

169 12.8 10.8 16.2



#56

4-Nitrophenol

Concen: 20.593 ng

RT: 10.028 min Scan# 1332

Delta R.T. -0.006 min

Lab File: BF142791.D

Acq: 19 Jun 2025 18:39

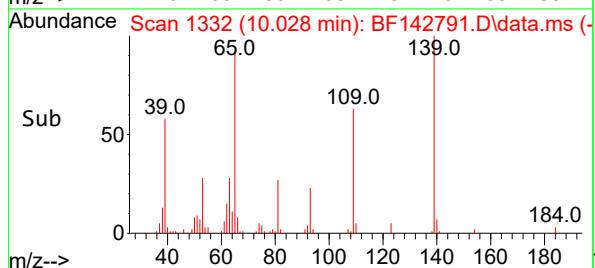
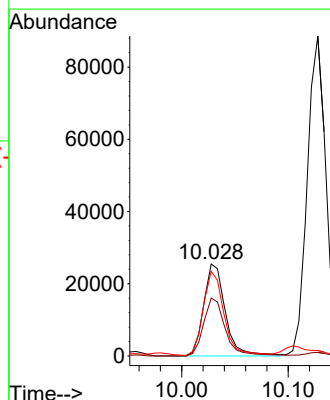
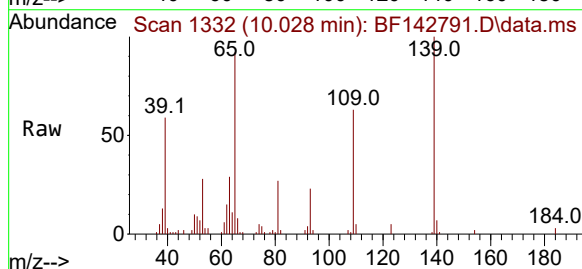
Tgt Ion:139 Resp: 35937

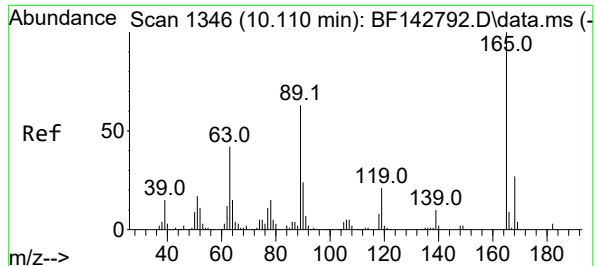
Ion Ratio Lower Upper

139 100

109 62.9 44.7 84.7

65 92.2 69.8 109.8

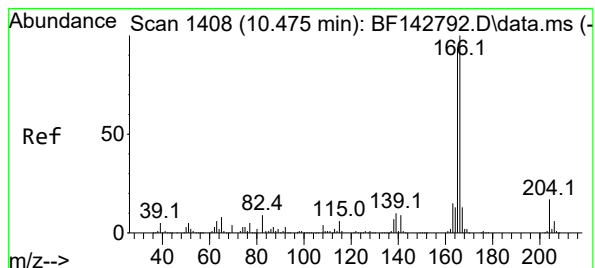
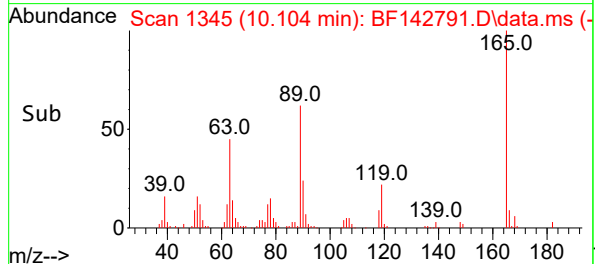
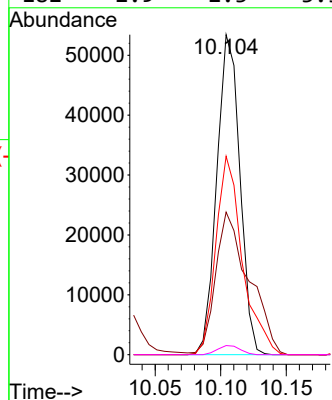
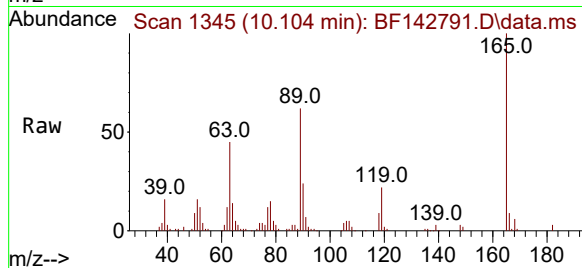




#57
2,4-Dinitrotoluene
Concen: 20.887 ng
RT: 10.104 min Scan# 11
Delta R.T. -0.006 min
Lab File: BF142791.D
Acq: 19 Jun 2025 18:39

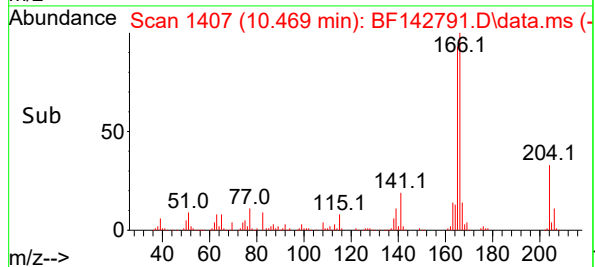
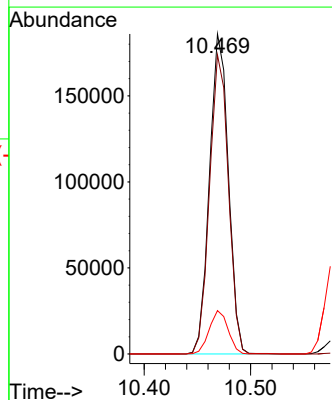
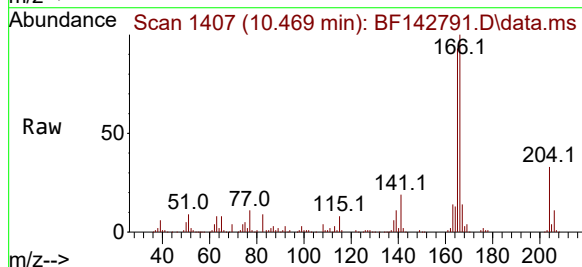
Instrument :
BNA_F
ClientSampleId :
SSTDICC020

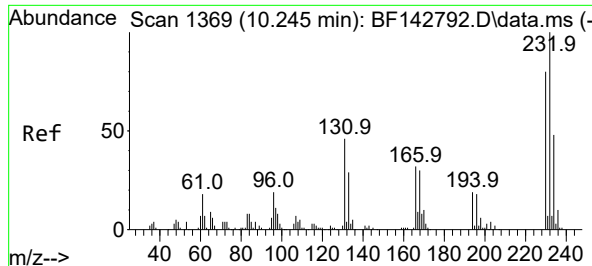
Tgt Ion:165 Resp: 65367
Ion Ratio Lower Upper
165 100
63 44.5 33.9 50.9
89 62.0 50.6 75.8
182 2.9 2.3 3.5



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

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

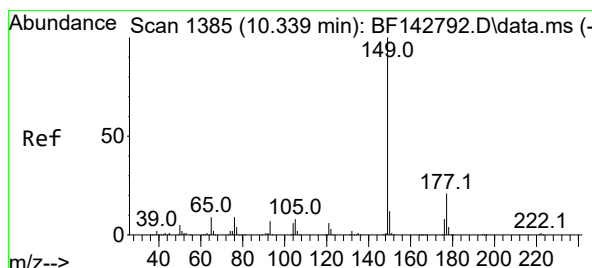
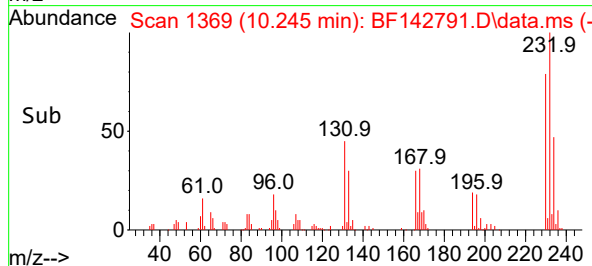
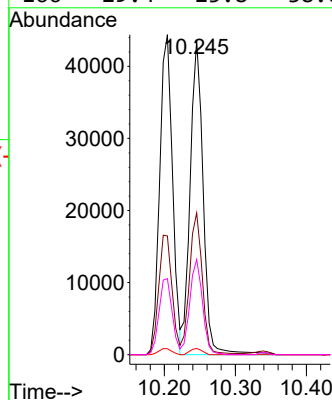
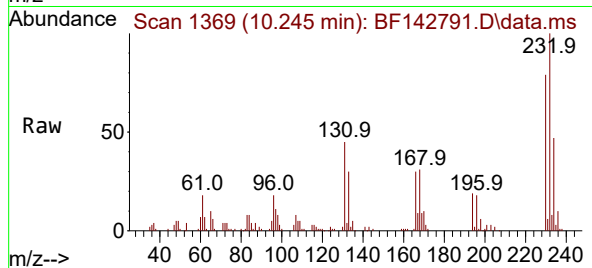




#59
2,3,4,6-Tetrachlorophenol
Concen: 20.042 ng
RT: 10.245 min Scan# 1369
Delta R.T. 0.000 min
Lab File: BF142791.D
Acq: 19 Jun 2025 18:39

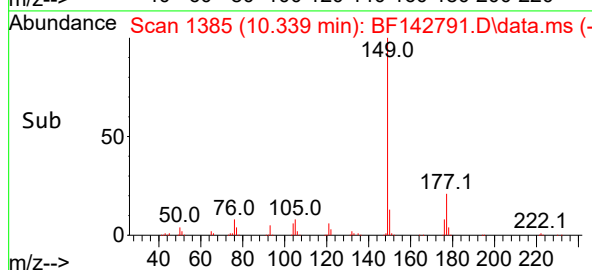
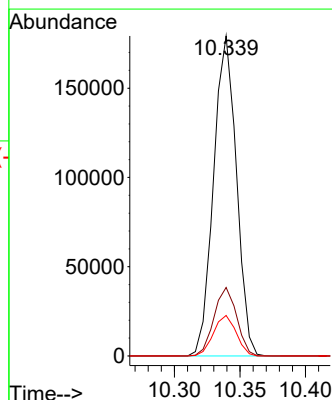
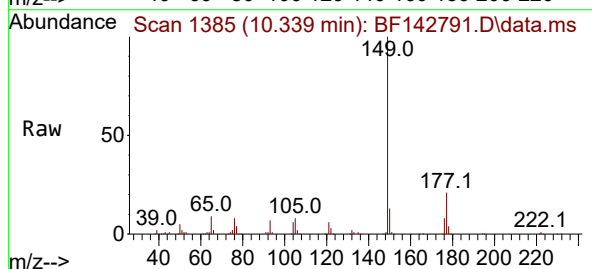
Instrument :
BNA_F
ClientSampleId :
SSTDICC020

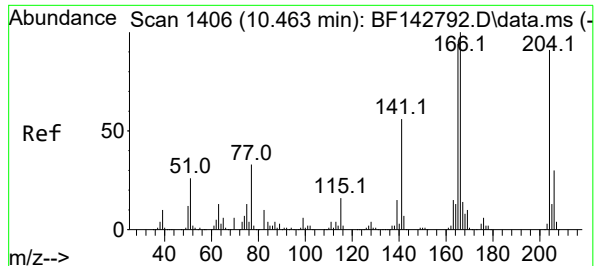
Tgt Ion:232 Resp: 55799
Ion Ratio Lower Upper
232 100
131 44.3 37.6 56.4
130 1.8 1.7 2.5
166 29.4 25.8 38.6



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

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

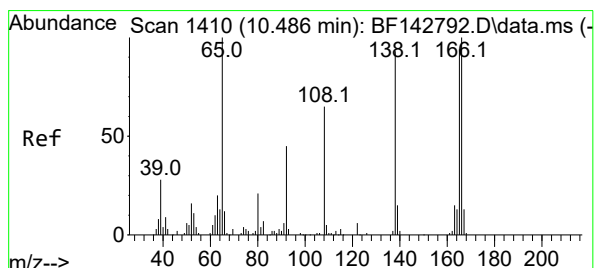
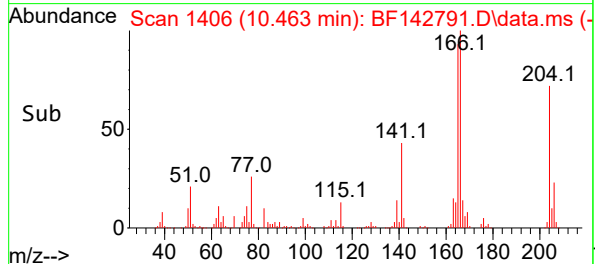
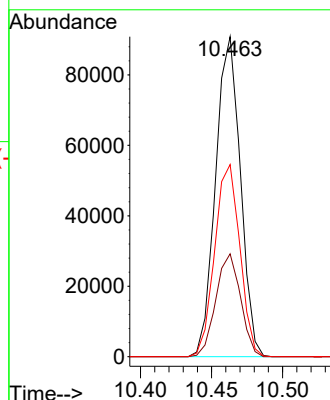
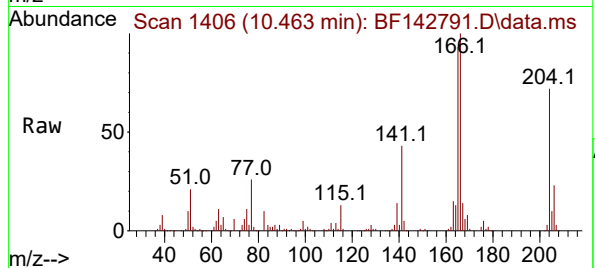




#61
4-Chlorophenyl-phenylether
Concen: 20.526 ng
RT: 10.463 min Scan# 1406
Delta R.T. 0.000 min
Lab File: BF142791.D
Acq: 19 Jun 2025 18:39

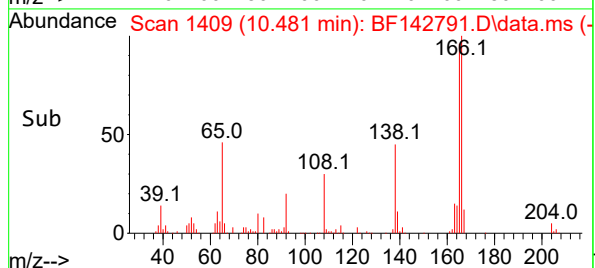
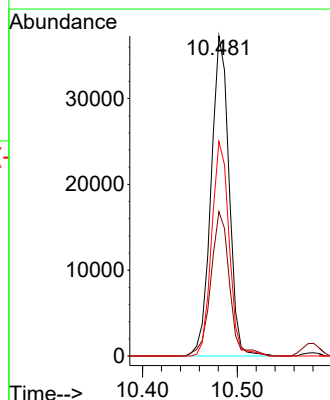
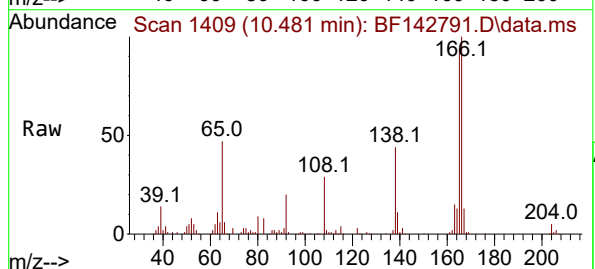
Instrument :
BNA_F
ClientSampleId :
SSTDICC020

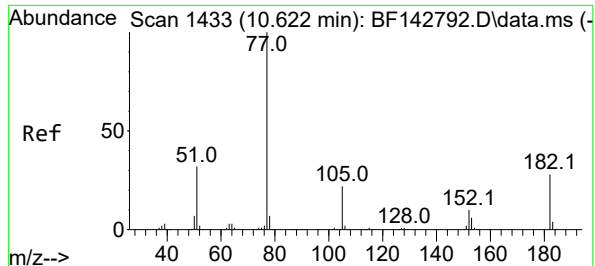
Tgt Ion:204 Resp: 110133
Ion Ratio Lower Upper
204 100
206 32.1 26.3 39.5
141 60.1 49.1 73.7



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

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

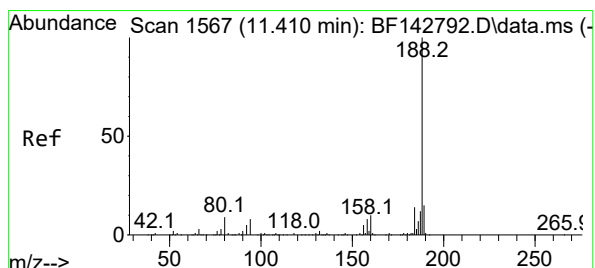
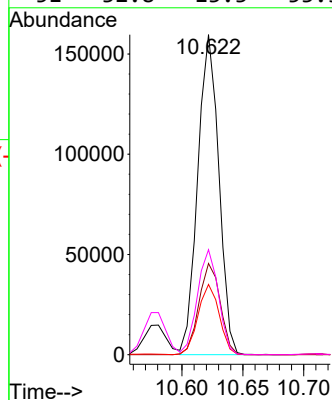
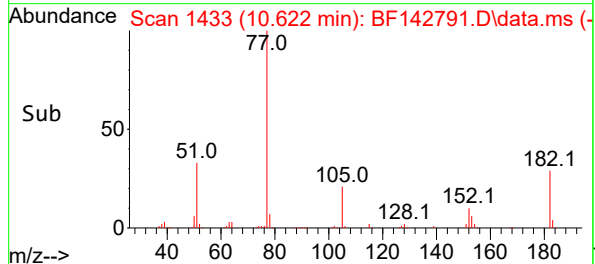
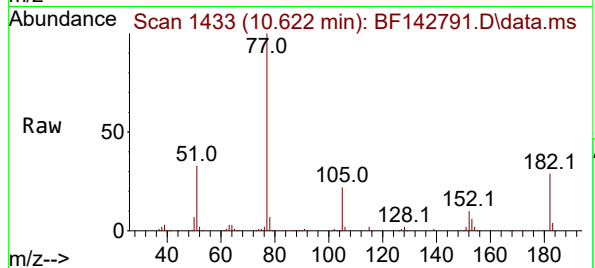




#63
Azobenzene
Concen: 20.263 ng
RT: 10.622 min Scan# 1433
Delta R.T. 0.000 min
Lab File: BF142791.D
Acq: 19 Jun 2025 18:39

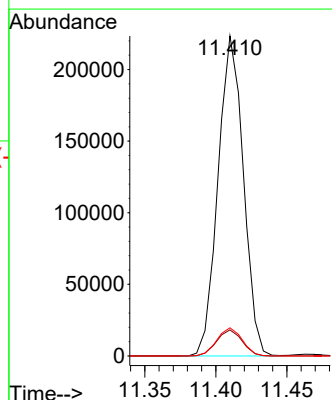
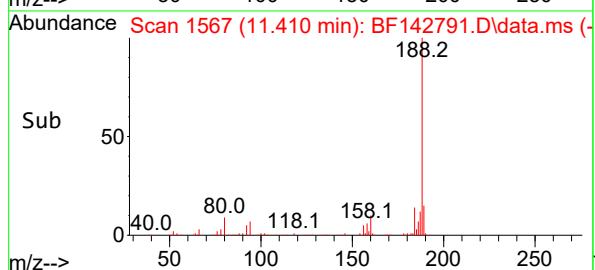
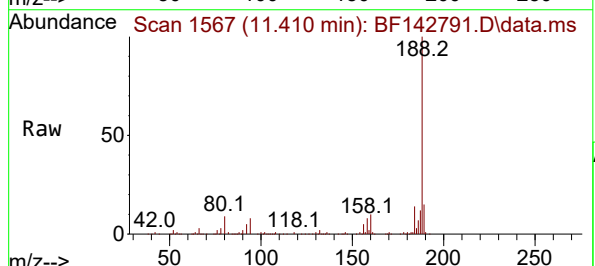
Instrument :
BNA_F
ClientSampleId :
SSTDICC020

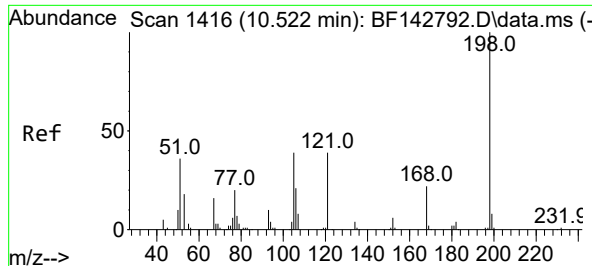
Tgt Ion:	77	Resp:	192057
Ion	Ratio	Lower	Upper
77	100		
182	28.5	7.7	47.7
105	22.0	1.9	41.9
51	32.8	13.3	53.3



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

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

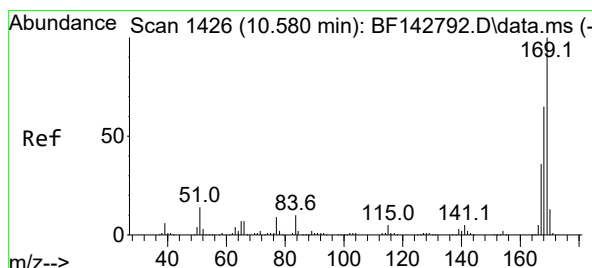
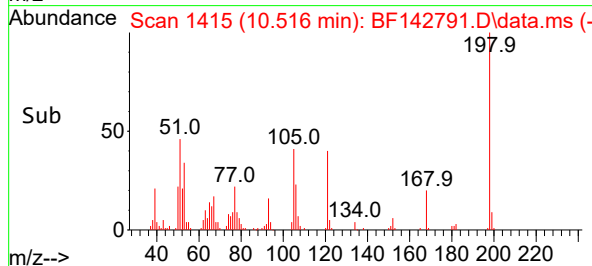
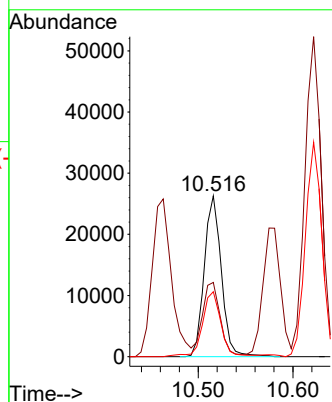
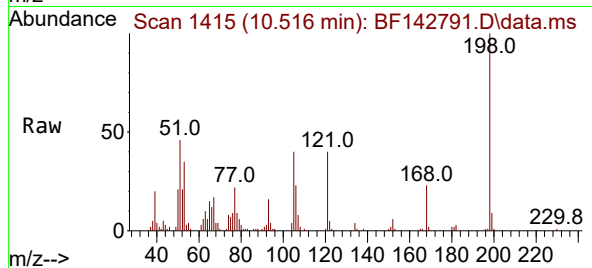




#65
4,6-Dinitro-2-methylphenol
Concen: 19.130 ng
RT: 10.516 min Scan# 1416
Delta R.T. -0.006 min
Lab File: BF142791.D
Acq: 19 Jun 2025 18:39

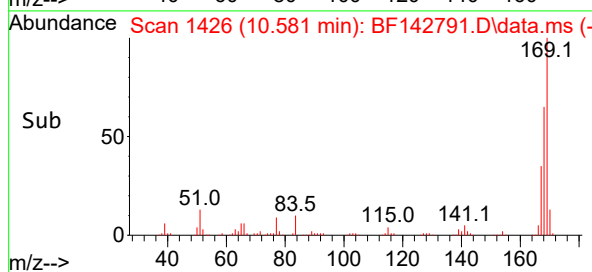
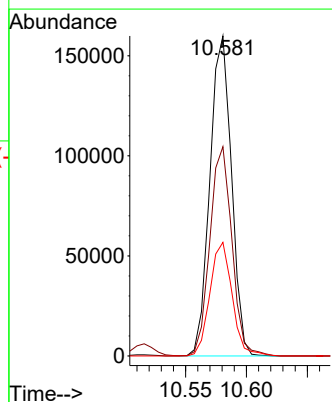
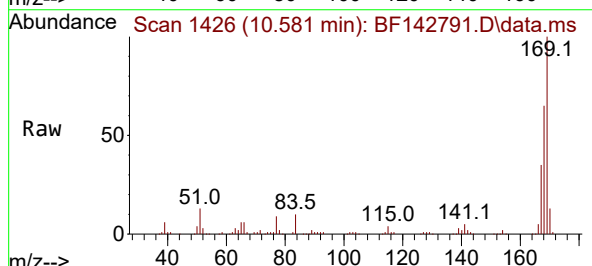
Instrument :
BNA_F
ClientSampleId :
SSTDICC020

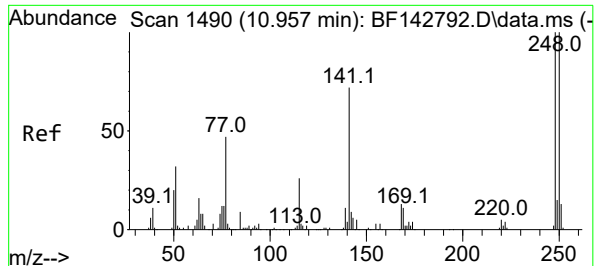
Tgt Ion:198 Resp: 32946
Ion Ratio Lower Upper
198 100
51 46.2 25.4 65.4
105 40.4 20.4 60.4



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

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

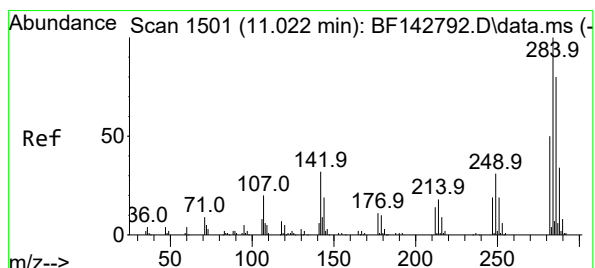
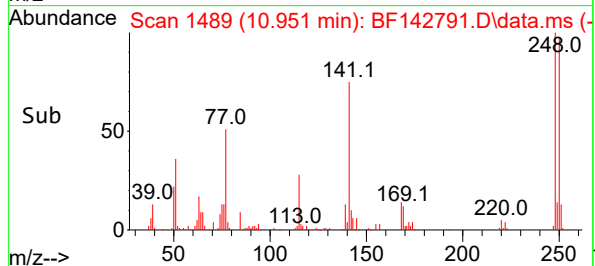
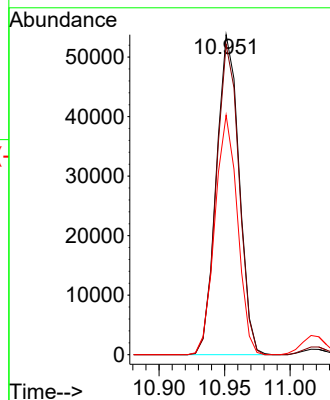
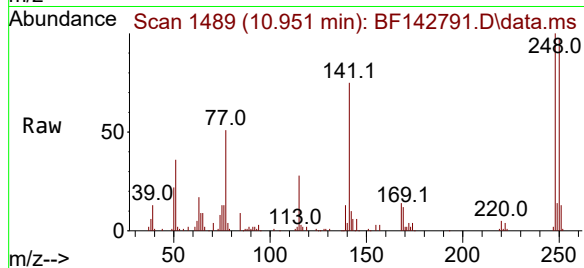




#67
4-Bromophenyl-phenylether
Concen: 20.068 ng
RT: 10.951 min Scan# 1490
Delta R.T. -0.006 min
Lab File: BF142791.D
Acq: 19 Jun 2025 18:39

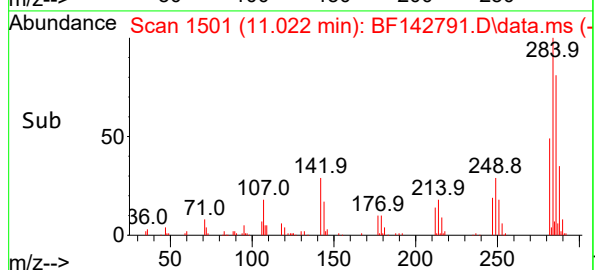
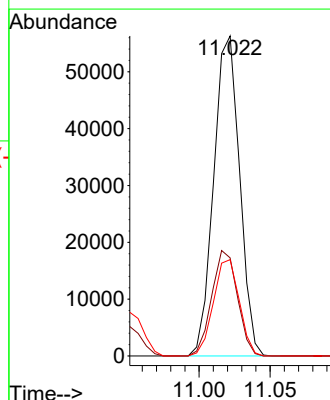
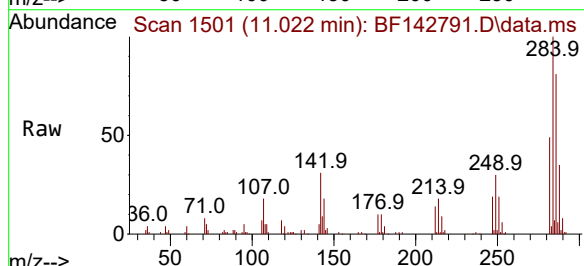
Instrument :
BNA_F
ClientSampleId :
SSTDICC020

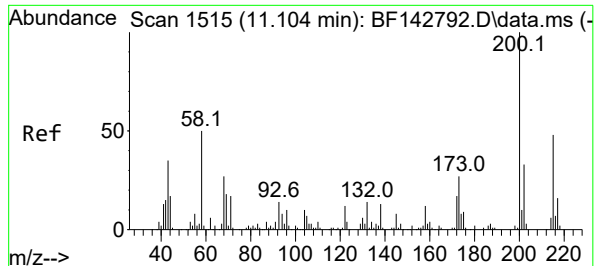
Tgt Ion:248 Resp: 65137
Ion Ratio Lower Upper
248 100
250 97.0 79.8 119.8
141 74.9 57.8 86.6



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

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





#69

Atrazine

Concen: 19.760 ng

RT: 11.104 min Scan# 1515

Delta R.T. 0.000 min

Lab File: BF142791.D

Acq: 19 Jun 2025 18:39

Instrument :

BNA_F

ClientSampleId :

SSTDICC020

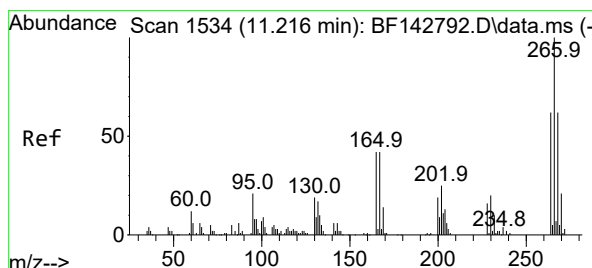
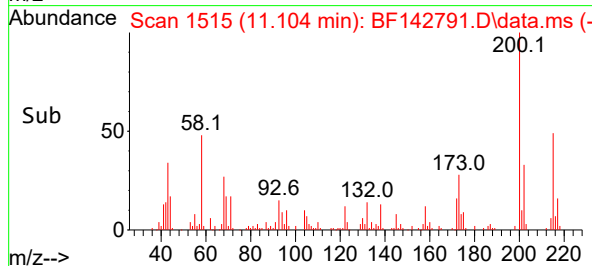
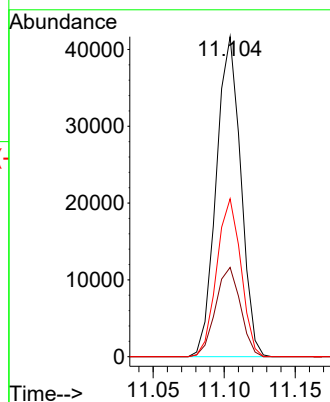
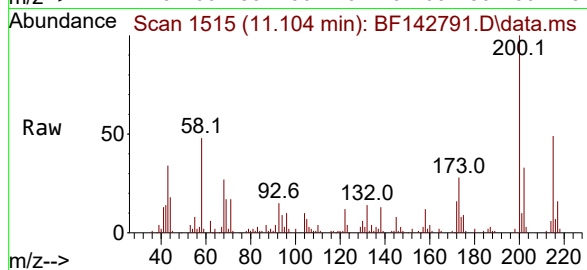
Tgt Ion:200 Resp: 49963

Ion Ratio Lower Upper

200 100

173 27.9 7.4 47.4

215 49.3 28.4 68.4



#70

Pentachlorophenol

Concen: 17.680 ng

RT: 11.216 min Scan# 1534

Delta R.T. 0.000 min

Lab File: BF142791.D

Acq: 19 Jun 2025 18:39

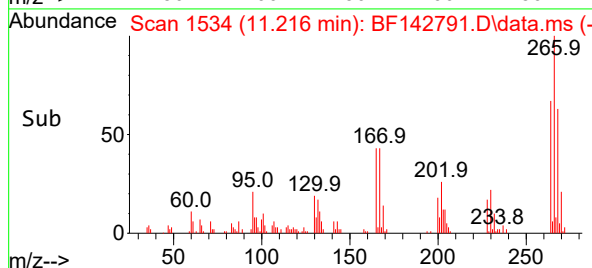
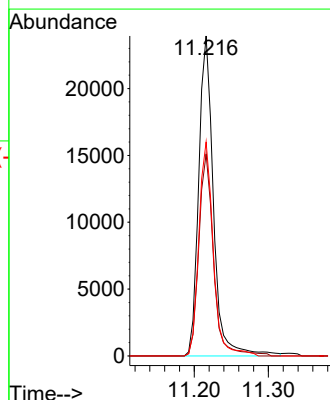
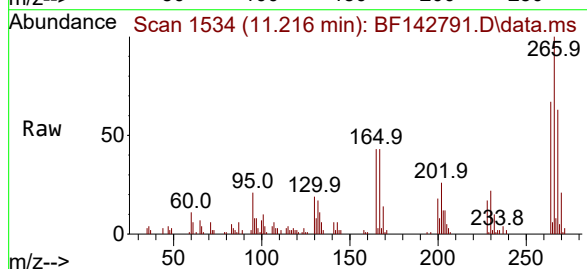
Tgt Ion:266 Resp: 33089

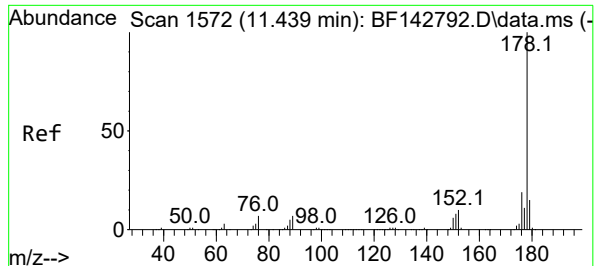
Ion Ratio Lower Upper

266 100

268 63.1 49.8 74.8

264 66.8 49.9 74.9

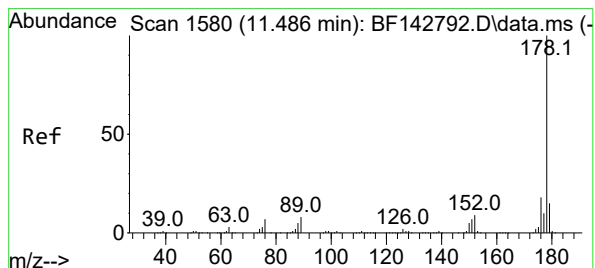
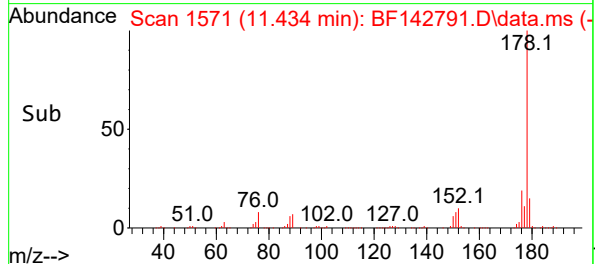
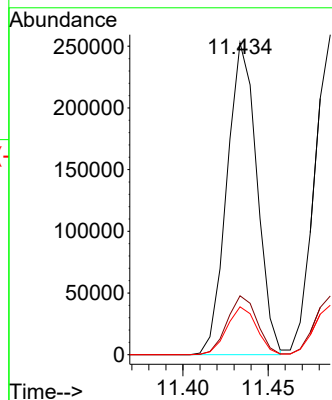
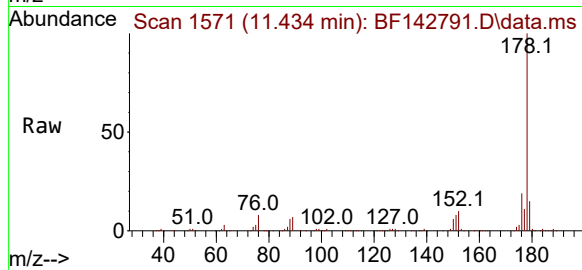




#71
Phenanthrene
Concen: 20.826 ng
RT: 11.434 min Scan# 1572
Delta R.T. -0.006 min
Lab File: BF142791.D
Acq: 19 Jun 2025 18:39

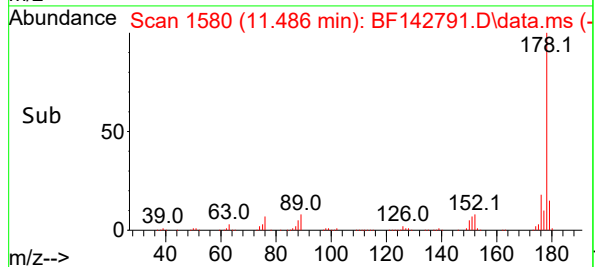
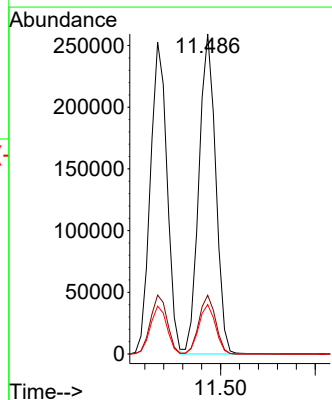
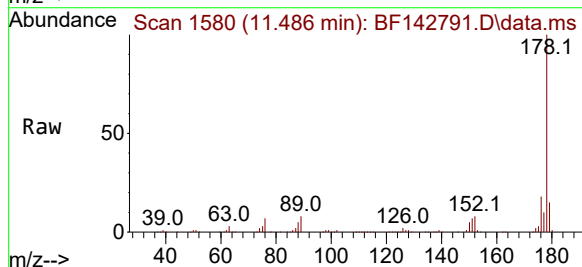
Instrument :
BNA_F
ClientSampleId :
SSTDICC020

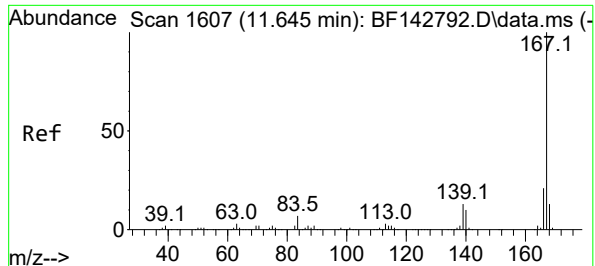
Tgt Ion:178 Resp: 309015
Ion Ratio Lower Upper
178 100
176 18.9 15.1 22.7
179 15.3 12.0 18.0



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

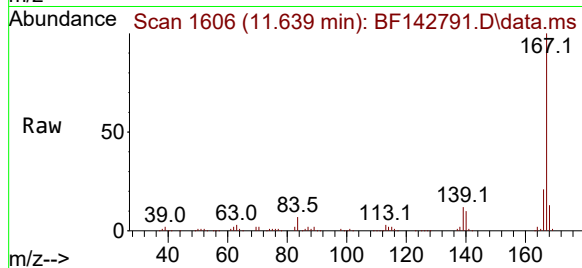
Tgt Ion:178 Resp: 318388
Ion Ratio Lower Upper
178 100
176 18.3 14.6 21.8
179 15.4 12.4 18.6



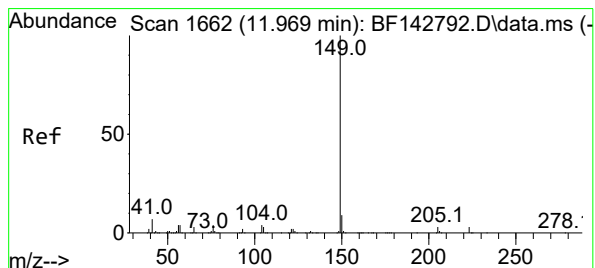
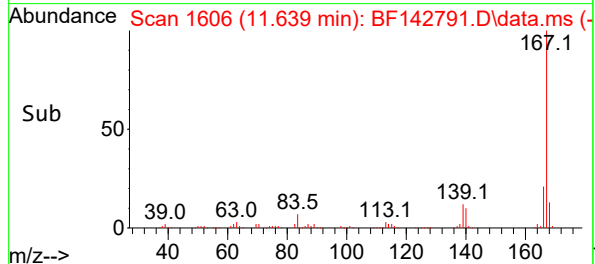
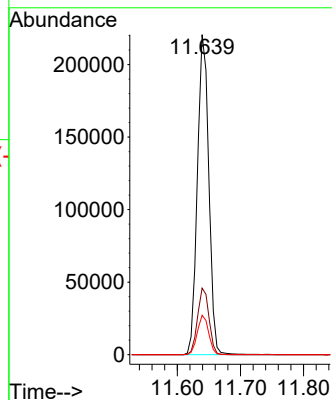


#73
Carbazole
Concen: 21.523 ng
RT: 11.639 min Scan# 1606
Delta R.T. -0.006 min
Lab File: BF142791.D
Acq: 19 Jun 2025 18:39

Instrument :
BNA_F
ClientSampleId :
SSTDICC020

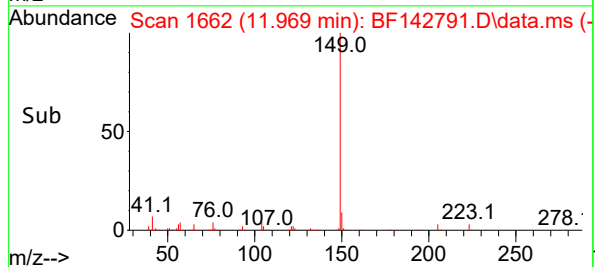
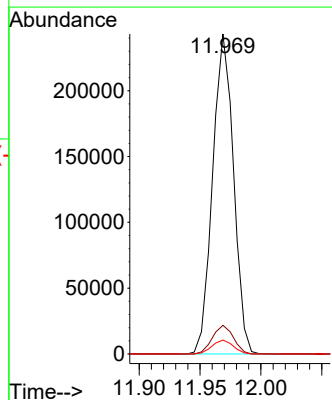
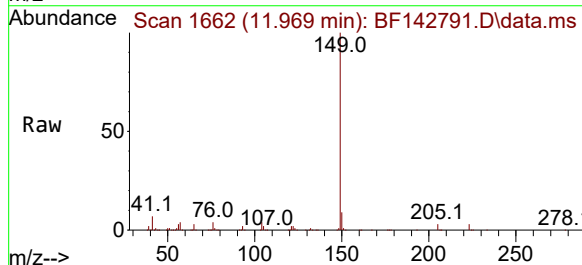


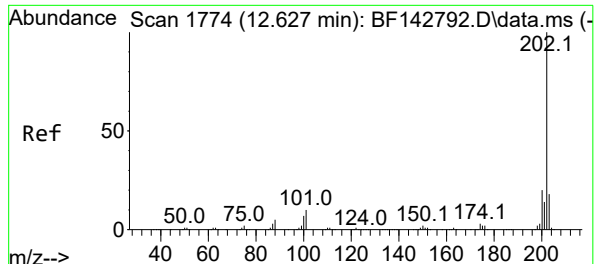
Tgt Ion:167 Resp: 276824
Ion Ratio Lower Upper
167 100
166 20.8 17.0 25.4
139 12.3 10.2 15.2



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

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

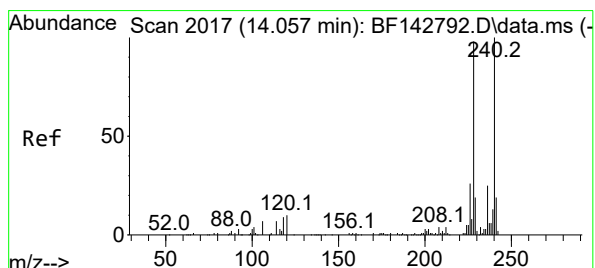
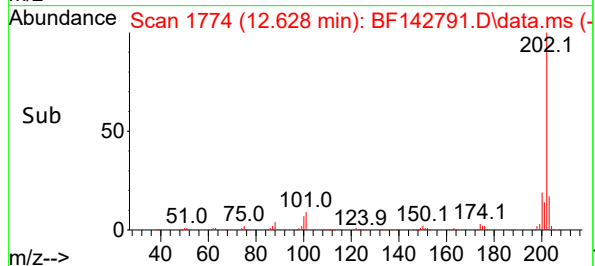
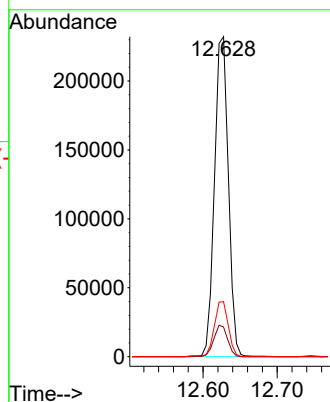
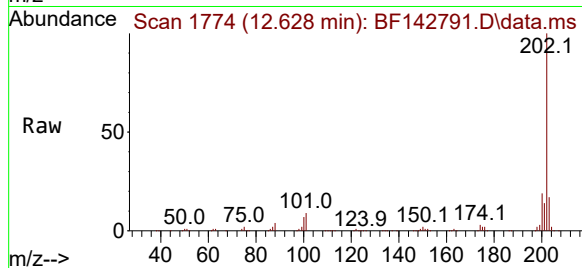




#75
Fluoranthene
Concen: 21.424 ng
RT: 12.628 min Scan# 1774
Delta R.T. 0.000 min
Lab File: BF142791.D
Acq: 19 Jun 2025 18:39

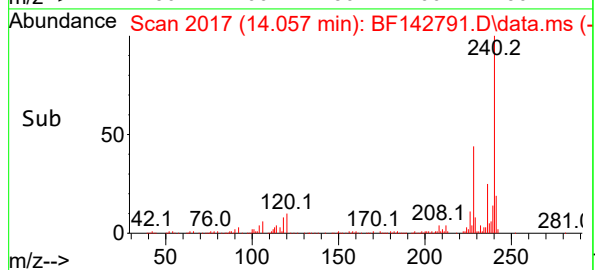
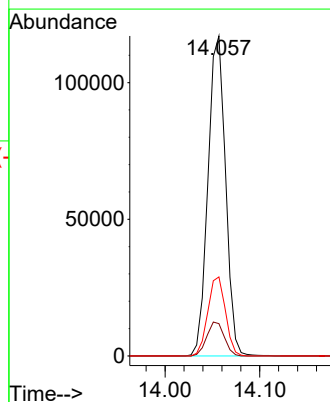
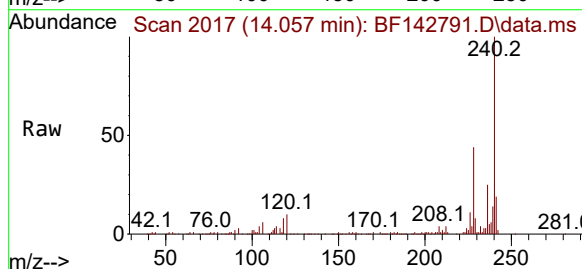
Instrument :
BNA_F
ClientSampleId :
SSTDICC020

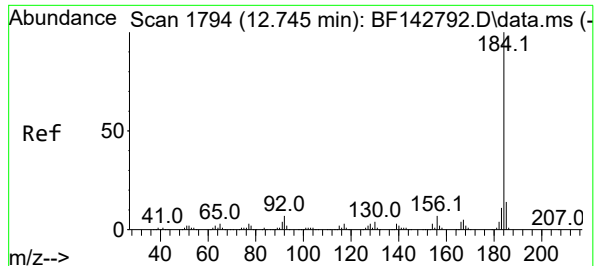
Tgt Ion:202 Resp: 302035
Ion Ratio Lower Upper
202 100
101 9.2 0.0 29.7
203 17.2 0.0 37.5



#76
Chrysene-d12
Concen: 20.000 ng
RT: 14.057 min Scan# 2017
Delta R.T. 0.000 min
Lab File: BF142791.D
Acq: 19 Jun 2025 18:39

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

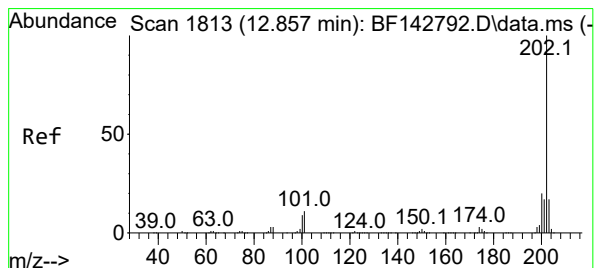
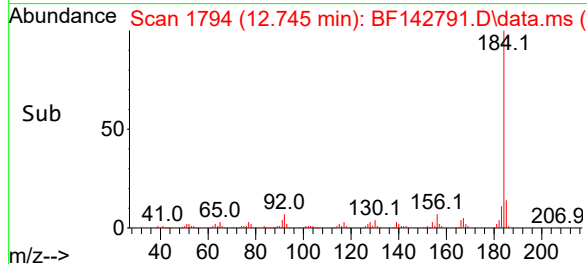
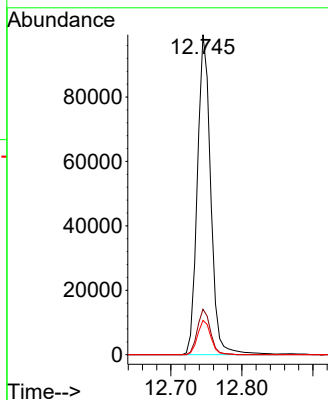
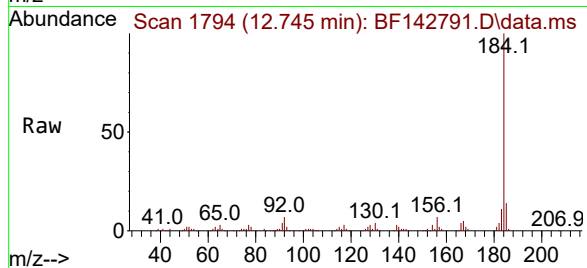




#77
Benzidine
Concen: 24.285 ng
RT: 12.745 min Scan# 1794
Delta R.T. 0.000 min
Lab File: BF142791.D
Acq: 19 Jun 2025 18:39

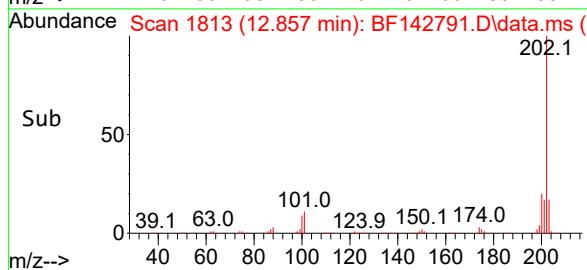
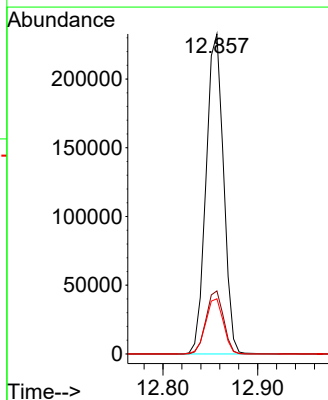
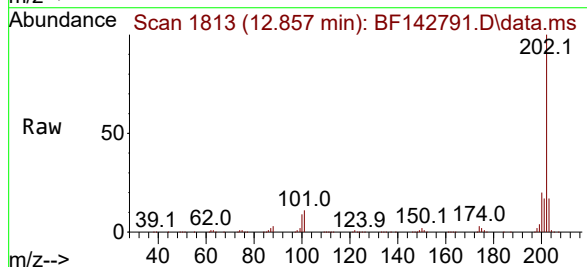
Instrument :
BNA_F
ClientSampleId :
SSTDICC020

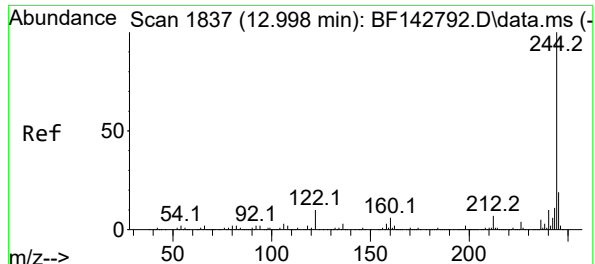
Tgt Ion:184 Resp: 130162
Ion Ratio Lower Upper
184 100
185 14.2 11.5 17.3
183 10.7 9.0 13.4



#78
Pyrene
Concen: 21.413 ng
RT: 12.857 min Scan# 1813
Delta R.T. 0.000 min
Lab File: BF142791.D
Acq: 19 Jun 2025 18:39

Tgt Ion:202 Resp: 297999
Ion Ratio Lower Upper
202 100
200 19.7 15.7 23.5
203 17.3 13.8 20.6





#79

Terphenyl-d14

Concen: 42.675 ng

RT: 12.998 min Scan# 1837

Delta R.T. 0.000 min

Lab File: BF142791.D

Acq: 19 Jun 2025 18:39

Instrument :

BNA_F

ClientSampleId :

SSTDICC020

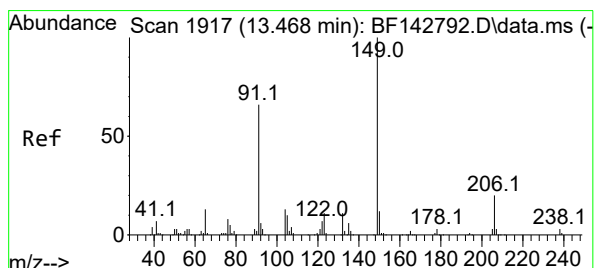
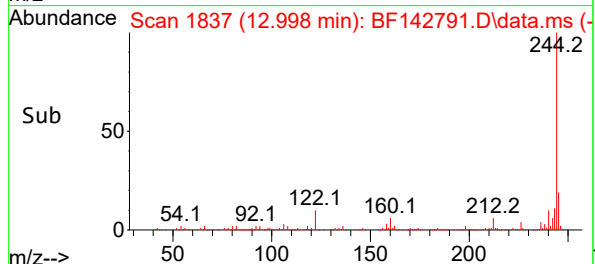
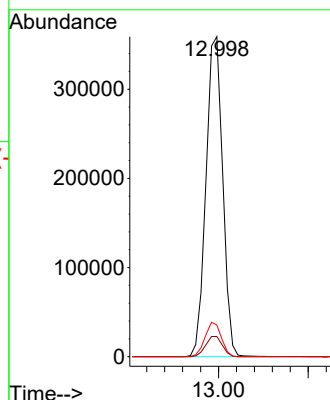
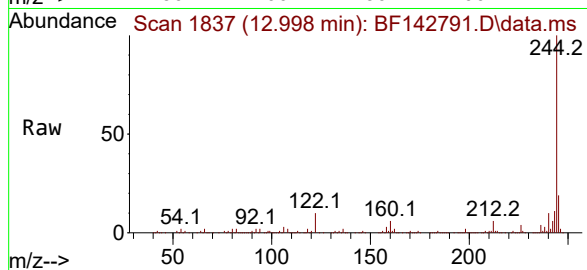
Tgt Ion:244 Resp: 464214

Ion Ratio Lower Upper

244 100

212 6.3 5.4 8.0

122 9.9 8.2 12.2



#80

Butylbenzylphthalate

Concen: 19.761 ng

RT: 13.469 min Scan# 1917

Delta R.T. 0.000 min

Lab File: BF142791.D

Acq: 19 Jun 2025 18:39

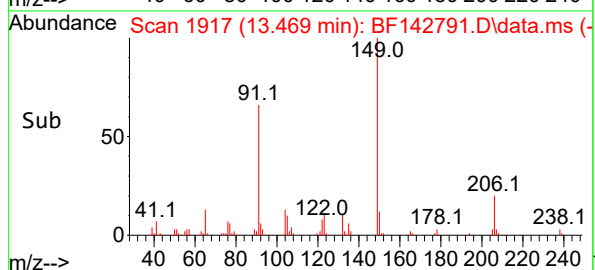
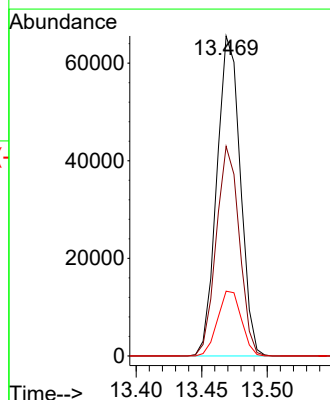
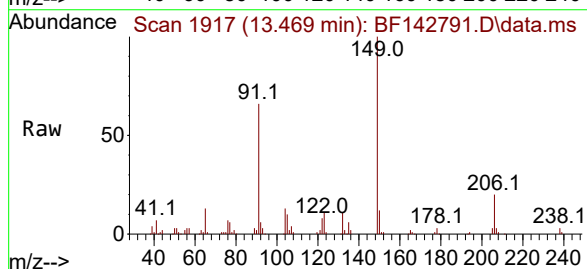
Tgt Ion:149 Resp: 81500

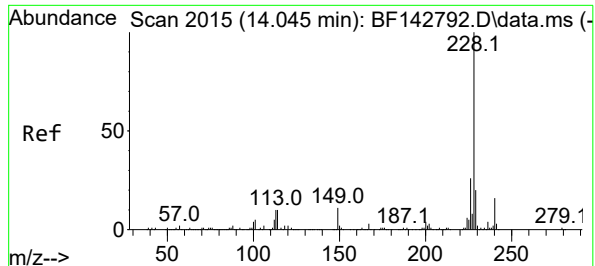
Ion Ratio Lower Upper

149 100

91 65.5 52.9 79.3

206 20.3 16.3 24.5

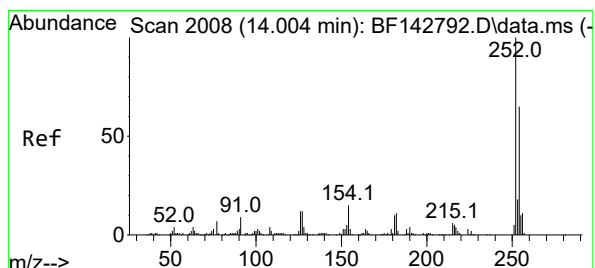
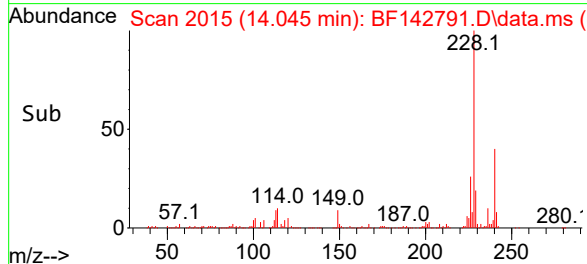
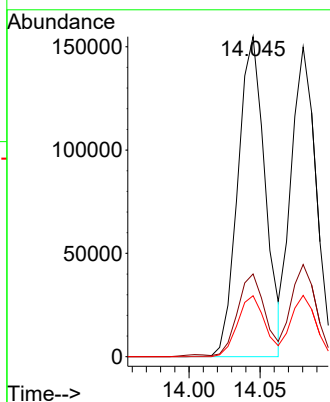
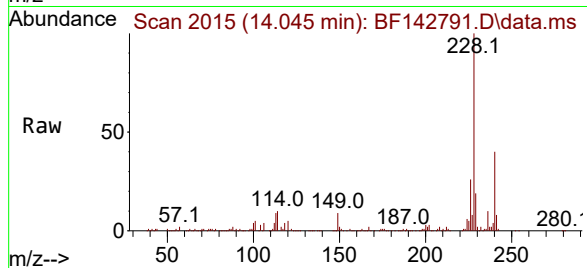




#81
Benzo(a)anthracene
Concen: 20.807 ng
RT: 14.045 min Scan# 2015
Delta R.T. 0.000 min
Lab File: BF142791.D
Acq: 19 Jun 2025 18:39

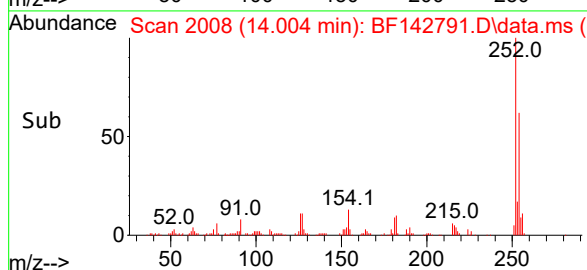
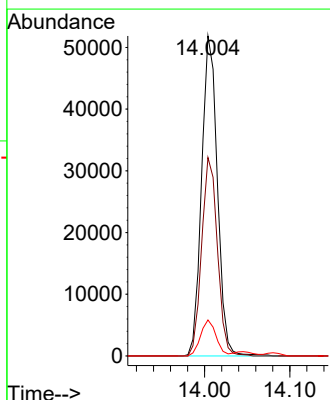
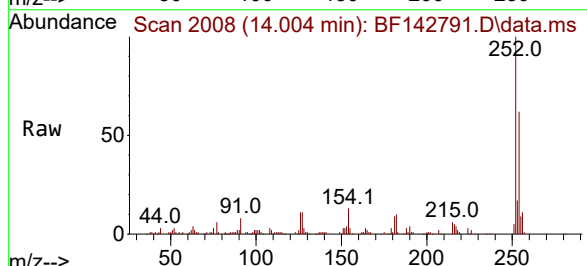
Instrument :
BNA_F
ClientSampleId :
SSTDICC020

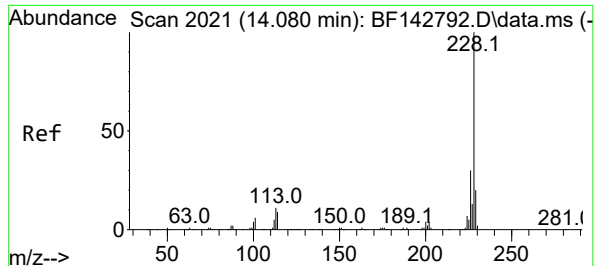
Tgt Ion:228 Resp: 206831
Ion Ratio Lower Upper
228 100
226 25.8 21.2 31.8
229 19.0 15.6 23.4



#82
3,3'-Dichlorobenzidine
Concen: 20.714 ng
RT: 14.004 min Scan# 2008
Delta R.T. 0.000 min
Lab File: BF142791.D
Acq: 19 Jun 2025 18:39

Tgt Ion:252 Resp: 66675
Ion Ratio Lower Upper
252 100
254 62.0 51.7 77.5
126 11.3 9.4 14.2

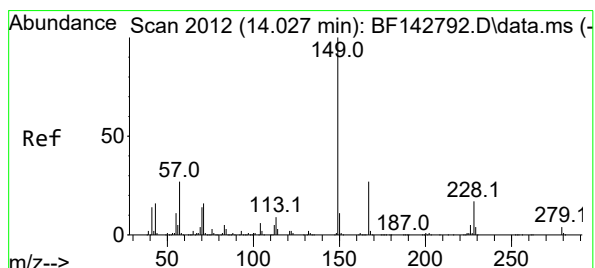
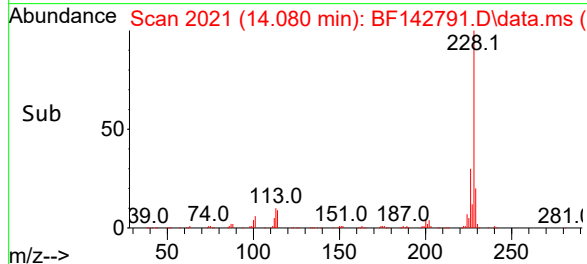
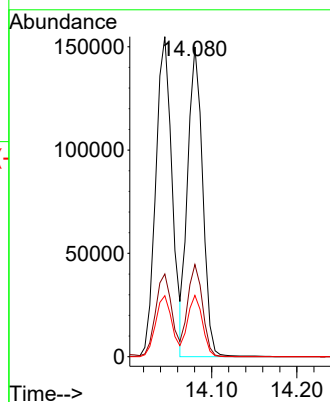
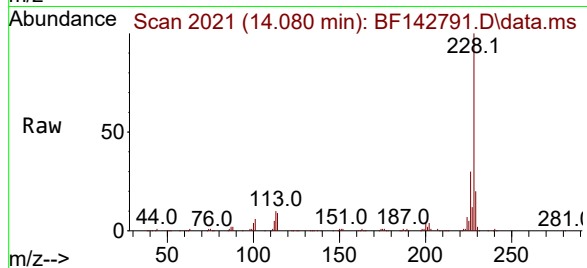




#83
Chrysene
Concen: 19.756 ng
RT: 14.080 min Scan# 2021
Delta R.T. 0.000 min
Lab File: BF142791.D
Acq: 19 Jun 2025 18:39

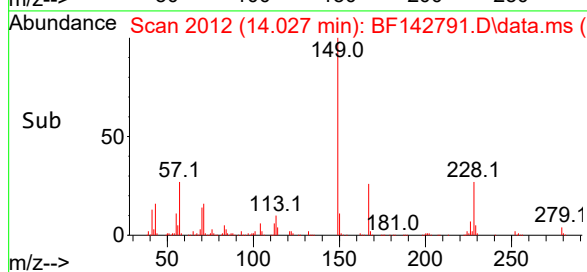
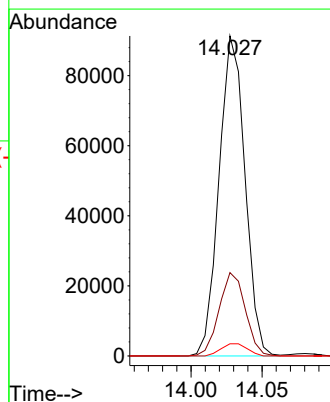
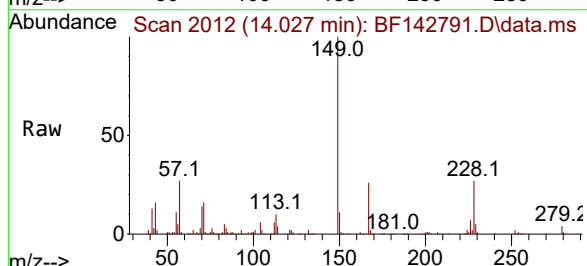
Instrument :
BNA_F
ClientSampleId :
SSTDICC020

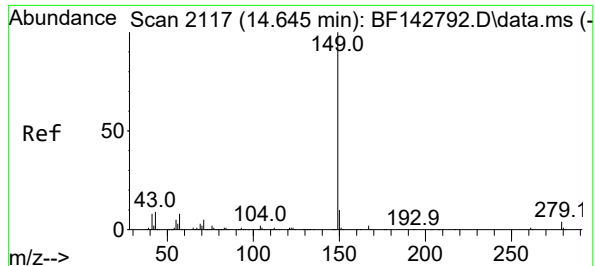
Tgt Ion:228 Resp: 182829
Ion Ratio Lower Upper
228 100
226 29.8 23.7 35.5
229 19.8 15.7 23.5



#84
Bis(2-ethylhexyl)phthalate
Concen: 18.892 ng
RT: 14.027 min Scan# 2012
Delta R.T. 0.000 min
Lab File: BF142791.D
Acq: 19 Jun 2025 18:39

Tgt Ion:149 Resp: 116092
Ion Ratio Lower Upper
149 100
167 26.0 21.4 32.0
279 3.8 3.0 4.6

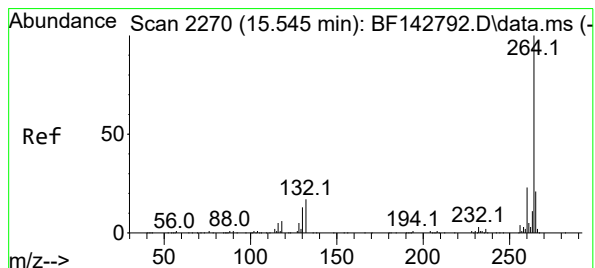
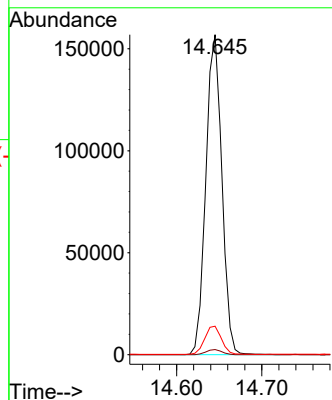
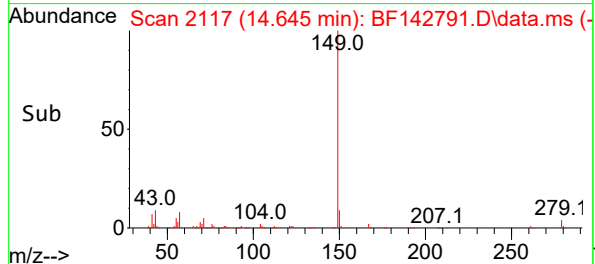
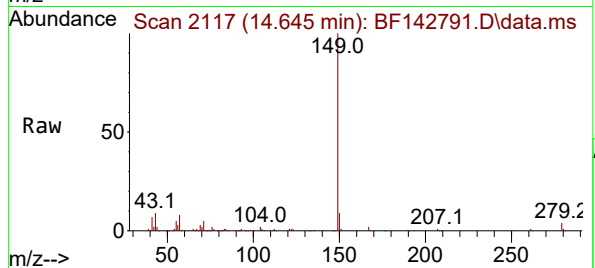




#85
Di-n-octyl phthalate
Concen: 17.475 ng
RT: 14.645 min Scan# 2117
Delta R.T. 0.000 min
Lab File: BF142791.D
Acq: 19 Jun 2025 18:39

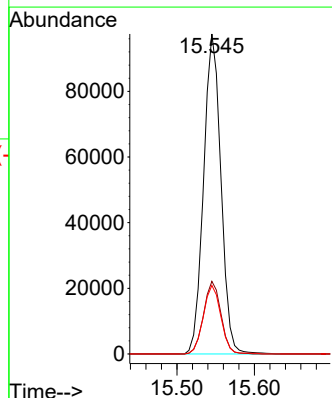
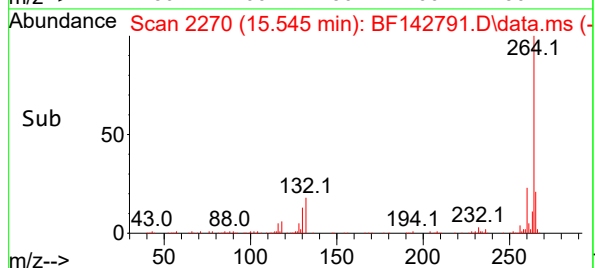
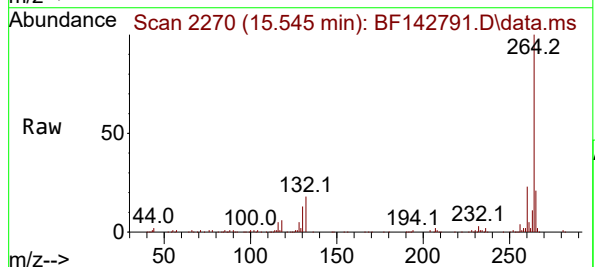
Instrument :
BNA_F
ClientSampleId :
SSTDICC020

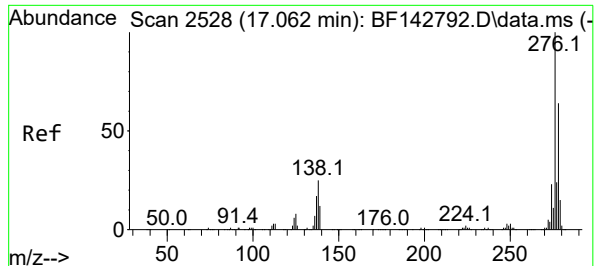
Tgt Ion:149 Resp: 204632
Ion Ratio Lower Upper
149 100
167 1.6 1.3 1.9
43 9.2 7.6 11.4



#86
Perylene-d12
Concen: 20.000 ng
RT: 15.545 min Scan# 2270
Delta R.T. 0.000 min
Lab File: BF142791.D
Acq: 19 Jun 2025 18:39

Tgt Ion:264 Resp: 151331
Ion Ratio Lower Upper
264 100
260 22.7 18.1 27.1
265 21.4 16.6 25.0





#87

Indeno(1,2,3-cd)pyrene

Concen: 20.893 ng

RT: 17.051 min Scan# 2195

Delta R.T. -0.012 min

Lab File: BF142791.D

Acq: 19 Jun 2025 18:39

Instrument :

BNA_F

ClientSampleId :

SSTDICC020

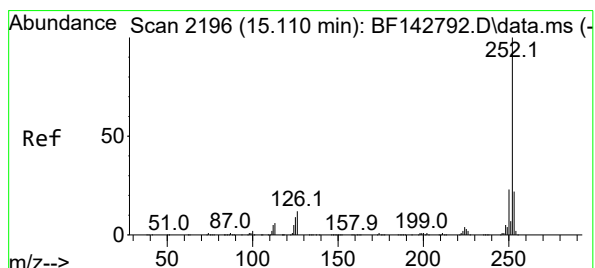
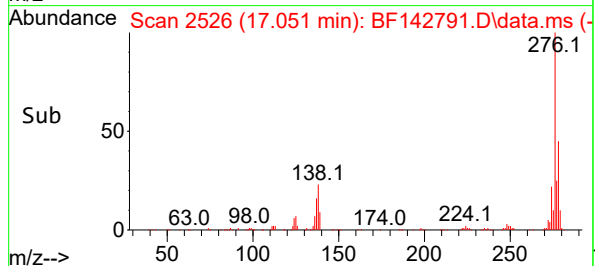
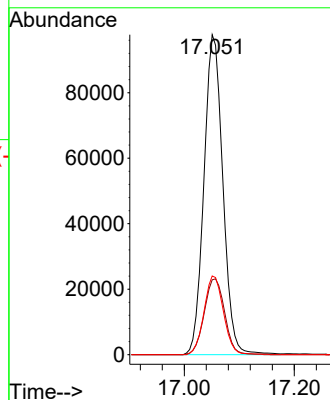
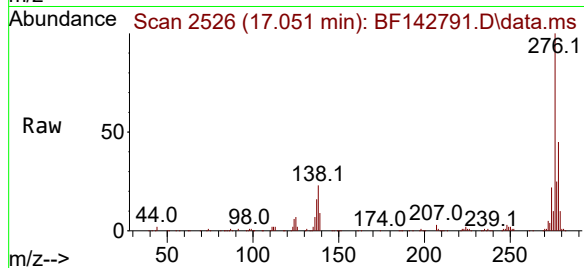
Tgt Ion:276 Resp: 233757

Ion Ratio Lower Upper

276 100

138 25.6 20.2 30.4

277 25.2 19.8 29.6



#88

Benzo(b)fluoranthene

Concen: 21.056 ng

RT: 15.104 min Scan# 2195

Delta R.T. -0.006 min

Lab File: BF142791.D

Acq: 19 Jun 2025 18:39

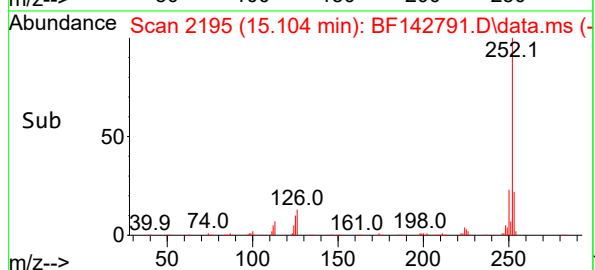
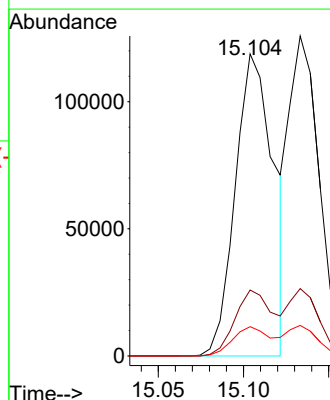
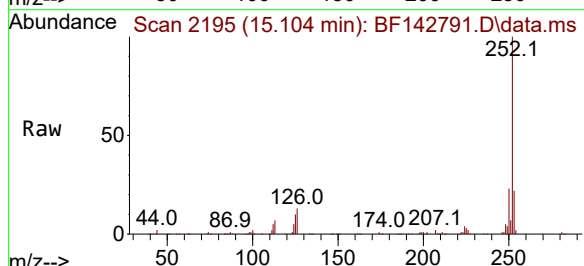
Tgt Ion:252 Resp: 185574

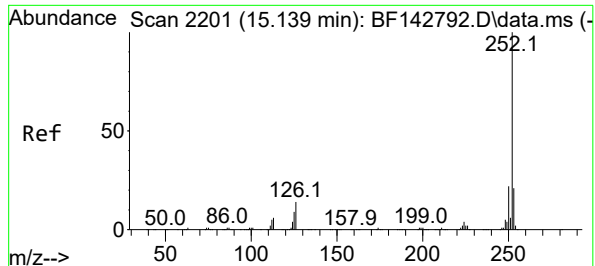
Ion Ratio Lower Upper

252 100

253 21.8 17.5 26.3

125 9.7 7.4 11.0





#89

Benzo(k)fluoranthene

Concen: 18.201 ng

RT: 15.133 min Scan# 21

Delta R.T. -0.006 min

Lab File: BF142791.D

Acq: 19 Jun 2025 18:39

Instrument :

BNA_F

ClientSampleId :

SSTDICC020

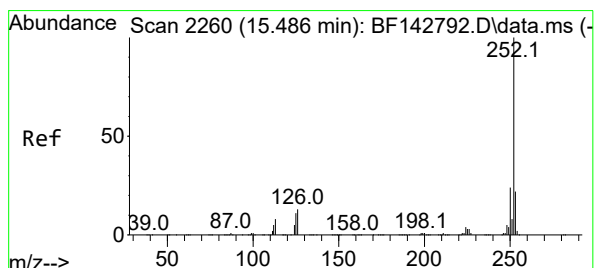
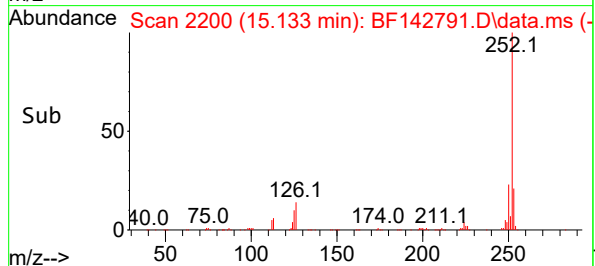
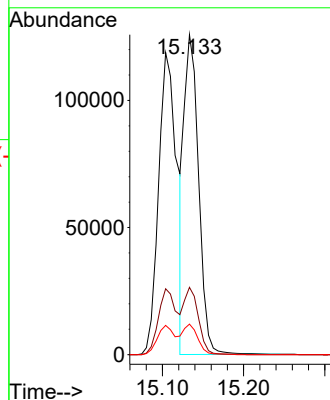
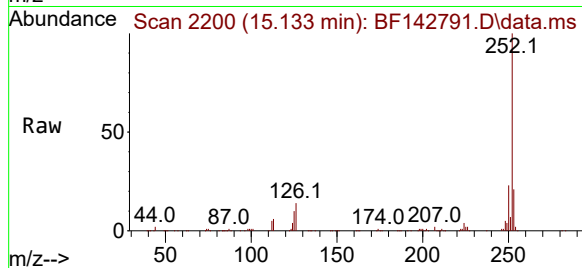
Tgt Ion:252 Resp: 156588

Ion Ratio Lower Upper

252 100

253 21.1 17.2 25.8

125 9.6 7.4 11.2



#90

Benzo(a)pyrene

Concen: 20.162 ng

RT: 15.480 min Scan# 2259

Delta R.T. -0.006 min

Lab File: BF142791.D

Acq: 19 Jun 2025 18:39

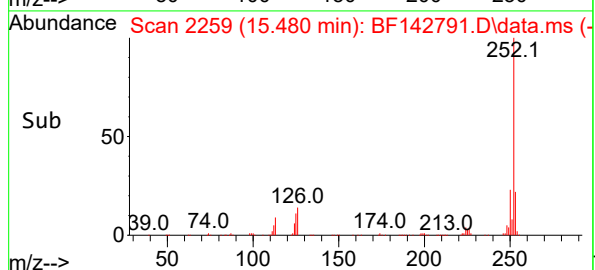
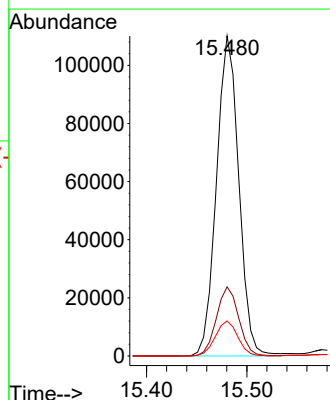
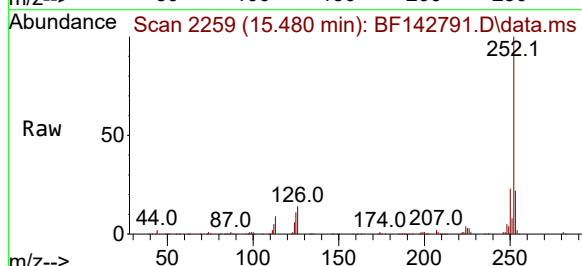
Tgt Ion:252 Resp: 170053

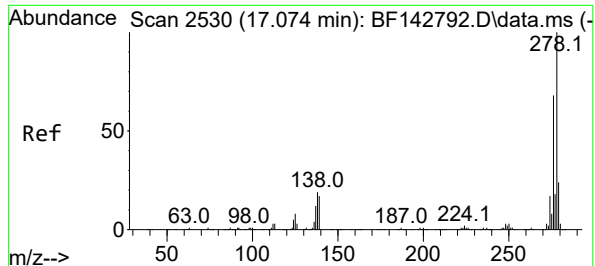
Ion Ratio Lower Upper

252 100

253 21.6 17.5 26.3

125 11.0 8.6 12.8

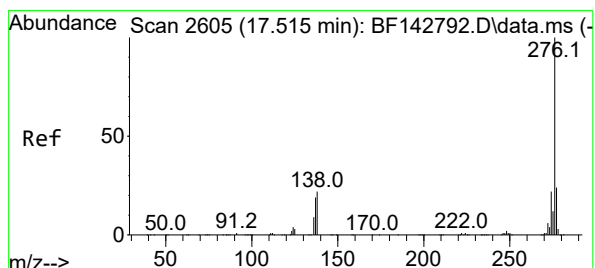
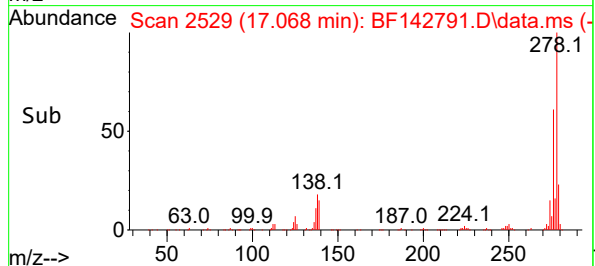
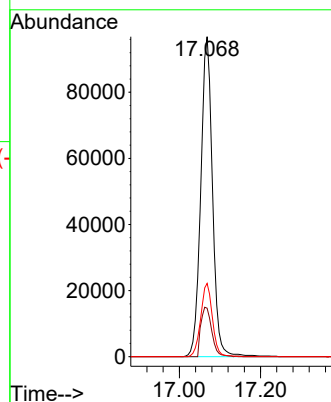
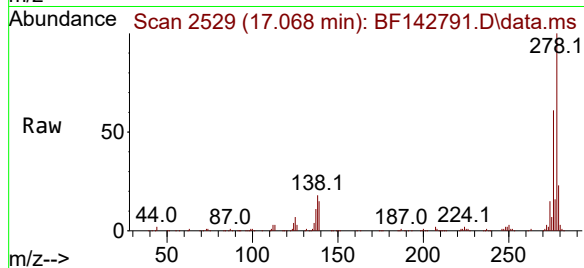




#91
Dibenzo(a,h)anthracene
Concen: 21.504 ng
RT: 17.068 min Scan# 21
Delta R.T. -0.006 min
Lab File: BF142791.D
Acq: 19 Jun 2025 18:39

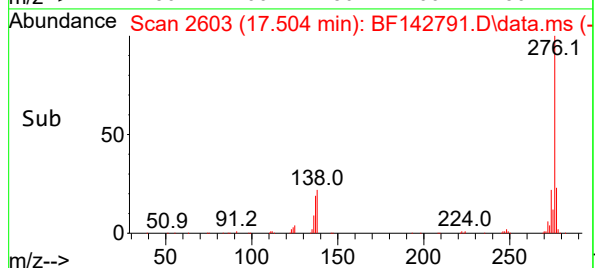
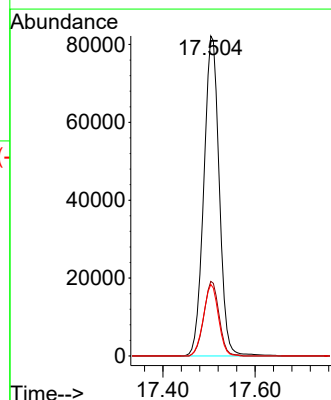
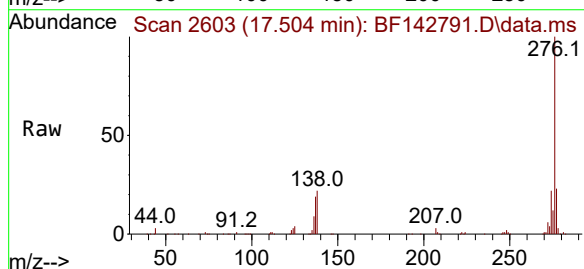
Instrument :
BNA_F
ClientSampleId :
SSTDICC020

Tgt Ion:278 Resp: 195608
Ion Ratio Lower Upper
278 100
139 15.1 13.5 20.3
279 22.9 18.8 28.2



#92
Benzo(g,h,i)perylene
Concen: 21.109 ng
RT: 17.504 min Scan# 2603
Delta R.T. -0.012 min
Lab File: BF142791.D
Acq: 19 Jun 2025 18:39

Tgt Ion:276 Resp: 191567
Ion Ratio Lower Upper
276 100
277 23.3 18.8 28.2
138 22.3 17.6 26.4



Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF061925\
 Data File : BF142792.D
 Acq On : 19 Jun 2025 19:09
 Operator : RC/JU
 Sample : 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

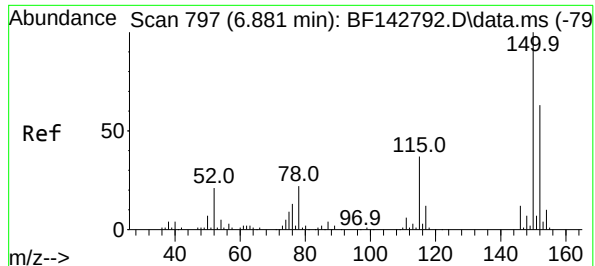
Quant Time: Jun 20 04:39:58 2025
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF061925.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Fri Jun 20 04:36:38 2025
 Response via : Initial Calibration

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

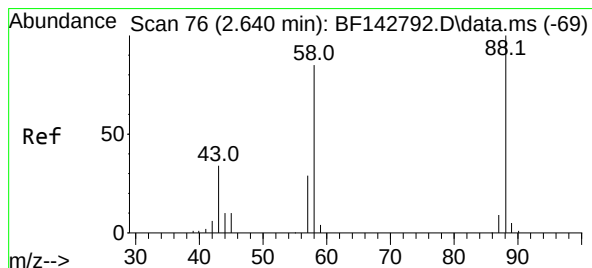
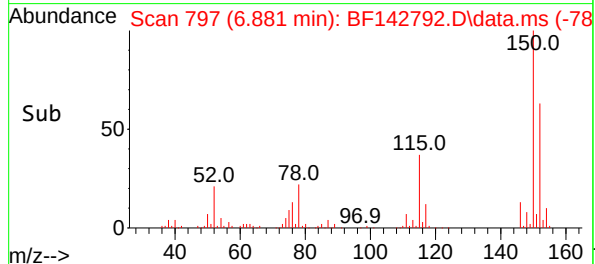
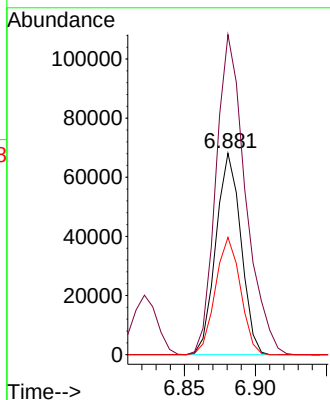
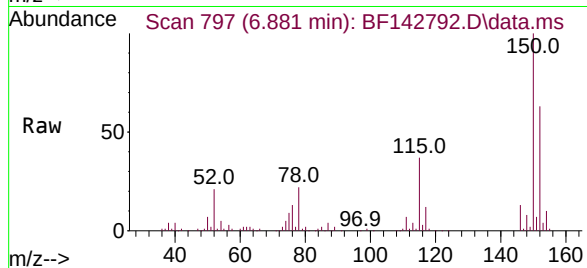
[illegible]



#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

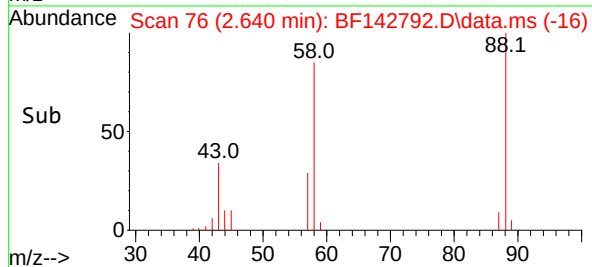
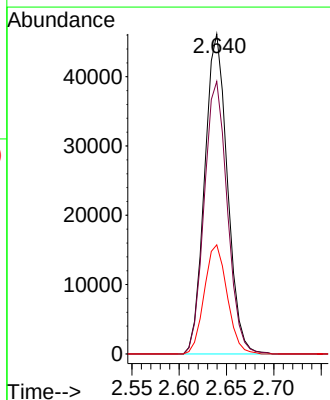
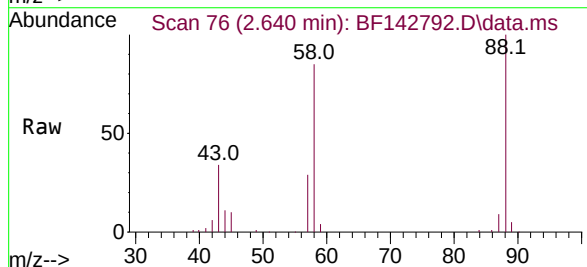
Instrument :
BNA_F
ClientSampleId :
SSTDICCC040

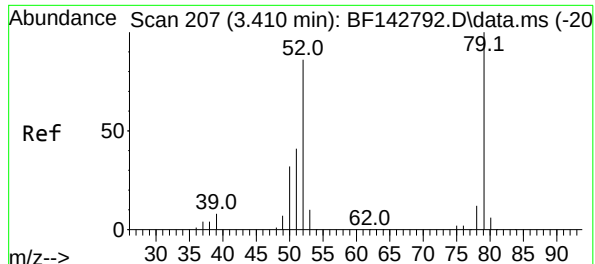
Tgt Ion:152 Resp: 83734
Ion Ratio Lower Upper
152 100
150 159.0 127.2 190.8
115 58.2 46.6 69.8



#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

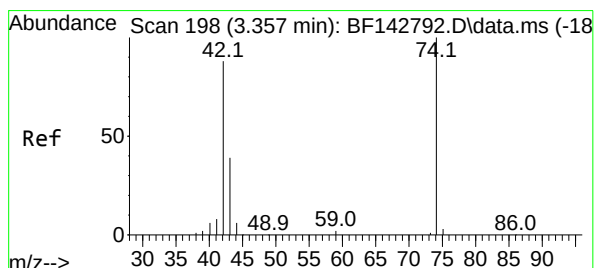
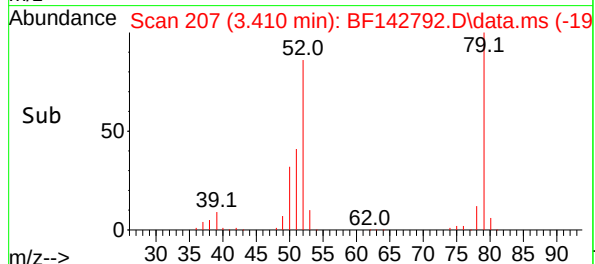
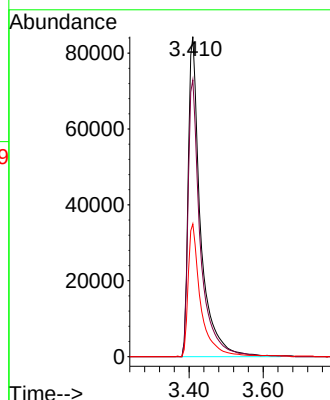
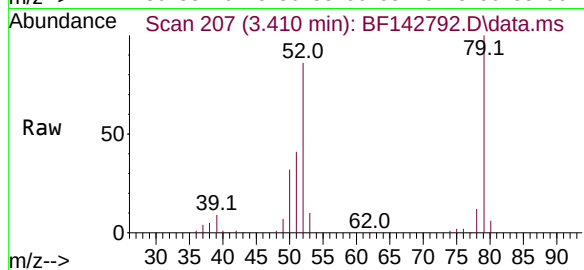
Tgt Ion: 79 Resp: 194866

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

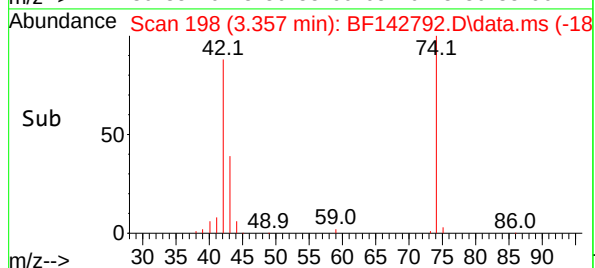
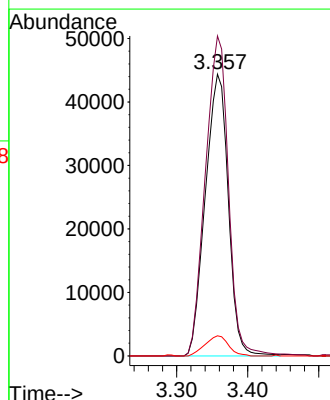
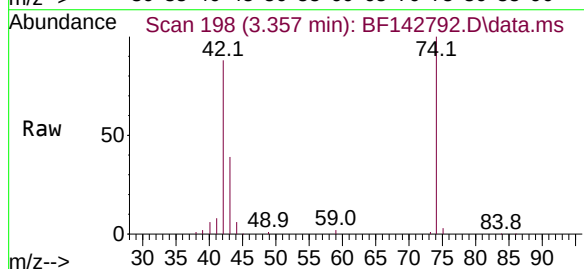
Tgt Ion: 42 Resp: 99851

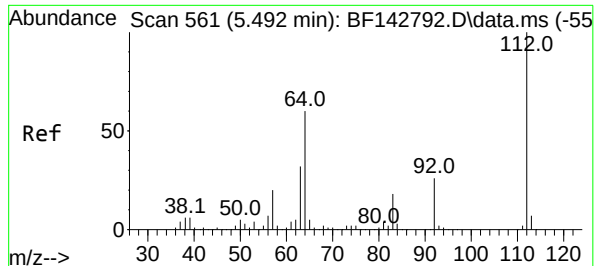
Ion Ratio Lower Upper

42 100

74 113.6 90.9 136.3

44 7.2 5.8 8.6

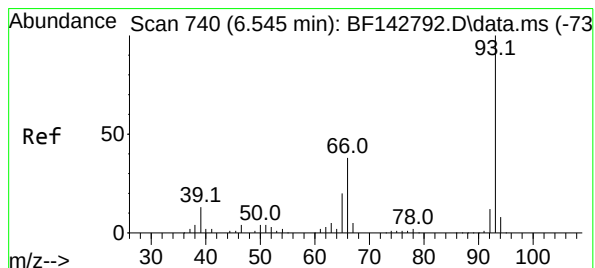
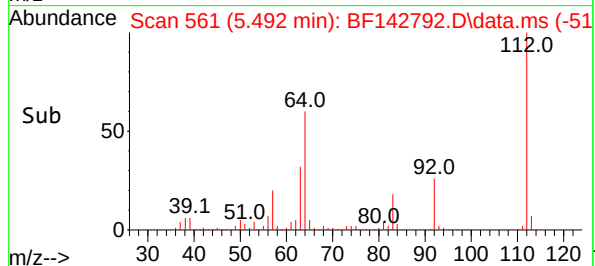
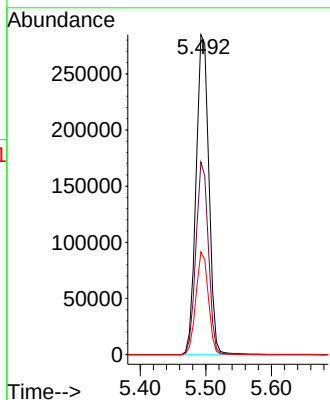
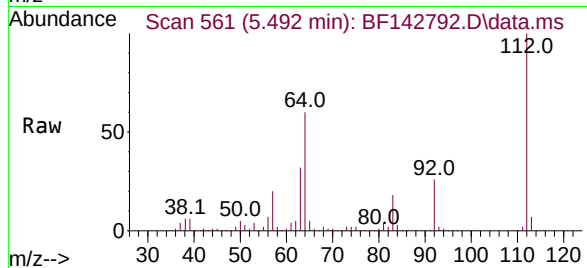




#5
2-Fluorophenol
Concen: 78.420 ng
RT: 5.492 min Scan# 561
Delta R.T. 0.000 min
Lab File: BF142792.D
Acq: 19 Jun 2025 19:09

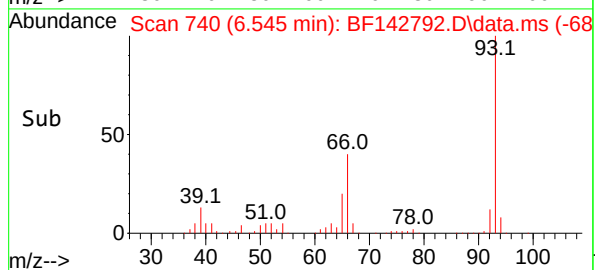
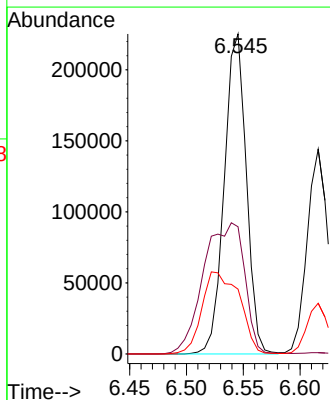
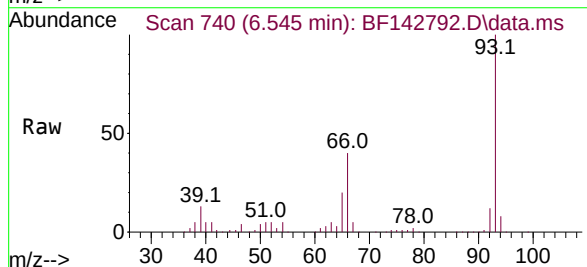
Instrument :
BNA_F
ClientSampleId :
SSTDICCC040

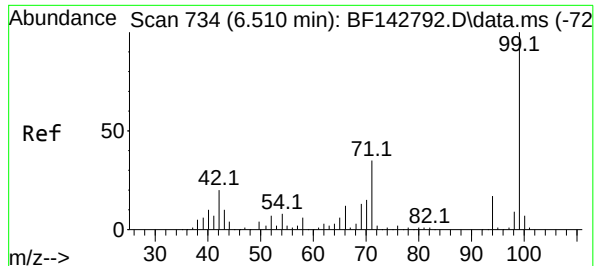
Tgt Ion:112 Resp: 384996
Ion Ratio Lower Upper
112 100
64 60.2 48.2 72.2
63 32.1 25.7 38.5



#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

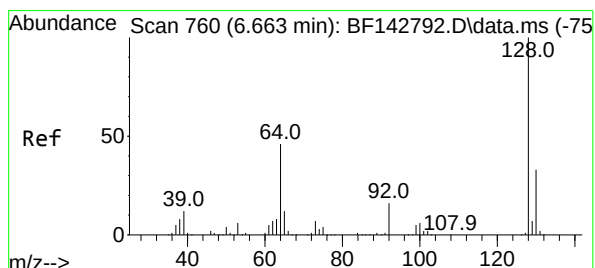
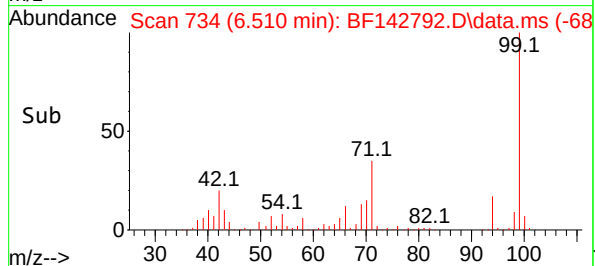
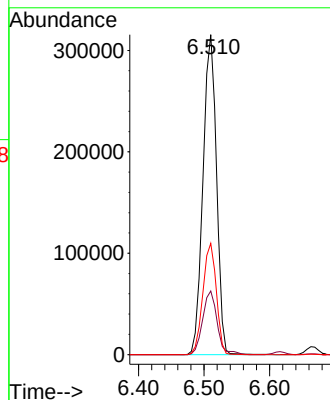
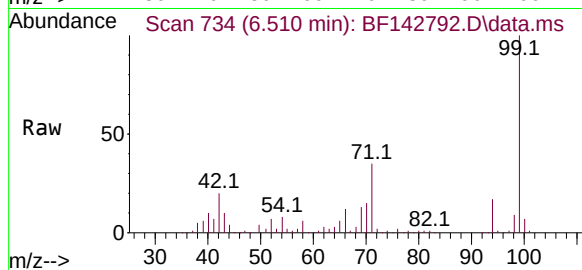
Tgt Ion: 99 Resp: 448961

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

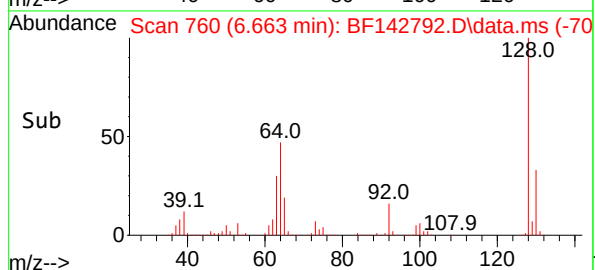
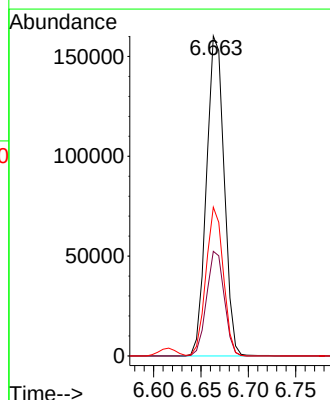
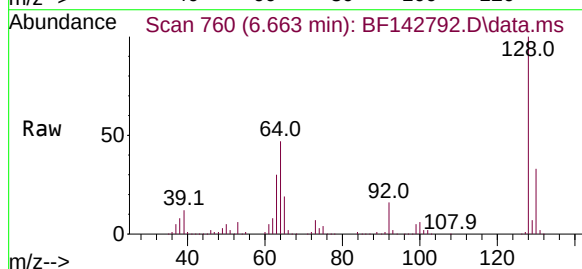
Tgt Ion: 128 Resp: 208444

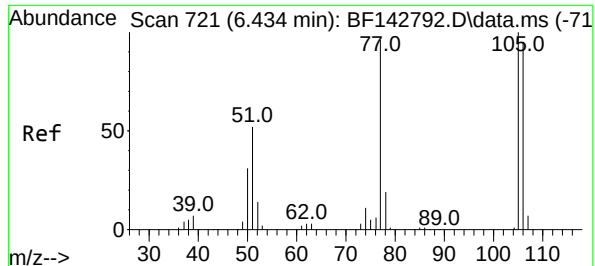
Ion Ratio Lower Upper

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

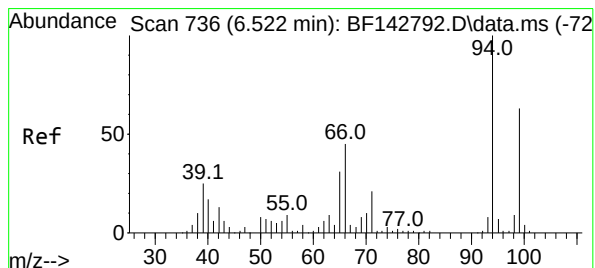
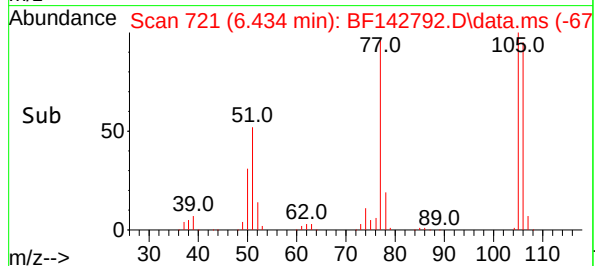
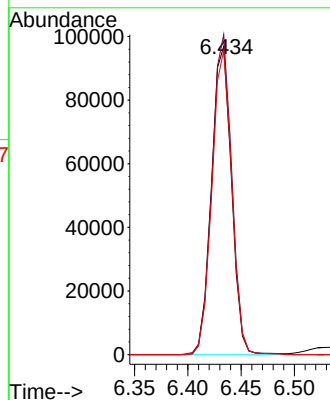
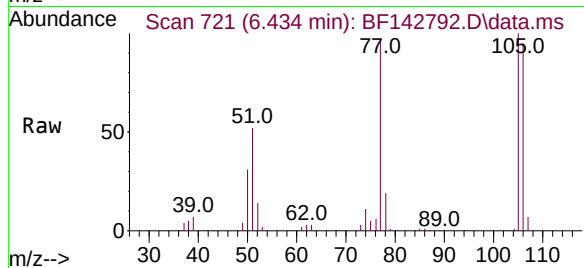
Tgt Ion: 77 Resp: 126748

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

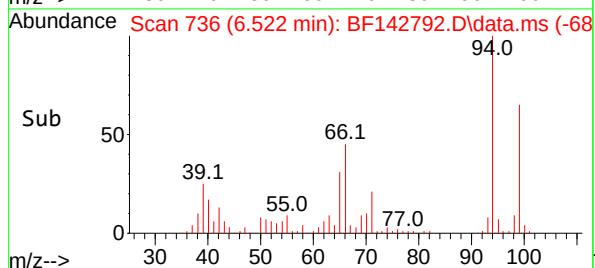
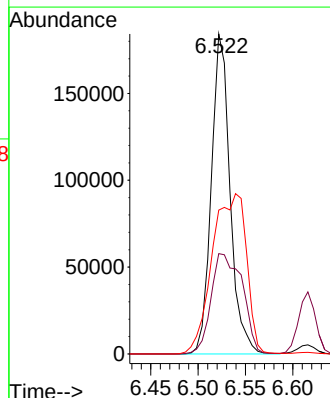
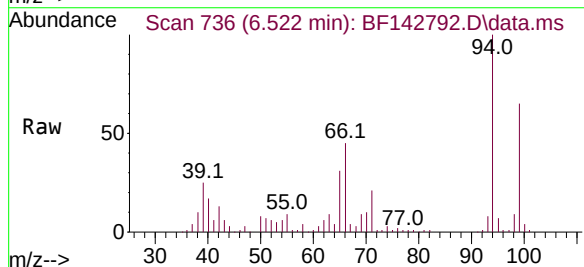
Tgt Ion: 94 Resp: 253916

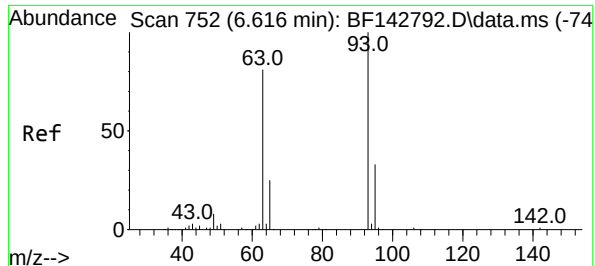
Ion Ratio Lower Upper

94 100

65 31.3 11.3 51.3

66 44.9 24.9 64.9

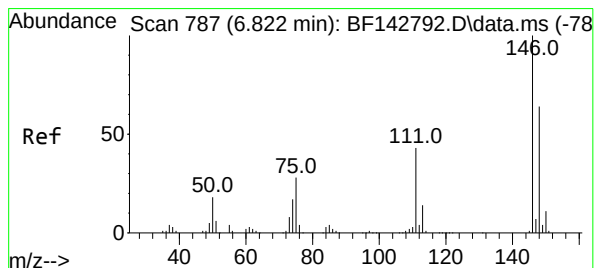
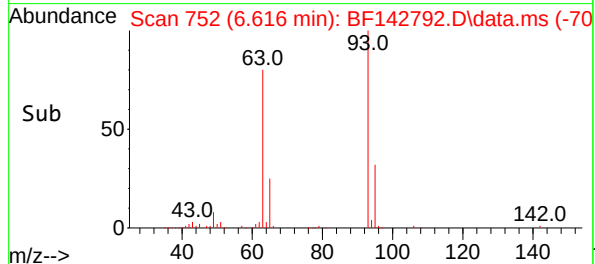
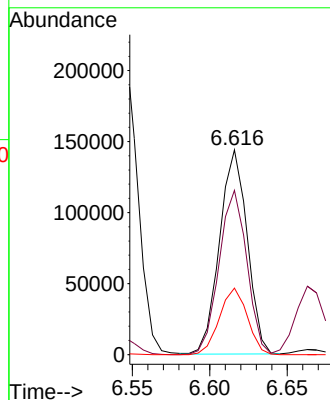
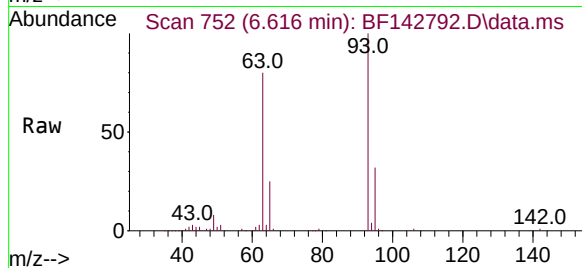




#11
bis(2-Chloroethyl)ether
Concen: 37.634 ng
RT: 6.616 min Scan# 752
Delta R.T. 0.000 min
Lab File: BF142792.D
Acq: 19 Jun 2025 19:09

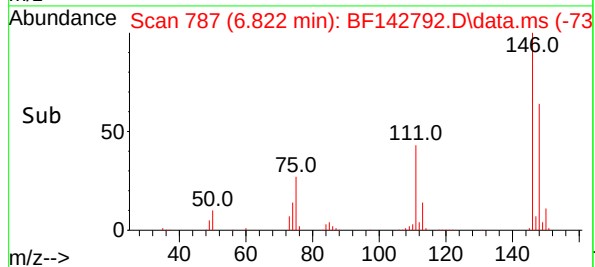
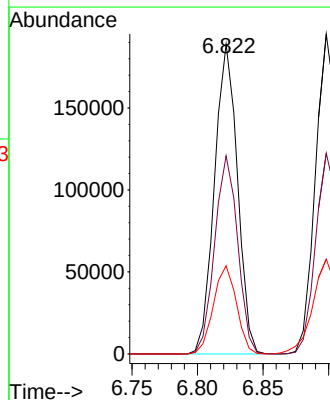
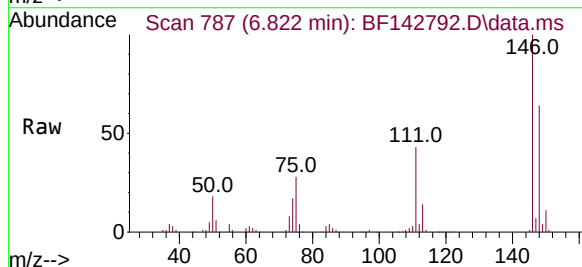
Instrument :
BNA_F
ClientSampleId :
SSTDICCC040

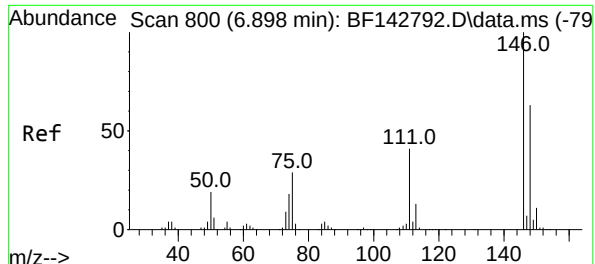
Tgt Ion	93	63	95
Resp:	179469		
Ion Ratio	100	80.3	32.5
Lower		60.3	12.5
Upper		100.3	52.5



#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	148	75
Resp:	230658		
Ion Ratio	100	63.9	28.4
Lower		51.1	22.7
Upper		76.7	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

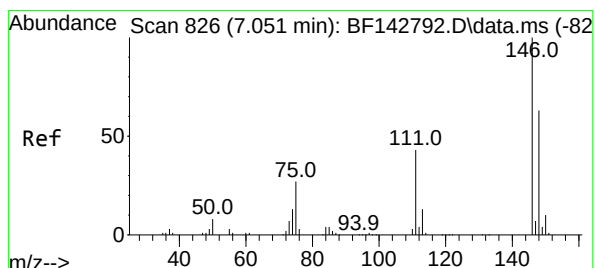
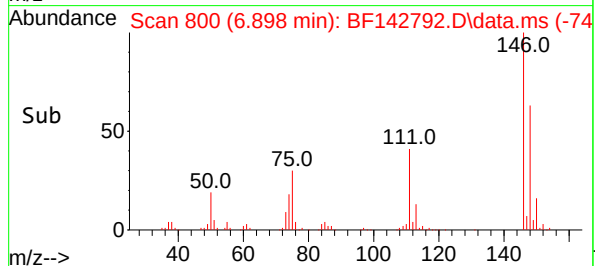
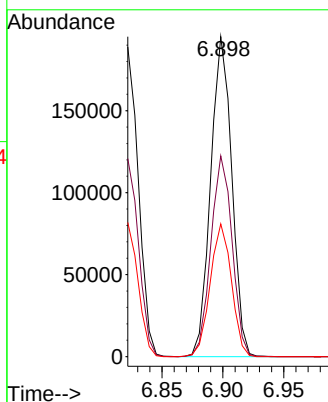
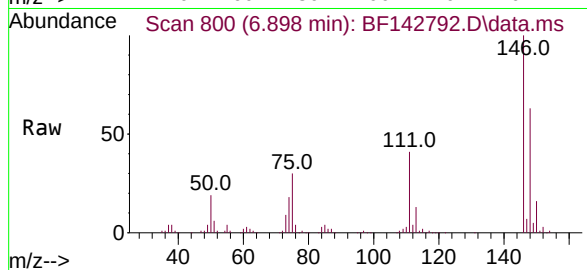
Tgt Ion:146 Resp: 235951

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

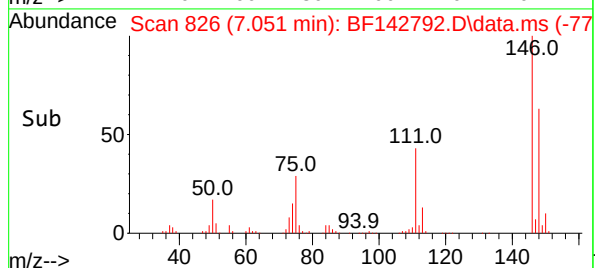
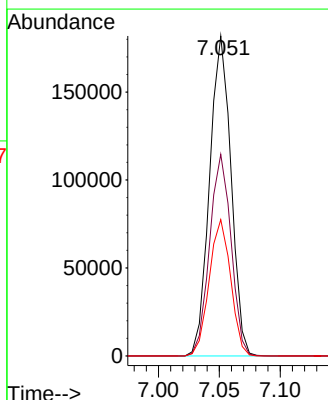
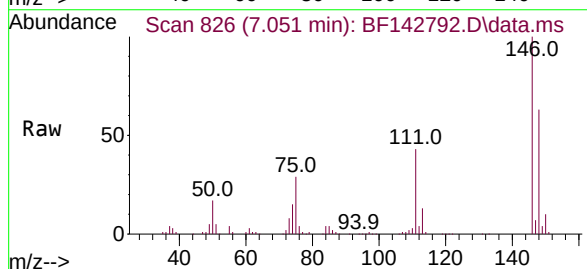
Tgt Ion:146 Resp: 222976

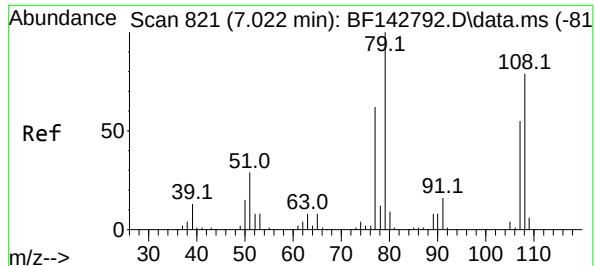
Ion Ratio Lower Upper

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

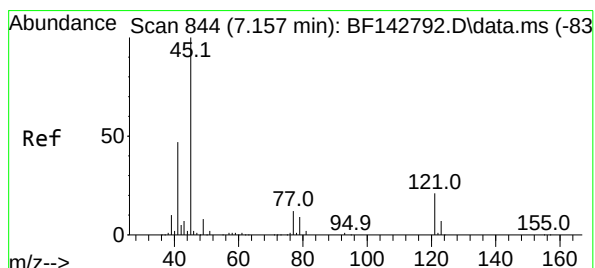
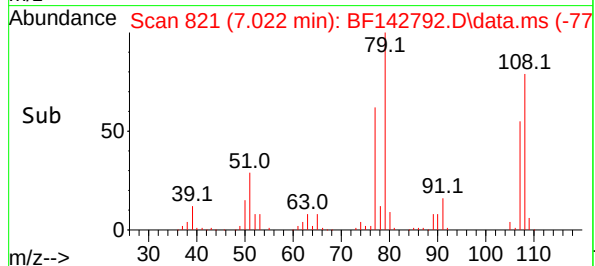
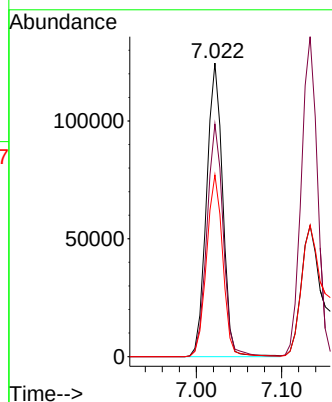
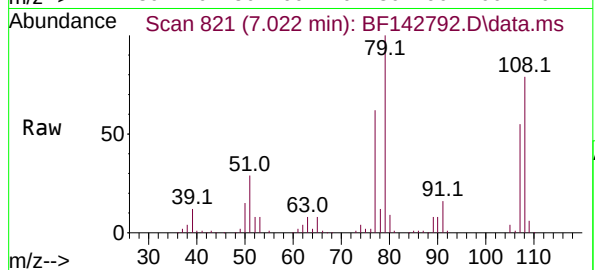
Tgt Ion: 79 Resp: 163491

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

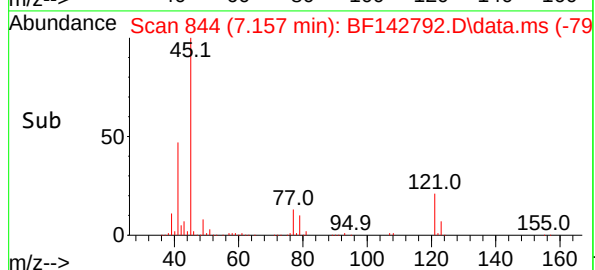
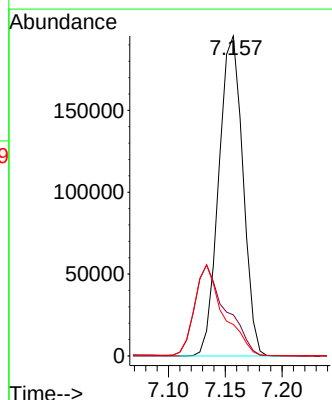
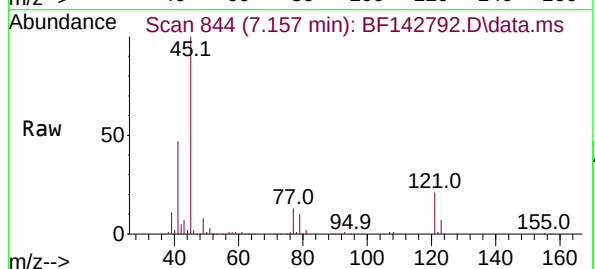
Tgt Ion: 45 Resp: 288515

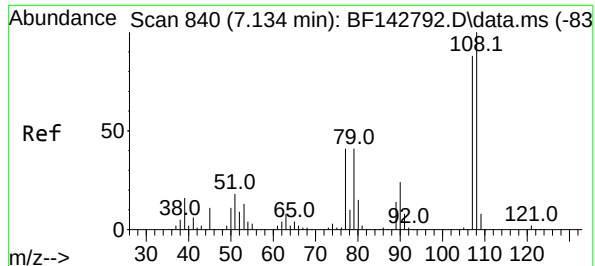
Ion Ratio Lower Upper

45 100

77 12.8 0.0 32.8

79 9.8 0.0 29.8

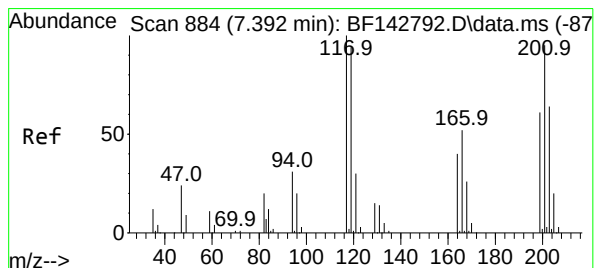
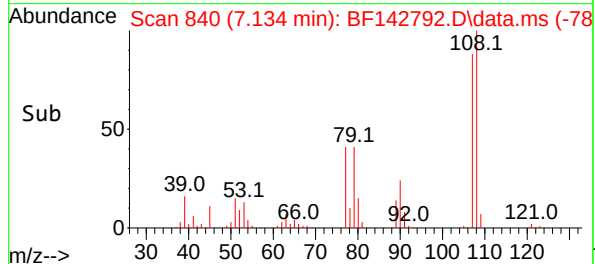
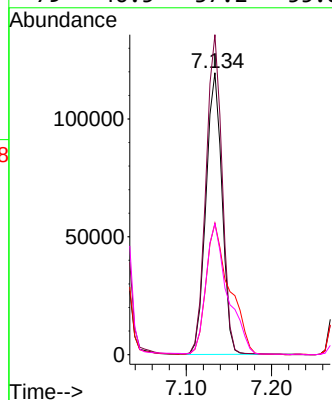
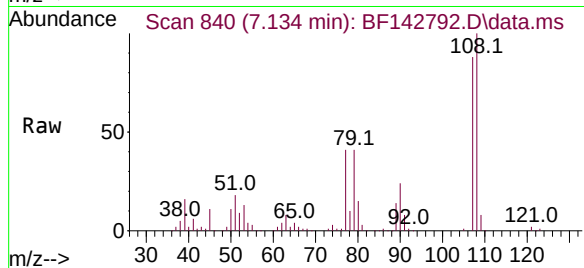




#17
2-Methylphenol
Concen: 38.454 ng
RT: 7.134 min Scan# 840
Delta R.T. 0.000 min
Lab File: BF142792.D
Acq: 19 Jun 2025 19:09

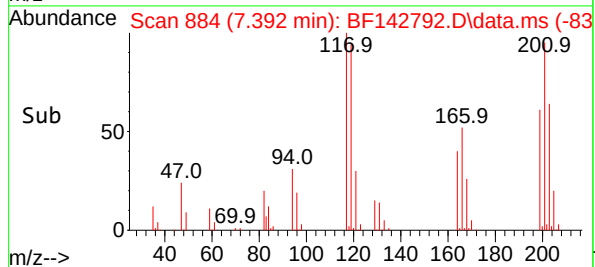
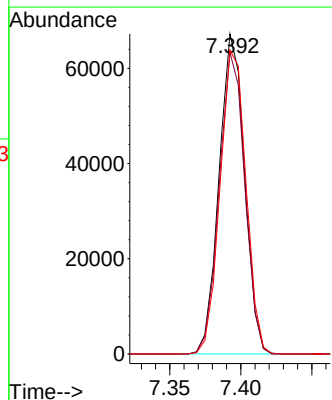
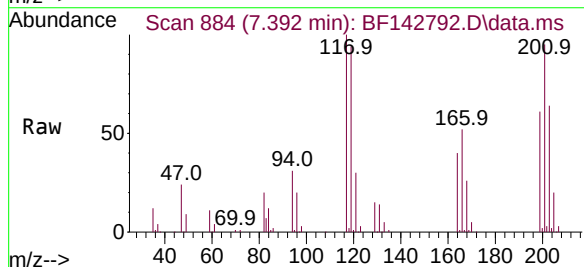
Instrument :
BNA_F
ClientSampleId :
SSTDICCC040

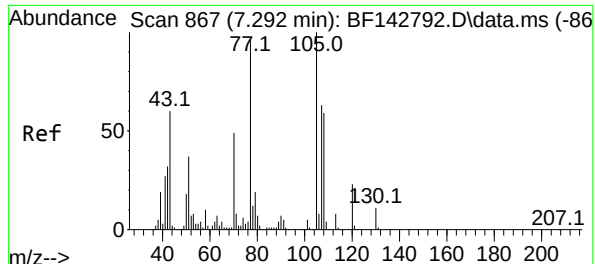
Tgt Ion:107 Resp: 157159
Ion Ratio Lower Upper
107 100
108 113.6 90.9 136.3
77 46.6 37.3 55.9
79 46.5 37.2 55.8



#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

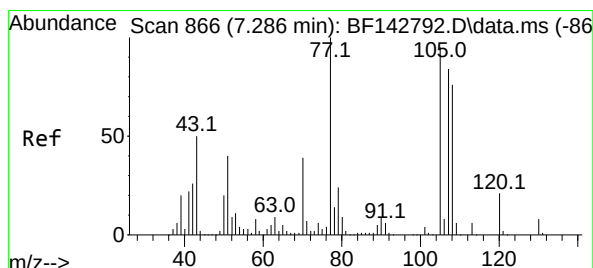
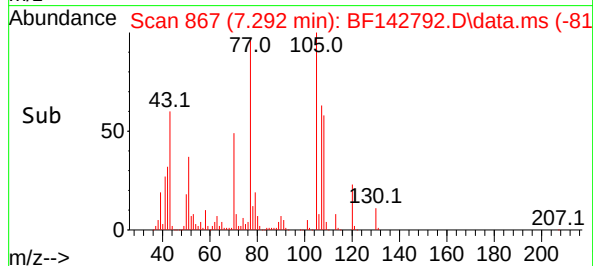
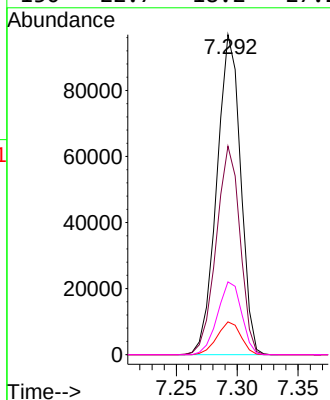
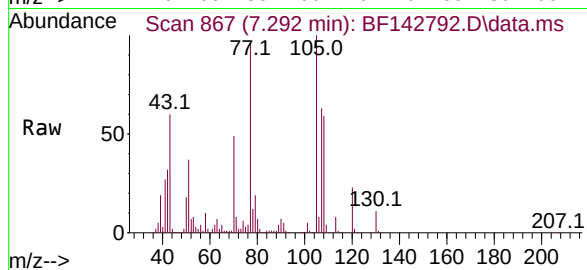
Ion Ratio Lower Upper

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

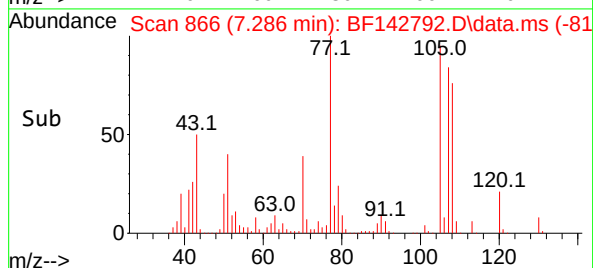
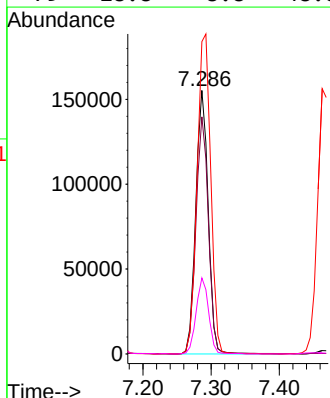
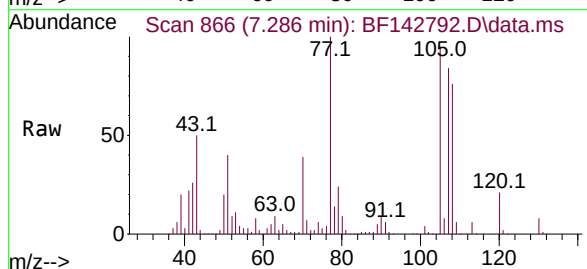
Ion Ratio Lower Upper

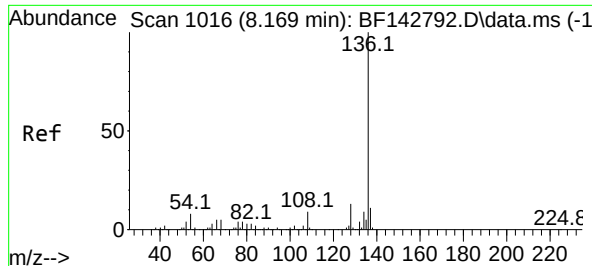
107 100

108 90.0 70.0 110.0

77 118.5 98.5 138.5

79 28.8 8.8 48.8



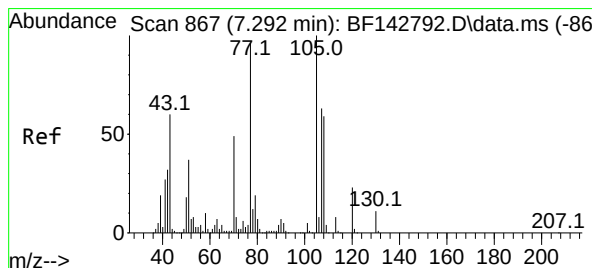
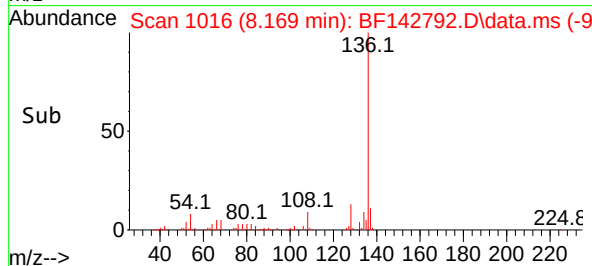
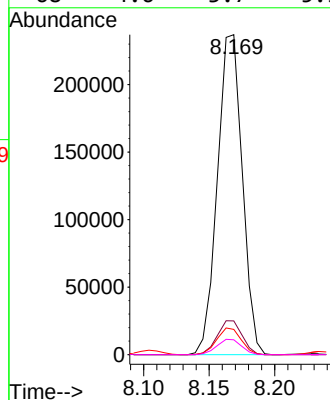
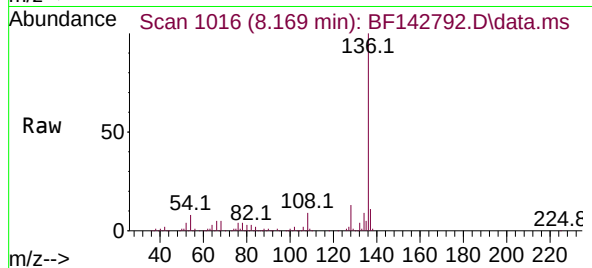


#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.169 min Scan# 1016
Delta R.T. 0.000 min
Lab File: BF142792.D
Acq: 19 Jun 2025 19:09

Instrument :
BNA_F
ClientSampleId :
SSTDICCC040

Tgt Ion:136 Resp: 313297

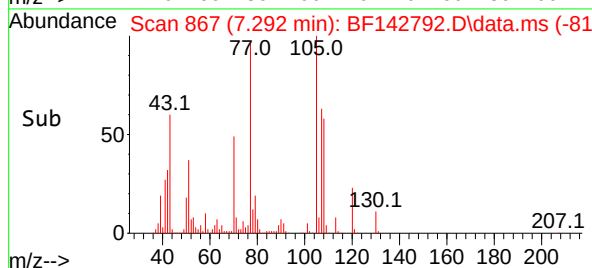
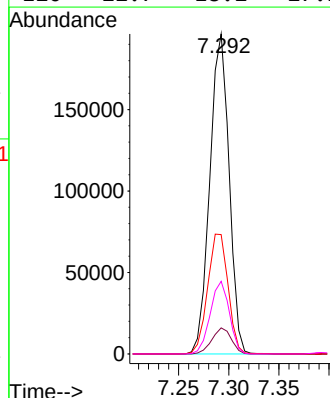
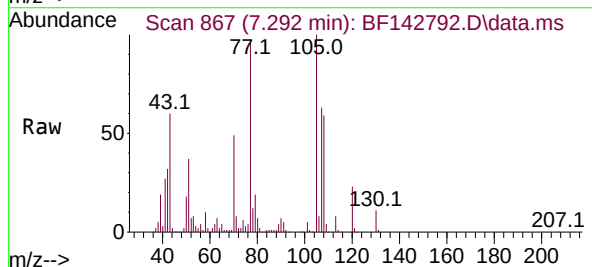
Ion	Ratio	Lower	Upper
136	100		
137	10.5	8.4	12.6
54	7.9	6.3	9.5
68	4.6	3.7	5.5

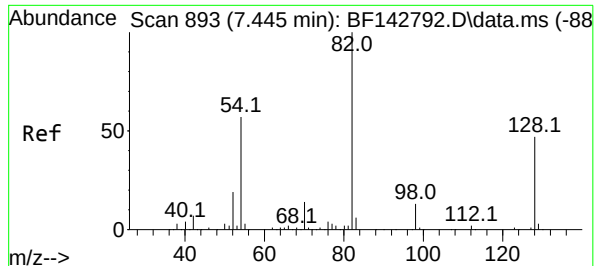


#22
Acetophenone
Concen: 37.828 ng
RT: 7.292 min Scan# 867
Delta R.T. 0.000 min
Lab File: BF142792.D
Acq: 19 Jun 2025 19:09

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

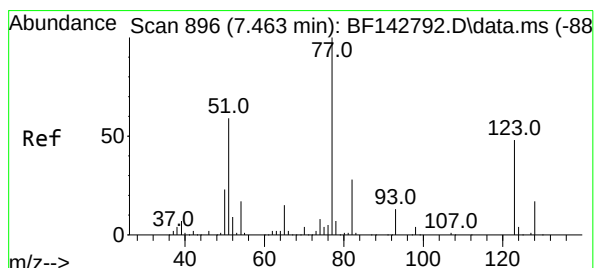
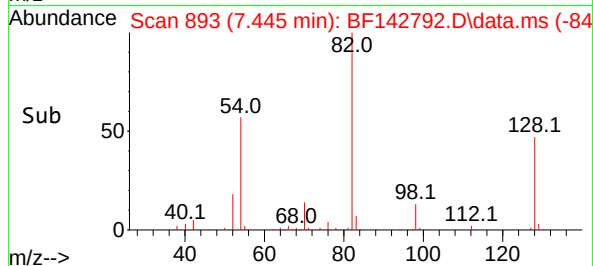
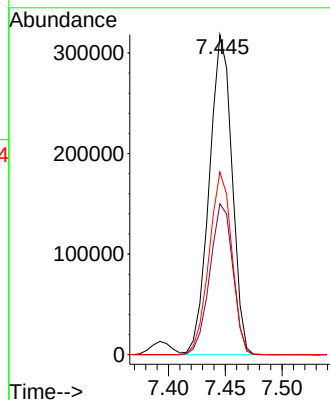
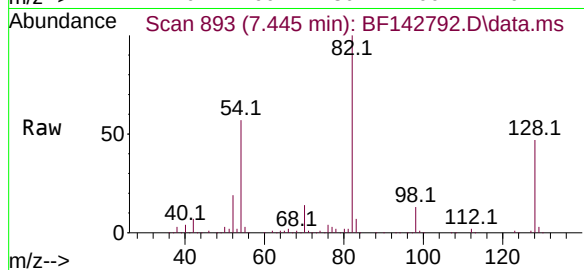
Tgt Ion: 82 Resp: 443431

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

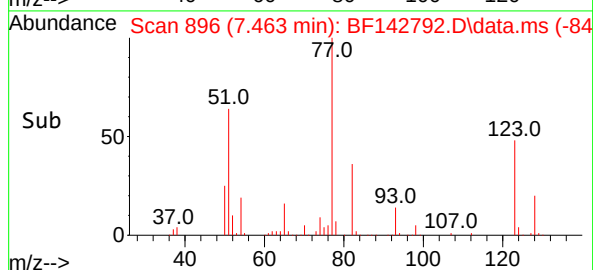
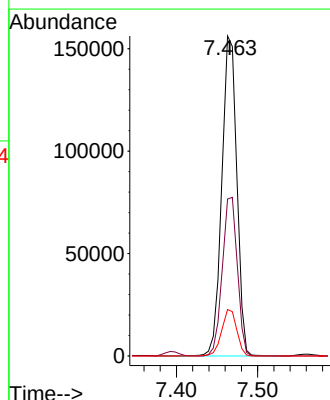
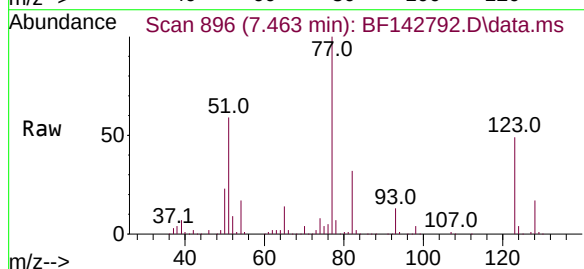
Tgt Ion: 77 Resp: 200051

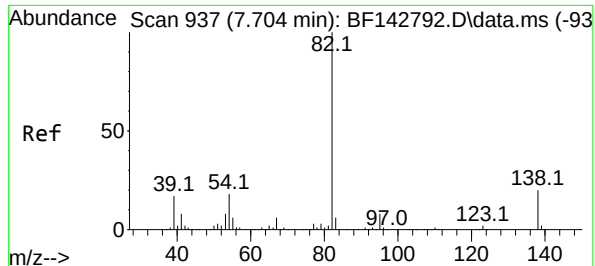
Ion Ratio Lower Upper

77 100

123 49.0 39.2 58.8

65 14.5 11.6 17.4

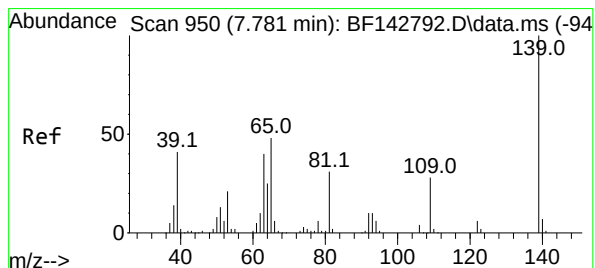
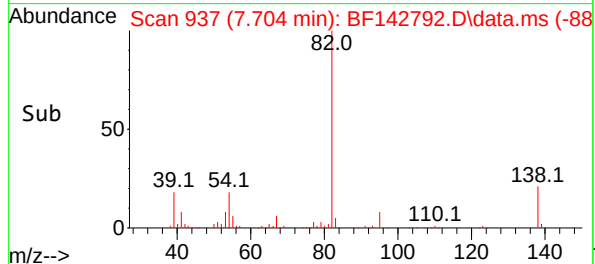
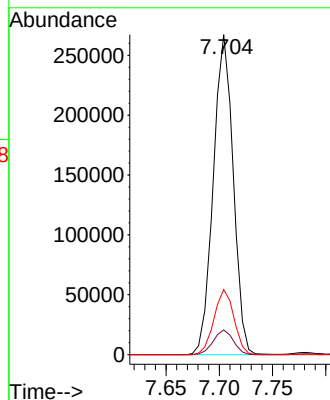
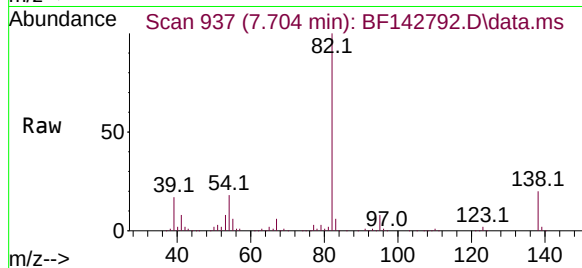




#25
Isophorone
Concen: 36.294 ng
RT: 7.704 min Scan# 937
Delta R.T. 0.000 min
Lab File: BF142792.D
Acq: 19 Jun 2025 19:09

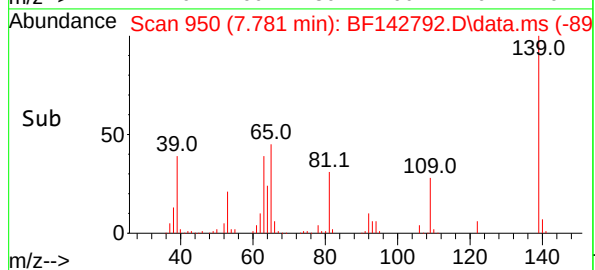
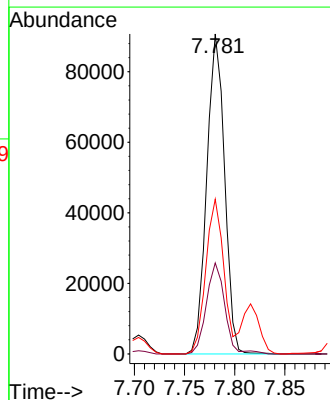
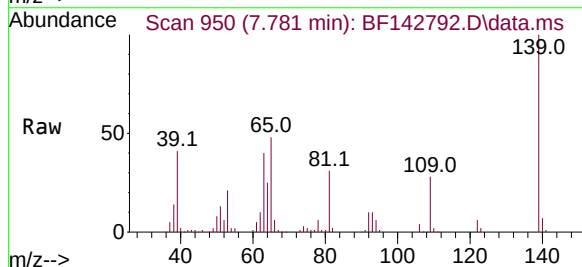
Instrument :
BNA_F
ClientSampleId :
SSTDICCC040

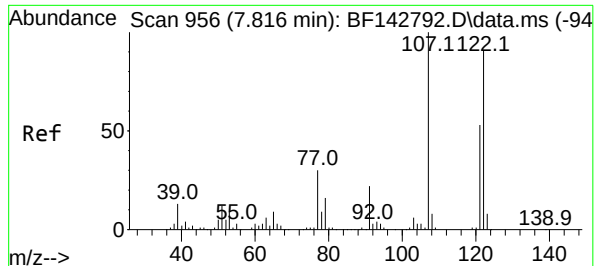
Tgt Ion:	82	Resp:	347894
Ion Ratio	Lower	Upper	
82	100		
95	7.7	6.2	9.2
138	20.3	16.2	24.4



#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

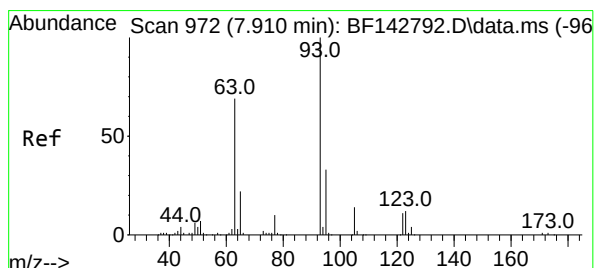
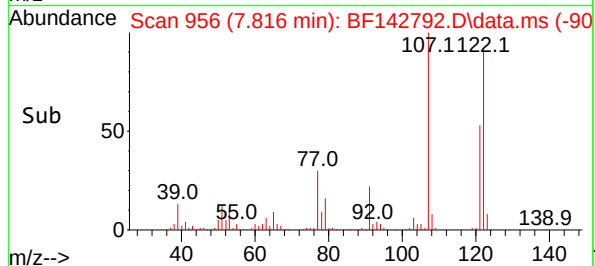
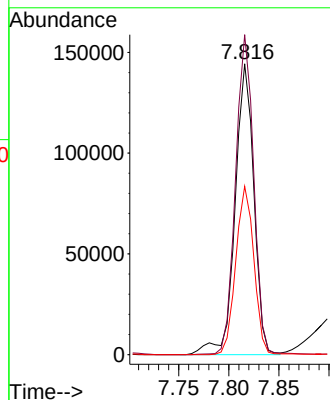
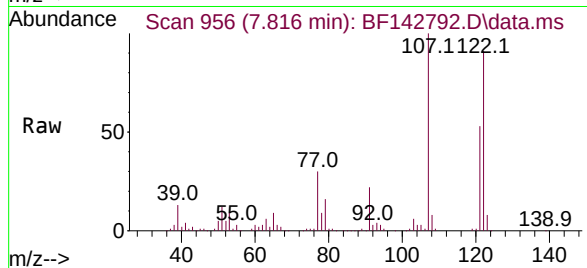
Tgt Ion:122 Resp: 187808

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

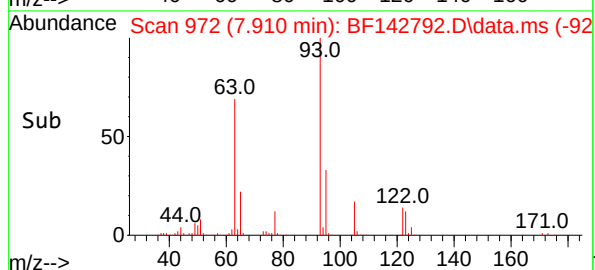
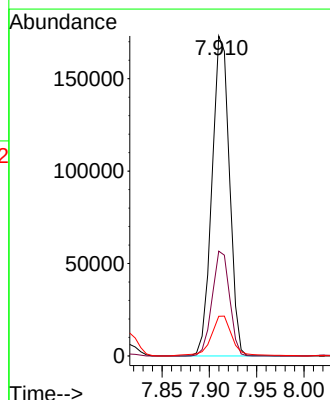
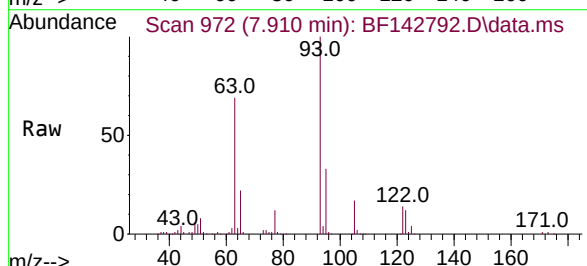
Tgt Ion: 93 Resp: 222264

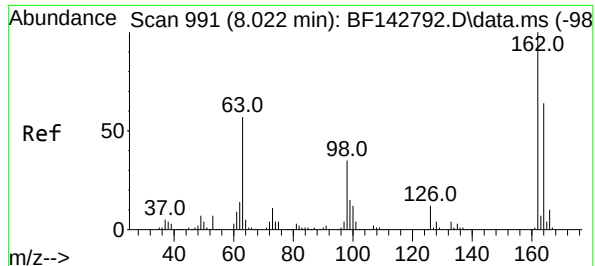
Ion Ratio Lower Upper

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

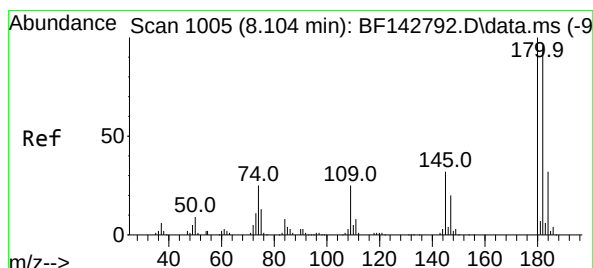
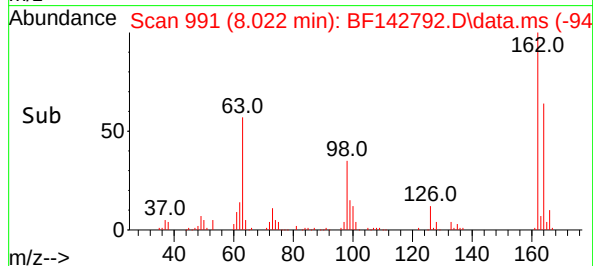
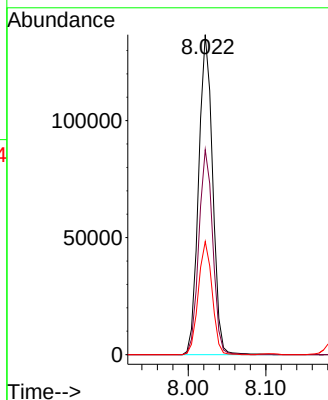
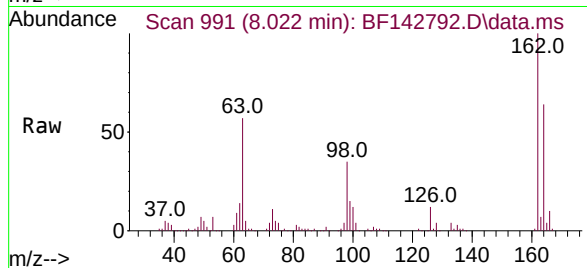
Tgt Ion:162 Resp: 171329

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

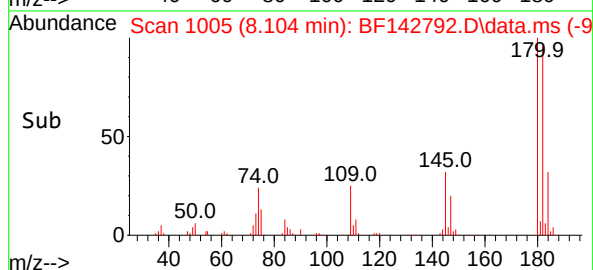
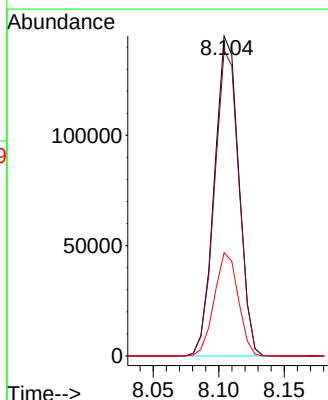
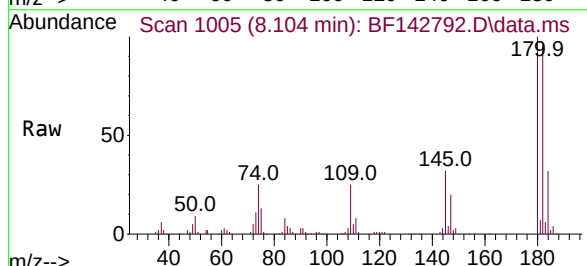
Tgt Ion:180 Resp: 187194

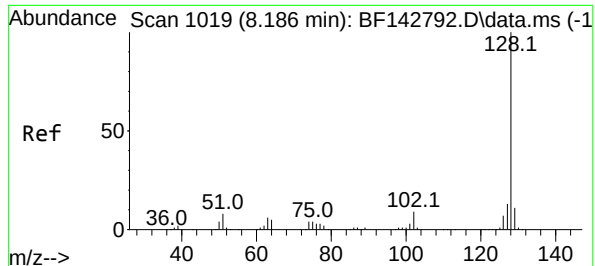
Ion Ratio Lower Upper

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

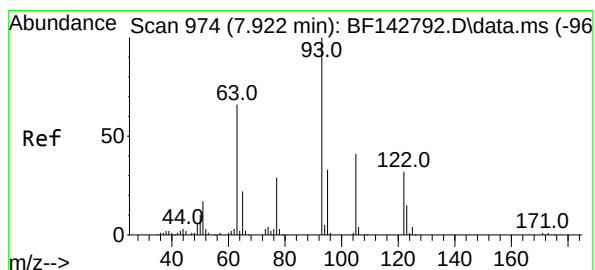
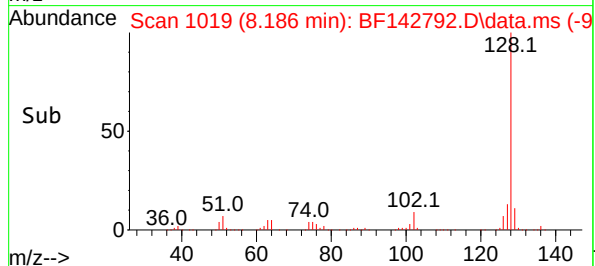
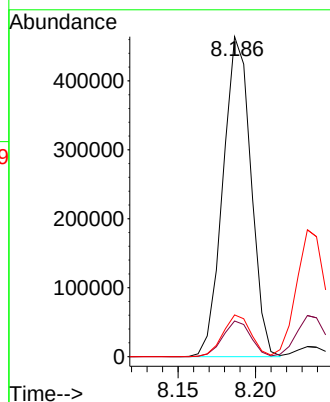
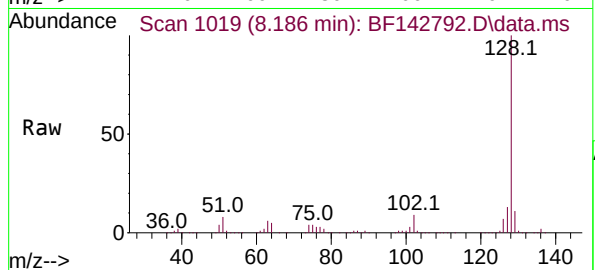
Tgt Ion:128 Resp: 584986

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

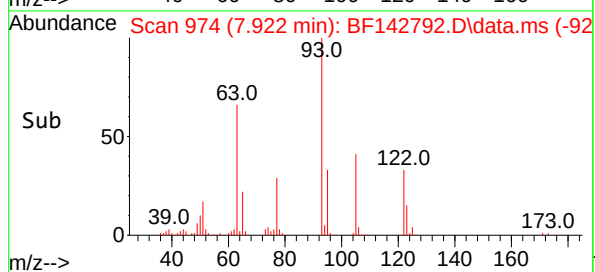
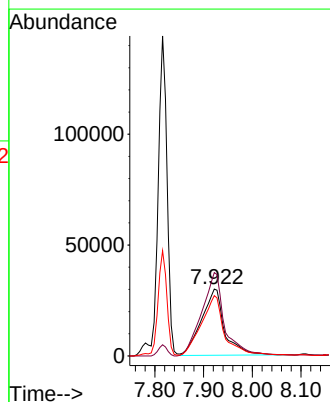
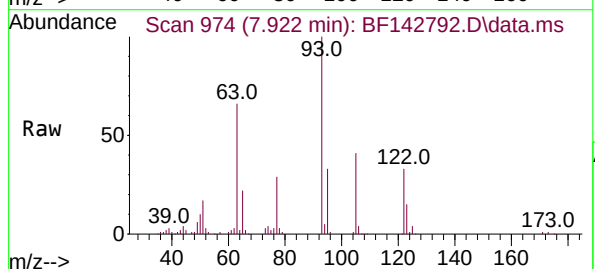
Tgt Ion:122 Resp: 98210

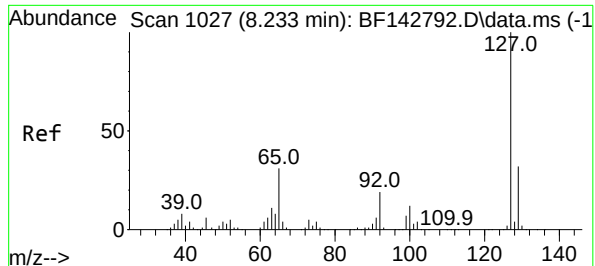
Ion Ratio Lower Upper

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

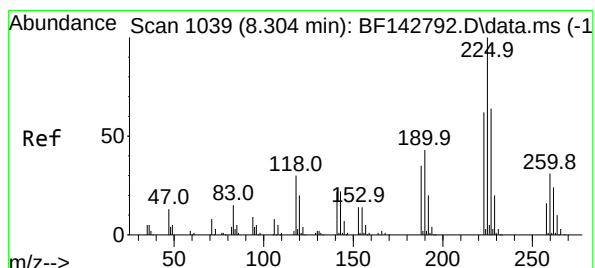
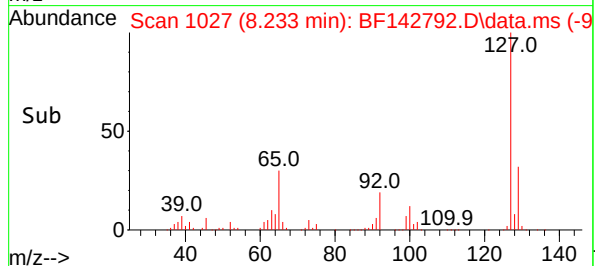
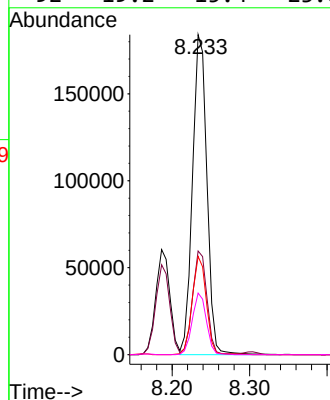
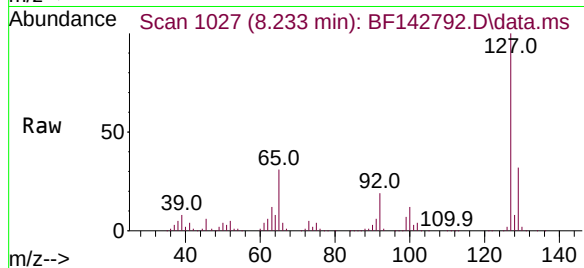
Ion Ratio Lower Upper

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

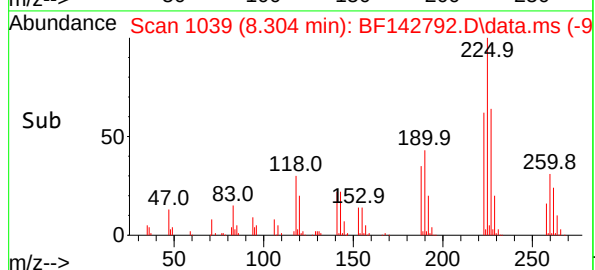
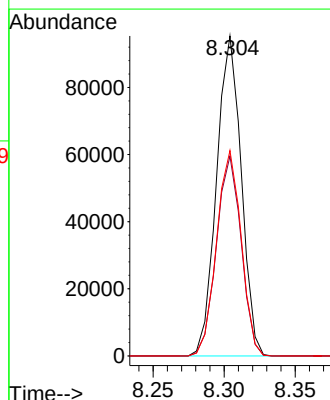
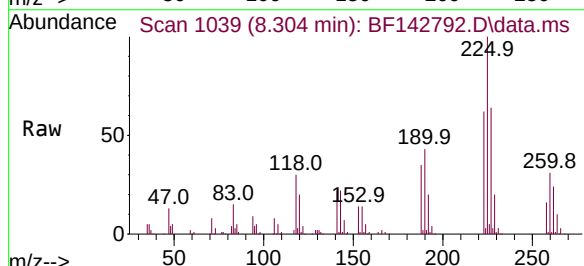
Tgt Ion:225 Resp: 115333

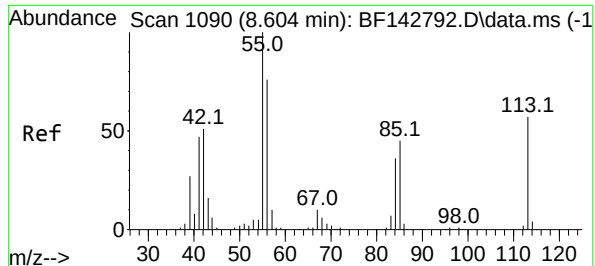
Ion Ratio Lower Upper

225 100

223 62.4 49.9 74.9

227 64.2 51.4 77.0

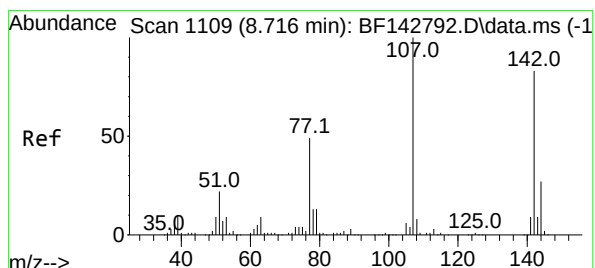
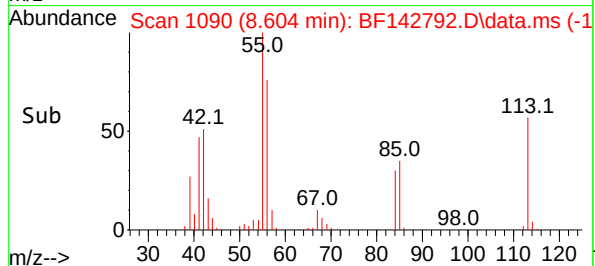
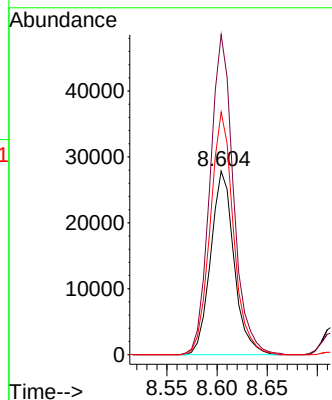
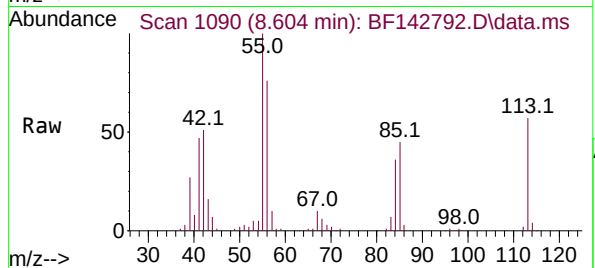




#35
Caprolactam
Concen: 37.583 ng
RT: 8.604 min Scan# 1090
Delta R.T. 0.000 min
Lab File: BF142792.D
Acq: 19 Jun 2025 19:09

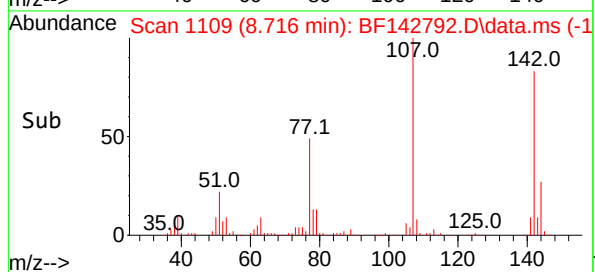
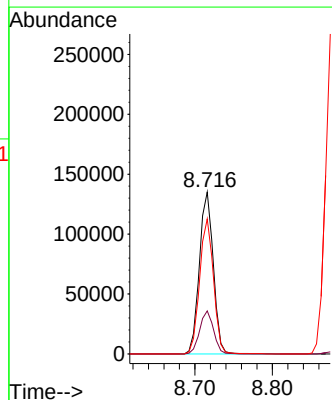
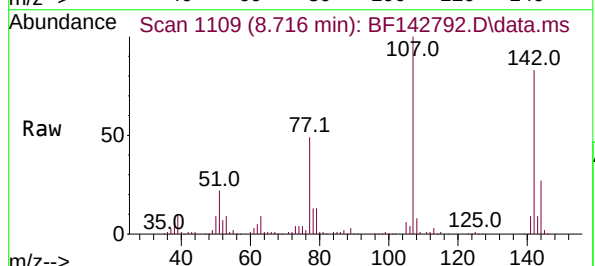
Instrument :
BNA_F
ClientSampleId :
SSTDICCC040

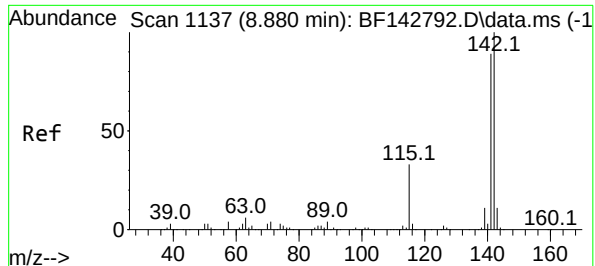
Tgt Ion:113 Resp: 44914
Ion Ratio Lower Upper
113 100
55 174.4 154.4 194.4
56 132.1 112.1 152.1



#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 :

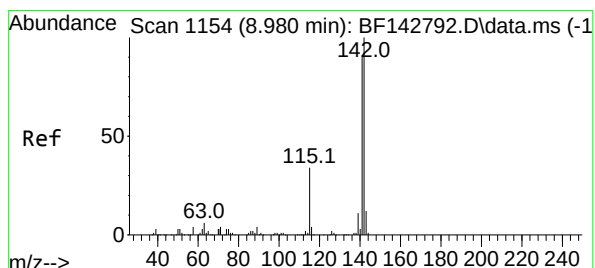
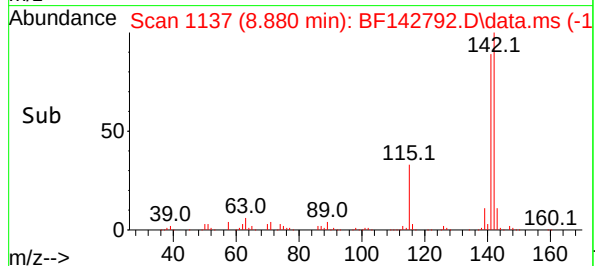
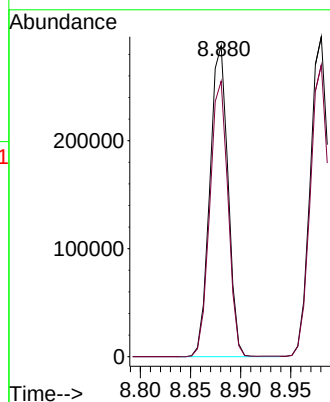
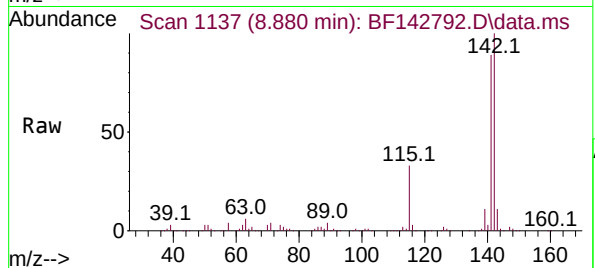
SSTDICCC040

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

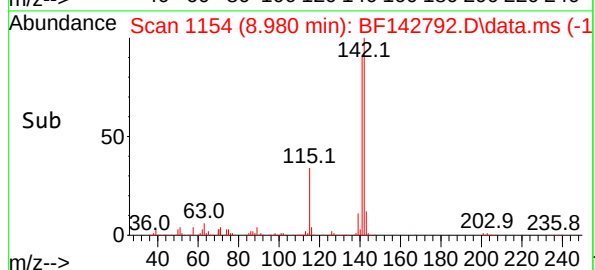
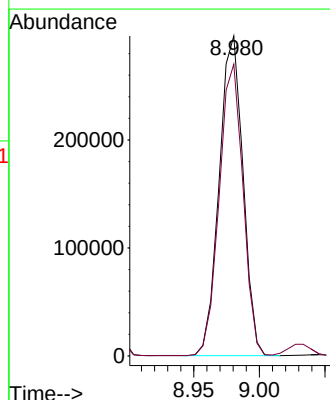
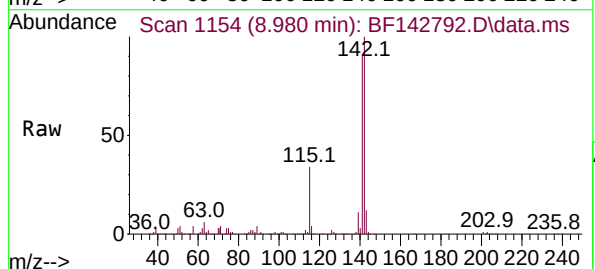
Acq: 19 Jun 2025 19:09

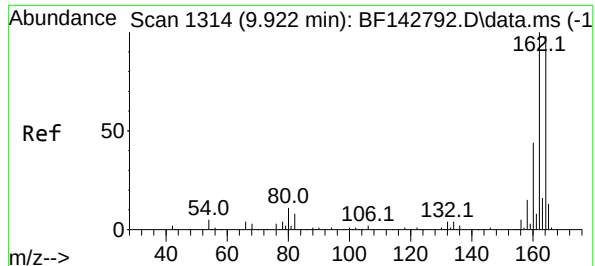
Tgt Ion:142 Resp: 374836

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

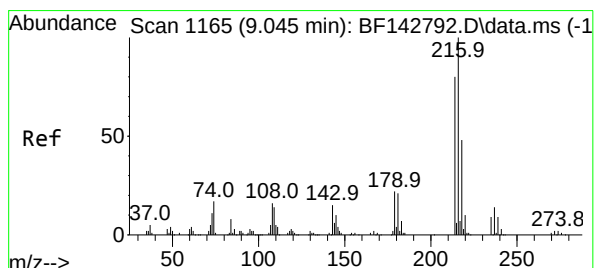
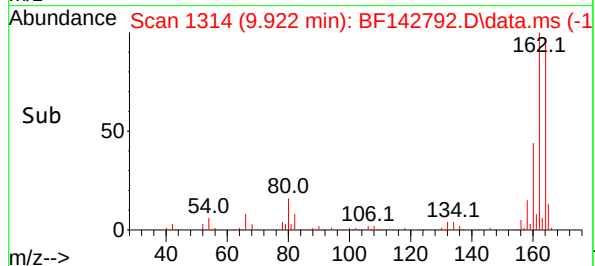
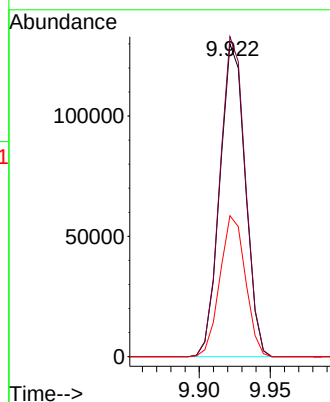
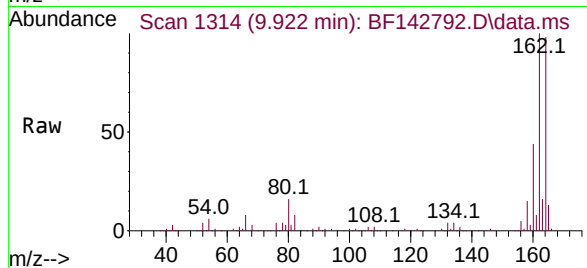
Tgt Ion:164 Resp: 161991

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

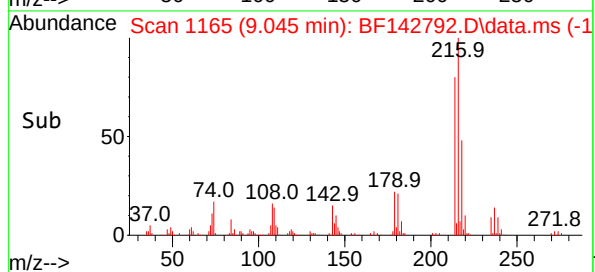
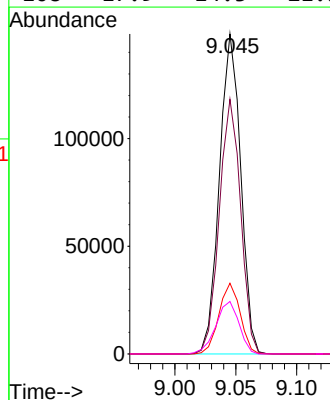
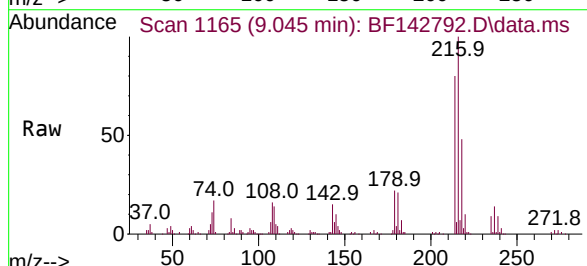
Ion	Ratio	Lower	Upper

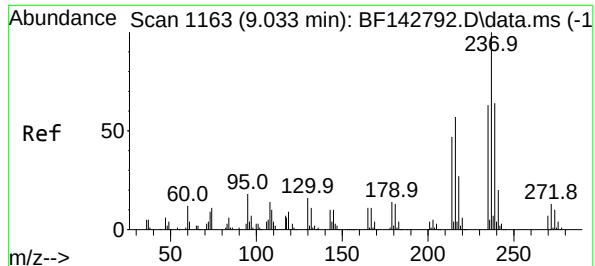
216	100		

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

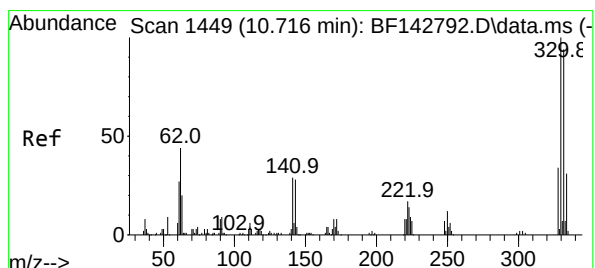
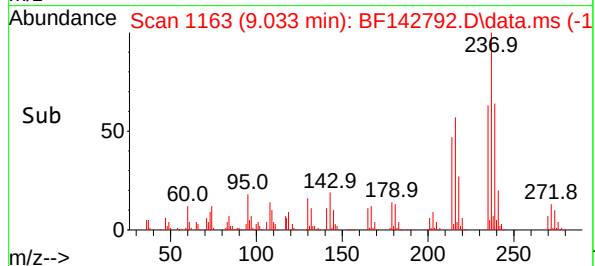
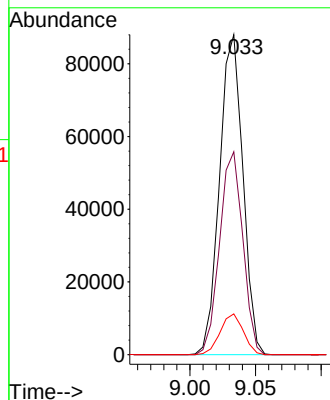
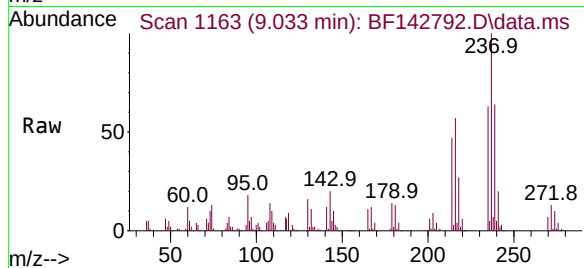
Tgt Ion:237 Resp: 108999

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

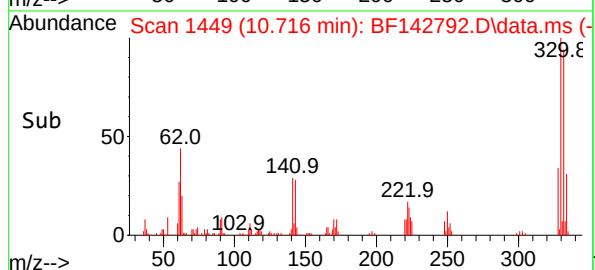
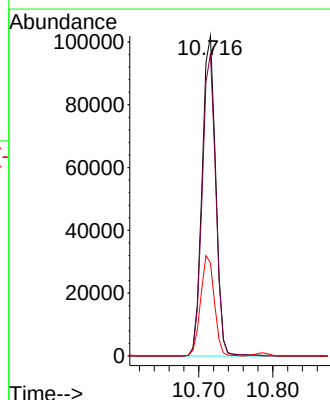
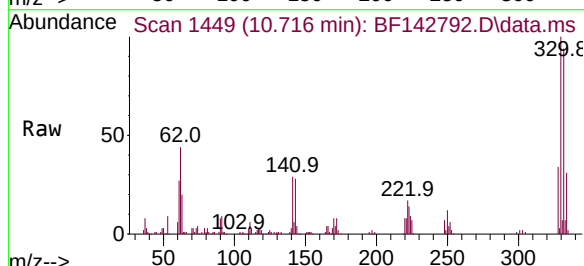
Tgt Ion:330 Resp: 129669

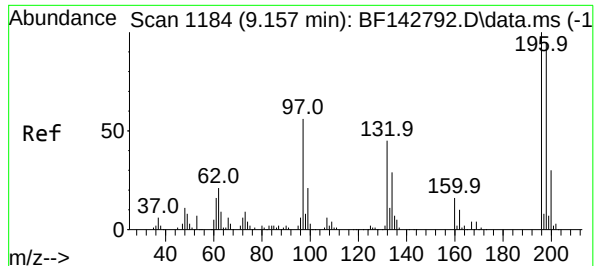
Ion Ratio Lower Upper

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

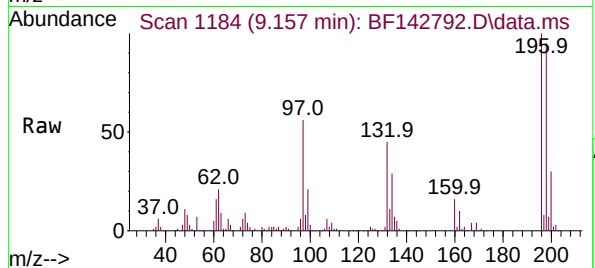
Acq: 19 Jun 2025 19:09

Instrument :

BNA_F

ClientSampleId :

SSTDICCC040



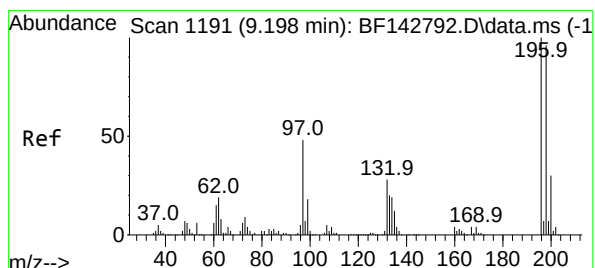
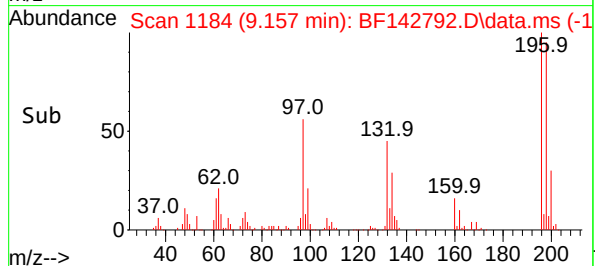
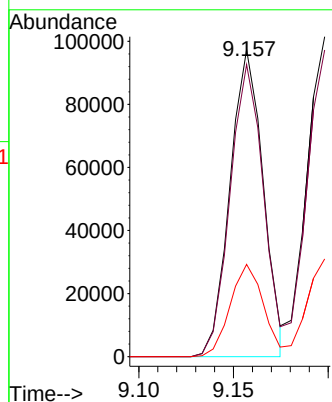
Tgt Ion:196 Resp: 118412

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

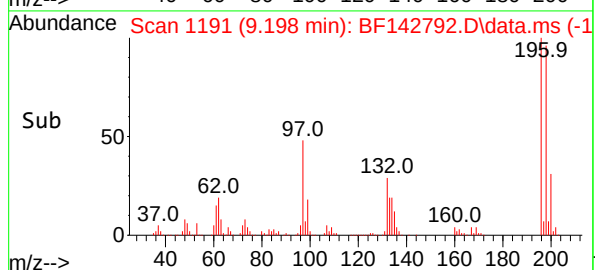
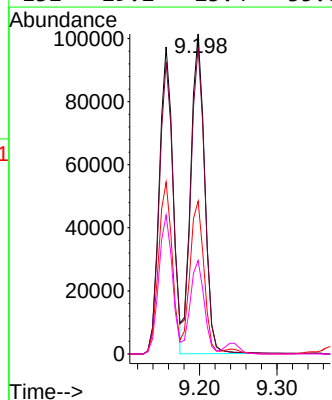
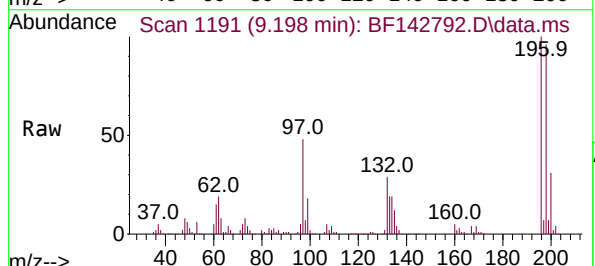
Ion Ratio Lower Upper

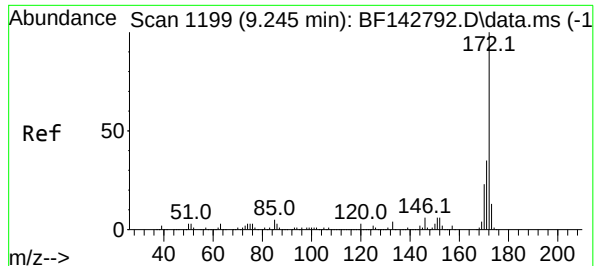
196 100

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

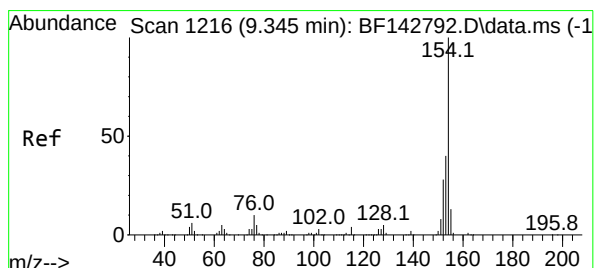
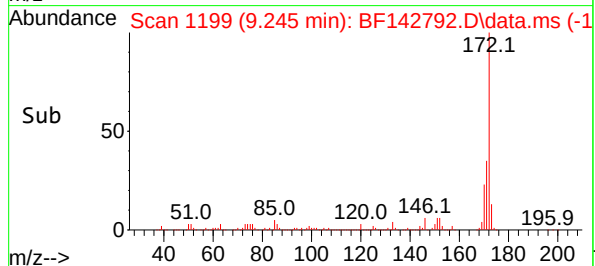
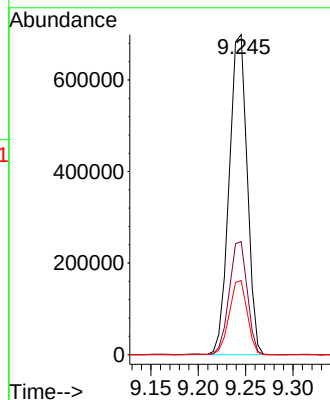
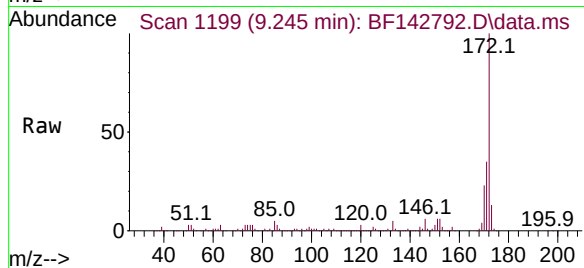
Tgt Ion:172 Resp: 926905

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

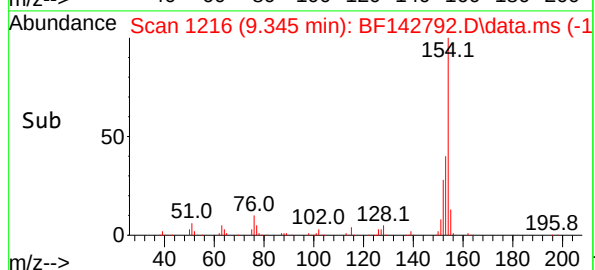
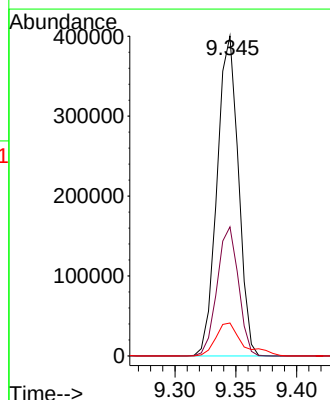
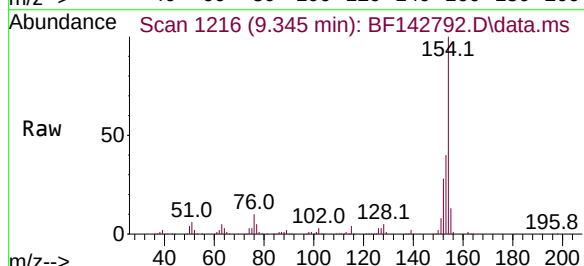
Tgt Ion:154 Resp: 487587

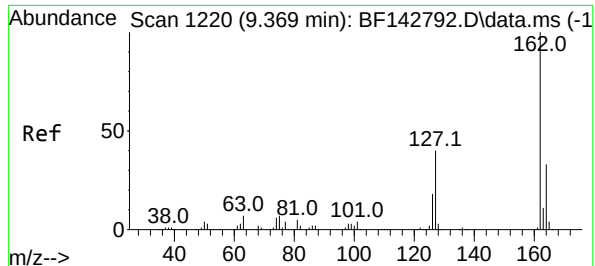
Ion Ratio Lower Upper

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

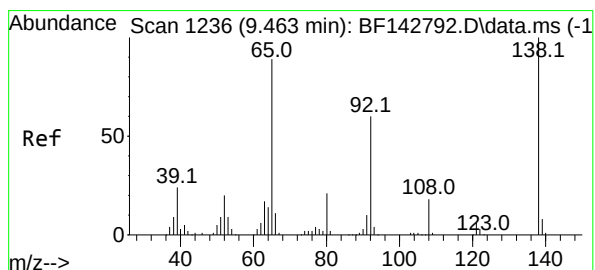
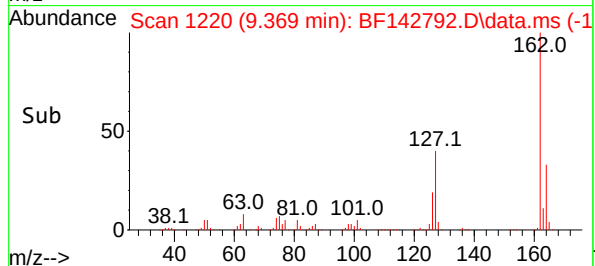
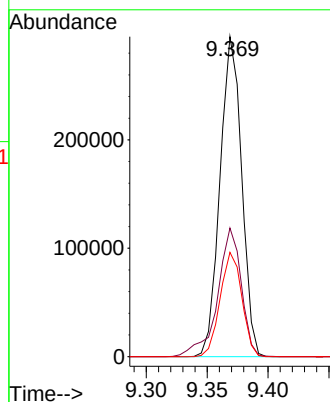
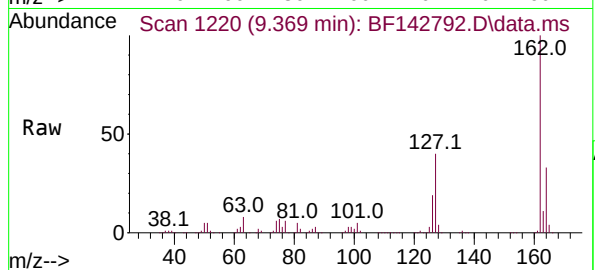
Tgt Ion:162 Resp: 365760

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

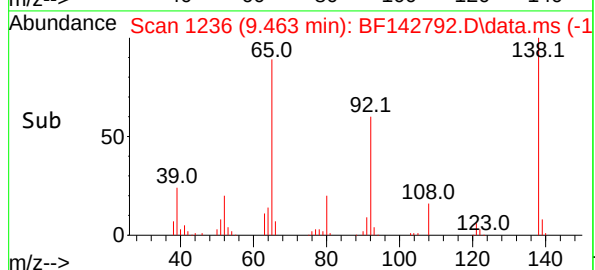
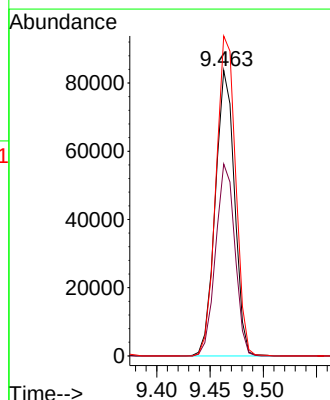
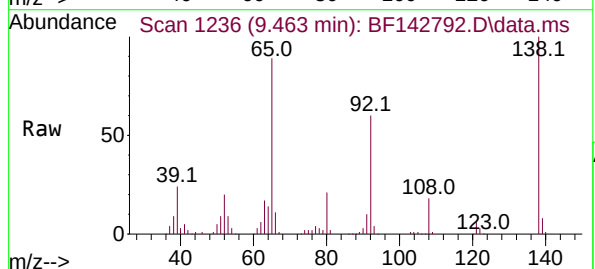
Tgt Ion: 65 Resp: 105098

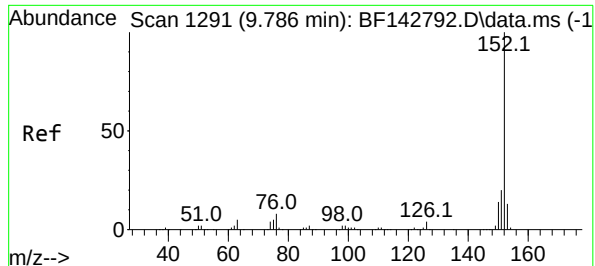
Ion Ratio Lower Upper

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 :

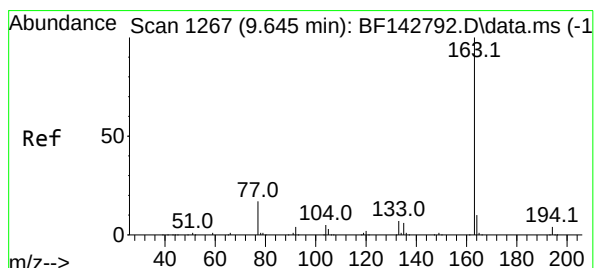
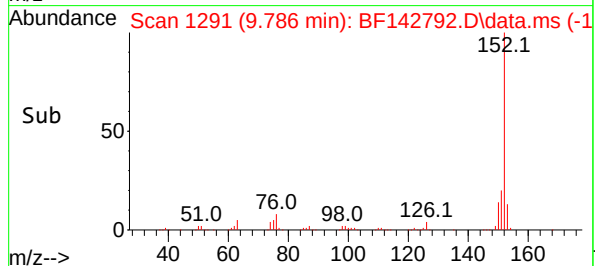
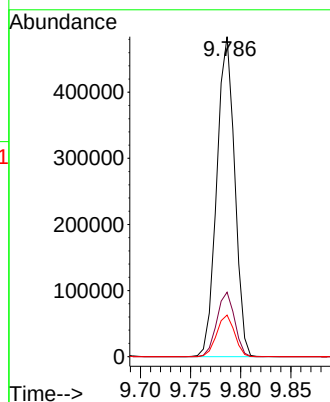
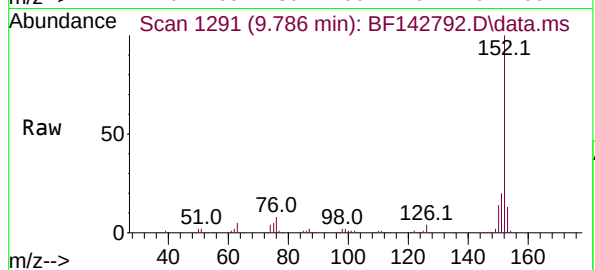
BNA_F

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

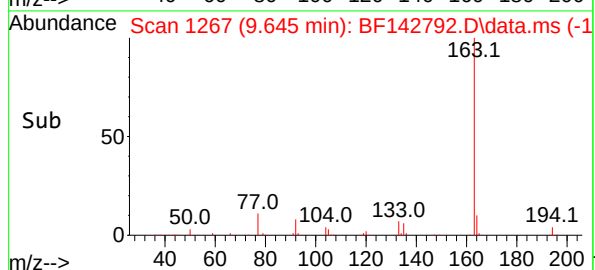
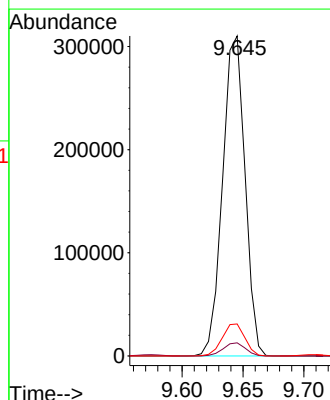
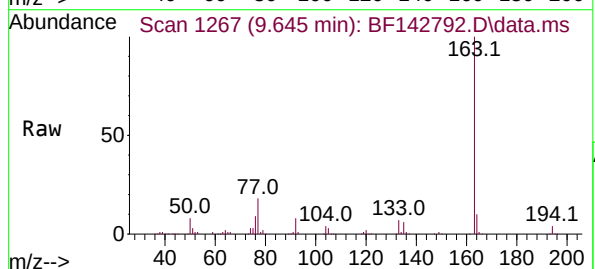
Delta R.T. 0.000 min

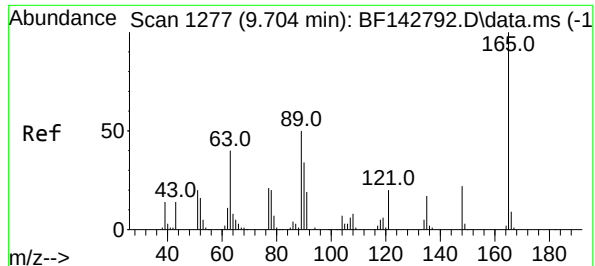
Lab File: BF142792.D

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

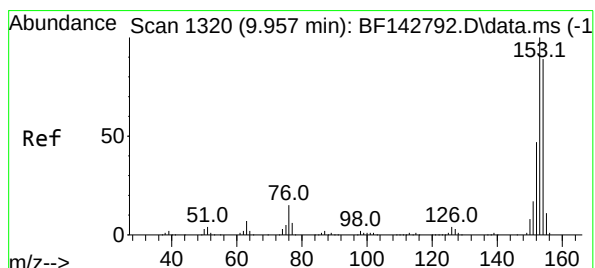
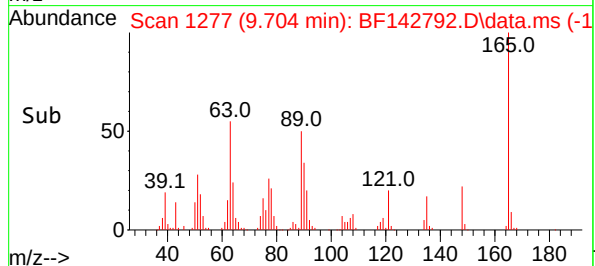
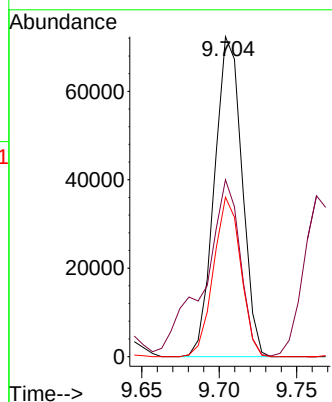
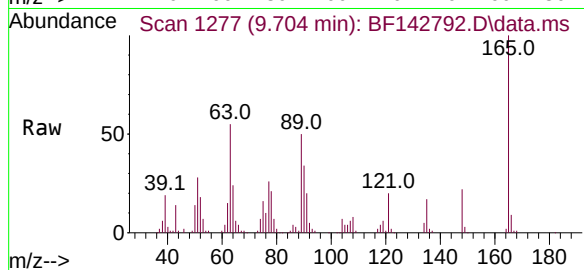
Tgt Ion:165 Resp: 89811

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

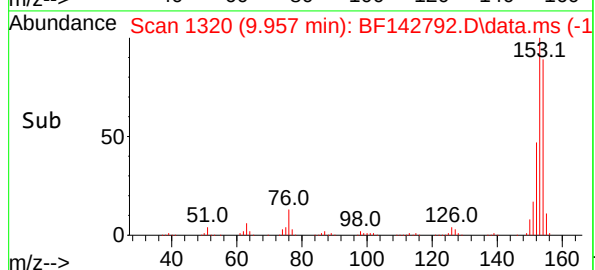
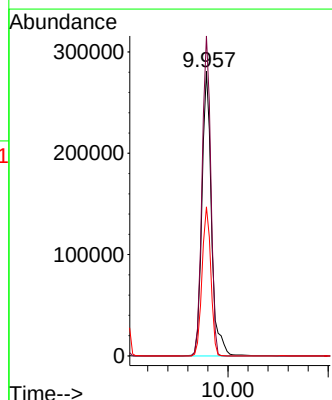
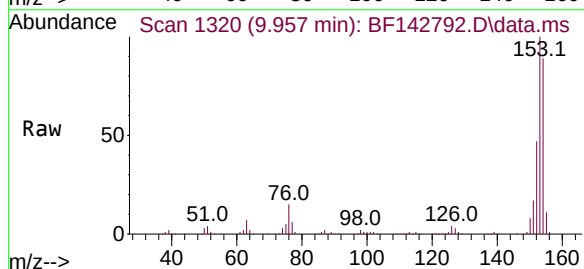
Tgt Ion:154 Resp: 369889

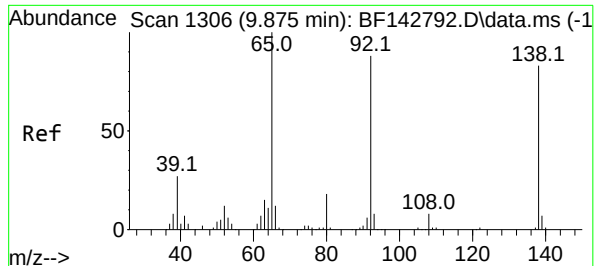
Ion Ratio Lower Upper

154 100

153 112.5 90.0 135.0

152 52.4 41.9 62.9

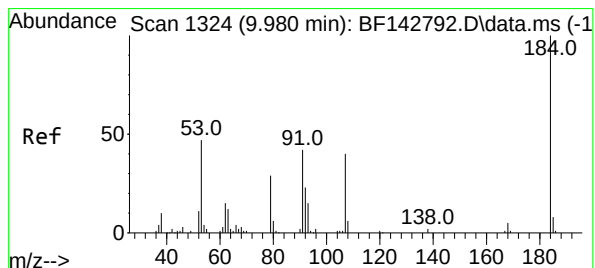
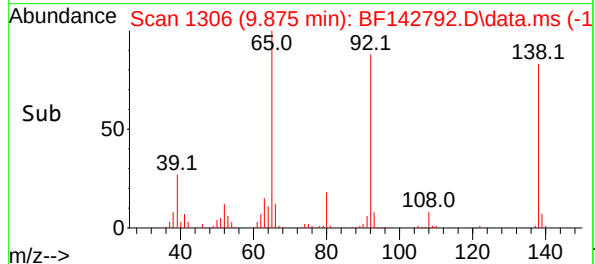
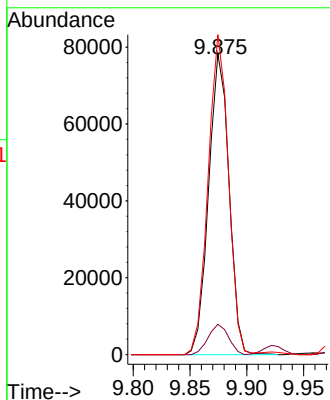
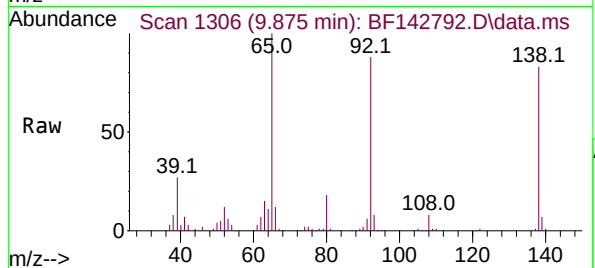




#53
3-Nitroaniline
Concen: 38.714 ng
RT: 9.875 min Scan# 1306
Delta R.T. 0.000 min
Lab File: BF142792.D
Acq: 19 Jun 2025 19:09

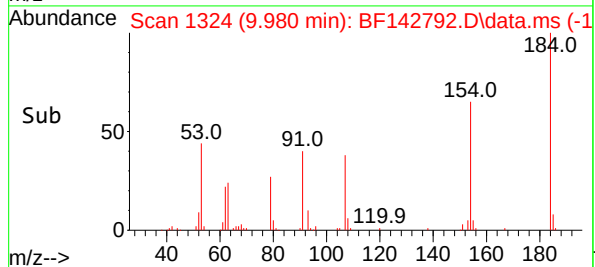
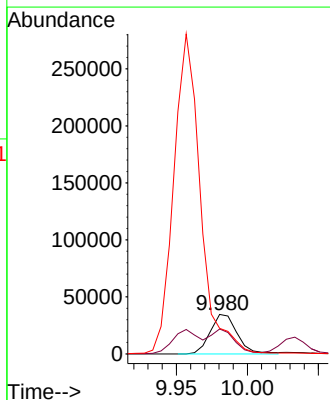
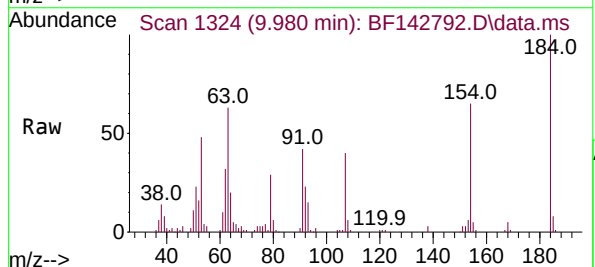
Instrument :
BNA_F
ClientSampleId :
SSTDICCC040

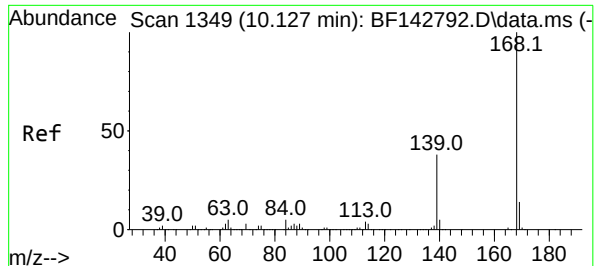
Tgt Ion	Ratio	Lower	Upper
138	100		
108	10.1	8.1	12.1
92	106.4	85.1	127.7



#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

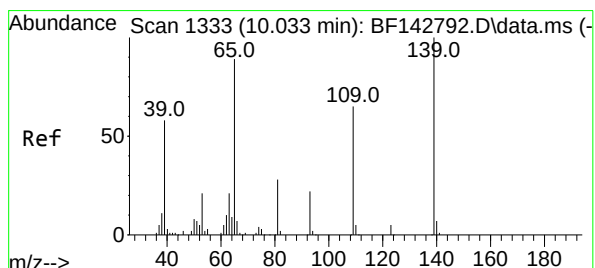
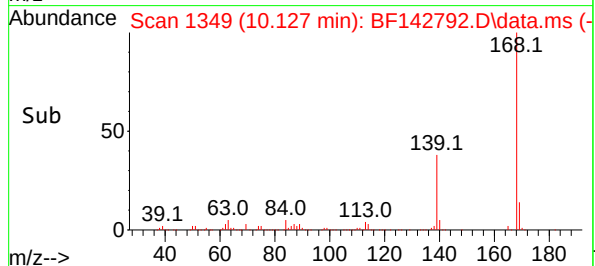
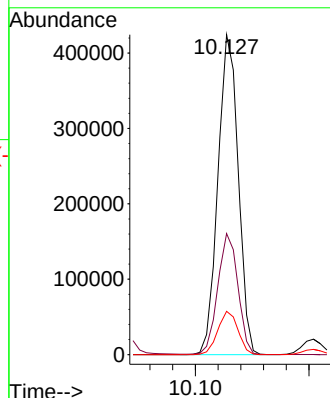
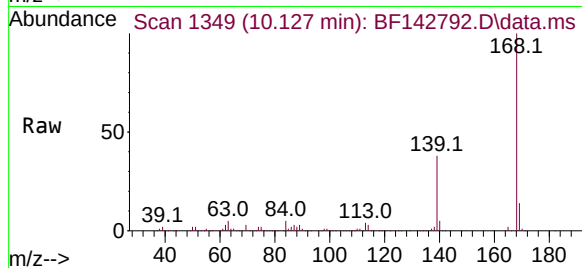
Tgt Ion:168 Resp: 526718

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

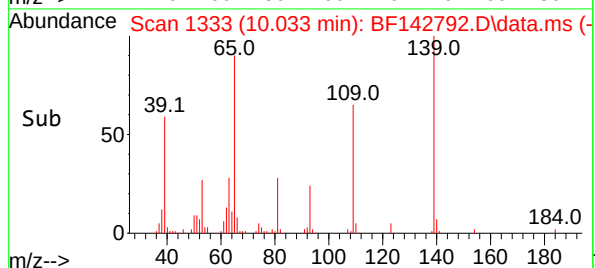
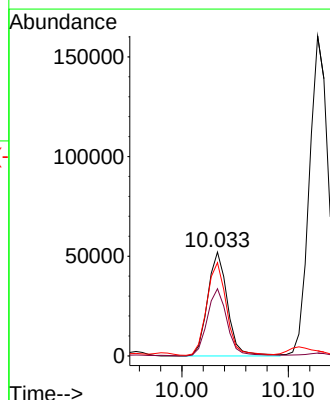
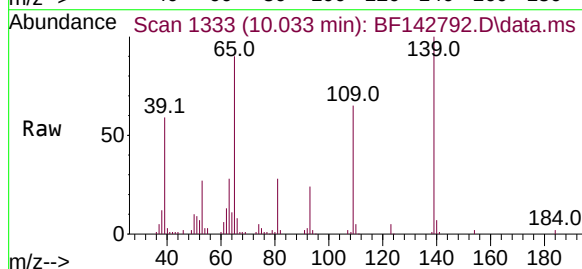
Tgt Ion:139 Resp: 67375

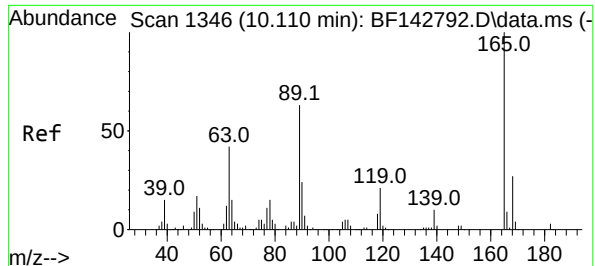
Ion Ratio Lower Upper

139 100

109 64.7 44.7 84.7

65 89.8 69.8 109.8

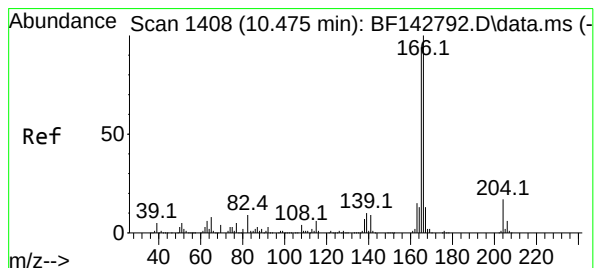
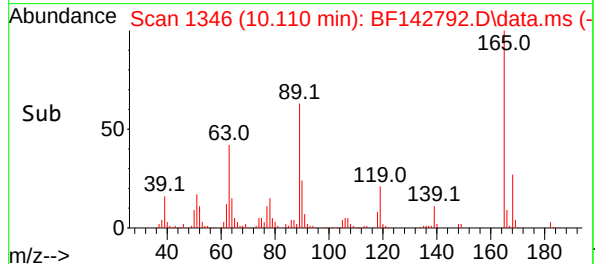
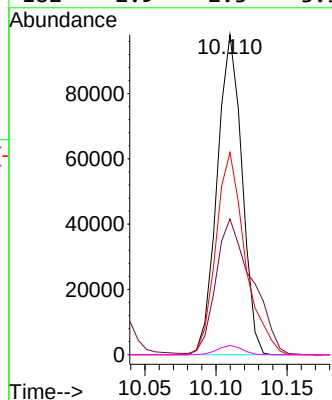
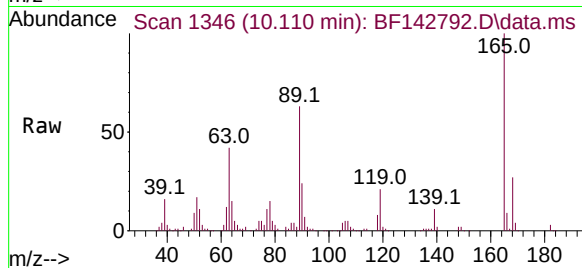




#57
2,4-Dinitrotoluene
Concen: 38.644 ng
RT: 10.110 min Scan# 1346
Delta R.T. 0.000 min
Lab File: BF142792.D
Acq: 19 Jun 2025 19:09

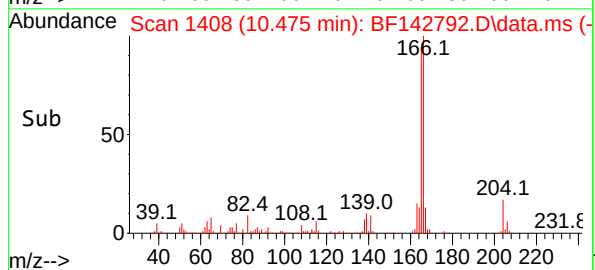
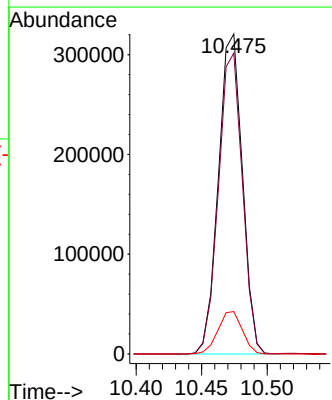
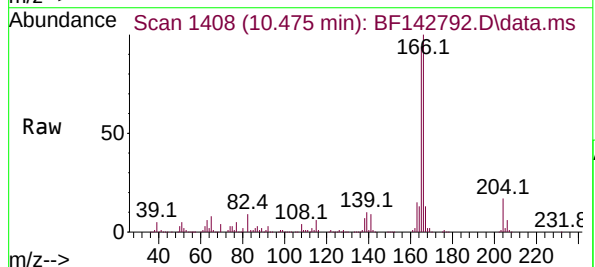
Instrument :
BNA_F
ClientSampleId :
SSTDICCC040

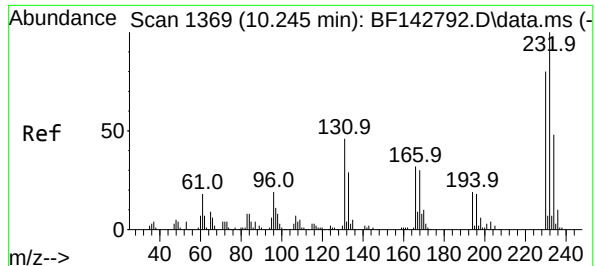
Tgt Ion:165 Resp: 119021
Ion Ratio Lower Upper
165 100
63 42.4 33.9 50.9
89 63.2 50.6 75.8
182 2.9 2.3 3.5



#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

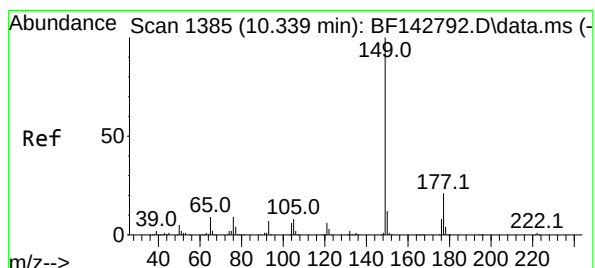
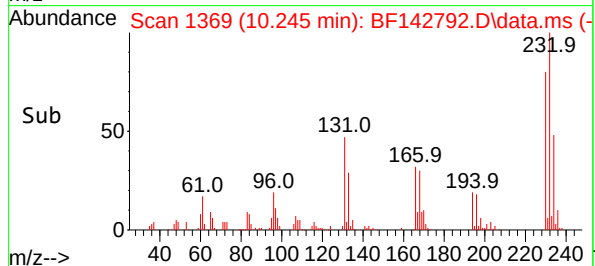
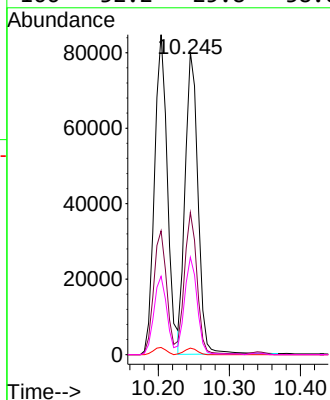
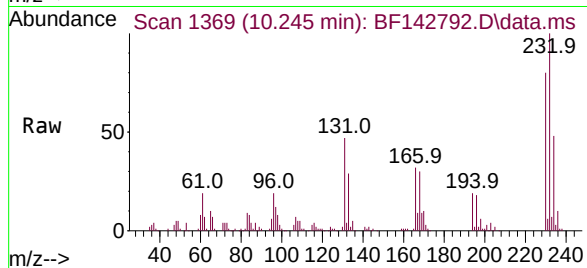




#59
2,3,4,6-Tetrachlorophenol
Concen: 36.847 ng
RT: 10.245 min Scan# 1369
Delta R.T. 0.000 min
Lab File: BF142792.D
Acq: 19 Jun 2025 19:09

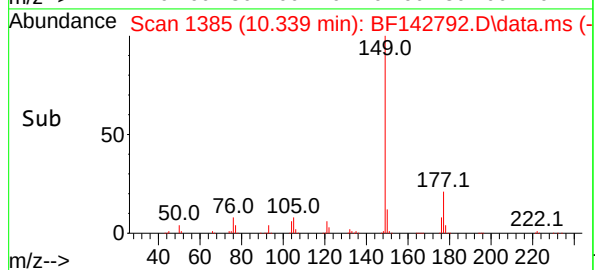
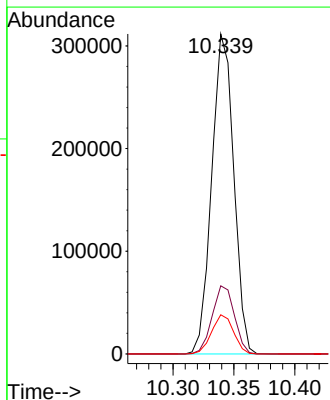
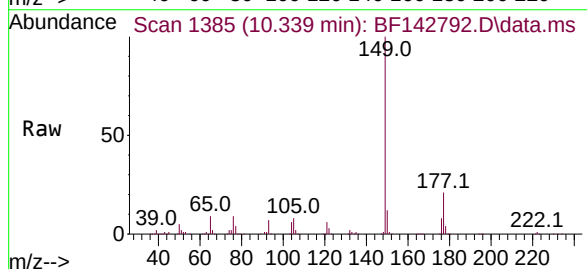
Instrument :
BNA_F
ClientSampleId :
SSTDICCC040

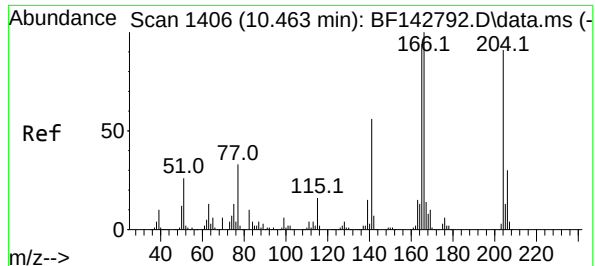
Tgt Ion:232 Resp: 100957
Ion Ratio Lower Upper
232 100
131 47.0 37.6 56.4
130 2.1 1.7 2.5
166 32.2 25.8 38.6



#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

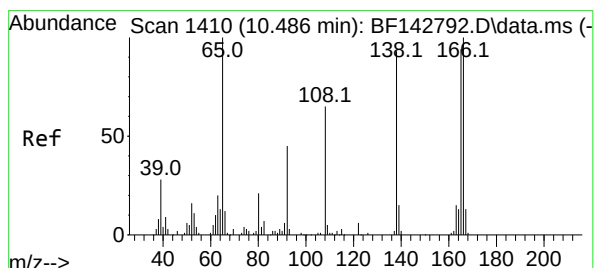
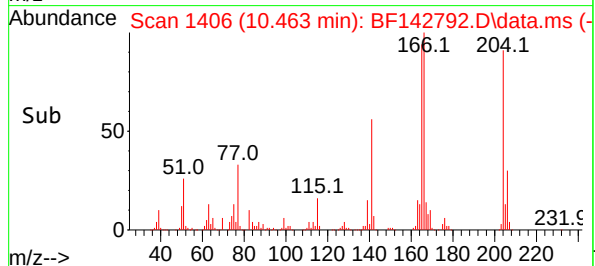
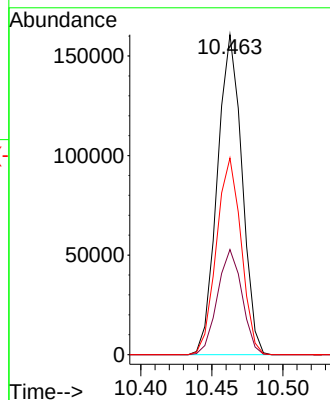
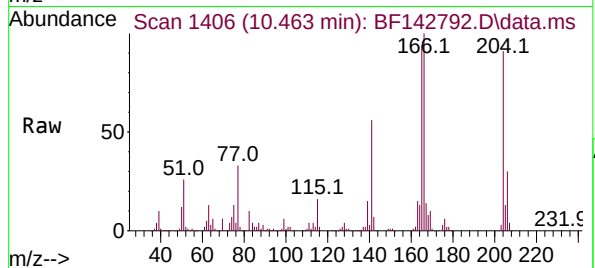




#61
4-Chlorophenyl-phenylether
Concen: 36.726 ng
RT: 10.463 min Scan# 1406
Delta R.T. 0.000 min
Lab File: BF142792.D
Acq: 19 Jun 2025 19:09

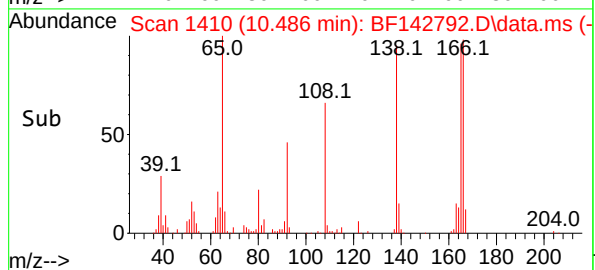
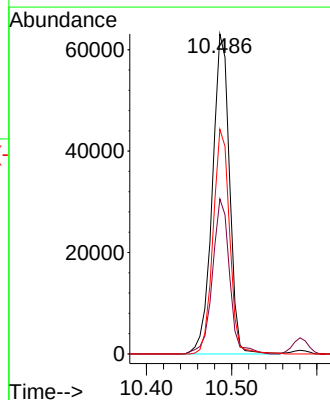
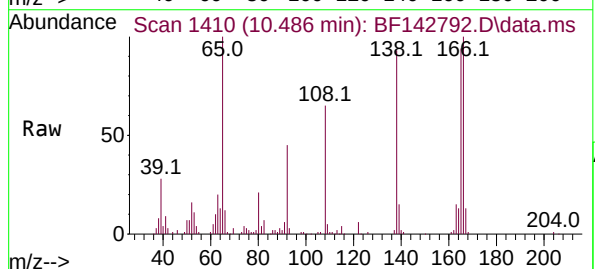
Instrument :
BNA_F
ClientSampleId :
SSTDICCC040

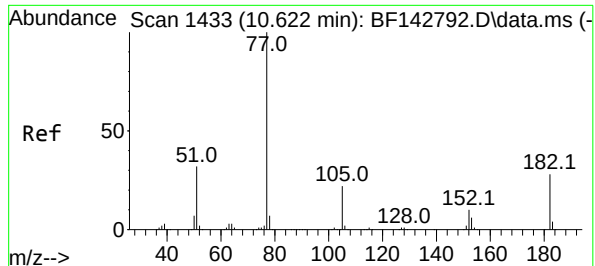
Tgt Ion:204 Resp: 193928
Ion Ratio Lower Upper
204 100
206 32.9 26.3 39.5
141 61.4 49.1 73.7



#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

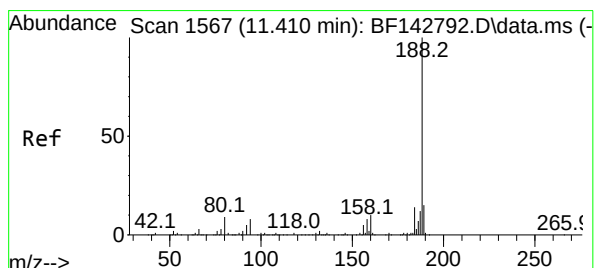
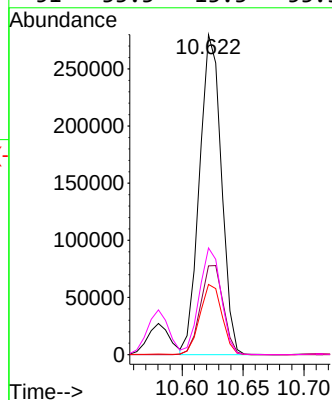
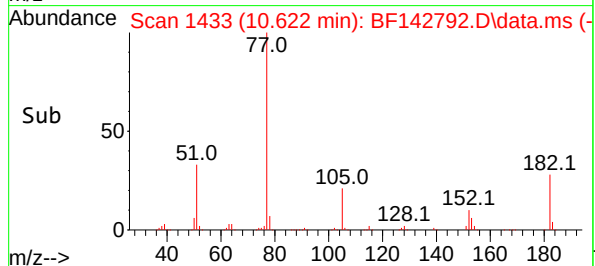
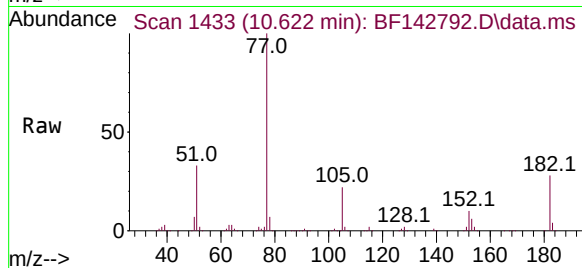




#63
Azobenzene
Concen: 37.534 ng
RT: 10.622 min Scan# 1433
Delta R.T. 0.000 min
Lab File: BF142792.D
Acq: 19 Jun 2025 19:09

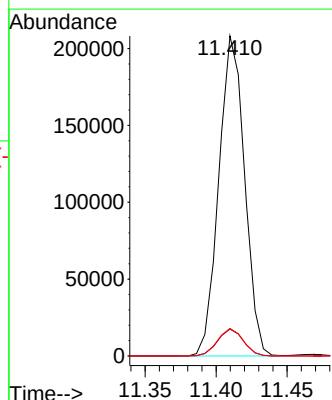
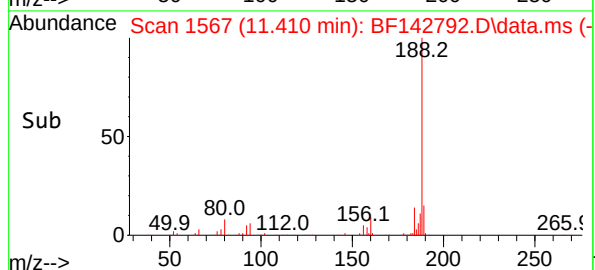
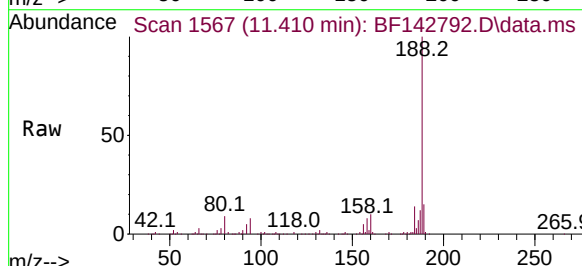
Instrument :
BNA_F
ClientSampleId :
SSTDICCC040

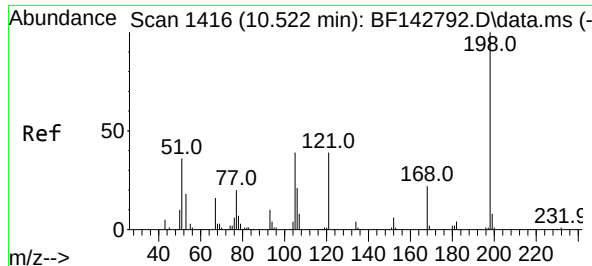
Tgt Ion:	77	Resp:	350110
Ion	Ratio	Lower	Upper
77	100		
182	27.7	7.7	47.7
105	21.9	1.9	41.9
51	33.3	13.3	53.3



#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:	188	Resp:	263346
Ion	Ratio	Lower	Upper
188	100		
94	8.4	6.7	10.1
80	8.6	6.9	10.3

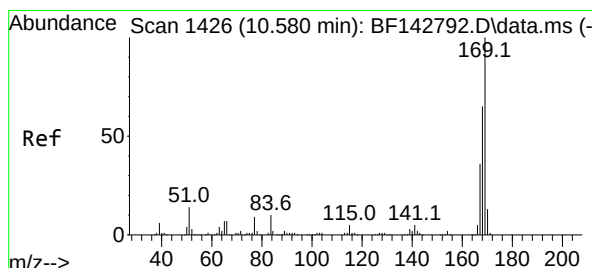
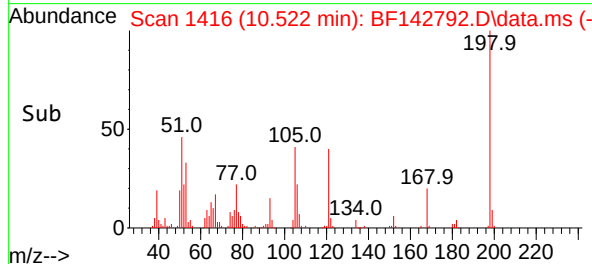
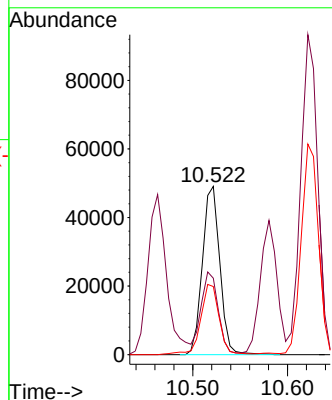
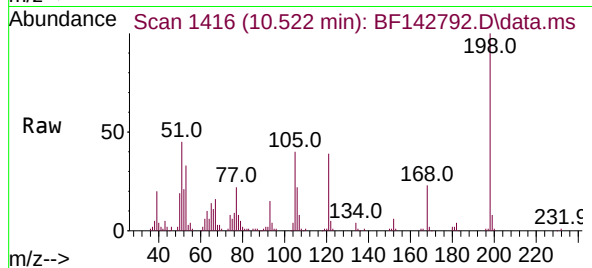




#65
4,6-Dinitro-2-methylphenol
Concen: 38.375 ng
RT: 10.522 min Scan# 1416
Delta R.T. 0.000 min
Lab File: BF142792.D
Acq: 19 Jun 2025 19:09

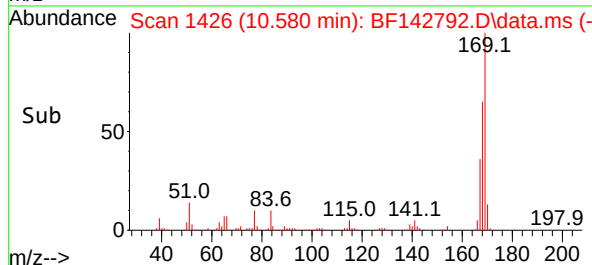
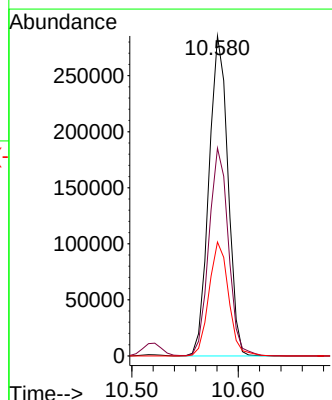
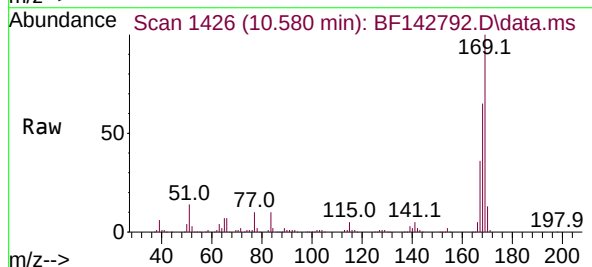
Instrument :
BNA_F
ClientSampleId :
SSTDICCC040

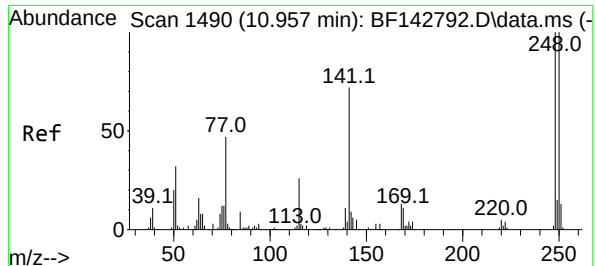
Tgt Ion	Ratio	Lower	Upper
198	100		
51	45.4	25.4	65.4
105	40.4	20.4	60.4



#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

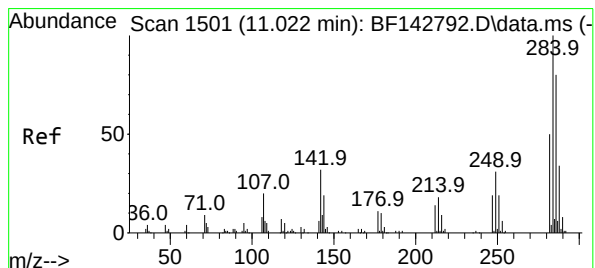
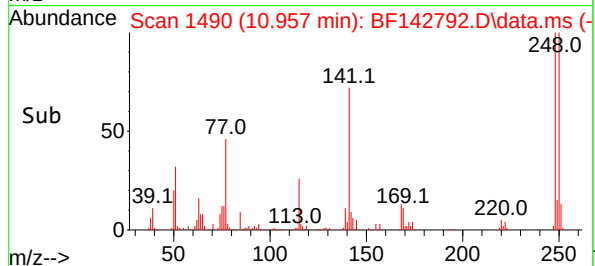
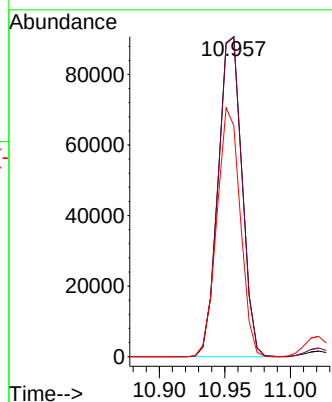
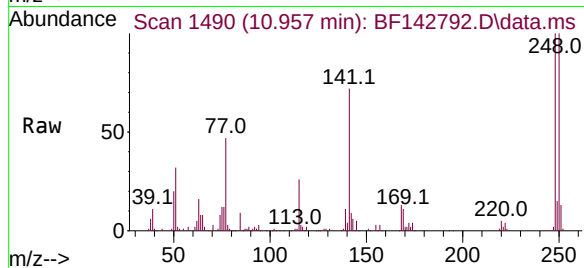




#67
4-Bromophenyl-phenylether
Concen: 37.246 ng
RT: 10.957 min Scan# 1490
Delta R.T. 0.000 min
Lab File: BF142792.D
Acq: 19 Jun 2025 19:09

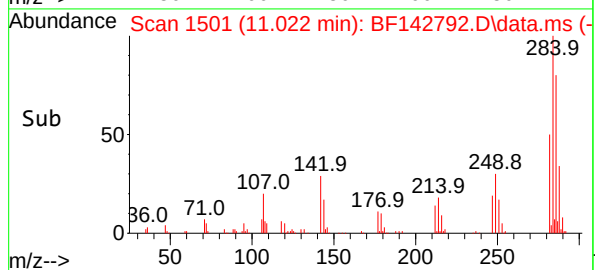
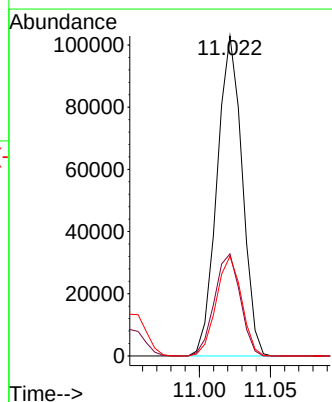
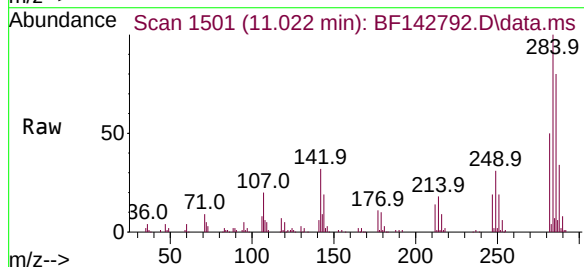
Instrument :
BNA_F
ClientSampleId :
SSTDICCC040

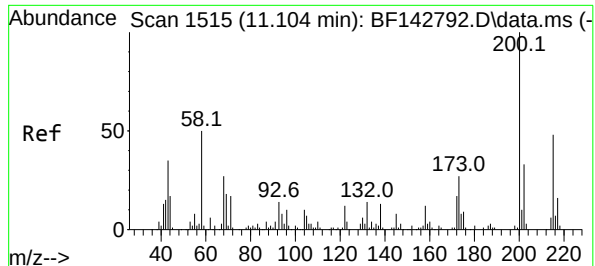
Tgt Ion:248 Resp: 114874
Ion Ratio Lower Upper
248 100
250 99.8 79.8 119.8
141 72.2 57.8 86.6



#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

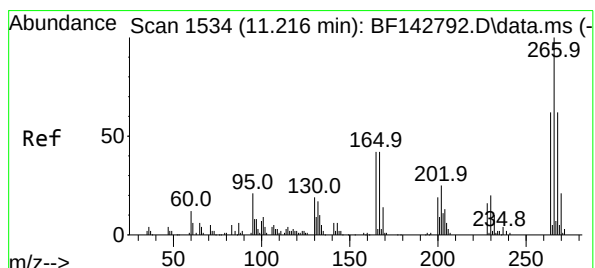
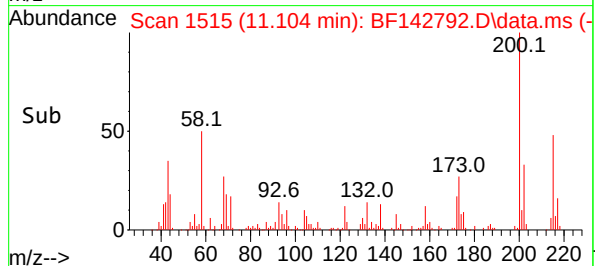
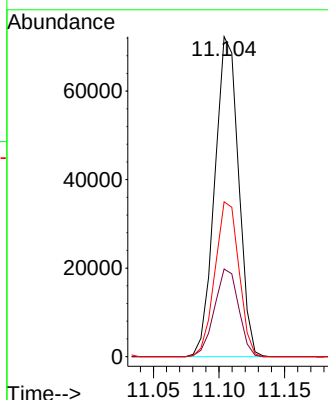
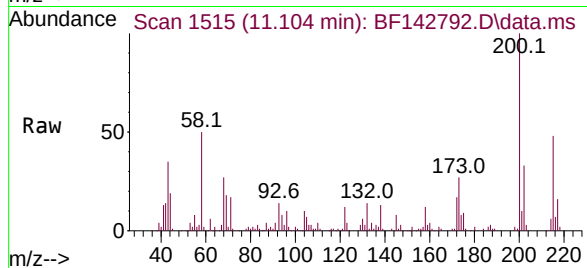
Tgt Ion:200 Resp: 91444

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

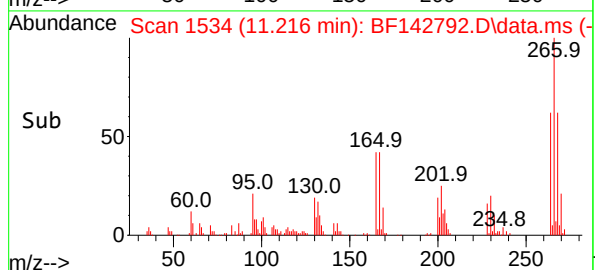
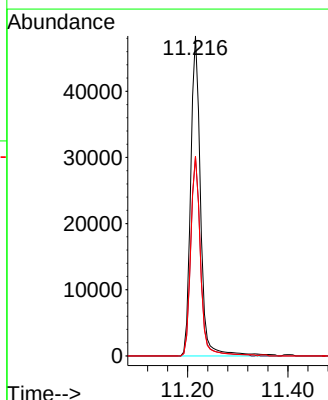
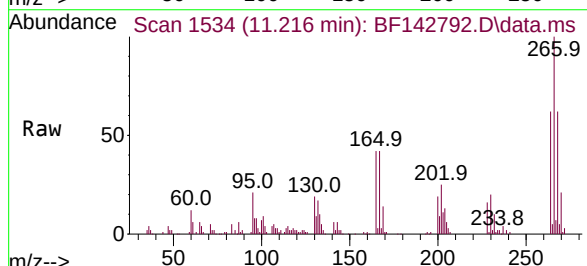
Tgt Ion:266 Resp: 65999

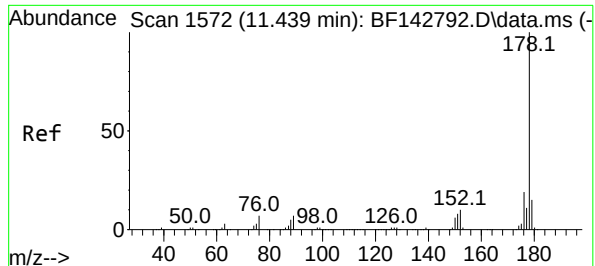
Ion Ratio Lower Upper

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

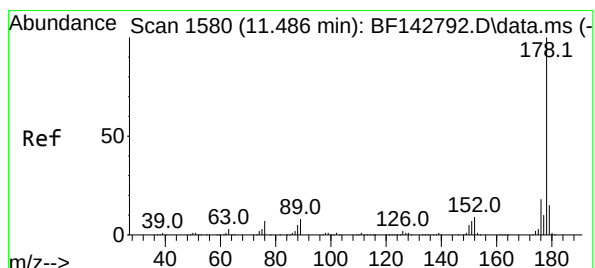
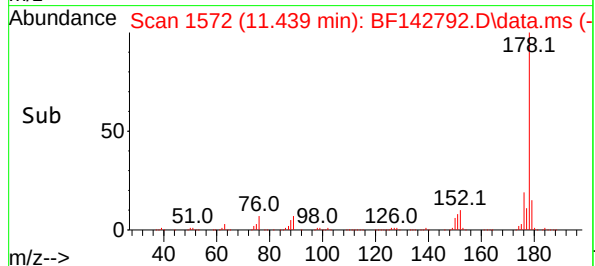
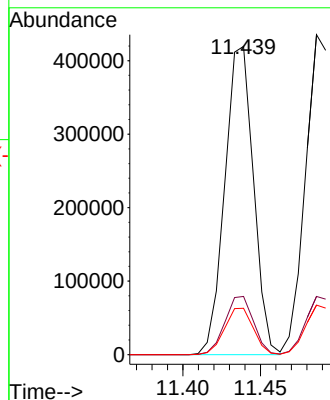
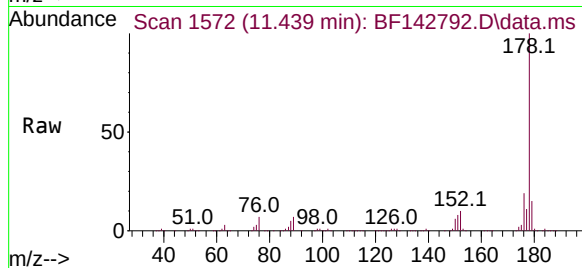
Tgt Ion:178 Resp: 542935

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

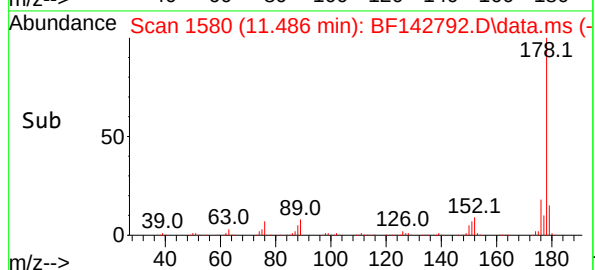
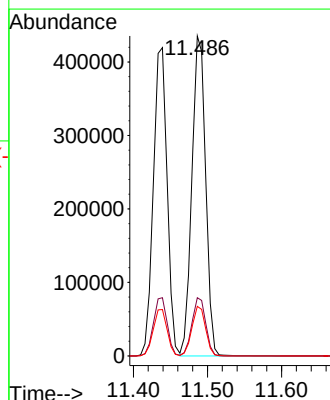
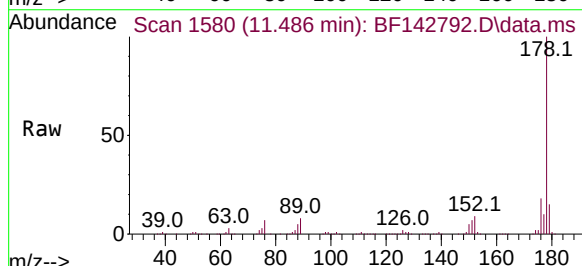
Tgt Ion:178 Resp: 560180

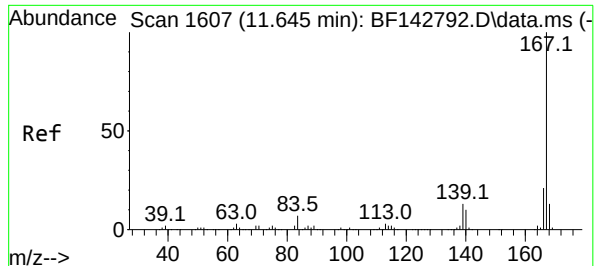
Ion Ratio Lower Upper

178 100

176 18.2 14.6 21.8

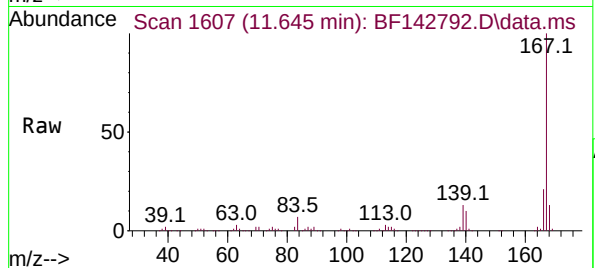
179 15.5 12.4 18.6



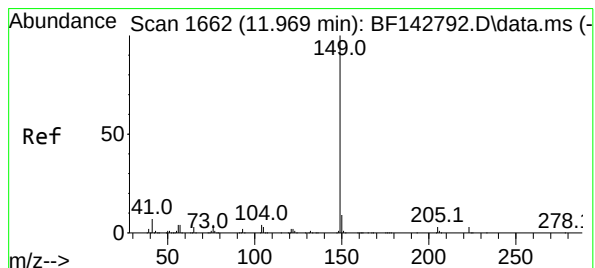
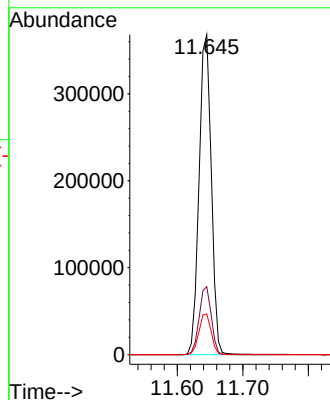
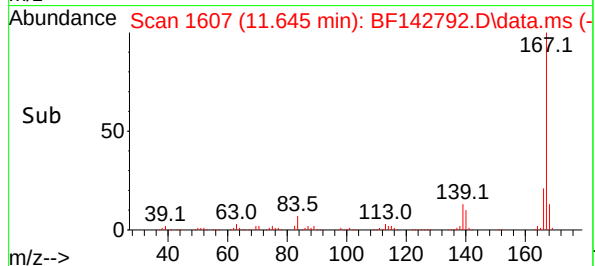


#73
Carbazole
Concen: 38.769 ng
RT: 11.645 min Scan# 1607
Delta R.T. 0.000 min
Lab File: BF142792.D
Acq: 19 Jun 2025 19:09

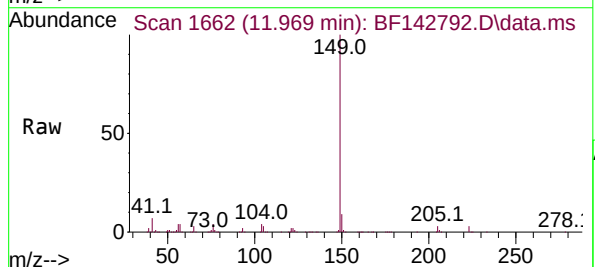
Instrument :
BNA_F
ClientSampleId :
SSTDICCC040



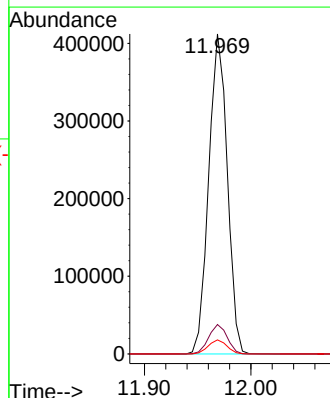
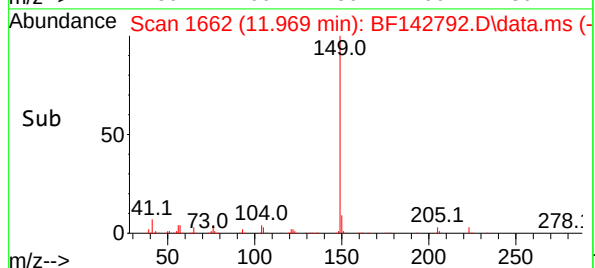
Tgt Ion:167 Resp: 473801
Ion Ratio Lower Upper
167 100
166 21.2 17.0 25.4
139 12.7 10.2 15.2

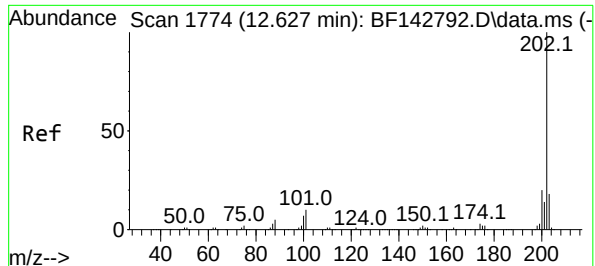


#74
Di-n-butylphthalate
Concen: 36.824 ng
RT: 11.969 min Scan# 1662
Delta R.T. 0.000 min
Lab File: BF142792.D
Acq: 19 Jun 2025 19:09



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

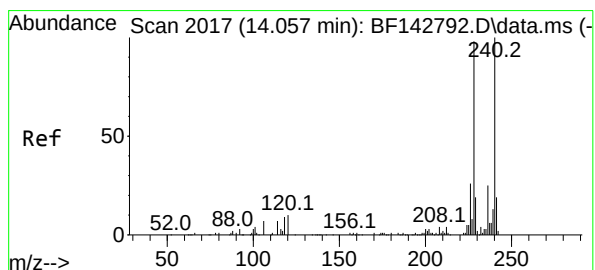
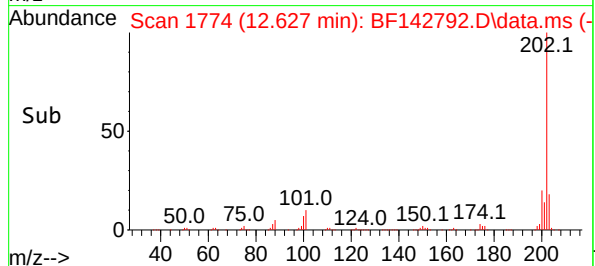
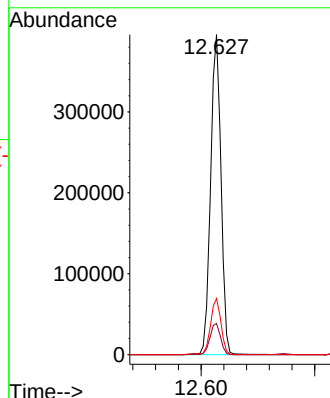
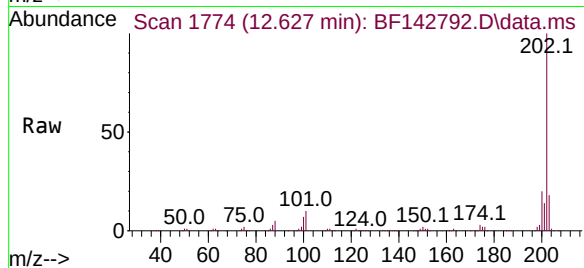




#75
Fluoranthene
Concen: 37.522 ng
RT: 12.627 min Scan# 1774
Delta R.T. 0.000 min
Lab File: BF142792.D
Acq: 19 Jun 2025 19:09

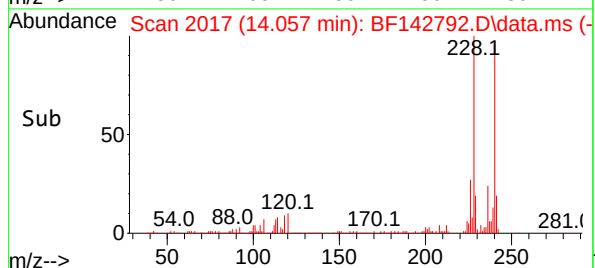
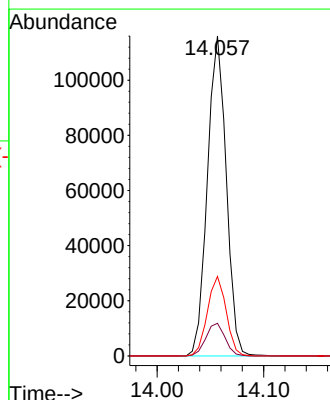
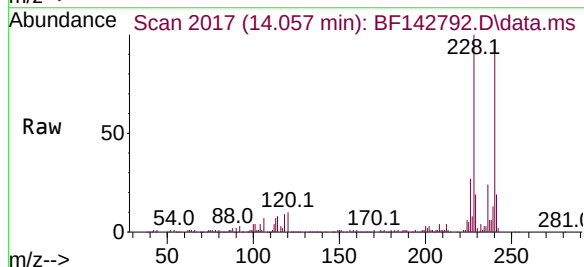
Instrument :
BNA_F
ClientSampleId :
SSTDICCC040

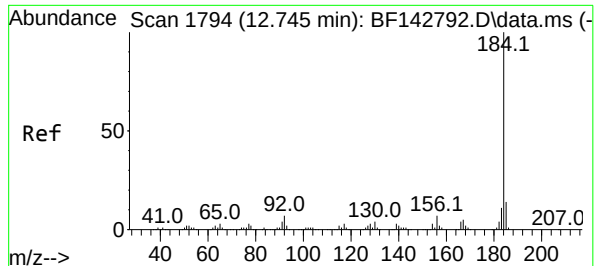
Tgt Ion	Ratio	Lower	Upper
202	100		
101	9.7	0.0	29.7
203	17.5	0.0	37.5



#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

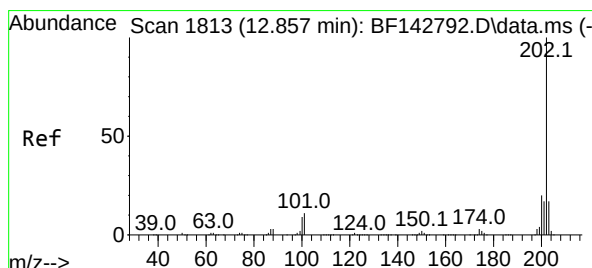
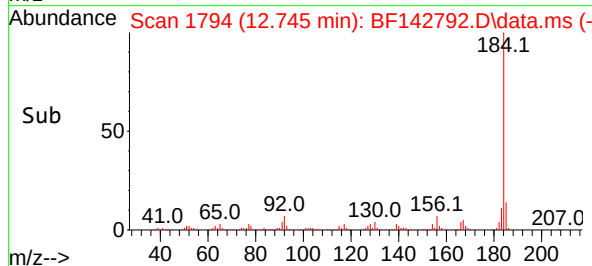
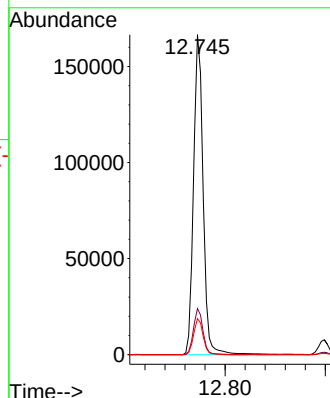
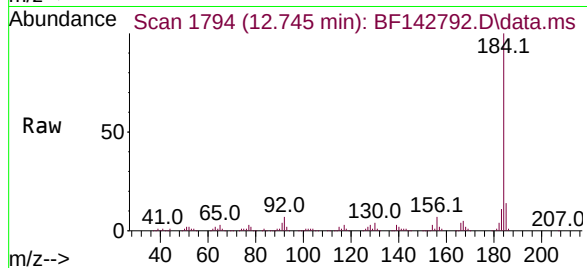
Tgt Ion:184 Resp: 220379

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

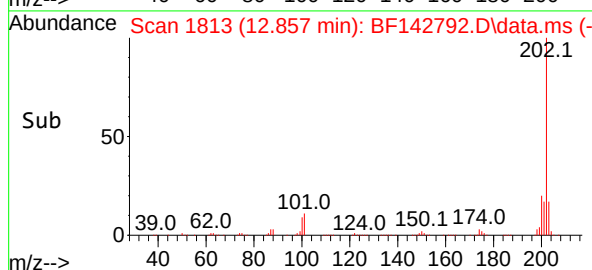
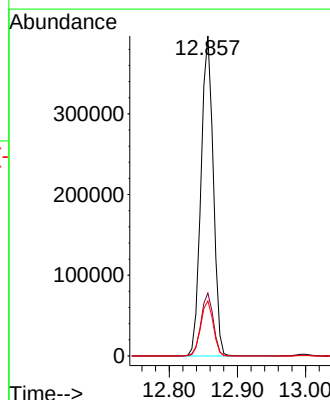
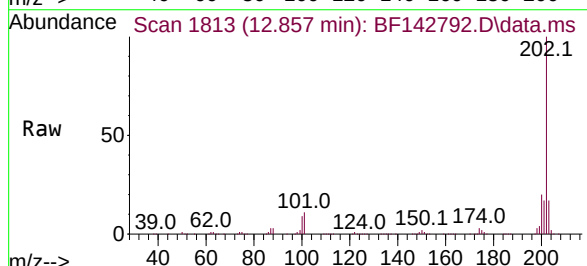
Tgt Ion:202 Resp: 496538

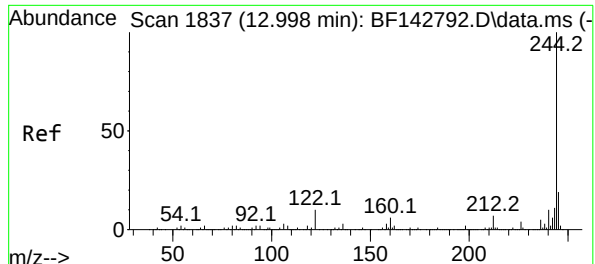
Ion Ratio Lower Upper

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

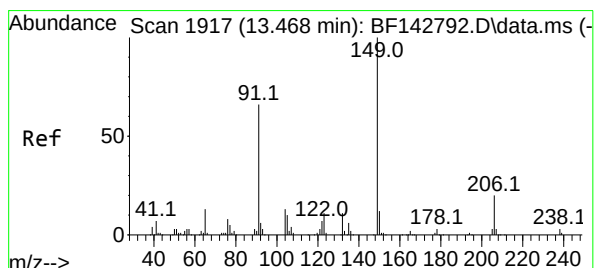
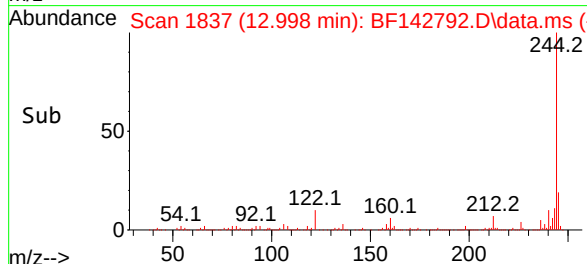
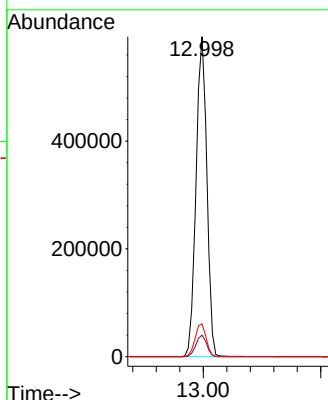
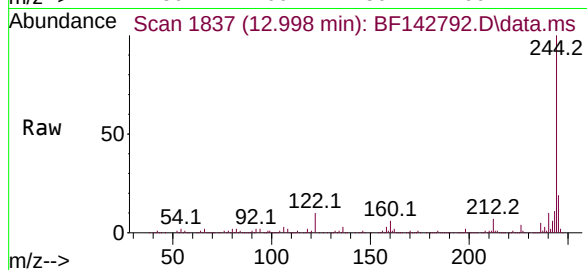
Tgt Ion:244 Resp: 756495

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

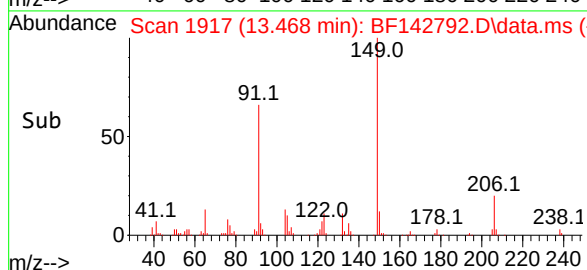
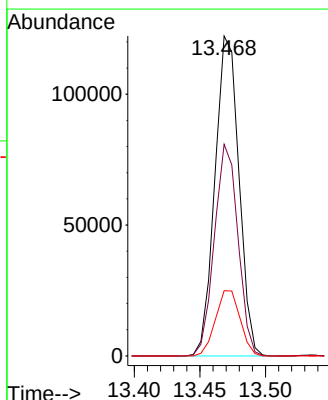
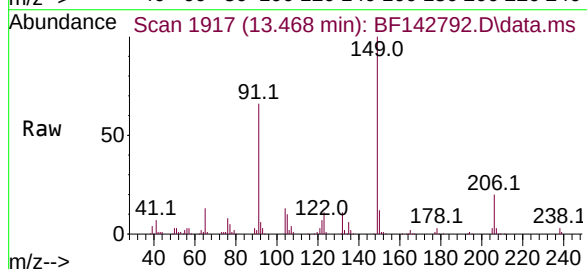
Tgt Ion:149 Resp: 155920

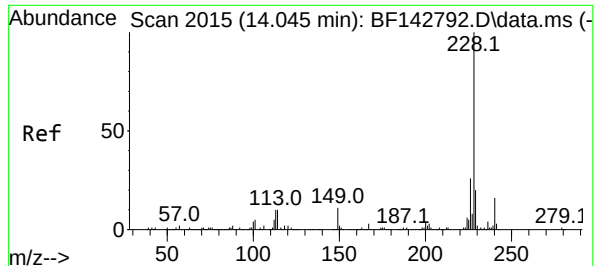
Ion Ratio Lower Upper

149 100

91 66.1 52.9 79.3

206 20.4 16.3 24.5

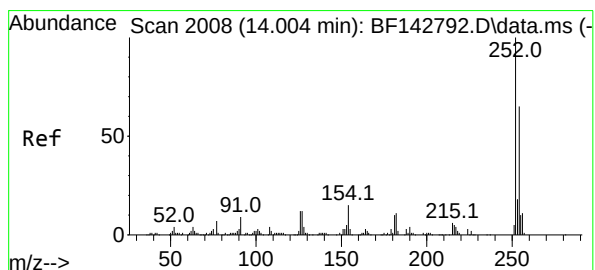
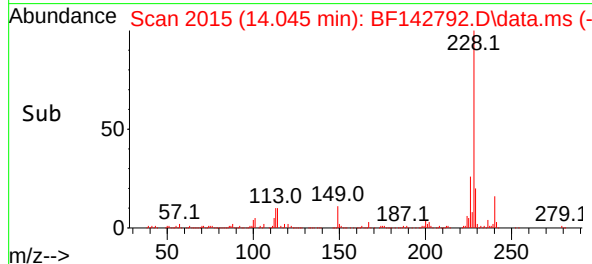
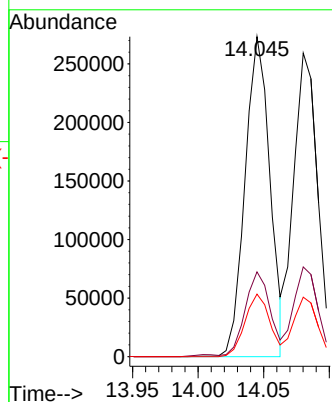
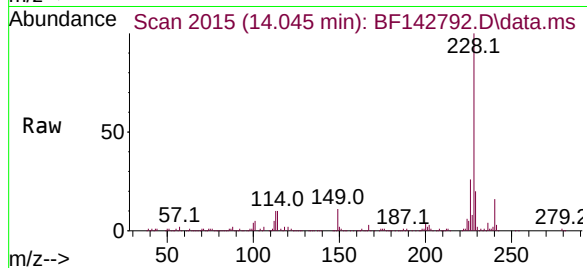




#81
Benzo(a)anthracene
Concen: 38.522 ng
RT: 14.045 min Scan# 2015
Delta R.T. 0.000 min
Lab File: BF142792.D
Acq: 19 Jun 2025 19:09

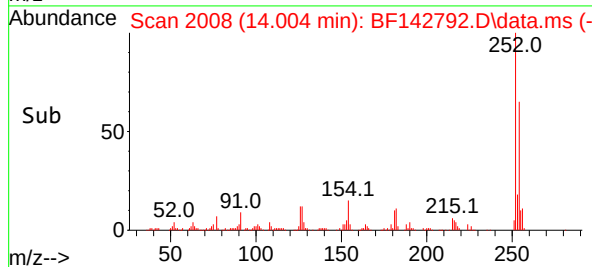
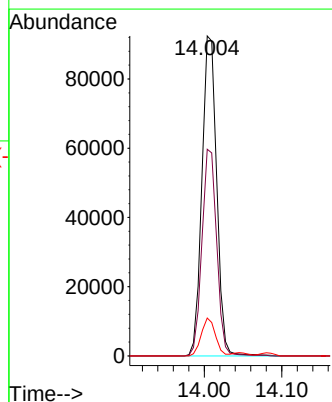
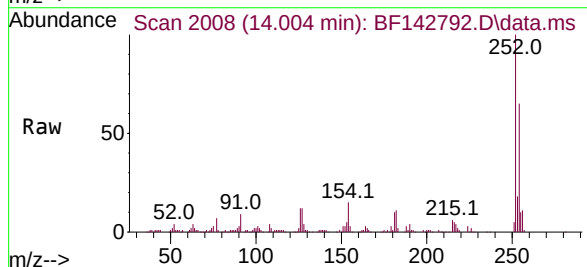
Instrument :
BNA_F
ClientSampleId :
SSTDICCC040

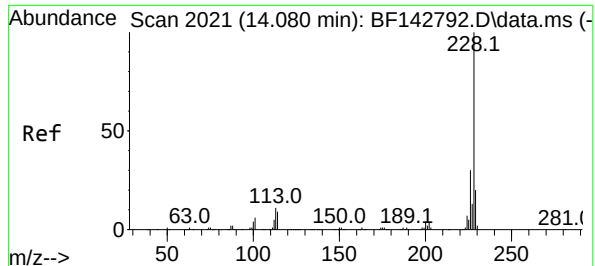
Tgt Ion:228 Resp: 360377
Ion Ratio Lower Upper
228 100
226 26.5 21.2 31.8
229 19.5 15.6 23.4



#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

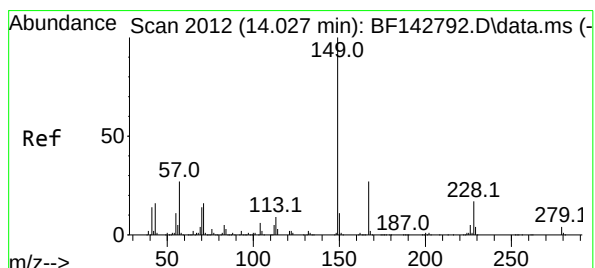
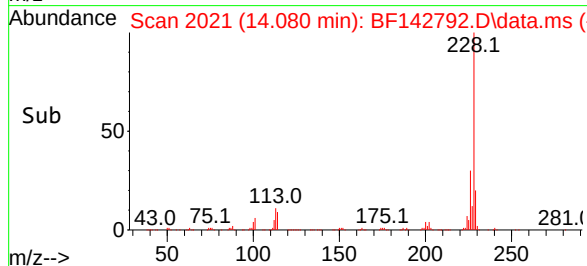
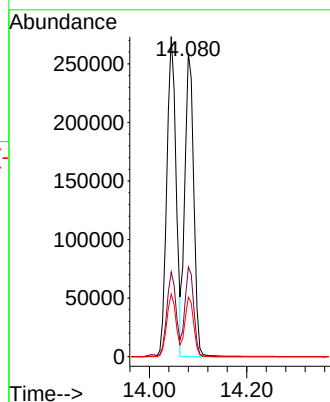
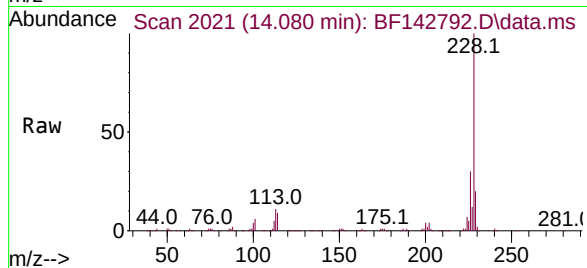
Tgt Ion:228 Resp: 331830

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

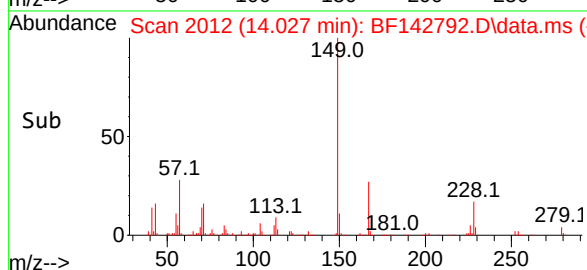
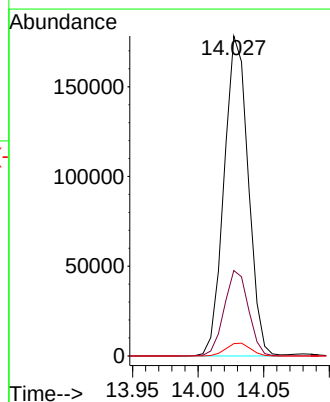
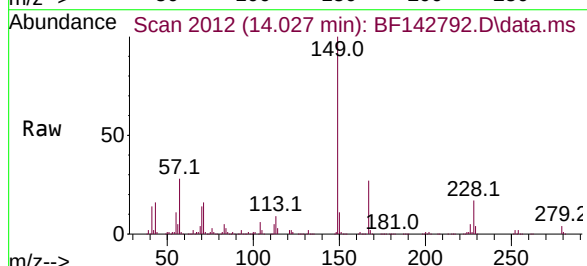
Tgt Ion:149 Resp: 228949

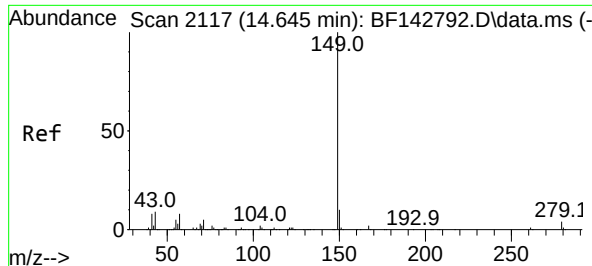
Ion Ratio Lower Upper

149 100

167 26.7 21.4 32.0

279 3.8 3.0 4.6

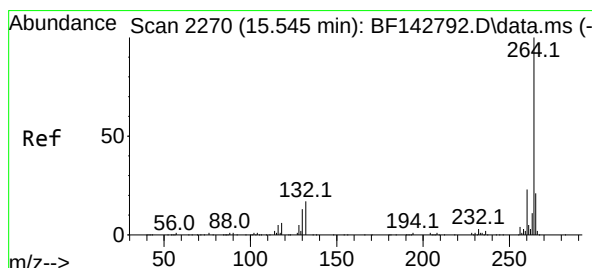
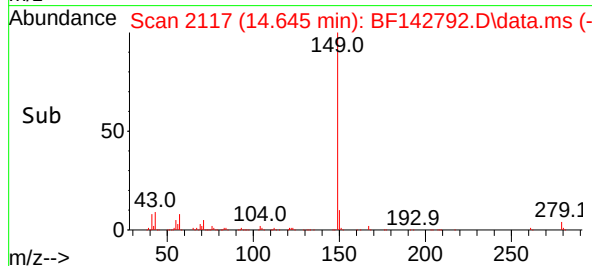
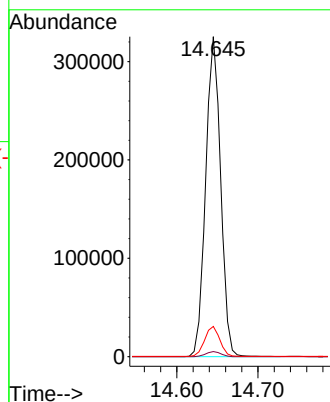
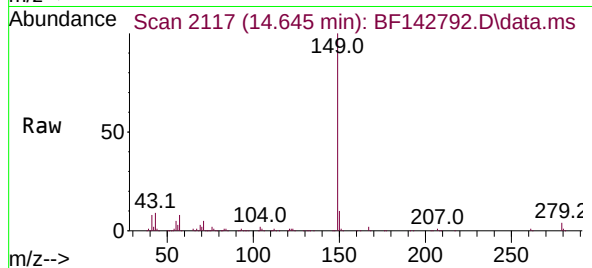




#85
Di-n-octyl phthalate
Concen: 37.837 ng
RT: 14.645 min Scan# 2117
Delta R.T. 0.000 min
Lab File: BF142792.D
Acq: 19 Jun 2025 19:09

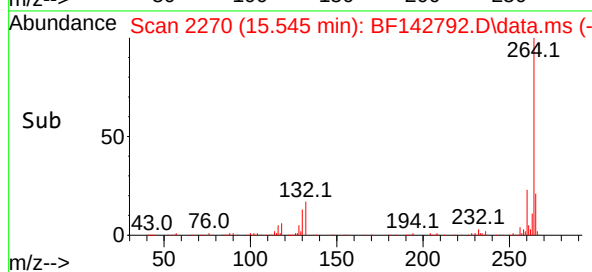
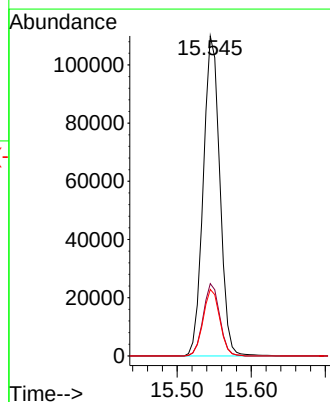
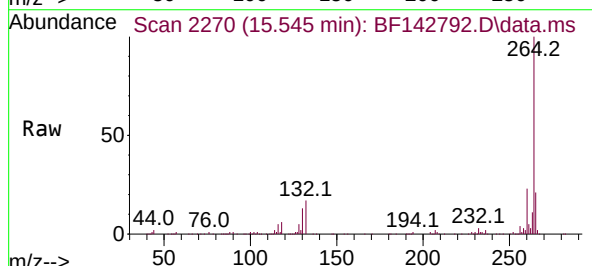
Instrument :
BNA_F
ClientSampleId :
SSTDICCC040

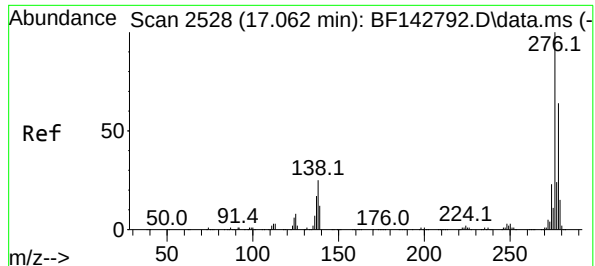
Tgt Ion:149 Resp: 416971
Ion Ratio Lower Upper
149 100
167 1.6 1.3 1.9
43 9.5 7.6 11.4



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

Tgt Ion:264 Resp: 170267
Ion Ratio Lower Upper
264 100
260 22.6 18.1 27.1
265 20.8 16.6 25.0





#87

Indeno(1,2,3-cd)pyrene

Concen: 39.863 ng

RT: 17.062 min Scan# 21

Delta R.T. 0.000 min

Lab File: BF142792.D

Acq: 19 Jun 2025 19:09

Instrument :

BNA_F

ClientSampleId :

SSTDICCC040

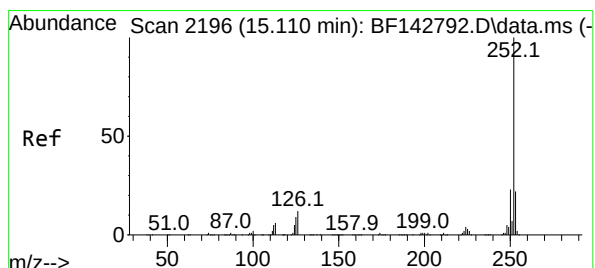
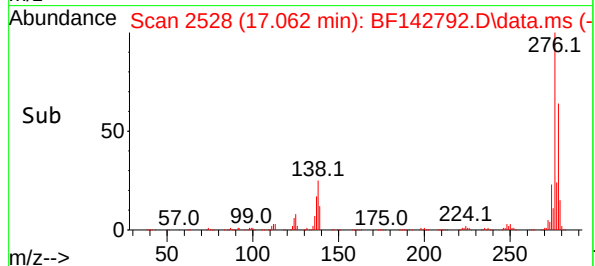
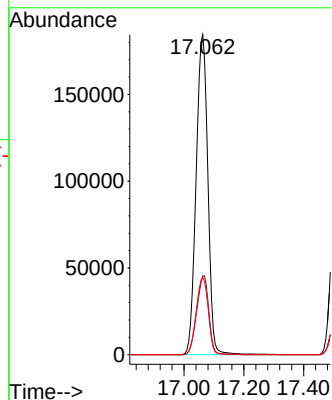
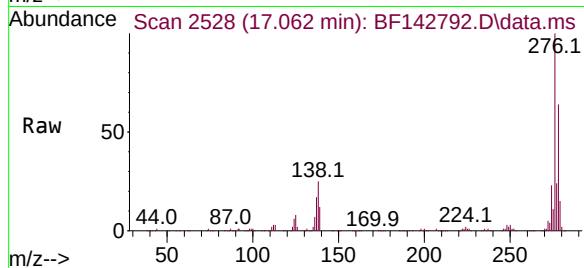
Tgt Ion:276 Resp: 501803

Ion Ratio Lower Upper

276 100

138 25.3 20.2 30.4

277 24.7 19.8 29.6



#88

Benzo(b)fluoranthene

Concen: 36.825 ng

RT: 15.110 min Scan# 2196

Delta R.T. 0.000 min

Lab File: BF142792.D

Acq: 19 Jun 2025 19:09

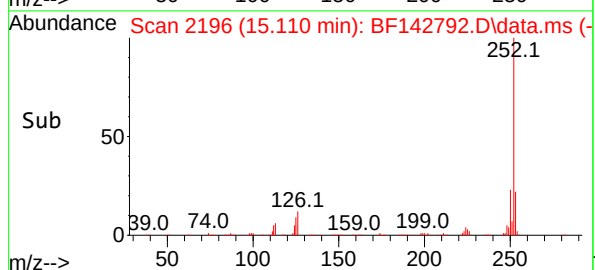
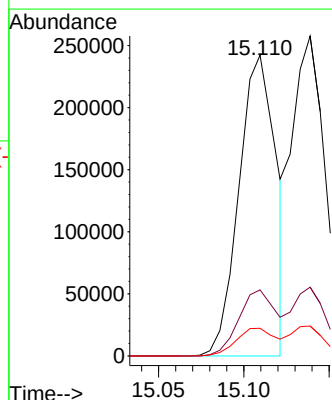
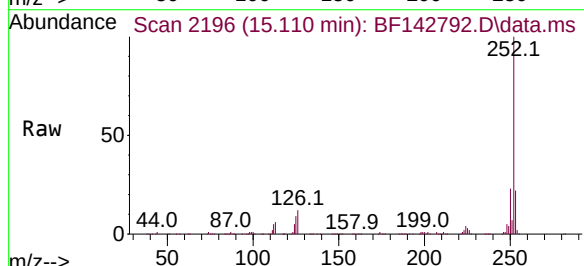
Tgt Ion:252 Resp: 365164

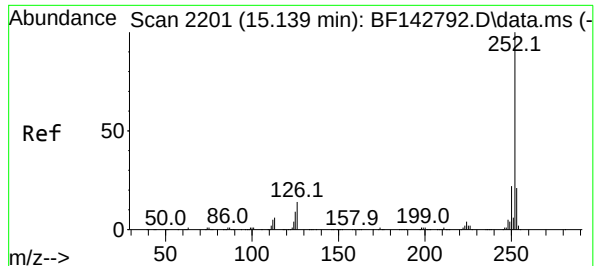
Ion Ratio Lower Upper

252 100

253 21.9 17.5 26.3

125 9.2 7.4 11.0





#89

Benzo(k)fluoranthene

Concen: 36.466 ng

RT: 15.139 min Scan# 2201

Delta R.T. 0.000 min

Lab File: BF142792.D

Acq: 19 Jun 2025 19:09

Instrument :

BNA_F

ClientSampleId :

SSTDICCC040

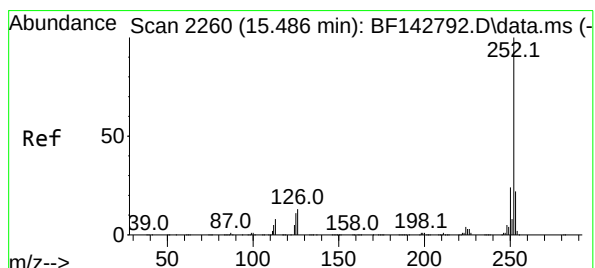
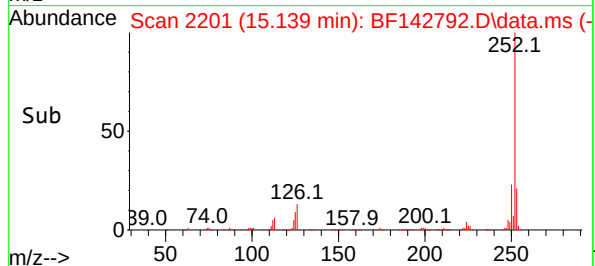
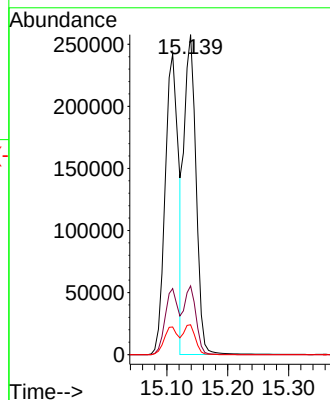
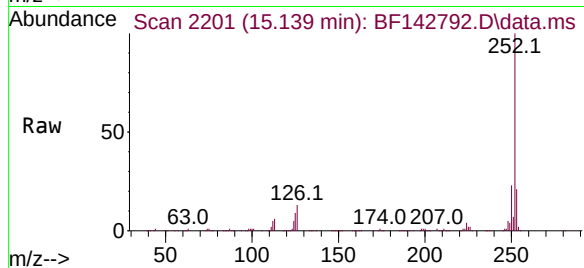
Tgt Ion:252 Resp: 352993

Ion Ratio Lower Upper

252 100

253 21.5 17.2 25.8

125 9.3 7.4 11.2



#90

Benzo(a)pyrene

Concen: 38.357 ng

RT: 15.486 min Scan# 2260

Delta R.T. 0.000 min

Lab File: BF142792.D

Acq: 19 Jun 2025 19:09

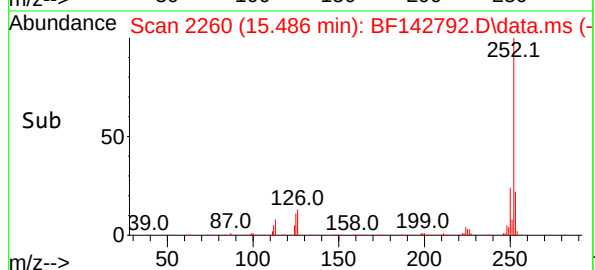
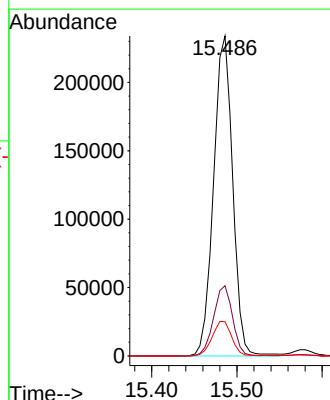
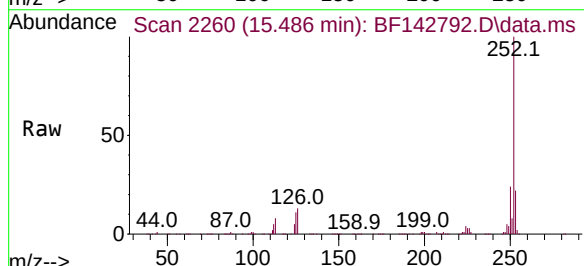
Tgt Ion:252 Resp: 363990

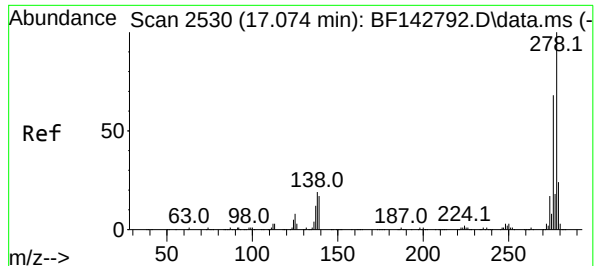
Ion Ratio Lower Upper

252 100

253 21.9 17.5 26.3

125 10.7 8.6 12.8





#91

Dibenzo(a,h)anthracene

Concen: 39.266 ng

RT: 17.074 min Scan# 2530

Delta R.T. 0.000 min

Lab File: BF142792.D

Acq: 19 Jun 2025 19:09

Instrument :

BNA_F

ClientSampleId :

SSTDICCC040

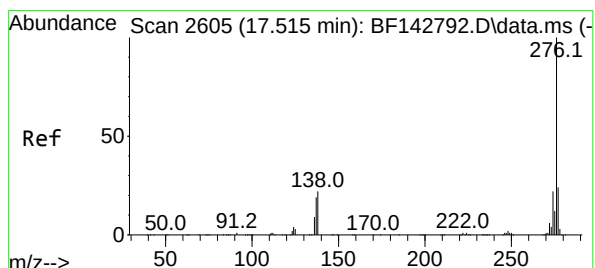
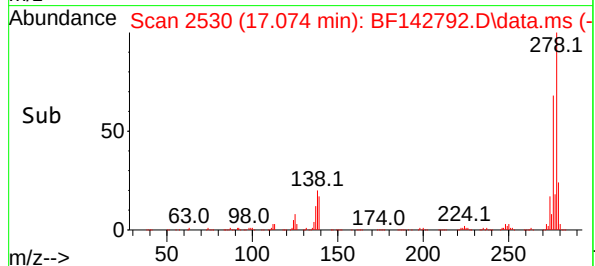
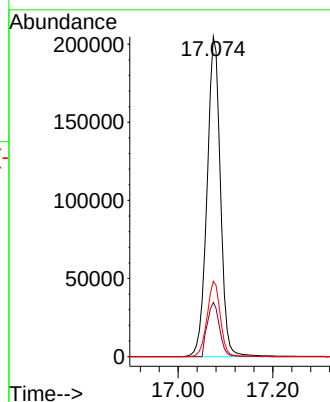
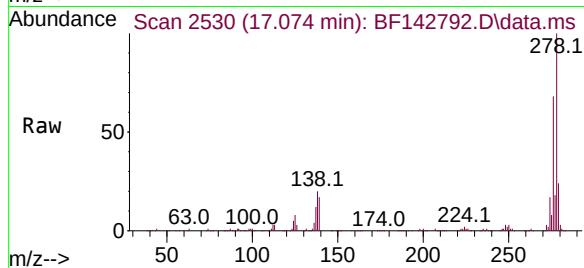
Tgt Ion:278 Resp: 401876

Ion Ratio Lower Upper

278 100

139 16.9 13.5 20.3

279 23.5 18.8 28.2



#92

Benzo(g,h,i)perylene

Concen: 39.635 ng

RT: 17.515 min Scan# 2605

Delta R.T. 0.000 min

Lab File: BF142792.D

Acq: 19 Jun 2025 19:09

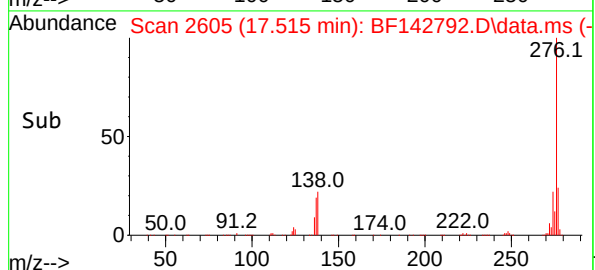
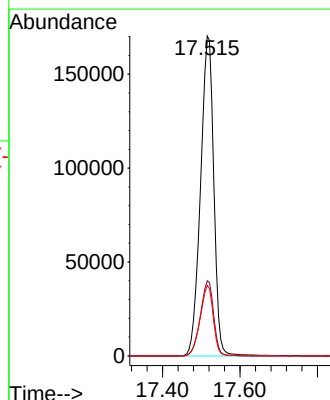
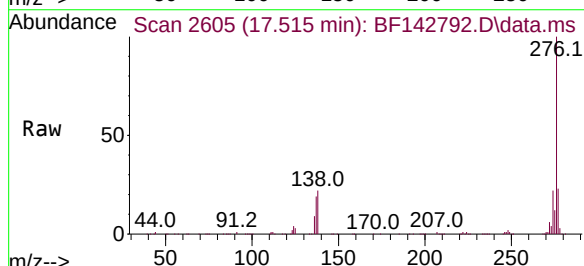
Tgt Ion:276 Resp: 404711

Ion Ratio Lower Upper

276 100

277 23.5 18.8 28.2

138 22.0 17.6 26.4



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

Instrument :
 BNA_F
 ClientSampleId :
 SSTDICC050

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

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

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

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

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

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

Instrument :
 BNA_F
 ClientSampleId :
 SSTDICC050

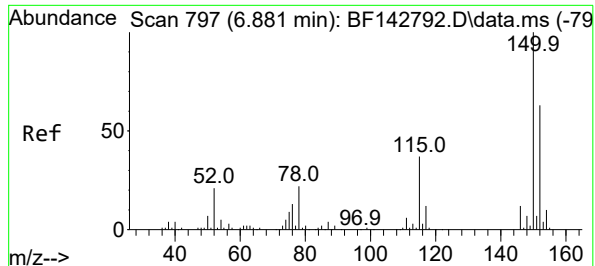
Quant Time: Jun 20 04:40:40 2025
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 QLast Update : Fri Jun 20 04:36:38 2025
 Response via : Initial Calibration

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

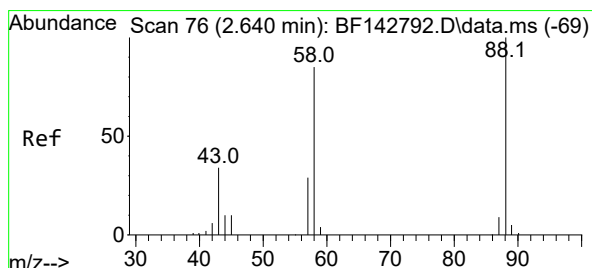
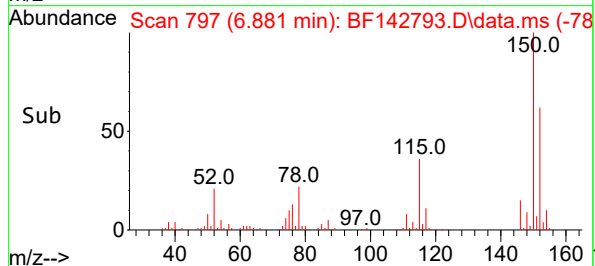
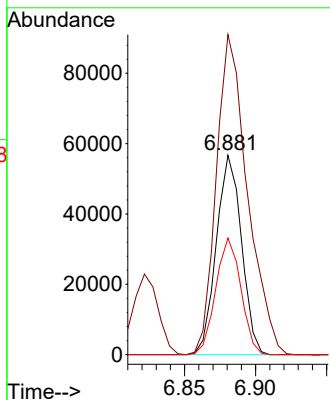
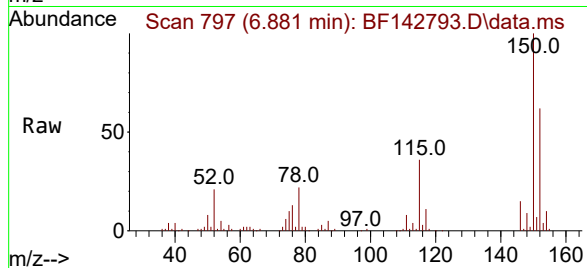
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#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.881 min Scan# 79
Delta R.T. -0.000 min
Lab File: BF142793.D
Acq: 19 Jun 2025 19:40

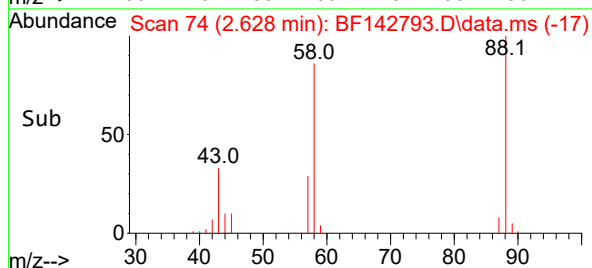
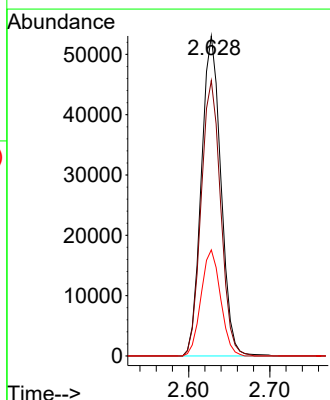
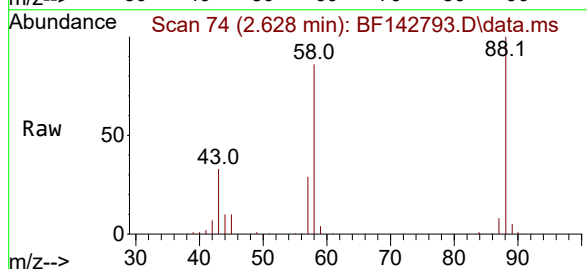
Instrument :
BNA_F
ClientSampleId :
SSTDICC050

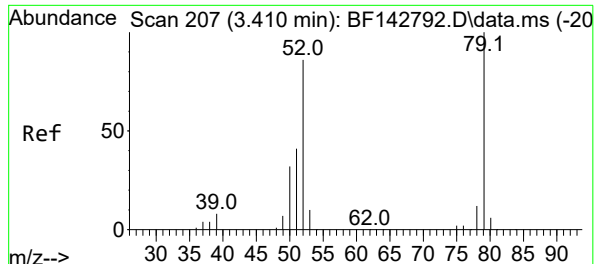
Tgt Ion:152 Resp: 69874
Ion Ratio Lower Upper
152 100
150 160.5 127.2 190.8
115 58.5 46.6 69.8



#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

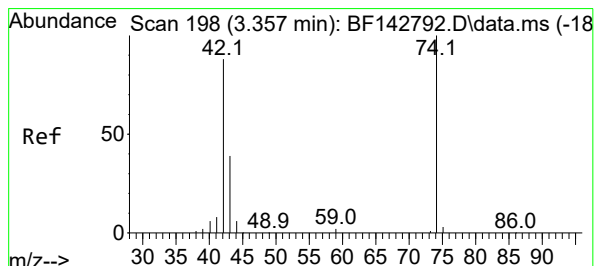
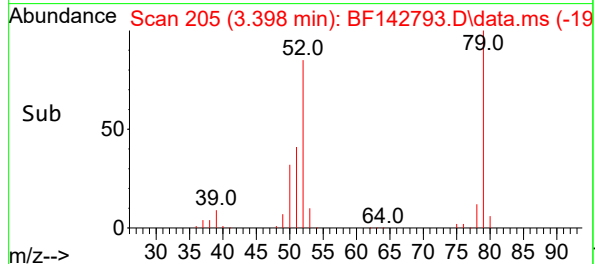
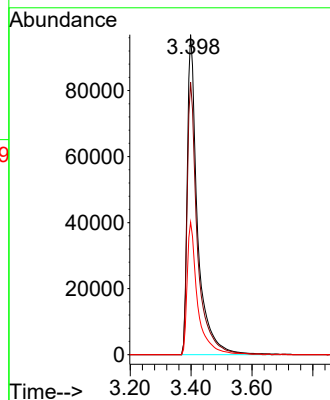
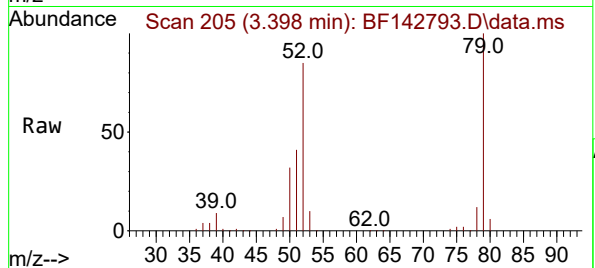




#3
Pyridine
Concen: 55.874 ng
RT: 3.398 min Scan# 207
Delta R.T. -0.012 min
Lab File: BF142793.D
Acq: 19 Jun 2025 19:40

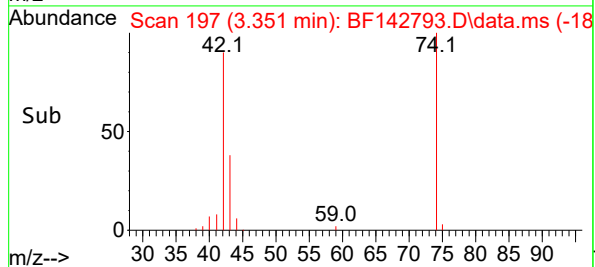
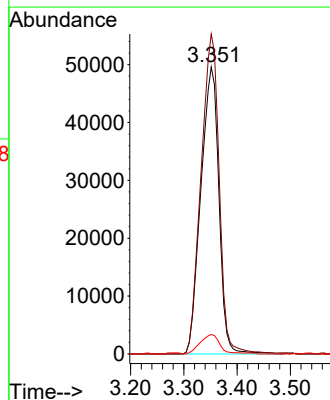
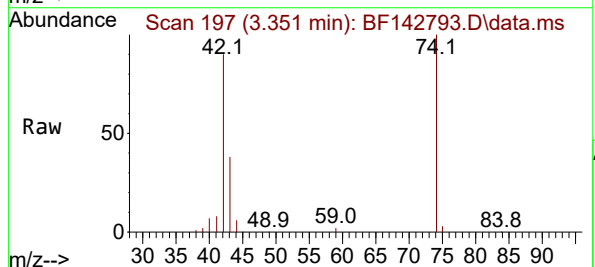
Instrument :
BNA_F
ClientSampleId :
SSTDICC050

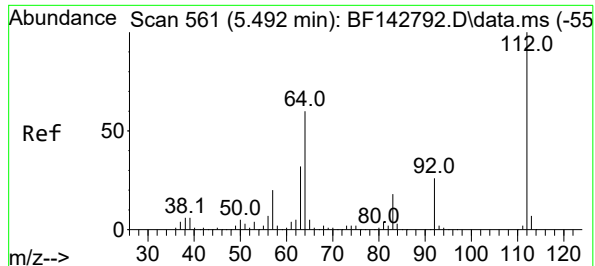
Tgt Ion: 79 Resp: 227576
Ion Ratio Lower Upper
79 100
52 85.2 69.2 103.8
51 41.4 33.2 49.8



#4
n-Nitrosodimethylamine
Concen: 55.913 ng
RT: 3.351 min Scan# 197
Delta R.T. -0.006 min
Lab File: BF142793.D
Acq: 19 Jun 2025 19:40

Tgt Ion: 42 Resp: 116636
Ion Ratio Lower Upper
42 100
74 111.5 90.9 136.3
44 6.8 5.8 8.6





#5

2-Fluorophenol

Concen: 107.674 ng

RT: 5.492 min Scan# 5

Delta R.T. -0.000 min

Lab File: BF142793.D

Acq: 19 Jun 2025 19:40

Instrument :

BNA_F

ClientSampleId :

SSTDICC050

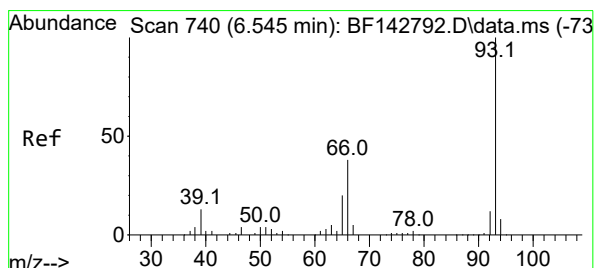
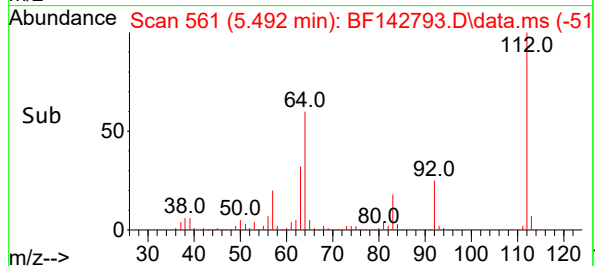
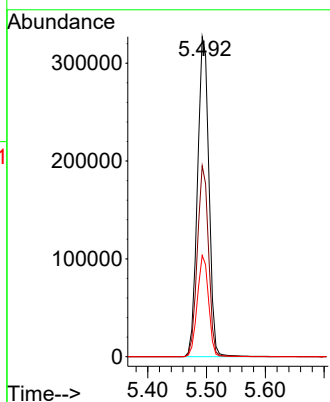
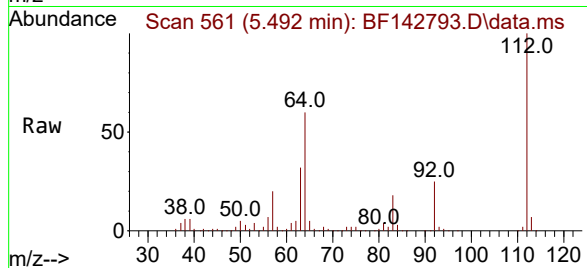
Tgt Ion:112 Resp: 441114

Ion Ratio Lower Upper

112 100

64 59.6 48.2 72.2

63 31.6 25.7 38.5



#6

Aniline

Concen: 53.700 ng

RT: 6.545 min Scan# 740

Delta R.T. -0.000 min

Lab File: BF142793.D

Acq: 19 Jun 2025 19:40

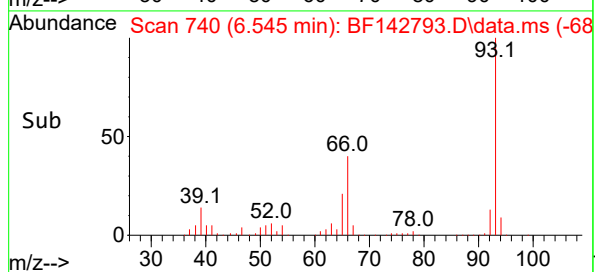
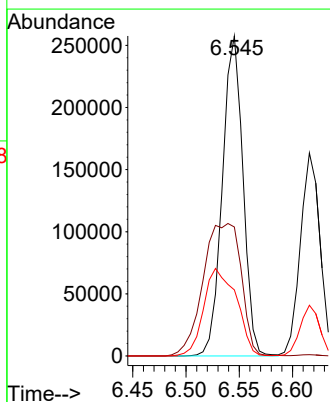
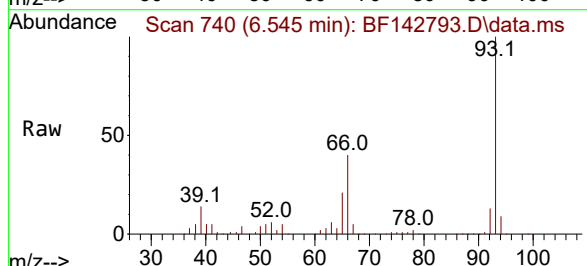
Tgt Ion: 93 Resp: 346211

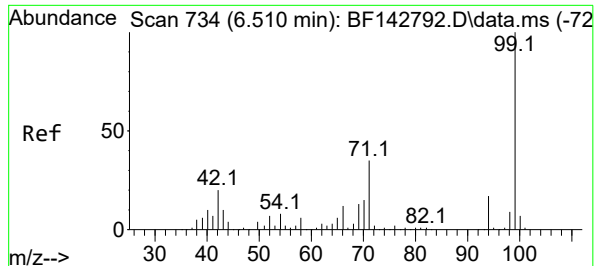
Ion Ratio Lower Upper

93 100

66 40.3 31.8 47.6

65 20.7 16.2 24.2





#7

Phenol-d6

Concen: 107.451 ng

RT: 6.510 min Scan# 71

Delta R.T. -0.000 min

Lab File: BF142793.D

Acq: 19 Jun 2025 19:40

Instrument :

BNA_F

ClientSampleId :

SSTDICC050

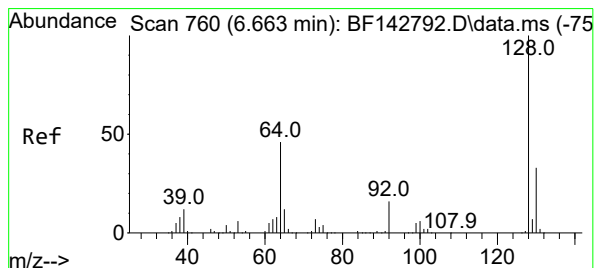
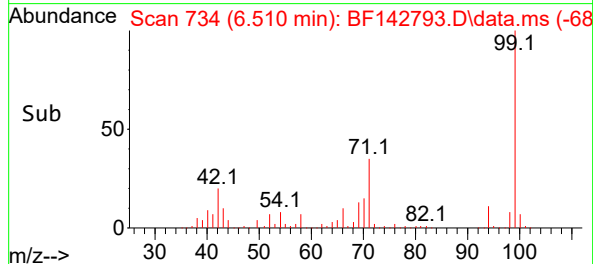
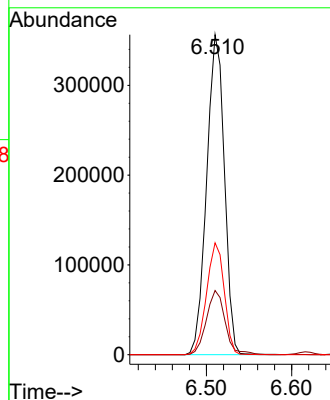
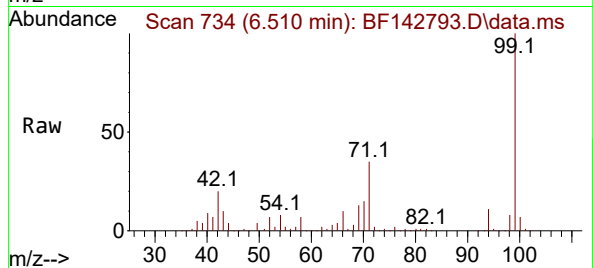
Tgt Ion: 99 Resp: 516909

Ion Ratio Lower Upper

99 100

42 20.1 15.9 23.9

71 34.9 27.8 41.8



#8

2-Chlorophenol

Concen: 53.507 ng

RT: 6.663 min Scan# 760

Delta R.T. -0.000 min

Lab File: BF142793.D

Acq: 19 Jun 2025 19:40

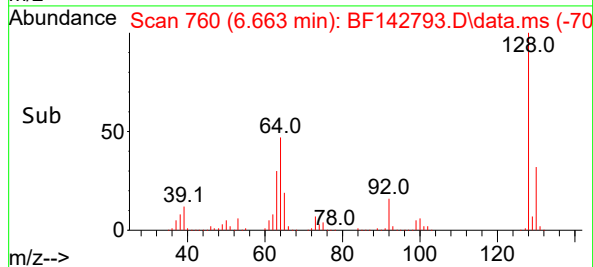
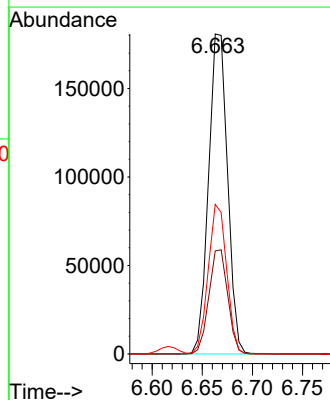
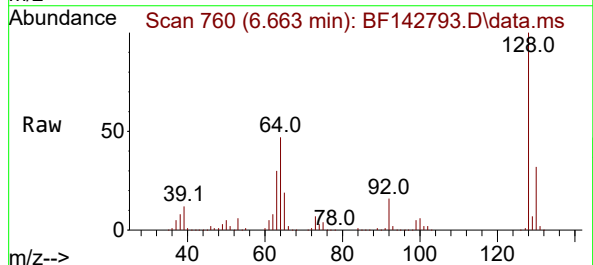
Tgt Ion:128 Resp: 238691

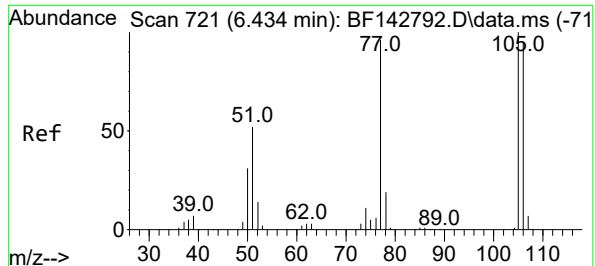
Ion Ratio Lower Upper

128 100

130 32.2 12.7 52.7

64 46.8 26.5 66.5





#9

Benzaldehyde

Concen: 49.583 ng

RT: 6.434 min Scan# 71

Delta R.T. -0.000 min

Lab File: BF142793.D

Acq: 19 Jun 2025 19:40

Instrument :

BNA_F

ClientSampleId :

SSTDICC050

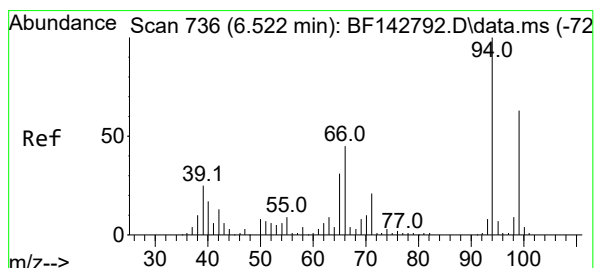
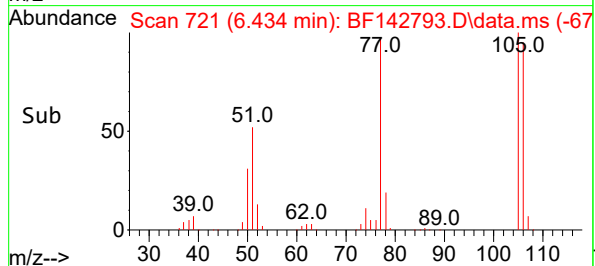
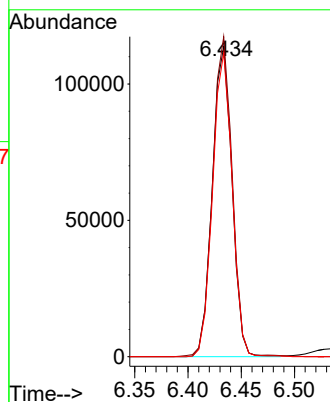
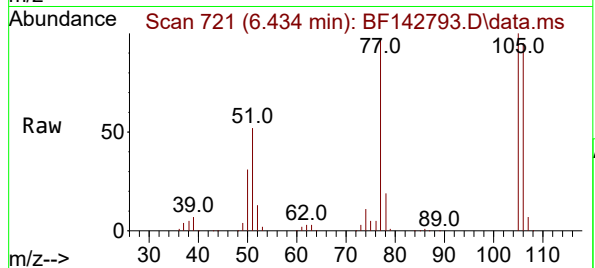
Tgt Ion: 77 Resp: 145420

Ion Ratio Lower Upper

77 100

105 103.2 83.8 123.8

106 98.0 78.7 118.7



#10

Phenol

Concen: 53.781 ng

RT: 6.528 min Scan# 737

Delta R.T. 0.006 min

Lab File: BF142793.D

Acq: 19 Jun 2025 19:40

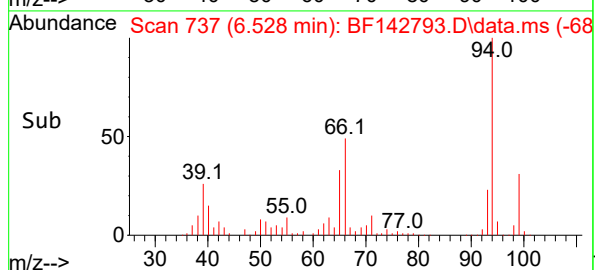
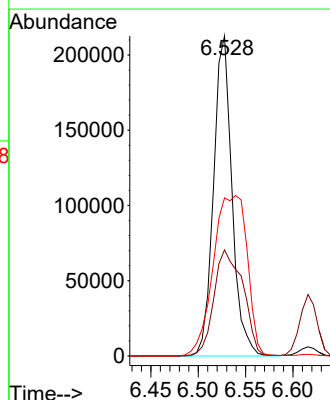
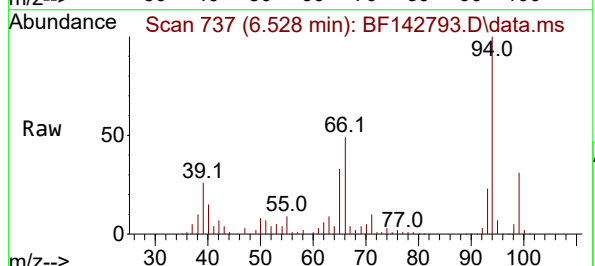
Tgt Ion: 94 Resp: 288461

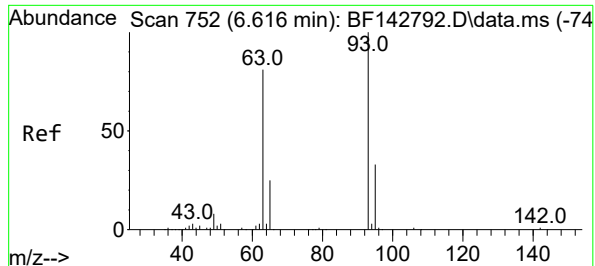
Ion Ratio Lower Upper

94 100

65 33.2 11.3 51.3

66 49.4 24.9 64.9

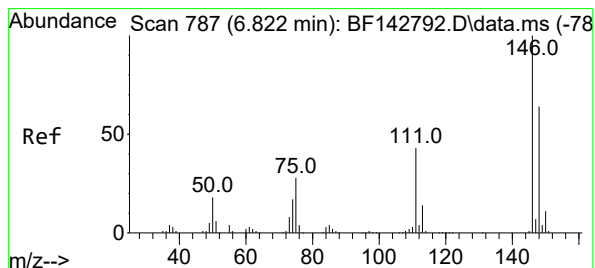
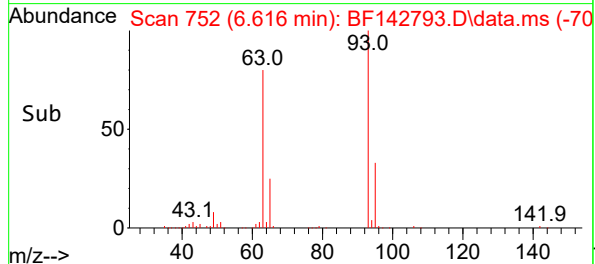
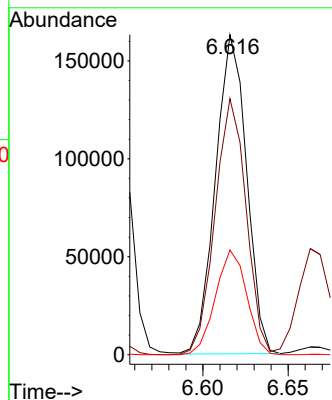
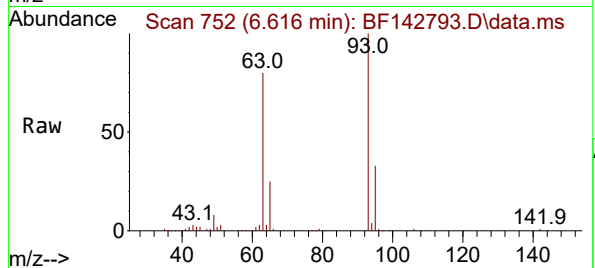




#11
bis(2-Chloroethyl)ether
Concen: 51.933 ng
RT: 6.616 min Scan# 752
Delta R.T. -0.000 min
Lab File: BF142793.D
Acq: 19 Jun 2025 19:40

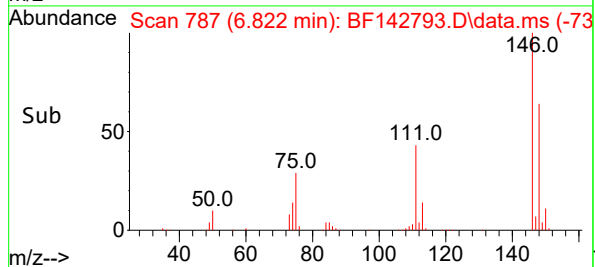
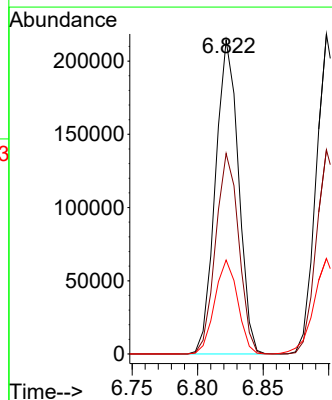
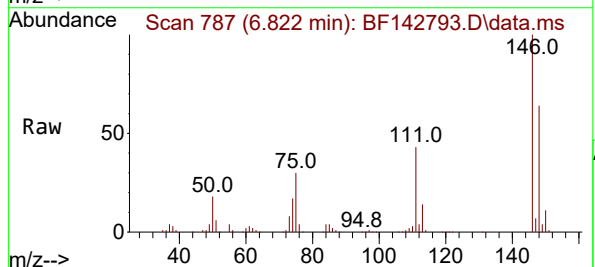
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BNA_F
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SSTDICC050

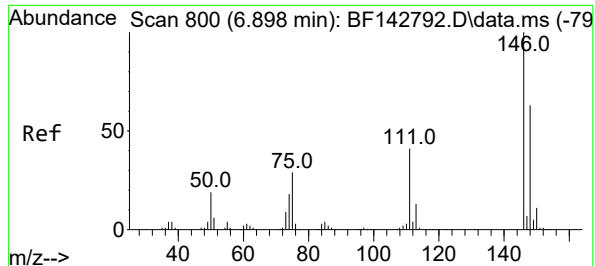
Tgt Ion: 93 Resp: 206661
Ion Ratio Lower Upper
93 100
63 80.0 60.3 100.3
95 32.7 12.5 52.5



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

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





#13

1,4-Dichlorobenzene

Concen: 51.685 ng

RT: 6.898 min Scan# 800

Delta R.T. -0.000 min

Lab File: BF142793.D

Acq: 19 Jun 2025 19:40

Instrument :

BNA_F

ClientSampleId :

SSTDICC050

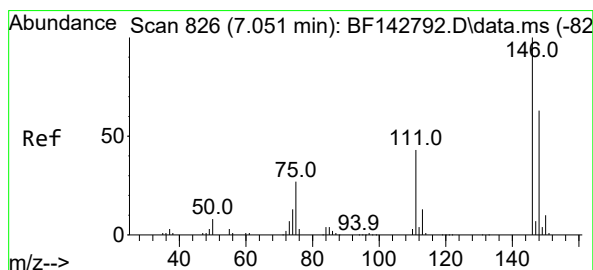
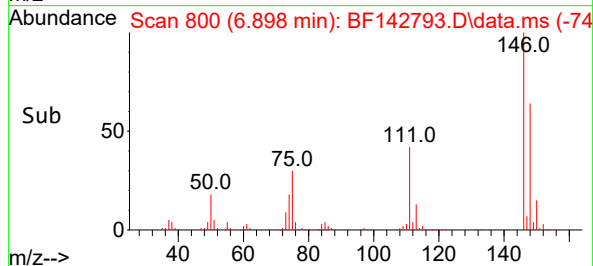
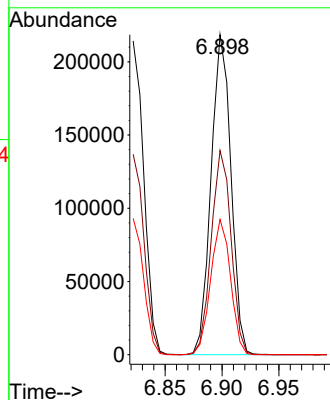
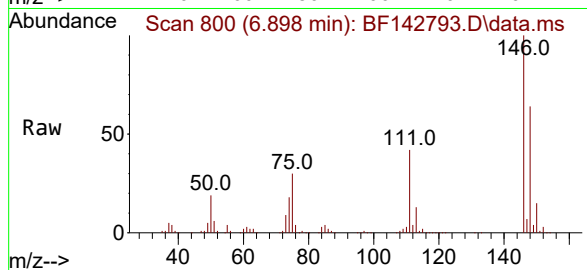
Tgt Ion:146 Resp: 266098

Ion Ratio Lower Upper

146 100

148 63.8 50.2 75.2

111 42.2 33.2 49.8



#14

1,2-Dichlorobenzene

Concen: 51.487 ng

RT: 7.051 min Scan# 826

Delta R.T. -0.000 min

Lab File: BF142793.D

Acq: 19 Jun 2025 19:40

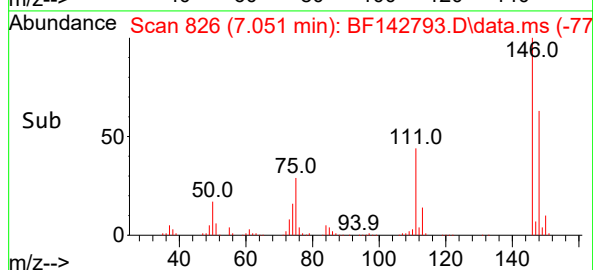
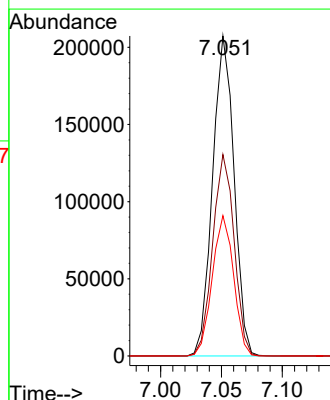
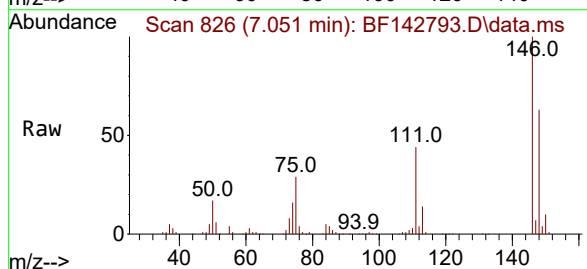
Tgt Ion:146 Resp: 253411

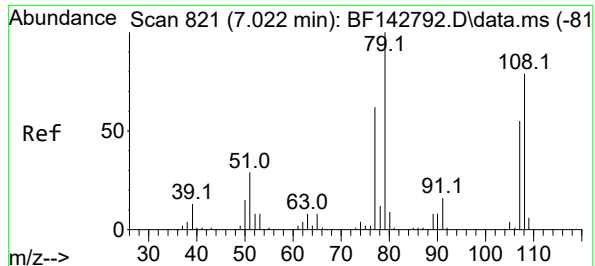
Ion Ratio Lower Upper

146 100

148 62.9 50.4 75.6

111 43.9 34.1 51.1





#15

Benzyl Alcohol

Concen: 53.677 ng

RT: 7.022 min Scan# 81

Delta R.T. -0.000 min

Lab File: BF142793.D

Acq: 19 Jun 2025 19:40

Instrument :

BNA_F

ClientSampleId :

SSTDICC050

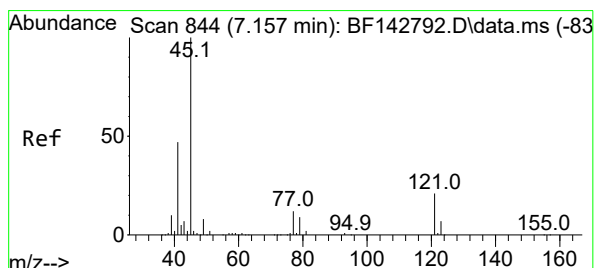
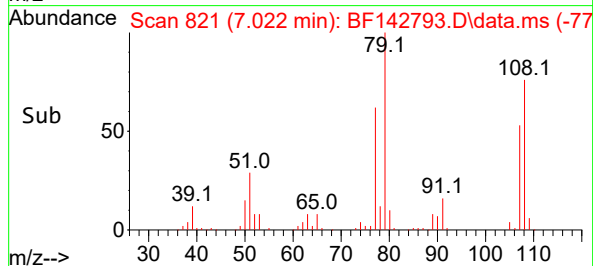
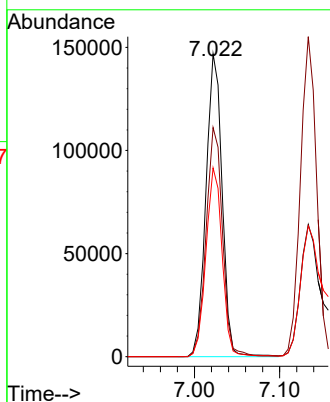
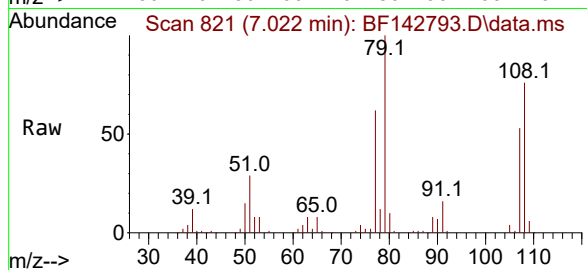
Tgt Ion: 79 Resp: 193284

Ion Ratio Lower Upper

79 100

108 75.6 63.4 95.0

77 62.4 49.5 74.3



#16

2,2'-oxybis(1-chloropropane)

Concen: 52.354 ng

RT: 7.157 min Scan# 844

Delta R.T. -0.000 min

Lab File: BF142793.D

Acq: 19 Jun 2025 19:40

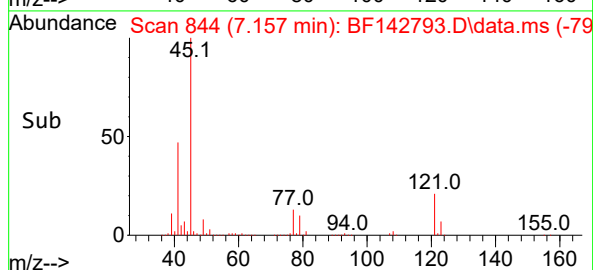
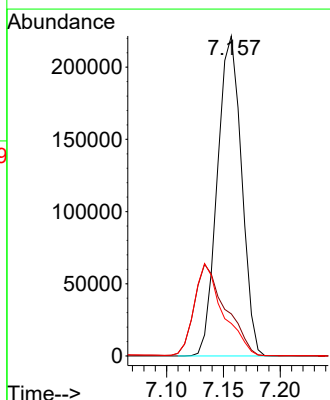
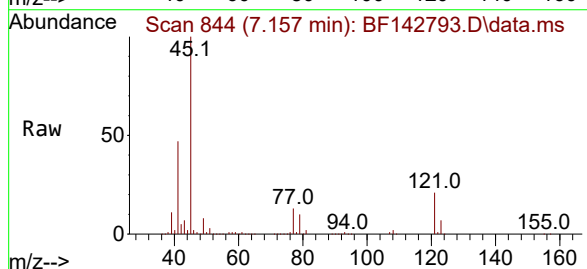
Tgt Ion: 45 Resp: 328251

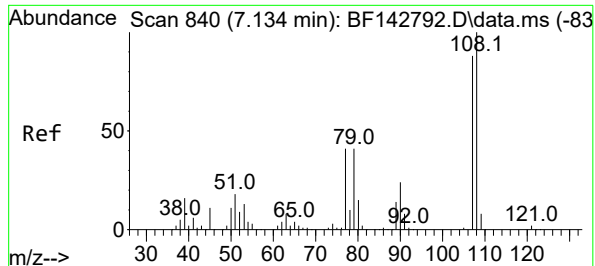
Ion Ratio Lower Upper

45 100

77 13.1 0.0 32.8

79 10.2 0.0 29.8

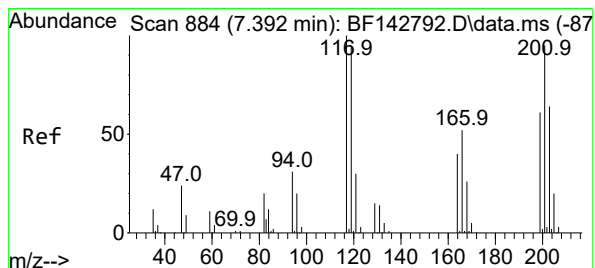
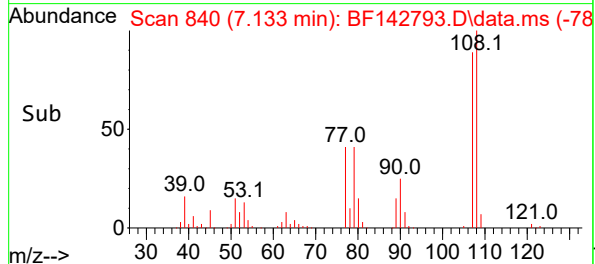
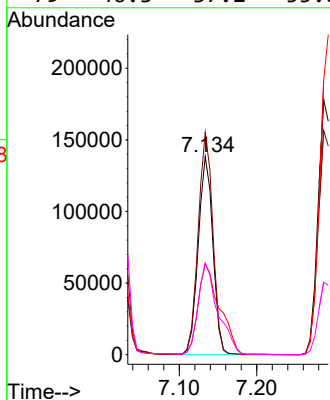
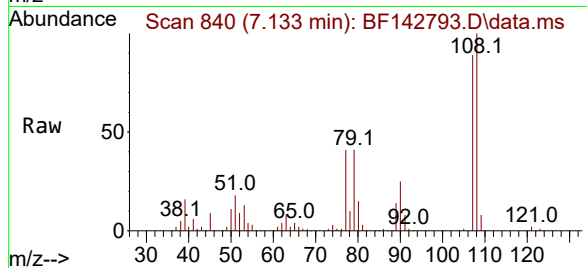




#17
2-Methylphenol
Concen: 53.415 ng
RT: 7.133 min Scan# 840
Delta R.T. -0.000 min
Lab File: BF142793.D
Acq: 19 Jun 2025 19:40

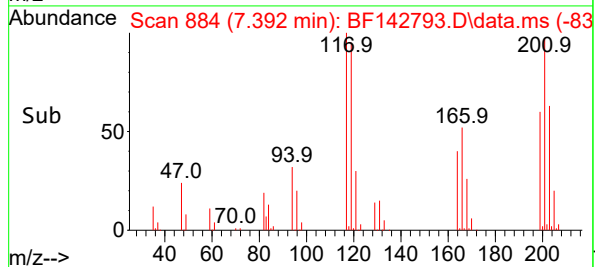
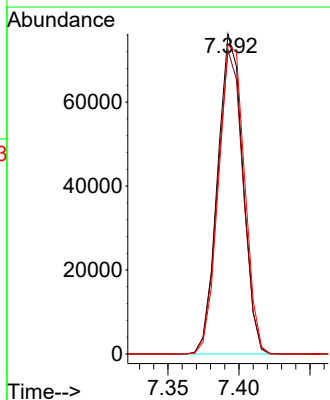
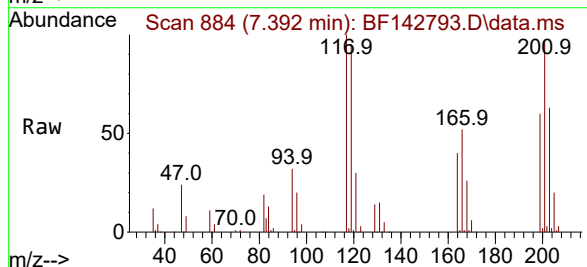
Instrument :
BNA_F
ClientSampleId :
SSTDICC050

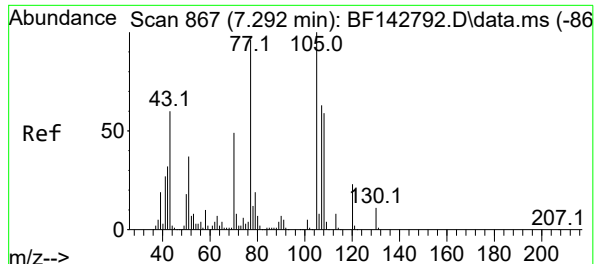
Tgt Ion:107 Resp: 182167
Ion Ratio Lower Upper
107 100
108 112.2 90.9 136.3
77 45.9 37.3 55.9
79 46.3 37.2 55.8



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

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





#19

n-Nitroso-di-n-propylamine

Concen: 48.753 ng

RT: 7.298 min Scan# 868

Delta R.T. 0.006 min

Lab File: BF142793.D

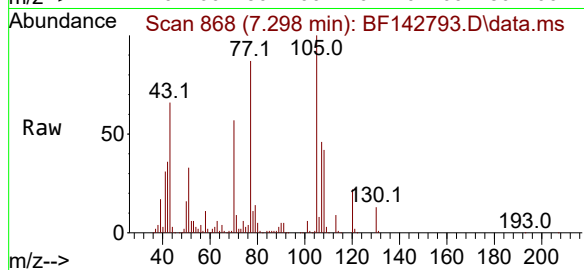
Acq: 19 Jun 2025 19:40

Instrument :

BNA_F

ClientSampleId :

SSTDICC050



Tgt Ion: 70 Resp: 147905

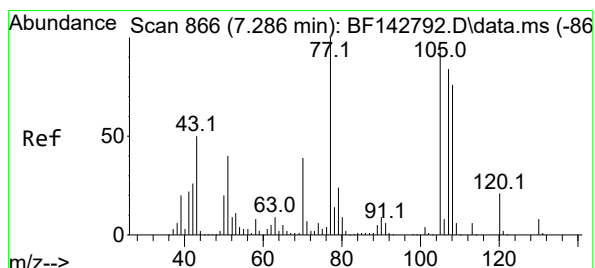
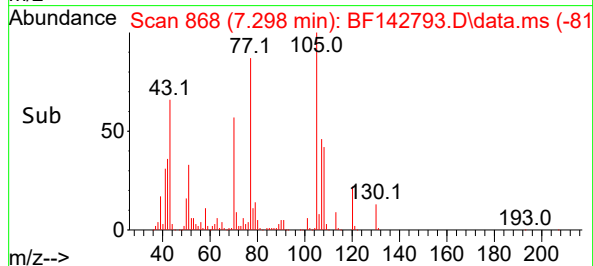
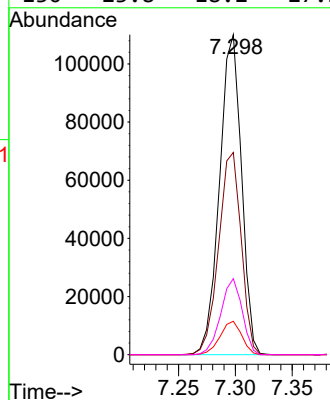
Ion Ratio Lower Upper

70 100

42 63.2 52.1 78.1

101 10.4 8.2 12.2

130 23.8 18.2 27.2



#20

3+4-Methylphenols

Concen: 53.390 ng

RT: 7.286 min Scan# 866

Delta R.T. -0.000 min

Lab File: BF142793.D

Acq: 19 Jun 2025 19:40

Tgt Ion: 107 Resp: 229169

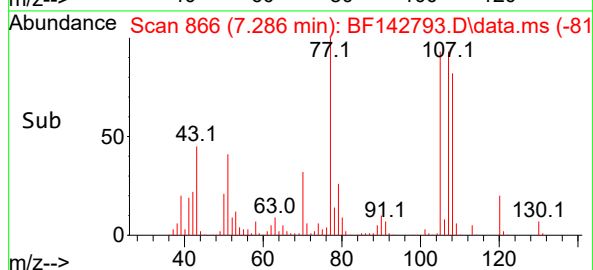
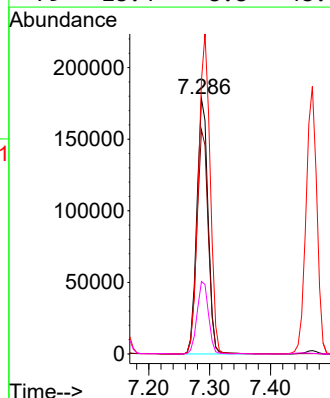
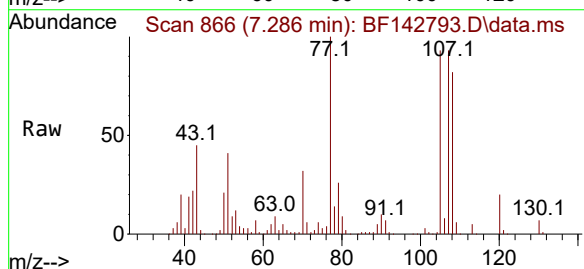
Ion Ratio Lower Upper

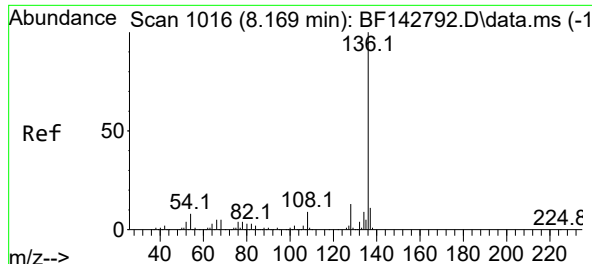
107 100

108 87.9 70.0 110.0

77 107.3 98.5 138.5

79 28.4 8.8 48.8





#21

Naphthalene-d8

Concen: 20.000 ng

RT: 8.169 min Scan# 1016

Delta R.T. -0.000 min

Lab File: BF142793.D

Acq: 19 Jun 2025 19:40

Instrument :

BNA_F

ClientSampleId :

SSTDICC050

Tgt Ion:136 Resp: 262911

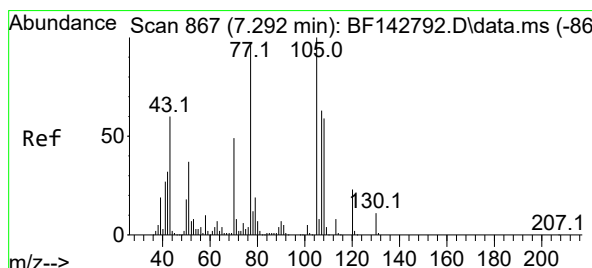
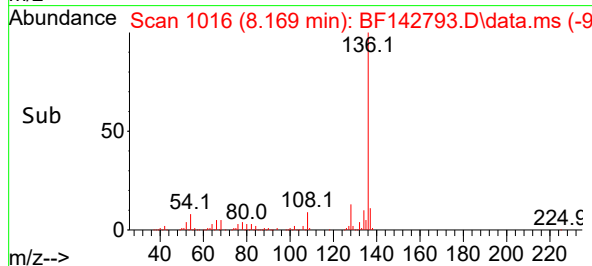
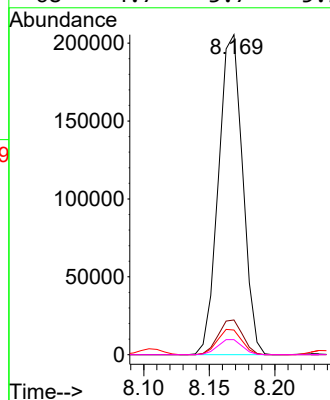
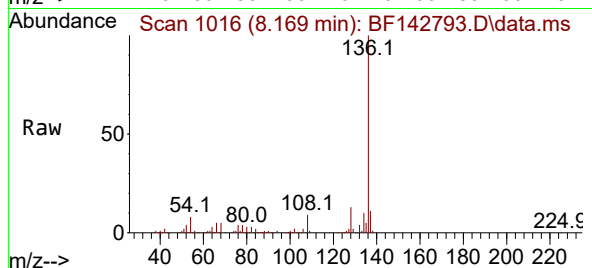
Ion Ratio Lower Upper

136 100

137 10.8 8.4 12.6

54 7.7 6.3 9.5

68 4.7 3.7 5.5



#22

Acetophenone

Concen: 52.102 ng

RT: 7.292 min Scan# 867

Delta R.T. -0.000 min

Lab File: BF142793.D

Acq: 19 Jun 2025 19:40

Tgt Ion:105 Resp: 303087

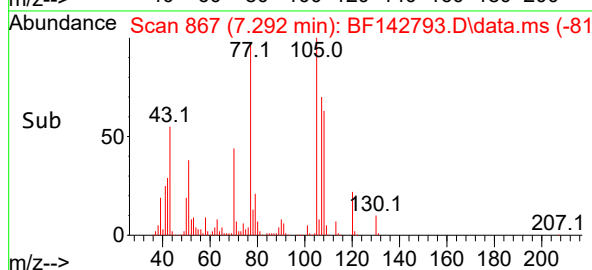
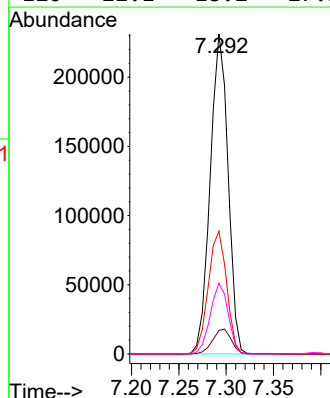
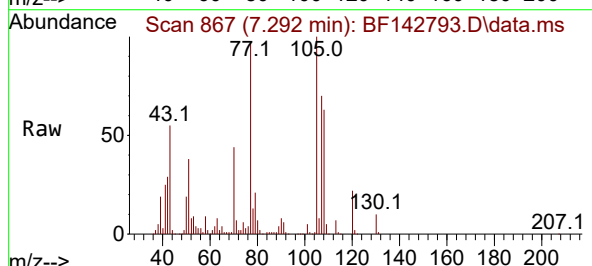
Ion Ratio Lower Upper

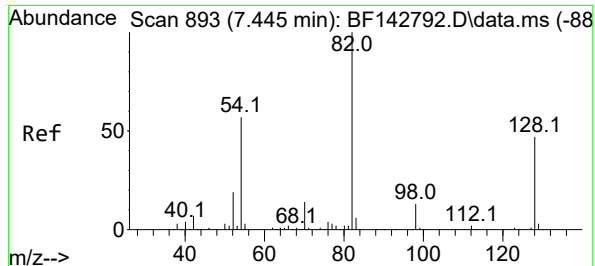
105 100

71 7.4 6.5 9.7

51 38.4 29.8 44.8

120 22.1 18.2 27.2





#23

Nitrobenzene-d5

Concen: 105.669 ng

RT: 7.451 min Scan# 894

Delta R.T. 0.006 min

Lab File: BF142793.D

Acq: 19 Jun 2025 19:40

Instrument :

BNA_F

ClientSampleId :

SSTDICC050

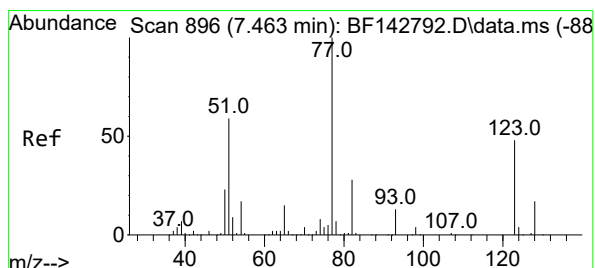
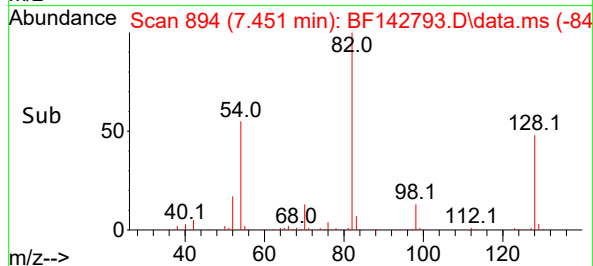
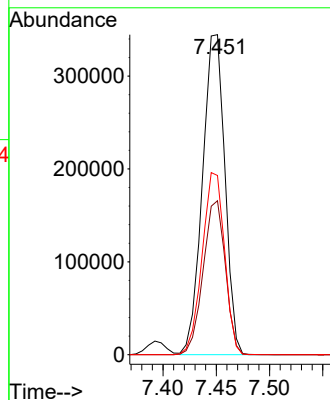
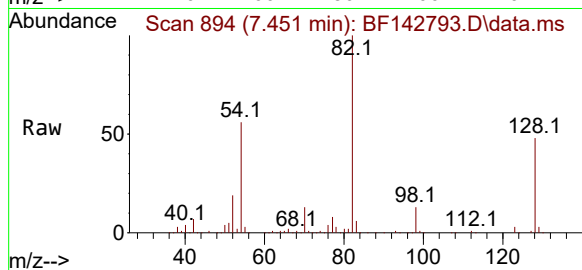
Tgt Ion: 82 Resp: 506846

Ion Ratio Lower Upper

82 100

128 48.1 37.7 56.5

54 56.0 45.7 68.5



#24

Nitrobenzene

Concen: 53.773 ng

RT: 7.469 min Scan# 897

Delta R.T. 0.006 min

Lab File: BF142793.D

Acq: 19 Jun 2025 19:40

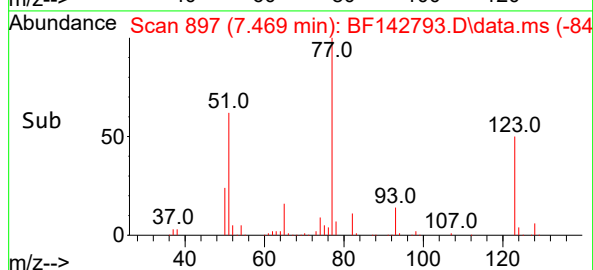
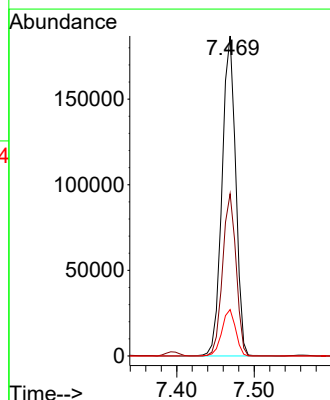
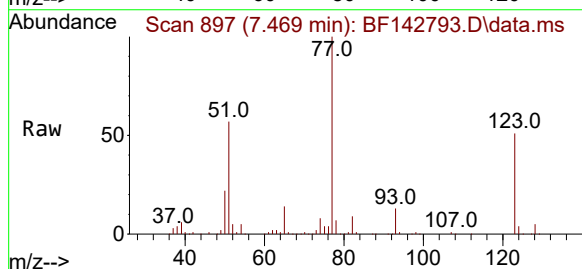
Tgt Ion: 77 Resp: 229219

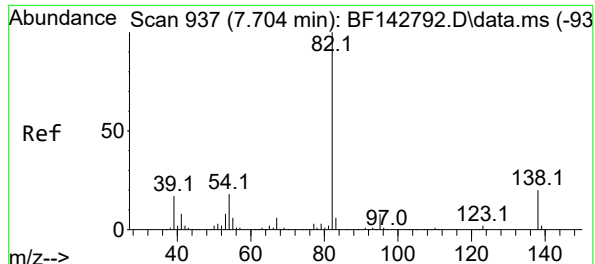
Ion Ratio Lower Upper

77 100

123 50.7 39.2 58.8

65 14.5 11.6 17.4

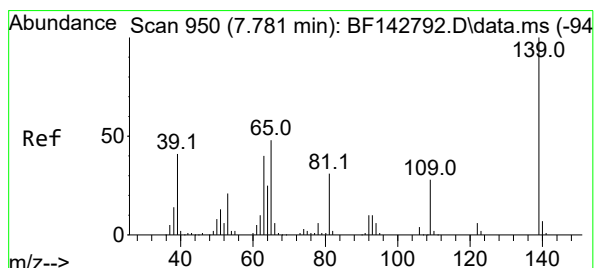
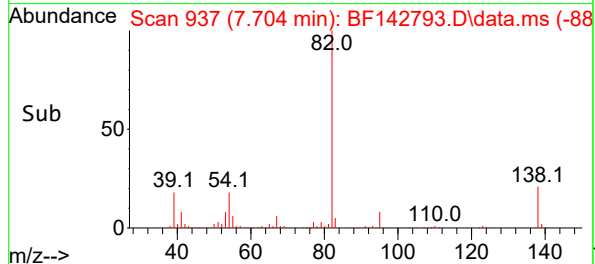
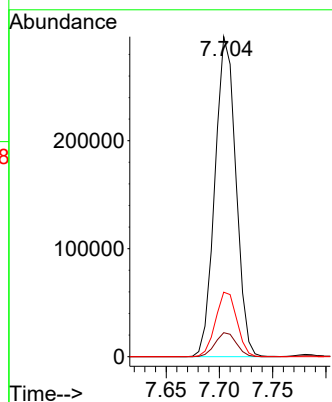
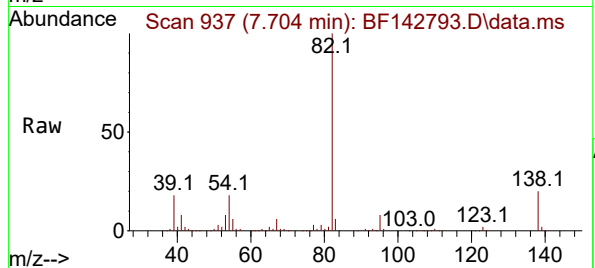




#25
Isophorone
Concen: 50.334 ng
RT: 7.704 min Scan# 91
Delta R.T. -0.000 min
Lab File: BF142793.D
Acq: 19 Jun 2025 19:40

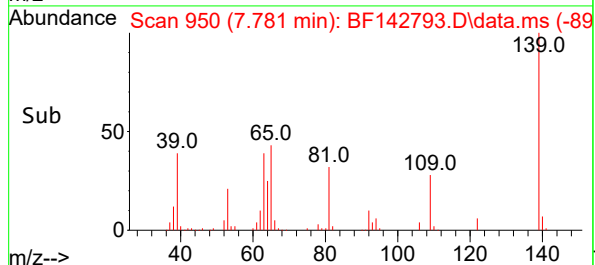
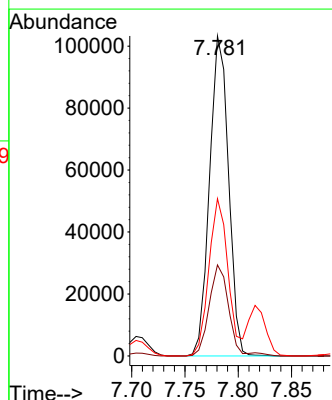
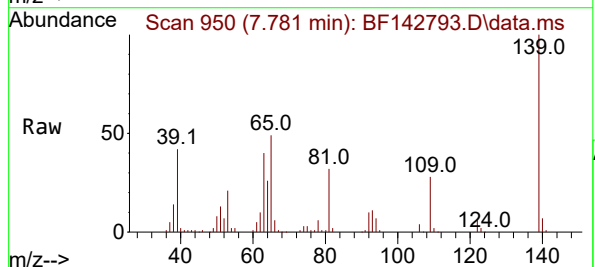
Instrument :
BNA_F
ClientSampleId :
SSTDICC050

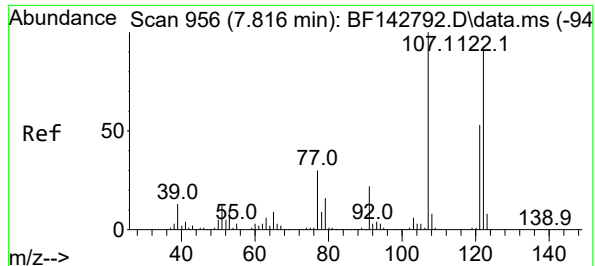
Tgt Ion: 82 Resp: 404886
Ion Ratio Lower Upper
82 100
95 7.5 6.2 9.2
138 20.2 16.2 24.4



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

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





#27

2,4-Dimethylphenol

Concen: 53.466 ng

RT: 7.816 min Scan# 91

Delta R.T. -0.000 min

Lab File: BF142793.D

Acq: 19 Jun 2025 19:40

Instrument :

BNA_F

ClientSampleId :

SSTDICC050

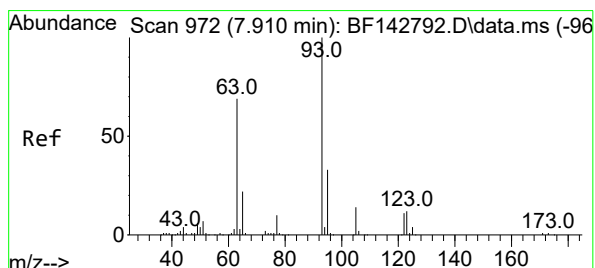
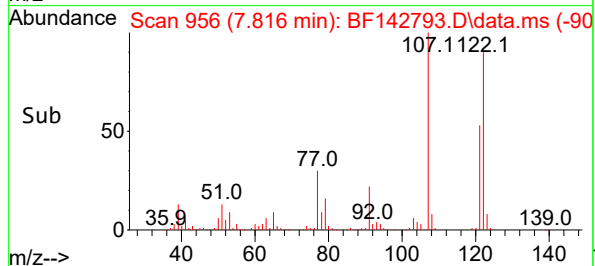
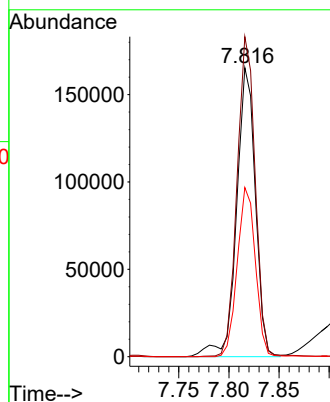
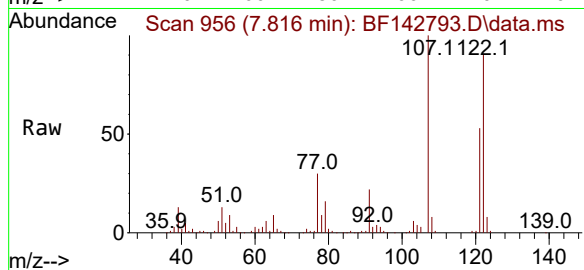
Tgt Ion:122 Resp: 216204

Ion Ratio Lower Upper

122 100

107 110.8 88.0 132.0

121 58.5 46.3 69.5



#28

bis(2-Chloroethoxy)methane

Concen: 51.148 ng

RT: 7.916 min Scan# 973

Delta R.T. 0.006 min

Lab File: BF142793.D

Acq: 19 Jun 2025 19:40

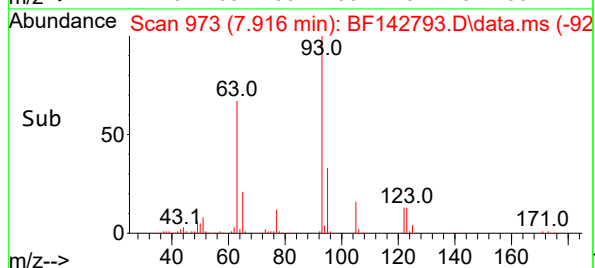
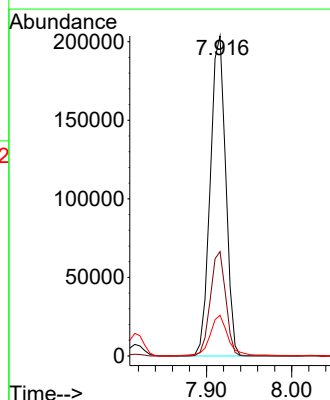
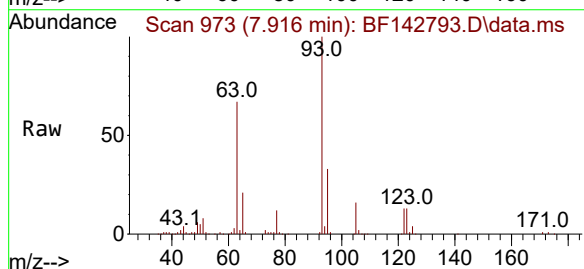
Tgt Ion: 93 Resp: 256119

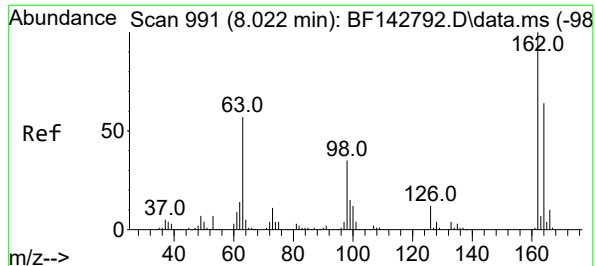
Ion Ratio Lower Upper

93 100

95 32.6 26.2 39.2

123 12.7 9.9 14.9





#29

2,4-Dichlorophenol

Concen: 52.478 ng

RT: 8.022 min Scan# 991

Delta R.T. -0.000 min

Lab File: BF142793.D

Acq: 19 Jun 2025 19:40

Instrument :

BNA_F

ClientSampleId :

SSTDICC050

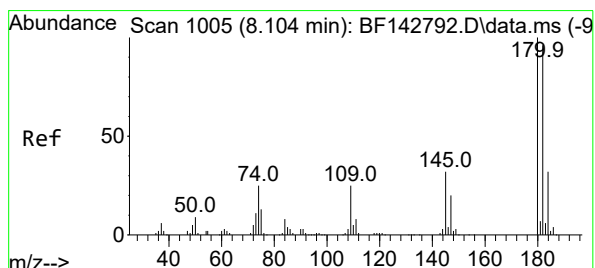
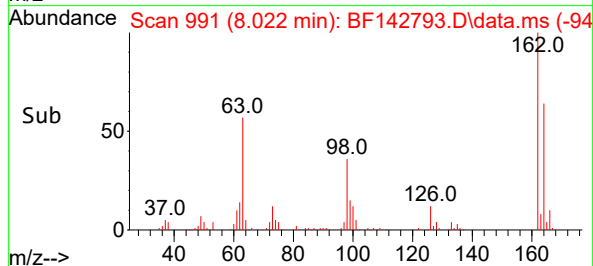
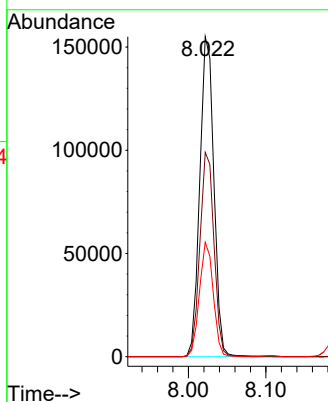
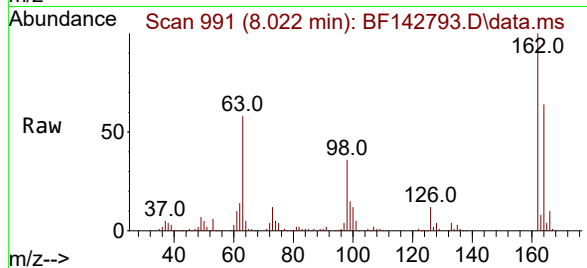
Tgt Ion:162 Resp: 195589

Ion Ratio Lower Upper

162 100

164 63.8 44.0 84.0

98 35.8 15.4 55.4



#30

1,2,4-Trichlorobenzene

Concen: 51.763 ng

RT: 8.104 min Scan# 1005

Delta R.T. -0.000 min

Lab File: BF142793.D

Acq: 19 Jun 2025 19:40

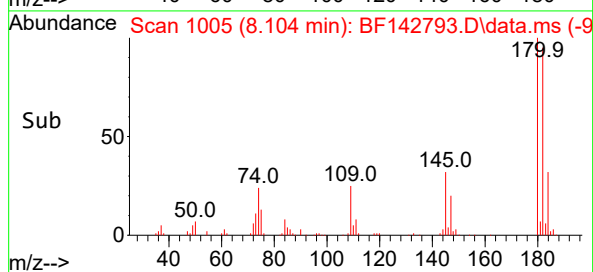
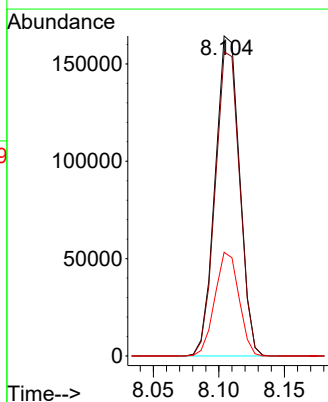
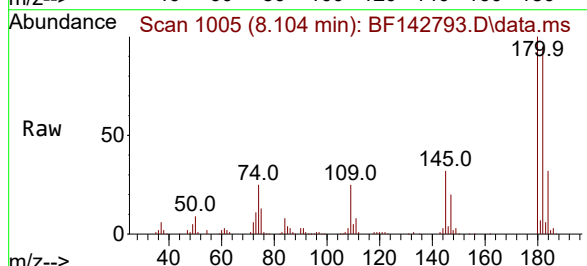
Tgt Ion:180 Resp: 213118

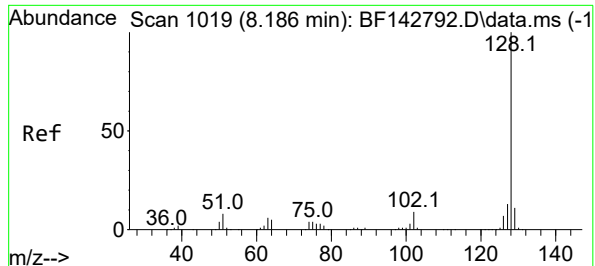
Ion Ratio Lower Upper

180 100

182 95.1 76.4 114.6

145 32.4 25.8 38.8





#31

Naphthalene

Concen: 51.717 ng

RT: 8.186 min Scan# 1019

Delta R.T. -0.000 min

Lab File: BF142793.D

Acq: 19 Jun 2025 19:40

Instrument :

BNA_F

ClientSampleId :

SSTDICC050

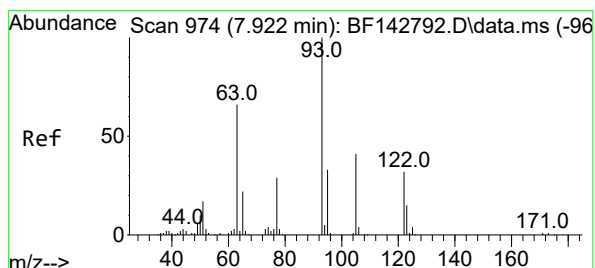
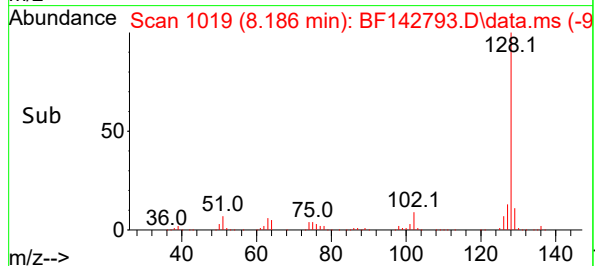
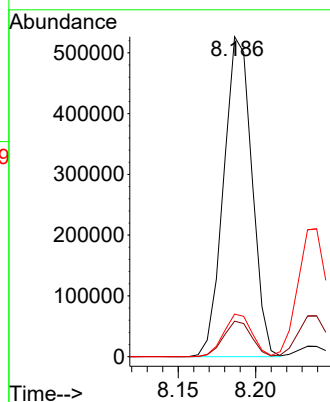
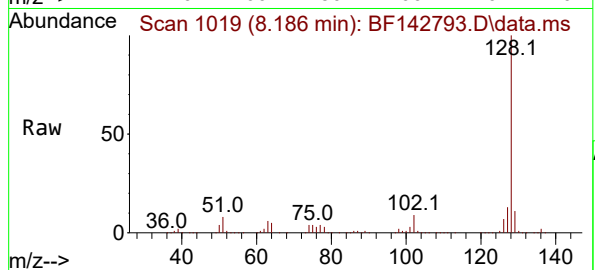
Tgt Ion:128 Resp: 668713

Ion Ratio Lower Upper

128 100

129 11.1 8.9 13.3

127 13.3 10.4 15.6



#32

Benzoic acid

Concen: 53.128 ng

RT: 7.933 min Scan# 976

Delta R.T. 0.012 min

Lab File: BF142793.D

Acq: 19 Jun 2025 19:40

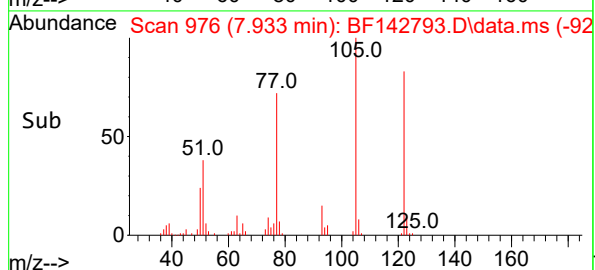
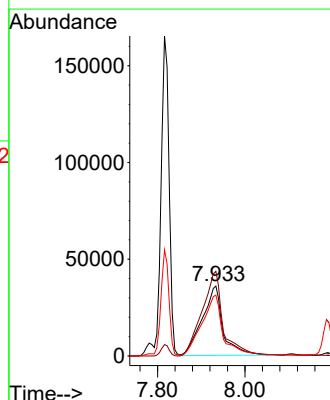
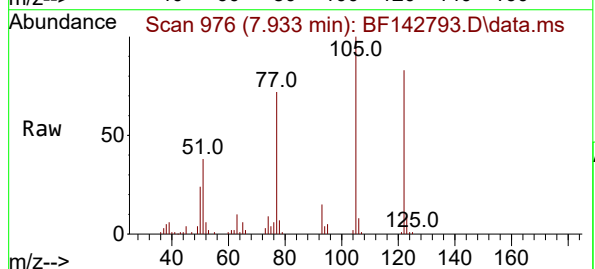
Tgt Ion:122 Resp: 119196

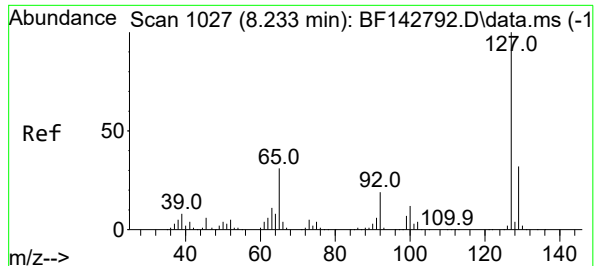
Ion Ratio Lower Upper

122 100

105 121.1 104.7 144.7

77 87.0 70.2 110.2





#33

4-Chloroaniline

Concen: 53.347 ng

RT: 8.239 min Scan# 1028

Delta R.T. 0.006 min

Lab File: BF142793.D

Acq: 19 Jun 2025 19:40

Instrument :

BNA_F

ClientSampleId :

SSTDICC050

Tgt Ion:127 Resp: 276441

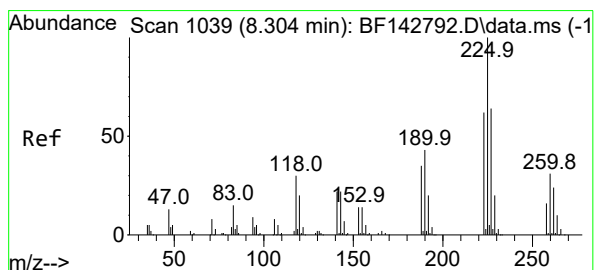
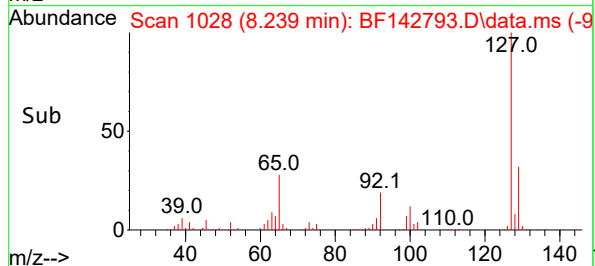
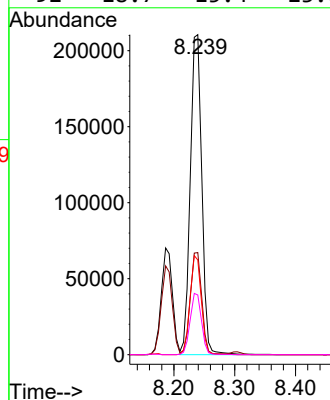
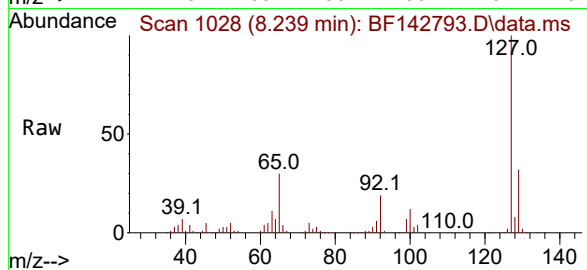
Ion Ratio Lower Upper

127 100

129 31.9 25.9 38.9

65 29.6 24.6 36.8

92 18.7 15.4 23.0



#34

Hexachlorobutadiene

Concen: 50.481 ng

RT: 8.304 min Scan# 1039

Delta R.T. -0.000 min

Lab File: BF142793.D

Acq: 19 Jun 2025 19:40

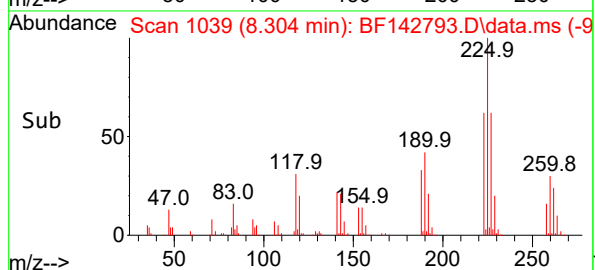
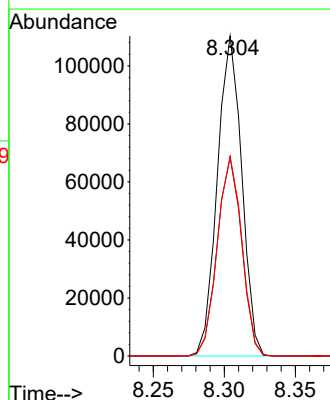
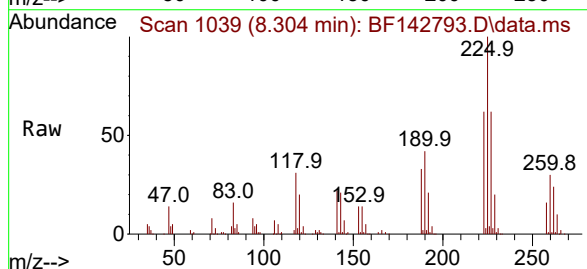
Tgt Ion:225 Resp: 131697

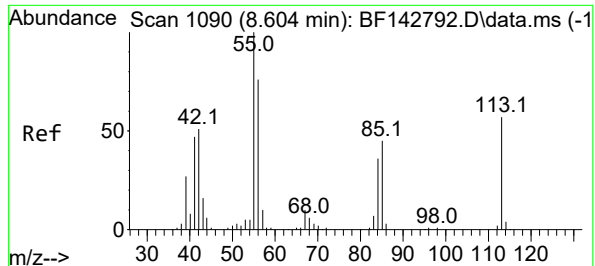
Ion Ratio Lower Upper

225 100

223 62.0 49.9 74.9

227 62.4 51.4 77.0

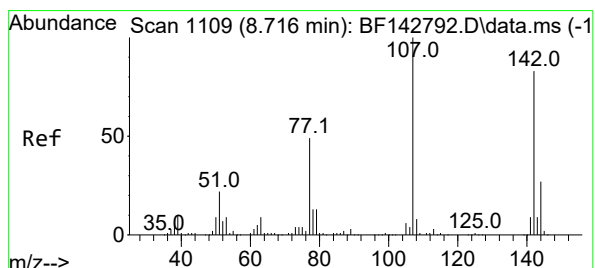
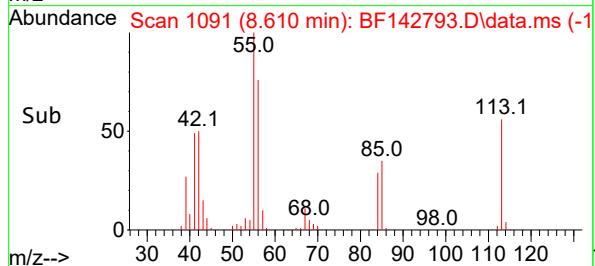
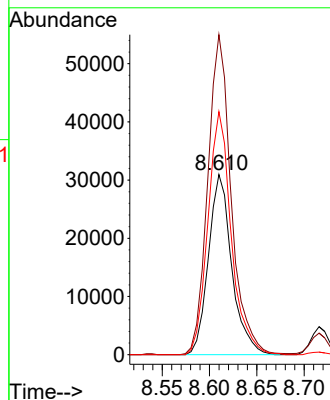
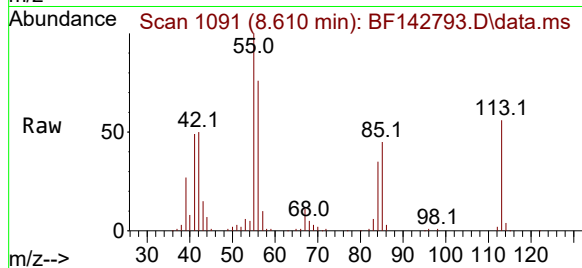




#35
Caprolactam
Concen: 52.873 ng
RT: 8.610 min Scan# 1091
Delta R.T. 0.006 min
Lab File: BF142793.D
Acq: 19 Jun 2025 19:40

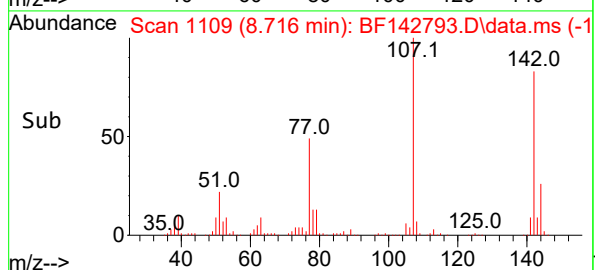
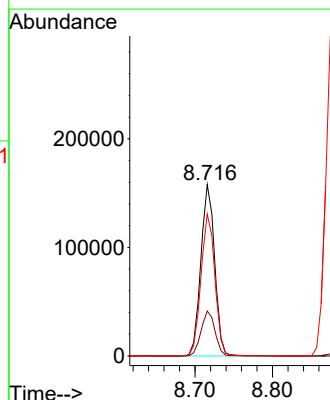
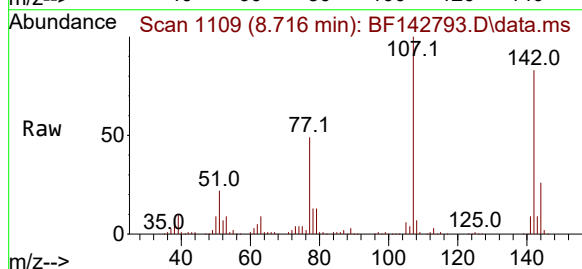
Instrument :
BNA_F
ClientSampleId :
SSTDICC050

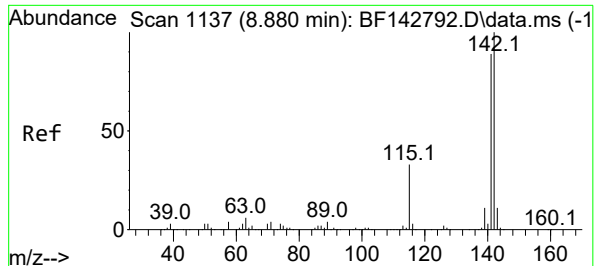
Tgt Ion:113 Resp: 53024
Ion Ratio Lower Upper
113 100
55 177.6 154.4 194.4
56 134.9 112.1 152.1



#36
4-Chloro-3-methylphenol
Concen: 50.843 ng
RT: 8.716 min Scan# 1109
Delta R.T. -0.000 min
Lab File: BF142793.D
Acq: 19 Jun 2025 19:40

Tgt Ion:107 Resp: 195744
Ion Ratio Lower Upper
107 100
144 26.3 21.3 31.9
142 82.9 66.6 100.0

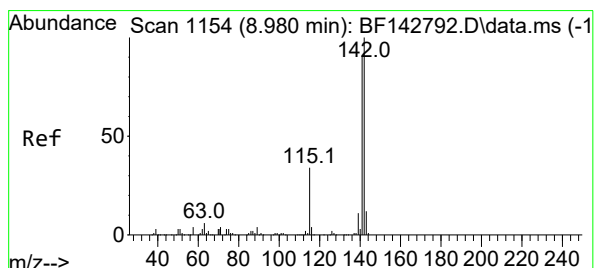
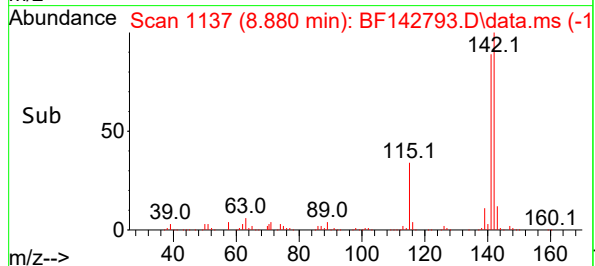
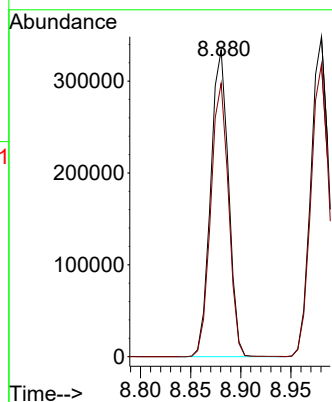
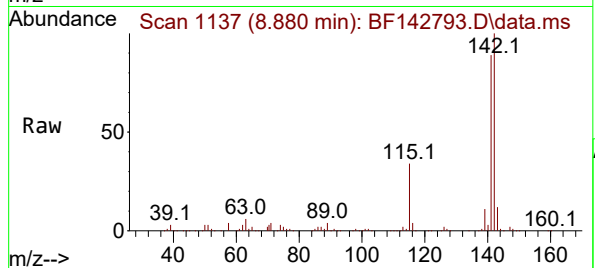




#37
2-Methylnaphthalene
Concen: 50.859 ng
RT: 8.880 min Scan# 1137
Delta R.T. -0.000 min
Lab File: BF142793.D
Acq: 19 Jun 2025 19:40

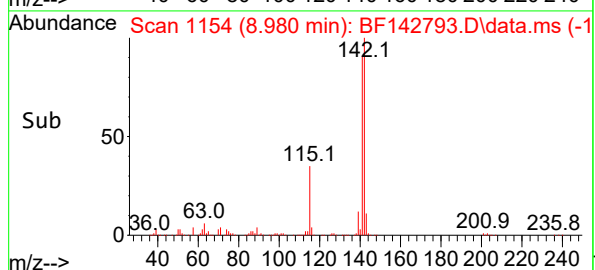
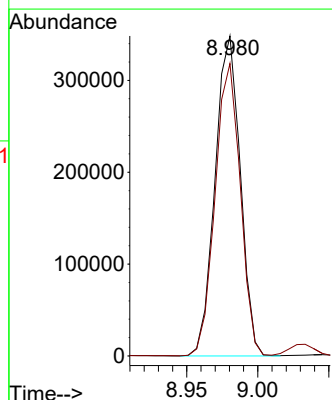
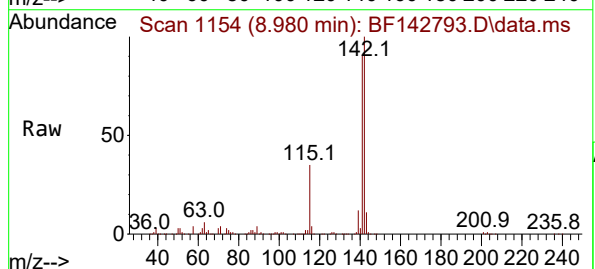
Instrument :
BNA_F
ClientSampleId :
SSTDICC050

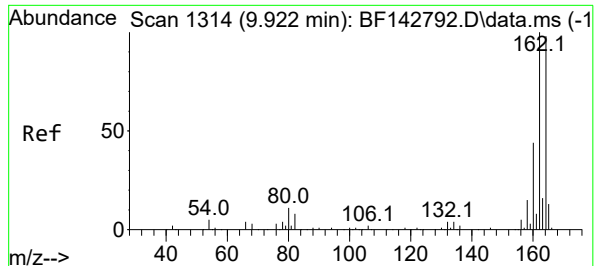
Tgt Ion:142 Resp: 414854
Ion Ratio Lower Upper
142 100
141 89.1 70.9 106.3



#38
1-Methylnaphthalene
Concen: 50.792 ng
RT: 8.980 min Scan# 1154
Delta R.T. -0.000 min
Lab File: BF142793.D
Acq: 19 Jun 2025 19:40

Tgt Ion:142 Resp: 430144
Ion Ratio Lower Upper
142 100
141 91.4 73.0 109.4





#39

Acenaphthene-d10

Concen: 20.000 ng

RT: 9.922 min Scan# 1165

Delta R.T. -0.000 min

Lab File: BF142793.D

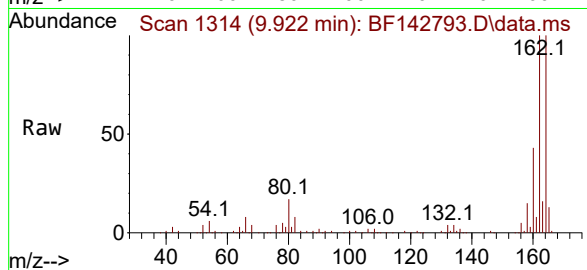
Acq: 19 Jun 2025 19:40

Instrument :

BNA_F

ClientSampleId :

SSTDICC050



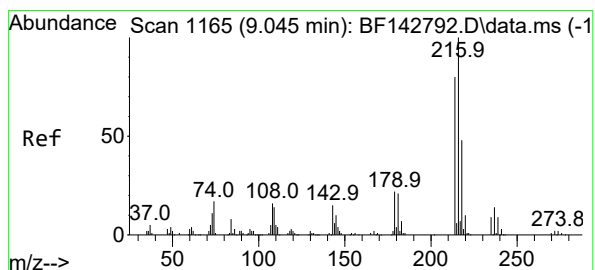
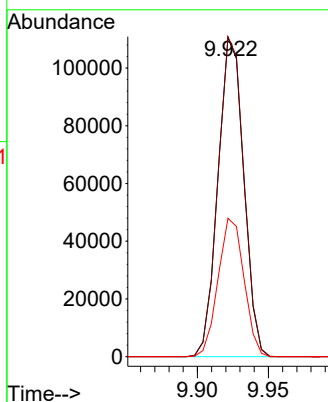
Tgt Ion:164 Resp: 139156

Ion Ratio Lower Upper

164 100

162 100.3 81.8 122.8

160 43.4 36.0 54.0



#40

1,2,4,5-Tetrachlorobenzene

Concen: 51.779 ng

RT: 9.045 min Scan# 1165

Delta R.T. -0.000 min

Lab File: BF142793.D

Acq: 19 Jun 2025 19:40

Tgt Ion:216 Resp: 207997

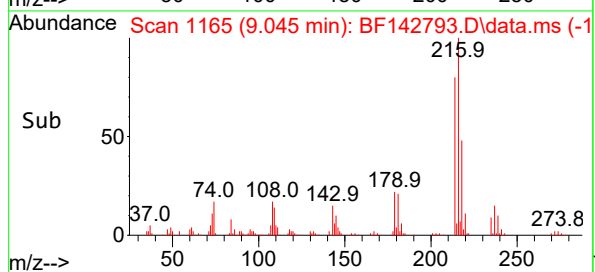
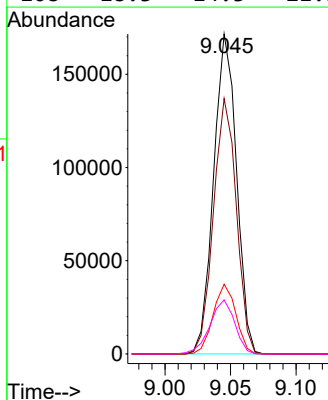
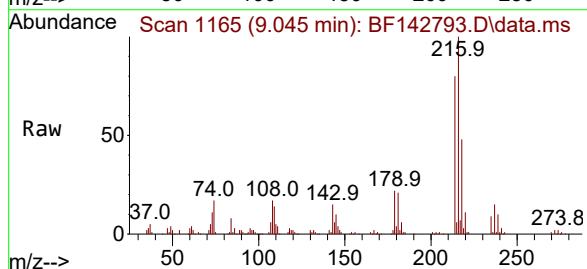
Ion Ratio Lower Upper

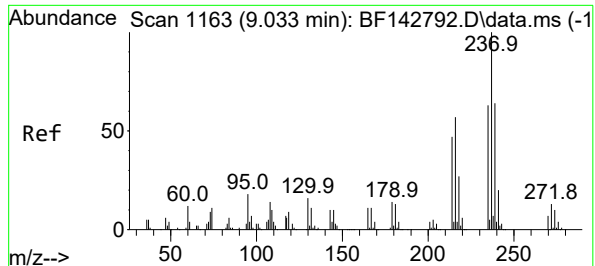
216 100

214 79.7 63.7 95.5

179 21.6 17.6 26.4

108 18.3 14.3 21.5

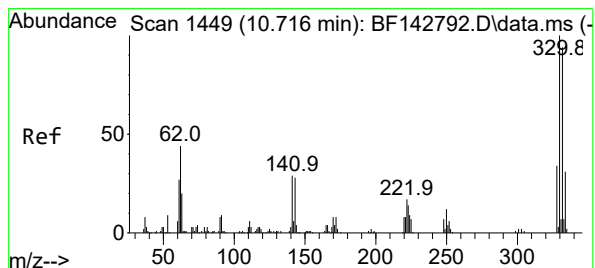
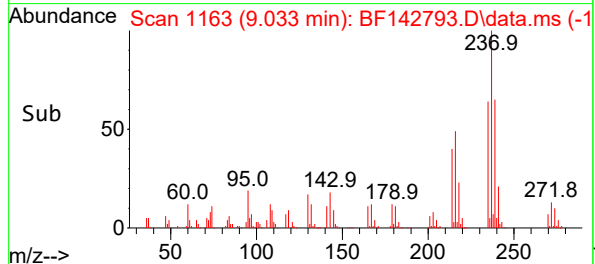
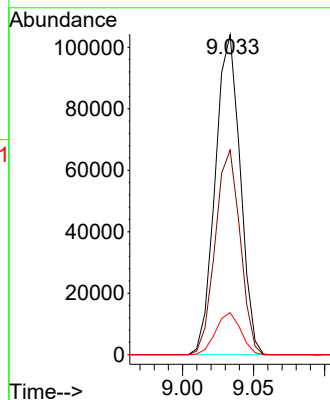
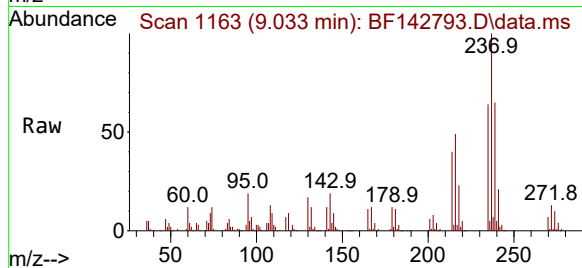




#41
Hexachlorocyclopentadiene
Concen: 50.012 ng
RT: 9.033 min Scan# 1163
Delta R.T. -0.000 min
Lab File: BF142793.D
Acq: 19 Jun 2025 19:40

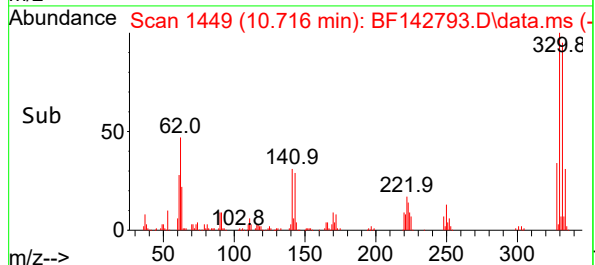
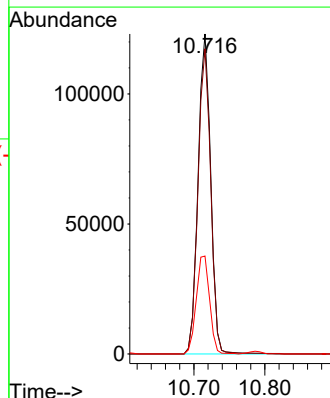
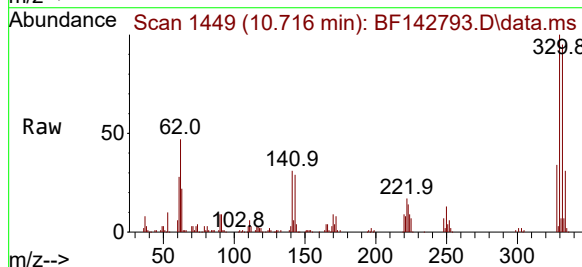
Instrument :
BNA_F
ClientSampleId :
SSTDICC050

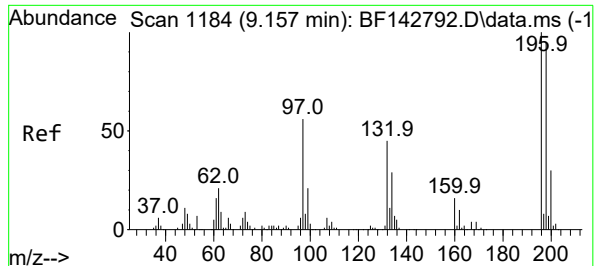
Tgt Ion:237 Resp: 127033
Ion Ratio Lower Upper
237 100
235 64.0 43.4 83.4
272 13.2 0.0 32.7



#42
2,4,6-Tribromophenol
Concen: 100.743 ng
RT: 10.716 min Scan# 1449
Delta R.T. -0.000 min
Lab File: BF142793.D
Acq: 19 Jun 2025 19:40

Tgt Ion:330 Resp: 152358
Ion Ratio Lower Upper
330 100
332 96.1 75.0 112.6
141 32.3 25.3 37.9





#43

2,4,6-Trichlorophenol

Concen: 54.597 ng

RT: 9.157 min Scan# 1184

Delta R.T. -0.000 min

Lab File: BF142793.D

Acq: 19 Jun 2025 19:40

Instrument :

BNA_F

ClientSampleId :

SSTDICC050

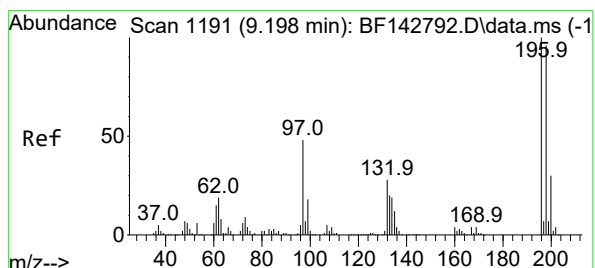
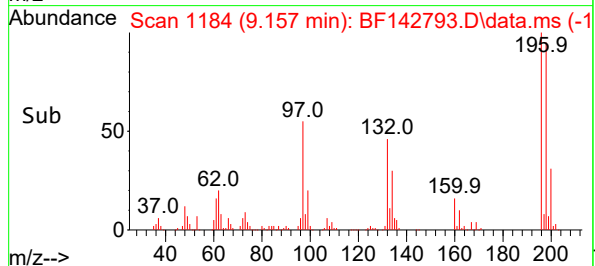
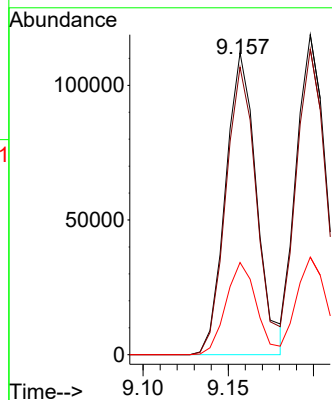
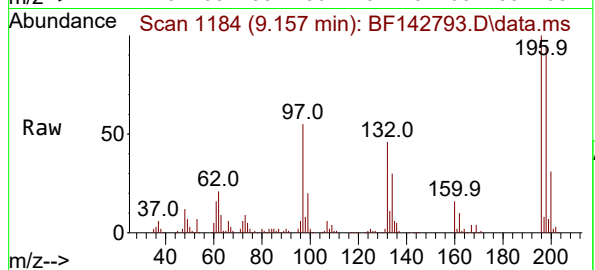
Tgt Ion:196 Resp: 141932

Ion Ratio Lower Upper

196 100

198 95.2 76.2 114.2

200 30.5 24.1 36.1



#44

2,4,5-Trichlorophenol

Concen: 51.550 ng

RT: 9.198 min Scan# 1191

Delta R.T. -0.000 min

Lab File: BF142793.D

Acq: 19 Jun 2025 19:40

Tgt Ion:196 Resp: 144717

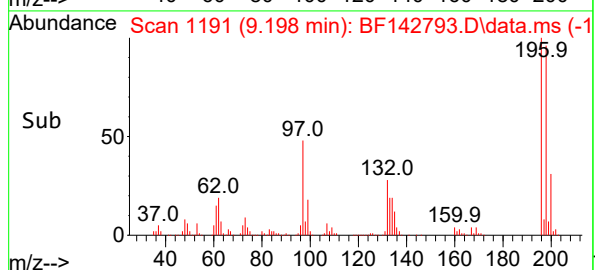
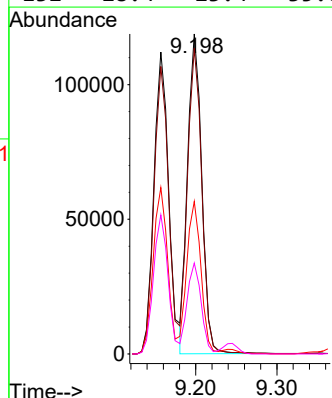
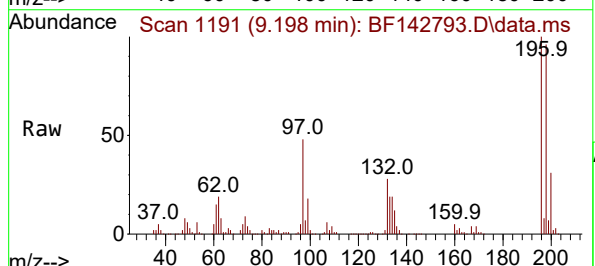
Ion Ratio Lower Upper

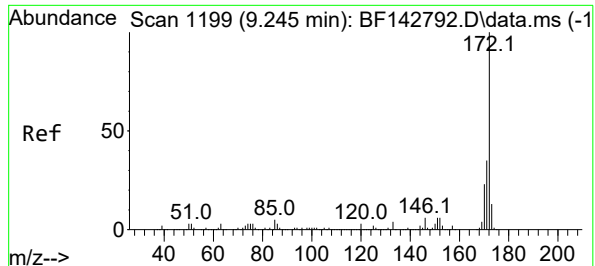
196 100

198 95.5 76.6 115.0

97 47.7 38.2 57.2

132 28.4 23.4 35.0





#45

2-Fluorobiphenyl

Concen: 99.755 ng

RT: 9.245 min Scan# 1199

Delta R.T. -0.000 min

Lab File: BF142793.D

Acq: 19 Jun 2025 19:40

Instrument :

BNA_F

ClientSampleId :

SSTDICC050

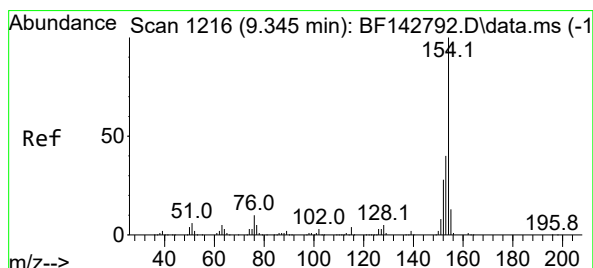
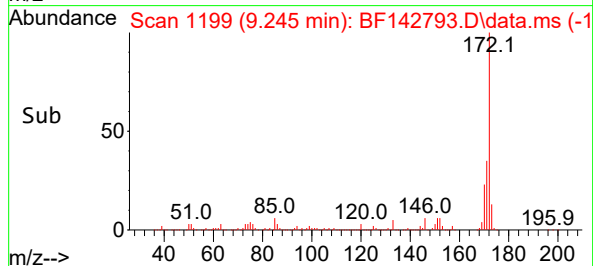
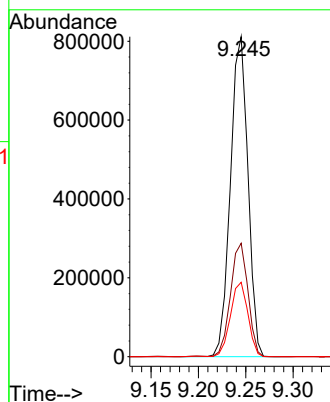
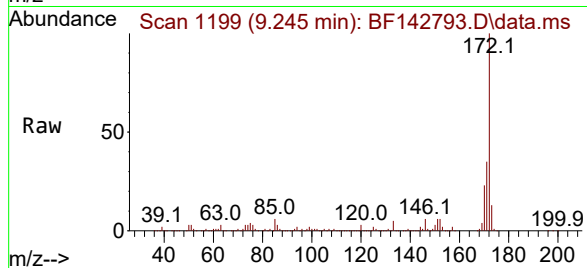
Tgt Ion:172 Resp: 1043477

Ion Ratio Lower Upper

172 100

171 35.5 28.2 42.4

170 23.3 18.5 27.7



#46

1,1'-Biphenyl

Concen: 51.807 ng

RT: 9.345 min Scan# 1216

Delta R.T. -0.000 min

Lab File: BF142793.D

Acq: 19 Jun 2025 19:40

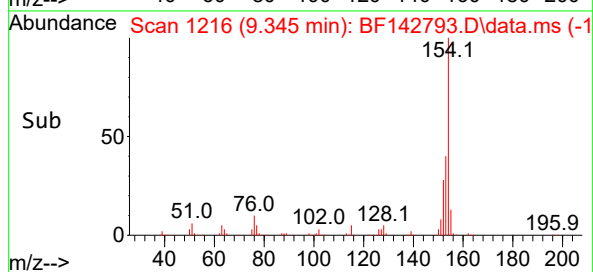
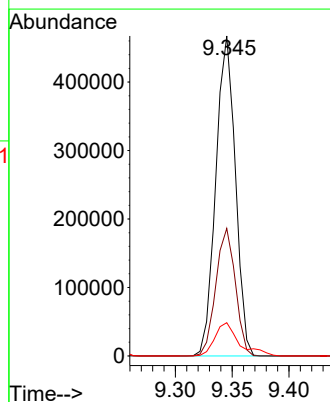
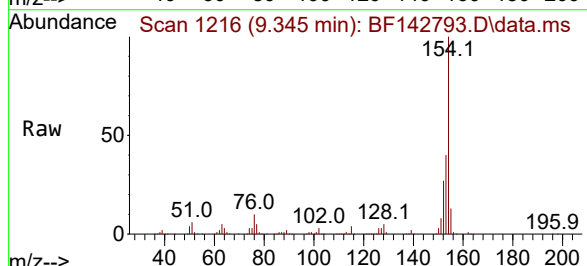
Tgt Ion:154 Resp: 559765

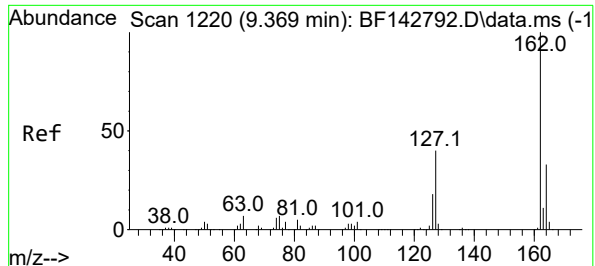
Ion Ratio Lower Upper

154 100

153 39.8 20.3 60.3

76 10.4 0.0 30.3





#47

2-Chloronaphthalene

Concen: 52.754 ng

RT: 9.369 min Scan# 1220

Delta R.T. -0.000 min

Lab File: BF142793.D

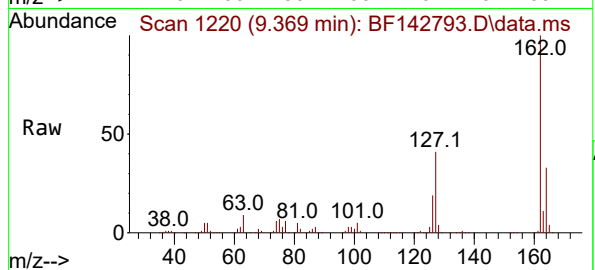
Acq: 19 Jun 2025 19:40

Instrument :

BNA_F

ClientSampleId :

SSTDICC050



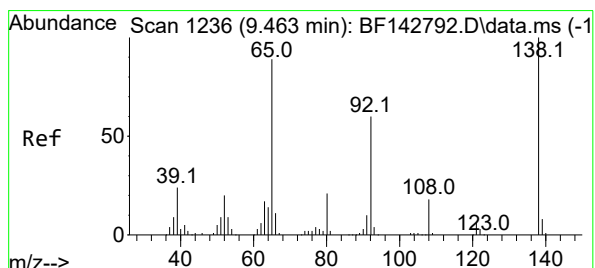
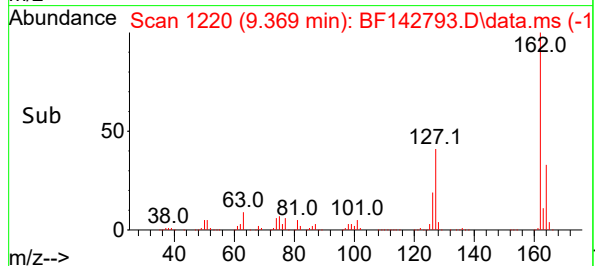
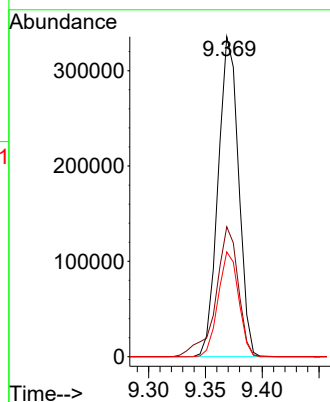
Tgt Ion:162 Resp: 420603

Ion Ratio Lower Upper

162 100

127 40.6 32.2 48.2

164 32.7 26.1 39.1



#48

2-Nitroaniline

Concen: 54.955 ng

RT: 9.463 min Scan# 1236

Delta R.T. -0.000 min

Lab File: BF142793.D

Acq: 19 Jun 2025 19:40

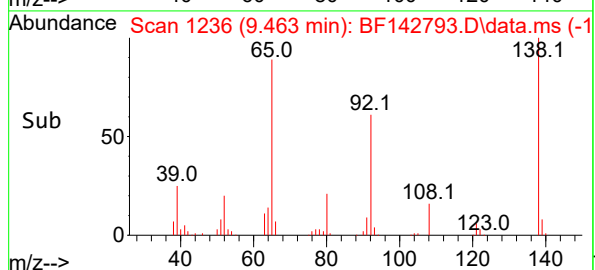
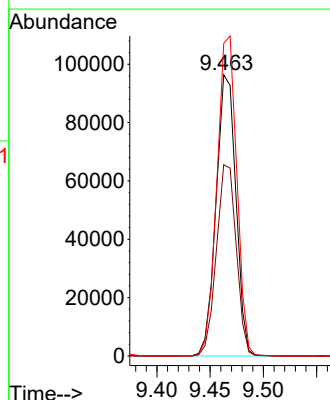
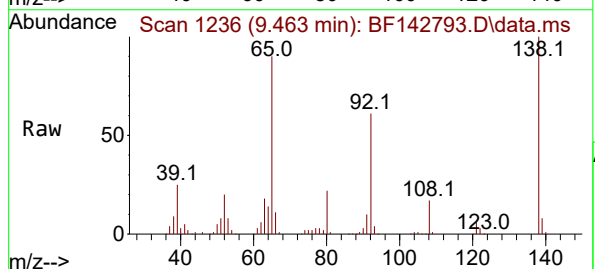
Tgt Ion: 65 Resp: 124478

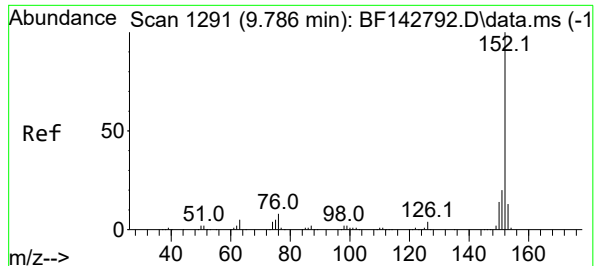
Ion Ratio Lower Upper

65 100

92 68.0 53.8 80.6

138 111.1 89.6 134.4





#49

Acenaphthylene

Concen: 51.783 ng

RT: 9.786 min Scan# 1291

Delta R.T. -0.000 min

Lab File: BF142793.D

Acq: 19 Jun 2025 19:40

Instrument :

BNA_F

ClientSampleId :

SSTDICC050

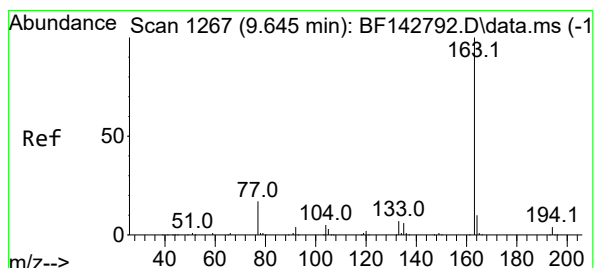
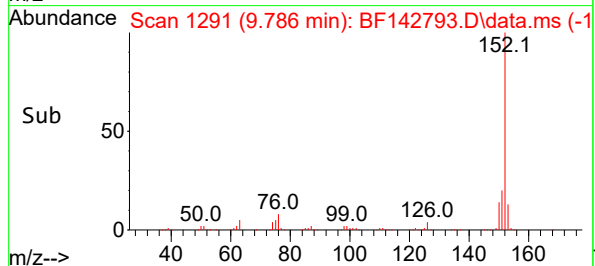
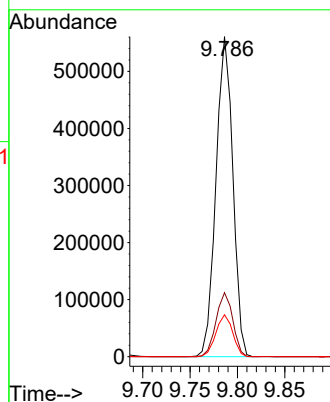
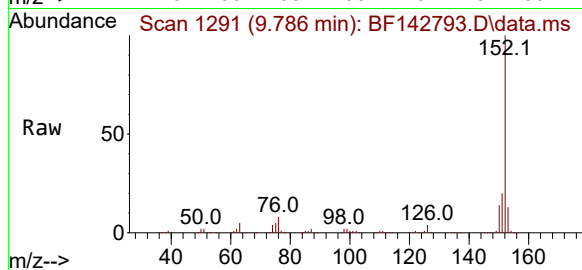
Tgt Ion:152 Resp: 694098

Ion Ratio Lower Upper

152 100

151 20.0 16.1 24.1

153 13.1 10.4 15.6



#50

Dimethylphthalate

Concen: 50.308 ng

RT: 9.645 min Scan# 1267

Delta R.T. -0.000 min

Lab File: BF142793.D

Acq: 19 Jun 2025 19:40

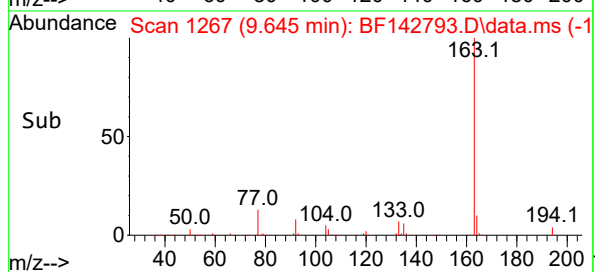
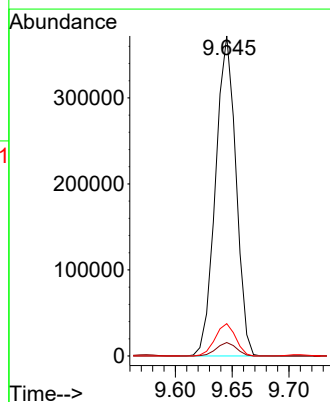
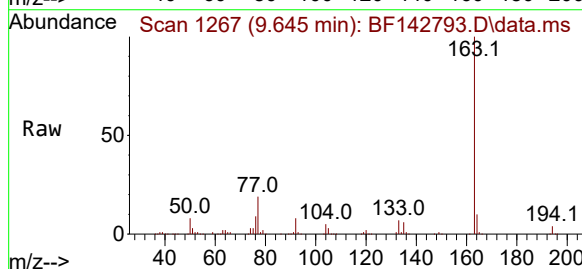
Tgt Ion:163 Resp: 464372

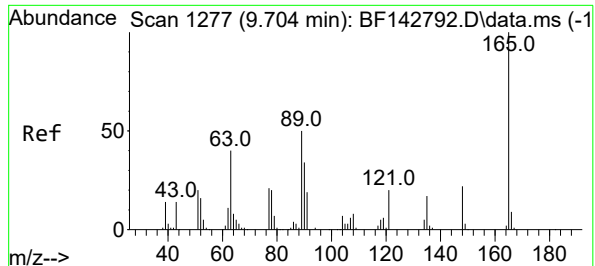
Ion Ratio Lower Upper

163 100

194 4.2 3.3 4.9

164 10.1 8.0 12.0

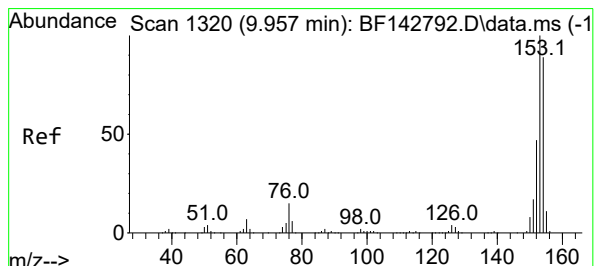
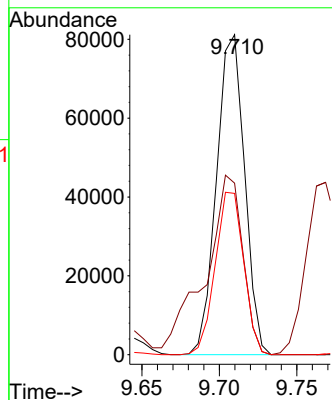
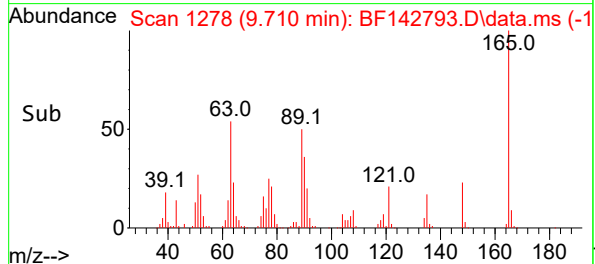
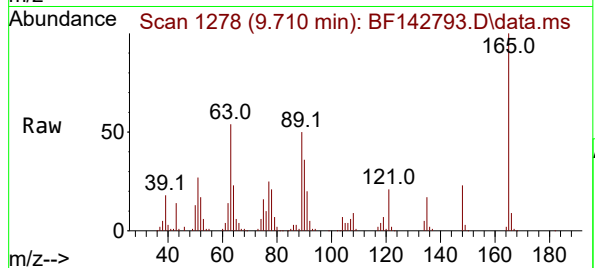




#51
2,6-Dinitrotoluene
Concen: 51.156 ng
RT: 9.710 min Scan# 1277
Delta R.T. 0.006 min
Lab File: BF142793.D
Acq: 19 Jun 2025 19:40

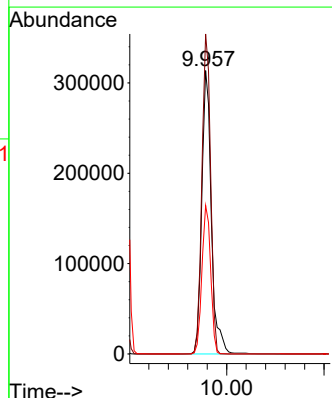
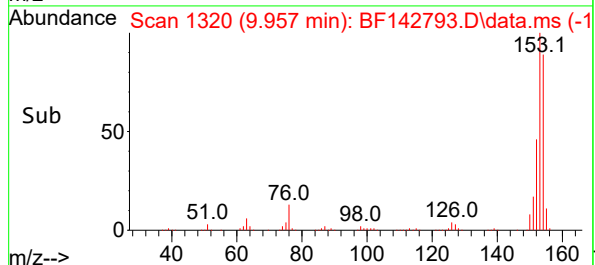
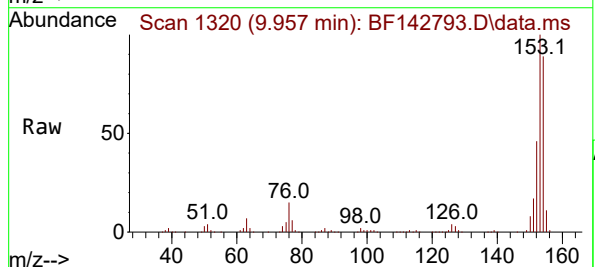
Instrument :
BNA_F
ClientSampleId :
SSTDICC050

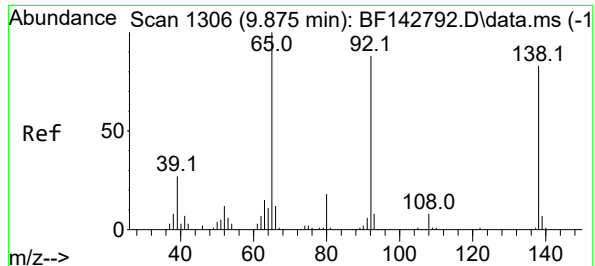
Tgt Ion:165 Resp: 102361
Ion Ratio Lower Upper
165 100
63 53.6 44.2 66.4
89 50.4 39.8 59.8



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

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





#53

3-Nitroaniline

Concen: 54.038 ng

RT: 9.874 min Scan# 11

Delta R.T. -0.000 min

Lab File: BF142793.D

Acq: 19 Jun 2025 19:40

Instrument :

BNA_F

ClientSampleId :

SSTDICC050

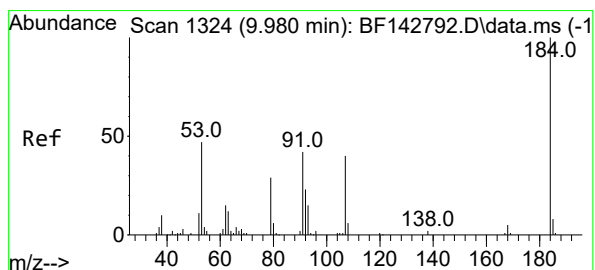
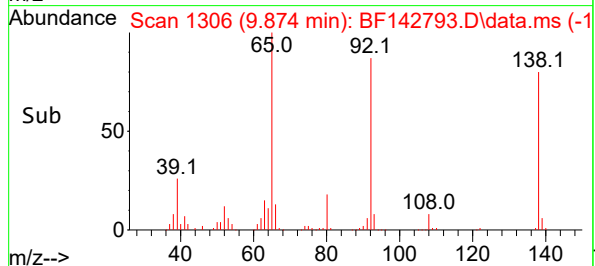
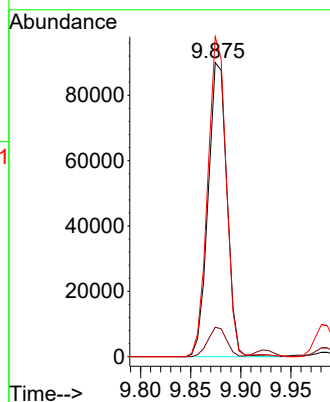
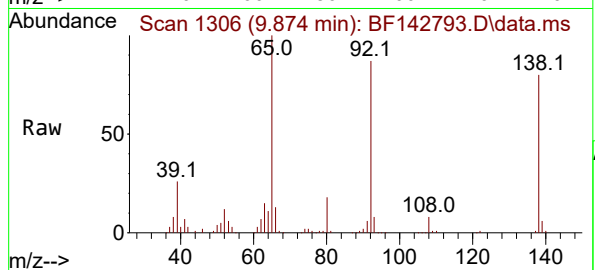
Tgt Ion:138 Resp: 117448

Ion Ratio Lower Upper

138 100

108 10.0 8.1 12.1

92 108.8 85.1 127.7



#54

2,4-Dinitrophenol

Concen: 55.696 ng

RT: 9.986 min Scan# 1325

Delta R.T. 0.006 min

Lab File: BF142793.D

Acq: 19 Jun 2025 19:40

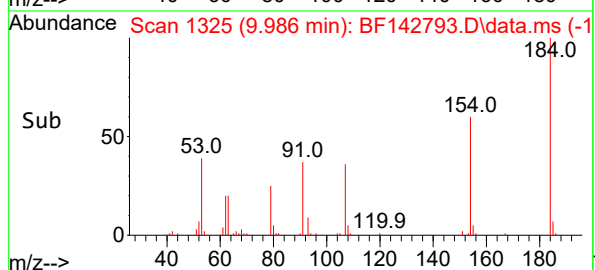
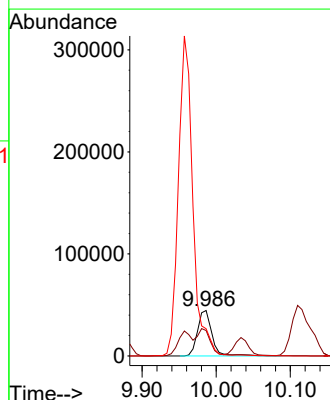
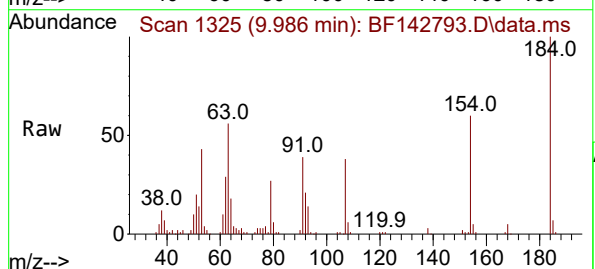
Tgt Ion:184 Resp: 60308

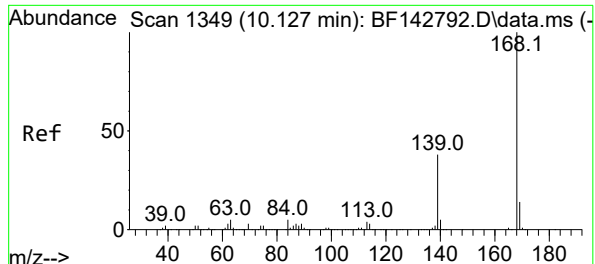
Ion Ratio Lower Upper

184 100

63 56.0 50.6 75.8

154 59.9 51.8 77.8

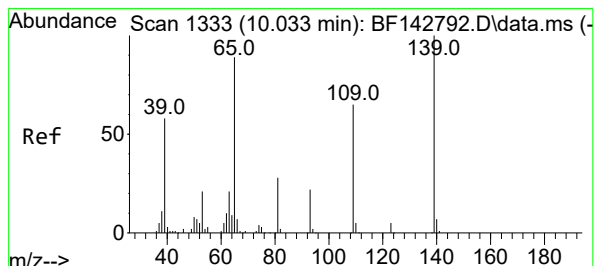
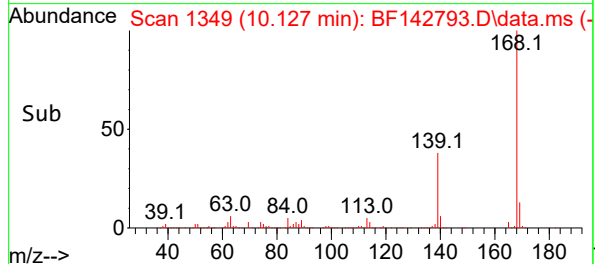
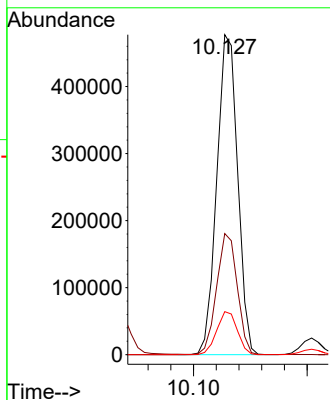
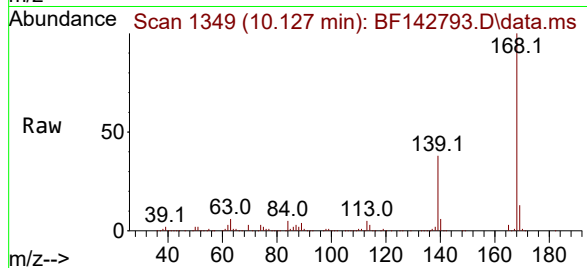




#55
Dibenzofuran
Concen: 51.506 ng
RT: 10.127 min Scan# 1349
Delta R.T. -0.000 min
Lab File: BF142793.D
Acq: 19 Jun 2025 19:40

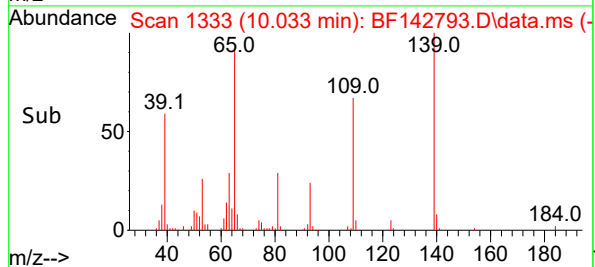
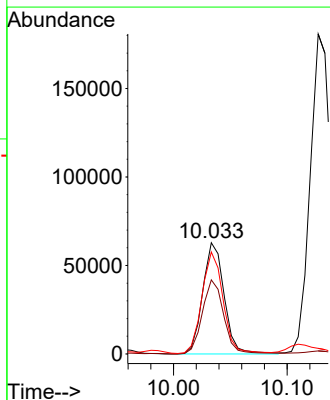
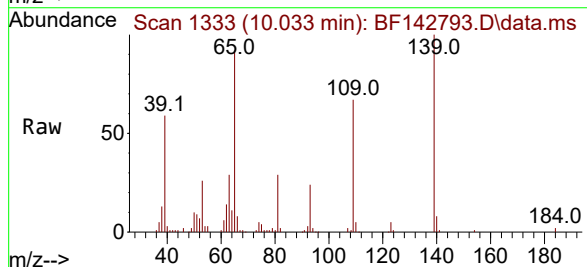
Instrument :
BNA_F
ClientSampleId :
SSTDICC050

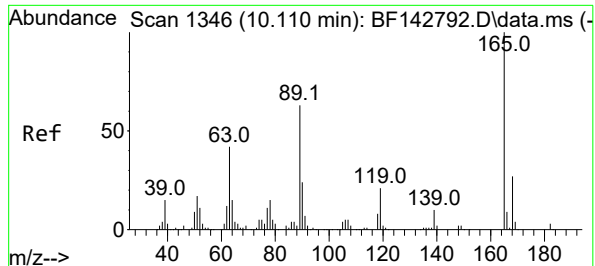
Tgt Ion:168 Resp: 609507
Ion Ratio Lower Upper
168 100
139 37.9 30.2 45.4
169 13.4 10.8 16.2



#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

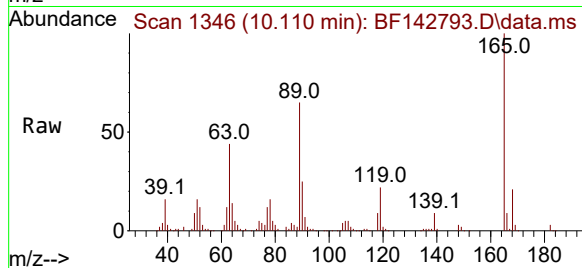
Tgt Ion:139 Resp: 82688
Ion Ratio Lower Upper
139 100
109 66.5 44.7 84.7
65 91.6 69.8 109.8



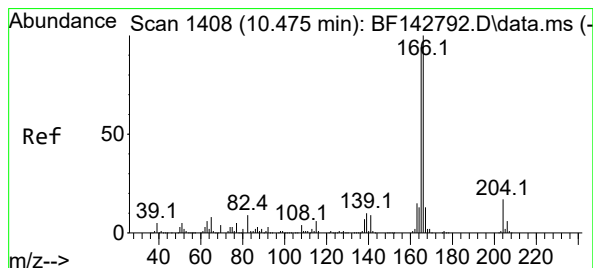
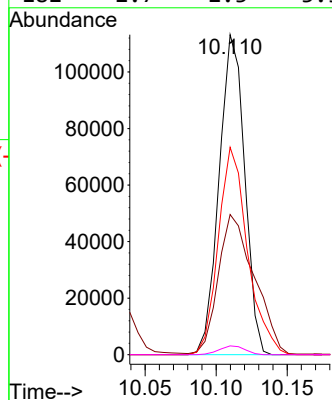
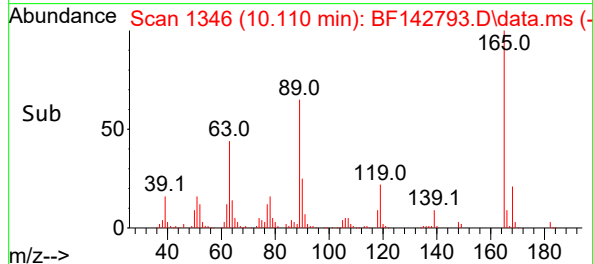


#57
2,4-Dinitrotoluene
Concen: 53.554 ng
RT: 10.110 min Scan# 11
Delta R.T. -0.000 min
Lab File: BF142793.D
Acq: 19 Jun 2025 19:40

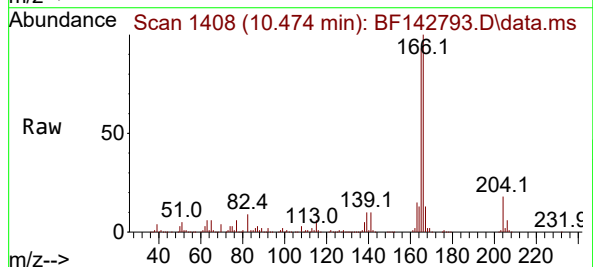
Instrument :
BNA_F
ClientSampleId :
SSTDICC050



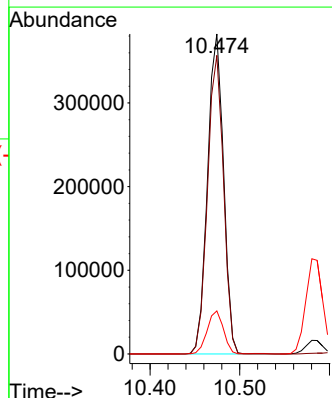
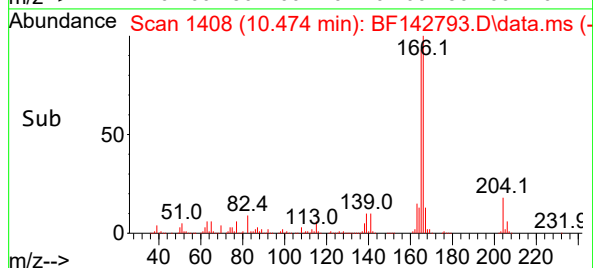
Tgt Ion:165 Resp: 141691
Ion Ratio Lower Upper
165 100
63 43.8 33.9 50.9
89 64.8 50.6 75.8
182 2.7 2.3 3.5

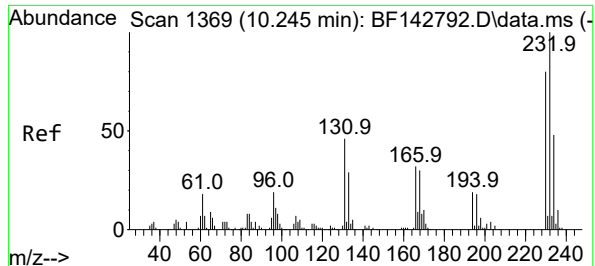


#58
Fluorene
Concen: 50.747 ng
RT: 10.474 min Scan# 1408
Delta R.T. -0.000 min
Lab File: BF142793.D
Acq: 19 Jun 2025 19:40



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

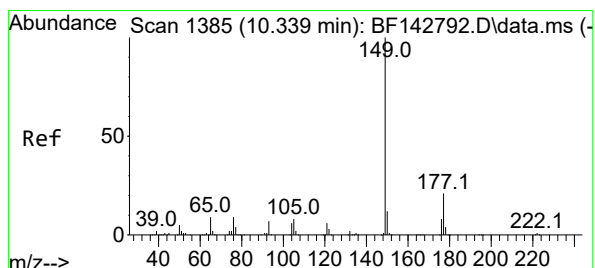
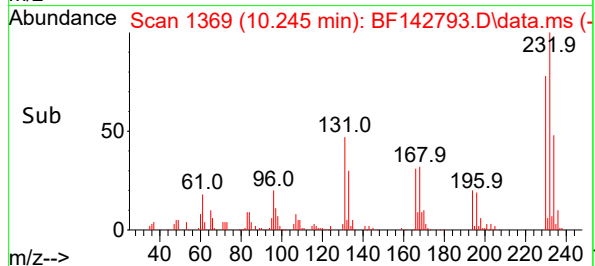
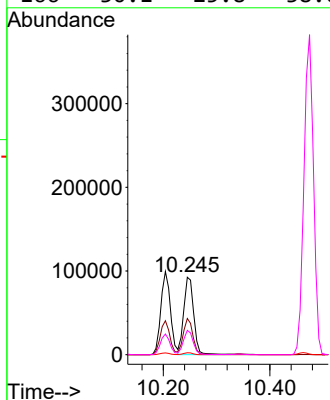
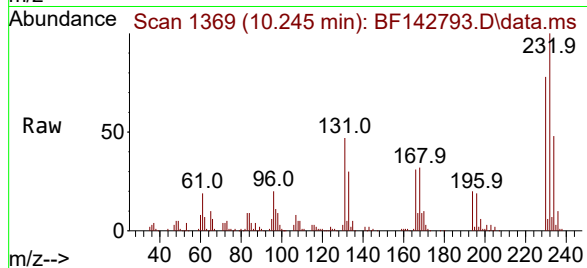




#59
2,3,4,6-Tetrachlorophenol
Concen: 50.988 ng
RT: 10.245 min Scan# 1369
Delta R.T. -0.000 min
Lab File: BF142793.D
Acq: 19 Jun 2025 19:40

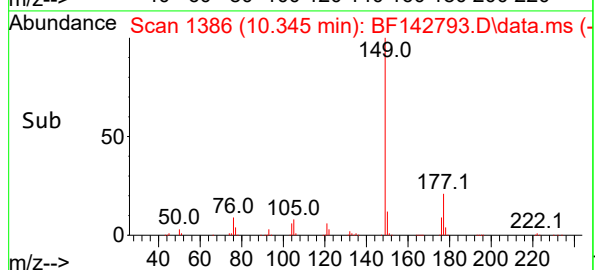
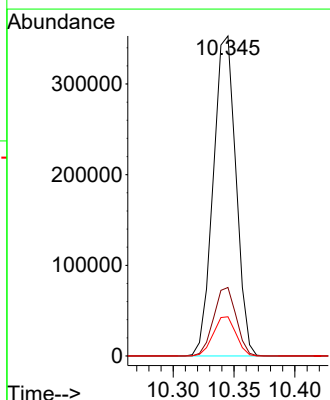
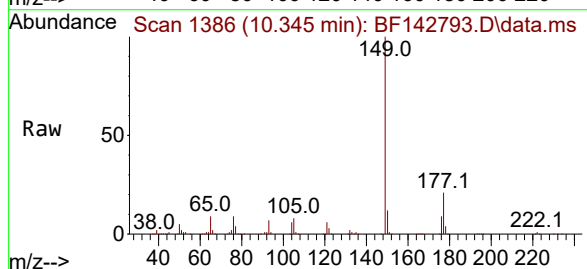
Instrument :
BNA_F
ClientSampleId :
SSTDICC050

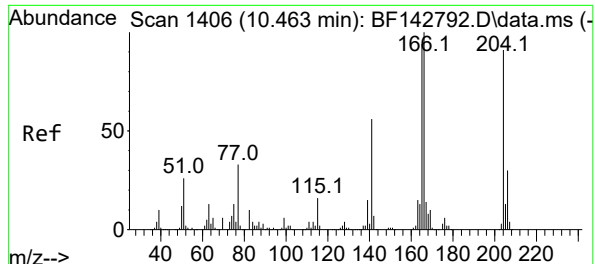
Tgt Ion:232 Resp: 120008
Ion Ratio Lower Upper
232 100
131 44.8 37.6 56.4
130 2.3 1.7 2.5
166 30.1 25.8 38.6



#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

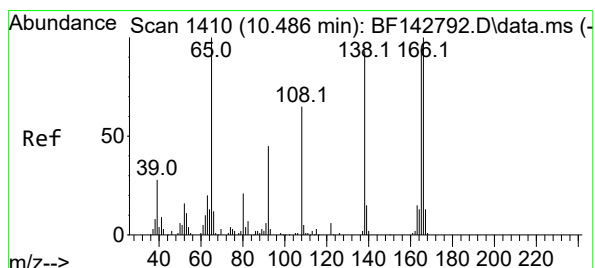
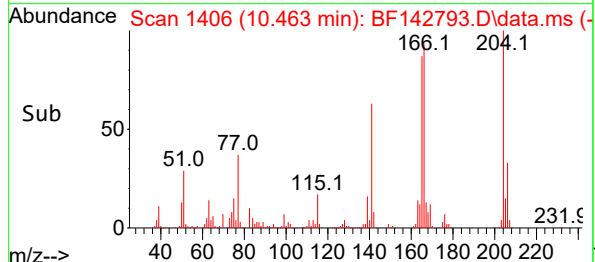
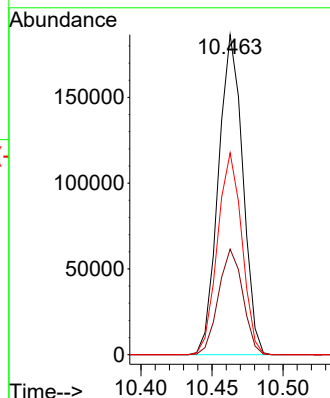
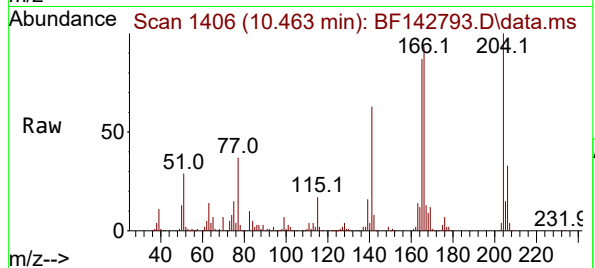




#61
4-Chlorophenyl-phenylether
Concen: 49.076 ng
RT: 10.463 min Scan# 1406
Delta R.T. -0.000 min
Lab File: BF142793.D
Acq: 19 Jun 2025 19:40

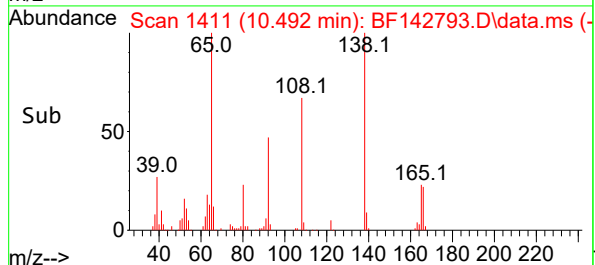
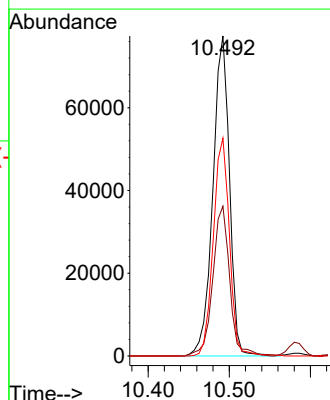
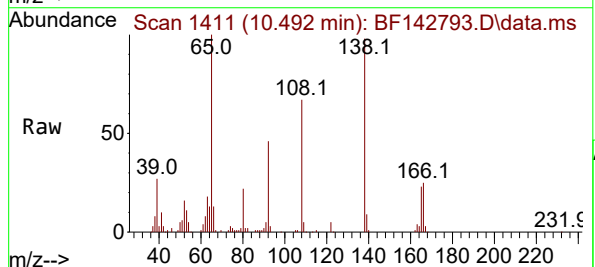
Instrument :
BNA_F
ClientSampleId :
SSTDICC050

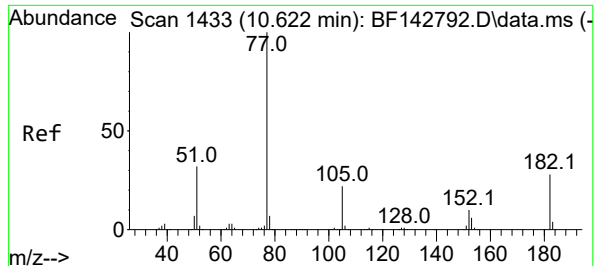
Tgt Ion:204 Resp: 222613
Ion Ratio Lower Upper
204 100
206 33.0 26.3 39.5
141 63.1 49.1 73.7



#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

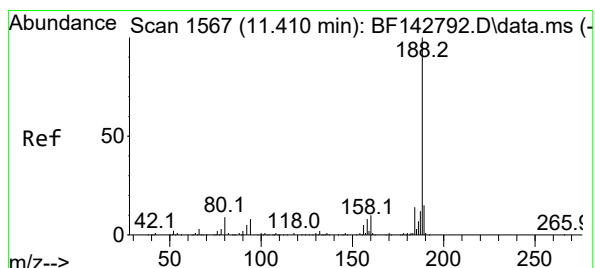
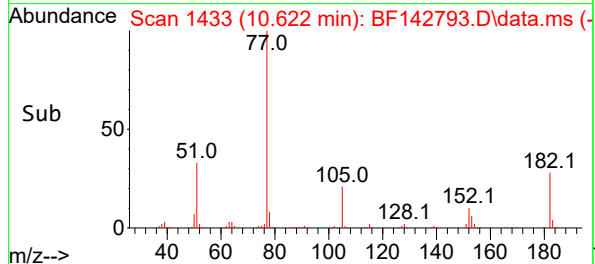
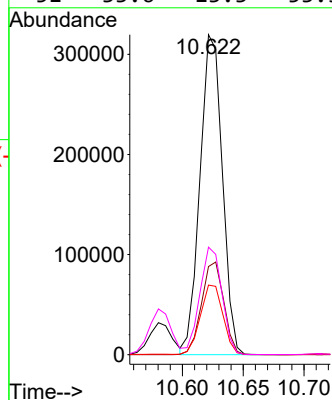
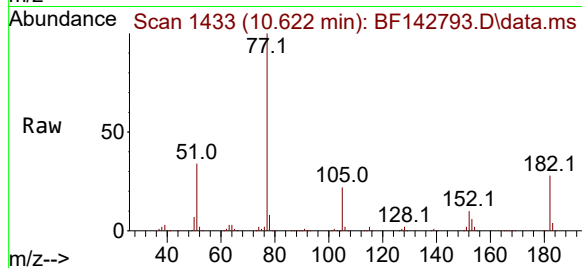




#63
Azobenzene
Concen: 51.063 ng
RT: 10.622 min Scan# 1433
Delta R.T. -0.000 min
Lab File: BF142793.D
Acq: 19 Jun 2025 19:40

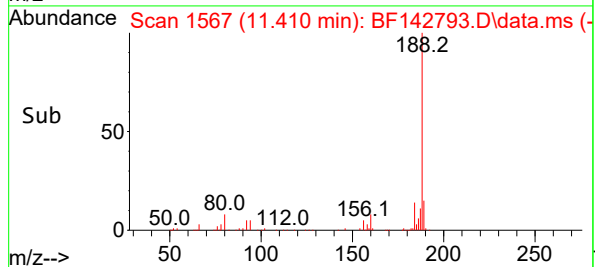
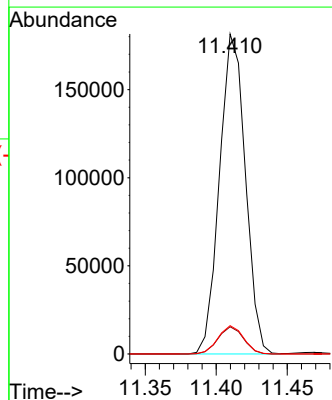
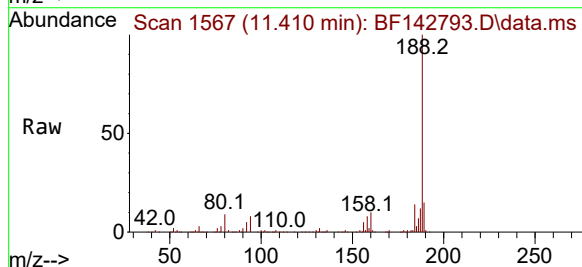
Instrument :
BNA_F
ClientSampleId :
SSTDICC050

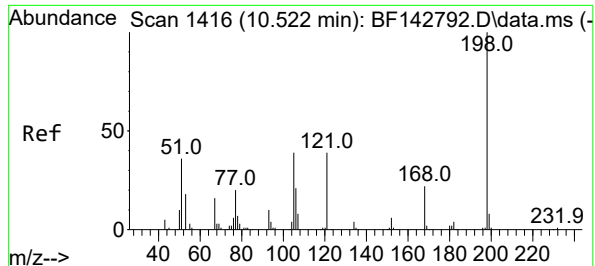
Tgt Ion	Ratio	Lower	Upper
77	100		
182	27.5	7.7	47.7
105	21.8	1.9	41.9
51	33.6	13.3	53.3



#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

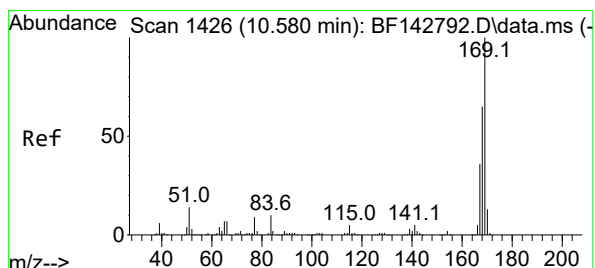
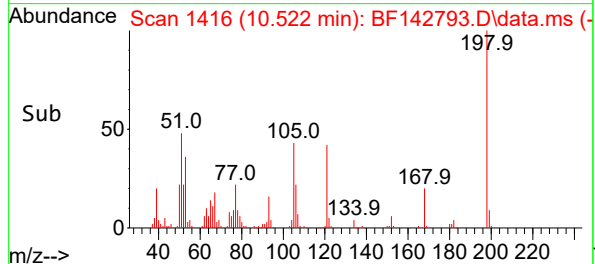
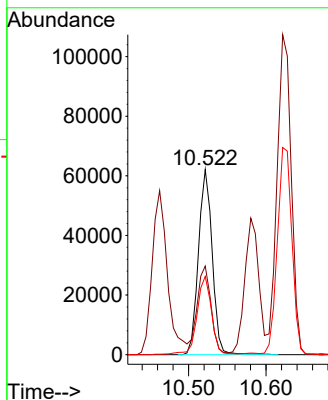
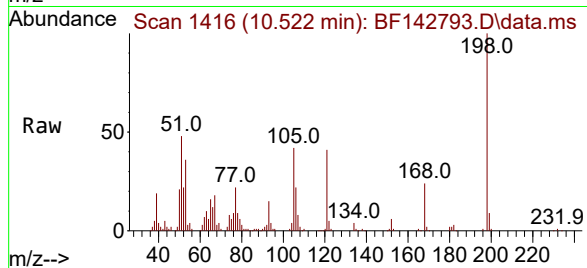




#65
4,6-Dinitro-2-methylphenol
Concen: 53.713 ng
RT: 10.522 min Scan# 1416
Delta R.T. -0.000 min
Lab File: BF142793.D
Acq: 19 Jun 2025 19:40

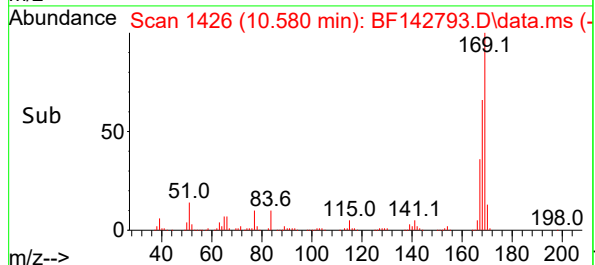
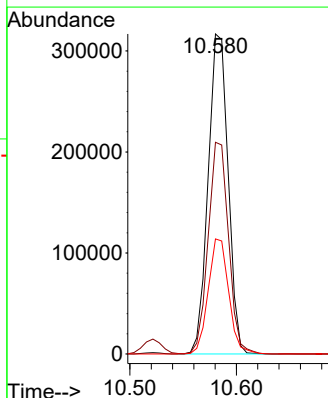
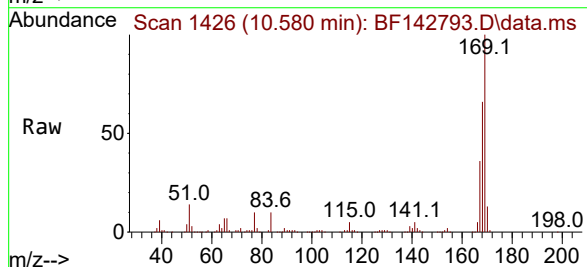
Instrument :
BNA_F
ClientSampleId :
SSTDICC050

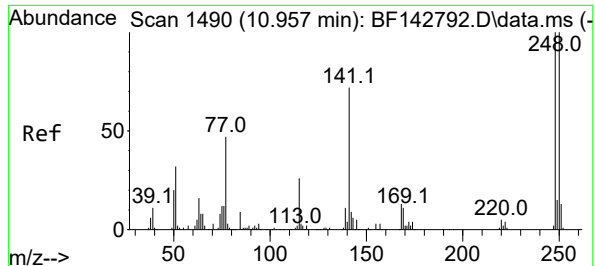
Tgt Ion	Ratio	Lower	Upper
198	100		
51	47.9	25.4	65.4
105	42.3	20.4	60.4



#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	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

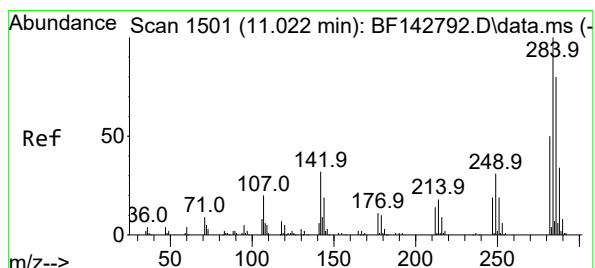
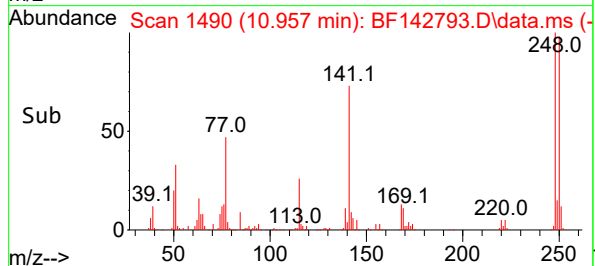
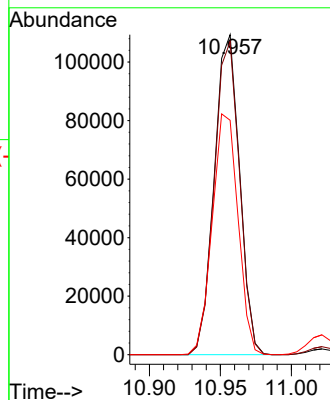
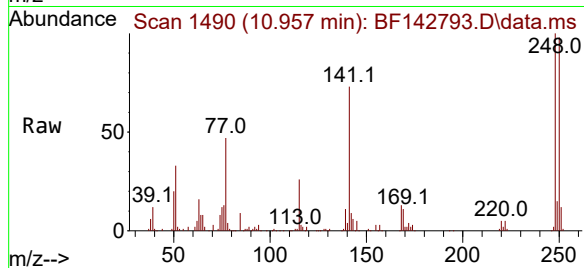
Tgt Ion:248 Resp: 135699

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

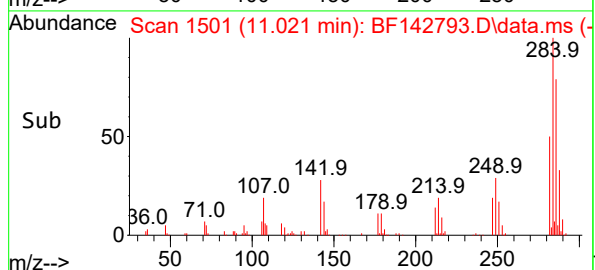
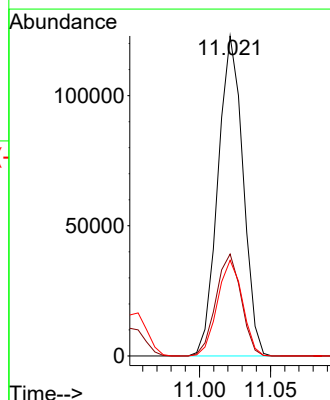
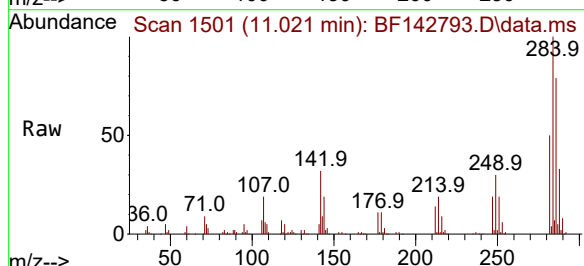
Tgt Ion:284 Resp: 150669

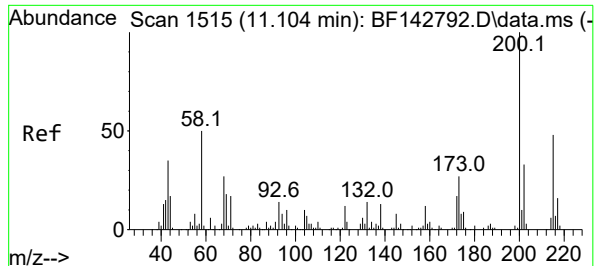
Ion Ratio Lower Upper

284 100

142 31.9 25.5 38.3

249 29.9 24.9 37.3

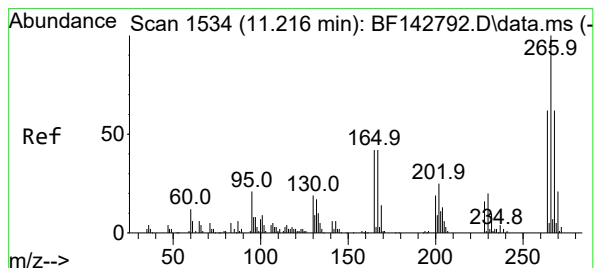
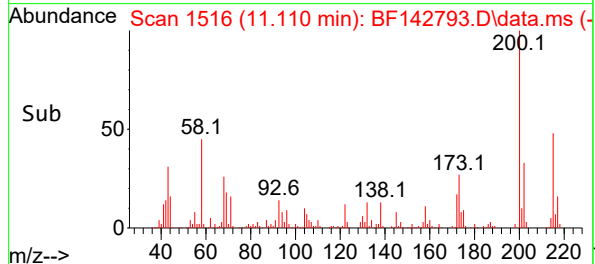
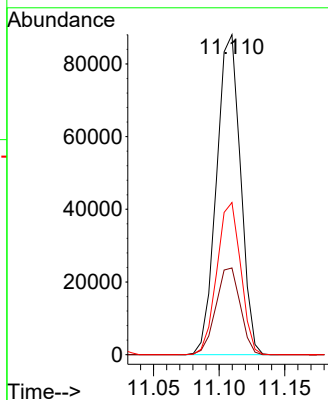
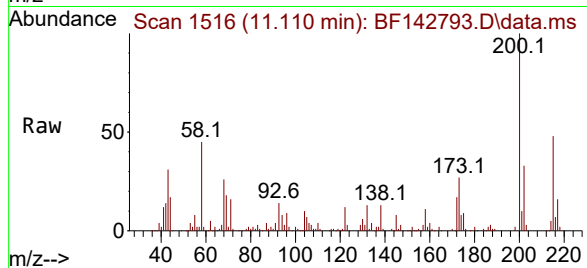




#69
Atrazine
Concen: 53.385 ng
RT: 11.110 min Scan# 1516
Delta R.T. 0.006 min
Lab File: BF142793.D
Acq: 19 Jun 2025 19:40

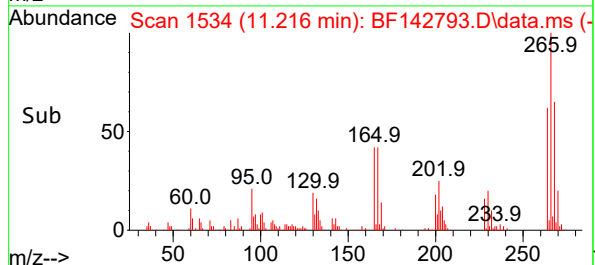
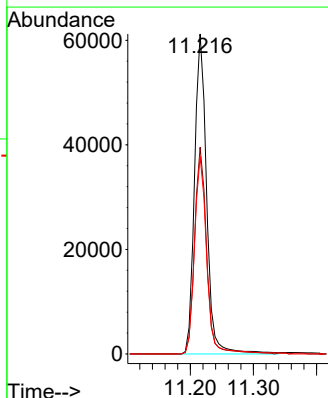
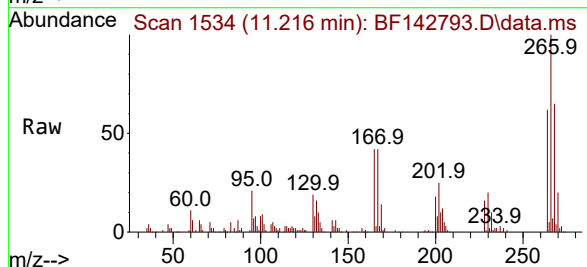
Instrument :
BNA_F
ClientSampleId :
SSTDIC050

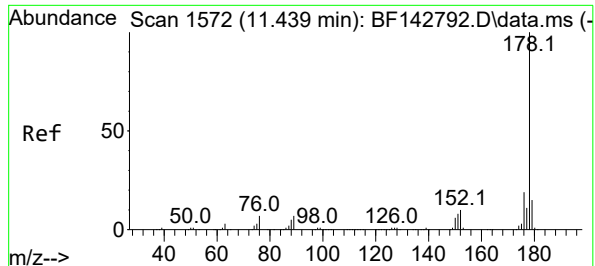
Tgt Ion:200 Resp: 111915
Ion Ratio Lower Upper
200 100
173 27.1 7.4 47.4
215 47.5 28.4 68.4



#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

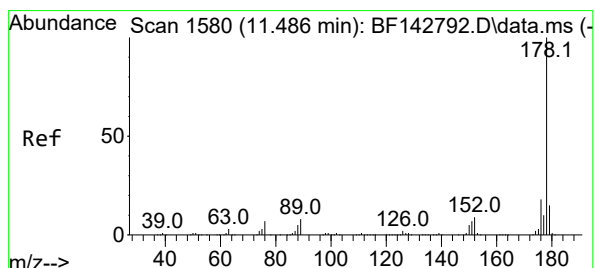
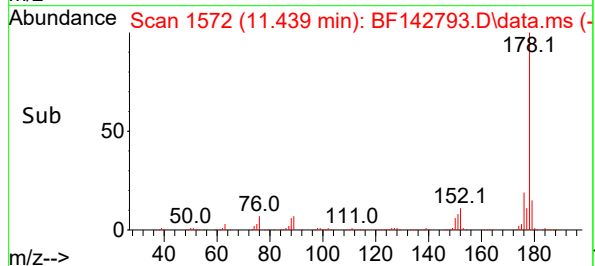
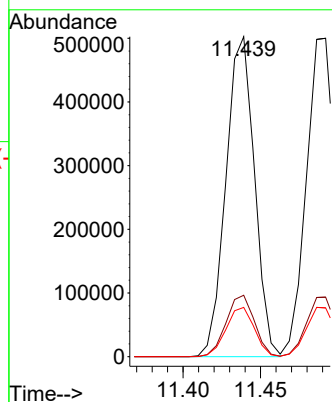
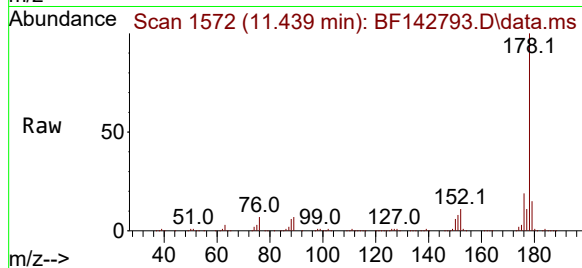




#71
Phenanthrene
Concen: 52.403 ng
RT: 11.439 min Scan# 1572
Delta R.T. -0.000 min
Lab File: BF142793.D
Acq: 19 Jun 2025 19:40

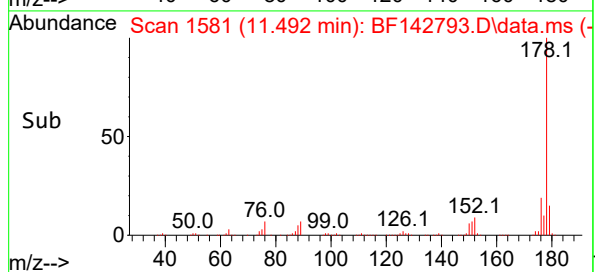
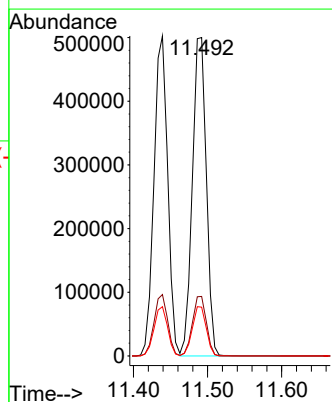
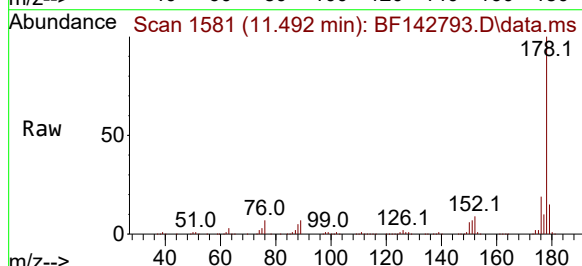
Instrument :
BNA_F
ClientSampleId :
SSTDICC050

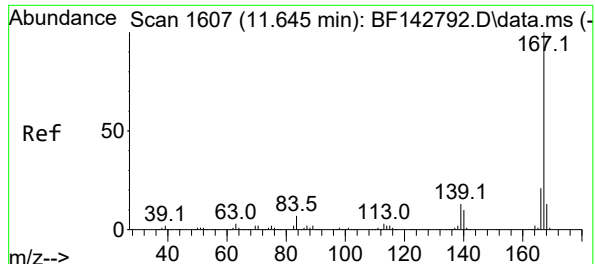
Tgt Ion:178 Resp: 644668
Ion Ratio Lower Upper
178 100
176 19.2 15.1 22.7
179 15.4 12.0 18.0



#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

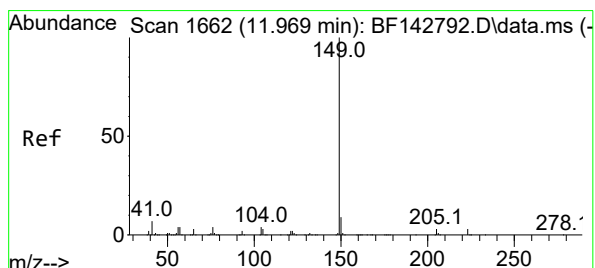
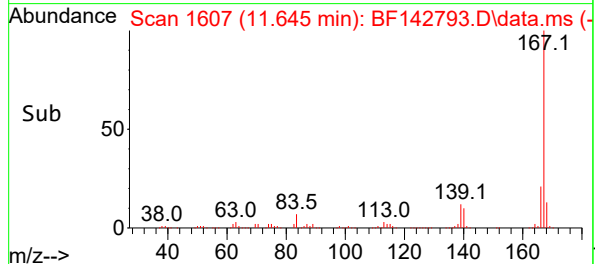
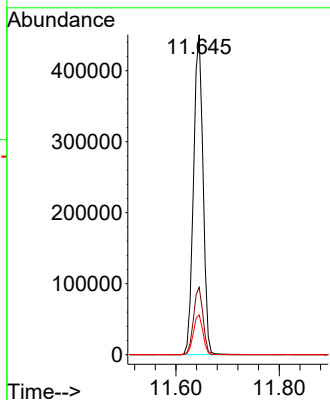
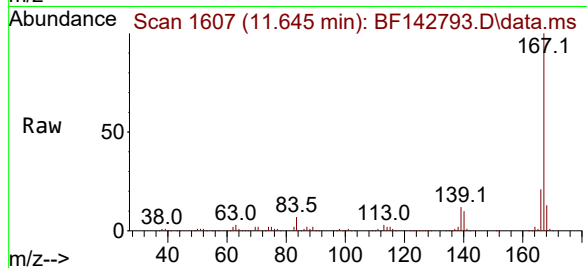




#73
Carbazole
Concen: 53.996 ng
RT: 11.645 min Scan# 1607
Delta R.T. -0.000 min
Lab File: BF142793.D
Acq: 19 Jun 2025 19:40

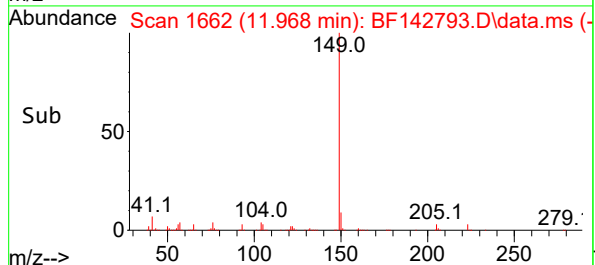
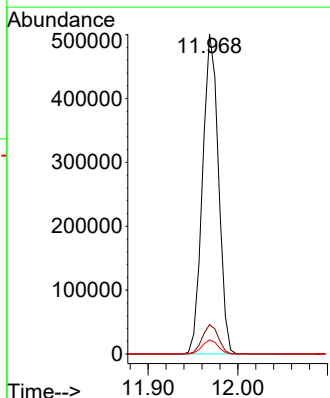
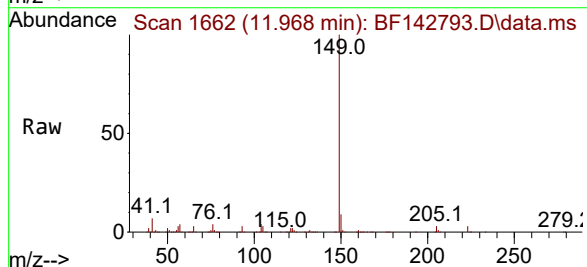
Instrument :
BNA_F
ClientSampleId :
SSTDICC050

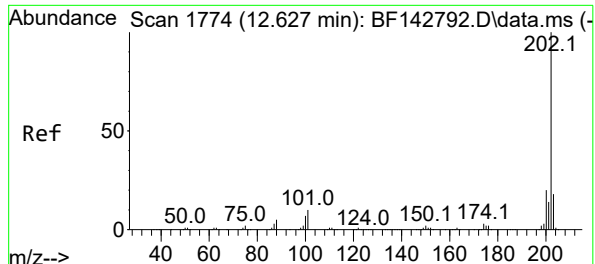
Tgt Ion:167 Resp: 575784
Ion Ratio Lower Upper
167 100
166 21.0 17.0 25.4
139 12.5 10.2 15.2



#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

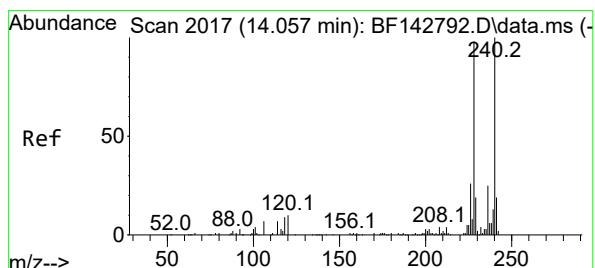
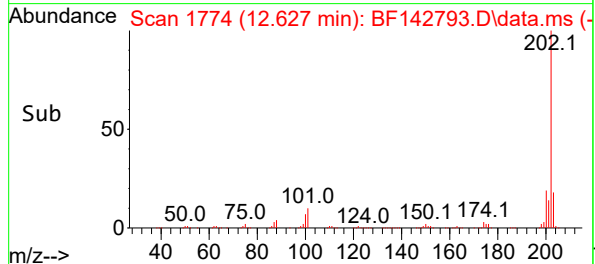
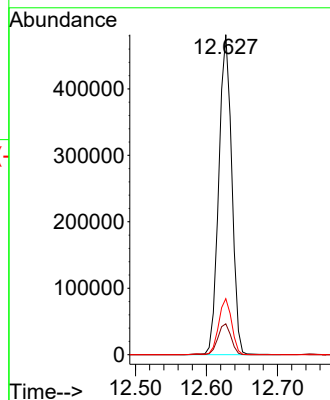
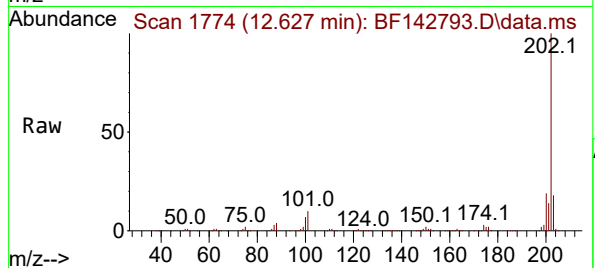




#75
Fluoranthene
Concen: 52.032 ng
RT: 12.627 min Scan# 11
Delta R.T. -0.000 min
Lab File: BF142793.D
Acq: 19 Jun 2025 19:40

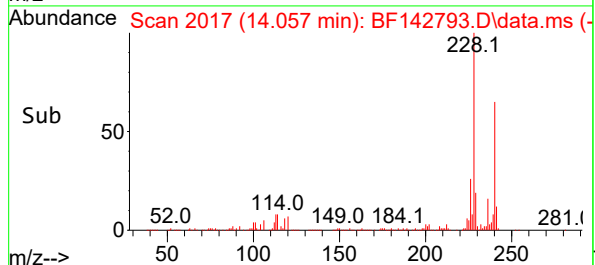
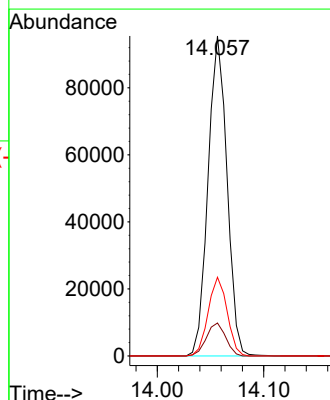
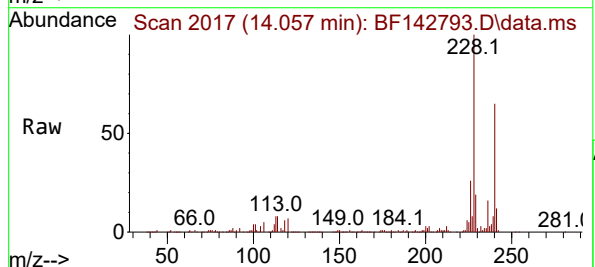
Instrument :
BNA_F
ClientSampleId :
SSTDICC050

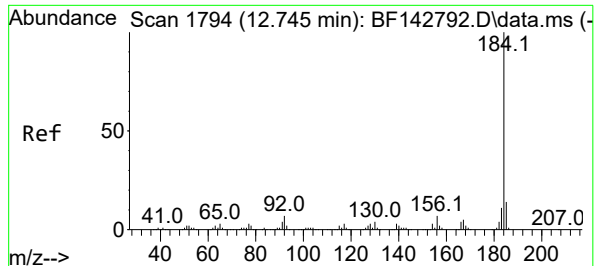
Tgt Ion:202 Resp: 608190
Ion Ratio Lower Upper
202 100
101 9.6 0.0 29.7
203 17.5 0.0 37.5



#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

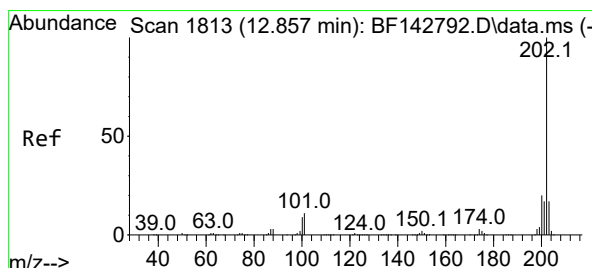
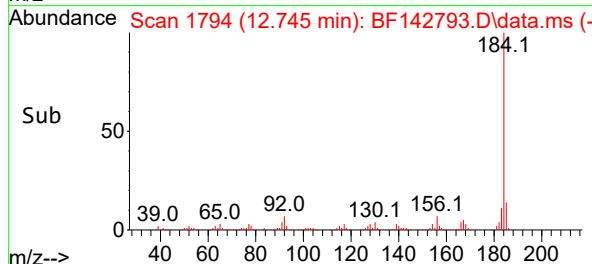
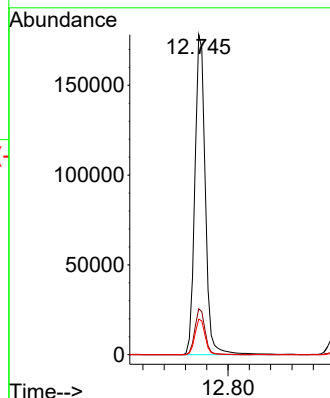
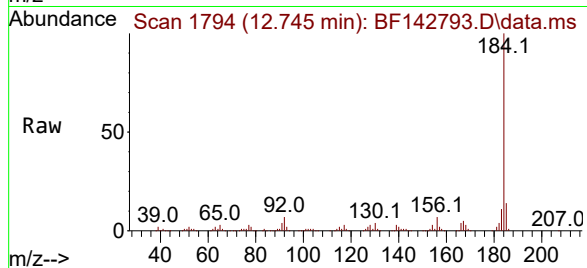
Tgt Ion:184 Resp: 242794

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

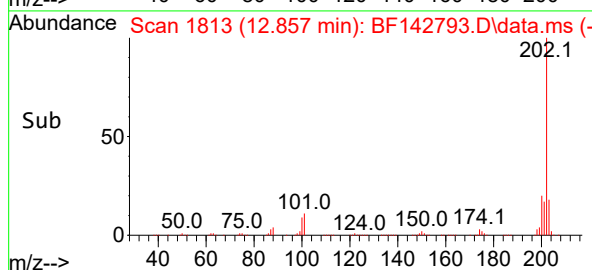
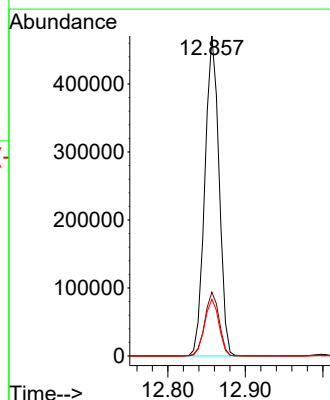
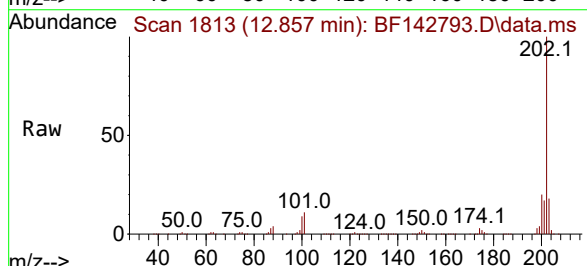
Tgt Ion:202 Resp: 597913

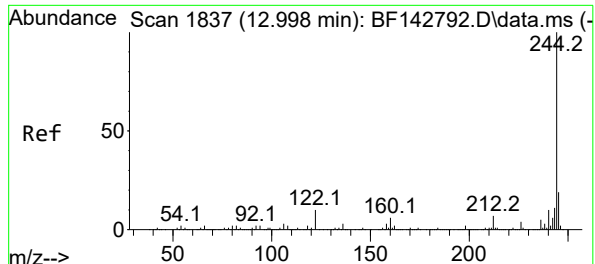
Ion Ratio Lower Upper

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

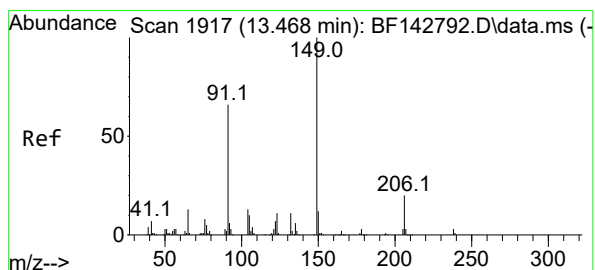
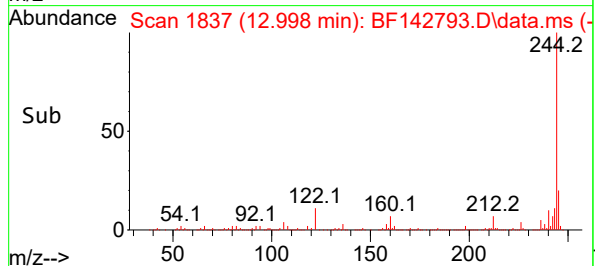
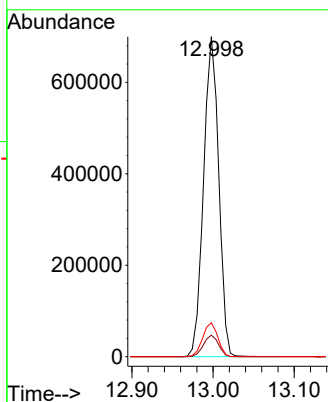
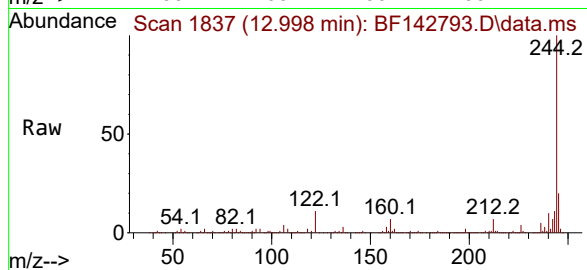
Tgt Ion:244 Resp: 904305

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

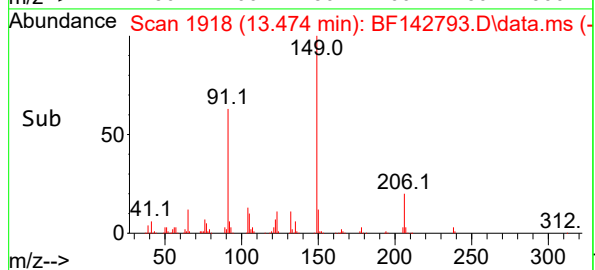
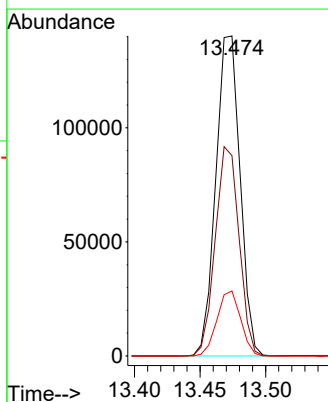
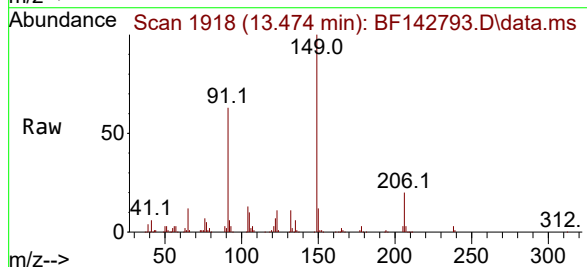
Tgt Ion:149 Resp: 180565

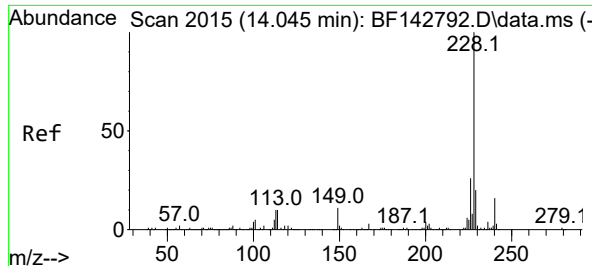
Ion Ratio Lower Upper

149 100

91 62.6 52.9 79.3

206 20.3 16.3 24.5

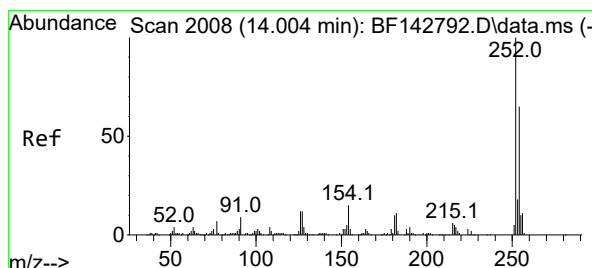
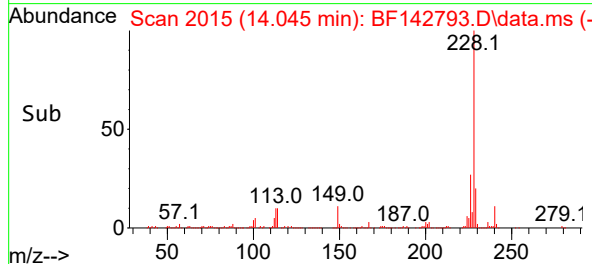
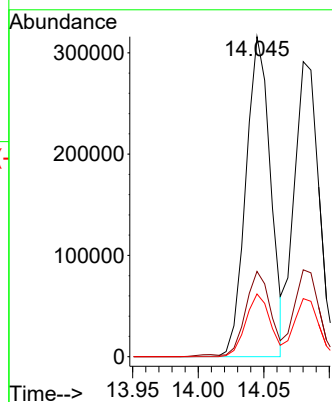
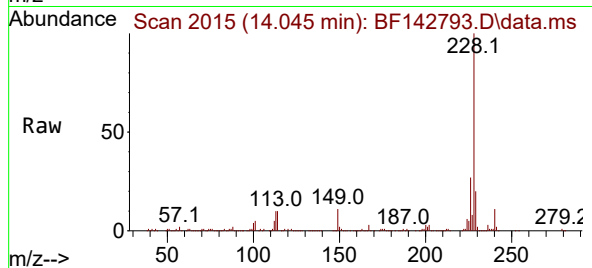




#81
Benzo(a)anthracene
Concen: 53.431 ng
RT: 14.045 min Scan# 2015
Delta R.T. -0.000 min
Lab File: BF142793.D
Acq: 19 Jun 2025 19:40

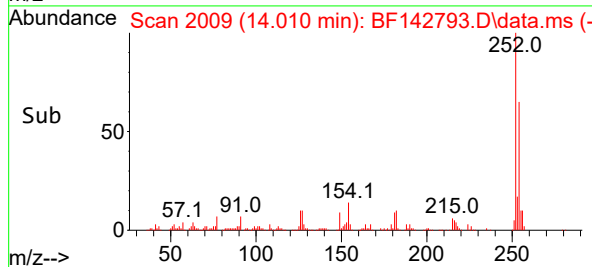
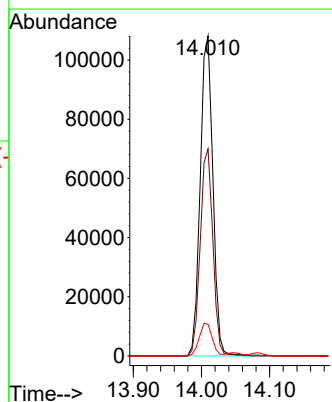
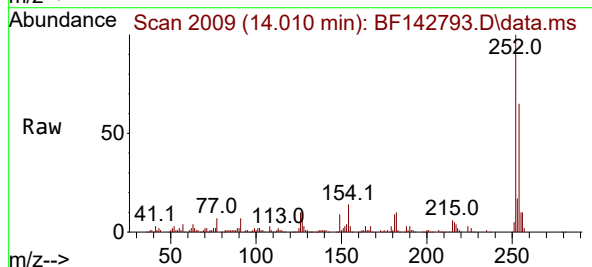
Instrument :
BNA_F
ClientSampleId :
SSTDICC050

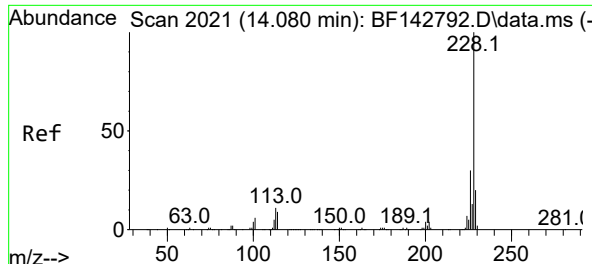
Tgt Ion:228 Resp: 413349
Ion Ratio Lower Upper
228 100
226 26.7 21.2 31.8
229 19.6 15.6 23.4



#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

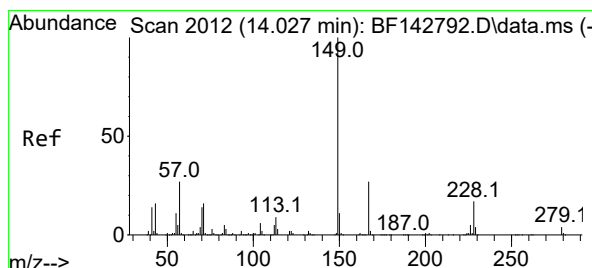
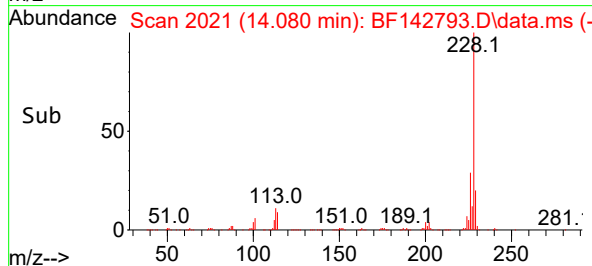
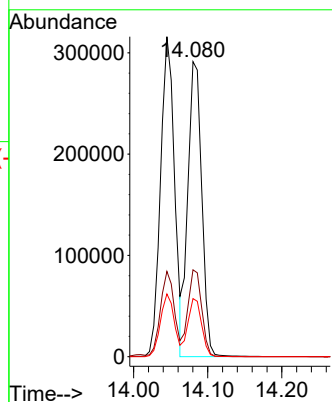
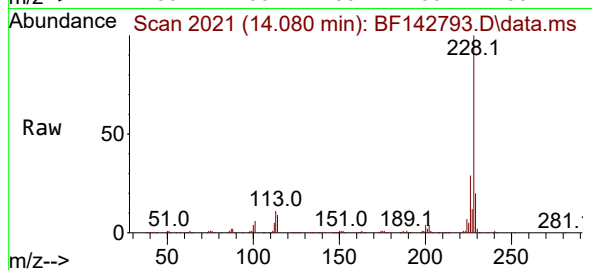
Tgt Ion:228 Resp: 381352

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

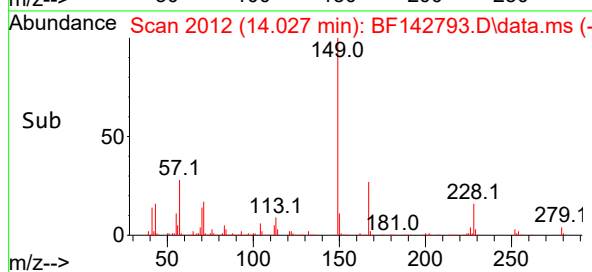
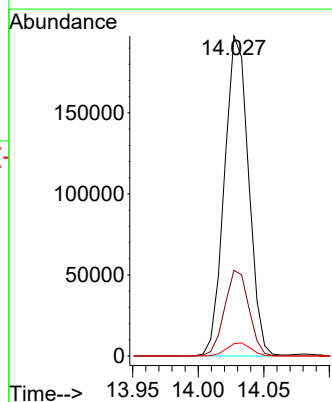
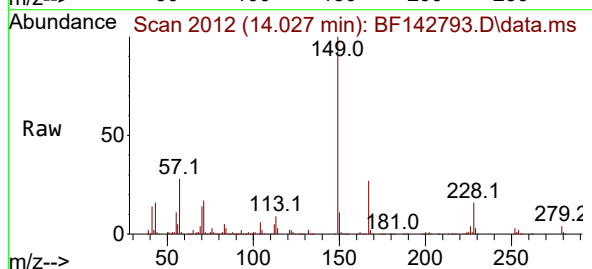
Tgt Ion:149 Resp: 253542

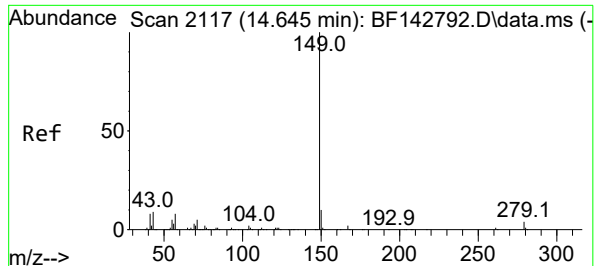
Ion Ratio Lower Upper

149 100

167 26.8 21.4 32.0

279 3.8 3.0 4.6

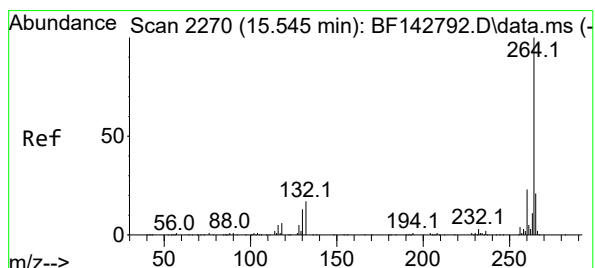
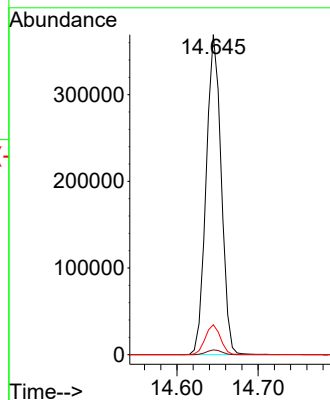
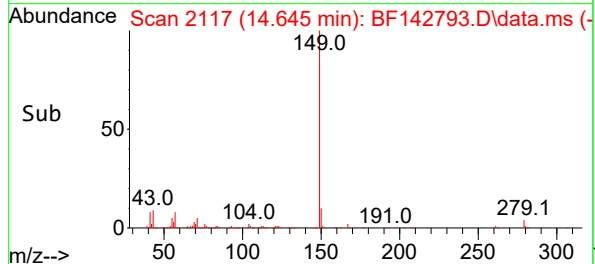
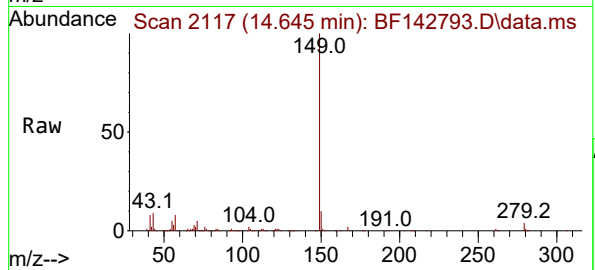




#85
Di-n-octyl phthalate
Concen: 52.029 ng
RT: 14.645 min Scan# 2117
Delta R.T. -0.000 min
Lab File: BF142793.D
Acq: 19 Jun 2025 19:40

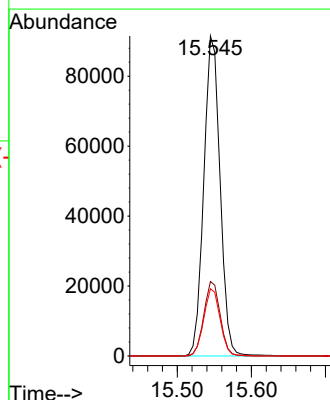
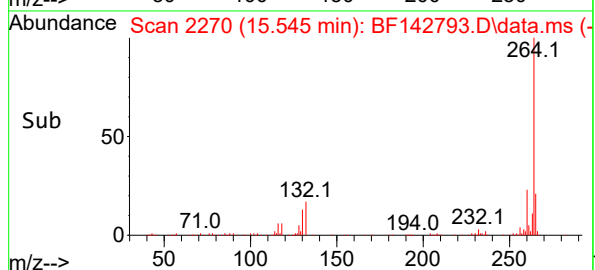
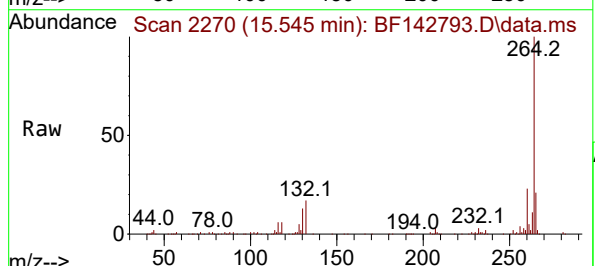
Instrument :
BNA_F
ClientSampleId :
SSTDICC050

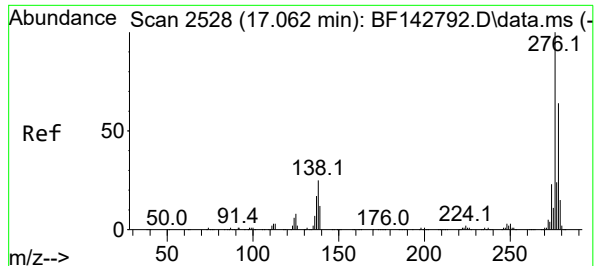
Tgt Ion:149 Resp: 474143
Ion Ratio Lower Upper
149 100
167 1.5 1.3 1.9
43 9.4 7.6 11.4



#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:264 Resp: 139593
Ion Ratio Lower Upper
264 100
260 23.3 18.1 27.1
265 21.0 16.6 25.0





#87

Indeno(1,2,3-cd)pyrene

Concen: 55.741 ng

RT: 17.062 min Scan# 21

Delta R.T. -0.000 min

Lab File: BF142793.D

Acq: 19 Jun 2025 19:40

Instrument :

BNA_F

ClientSampleId :

SSTDICC050

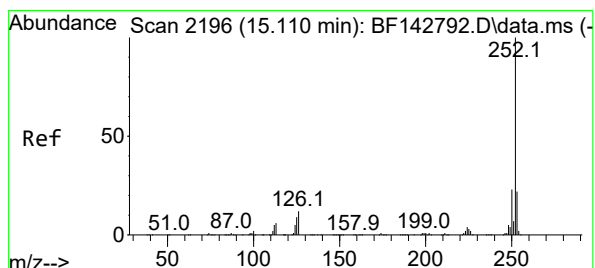
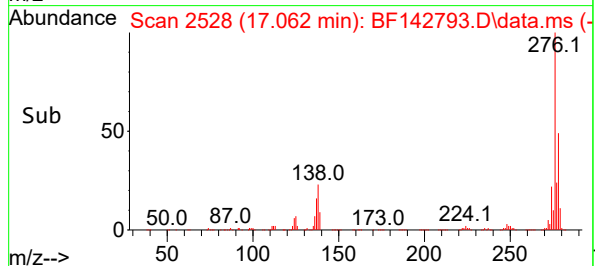
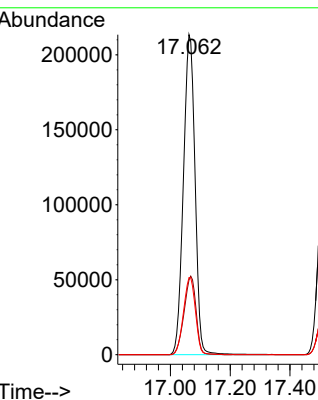
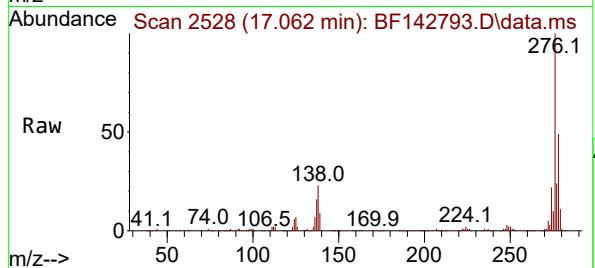
Tgt Ion:276 Resp: 575271

Ion Ratio Lower Upper

276 100

138 25.3 20.2 30.4

277 24.7 19.8 29.6



#88

Benzo(b)fluoranthene

Concen: 49.437 ng

RT: 15.109 min Scan# 2196

Delta R.T. -0.000 min

Lab File: BF142793.D

Acq: 19 Jun 2025 19:40

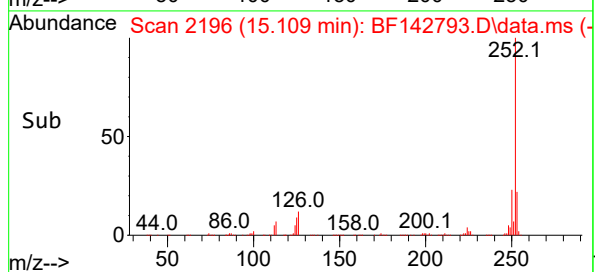
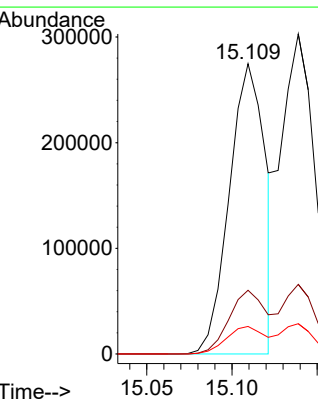
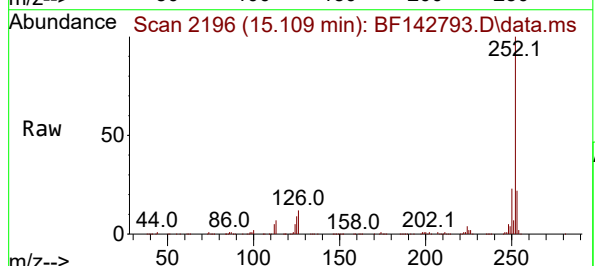
Tgt Ion:252 Resp: 401915

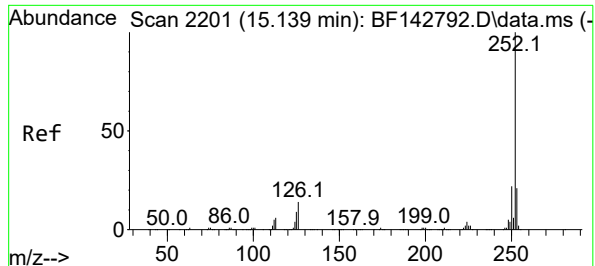
Ion Ratio Lower Upper

252 100

253 21.9 17.5 26.3

125 9.5 7.4 11.0





#89

Benzo(k)fluoranthene

Concen: 52.440 ng

RT: 15.139 min Scan# 21

Delta R.T. -0.000 min

Lab File: BF142793.D

Acq: 19 Jun 2025 19:40

Instrument :

BNA_F

ClientSampleId :

SSTDICC050

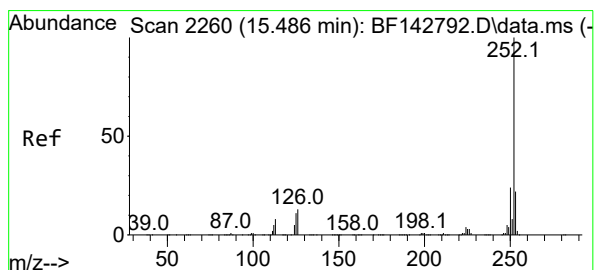
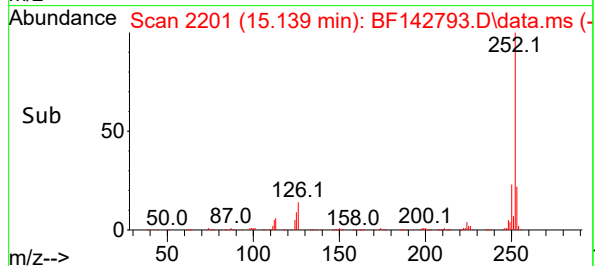
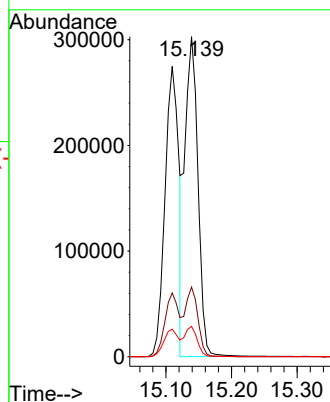
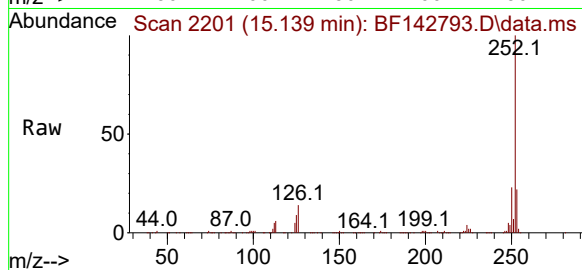
Tgt Ion:252 Resp: 416169

Ion Ratio Lower Upper

252 100

253 21.7 17.2 25.8

125 9.5 7.4 11.2



#90

Benzo(a)pyrene

Concen: 53.860 ng

RT: 15.486 min Scan# 2260

Delta R.T. -0.000 min

Lab File: BF142793.D

Acq: 19 Jun 2025 19:40

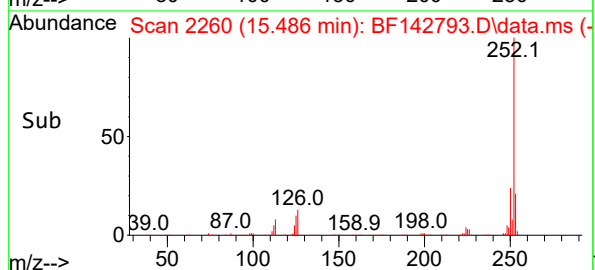
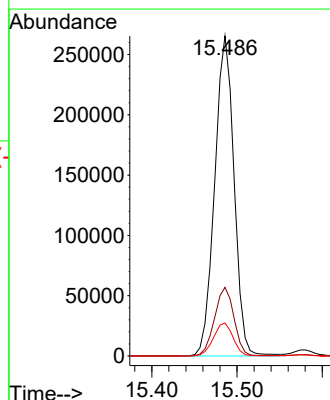
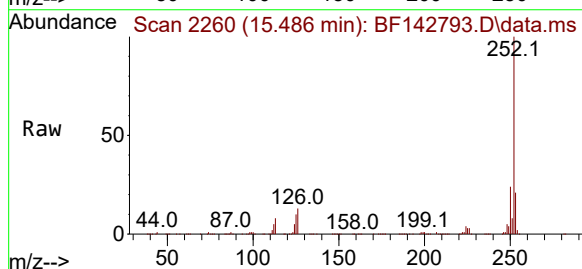
Tgt Ion:252 Resp: 419030

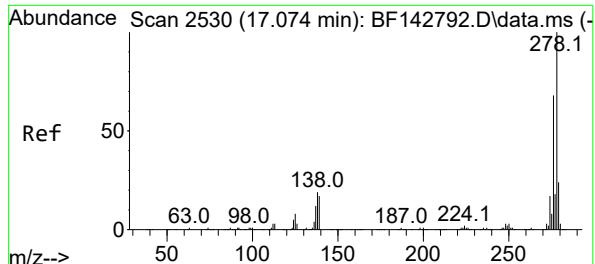
Ion Ratio Lower Upper

252 100

253 21.4 17.5 26.3

125 10.3 8.6 12.8





#91

Dibenzo(a,h)anthracene

Concen: 55.594 ng

RT: 17.080 min Scan# 21

Delta R.T. 0.006 min

Lab File: BF142793.D

Acq: 19 Jun 2025 19:40

Instrument :

BNA_F

ClientSampleId :

SSTDICC050

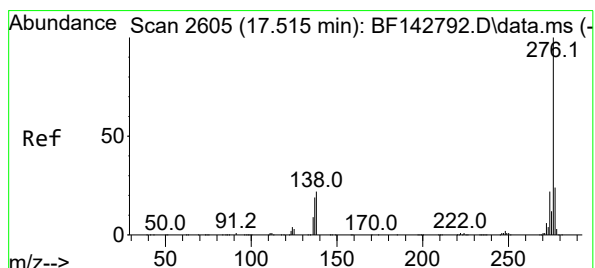
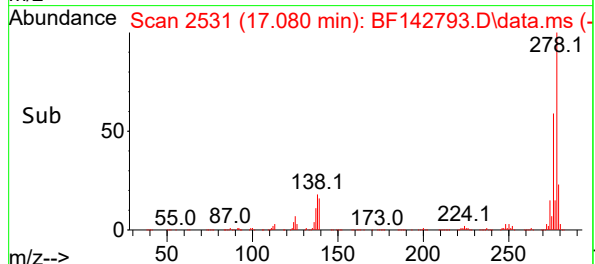
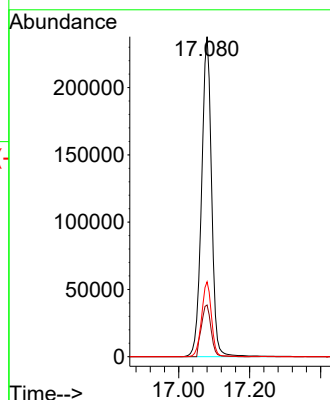
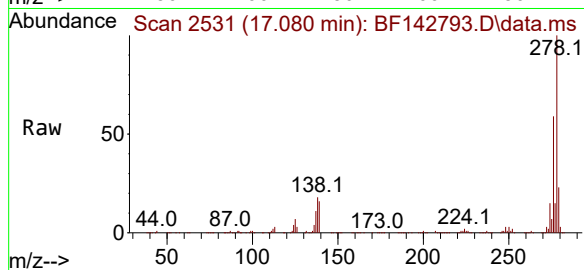
Tgt Ion:278 Resp: 466485

Ion Ratio Lower Upper

278 100

139 16.2 13.5 20.3

279 23.4 18.8 28.2



#92

Benzo(g,h,i)perylene

Concen: 55.540 ng

RT: 17.521 min Scan# 2606

Delta R.T. 0.006 min

Lab File: BF142793.D

Acq: 19 Jun 2025 19:40

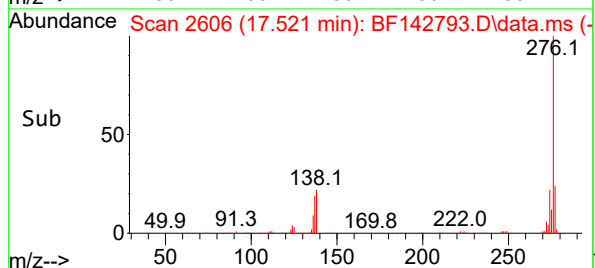
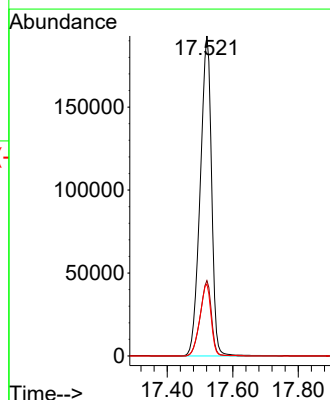
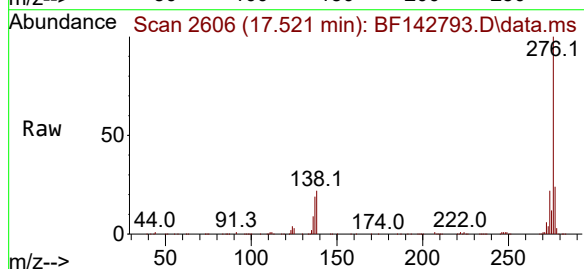
Tgt Ion:276 Resp: 464951

Ion Ratio Lower Upper

276 100

277 23.5 18.8 28.2

138 22.4 17.6 26.4



Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF061925\
 Data File : BF142794.D
 Acq On : 19 Jun 2025 20:10
 Operator : RC/JU
 Sample : SSTDICC060
 Misc :
 ALS Vial : 8 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 SSTDICC060

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

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

Internal Standards						
1) 1,4-Dichlorobenzene-d4	6.881	152	83273	20.000	ng	0.00
21) Naphthalene-d8	8.169	136	313390	20.000	ng	0.00
39) Acenaphthene-d10	9.928	164	161044	20.000	ng	0.00
64) Phenanthrene-d10	11.410	188	264336	20.000	ng	0.00
76) Chrysene-d12	14.057	240	133196	20.000	ng	0.00
86) Perylene-d12	15.551	264	166457	20.000	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.498	112	585158	119.852	ng	0.00
7) Phenol-d6	6.516	99	689436	120.255	ng	0.00
23) Nitrobenzene-d5	7.451	82	680402	119.003	ng	0.00
42) 2,4,6-Tribromophenol	10.716	330	198721	113.541	ng	0.00
45) 2-Fluorobiphenyl	9.245	172	1360586	112.392	ng	0.00
79) Terphenyl-d14	12.998	244	1107704	115.747	ng	0.00
Target Compounds						
						Qvalue
2) 1,4-Dioxane	2.640	88	119634	61.705	ng	99
3) Pyridine	3.410	79	302137	62.244	ng	99
4) n-Nitrosodimethylamine	3.375	42	157914	63.520	ng	99
6) Aniline	6.545	93	466855	60.761	ng	93
8) 2-Chlorophenol	6.669	128	317743	59.767	ng	99
9) Benzaldehyde	6.434	77	170843	48.878	ng	100
10) Phenol	6.528	94	382126	59.780	ng	92
11) bis(2-Chloroethyl)ether	6.622	93	278869	58.802	ng	98
12) 1,3-Dichlorobenzene	6.822	146	353155	58.337	ng	98
13) 1,4-Dichlorobenzene	6.898	146	356089	58.035	ng	99
14) 1,2-Dichlorobenzene	7.051	146	338121	57.645	ng	99
15) Benzyl Alcohol	7.028	79	257749	60.062	ng	99
16) 2,2'-oxybis(1-Chloropr...	7.157	45	439082	58.763	ng	97
17) 2-Methylphenol	7.134	107	242711	59.716	ng	100
18) Hexachloroethane	7.392	117	124457	56.741	ng	98
19) n-Nitroso-di-n-propyla...	7.304	70	202914	56.123	ng	97
20) 3+4-Methylphenols	7.292	107	298960	58.442	ng	99
22) Acetophenone	7.298	105	402615	58.063	ng	99
24) Nitrobenzene	7.469	77	306032	60.229	ng	99
25) Isophorone	7.710	82	548612	57.216	ng	100
26) 2-Nitrophenol	7.786	139	175072	61.836	ng	98
27) 2,4-Dimethylphenol	7.822	122	288532	59.859	ng	99
28) bis(2-Chloroethoxy)met...	7.916	93	343925	57.620	ng	100
29) 2,4-Dichlorophenol	8.028	162	260228	58.574	ng	99
30) 1,2,4-Trichlorobenzene	8.110	180	282721	57.608	ng	99
31) Naphthalene	8.192	128	886614	57.524	ng	100
32) Benzoic acid	7.945	122	169471	63.369	ng	96
33) 4-Chloroaniline	8.239	127	369911	59.887	ng	99
34) Hexachlorobutadiene	8.304	225	173425	55.768	ng	99
35) Caprolactam	8.622	113	73108	61.157	ng	98
36) 4-Chloro-3-methylphenol	8.722	107	261249	56.927	ng	99
37) 2-Methylnaphthalene	8.881	142	548439	56.406	ng	100
38) 1-Methylnaphthalene	8.980	142	567801	56.247	ng	99
40) 1,2,4,5-Tetrachloroben...	9.045	216	278551	59.918	ng	99
41) Hexachlorocyclopentadiene	9.033	237	181771	61.835	ng	99
43) 2,4,6-Trichlorophenol	9.157	196	187708	62.392	ng	100

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF061925\
 Data File : BF142794.D
 Acq On : 19 Jun 2025 20:10
 Operator : RC/JU
 Sample : SSTDICC060
 Misc :
 ALS Vial : 8 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 SSTDICC060

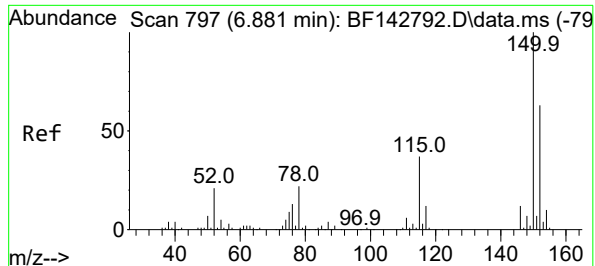
Quant Time: Jun 20 04:41:29 2025
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF061925.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Fri Jun 20 04:36:38 2025
 Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
44) 2,4,5-Trichlorophenol	9.204	196	196769	60.565	ng	99
46) 1,1'-Biphenyl	9.345	154	736970	58.937	ng	99
47) 2-Chloronaphthalene	9.375	162	553304	59.966	ng	99
48) 2-Nitroaniline	9.469	65	162701	62.067	ng	96
49) Acenaphthylene	9.786	152	913540	58.892	ng	100
50) Dimethylphthalate	9.651	163	617097	57.767	ng	100
51) 2,6-Dinitrotoluene	9.710	165	137318	59.299	ng	99
52) Acenaphthene	9.963	154	566138	58.980	ng	100
53) 3-Nitroaniline	9.880	138	154402	61.386	ng	99
54) 2,4-Dinitrophenol	9.986	184	78750	62.843	ng	99
55) Dibenzofuran	10.133	168	802087	58.567	ng	99
56) 4-Nitrophenol	10.039	139	110658	64.811	ng	100
57) 2,4-Dinitrotoluene	10.116	165	184840	60.367	ng	97
58) Fluorene	10.475	166	608786	56.322	ng	99
59) 2,3,4,6-Tetrachlorophenol	10.251	232	159997	58.739	ng	97
60) Diethylphthalate	10.345	149	611873	57.662	ng	100
61) 4-Chlorophenyl-phenyle...	10.463	204	294444	56.089	ng	98
62) 4-Nitroaniline	10.498	138	144821	64.135	ng	98
63) Azobenzene	10.627	77	542118	58.460	ng	98
65) 4,6-Dinitro-2-methylph...	10.527	198	103180	62.814	ng	100
66) n-Nitrosodiphenylamine	10.586	169	531713	58.540	ng	98
67) 4-Bromophenyl-phenylether	10.957	248	180519	58.311	ng	97
68) Hexachlorobenzene	11.022	284	199479	58.041	ng	99
69) Atrazine	11.110	200	144880	60.075	ng	98
70) Pentachlorophenol	11.216	266	107141	60.023	ng	98
71) Phenanthrene	11.439	178	815330	57.611	ng	99
72) Anthracene	11.492	178	844549	57.653	ng	100
73) Carbazole	11.645	167	729372	59.457	ng	100
74) Di-n-butylphthalate	11.969	149	784514	57.759	ng	100
75) Fluoranthene	12.627	202	770481	57.300	ng	99
77) Benzidine	12.751	184	287238	60.916	ng	100
78) Pyrene	12.857	202	744567	60.812	ng	99
80) Butylbenzylphthalate	13.474	149	238584	65.755	ng	97
81) Benzo(a)anthracene	14.045	228	550008	62.892	ng	99
82) 3,3'-Dichlorobenzidine	14.010	252	177798	62.787	ng	100
83) Chrysene	14.086	228	470124	57.743	ng	100
84) Bis(2-ethylhexyl)phtha...	14.027	149	336951	62.326	ng	99
85) Di-n-octyl phthalate	14.645	149	627090	60.871	ng	100
87) Indeno(1,2,3-cd)pyrene	17.068	276	768324	62.432	ng	99
88) Benzo(b)fluoranthene	15.110	252	597533	61.638	ng	100
89) Benzo(k)fluoranthene	15.139	252	518514	54.792	ng	99
90) Benzo(a)pyrene	15.486	252	569694	61.408	ng	99
91) Dibenzo(a,h)anthracene	17.086	278	619236	61.889	ng	99
92) Benzo(g,h,i)perylene	17.527	276	626847	62.795	ng	100

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

Instrument :
BNA_F
ClientSampleId :
SSTDICC060

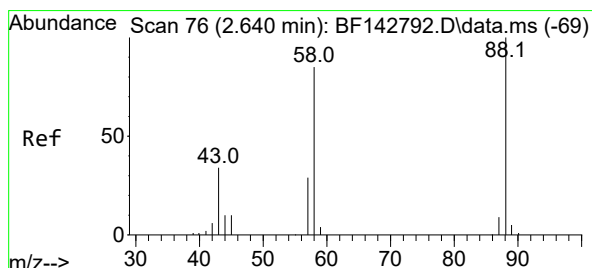
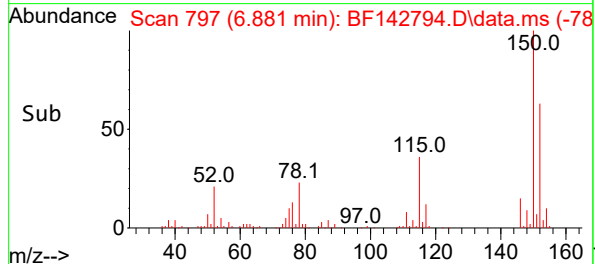
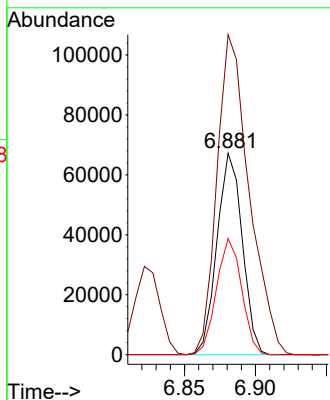
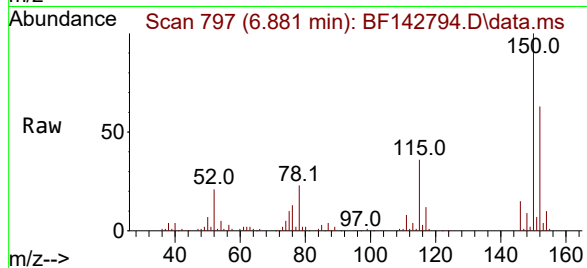
[illegible]



#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

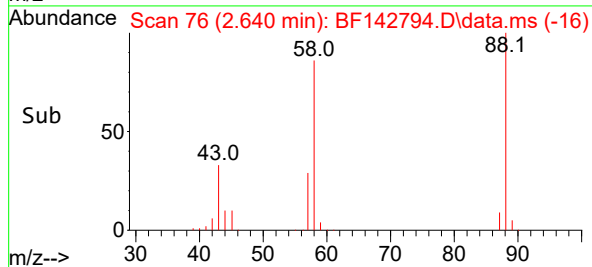
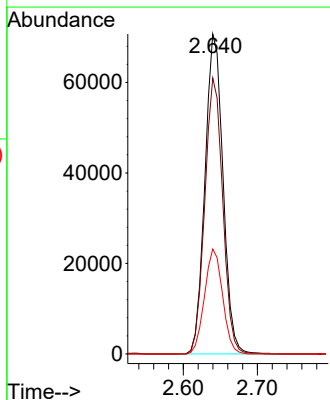
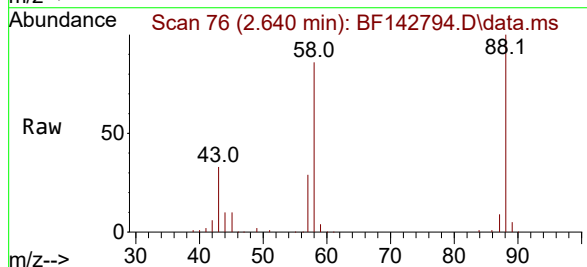
Instrument :
BNA_F
ClientSampleId :
SSTDICC060

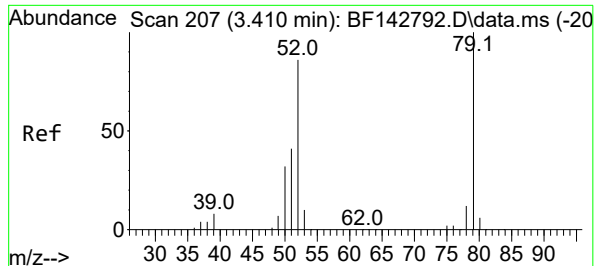
Tgt Ion:152 Resp: 83273
Ion Ratio Lower Upper
152 100
150 158.8 127.2 190.8
115 57.7 46.6 69.8



#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

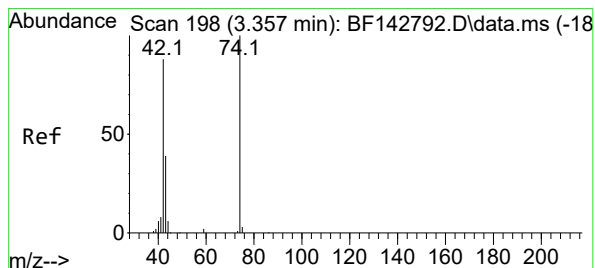
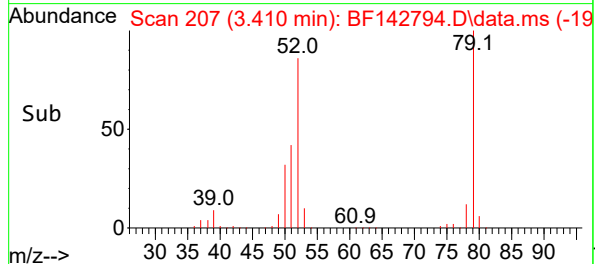
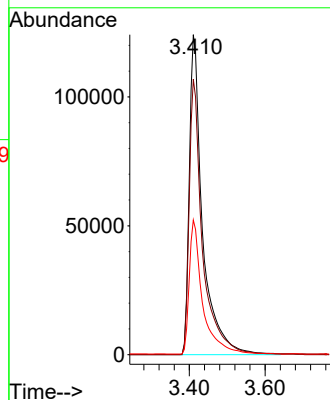
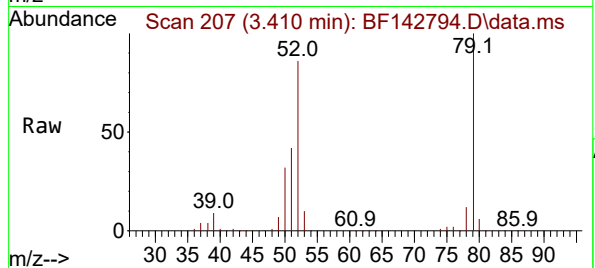




#3
Pyridine
Concen: 62.244 ng
RT: 3.410 min Scan# 207
Delta R.T. 0.000 min
Lab File: BF142794.D
Acq: 19 Jun 2025 20:10

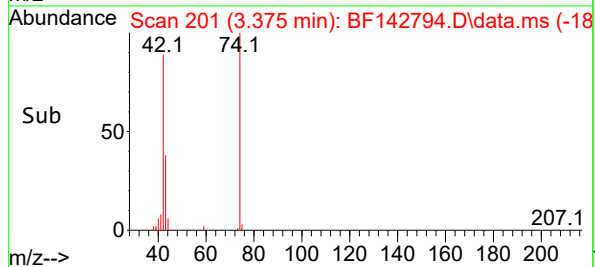
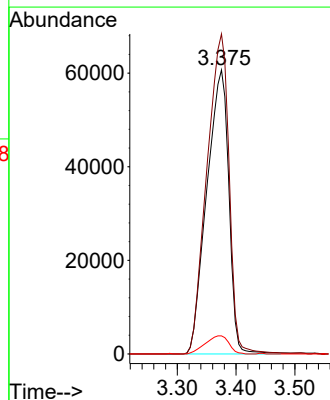
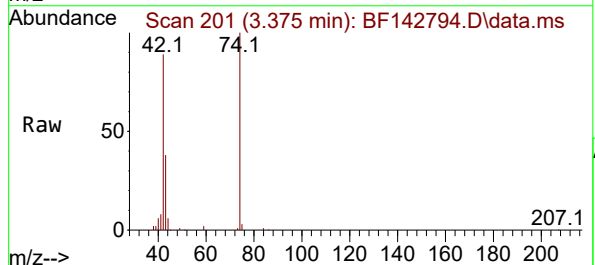
Instrument :
BNA_F
ClientSampleId :
SSTDICC060

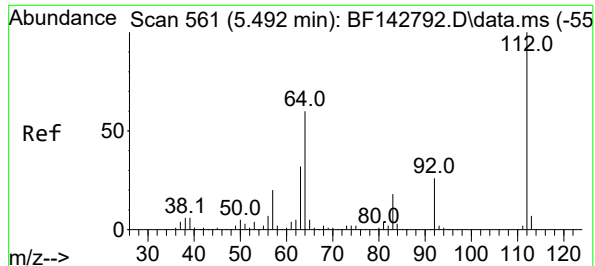
Tgt Ion: 79 Resp: 302137
Ion Ratio Lower Upper
79 100
52 86.1 69.2 103.8
51 42.1 33.2 49.8



#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

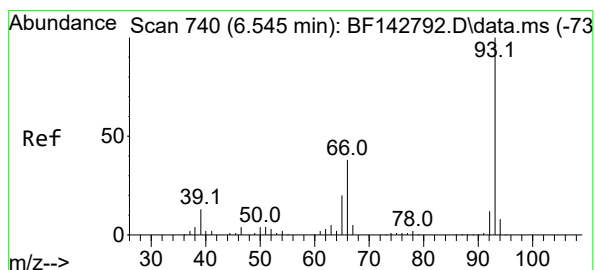
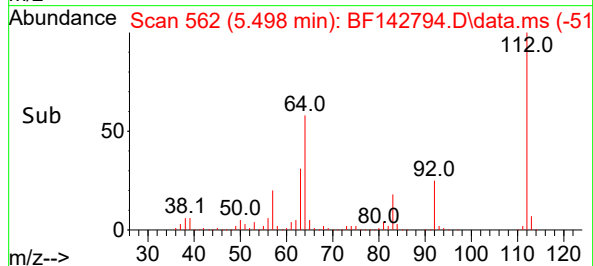
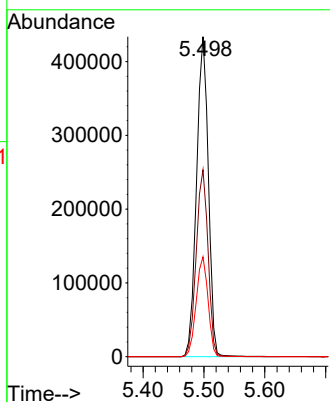
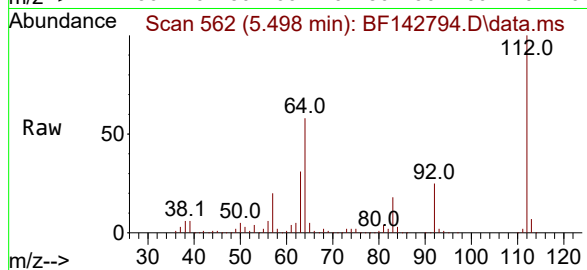
Tgt Ion:112 Resp: 585158

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

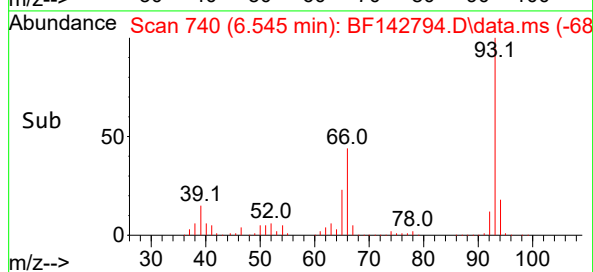
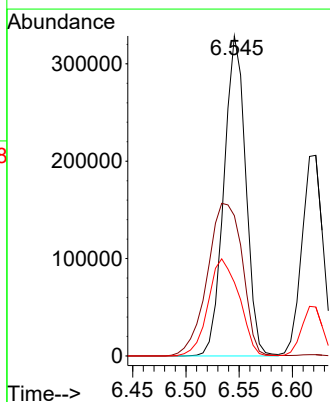
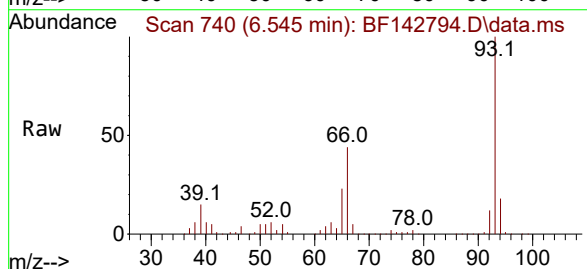
Tgt Ion: 93 Resp: 466855

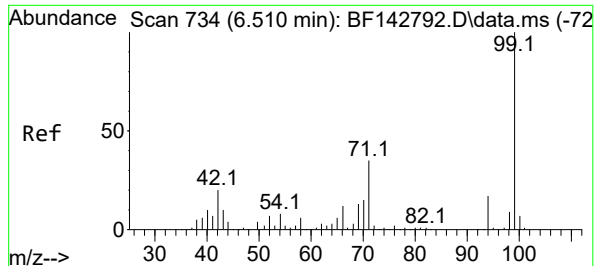
Ion Ratio Lower Upper

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

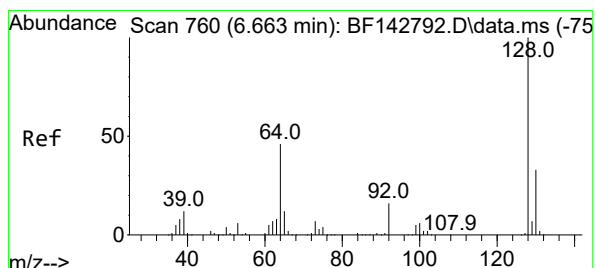
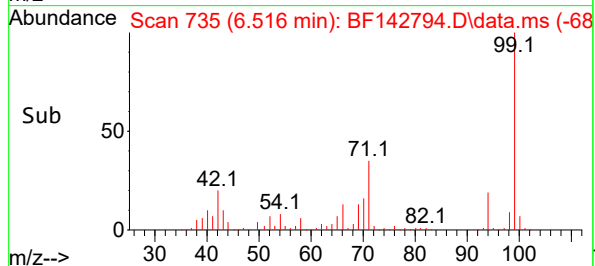
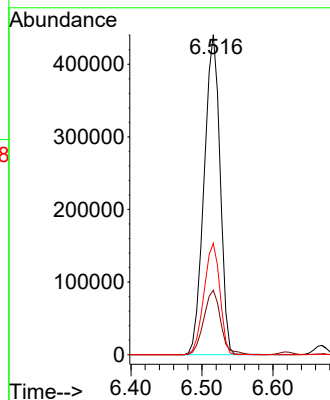
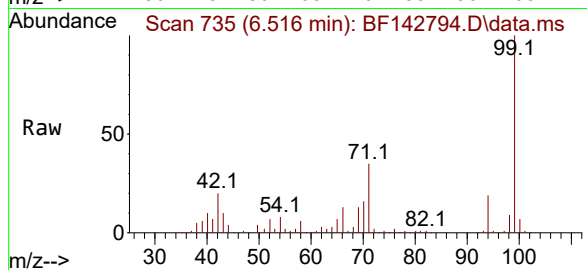
Tgt Ion: 99 Resp: 689436

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

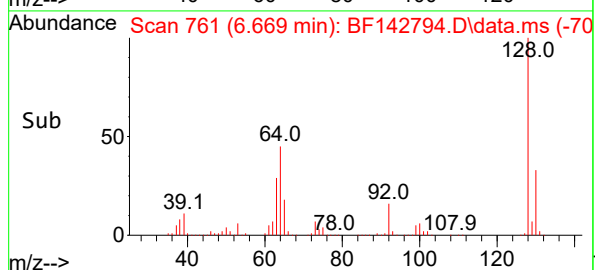
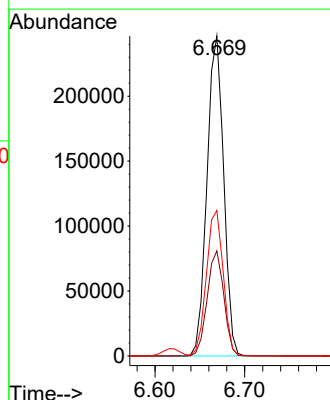
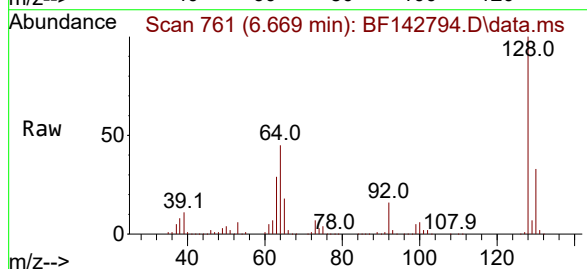
Tgt Ion:128 Resp: 317743

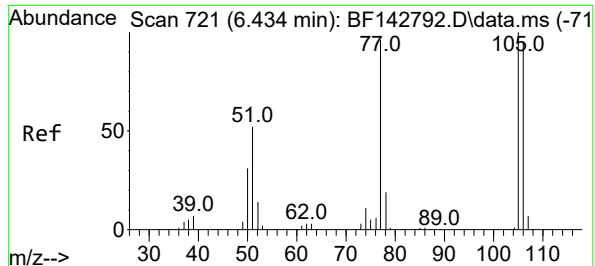
Ion Ratio Lower Upper

128 100

130 32.9 12.7 52.7

64 45.5 26.5 66.5

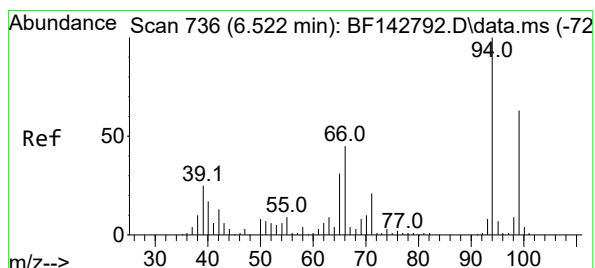
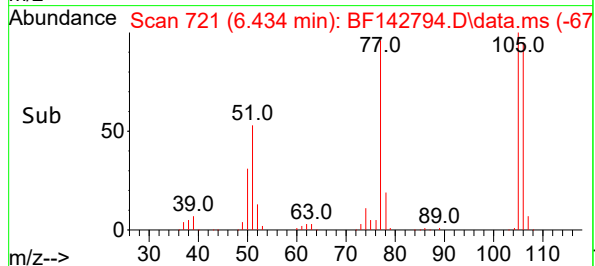
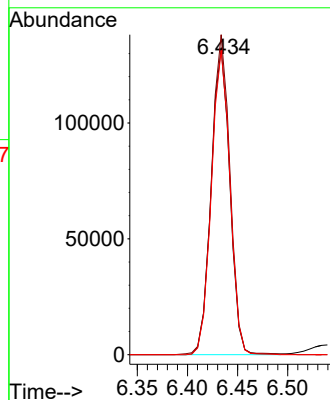
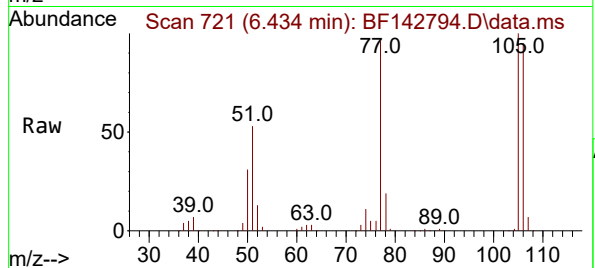




#9
Benzaldehyde
Concen: 48.878 ng
RT: 6.434 min Scan# 71
Delta R.T. 0.000 min
Lab File: BF142794.D
Acq: 19 Jun 2025 20:10

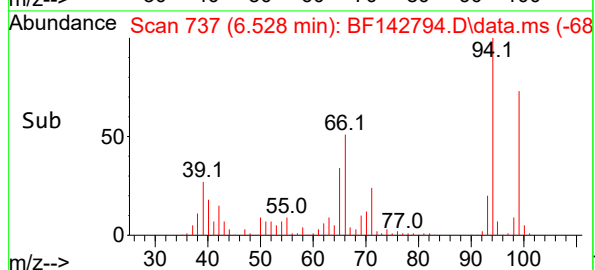
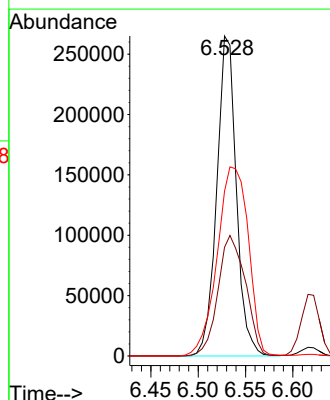
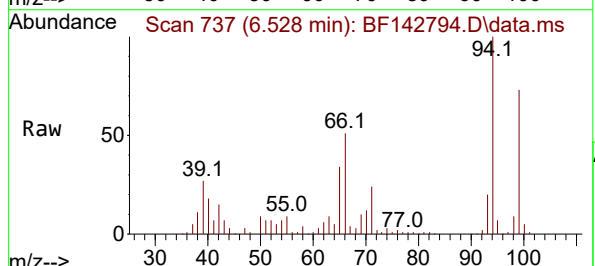
Instrument :
BNA_F
ClientSampleId :
SSTDICC060

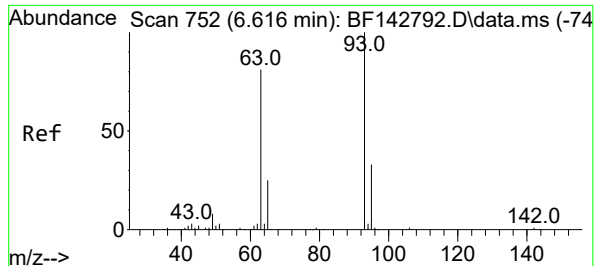
Tgt Ion: 77 Resp: 170843
Ion Ratio Lower Upper
77 100
105 104.2 83.8 123.8
106 99.1 78.7 118.7



#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

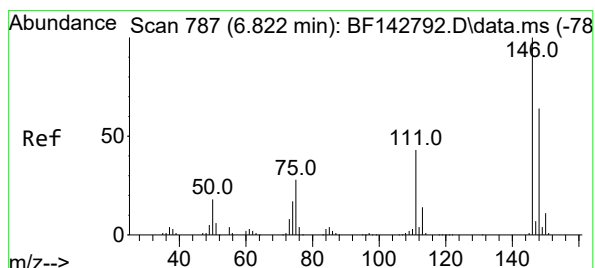
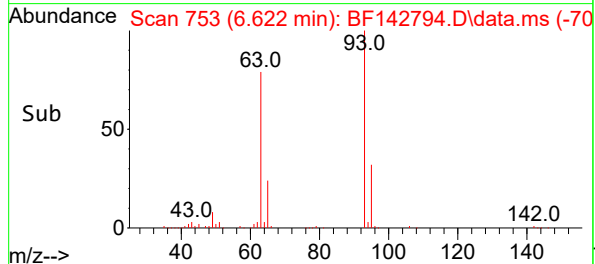
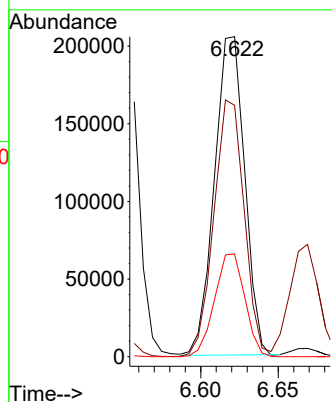
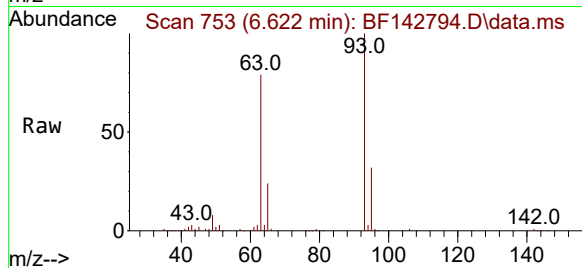




#11
bis(2-Chloroethyl)ether
Concen: 58.802 ng
RT: 6.622 min Scan# 753
Delta R.T. 0.006 min
Lab File: BF142794.D
Acq: 19 Jun 2025 20:10

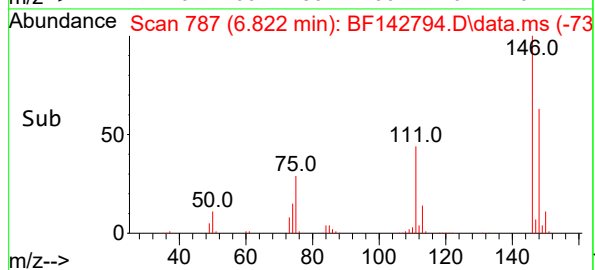
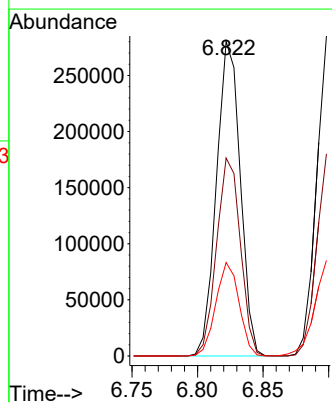
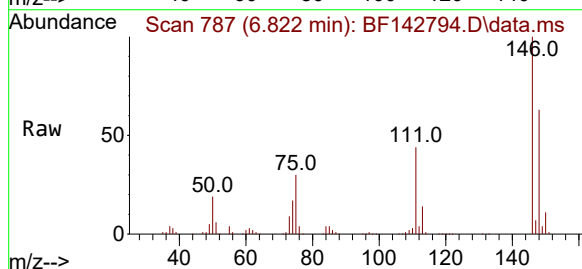
Instrument :
BNA_F
ClientSampleId :
SSTDICC060

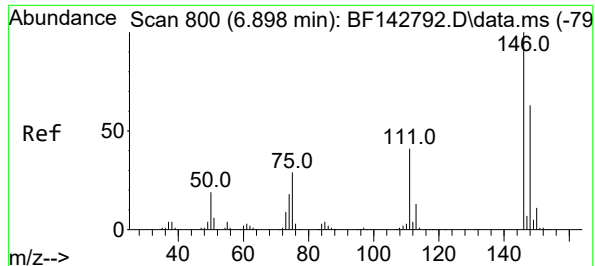
Tgt Ion: 93 Resp: 278869
Ion Ratio Lower Upper
93 100
63 78.5 60.3 100.3
95 32.1 12.5 52.5



#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

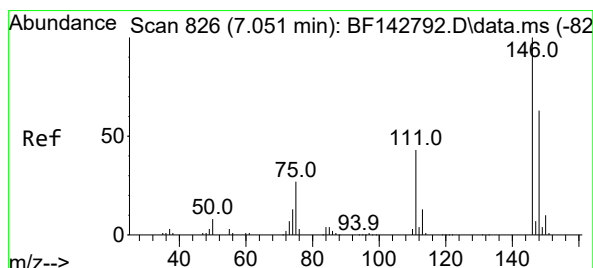
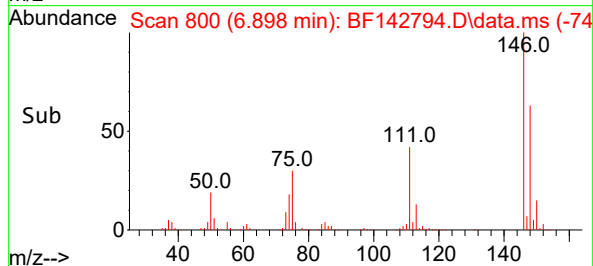
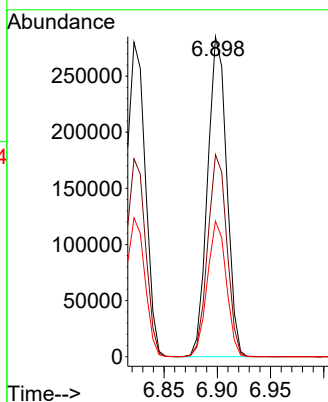
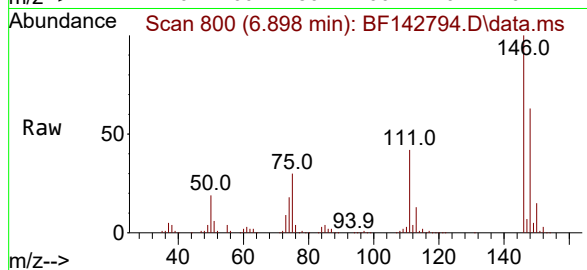
Tgt Ion:146 Resp: 356089

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

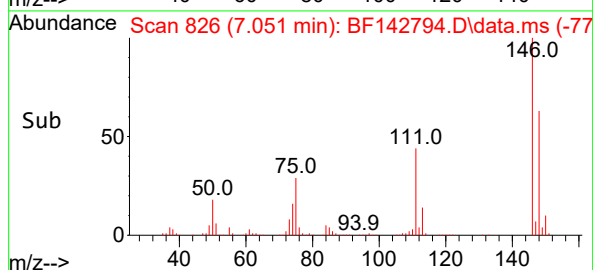
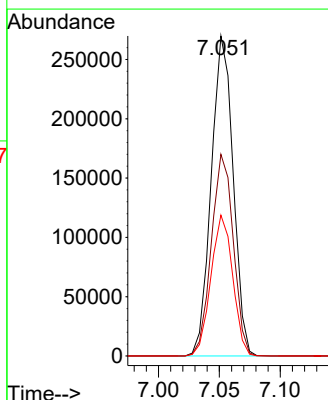
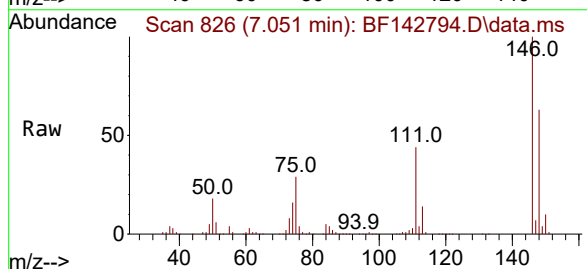
Tgt Ion:146 Resp: 338121

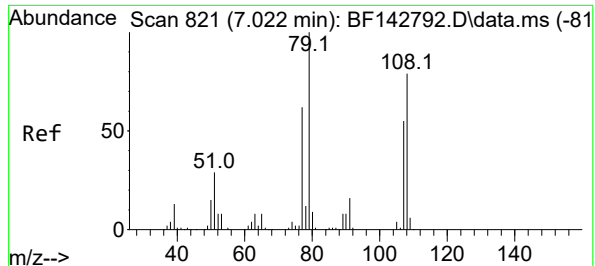
Ion Ratio Lower Upper

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

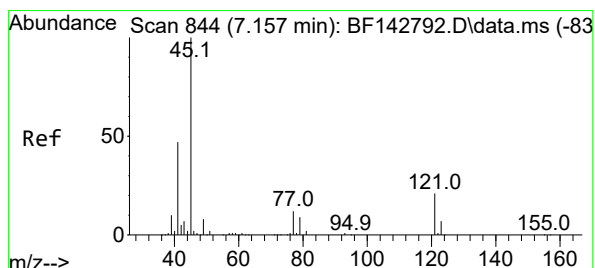
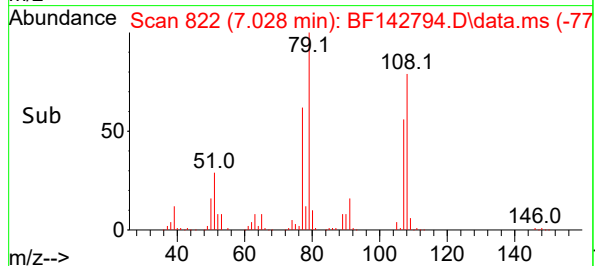
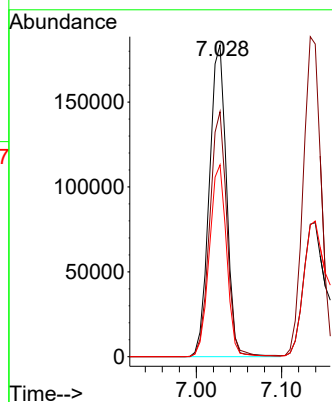
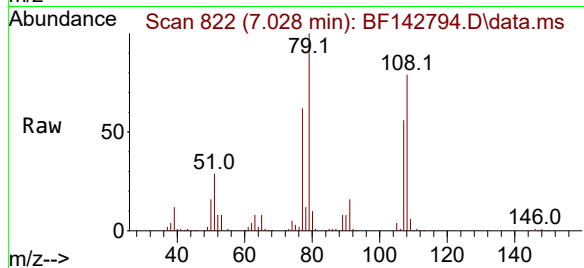
Tgt Ion: 79 Resp: 257749

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

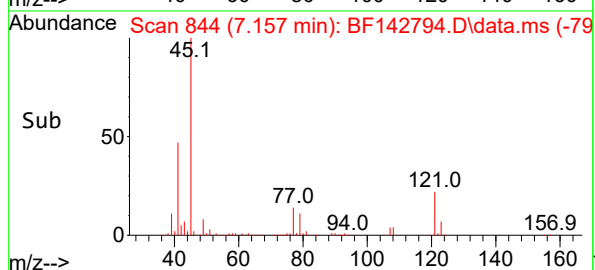
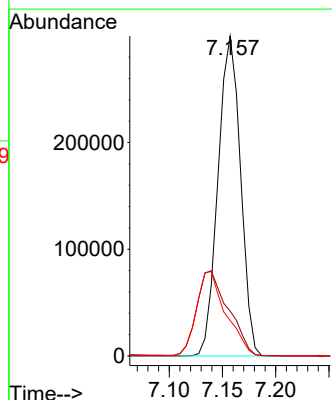
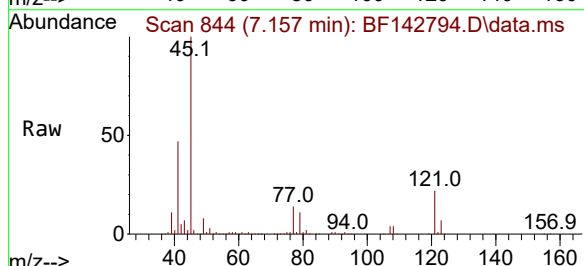
Tgt Ion: 45 Resp: 439082

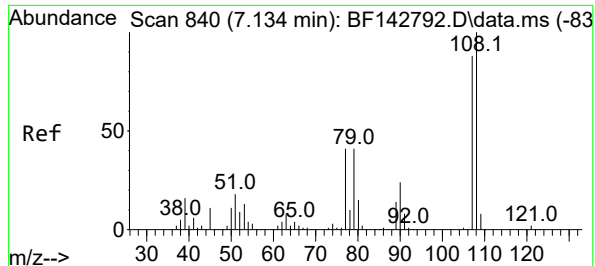
Ion Ratio Lower Upper

45 100

77 14.0 0.0 32.8

79 11.1 0.0 29.8

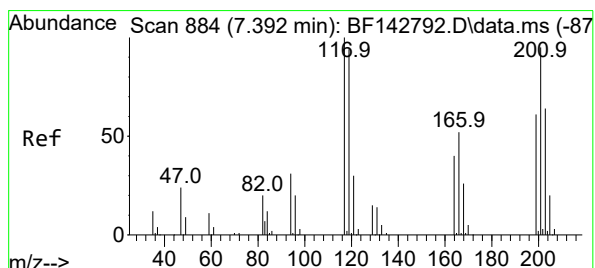
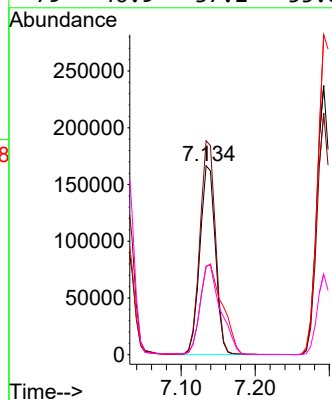
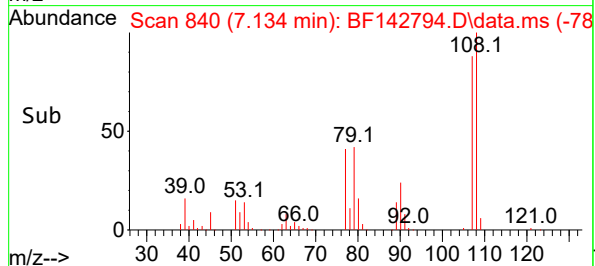
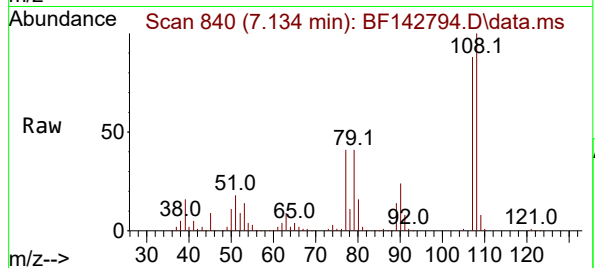




#17
2-Methylphenol
Concen: 59.716 ng
RT: 7.134 min Scan# 840
Delta R.T. 0.000 min
Lab File: BF142794.D
Acq: 19 Jun 2025 20:10

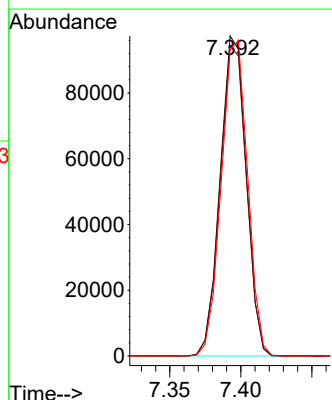
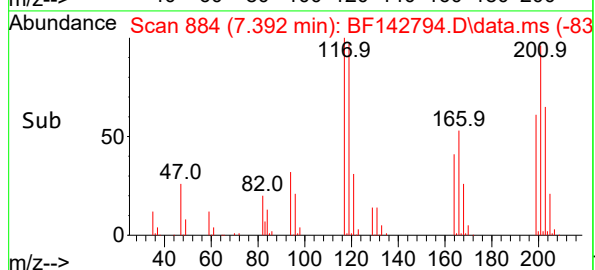
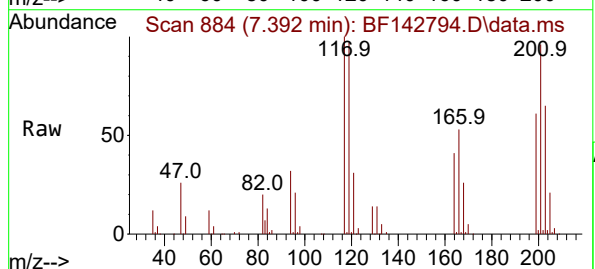
Instrument :
BNA_F
ClientSampleId :
SSTDICC060

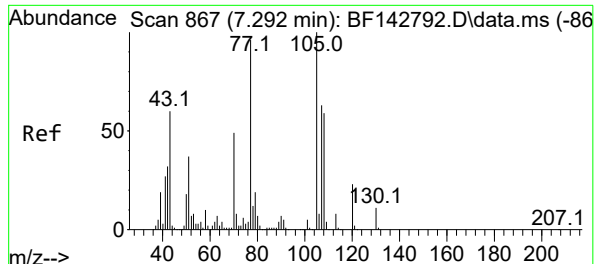
Tgt Ion:107 Resp: 242711
Ion Ratio Lower Upper
107 100
108 113.2 90.9 136.3
77 46.6 37.3 55.9
79 46.9 37.2 55.8



#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 :

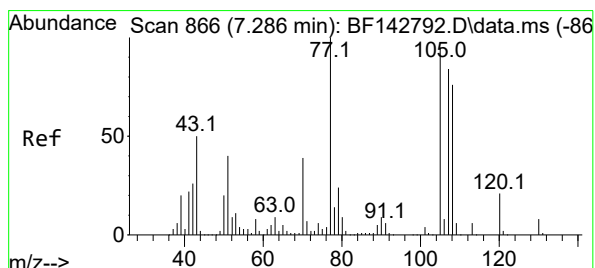
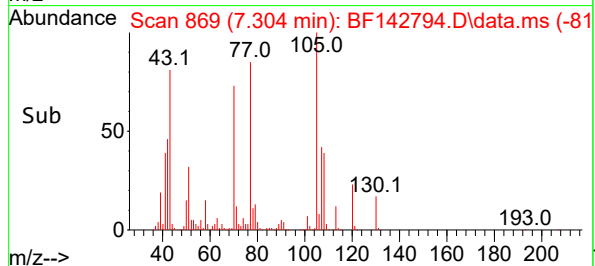
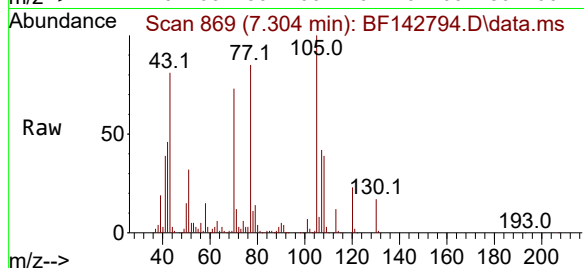
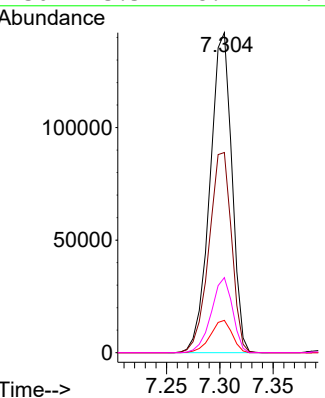
BNA_F

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

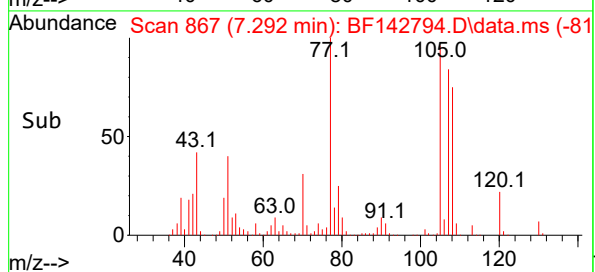
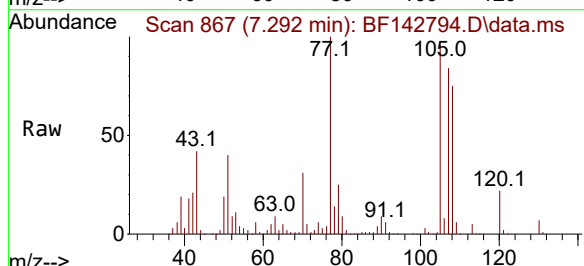
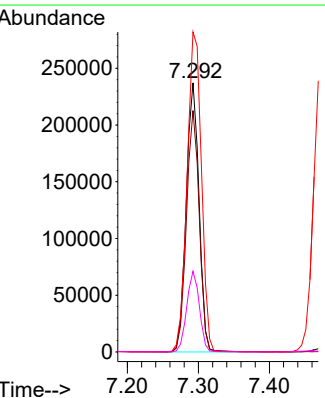
Delta R.T. 0.006 min

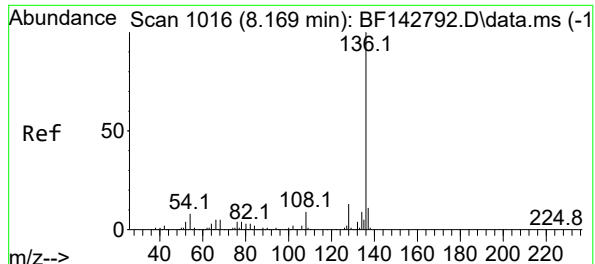
Lab File: BF142794.D

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

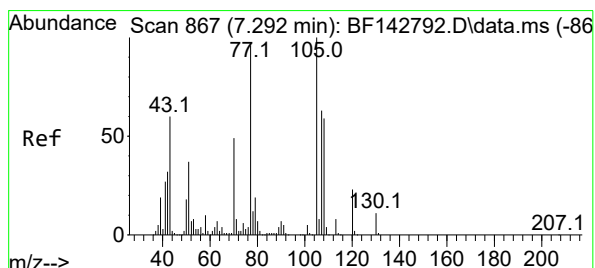
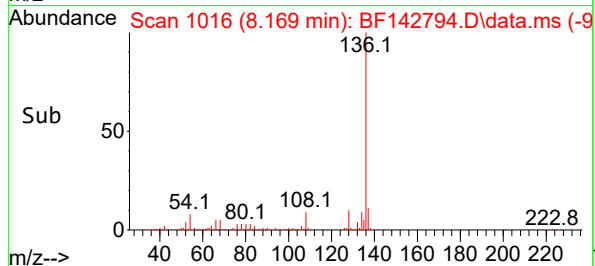
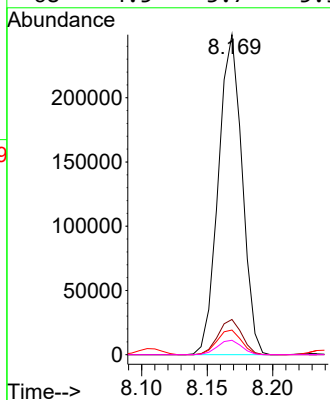
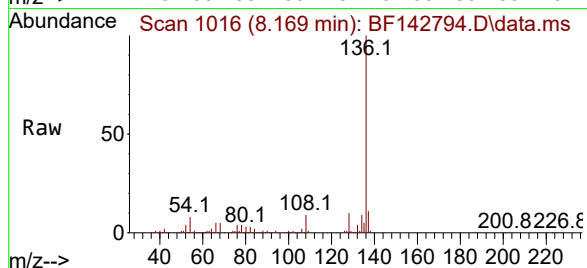
Ion Ratio Lower Upper

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

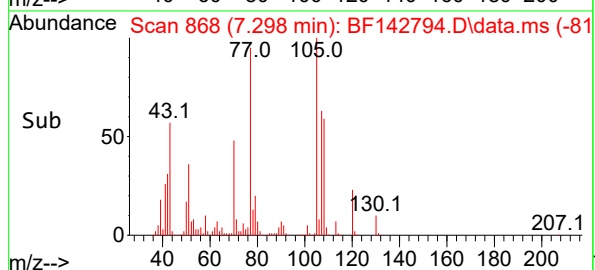
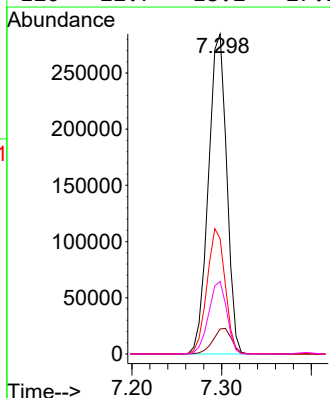
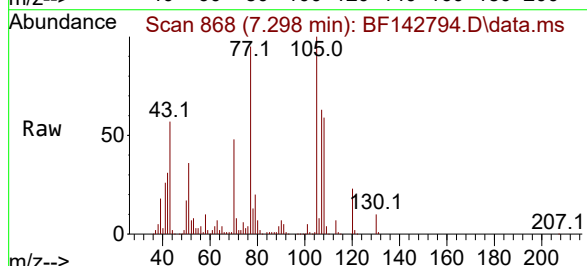
Ion Ratio Lower Upper

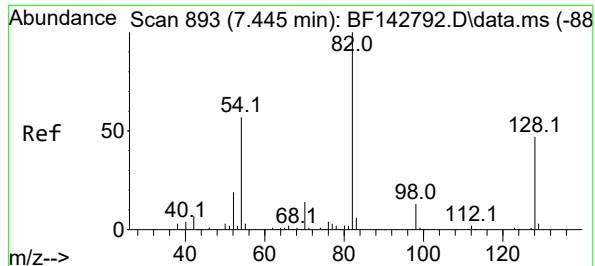
105 100

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

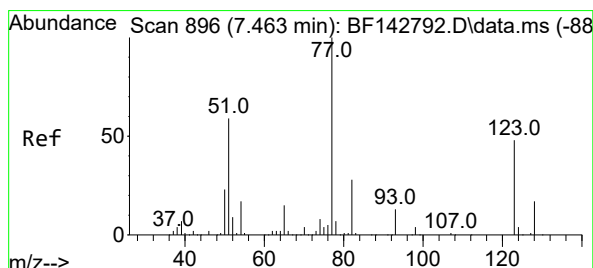
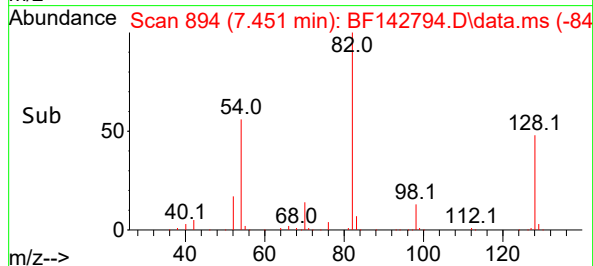
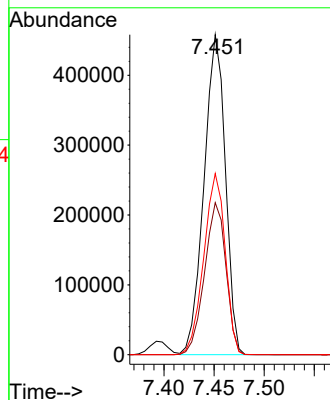
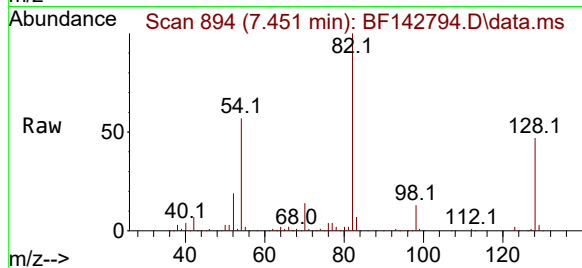
Tgt Ion: 82 Resp: 680402

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

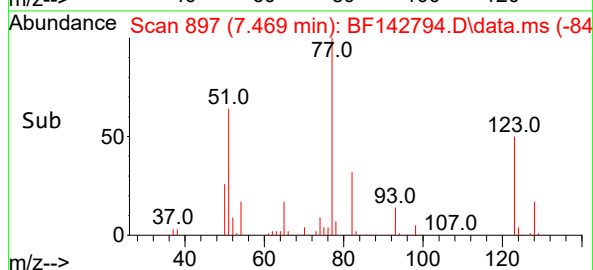
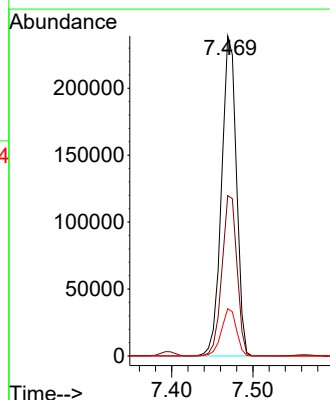
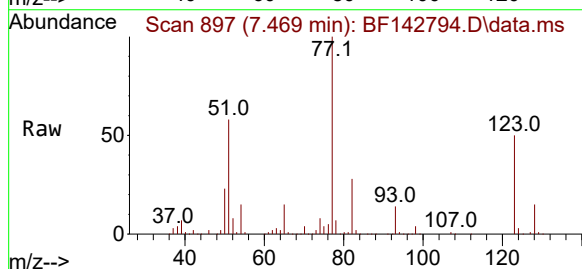
Tgt Ion: 77 Resp: 306032

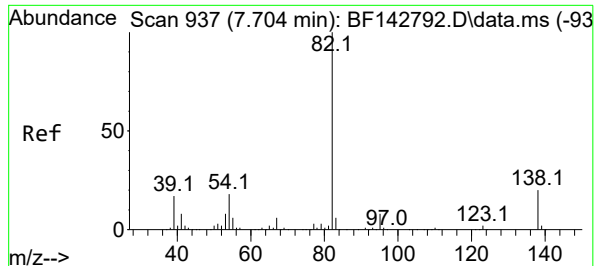
Ion Ratio Lower Upper

77 100

123 50.1 39.2 58.8

65 14.7 11.6 17.4

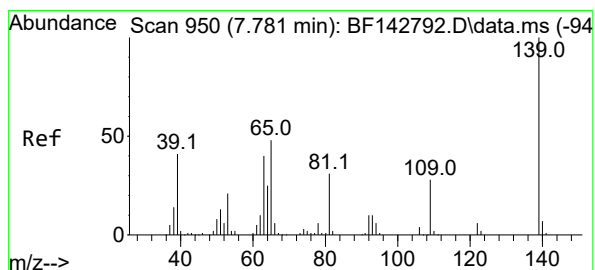
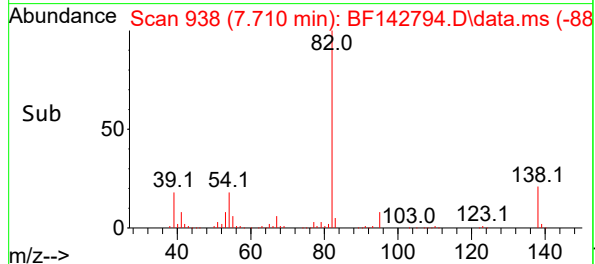
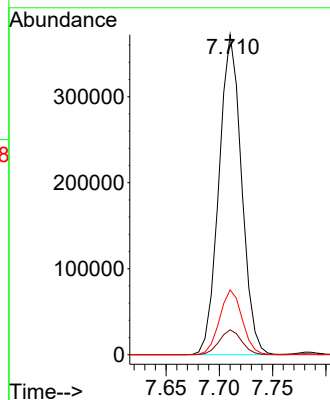
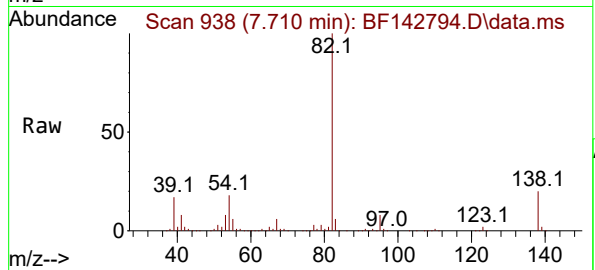




#25
Isophorone
Concen: 57.216 ng
RT: 7.710 min Scan# 910
Delta R.T. 0.006 min
Lab File: BF142794.D
Acq: 19 Jun 2025 20:10

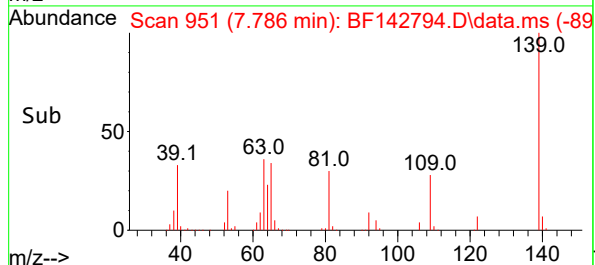
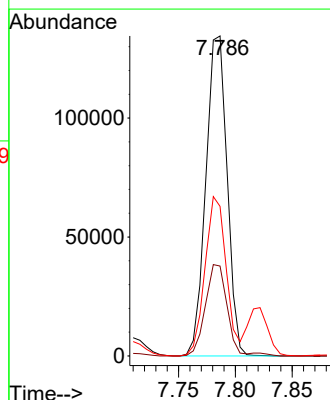
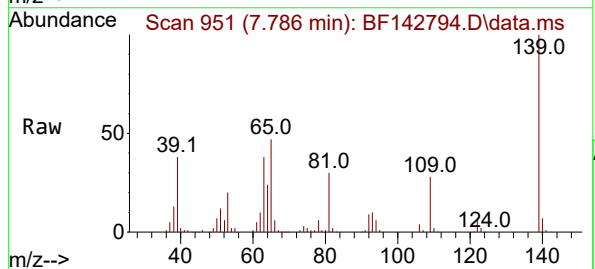
Instrument :
BNA_F
ClientSampleId :
SSTDIC060

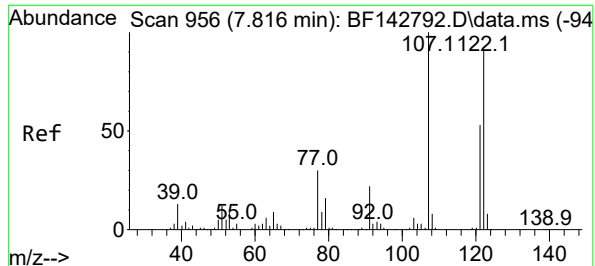
Tgt Ion: 82 Resp: 548612
Ion Ratio Lower Upper
82 100
95 7.8 6.2 9.2
138 20.3 16.2 24.4



#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

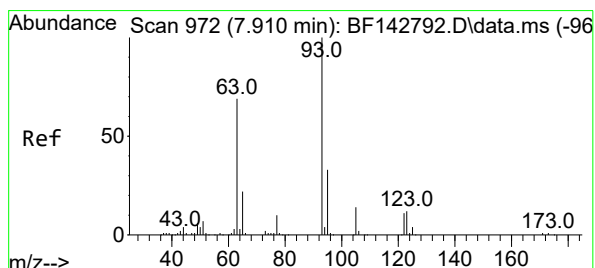
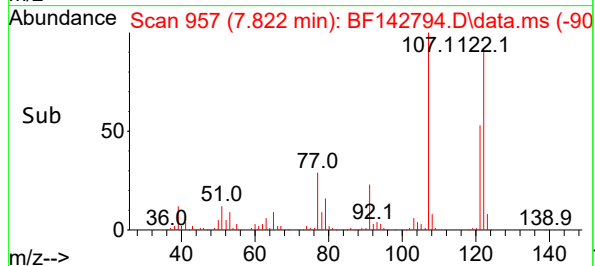
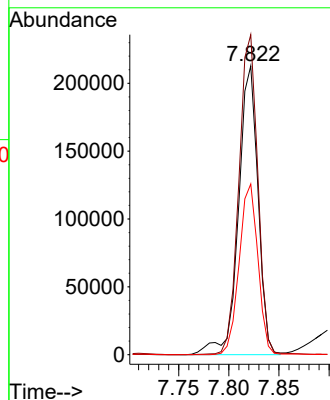
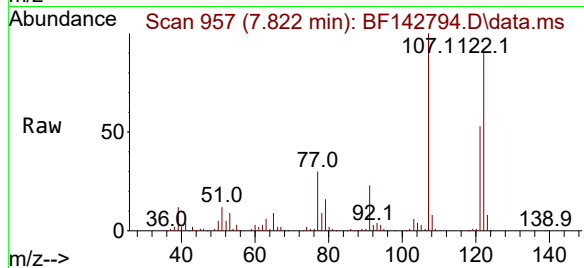
Tgt Ion:122 Resp: 288532

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

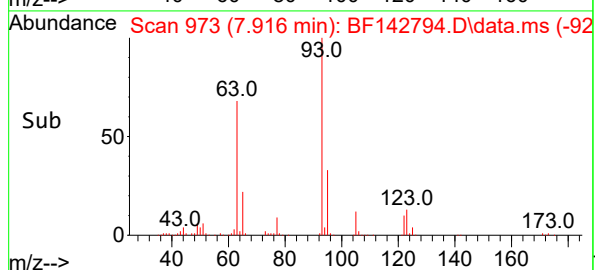
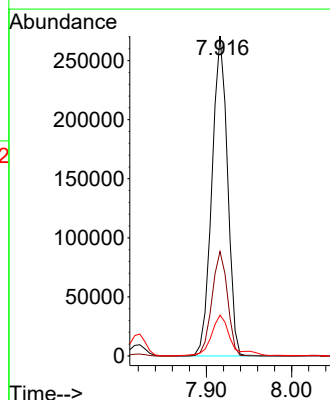
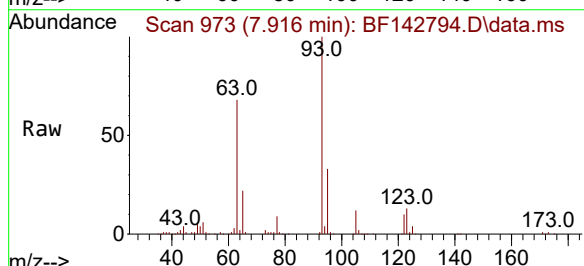
Tgt Ion: 93 Resp: 343925

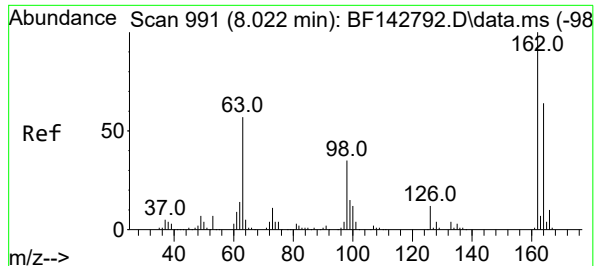
Ion Ratio Lower Upper

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

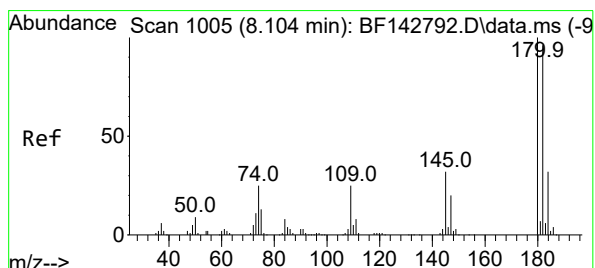
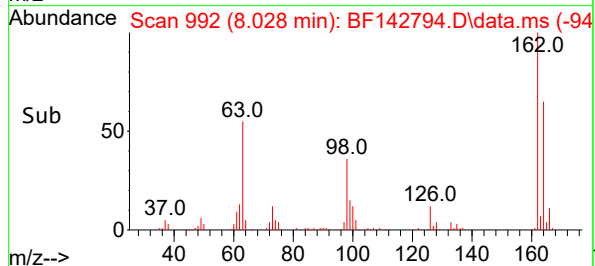
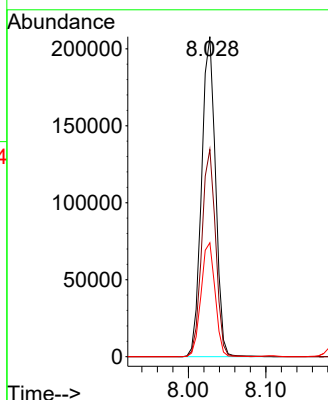
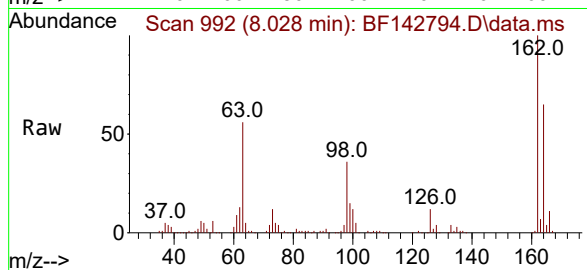
Tgt Ion:162 Resp: 260228

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

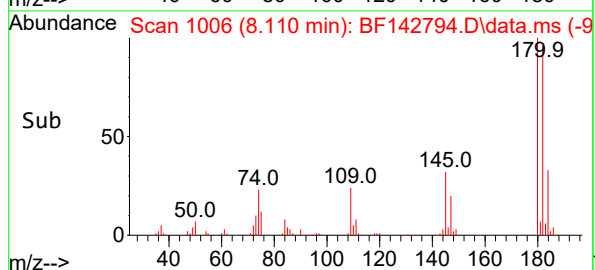
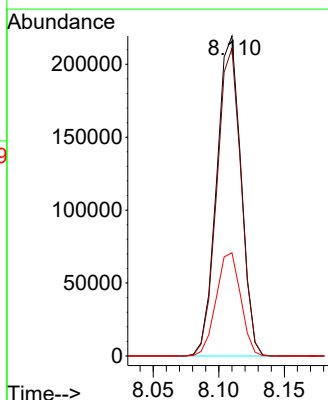
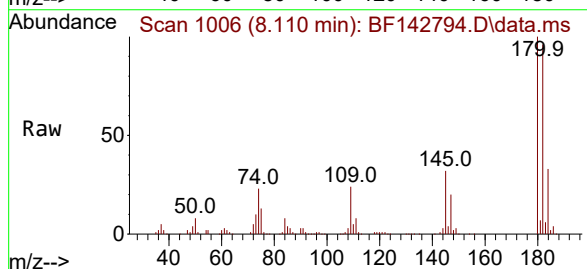
Tgt Ion:180 Resp: 282721

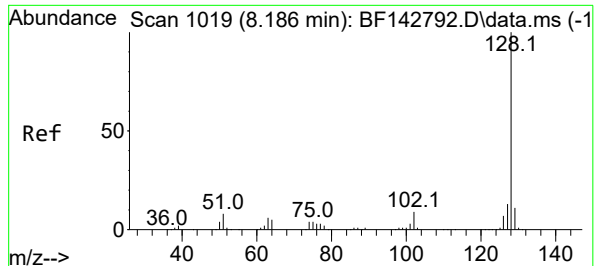
Ion Ratio Lower Upper

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# 1

Delta R.T. 0.006 min

Lab File: BF142794.D

Acq: 19 Jun 2025 20:10

Instrument :

BNA_F

ClientSampleId :

SSTDICC060

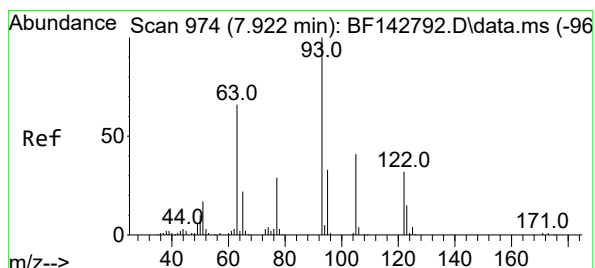
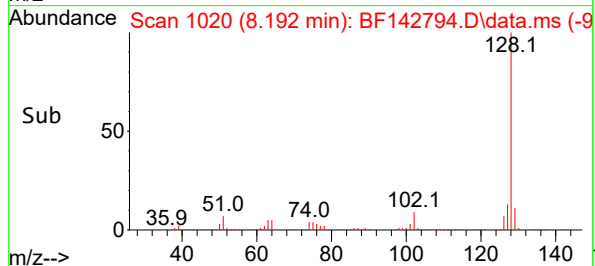
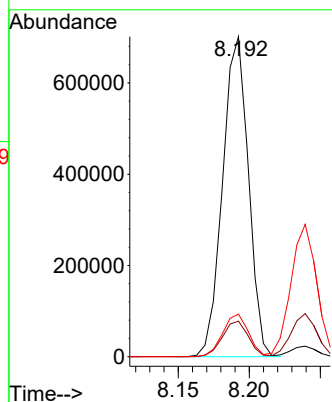
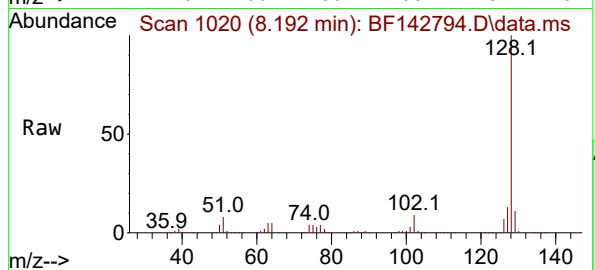
Tgt Ion:128 Resp: 886614

Ion Ratio Lower Upper

128 100

129 11.1 8.9 13.3

127 13.3 10.4 15.6



#32

Benzoic acid

Concen: 63.369 ng

RT: 7.945 min Scan# 978

Delta R.T. 0.024 min

Lab File: BF142794.D

Acq: 19 Jun 2025 20:10

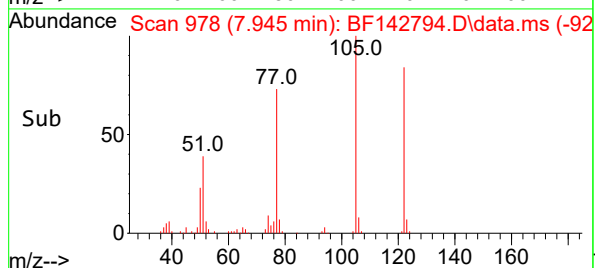
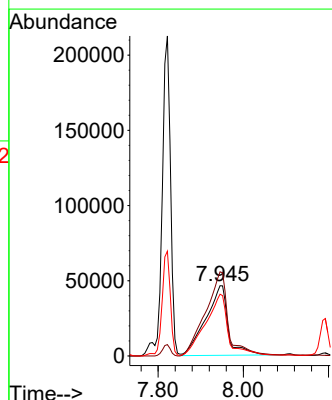
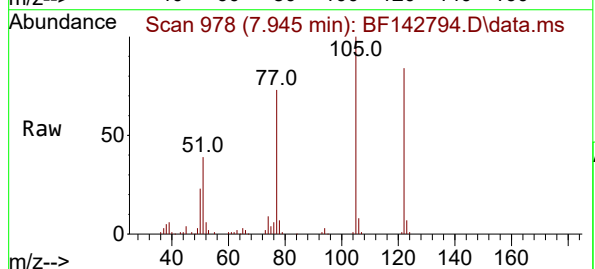
Tgt Ion:122 Resp: 169471

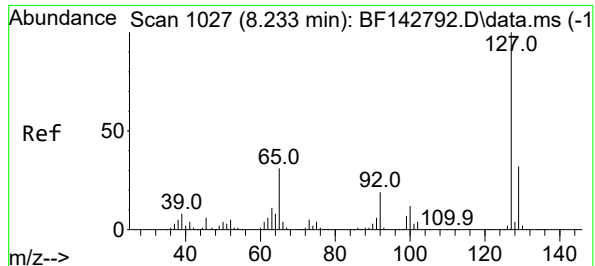
Ion Ratio Lower Upper

122 100

105 119.7 104.7 144.7

77 87.9 70.2 110.2





#33

4-Chloroaniline

Concen: 59.887 ng

RT: 8.239 min Scan# 1027

Delta R.T. 0.006 min

Lab File: BF142794.D

Acq: 19 Jun 2025 20:10

Instrument :

BNA_F

ClientSampleId :

SSTDICC060

Tgt Ion:127 Resp: 369911

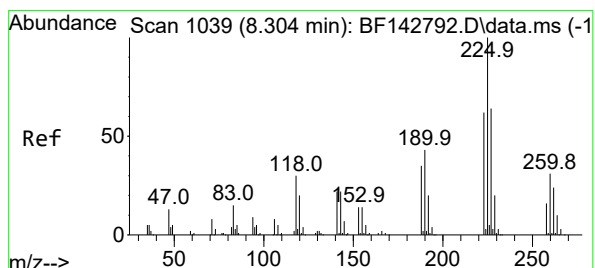
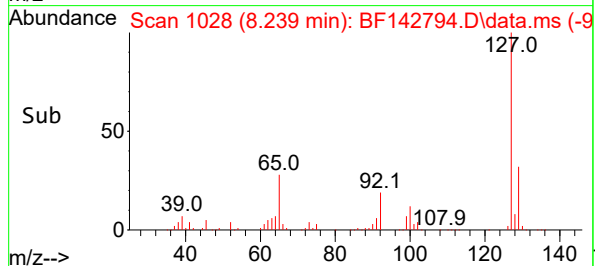
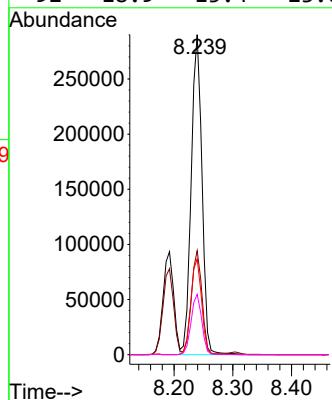
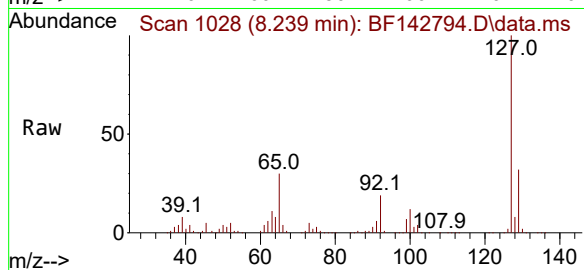
Ion Ratio Lower Upper

127 100

129 32.5 25.9 38.9

65 29.9 24.6 36.8

92 18.9 15.4 23.0



#34

Hexachlorobutadiene

Concen: 55.768 ng

RT: 8.304 min Scan# 1039

Delta R.T. 0.000 min

Lab File: BF142794.D

Acq: 19 Jun 2025 20:10

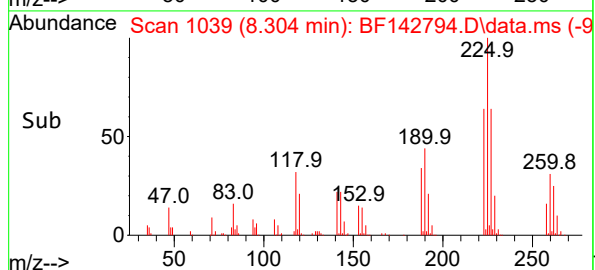
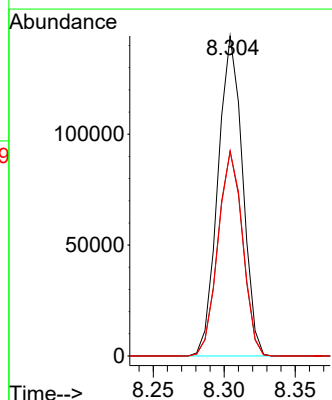
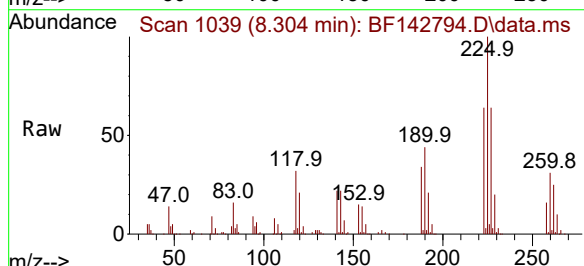
Tgt Ion:225 Resp: 173425

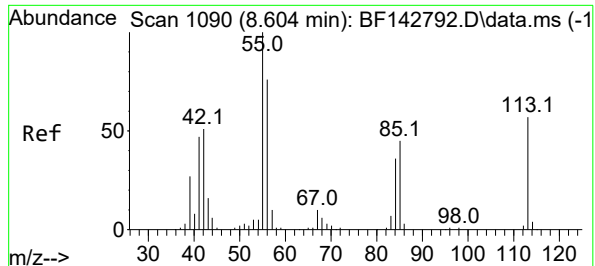
Ion Ratio Lower Upper

225 100

223 64.0 49.9 74.9

227 64.0 51.4 77.0

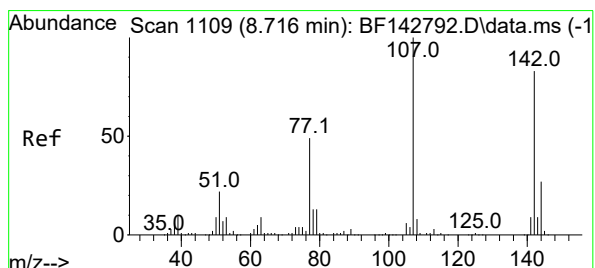
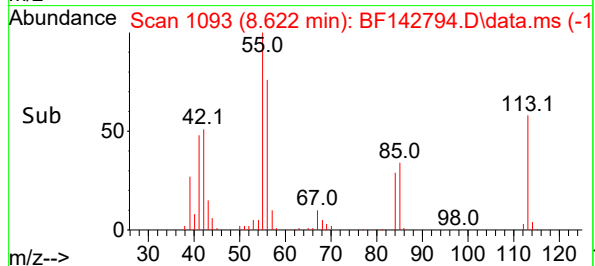
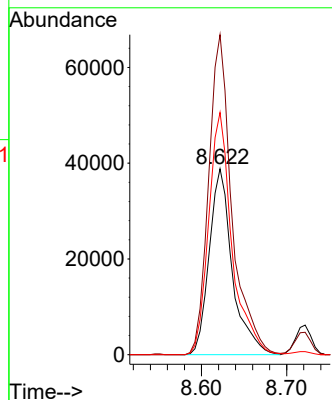
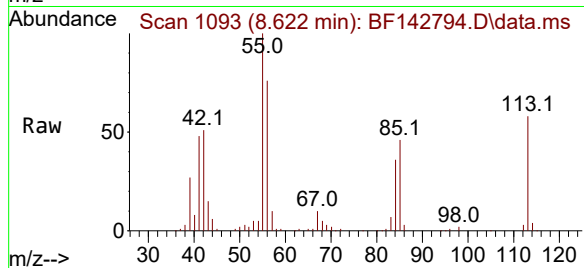




#35
Caprolactam
Concen: 61.157 ng
RT: 8.622 min Scan# 1109
Delta R.T. 0.018 min
Lab File: BF142794.D
Acq: 19 Jun 2025 20:10

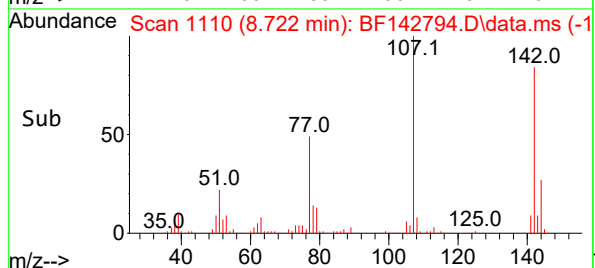
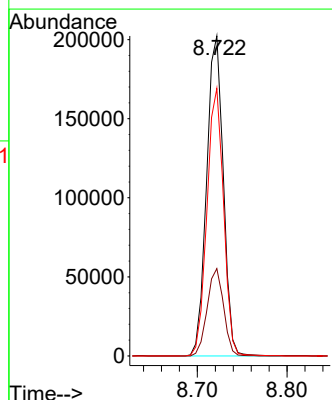
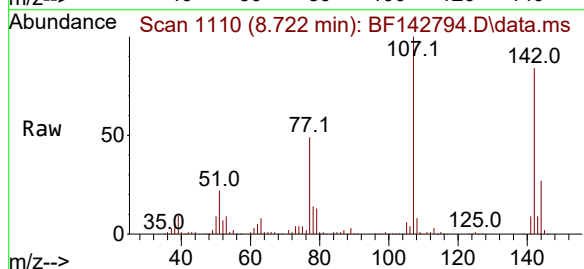
Instrument :
BNA_F
ClientSampleId :
SSTDICC060

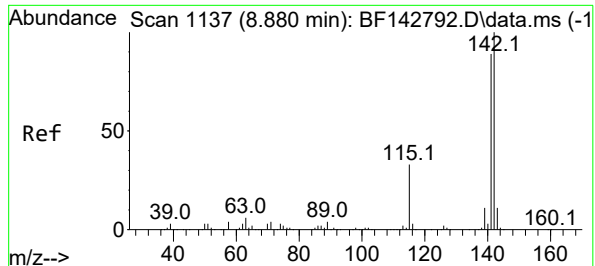
Tgt Ion:113 Resp: 73108
Ion Ratio Lower Upper
113 100
55 172.2 154.4 194.4
56 130.3 112.1 152.1



#36
4-Chloro-3-methylphenol
Concen: 56.927 ng
RT: 8.722 min Scan# 1110
Delta R.T. 0.006 min
Lab File: BF142794.D
Acq: 19 Jun 2025 20:10

Tgt Ion:107 Resp: 261249
Ion Ratio Lower Upper
107 100
144 27.3 21.3 31.9
142 83.6 66.6 100.0





#37

2-Methylnaphthalene

Concen: 56.406 ng

RT: 8.881 min Scan# 1137

Delta R.T. 0.000 min

Lab File: BF142794.D

Acq: 19 Jun 2025 20:10

Instrument :

BNA_F

ClientSampleId :

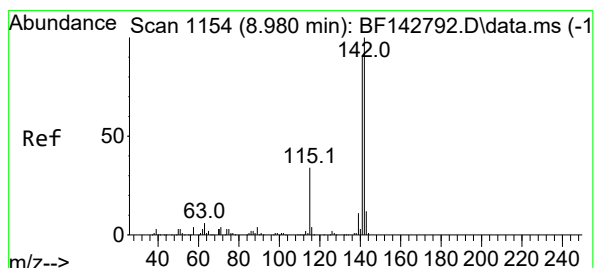
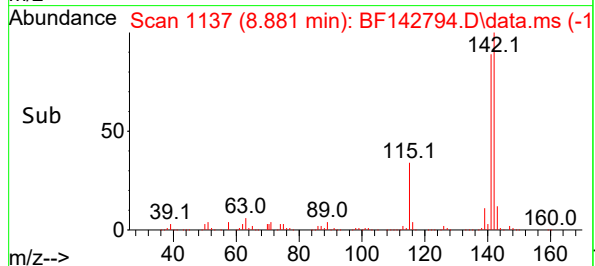
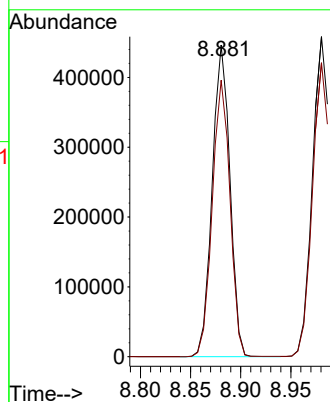
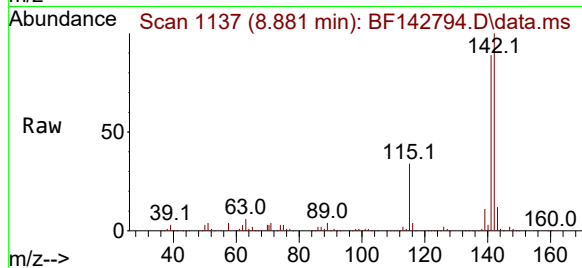
SSTDICC060

Tgt Ion:142 Resp: 548439

Ion Ratio Lower Upper

142 100

141 88.7 70.9 106.3



#38

1-Methylnaphthalene

Concen: 56.247 ng

RT: 8.980 min Scan# 1154

Delta R.T. 0.000 min

Lab File: BF142794.D

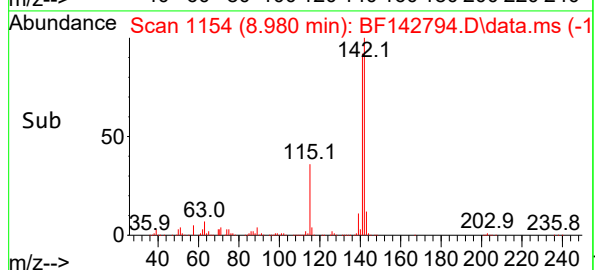
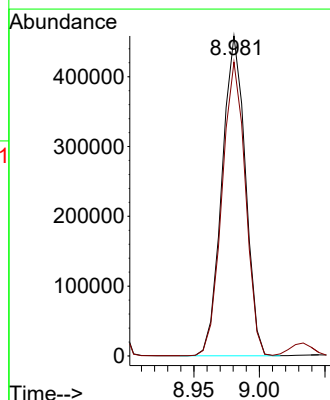
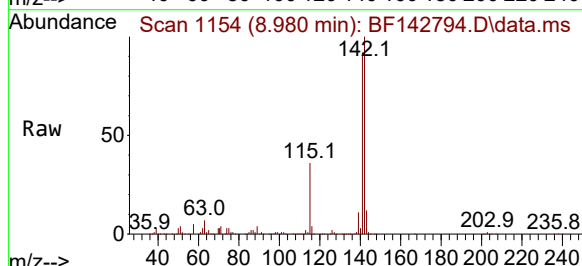
Acq: 19 Jun 2025 20:10

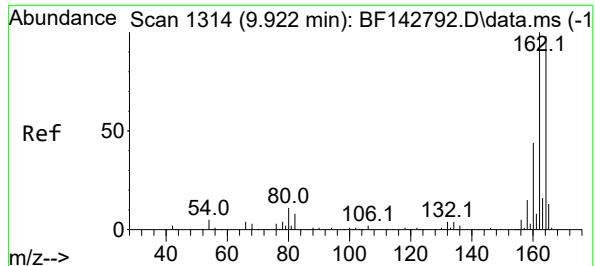
Tgt Ion:142 Resp: 567801

Ion Ratio Lower Upper

142 100

141 91.8 73.0 109.4





#39

Acenaphthene-d10

Concen: 20.000 ng

RT: 9.928 min Scan# 1115

Delta R.T. 0.006 min

Lab File: BF142794.D

Acq: 19 Jun 2025 20:10

Instrument :

BNA_F

ClientSampleId :

SSTDICC060

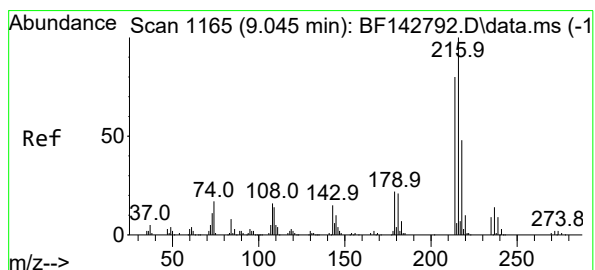
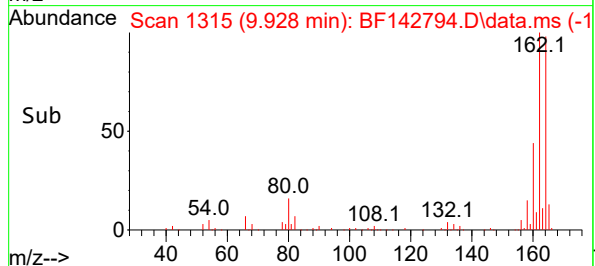
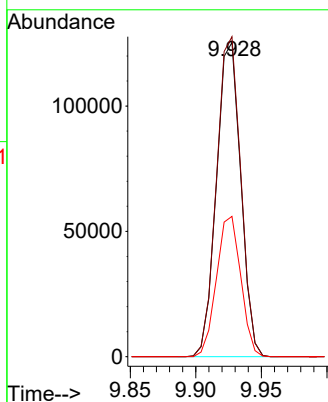
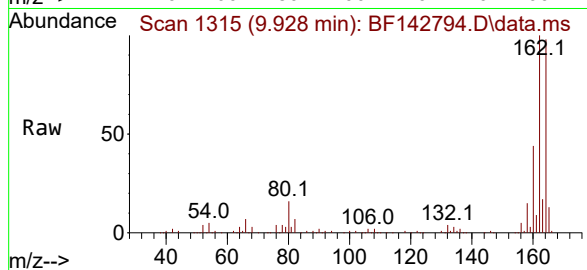
Tgt Ion:164 Resp: 161044

Ion Ratio Lower Upper

164 100

162 101.9 81.8 122.8

160 44.7 36.0 54.0



#40

1,2,4,5-Tetrachlorobenzene

Concen: 59.918 ng

RT: 9.045 min Scan# 1165

Delta R.T. 0.000 min

Lab File: BF142794.D

Acq: 19 Jun 2025 20:10

Tgt Ion:216 Resp: 278551

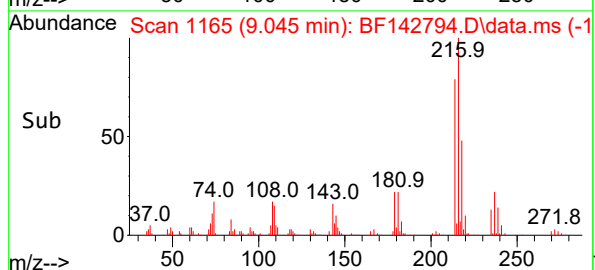
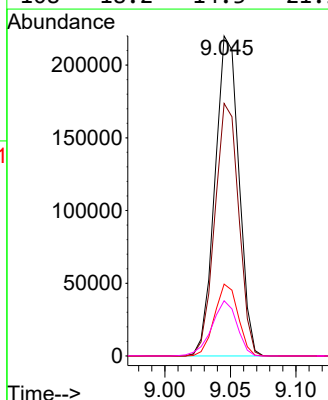
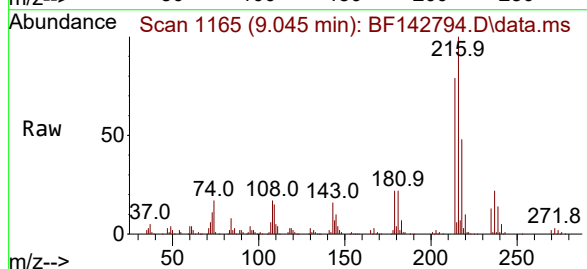
Ion Ratio Lower Upper

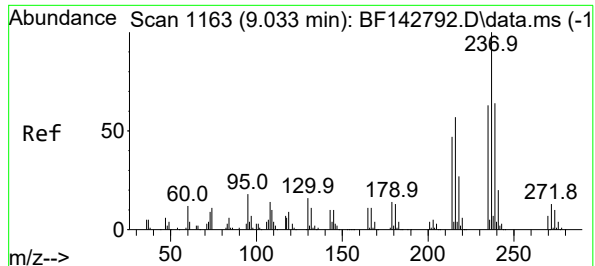
216 100

214 78.8 63.7 95.5

179 22.1 17.6 26.4

108 18.2 14.3 21.5

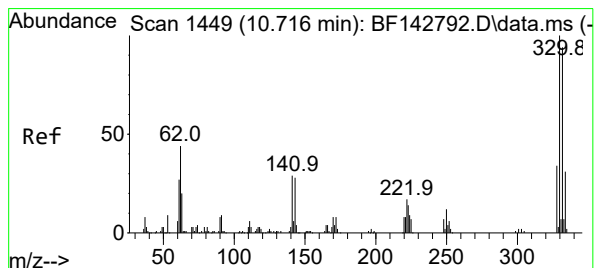
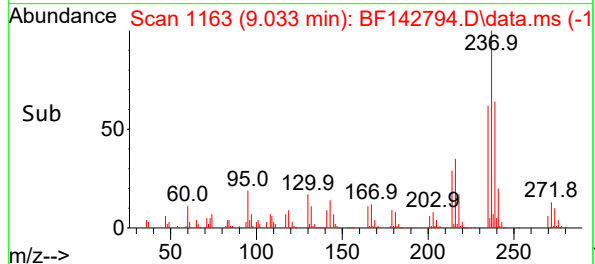
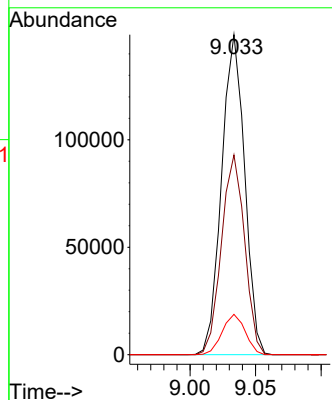
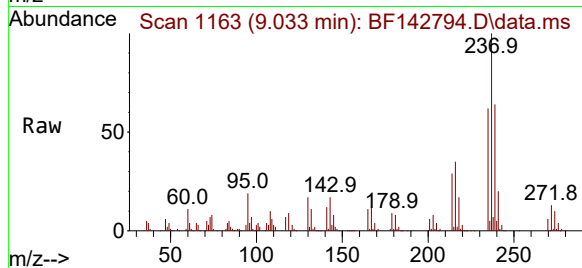




#41
Hexachlorocyclopentadiene
Concen: 61.835 ng
RT: 9.033 min Scan# 1163
Delta R.T. 0.000 min
Lab File: BF142794.D
Acq: 19 Jun 2025 20:10

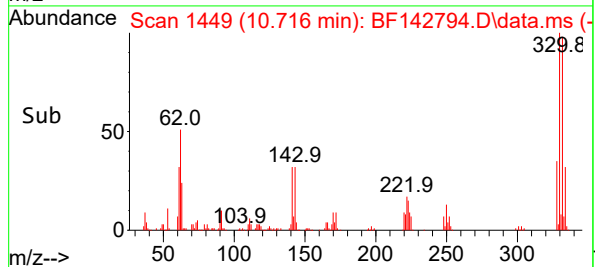
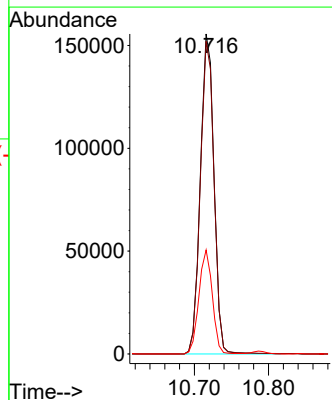
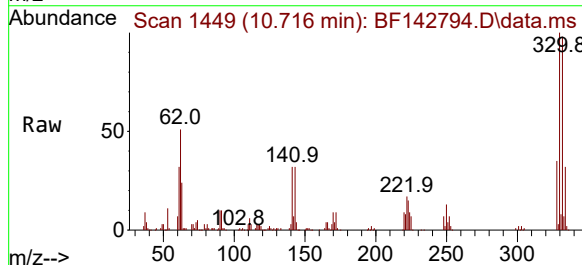
Instrument :
BNA_F
ClientSampleId :
SSTDICC060

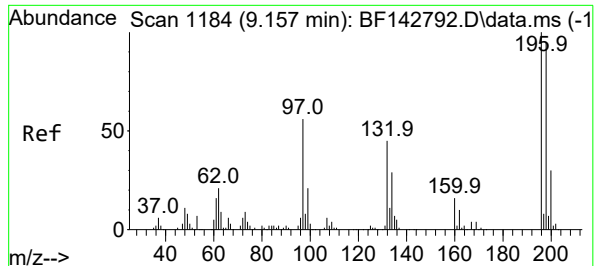
Tgt Ion:237 Resp: 181771
Ion Ratio Lower Upper
237 100
235 62.4 43.4 83.4
272 12.6 0.0 32.7



#42
2,4,6-Tribromophenol
Concen: 113.541 ng
RT: 10.716 min Scan# 1449
Delta R.T. 0.000 min
Lab File: BF142794.D
Acq: 19 Jun 2025 20:10

Tgt Ion:330 Resp: 198721
Ion Ratio Lower Upper
330 100
332 98.3 75.0 112.6
141 32.0 25.3 37.9





#43

2,4,6-Trichlorophenol

Concen: 62.392 ng

RT: 9.157 min Scan# 1184

Delta R.T. 0.000 min

Lab File: BF142794.D

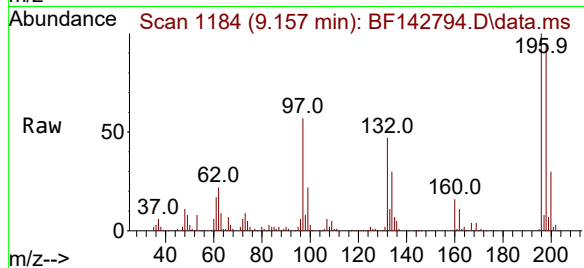
Acq: 19 Jun 2025 20:10

Instrument :

BNA_F

ClientSampleId :

SSTDICC060



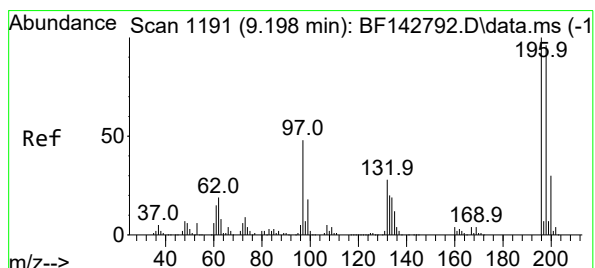
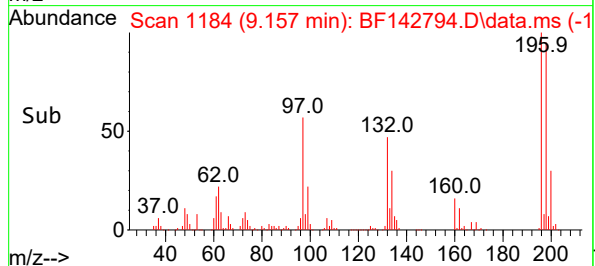
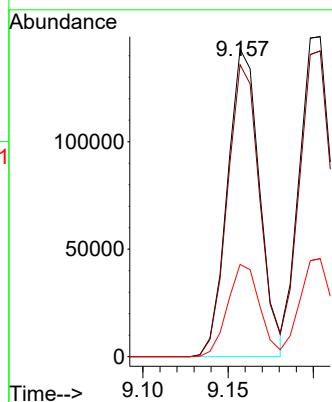
Tgt Ion:196 Resp: 187708

Ion Ratio Lower Upper

196 100

198 94.9 76.2 114.2

200 29.9 24.1 36.1



#44

2,4,5-Trichlorophenol

Concen: 60.565 ng

RT: 9.204 min Scan# 1192

Delta R.T. 0.006 min

Lab File: BF142794.D

Acq: 19 Jun 2025 20:10

Tgt Ion:196 Resp: 196769

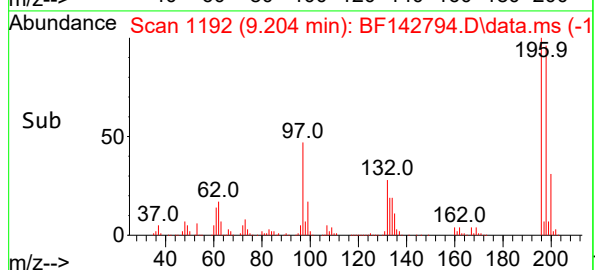
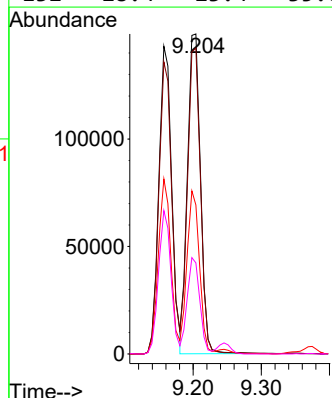
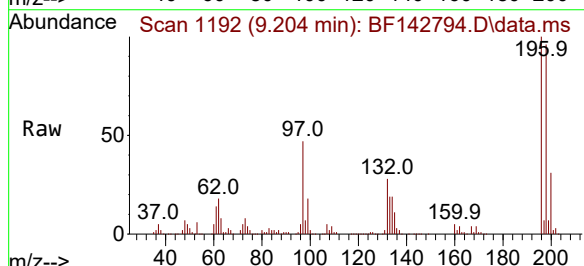
Ion Ratio Lower Upper

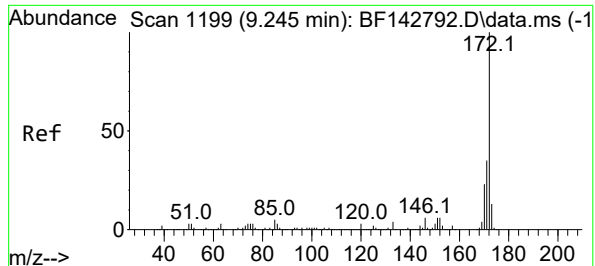
196 100

198 95.6 76.6 115.0

97 46.6 38.2 57.2

132 28.4 23.4 35.0





#45

2-Fluorobiphenyl

Concen: 112.392 ng

RT: 9.245 min Scan# 1199

Delta R.T. 0.000 min

Lab File: BF142794.D

Acq: 19 Jun 2025 20:10

Instrument :

BNA_F

ClientSampleId :

SSTDICC060

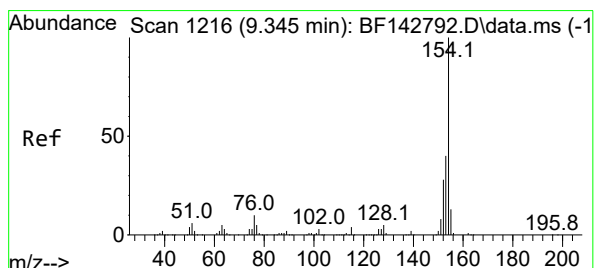
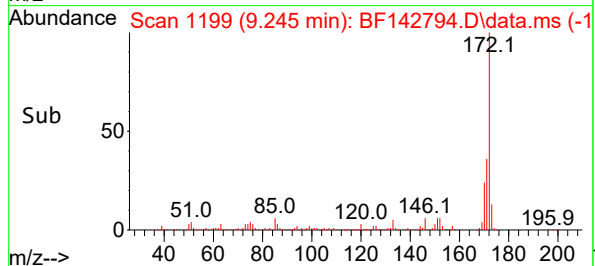
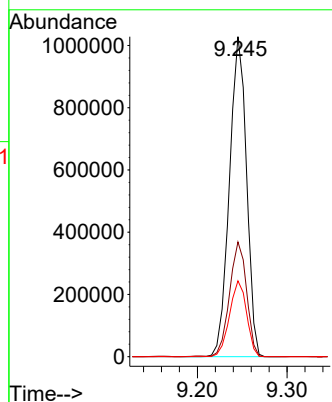
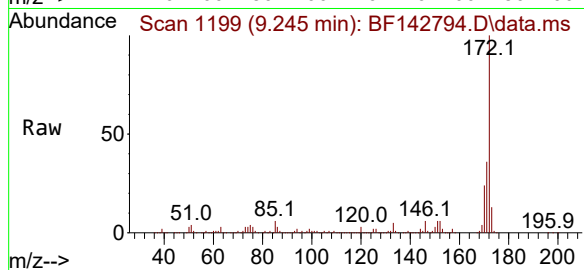
Tgt Ion:172 Resp: 1360586

Ion Ratio Lower Upper

172 100

171 35.9 28.2 42.4

170 23.7 18.5 27.7



#46

1,1'-Biphenyl

Concen: 58.937 ng

RT: 9.345 min Scan# 1216

Delta R.T. 0.000 min

Lab File: BF142794.D

Acq: 19 Jun 2025 20:10

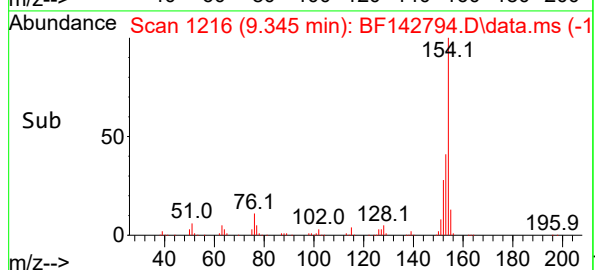
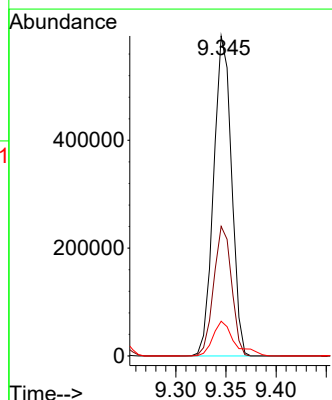
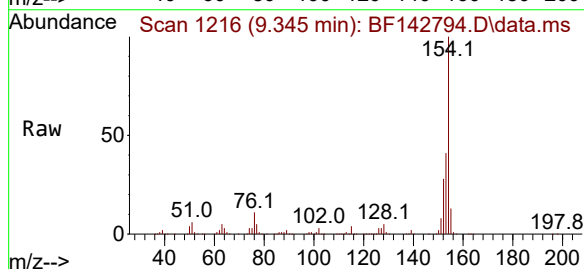
Tgt Ion:154 Resp: 736970

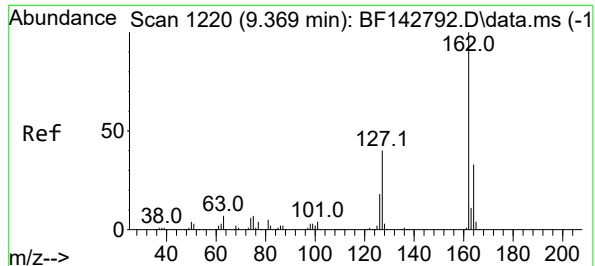
Ion Ratio Lower Upper

154 100

153 40.5 20.3 60.3

76 10.9 0.0 30.3





#47

2-Chloronaphthalene

Concen: 59.966 ng

RT: 9.375 min Scan# 11

Delta R.T. 0.006 min

Lab File: BF142794.D

Acq: 19 Jun 2025 20:10

Instrument :

BNA_F

ClientSampleId :

SSTDICC060

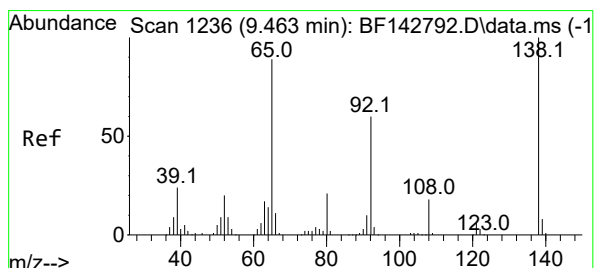
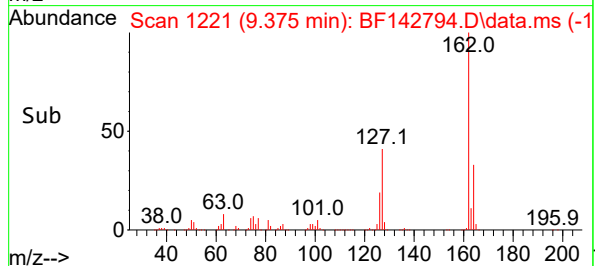
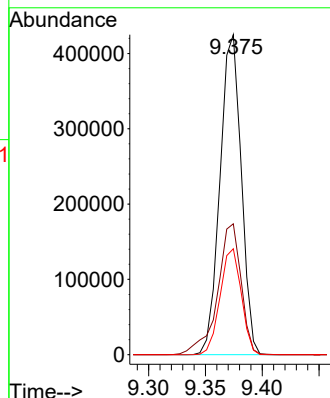
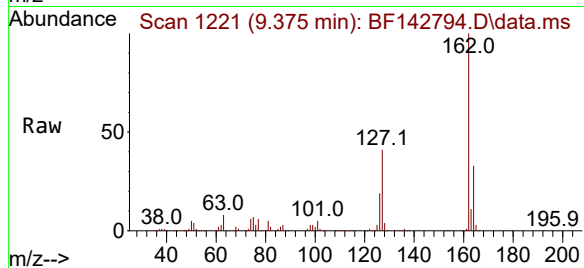
Tgt Ion:162 Resp: 553304

Ion Ratio Lower Upper

162 100

127 40.9 32.2 48.2

164 33.1 26.1 39.1



#48

2-Nitroaniline

Concen: 62.067 ng

RT: 9.469 min Scan# 1237

Delta R.T. 0.006 min

Lab File: BF142794.D

Acq: 19 Jun 2025 20:10

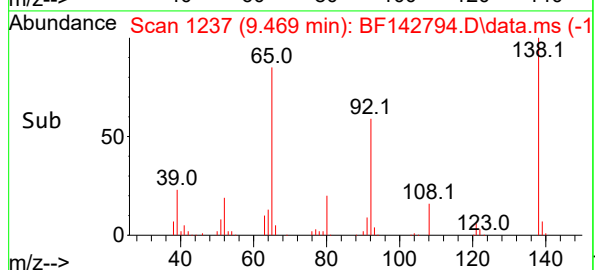
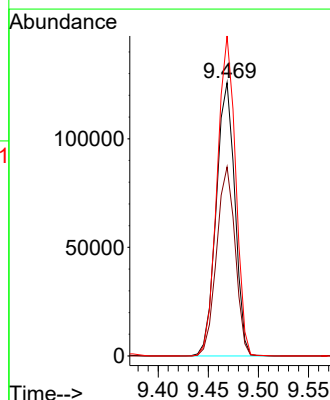
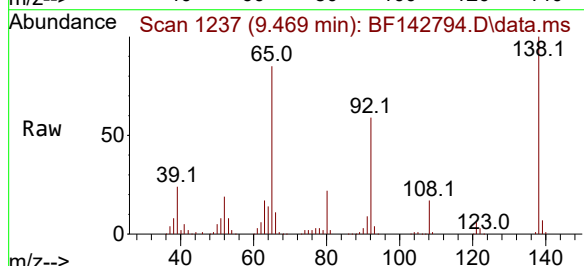
Tgt Ion: 65 Resp: 162701

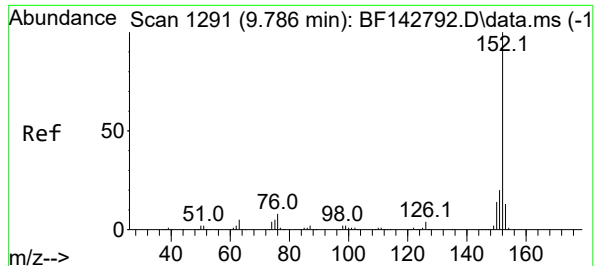
Ion Ratio Lower Upper

65 100

92 69.2 53.8 80.6

138 117.1 89.6 134.4





#49

Acenaphthylene

Concen: 58.892 ng

RT: 9.786 min Scan# 1291

Delta R.T. 0.000 min

Lab File: BF142794.D

Acq: 19 Jun 2025 20:10

Instrument :

BNA_F

ClientSampleId :

SSTDICC060

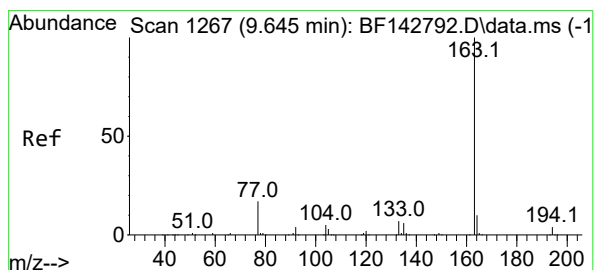
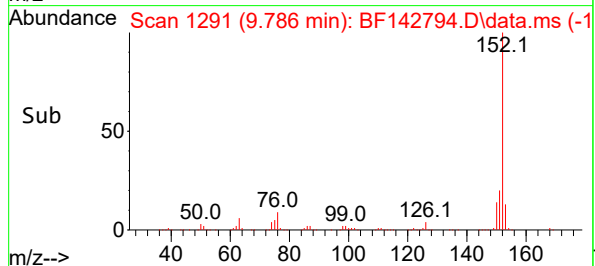
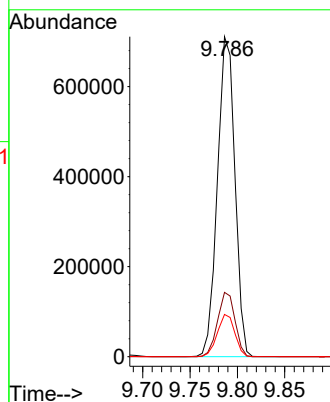
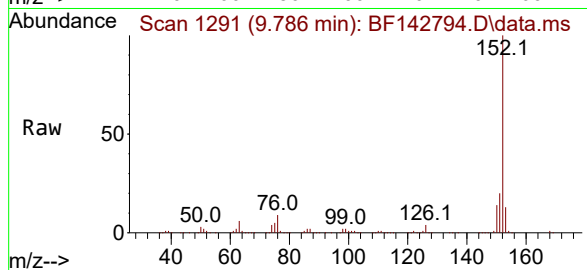
Tgt Ion:152 Resp: 913540

Ion Ratio Lower Upper

152 100

151 20.1 16.1 24.1

153 13.2 10.4 15.6



#50

Dimethylphthalate

Concen: 57.767 ng

RT: 9.651 min Scan# 1268

Delta R.T. 0.006 min

Lab File: BF142794.D

Acq: 19 Jun 2025 20:10

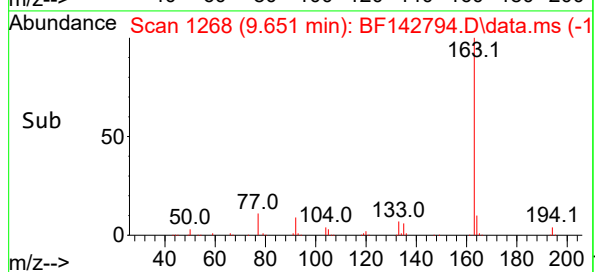
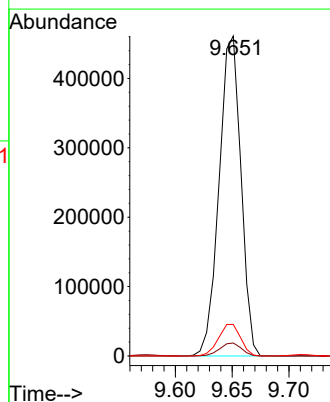
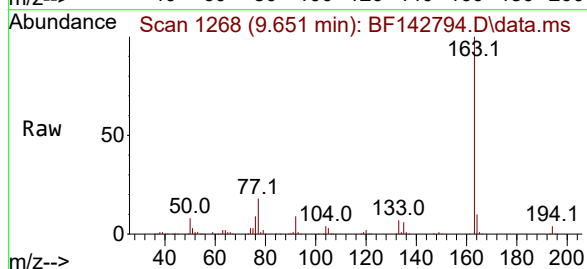
Tgt Ion:163 Resp: 617097

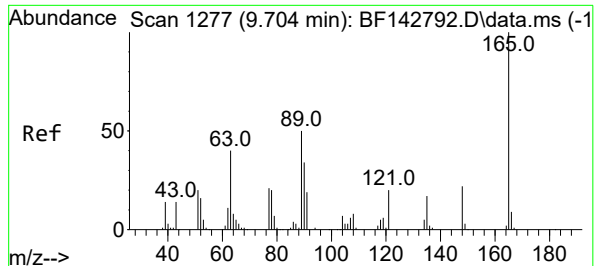
Ion Ratio Lower Upper

163 100

194 4.1 3.3 4.9

164 9.9 8.0 12.0

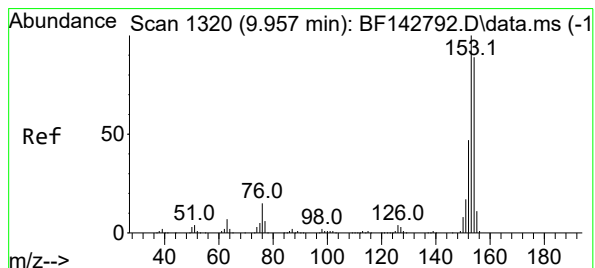
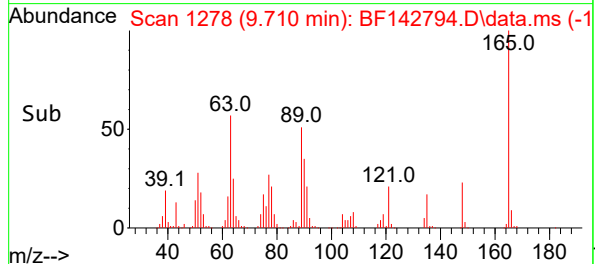
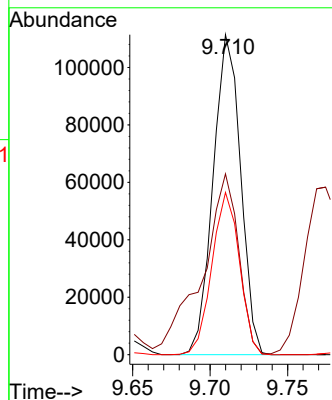
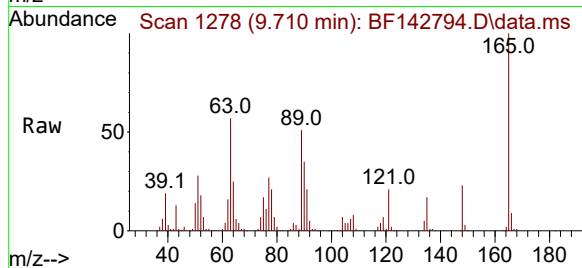




#51
2,6-Dinitrotoluene
Concen: 59.299 ng
RT: 9.710 min Scan# 1278
Delta R.T. 0.006 min
Lab File: BF142794.D
Acq: 19 Jun 2025 20:10

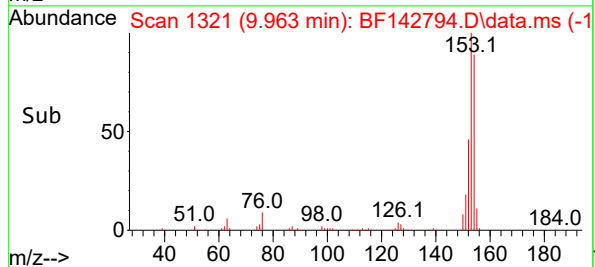
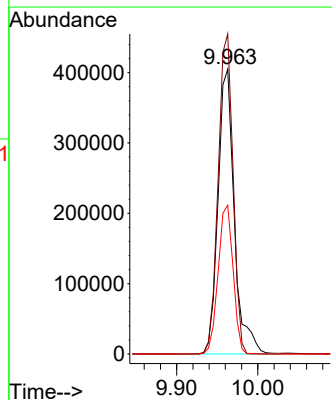
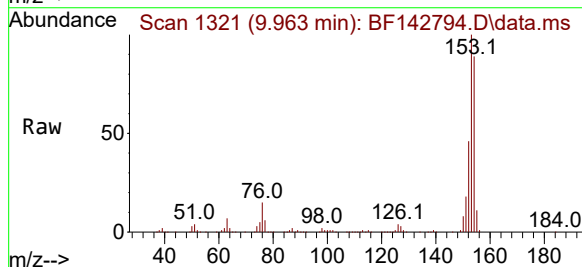
Instrument :
BNA_F
ClientSampleId :
SSTDICC060

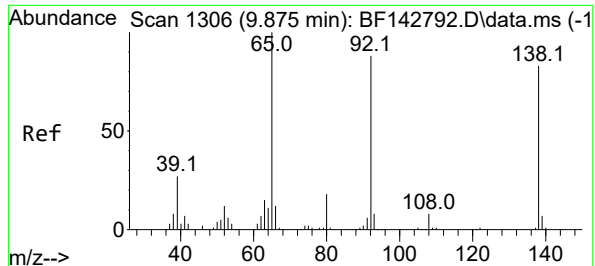
Tgt Ion:165 Resp: 137318
Ion Ratio Lower Upper
165 100
63 56.5 44.2 66.4
89 50.7 39.8 59.8



#52
Acenaphthene
Concen: 58.980 ng
RT: 9.963 min Scan# 1321
Delta R.T. 0.006 min
Lab File: BF142794.D
Acq: 19 Jun 2025 20:10

Tgt Ion:154 Resp: 566138
Ion Ratio Lower Upper
154 100
153 112.4 90.0 135.0
152 52.2 41.9 62.9





#53

3-Nitroaniline

Concen: 61.386 ng

RT: 9.880 min Scan# 11

Delta R.T. 0.006 min

Lab File: BF142794.D

Acq: 19 Jun 2025 20:10

Instrument :

BNA_F

ClientSampleId :

SSTDICC060

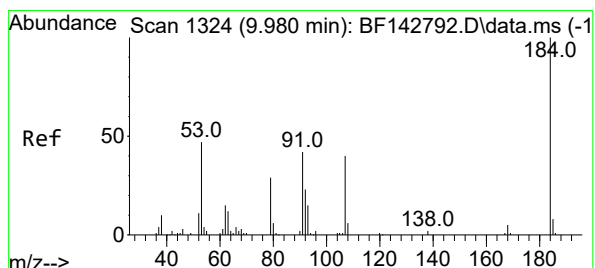
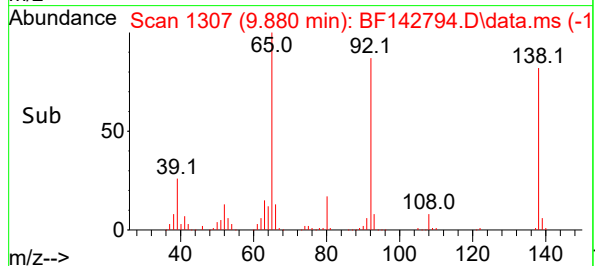
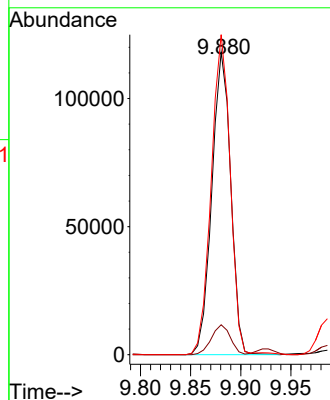
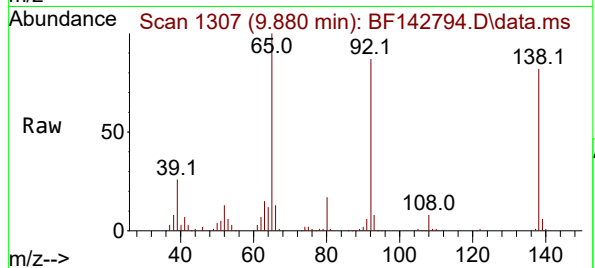
Tgt Ion:138 Resp: 154402

Ion Ratio Lower Upper

138 100

108 9.9 8.1 12.1

92 105.7 85.1 127.7



#54

2,4-Dinitrophenol

Concen: 62.843 ng

RT: 9.986 min Scan# 1325

Delta R.T. 0.006 min

Lab File: BF142794.D

Acq: 19 Jun 2025 20:10

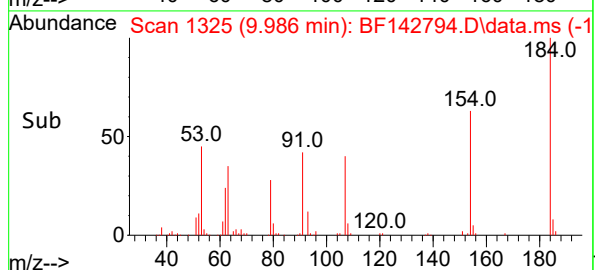
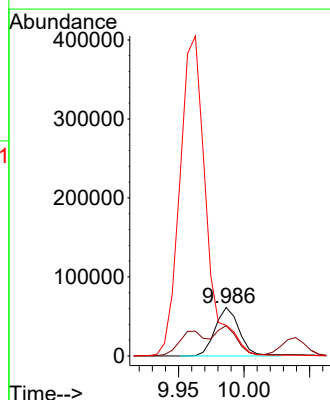
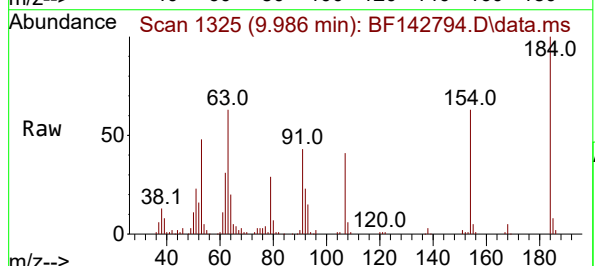
Tgt Ion:184 Resp: 78750

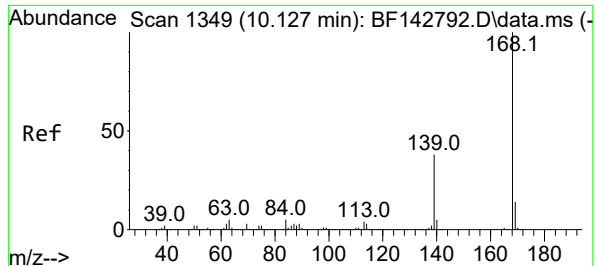
Ion Ratio Lower Upper

184 100

63 62.6 50.6 75.8

154 63.4 51.8 77.8





#55

Dibenzenofuran

Concen: 58.567 ng

RT: 10.133 min Scan# 11

Delta R.T. 0.006 min

Lab File: BF142794.D

Acq: 19 Jun 2025 20:10

Instrument :

BNA_F

ClientSampleId :

SSTDICC060

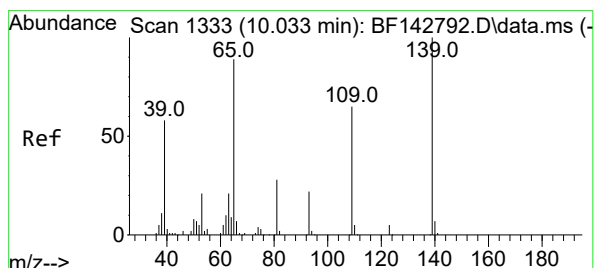
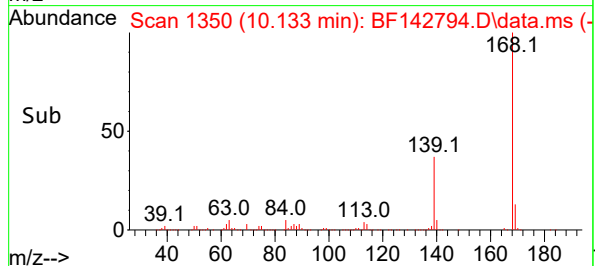
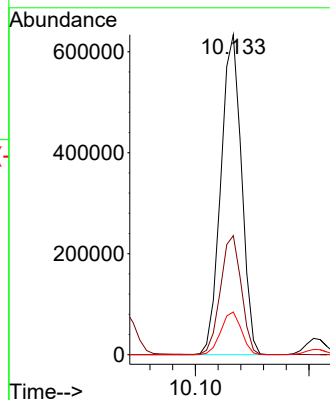
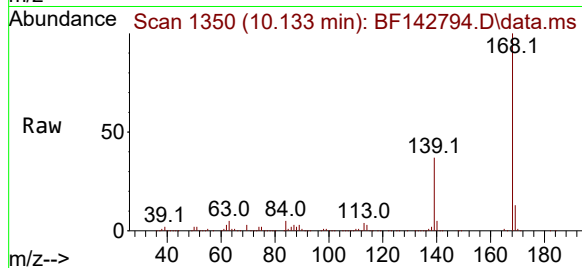
Tgt Ion:168 Resp: 802087

Ion Ratio Lower Upper

168 100

139 37.2 30.2 45.4

169 13.3 10.8 16.2



#56

4-Nitrophenol

Concen: 64.811 ng

RT: 10.039 min Scan# 1334

Delta R.T. 0.006 min

Lab File: BF142794.D

Acq: 19 Jun 2025 20:10

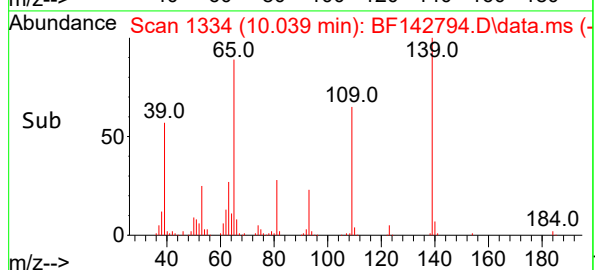
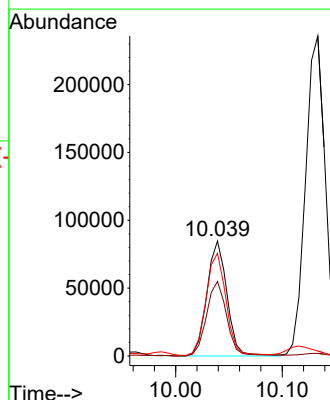
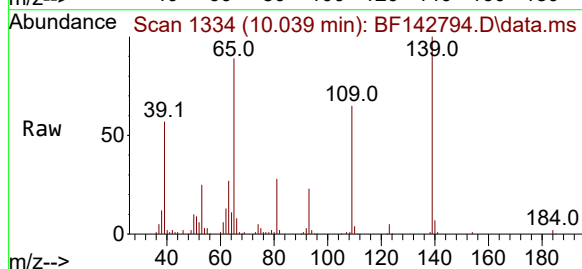
Tgt Ion:139 Resp: 110658

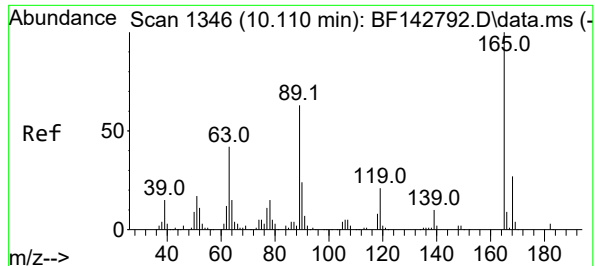
Ion Ratio Lower Upper

139 100

109 64.8 44.7 84.7

65 89.3 69.8 109.8

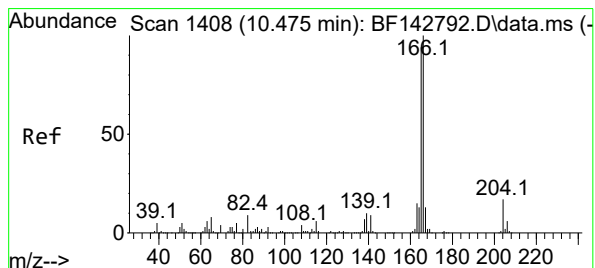
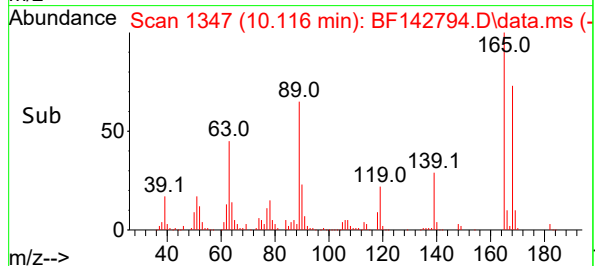
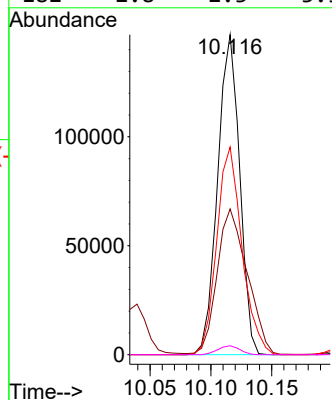
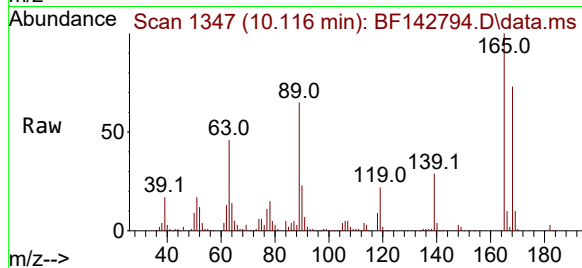




#57
2,4-Dinitrotoluene
Concen: 60.367 ng
RT: 10.116 min Scan# 1346
Delta R.T. 0.006 min
Lab File: BF142794.D
Acq: 19 Jun 2025 20:10

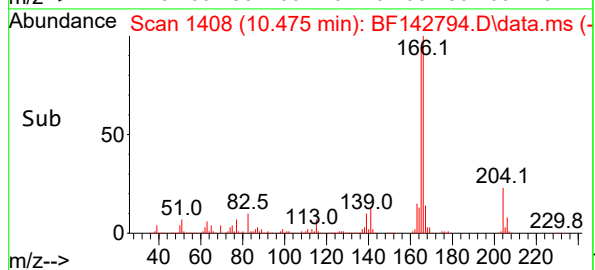
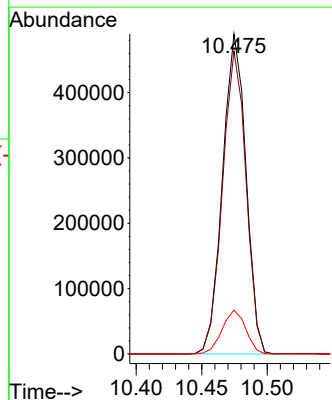
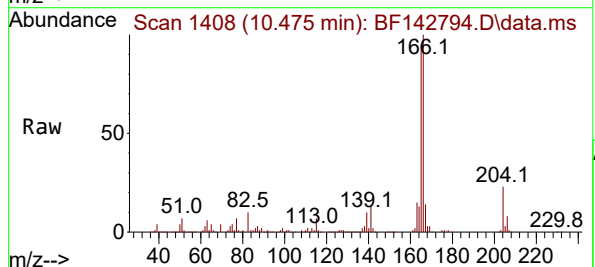
Instrument :
BNA_F
ClientSampleId :
SSTDICC060

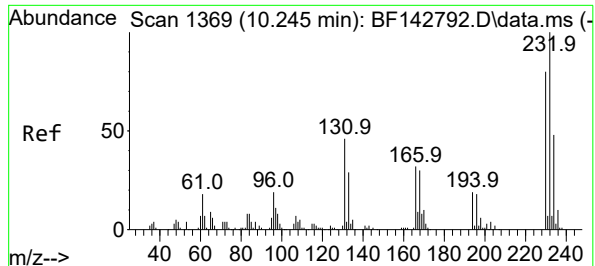
Tgt Ion:165 Resp: 184840
Ion Ratio Lower Upper
165 100
63 45.6 33.9 50.9
89 64.9 50.6 75.8
182 2.8 2.3 3.5



#58
Fluorene
Concen: 56.322 ng
RT: 10.475 min Scan# 1408
Delta R.T. 0.000 min
Lab File: BF142794.D
Acq: 19 Jun 2025 20:10

Tgt Ion:166 Resp: 608786
Ion Ratio Lower Upper
166 100
165 94.7 75.2 112.8
167 13.7 10.6 15.8

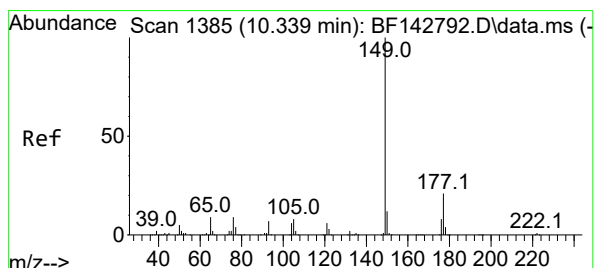
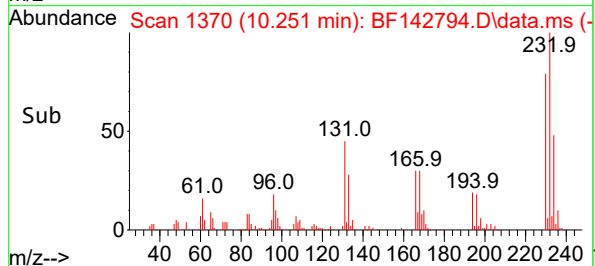
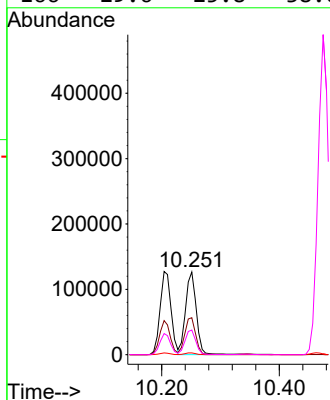
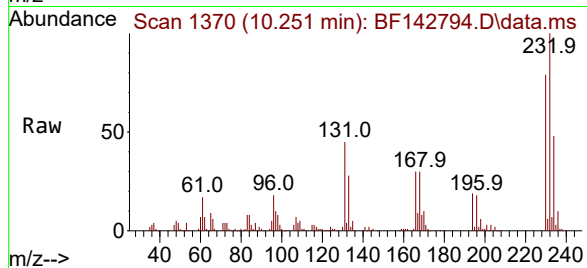




#59
2,3,4,6-Tetrachlorophenol
Concen: 58.739 ng
RT: 10.251 min Scan# 1370
Delta R.T. 0.006 min
Lab File: BF142794.D
Acq: 19 Jun 2025 20:10

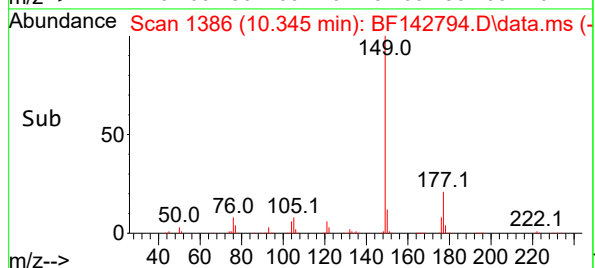
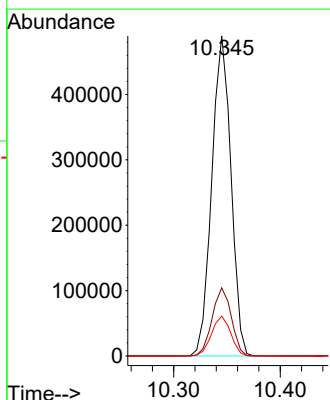
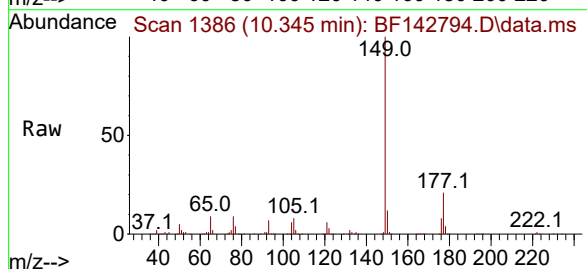
Instrument :
BNA_F
ClientSampleId :
SSTDICC060

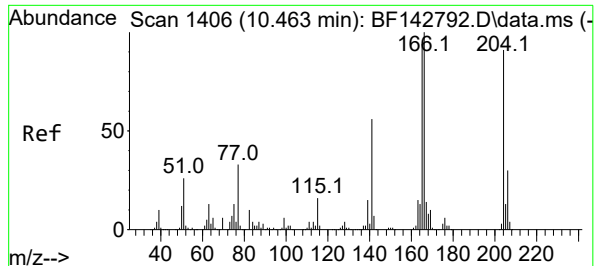
Tgt Ion:232 Resp: 159997
Ion Ratio Lower Upper
232 100
131 45.6 37.6 56.4
130 2.2 1.7 2.5
166 29.6 25.8 38.6



#60
Diethylphthalate
Concen: 57.662 ng
RT: 10.345 min Scan# 1386
Delta R.T. 0.006 min
Lab File: BF142794.D
Acq: 19 Jun 2025 20:10

Tgt Ion:149 Resp: 611873
Ion Ratio Lower Upper
149 100
177 21.3 17.0 25.6
150 12.5 9.8 14.6

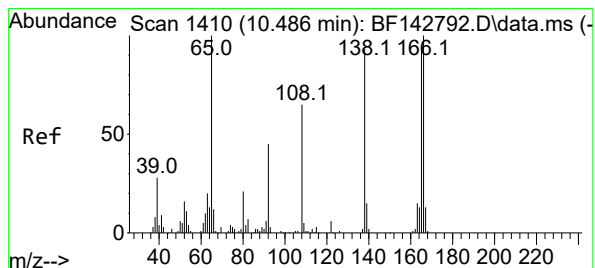
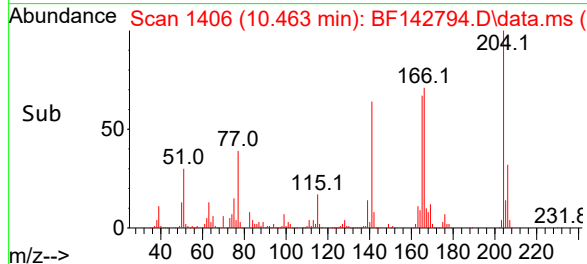
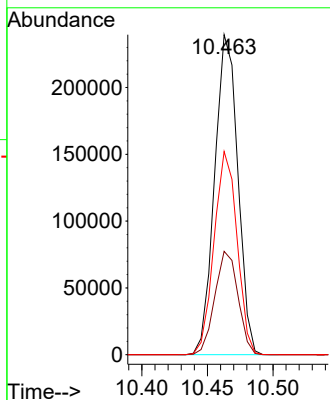
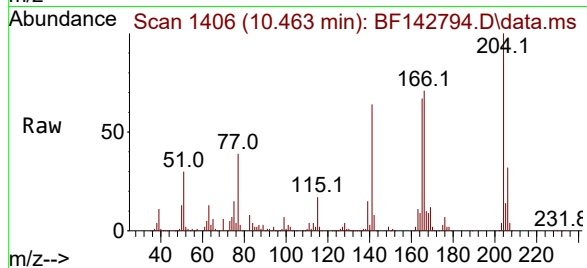




#61
4-Chlorophenyl-phenylether
Concen: 56.089 ng
RT: 10.463 min Scan# 1406
Delta R.T. 0.000 min
Lab File: BF142794.D
Acq: 19 Jun 2025 20:10

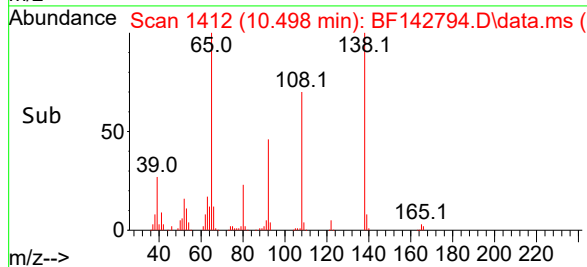
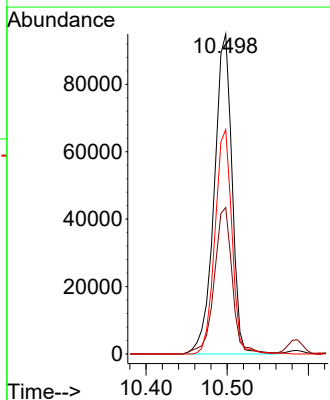
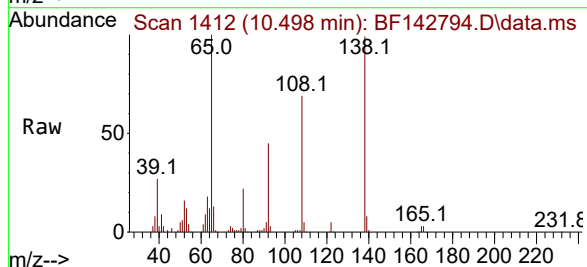
Instrument :
BNA_F
ClientSampleId :
SSTDICC060

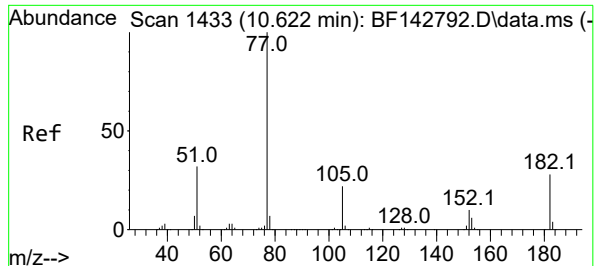
Tgt Ion:204 Resp: 294444
Ion Ratio Lower Upper
204 100
206 32.3 26.3 39.5
141 63.5 49.1 73.7



#62
4-Nitroaniline
Concen: 64.135 ng
RT: 10.498 min Scan# 1412
Delta R.T. 0.012 min
Lab File: BF142794.D
Acq: 19 Jun 2025 20:10

Tgt Ion:138 Resp: 144821
Ion Ratio Lower Upper
138 100
92 45.7 28.4 68.4
108 70.1 50.2 90.2

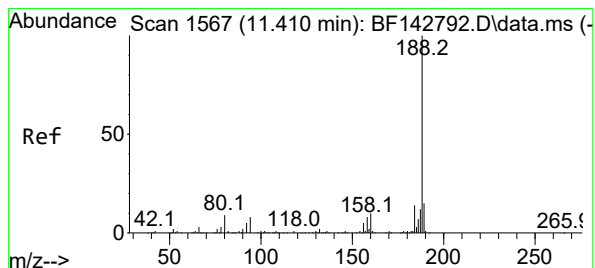
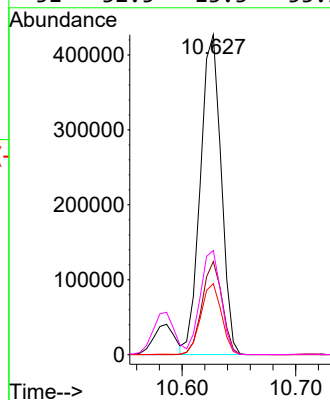
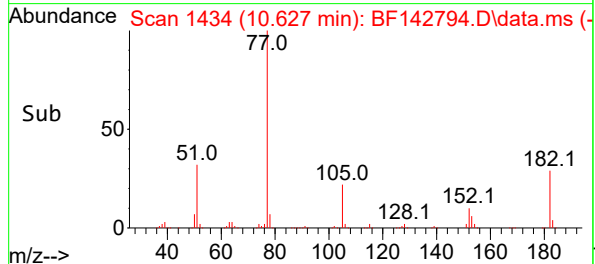
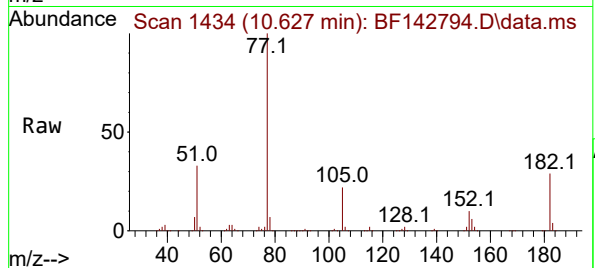




#63
Azobenzene
Concen: 58.460 ng
RT: 10.627 min Scan# 1433
Delta R.T. 0.006 min
Lab File: BF142794.D
Acq: 19 Jun 2025 20:10

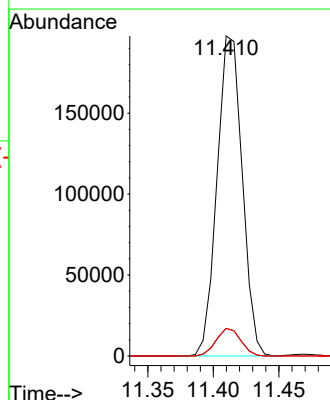
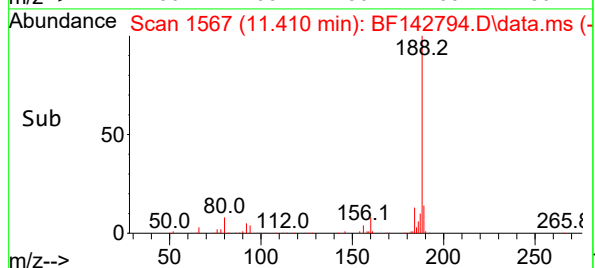
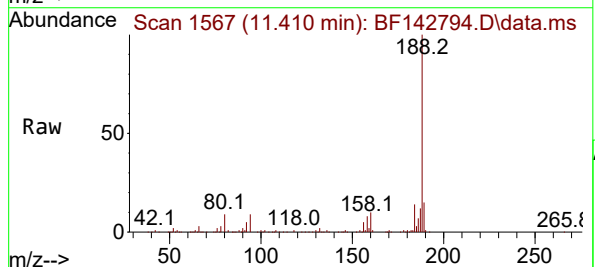
Instrument :
BNA_F
ClientSampleId :
SSTDICC060

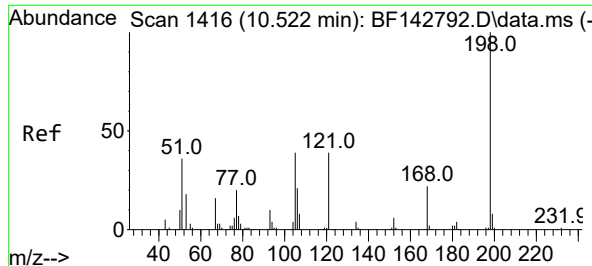
Tgt Ion: 77 Resp: 542118
Ion Ratio Lower Upper
77 100
182 29.1 7.7 47.7
105 22.2 1.9 41.9
51 32.5 13.3 53.3



#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.410 min Scan# 1567
Delta R.T. 0.000 min
Lab File: BF142794.D
Acq: 19 Jun 2025 20:10

Tgt Ion: 188 Resp: 264336
Ion Ratio Lower Upper
188 100
94 8.6 6.7 10.1
80 8.6 6.9 10.3

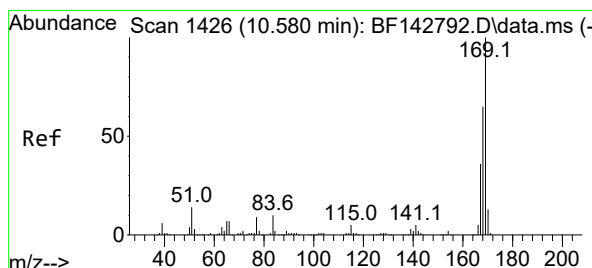
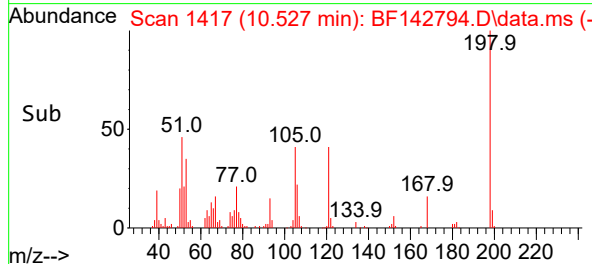
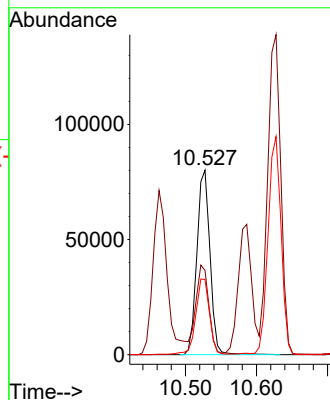
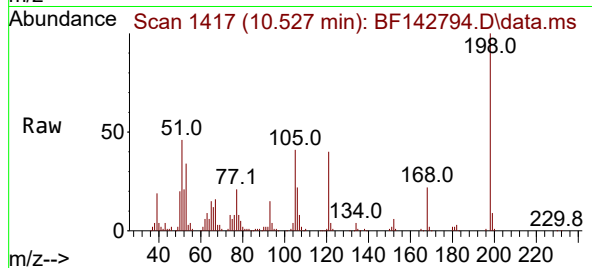




#65
4,6-Dinitro-2-methylphenol
Concen: 62.814 ng
RT: 10.527 min Scan# 1416
Delta R.T. 0.006 min
Lab File: BF142794.D
Acq: 19 Jun 2025 20:10

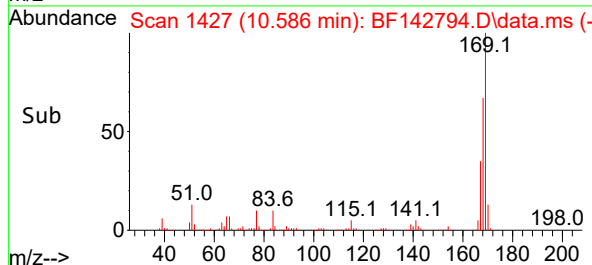
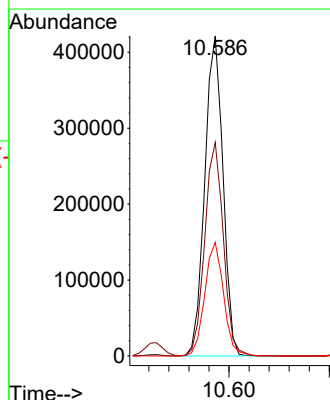
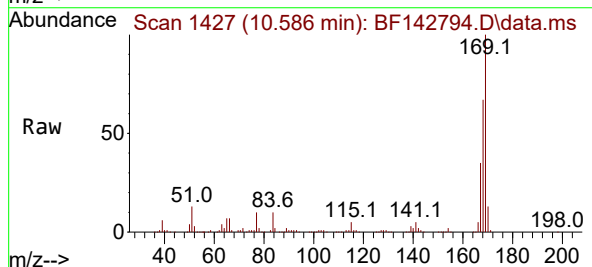
Instrument :
BNA_F
ClientSampleId :
SSTDICC060

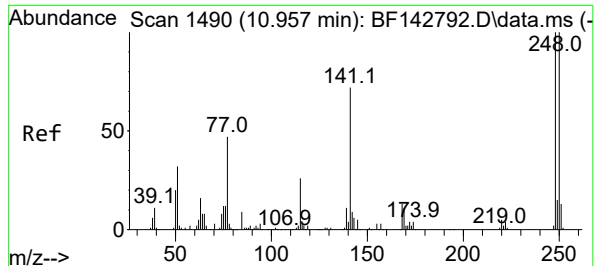
Tgt Ion:198 Resp: 103180
Ion Ratio Lower Upper
198 100
51 45.7 25.4 65.4
105 40.7 20.4 60.4



#66
n-Nitrosodiphenylamine
Concen: 58.540 ng
RT: 10.586 min Scan# 1427
Delta R.T. 0.006 min
Lab File: BF142794.D
Acq: 19 Jun 2025 20:10

Tgt Ion:169 Resp: 531713
Ion Ratio Lower Upper
169 100
168 66.7 51.9 77.9
167 35.4 28.5 42.7

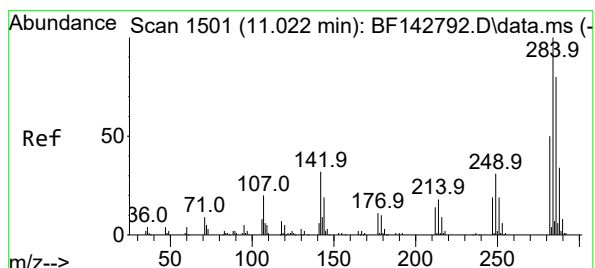
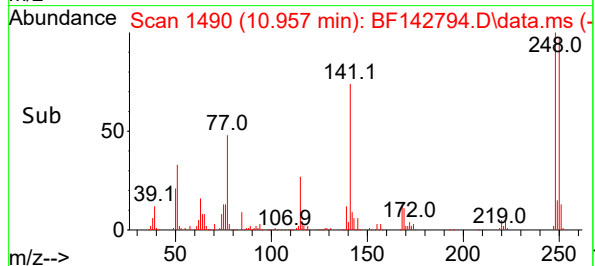
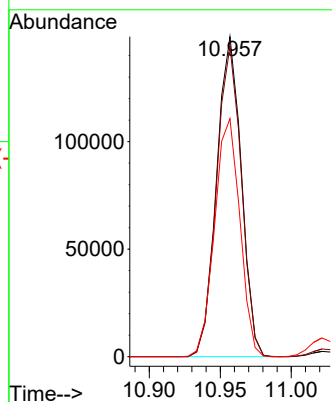
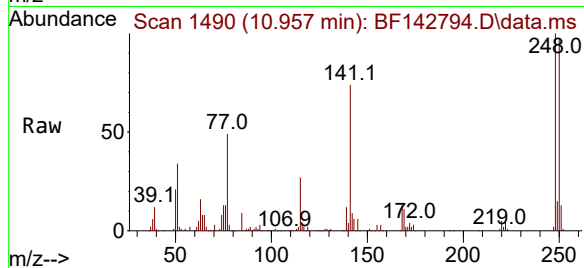




#67
4-Bromophenyl-phenylether
Concen: 58.311 ng
RT: 10.957 min Scan# 1490
Delta R.T. 0.000 min
Lab File: BF142794.D
Acq: 19 Jun 2025 20:10

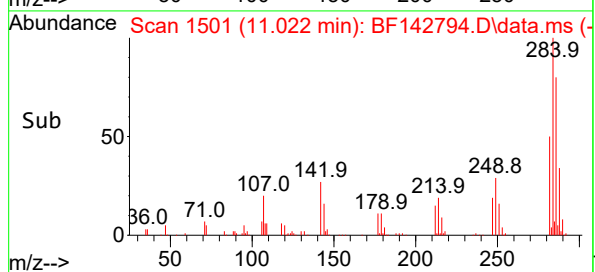
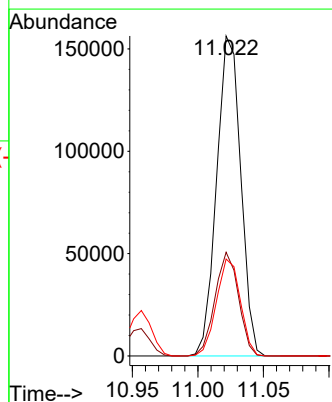
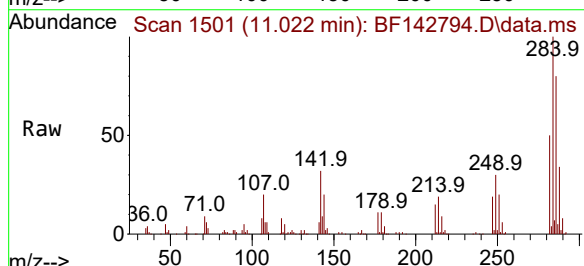
Instrument :
BNA_F
ClientSampleId :
SSTDICC060

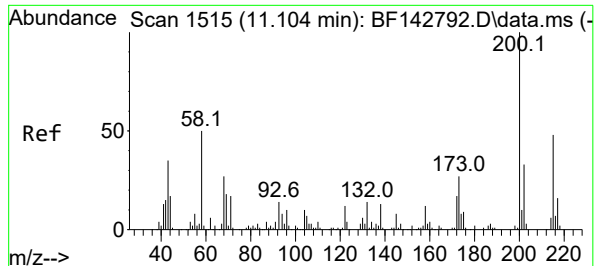
Tgt Ion:248 Resp: 180519
Ion Ratio Lower Upper
248 100
250 97.1 79.8 119.8
141 74.4 57.8 86.6



#68
Hexachlorobenzene
Concen: 58.041 ng
RT: 11.022 min Scan# 1501
Delta R.T. 0.000 min
Lab File: BF142794.D
Acq: 19 Jun 2025 20:10

Tgt Ion:284 Resp: 199479
Ion Ratio Lower Upper
284 100
142 32.4 25.5 38.3
249 30.3 24.9 37.3





#69

Atrazine

Concen: 60.075 ng

RT: 11.110 min Scan# 1516

Delta R.T. 0.006 min

Lab File: BF142794.D

Acq: 19 Jun 2025 20:10

Instrument :

BNA_F

ClientSampleId :

SSTDICC060

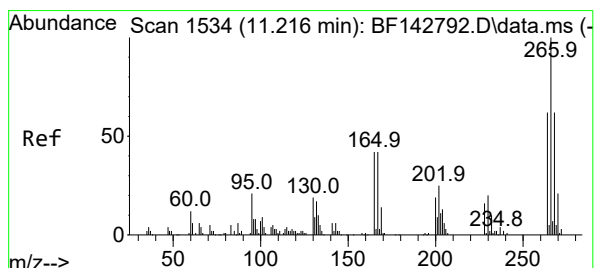
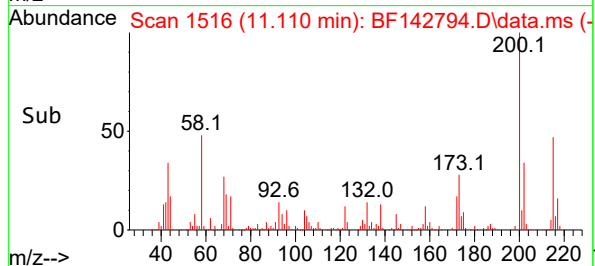
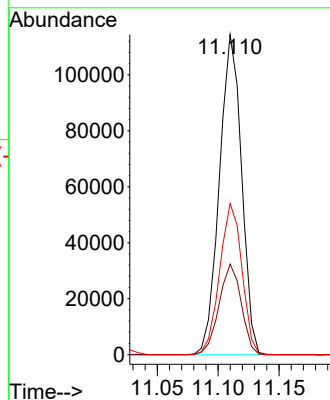
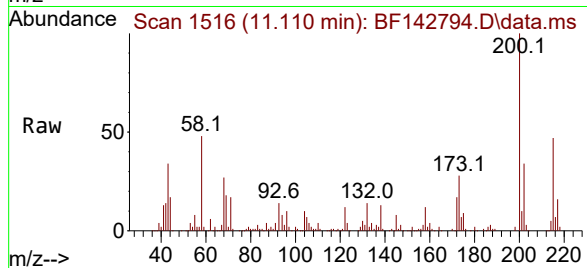
Tgt Ion:200 Resp: 144880

Ion Ratio Lower Upper

200 100

173 28.3 7.4 47.4

215 47.2 28.4 68.4



#70

Pentachlorophenol

Concen: 60.023 ng

RT: 11.216 min Scan# 1534

Delta R.T. 0.000 min

Lab File: BF142794.D

Acq: 19 Jun 2025 20:10

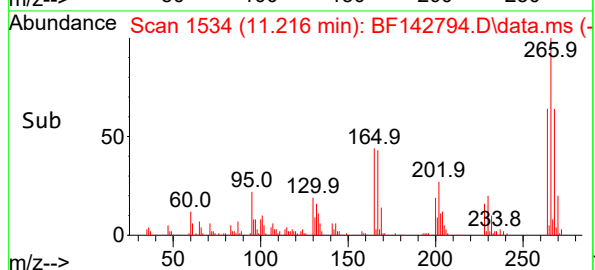
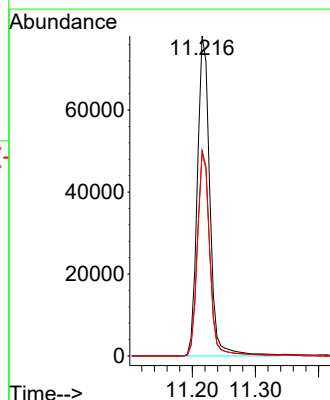
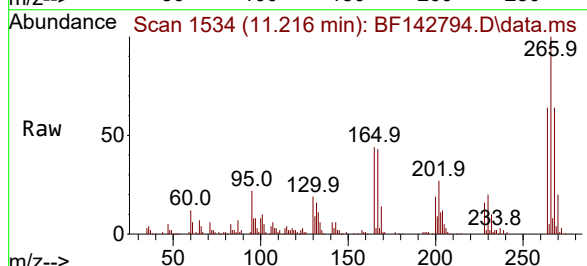
Tgt Ion:266 Resp: 107141

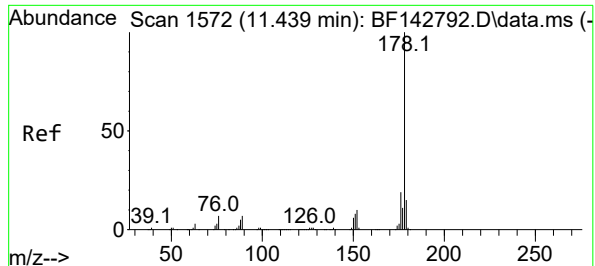
Ion Ratio Lower Upper

266 100

268 64.2 49.8 74.8

264 63.5 49.9 74.9

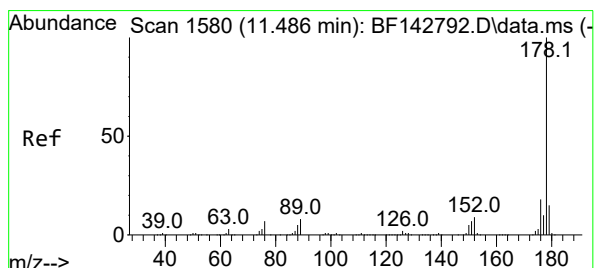
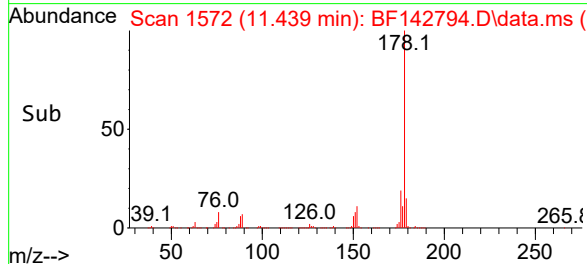
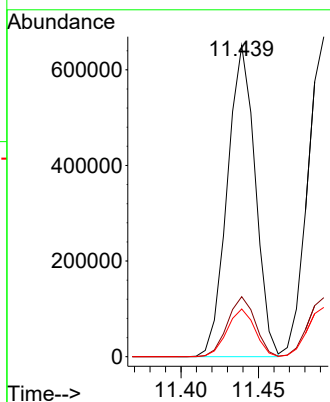
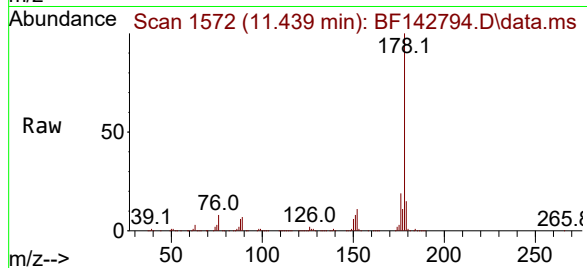




#71
Phenanthrene
Concen: 57.611 ng
RT: 11.439 min Scan# 1572
Delta R.T. 0.000 min
Lab File: BF142794.D
Acq: 19 Jun 2025 20:10

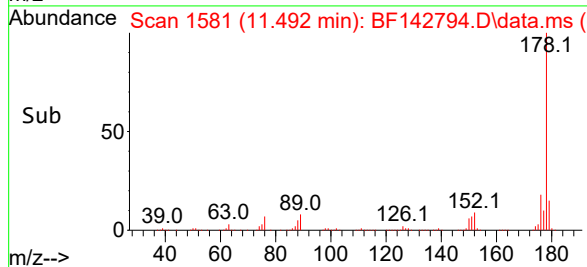
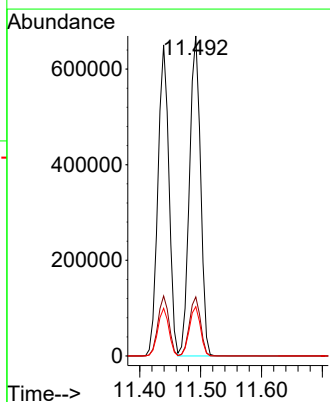
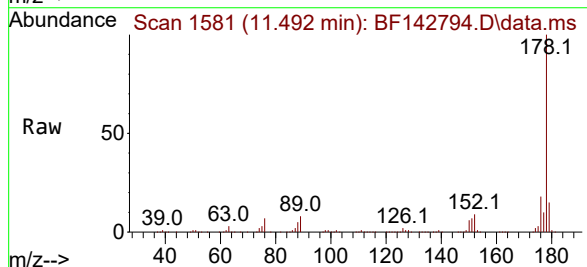
Instrument :
BNA_F
ClientSampleId :
SSTDICC060

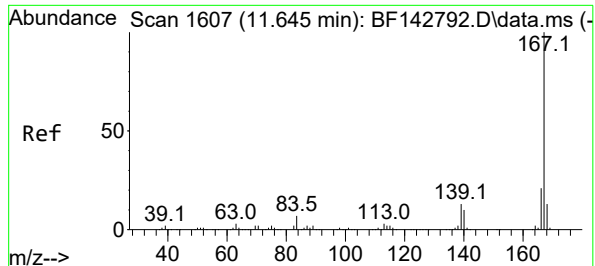
Tgt Ion:178 Resp: 815330
Ion Ratio Lower Upper
178 100
176 19.3 15.1 22.7
179 15.4 12.0 18.0



#72
Anthracene
Concen: 57.653 ng
RT: 11.492 min Scan# 1581
Delta R.T. 0.006 min
Lab File: BF142794.D
Acq: 19 Jun 2025 20:10

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

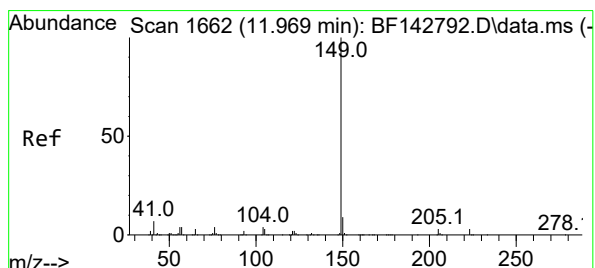
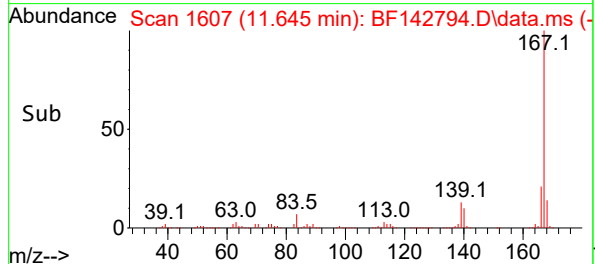
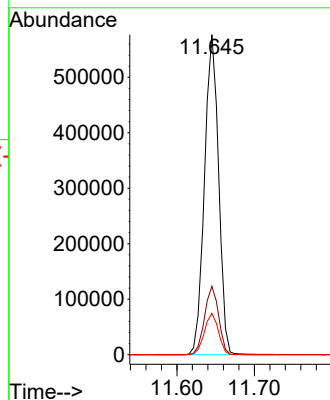
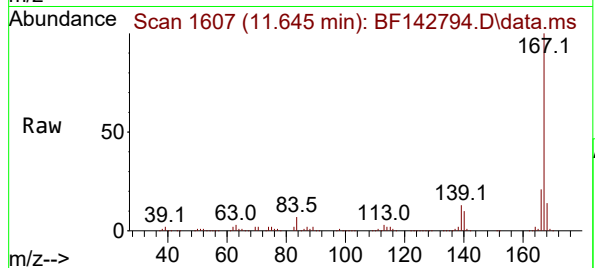




#73
Carbazole
Concen: 59.457 ng
RT: 11.645 min Scan# 1607
Delta R.T. 0.000 min
Lab File: BF142794.D
Acq: 19 Jun 2025 20:10

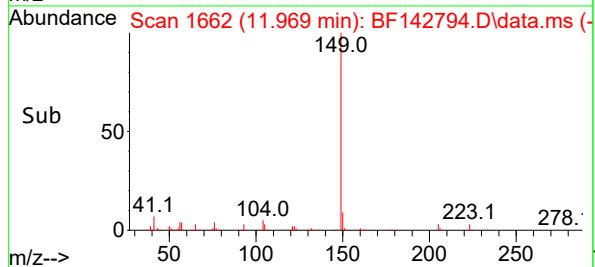
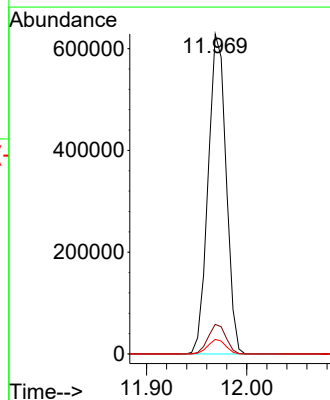
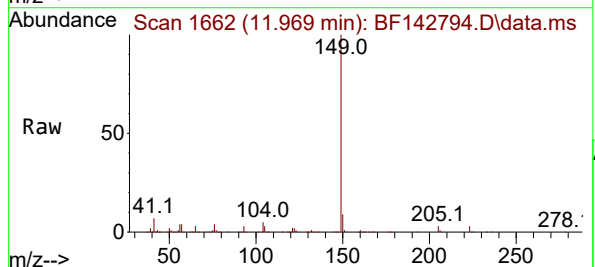
Instrument :
BNA_F
ClientSampleId :
SSTDICC060

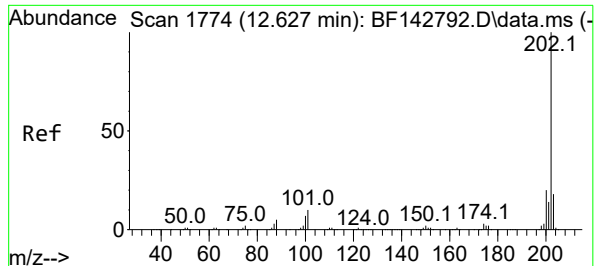
Tgt Ion:167 Resp: 729372
Ion Ratio Lower Upper
167 100
166 21.4 17.0 25.4
139 12.9 10.2 15.2



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

Tgt Ion:149 Resp: 784514
Ion Ratio Lower Upper
149 100
150 9.3 7.4 11.0
104 4.6 3.5 5.3

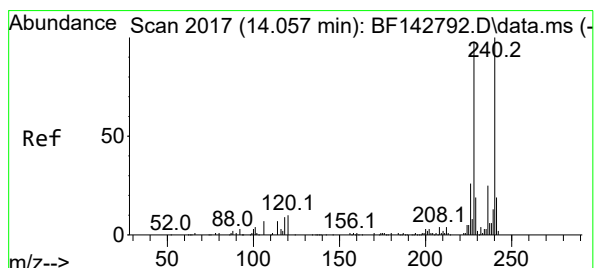
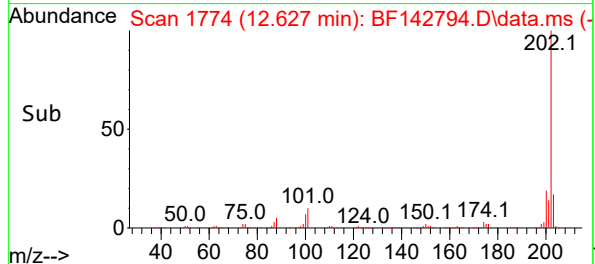
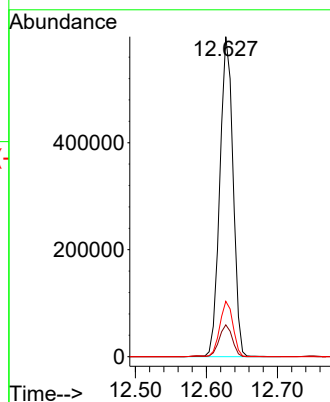
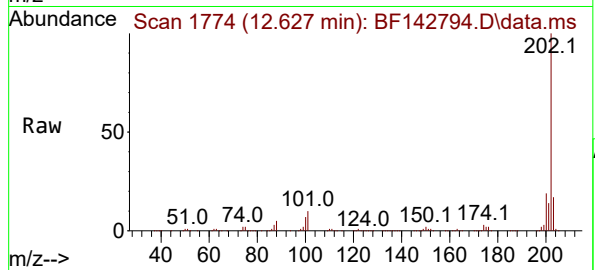




#75
Fluoranthene
Concen: 57.300 ng
RT: 12.627 min Scan# 1774
Delta R.T. 0.000 min
Lab File: BF142794.D
Acq: 19 Jun 2025 20:10

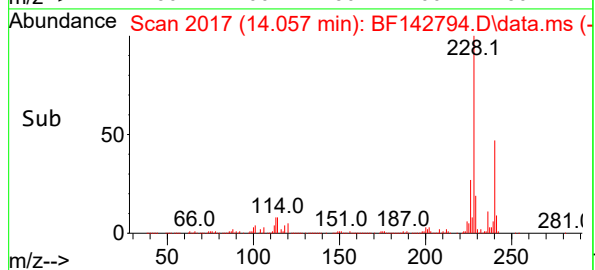
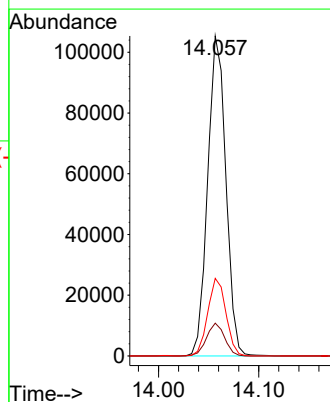
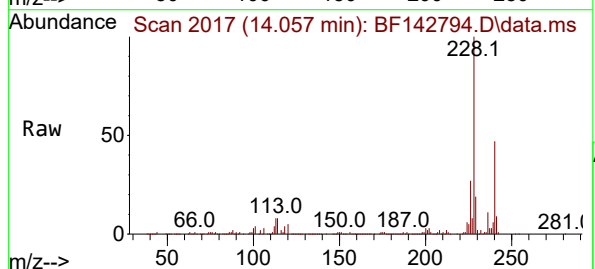
Instrument :
BNA_F
ClientSampleId :
SSTDICC060

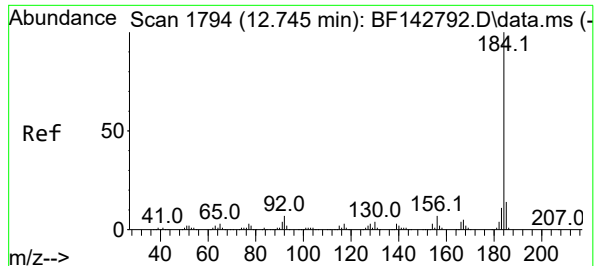
Tgt Ion	Ratio	Lower	Upper
202	100		
101	10.0	0.0	29.7
203	17.3	0.0	37.5



#76
Chrysene-d12
Concen: 20.000 ng
RT: 14.057 min Scan# 2017
Delta R.T. 0.000 min
Lab File: BF142794.D
Acq: 19 Jun 2025 20:10

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





#77

Benzidine

Concen: 60.916 ng

RT: 12.751 min Scan# 1

Delta R.T. 0.006 min

Lab File: BF142794.D

Acq: 19 Jun 2025 20:10

Instrument :

BNA_F

ClientSampleId :

SSTDICC060

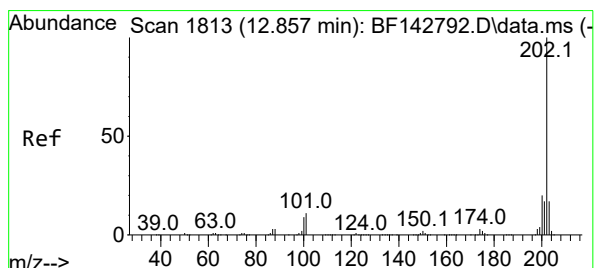
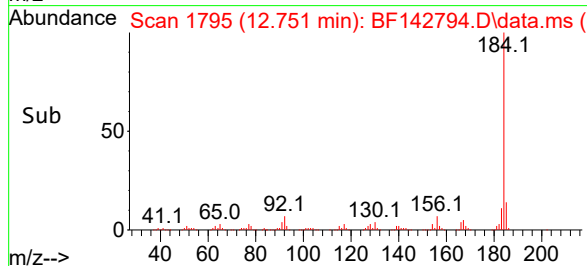
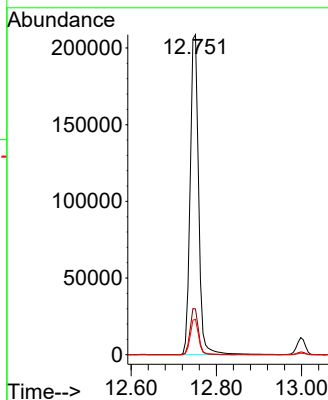
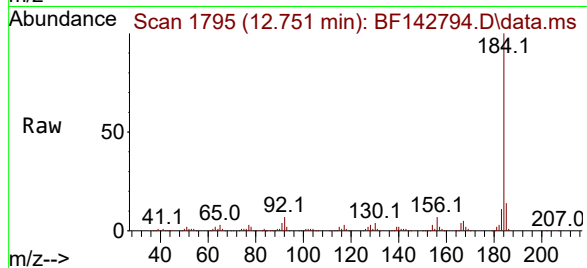
Tgt Ion:184 Resp: 287238

Ion Ratio Lower Upper

184 100

185 14.3 11.5 17.3

183 11.1 9.0 13.4



#78

Pyrene

Concen: 60.812 ng

RT: 12.857 min Scan# 1813

Delta R.T. 0.000 min

Lab File: BF142794.D

Acq: 19 Jun 2025 20:10

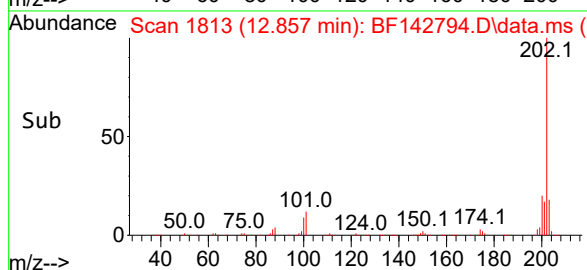
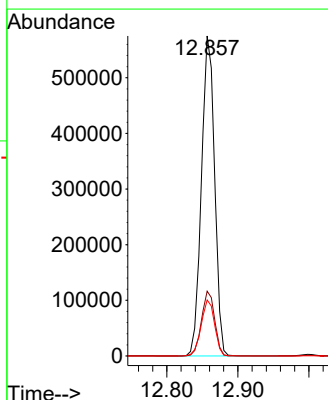
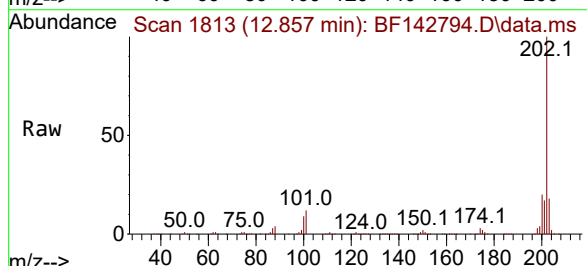
Tgt Ion:202 Resp: 744567

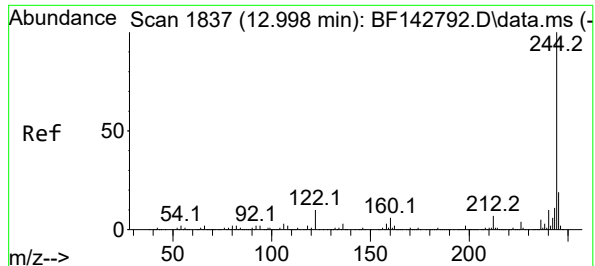
Ion Ratio Lower Upper

202 100

200 20.2 15.7 23.5

203 17.5 13.8 20.6





#79

Terphenyl-d14

Concen: 115.747 ng

RT: 12.998 min Scan# 1837

Delta R.T. 0.000 min

Lab File: BF142794.D

Acq: 19 Jun 2025 20:10

Instrument :

BNA_F

ClientSampleId :

SSTDICC060

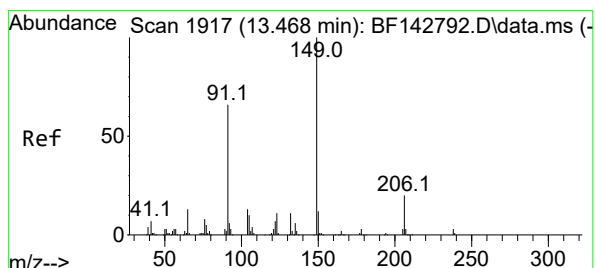
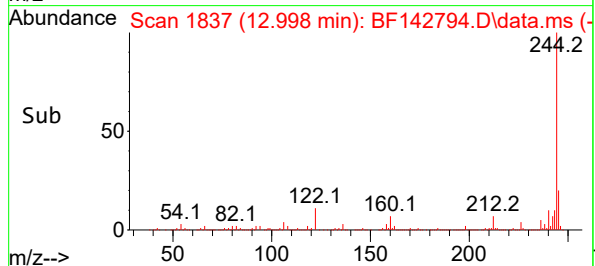
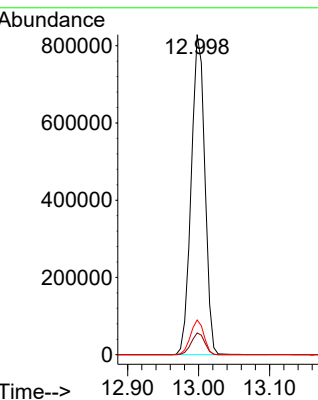
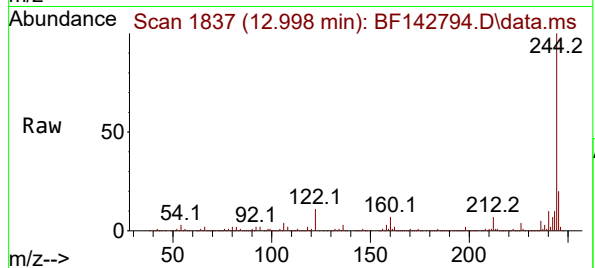
Tgt Ion:244 Resp: 1107704

Ion Ratio Lower Upper

244 100

212 6.8 5.4 8.0

122 10.9 8.2 12.2



#80

Butylbenzylphthalate

Concen: 65.755 ng

RT: 13.474 min Scan# 1918

Delta R.T. 0.006 min

Lab File: BF142794.D

Acq: 19 Jun 2025 20:10

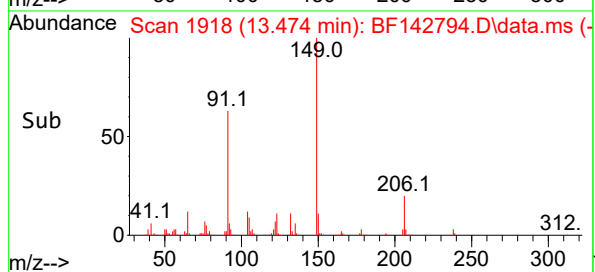
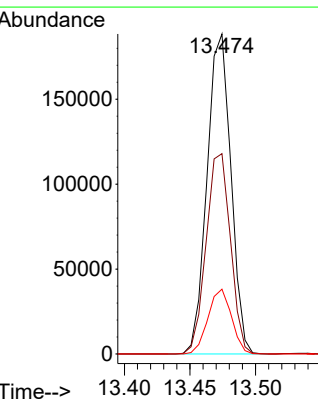
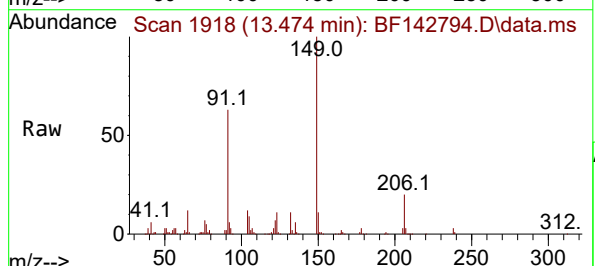
Tgt Ion:149 Resp: 238584

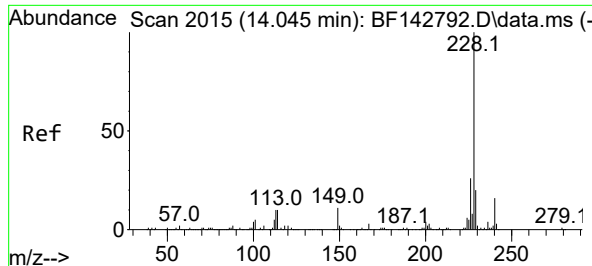
Ion Ratio Lower Upper

149 100

91 62.6 52.9 79.3

206 20.2 16.3 24.5

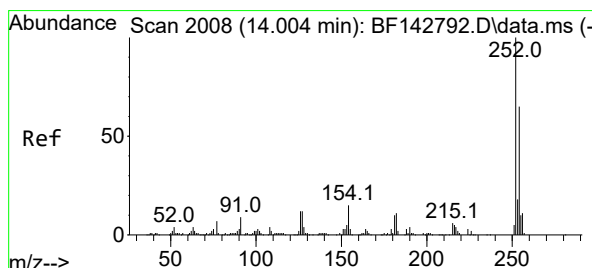
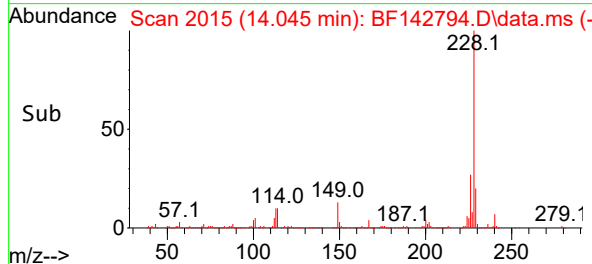
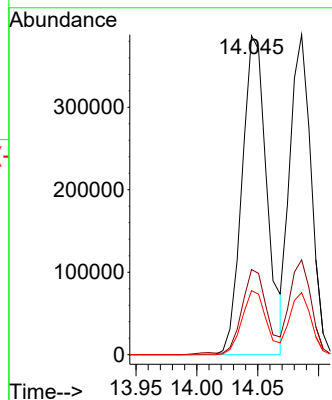
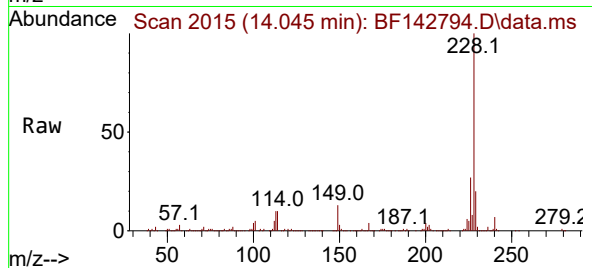




#81
Benzo(a)anthracene
Concen: 62.892 ng
RT: 14.045 min Scan# 2015
Delta R.T. 0.000 min
Lab File: BF142794.D
Acq: 19 Jun 2025 20:10

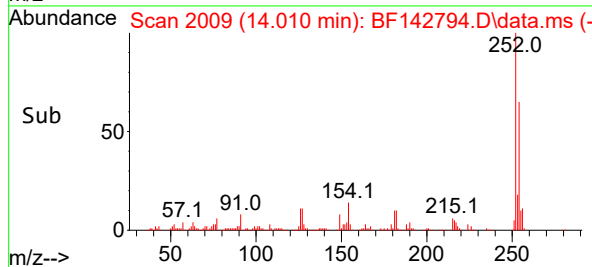
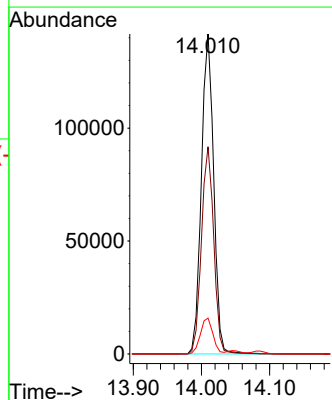
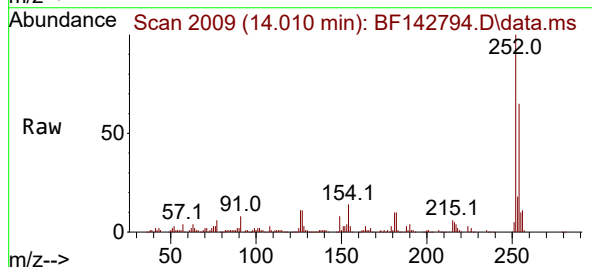
Instrument :
BNA_F
ClientSampleId :
SSTDICC060

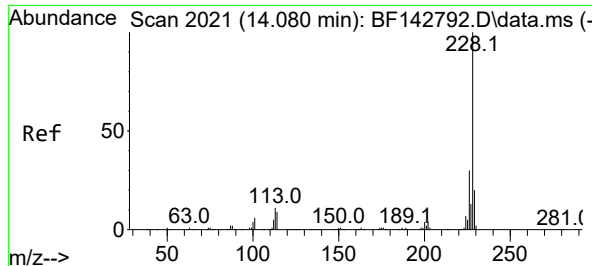
Tgt Ion:228 Resp: 550008
Ion Ratio Lower Upper
228 100
226 26.7 21.2 31.8
229 20.0 15.6 23.4



#82
3,3'-Dichlorobenzidine
Concen: 62.787 ng
RT: 14.010 min Scan# 2009
Delta R.T. 0.006 min
Lab File: BF142794.D
Acq: 19 Jun 2025 20:10

Tgt Ion:252 Resp: 177798
Ion Ratio Lower Upper
252 100
254 64.8 51.7 77.5
126 11.2 9.4 14.2





#83

Chrysene

Concen: 57.743 ng

RT: 14.086 min Scan# 20

Delta R.T. 0.006 min

Lab File: BF142794.D

Acq: 19 Jun 2025 20:10

Instrument :

BNA_F

ClientSampleId :

SSTDICC060

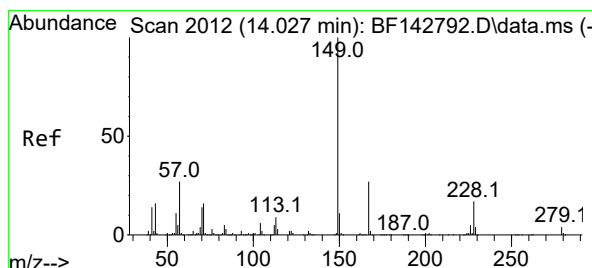
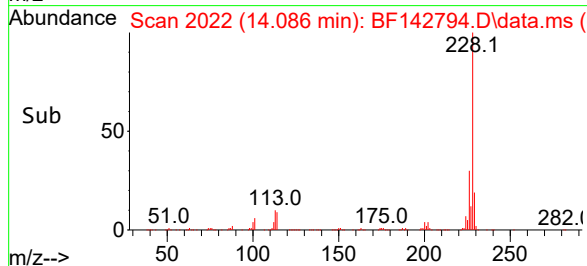
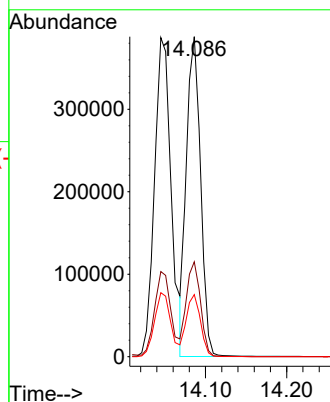
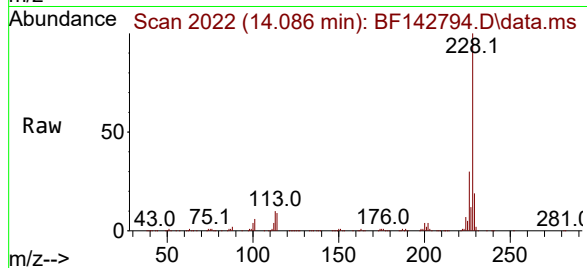
Tgt Ion:228 Resp: 470124

Ion Ratio Lower Upper

228 100

226 29.7 23.7 35.5

229 19.4 15.7 23.5



#84

Bis(2-ethylhexyl)phthalate

Concen: 62.326 ng

RT: 14.027 min Scan# 2012

Delta R.T. 0.000 min

Lab File: BF142794.D

Acq: 19 Jun 2025 20:10

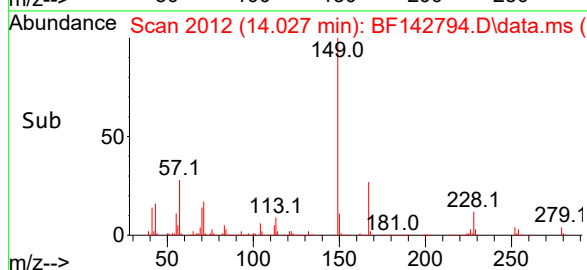
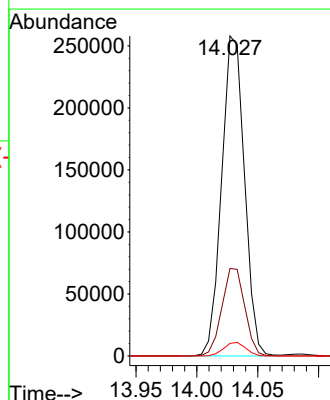
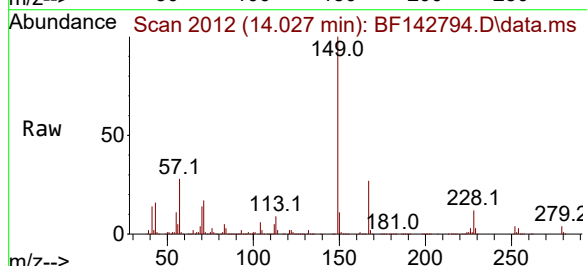
Tgt Ion:149 Resp: 336951

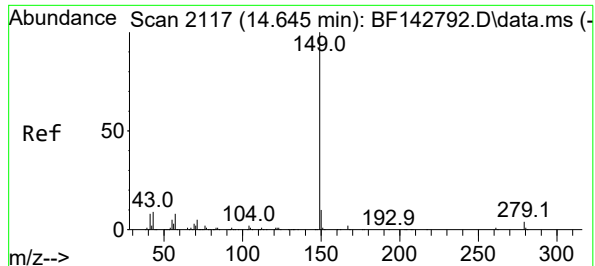
Ion Ratio Lower Upper

149 100

167 27.4 21.4 32.0

279 3.9 3.0 4.6

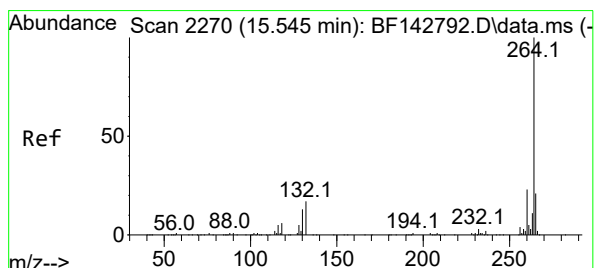
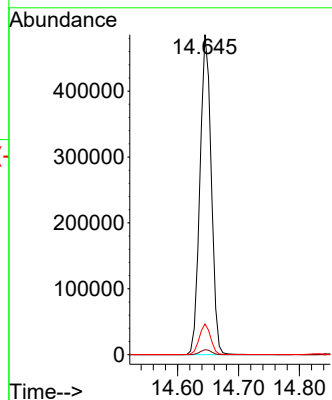
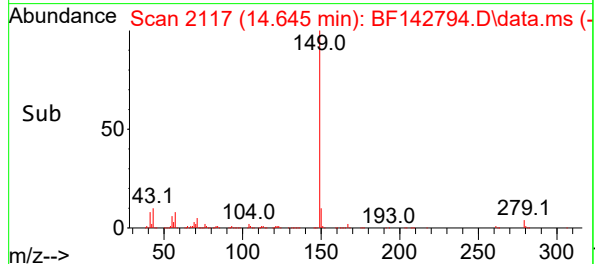
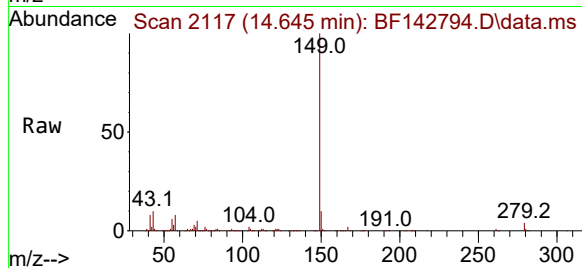




#85
Di-n-octyl phthalate
Concen: 60.871 ng
RT: 14.645 min Scan# 2117
Delta R.T. 0.000 min
Lab File: BF142794.D
Acq: 19 Jun 2025 20:10

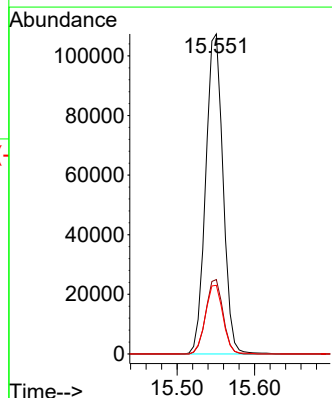
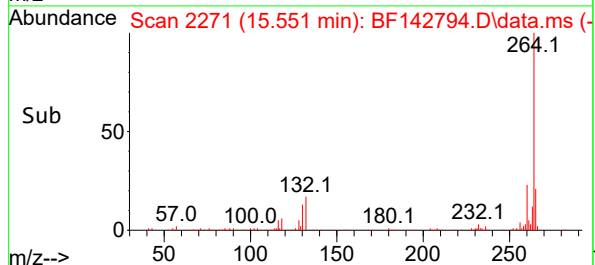
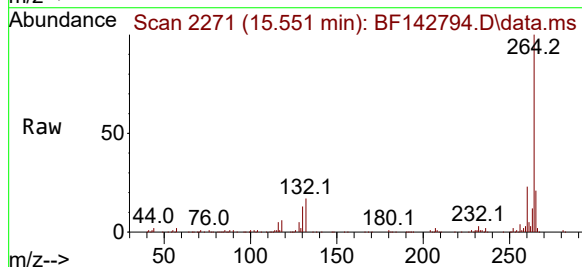
Instrument :
BNA_F
ClientSampleId :
SSTDICC060

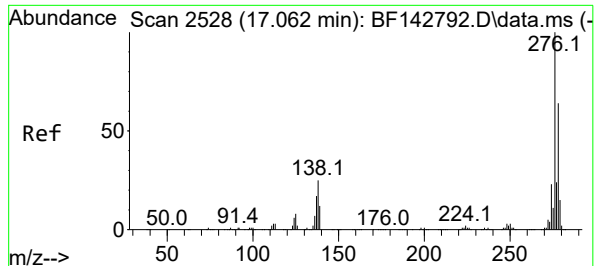
Tgt Ion:149 Resp: 627090
Ion Ratio Lower Upper
149 100
167 1.6 1.3 1.9
43 9.6 7.6 11.4



#86
Perylene-d12
Concen: 20.000 ng
RT: 15.551 min Scan# 2271
Delta R.T. 0.006 min
Lab File: BF142794.D
Acq: 19 Jun 2025 20:10

Tgt Ion:264 Resp: 166457
Ion Ratio Lower Upper
264 100
260 23.3 18.1 27.1
265 21.4 16.6 25.0





#87

Indeno(1,2,3-cd)pyrene

Concen: 62.432 ng

RT: 17.068 min Scan# 2196

Delta R.T. 0.006 min

Lab File: BF142794.D

Acq: 19 Jun 2025 20:10

Instrument :

BNA_F

ClientSampleId :

SSTDICC060

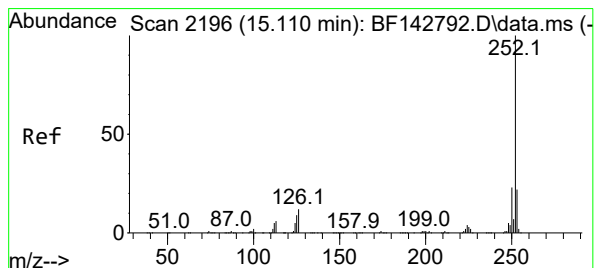
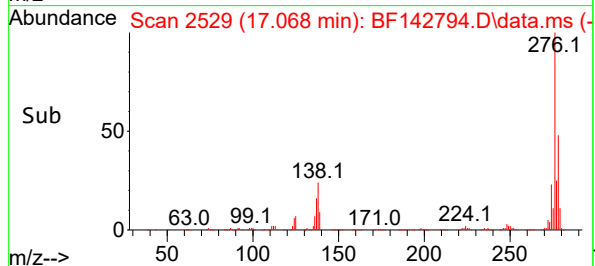
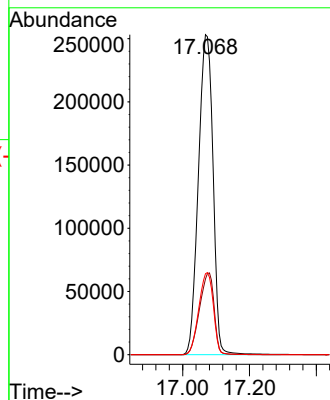
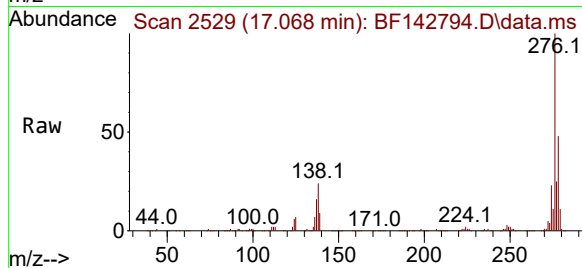
Tgt Ion:276 Resp: 768324

Ion Ratio Lower Upper

276 100

138 25.4 20.2 30.4

277 25.6 19.8 29.6



#88

Benzo(b)fluoranthene

Concen: 61.638 ng

RT: 15.110 min Scan# 2196

Delta R.T. 0.000 min

Lab File: BF142794.D

Acq: 19 Jun 2025 20:10

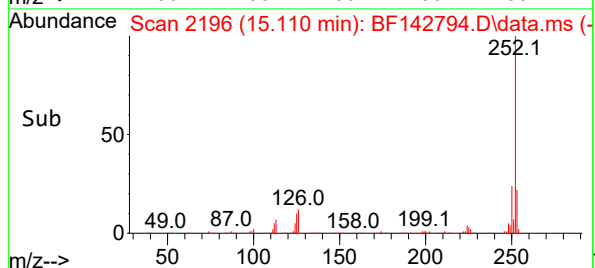
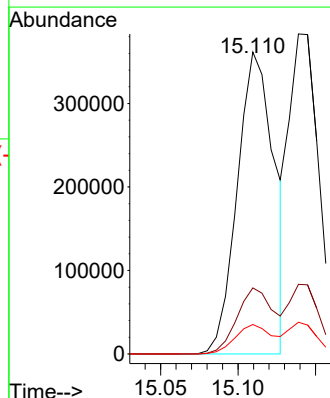
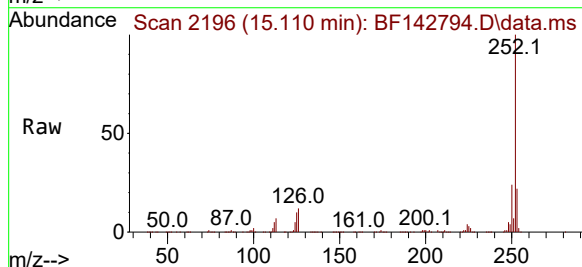
Tgt Ion:252 Resp: 597533

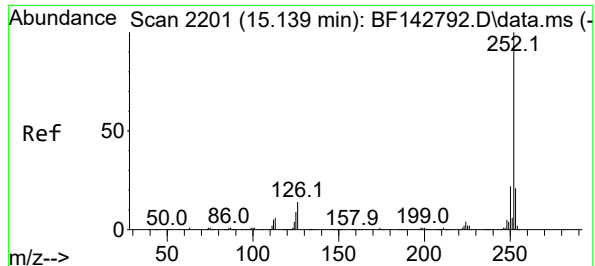
Ion Ratio Lower Upper

252 100

253 21.9 17.5 26.3

125 9.7 7.4 11.0





#89

Benzo(k)fluoranthene

Concen: 54.792 ng

RT: 15.139 min Scan# 2201

Delta R.T. 0.000 min

Lab File: BF142794.D

Acq: 19 Jun 2025 20:10

Instrument :

BNA_F

ClientSampleId :

SSTDICC060

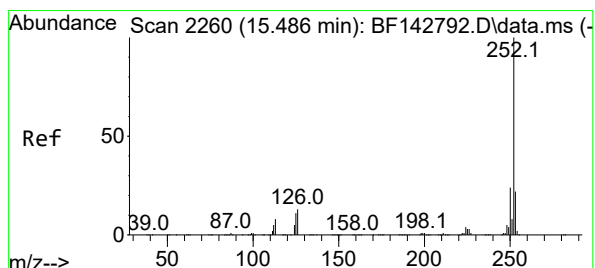
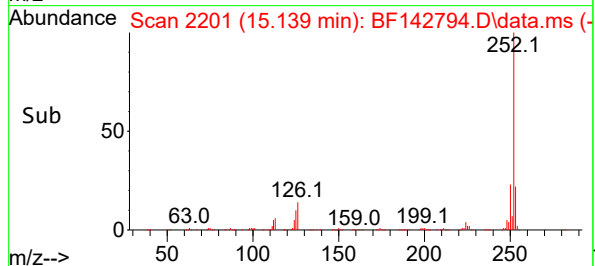
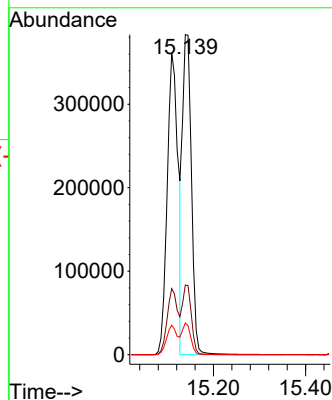
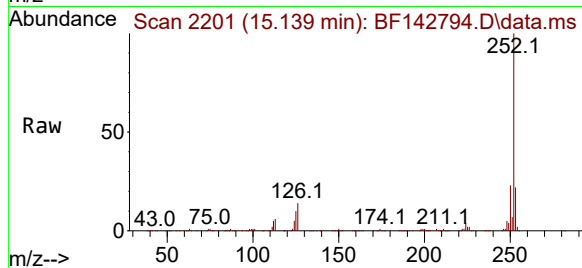
Tgt Ion:252 Resp: 518514

Ion Ratio Lower Upper

252 100

253 21.7 17.2 25.8

125 9.9 7.4 11.2



#90

Benzo(a)pyrene

Concen: 61.408 ng

RT: 15.486 min Scan# 2260

Delta R.T. 0.000 min

Lab File: BF142794.D

Acq: 19 Jun 2025 20:10

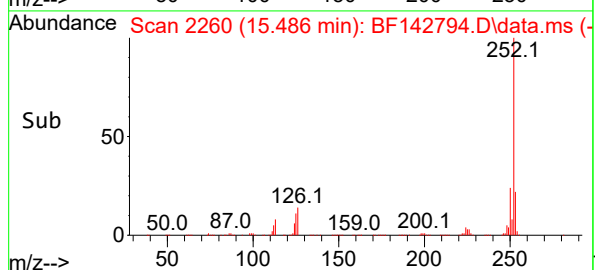
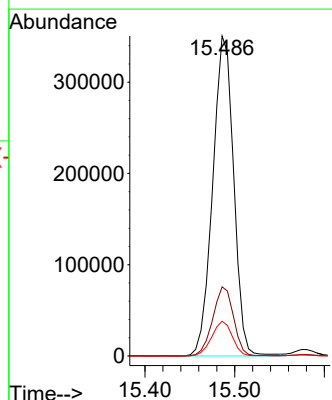
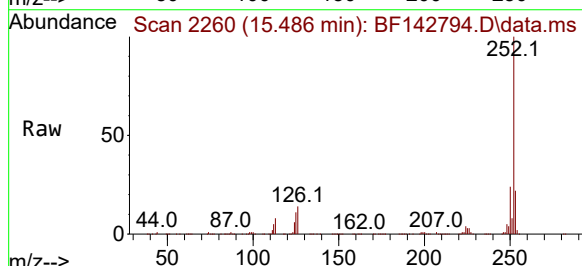
Tgt Ion:252 Resp: 569694

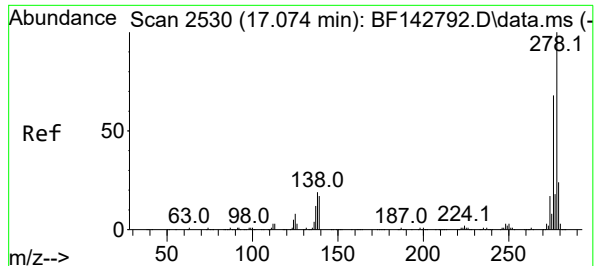
Ion Ratio Lower Upper

252 100

253 21.6 17.5 26.3

125 10.9 8.6 12.8

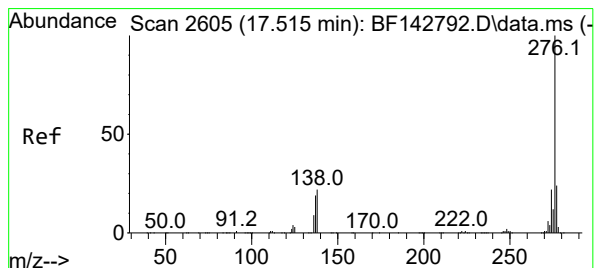
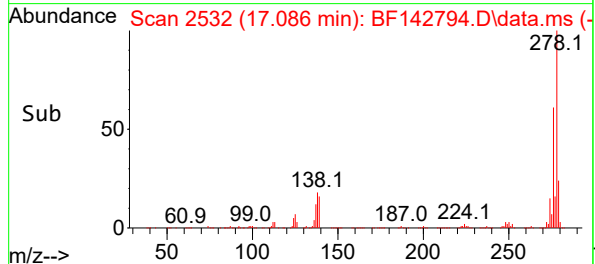
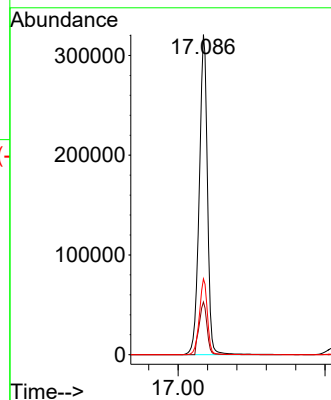
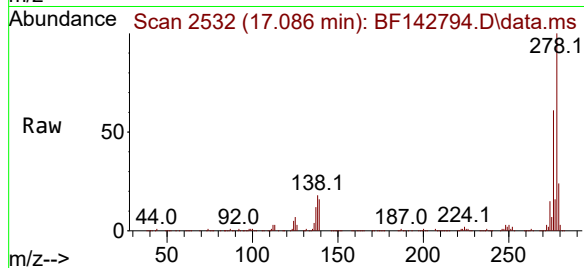




#91
Dibenzo(a,h)anthracene
Concen: 61.889 ng
RT: 17.086 min Scan# 21
Delta R.T. 0.012 min
Lab File: BF142794.D
Acq: 19 Jun 2025 20:10

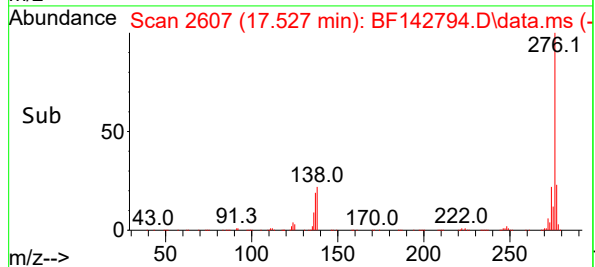
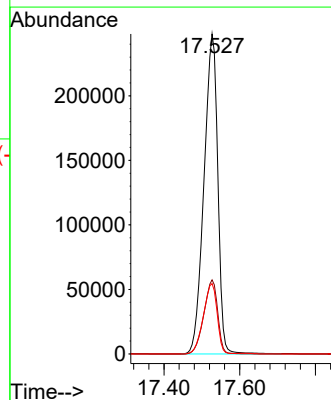
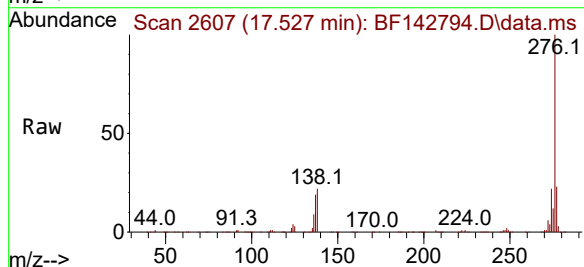
Instrument :
BNA_F
ClientSampleId :
SSTDICC060

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



#92
Benzo(g,h,i)perylene
Concen: 62.795 ng
RT: 17.527 min Scan# 2607
Delta R.T. 0.012 min
Lab File: BF142794.D
Acq: 19 Jun 2025 20:10

Tgt Ion:276 Resp: 626847
Ion Ratio Lower Upper
276 100
277 23.2 18.8 28.2
138 22.0 17.6 26.4



Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF061925\
 Data File : BF142795.D
 Acq On : 19 Jun 2025 20:40
 Operator : RC/JU
 Sample : SSTDICC080
 Misc :
 ALS Vial : 9 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 SSTDICC080

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

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

Internal Standards						
1) 1,4-Dichlorobenzene-d4	6.881	152	77938	20.000	ng	0.00
21) Naphthalene-d8	8.169	136	285299	20.000	ng	0.00
39) Acenaphthene-d10	9.928	164	140262	20.000	ng	0.00
64) Phenanthrene-d10	11.410	188	213216	20.000	ng	0.00
76) Chrysene-d12	14.063	240	127713	20.000	ng	0.00
86) Perylene-d12	15.551	264	175125	20.000	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.498	112	703164	153.880	ng	0.00
7) Phenol-d6	6.516	99	813626	151.631	ng	0.00
23) Nitrobenzene-d5	7.457	82	792380	152.234	ng	0.01
42) 2,4,6-Tribromophenol	10.722	330	210092	137.823	ng	0.00
45) 2-Fluorobiphenyl	9.245	172	1515847	143.770	ng	0.00
79) Terphenyl-d14	12.998	244	1127781	122.904	ng	0.00
Target Compounds						
						Qvalue
2) 1,4-Dioxane	2.634	88	145434	80.147	ng	99
3) Pyridine	3.410	79	368129	81.031	ng	99
4) n-Nitrosodimethylamine	3.375	42	191412	82.265	ng	98
6) Aniline	6.545	93	544167	75.672	ng	# 83
8) 2-Chlorophenol	6.669	128	383707	77.116	ng	99
10) Phenol	6.534	94	448139	74.906	ng	84
11) bis(2-Chloroethyl)ether	6.622	93	335736	75.639	ng	98
12) 1,3-Dichlorobenzene	6.822	146	420352	74.190	ng	99
13) 1,4-Dichlorobenzene	6.898	146	419873	73.115	ng	99
14) 1,2-Dichlorobenzene	7.051	146	400191	72.897	ng	98
15) Benzyl Alcohol	7.028	79	307100	76.460	ng	98
16) 2,2'-oxybis(1-Chloropr...	7.157	45	512514	73.285	ng	94
17) 2-Methylphenol	7.140	107	289573	76.123	ng	98
18) Hexachloroethane	7.392	117	150991	73.550	ng	99
19) n-Nitroso-di-n-propyla...	7.304	70	238778	70.563	ng	98
20) 3+4-Methylphenols	7.292	107	345456	72.154	ng	96
22) Acetophenone	7.298	105	463019	73.349	ng	# 98
24) Nitrobenzene	7.475	77	358834	77.574	ng	98
25) Isophorone	7.716	82	632390	72.447	ng	99
26) 2-Nitrophenol	7.787	139	201064	78.009	ng	99
27) 2,4-Dimethylphenol	7.822	122	335771	76.518	ng	99
28) bis(2-Chloroethoxy)met...	7.916	93	400973	73.793	ng	100
29) 2,4-Dichlorophenol	8.028	162	306123	75.689	ng	99
30) 1,2,4-Trichlorobenzene	8.110	180	332721	74.472	ng	100
31) Naphthalene	8.192	128	1029082	73.342	ng	100
32) Benzoic acid	7.957	122	192536	79.082	ng	96
33) 4-Chloroaniline	8.239	127	413911	73.608	ng	100
34) Hexachlorobutadiene	8.304	225	204081	72.088	ng	99
35) Caprolactam	8.628	113	78302	71.952	ng	98
36) 4-Chloro-3-methylphenol	8.722	107	296520	70.974	ng	98
37) 2-Methylnaphthalene	8.881	142	627195	70.857	ng	100
38) 1-Methylnaphthalene	8.981	142	642853	69.952	ng	100
40) 1,2,4,5-Tetrachloroben...	9.051	216	315930	78.028	ng	99
41) Hexachlorocyclopentadiene	9.034	237	218091	85.183	ng	98
43) 2,4,6-Trichlorophenol	9.163	196	207984	79.375	ng	98
44) 2,4,5-Trichlorophenol	9.204	196	217860	76.993	ng	99

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF061925\
 Data File : BF142795.D
 Acq On : 19 Jun 2025 20:40
 Operator : RC/JU
 Sample : SSTDICC080
 Misc :
 ALS Vial : 9 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 SSTDICC080

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

Abundance

TIC: BF142795.D\data.ms

Time-->

1,4-Dioxane

n-Nitrosodimethylaniline

2-Fluorophenol, S

Phenol, d5, S

Nitrobenzene, d5, S

2-Methylphenol, S

2-Fluorobiphenyl, S

2-Chloronaphthalene, Biphenyl

Acenaphthylene

Acenaphthene, C

Dibenzofuran

4-Chlorophenyl-phenylethylfluorene

4-Chlorophenyl-phenylamine, C

Terphenyl-d14, S

Fluoranthene, C

Pyrene

Butylbenzylphthalate

Chrysene

2,3-Dichlorobenzidine

Di-n-odyl phthalate, c

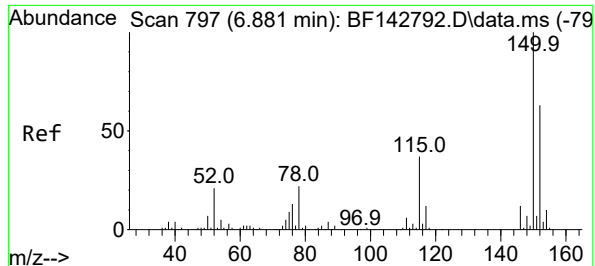
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Benzo(a)pyrene, C

Perylene-d12, I

Indene(1,2,3-cd)pyrene

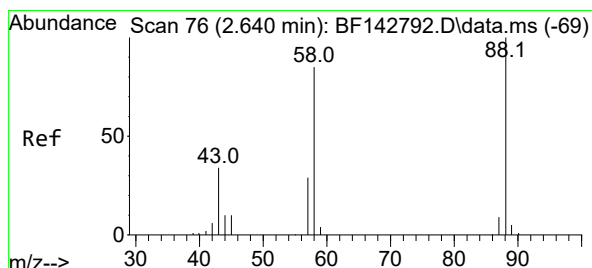
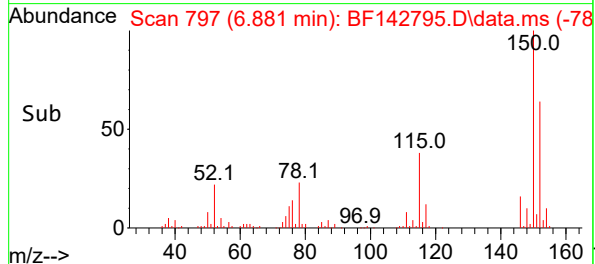
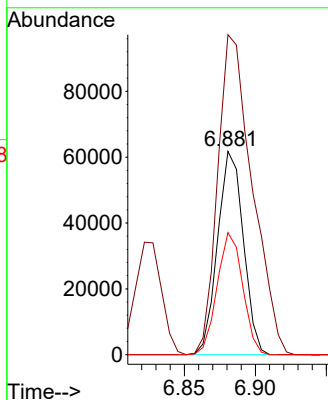
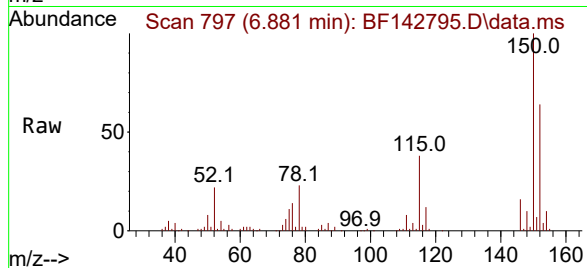
Benzo(g,h,i)perylene



#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

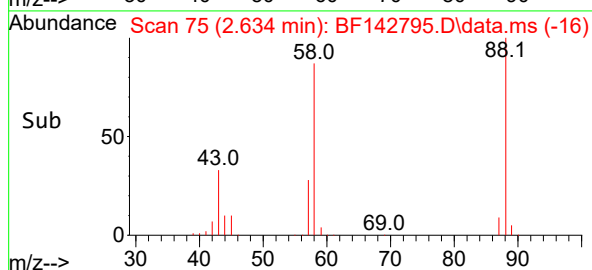
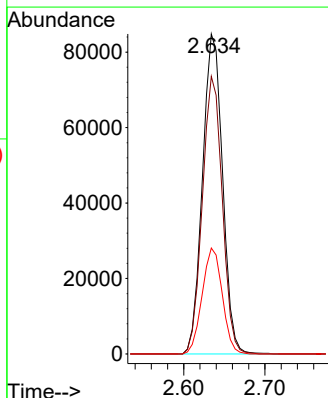
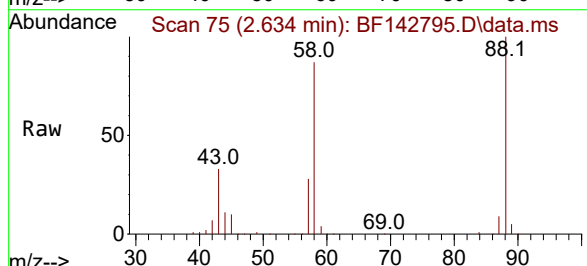
Instrument :
BNA_F
ClientSampleId :
SSTDICC080

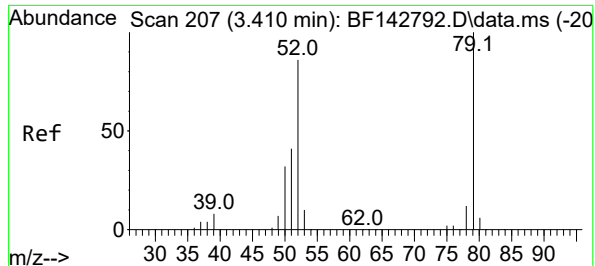
Tgt Ion:152 Resp: 77938
Ion Ratio Lower Upper
152 100
150 157.3 127.2 190.8
115 60.0 46.6 69.8



#2
1,4-Dioxane
Concen: 80.147 ng
RT: 2.634 min Scan# 75
Delta R.T. -0.006 min
Lab File: BF142795.D
Acq: 19 Jun 2025 20:40

Tgt Ion: 88 Resp: 145434
Ion Ratio Lower Upper
88 100
58 86.0 69.1 103.7
43 33.2 27.4 41.2

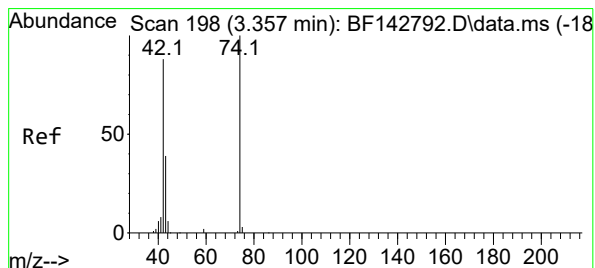
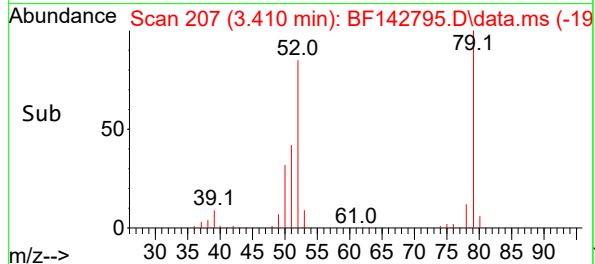
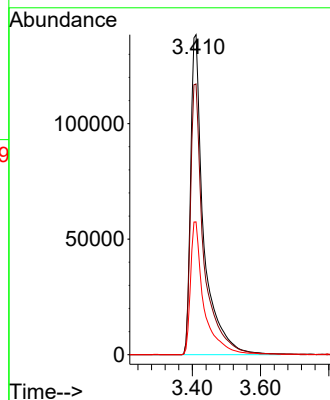
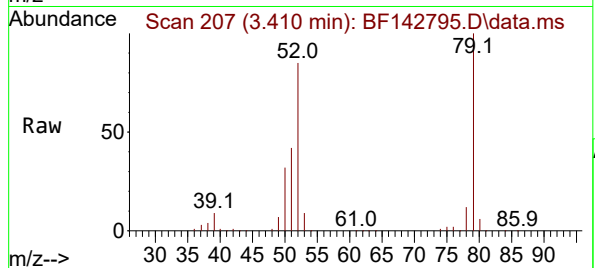




#3
Pyridine
Concen: 81.031 ng
RT: 3.410 min Scan# 20
Delta R.T. 0.000 min
Lab File: BF142795.D
Acq: 19 Jun 2025 20:40

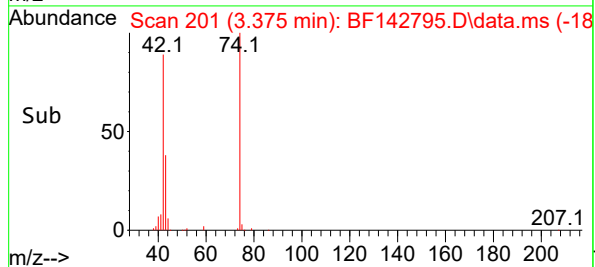
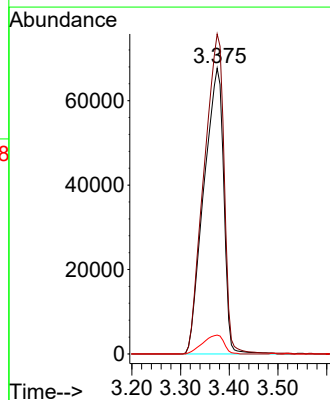
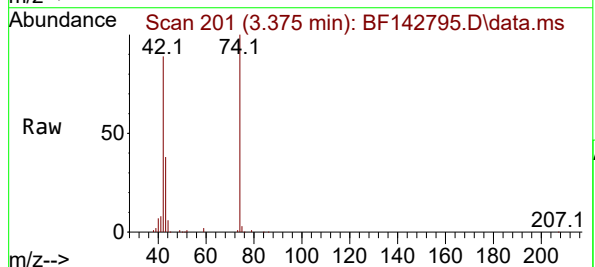
Instrument :
BNA_F
ClientSampleId :
SSTDICC080

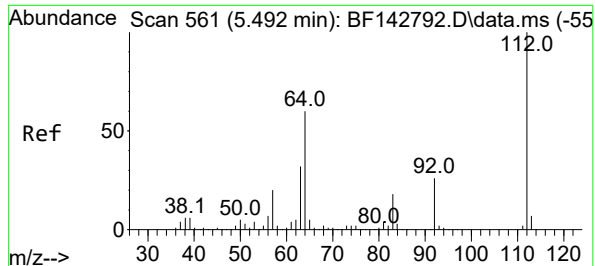
Tgt Ion: 79 Resp: 368129
Ion Ratio Lower Upper
79 100
52 84.6 69.2 103.8
51 41.5 33.2 49.8



#4
n-Nitrosodimethylamine
Concen: 82.265 ng
RT: 3.375 min Scan# 201
Delta R.T. 0.018 min
Lab File: BF142795.D
Acq: 19 Jun 2025 20:40

Tgt Ion: 42 Resp: 191412
Ion Ratio Lower Upper
42 100
74 112.0 90.9 136.3
44 6.6 5.8 8.6

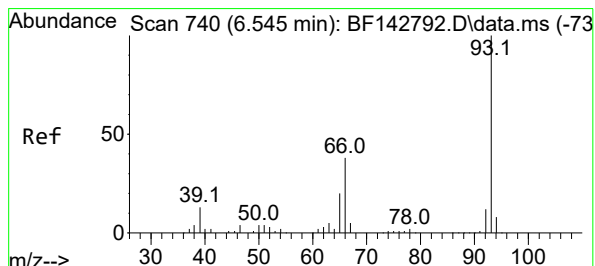
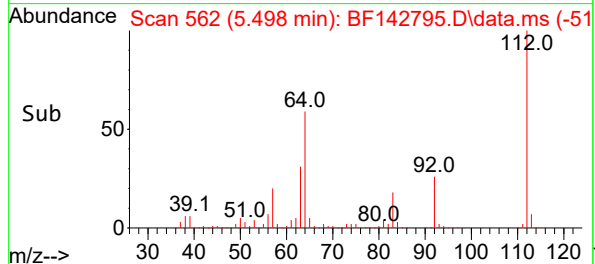
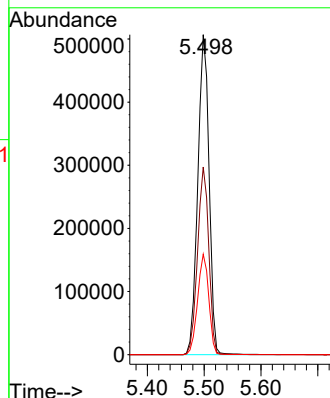
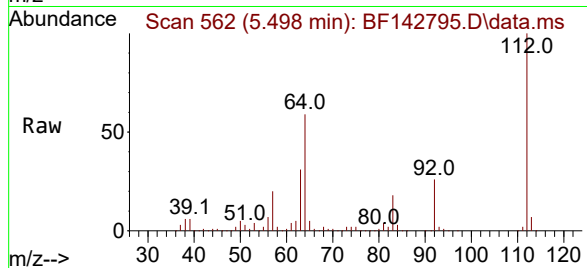




#5
2-Fluorophenol
Concen: 153.880 ng
RT: 5.498 min Scan# 50
Delta R.T. 0.006 min
Lab File: BF142795.D
Acq: 19 Jun 2025 20:40

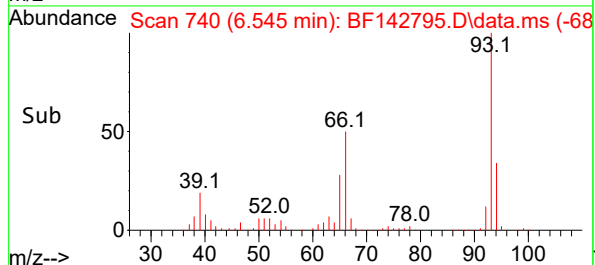
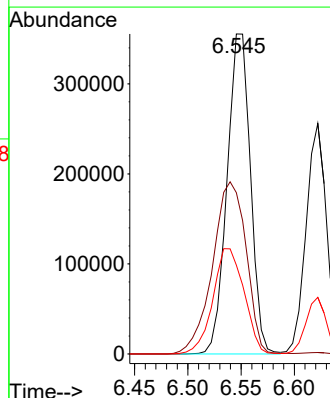
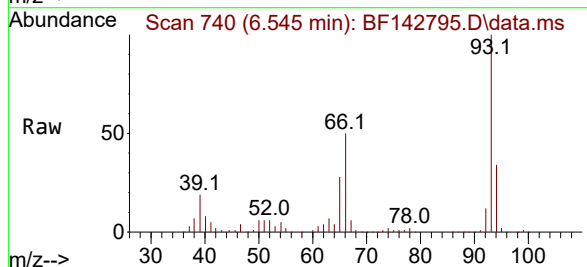
Instrument :
BNA_F
ClientSampleId :
SSTDICC080

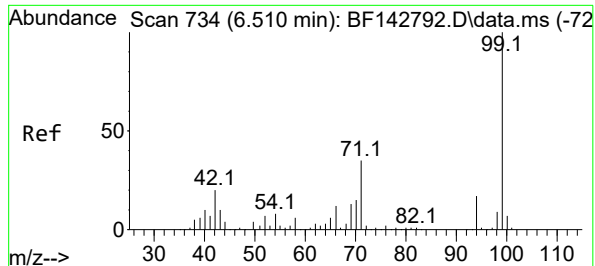
Tgt Ion:112 Resp: 703164
Ion Ratio Lower Upper
112 100
64 58.7 48.2 72.2
63 31.4 25.7 38.5



#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

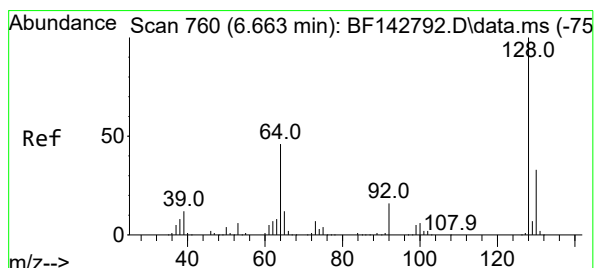
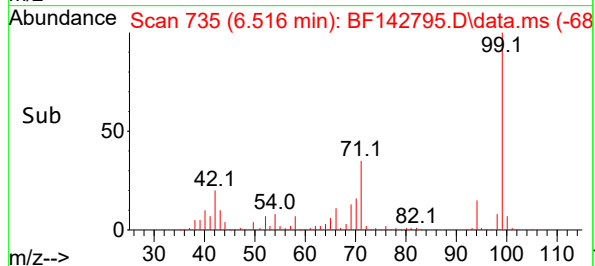
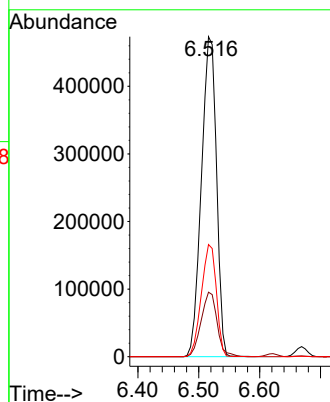
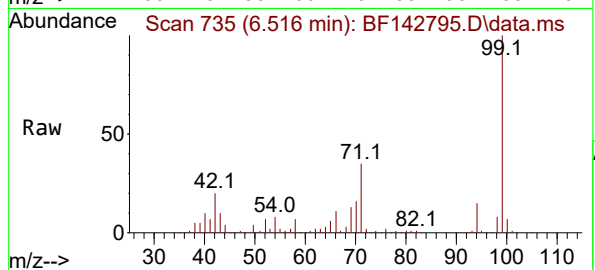
Tgt Ion: 99 Resp: 813626

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

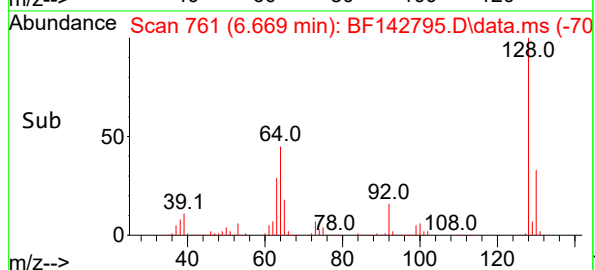
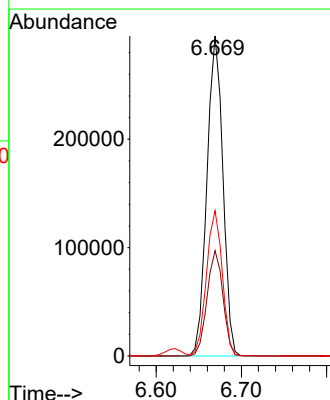
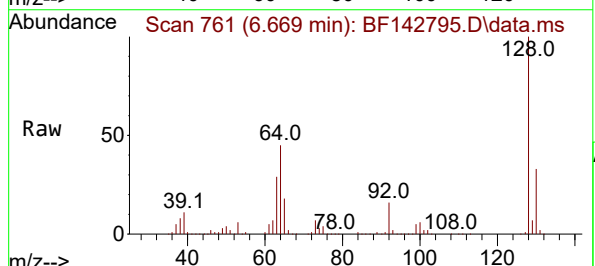
Tgt Ion:128 Resp: 383707

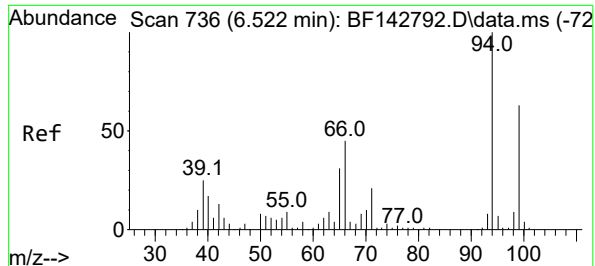
Ion Ratio Lower Upper

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

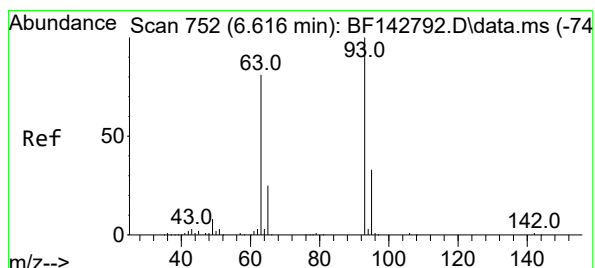
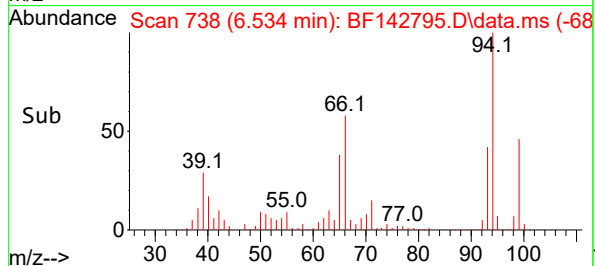
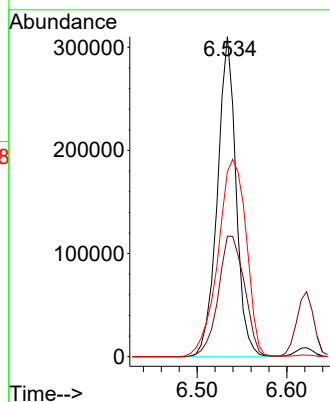
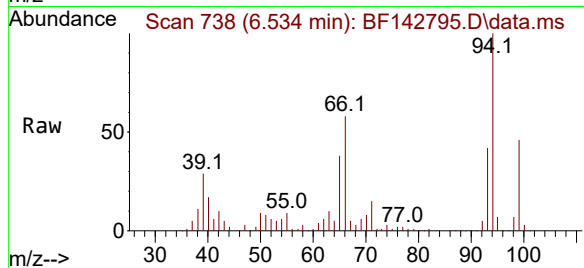
Tgt Ion: 94 Resp: 448139

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

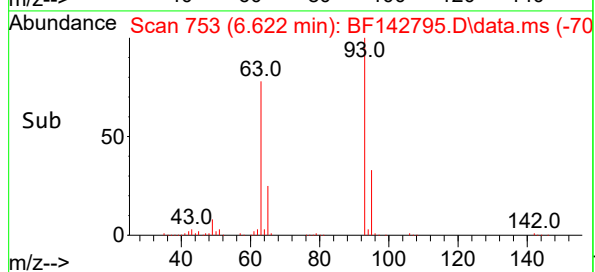
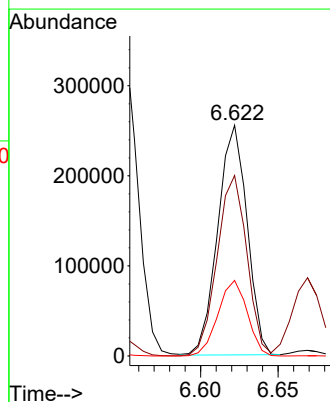
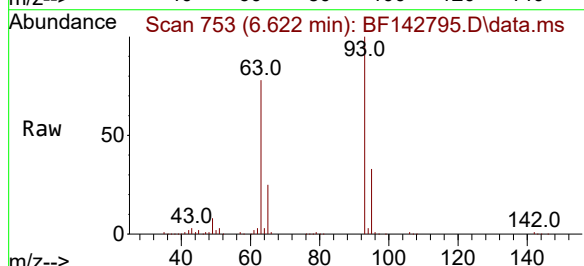
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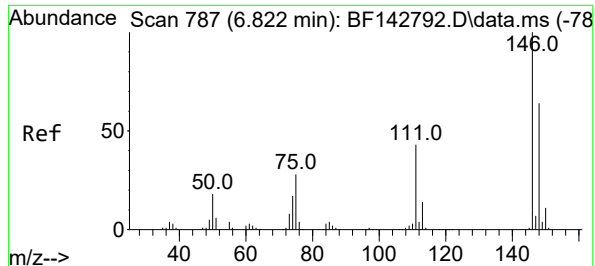
Ion Ratio Lower Upper

93 100

63 78.2 60.3 100.3

95 32.8 12.5 52.5





#12

1,3-Dichlorobenzene

Concen: 74.190 ng

RT: 6.822 min Scan# 787

Delta R.T. 0.000 min

Lab File: BF142795.D

Acq: 19 Jun 2025 20:40

Instrument :

BNA_F

ClientSampleId :

SSTDICC080

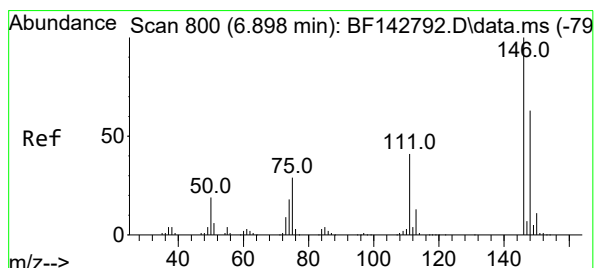
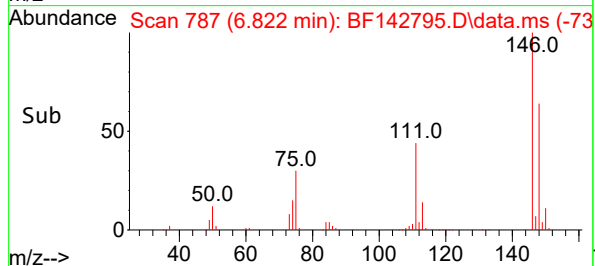
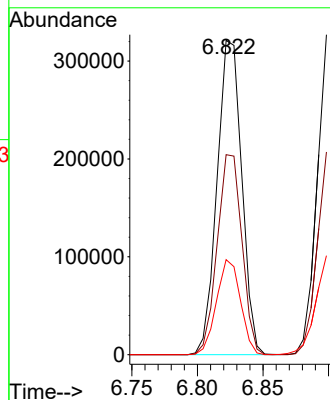
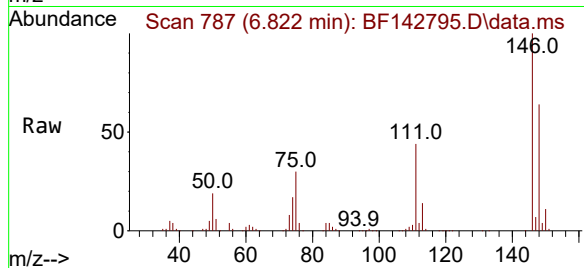
Tgt Ion:146 Resp: 420352

Ion Ratio Lower Upper

146 100

148 63.6 51.1 76.7

75 30.2 22.7 34.1



#13

1,4-Dichlorobenzene

Concen: 73.115 ng

RT: 6.898 min Scan# 800

Delta R.T. 0.000 min

Lab File: BF142795.D

Acq: 19 Jun 2025 20:40

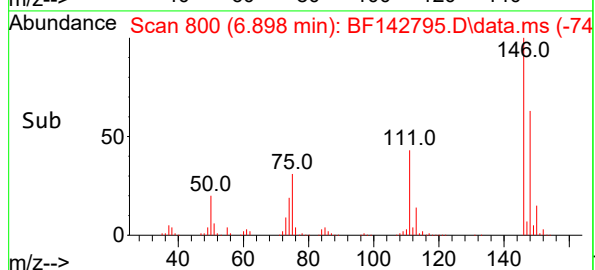
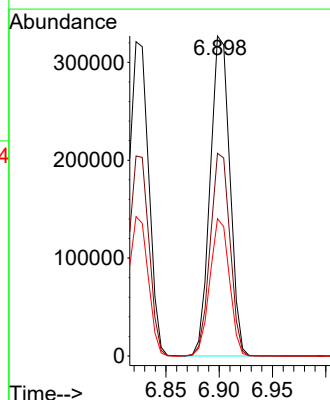
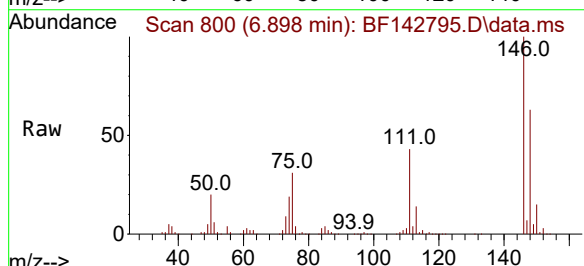
Tgt Ion:146 Resp: 419873

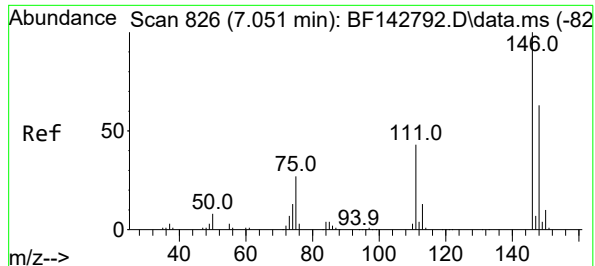
Ion Ratio Lower Upper

146 100

148 63.4 50.2 75.2

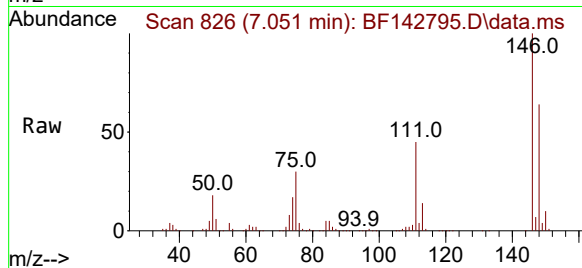
111 42.9 33.2 49.8



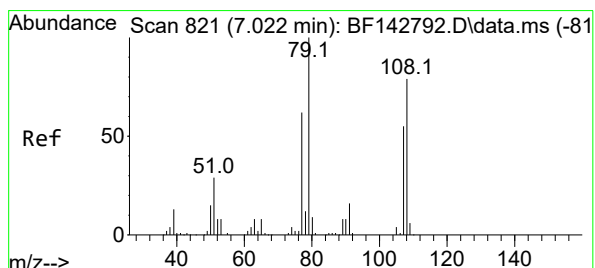
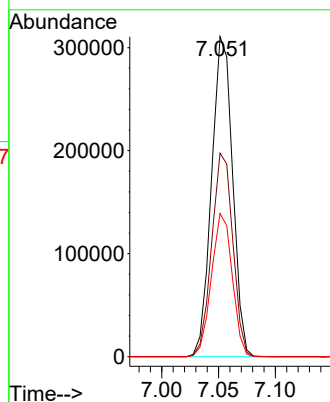
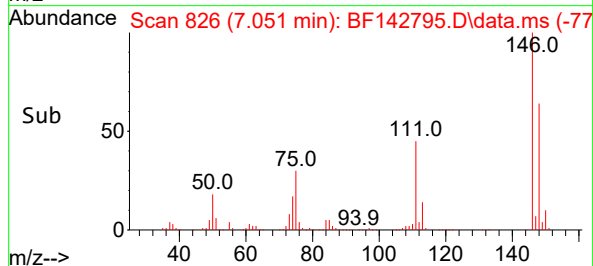


#14
1,2-Dichlorobenzene
Concen: 72.897 ng
RT: 7.051 min Scan# 81
Delta R.T. 0.000 min
Lab File: BF142795.D
Acq: 19 Jun 2025 20:40

Instrument :
BNA_F
ClientSampleId :
SSTDICC080

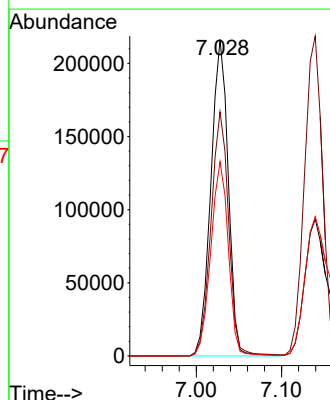
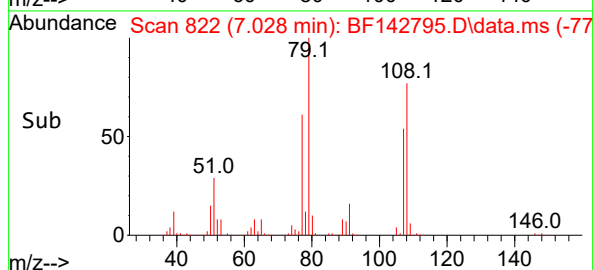
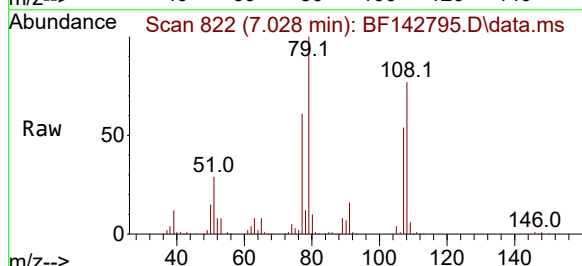


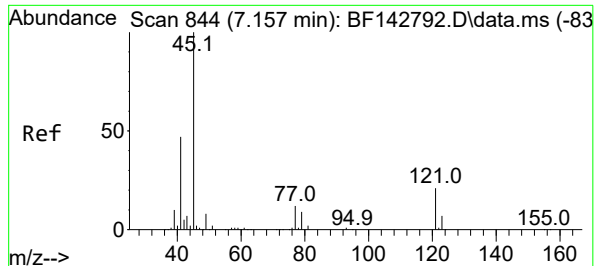
Tgt Ion:146 Resp: 400191
Ion Ratio Lower Upper
146 100
148 63.6 50.4 75.6
111 44.8 34.1 51.1



#15
Benzyl Alcohol
Concen: 76.460 ng
RT: 7.028 min Scan# 822
Delta R.T. 0.006 min
Lab File: BF142795.D
Acq: 19 Jun 2025 20:40

Tgt Ion: 79 Resp: 307100
Ion Ratio Lower Upper
79 100
108 77.2 63.4 95.0
77 61.4 49.5 74.3





#16

2,2'-oxybis(1-Chloropropane)

Concen: 73.285 ng

RT: 7.157 min Scan# 84

Delta R.T. 0.000 min

Lab File: BF142795.D

Acq: 19 Jun 2025 20:40

Instrument :

BNA_F

ClientSampleId :

SSTDICC080

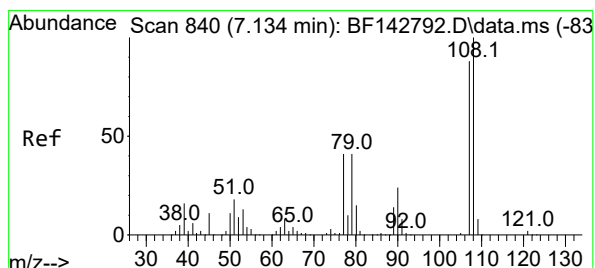
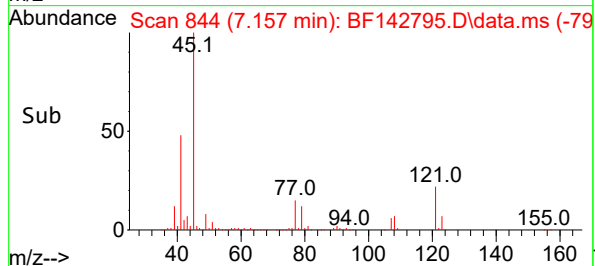
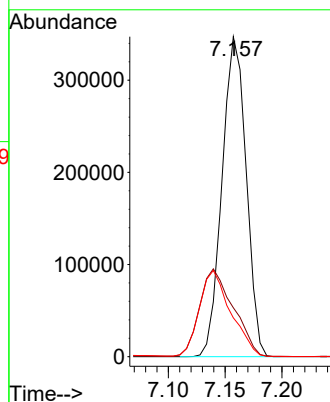
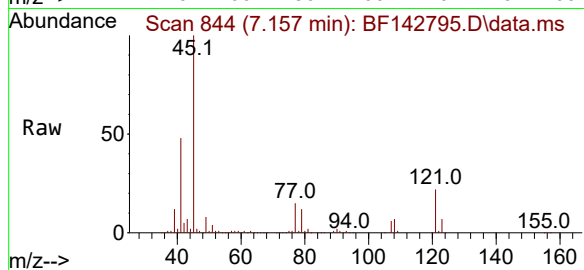
Tgt Ion: 45 Resp: 512514

Ion Ratio Lower Upper

45 100

77 15.3 0.0 32.8

79 12.1 0.0 29.8



#17

2-Methylphenol

Concen: 76.123 ng

RT: 7.140 min Scan# 841

Delta R.T. 0.006 min

Lab File: BF142795.D

Acq: 19 Jun 2025 20:40

Tgt Ion:107 Resp: 289573

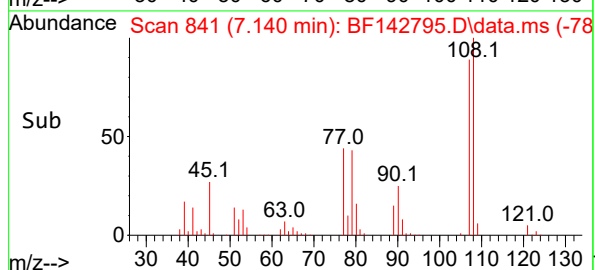
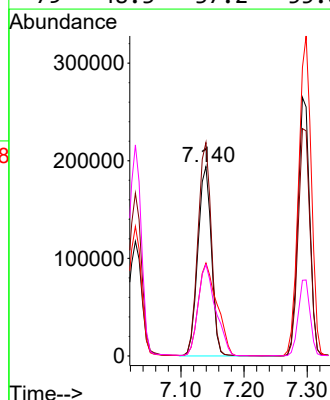
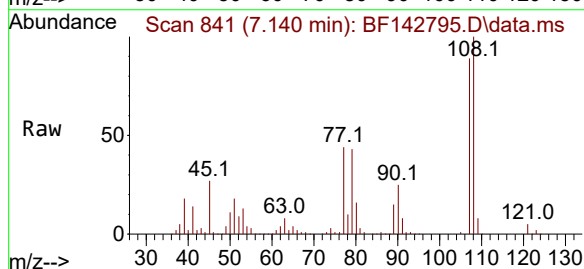
Ion Ratio Lower Upper

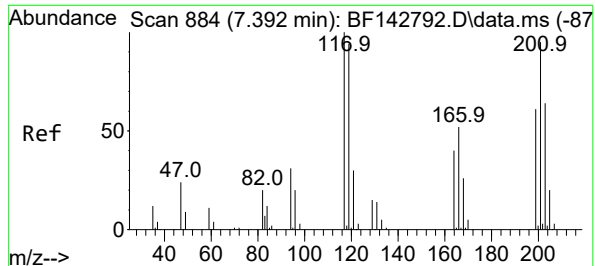
107 100

108 112.7 90.9 136.3

77 49.1 37.3 55.9

79 48.3 37.2 55.8

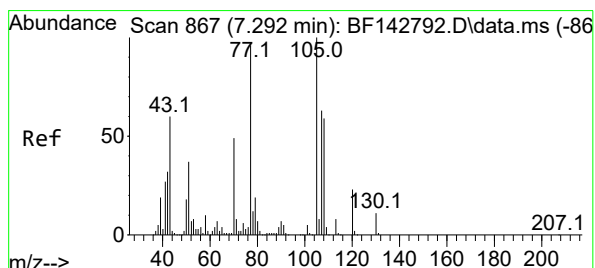
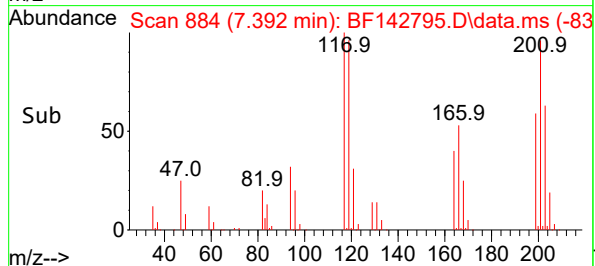
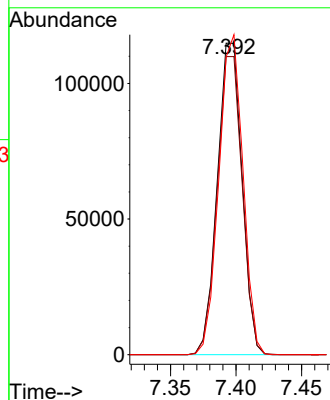
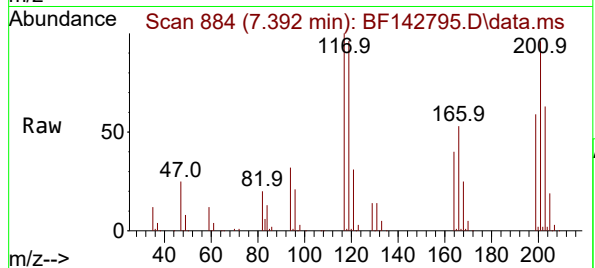




#18
Hexachloroethane
Concen: 73.550 ng
RT: 7.392 min Scan# 884
Delta R.T. 0.000 min
Lab File: BF142795.D
Acq: 19 Jun 2025 20:40

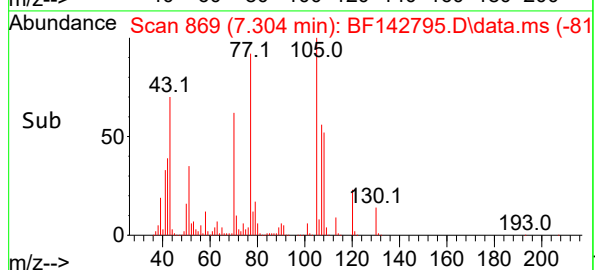
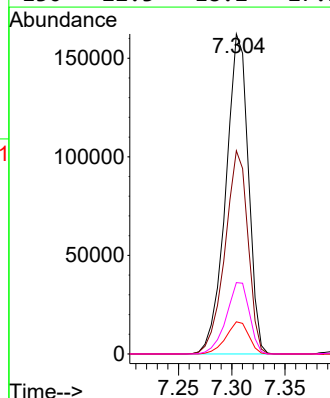
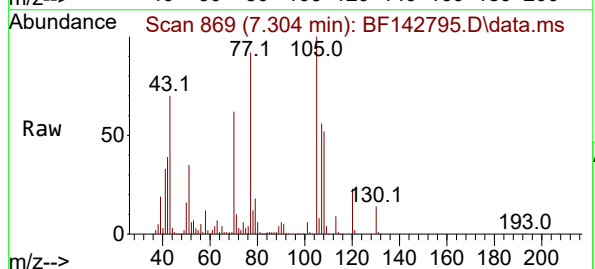
Instrument :
BNA_F
ClientSampleId :
SSTDICC080

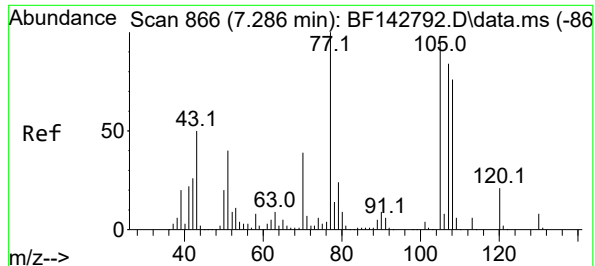
Tgt Ion:117 Resp: 150991
Ion Ratio Lower Upper
117 100
119 95.7 75.4 113.0
201 95.5 75.9 113.9



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

Tgt Ion: 70 Resp: 238778
Ion Ratio Lower Upper
70 100
42 63.5 52.1 78.1
101 10.0 8.2 12.2
130 22.3 18.2 27.2





#20

3+4-Methylphenols

Concen: 72.154 ng

RT: 7.292 min Scan# 8

Delta R.T. 0.006 min

Lab File: BF142795.D

Acq: 19 Jun 2025 20:40

Instrument :

BNA_F

ClientSampleId :

SSTDICC080

Tgt Ion:107 Resp: 345456

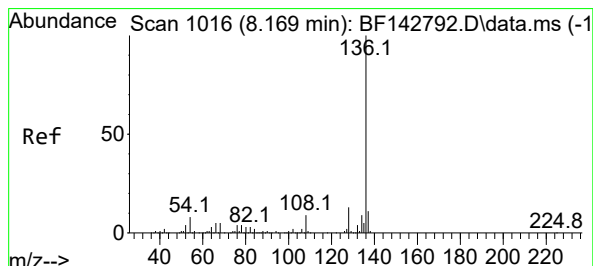
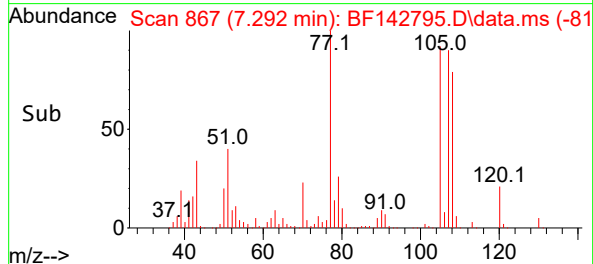
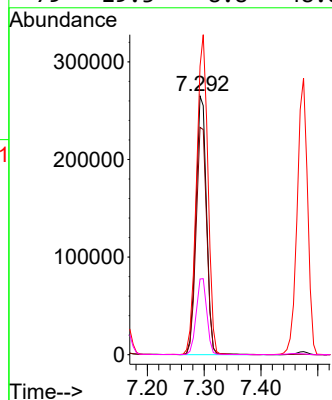
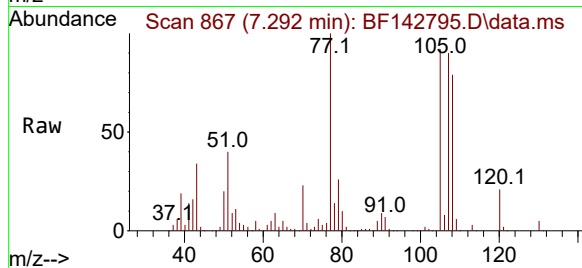
Ion Ratio Lower Upper

107 100

108 87.9 70.0 110.0

77 111.5 98.5 138.5

79 29.3 8.8 48.8



#21

Naphthalene-d8

Concen: 20.000 ng

RT: 8.169 min Scan# 1016

Delta R.T. 0.000 min

Lab File: BF142795.D

Acq: 19 Jun 2025 20:40

Tgt Ion:136 Resp: 285299

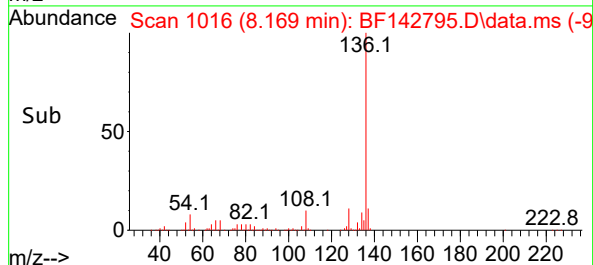
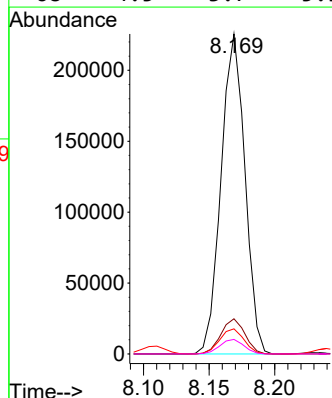
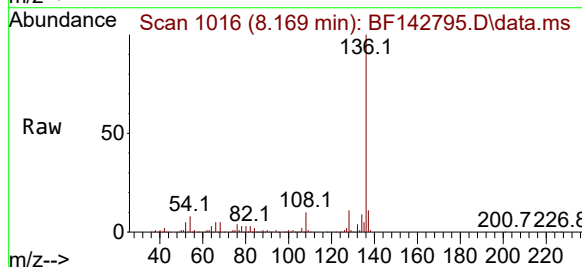
Ion Ratio Lower Upper

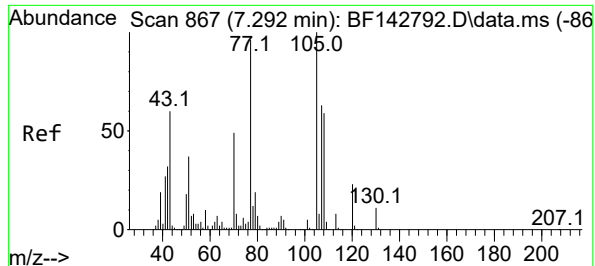
136 100

137 11.0 8.4 12.6

54 7.9 6.3 9.5

68 4.5 3.7 5.5

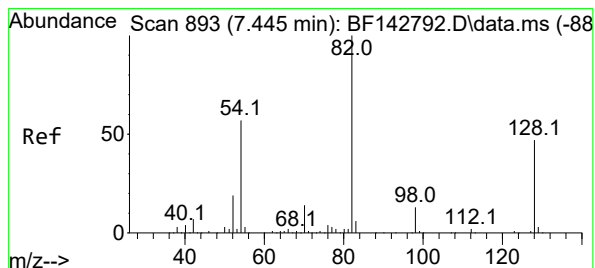
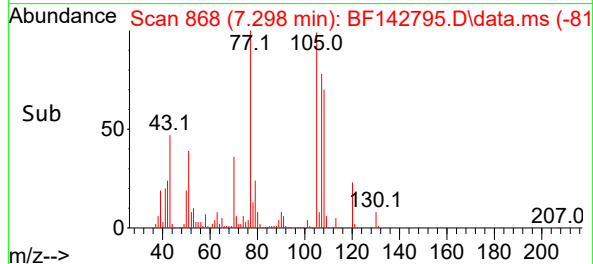
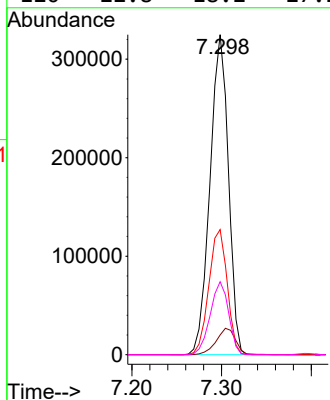
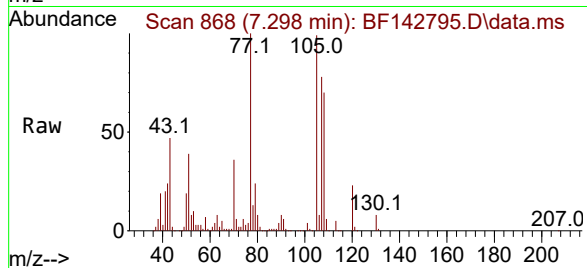




#22
Acetophenone
Concen: 73.349 ng
RT: 7.298 min Scan# 867
Delta R.T. 0.006 min
Lab File: BF142795.D
Acq: 19 Jun 2025 20:40

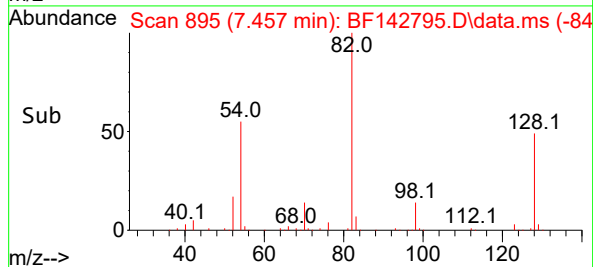
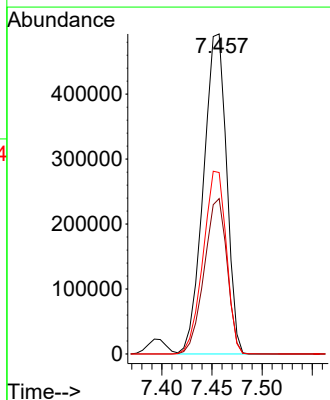
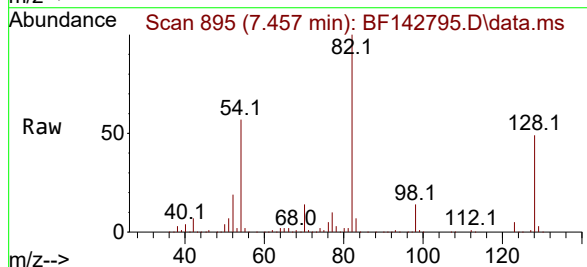
Instrument :
BNA_F
ClientSampleId :
SSTDICC080

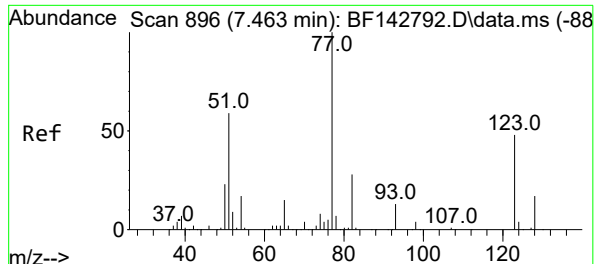
Tgt Ion:105 Resp: 463019
Ion Ratio Lower Upper
105 100
71 6.2 6.5 9.7#
51 39.1 29.8 44.8
120 22.8 18.2 27.2



#23
Nitrobenzene-d5
Concen: 152.234 ng
RT: 7.457 min Scan# 895
Delta R.T. 0.012 min
Lab File: BF142795.D
Acq: 19 Jun 2025 20:40

Tgt Ion: 82 Resp: 792380
Ion Ratio Lower Upper
82 100
128 48.5 37.7 56.5
54 56.7 45.7 68.5





#24

Nitrobenzene

Concen: 77.574 ng

RT: 7.475 min Scan# 896

Delta R.T. 0.012 min

Lab File: BF142795.D

Acq: 19 Jun 2025 20:40

Instrument :

BNA_F

ClientSampleId :

SSTDICC080

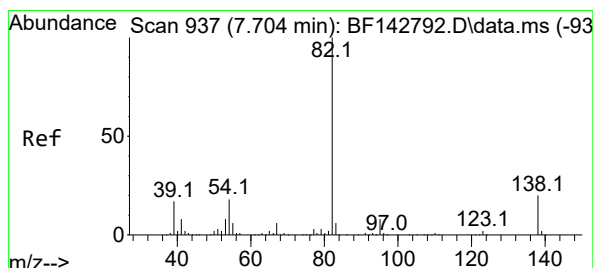
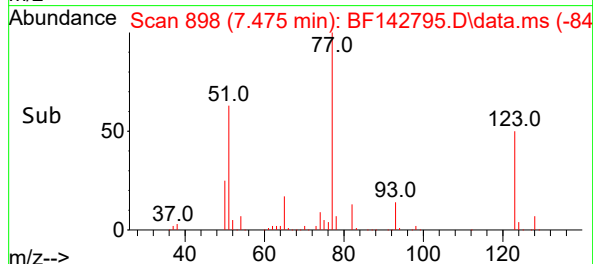
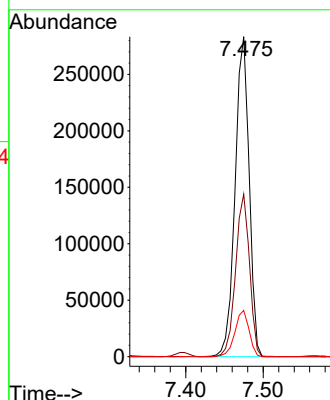
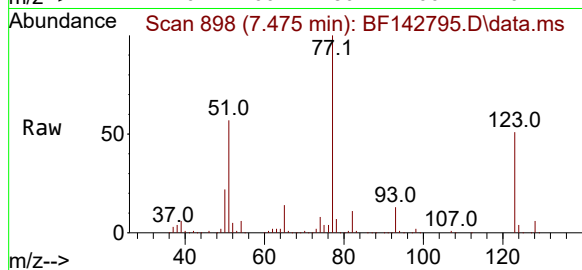
Tgt Ion: 77 Resp: 358834

Ion Ratio Lower Upper

77 100

123 50.8 39.2 58.8

65 14.4 11.6 17.4



#25

Isophorone

Concen: 72.447 ng

RT: 7.716 min Scan# 939

Delta R.T. 0.012 min

Lab File: BF142795.D

Acq: 19 Jun 2025 20:40

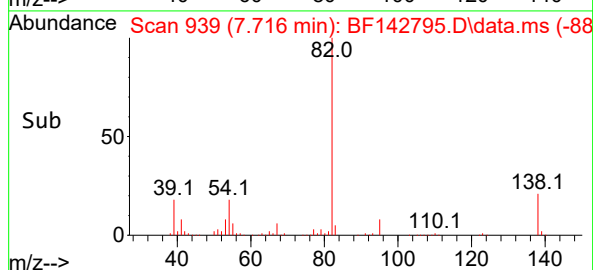
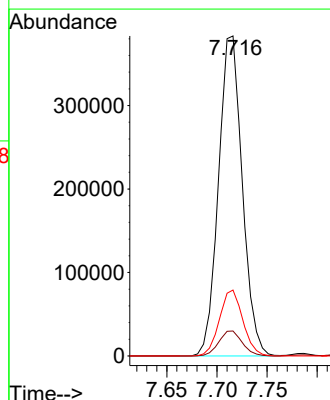
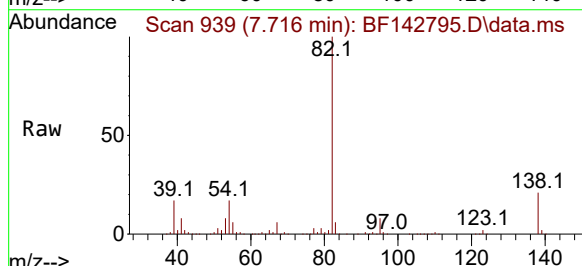
Tgt Ion: 82 Resp: 632390

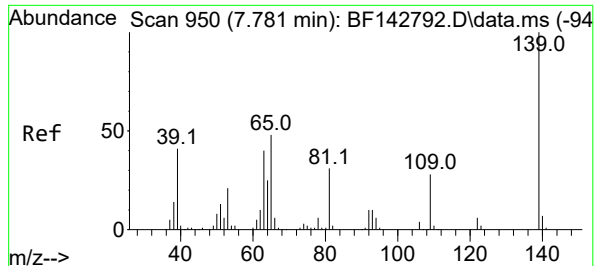
Ion Ratio Lower Upper

82 100

95 7.8 6.2 9.2

138 20.6 16.2 24.4

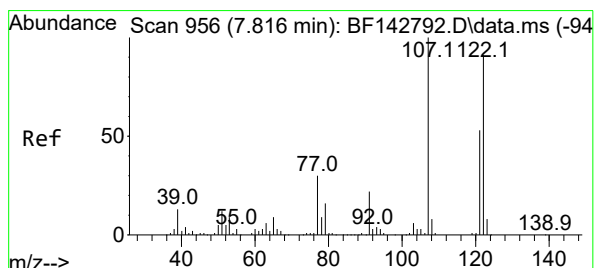
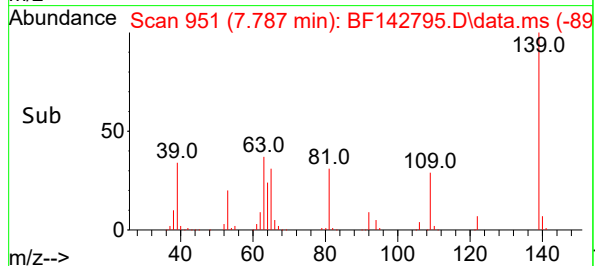
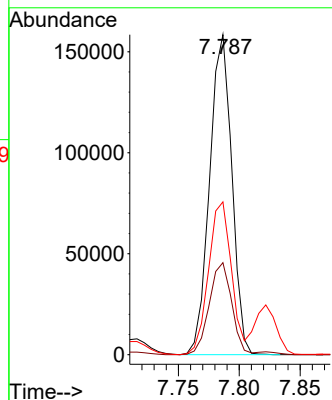
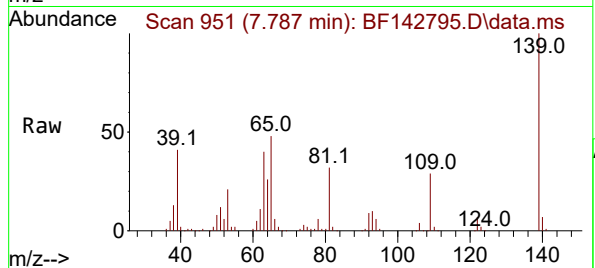




#26
2-Nitrophenol
Concen: 78.009 ng
RT: 7.787 min Scan# 91
Delta R.T. 0.006 min
Lab File: BF142795.D
Acq: 19 Jun 2025 20:40

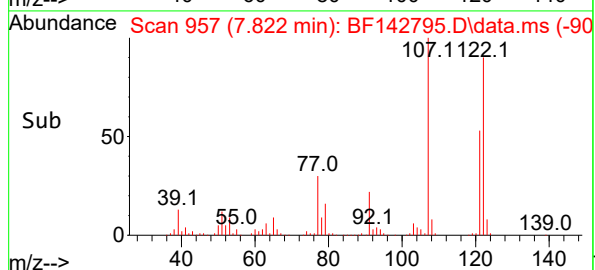
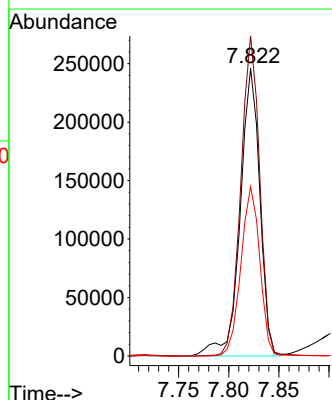
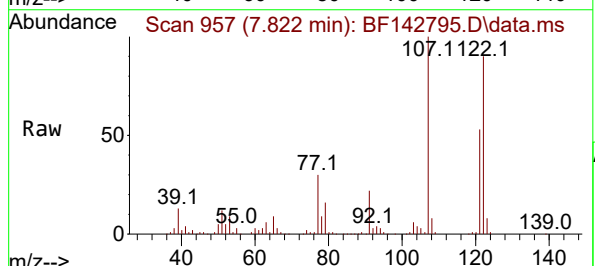
Instrument :
BNA_F
ClientSampleId :
SSTDICC080

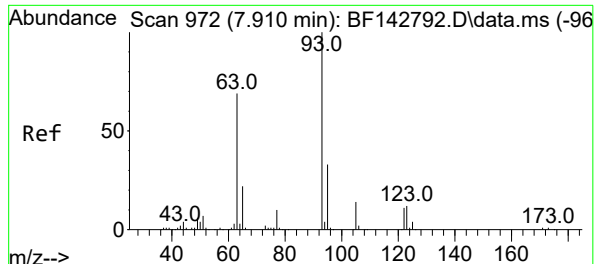
Tgt Ion:139 Resp: 201064
Ion Ratio Lower Upper
139 100
109 28.8 22.7 34.1
65 47.8 38.6 58.0



#27
2,4-Dimethylphenol
Concen: 76.518 ng
RT: 7.822 min Scan# 957
Delta R.T. 0.006 min
Lab File: BF142795.D
Acq: 19 Jun 2025 20:40

Tgt Ion:122 Resp: 335771
Ion Ratio Lower Upper
122 100
107 111.2 88.0 132.0
121 58.9 46.3 69.5





#28

bis(2-Chloroethoxy)methane

Concen: 73.793 ng

RT: 7.916 min Scan# 91

Delta R.T. 0.006 min

Lab File: BF142795.D

Acq: 19 Jun 2025 20:40

Instrument :

BNA_F

ClientSampleId :

SSTDICC080

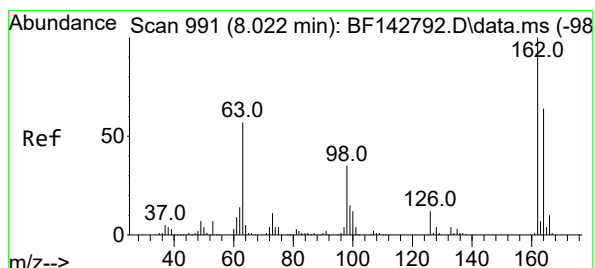
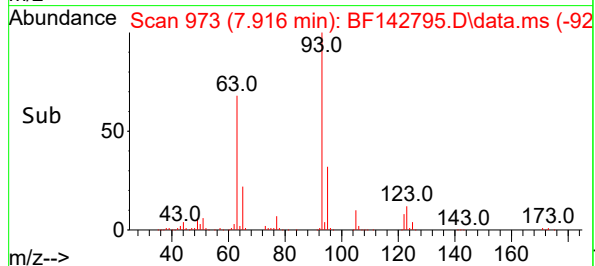
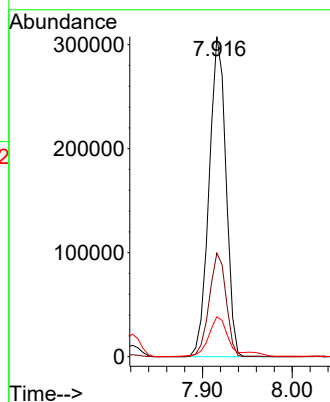
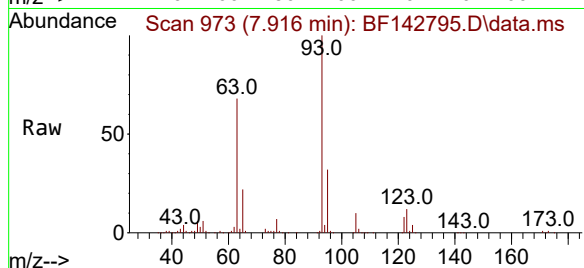
Tgt Ion: 93 Resp: 400973

Ion Ratio Lower Upper

93 100

95 32.3 26.2 39.2

123 12.4 9.9 14.9



#29

2,4-Dichlorophenol

Concen: 75.689 ng

RT: 8.028 min Scan# 992

Delta R.T. 0.006 min

Lab File: BF142795.D

Acq: 19 Jun 2025 20:40

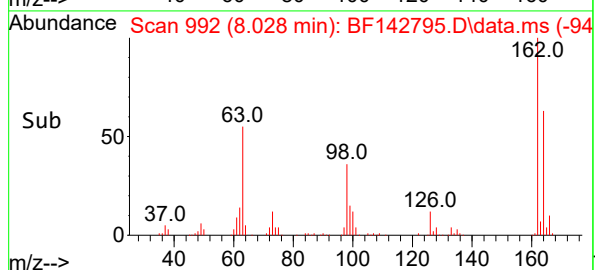
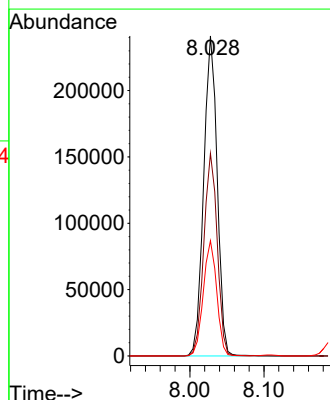
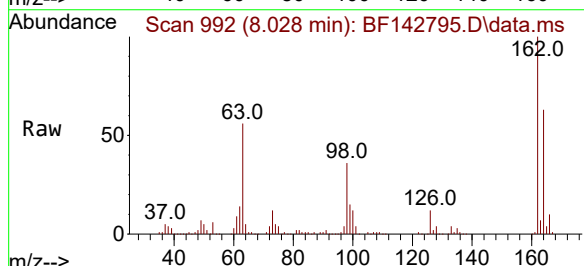
Tgt Ion:162 Resp: 306123

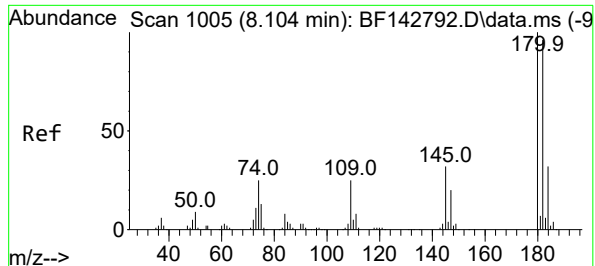
Ion Ratio Lower Upper

162 100

164 63.3 44.0 84.0

98 36.0 15.4 55.4





#30

1,2,4-Trichlorobenzene

Concen: 74.472 ng

RT: 8.110 min Scan# 1005

Delta R.T. 0.006 min

Lab File: BF142795.D

Acq: 19 Jun 2025 20:40

Instrument :

BNA_F

ClientSampleId :

SSTDICC080

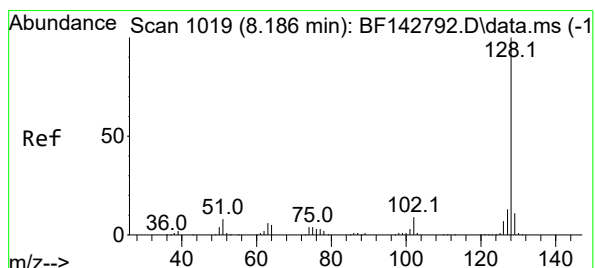
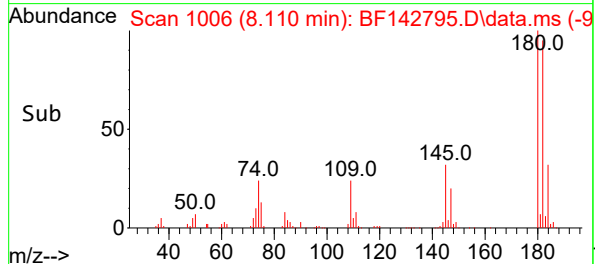
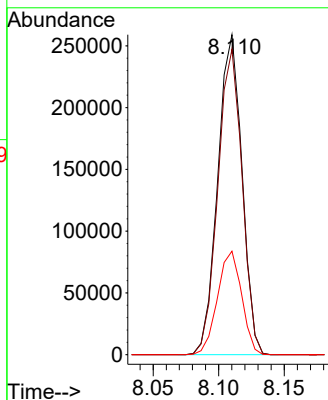
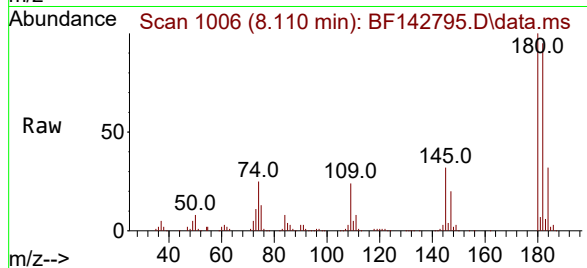
Tgt Ion:180 Resp: 332721

Ion Ratio Lower Upper

180 100

182 95.4 76.4 114.6

145 32.3 25.8 38.8



#31

Naphthalene

Concen: 73.342 ng

RT: 8.192 min Scan# 1020

Delta R.T. 0.006 min

Lab File: BF142795.D

Acq: 19 Jun 2025 20:40

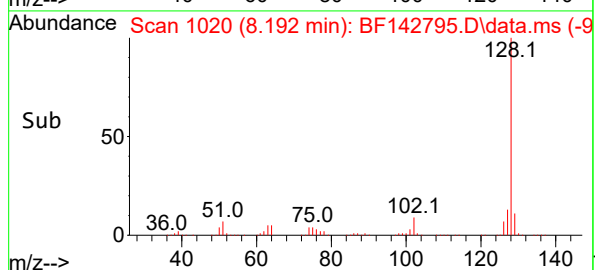
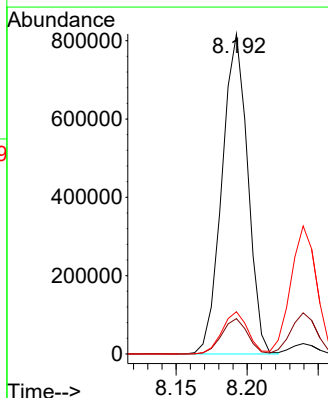
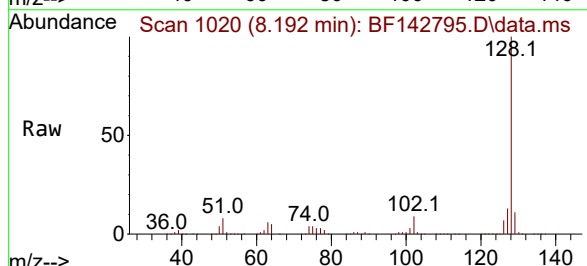
Tgt Ion:128 Resp: 1029082

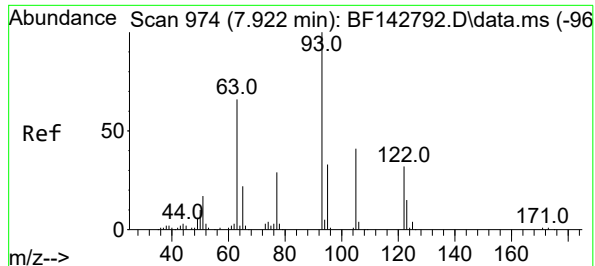
Ion Ratio Lower Upper

128 100

129 11.1 8.9 13.3

127 13.2 10.4 15.6

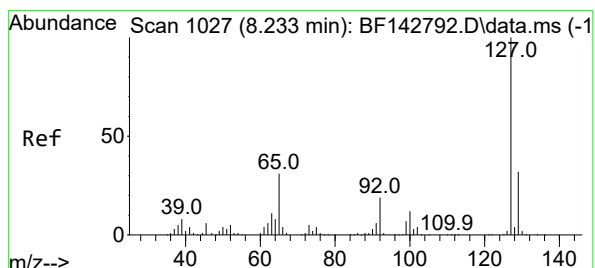
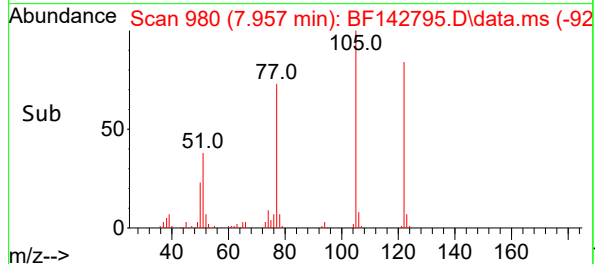
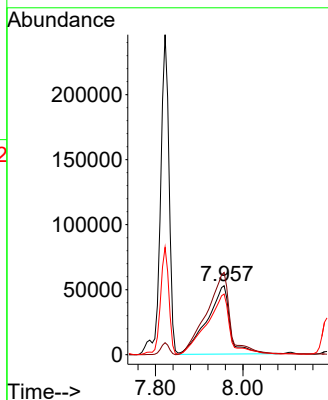
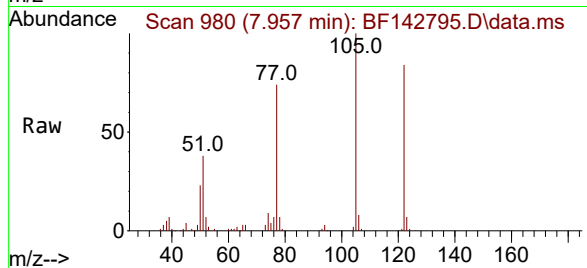




#32
Benzoic acid
Concen: 79.082 ng
RT: 7.957 min Scan# 91
Delta R.T. 0.035 min
Lab File: BF142795.D
Acq: 19 Jun 2025 20:40

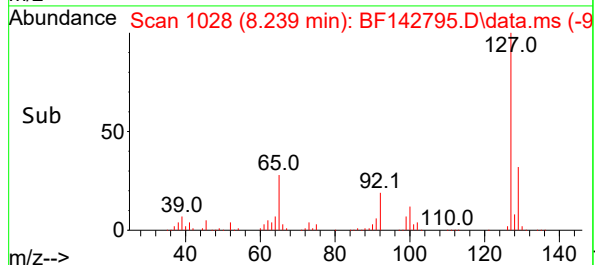
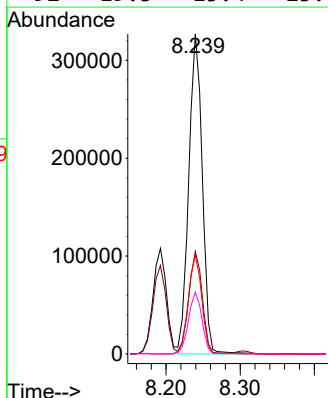
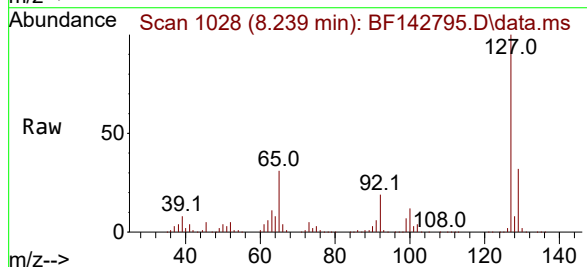
Instrument :
BNA_F
ClientSampleId :
SSTDICC080

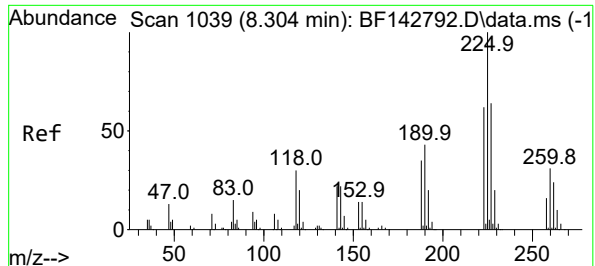
Tgt Ion:122 Resp: 192536
Ion Ratio Lower Upper
122 100
105 119.5 104.7 144.7
77 88.0 70.2 110.2



#33
4-Chloroaniline
Concen: 73.608 ng
RT: 8.239 min Scan# 1028
Delta R.T. 0.006 min
Lab File: BF142795.D
Acq: 19 Jun 2025 20:40

Tgt Ion:127 Resp: 413911
Ion Ratio Lower Upper
127 100
129 32.1 25.9 38.9
65 30.8 24.6 36.8
92 19.3 15.4 23.0

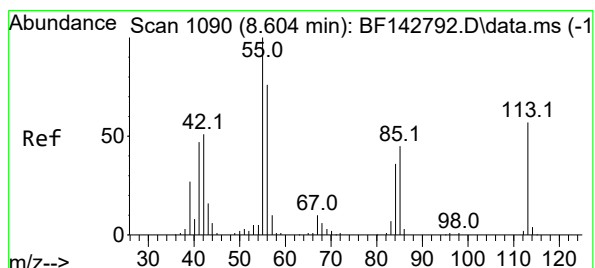
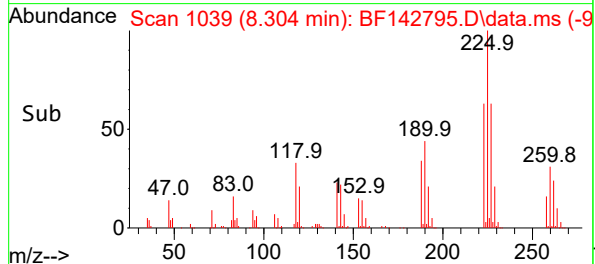
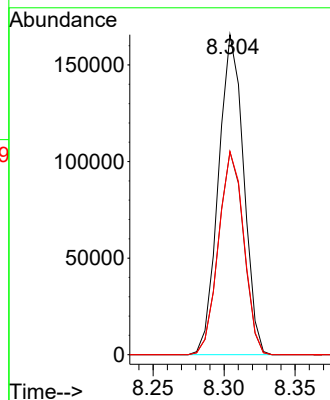
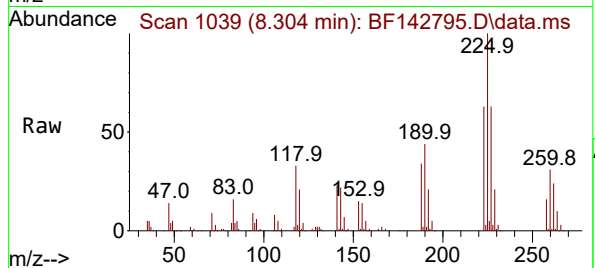




#34
Hexachlorobutadiene
Concen: 72.088 ng
RT: 8.304 min Scan# 1039
Delta R.T. 0.000 min
Lab File: BF142795.D
Acq: 19 Jun 2025 20:40

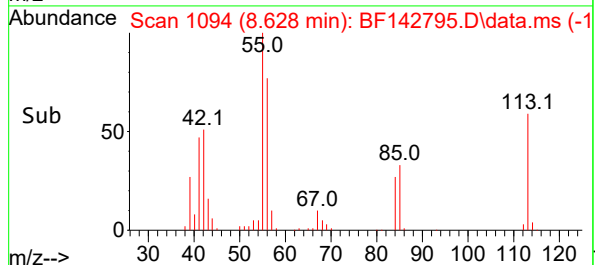
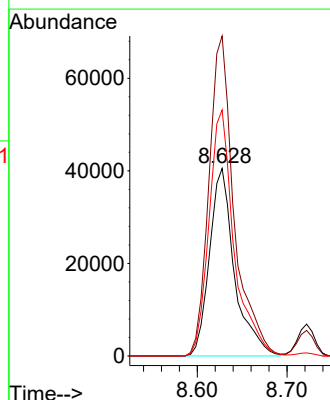
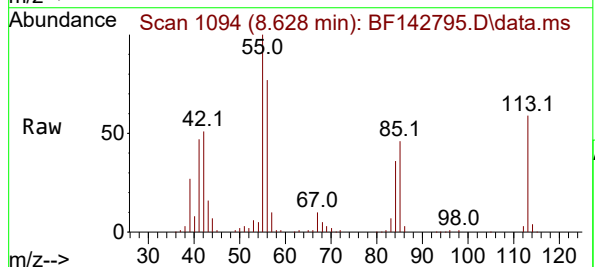
Instrument :
BNA_F
ClientSampleId :
SSTDICC080

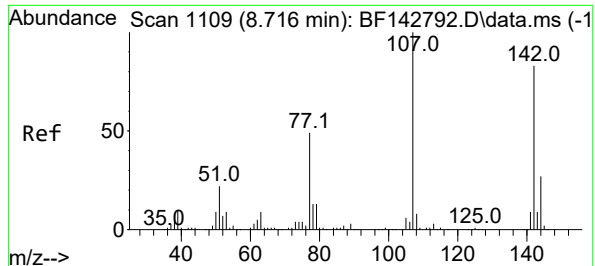
Tgt Ion:225 Resp: 204081
Ion Ratio Lower Upper
225 100
223 63.4 49.9 74.9
227 63.5 51.4 77.0



#35
Caprolactam
Concen: 71.952 ng
RT: 8.628 min Scan# 1094
Delta R.T. 0.024 min
Lab File: BF142795.D
Acq: 19 Jun 2025 20:40

Tgt Ion:113 Resp: 78302
Ion Ratio Lower Upper
113 100
55 170.6 154.4 194.4
56 131.2 112.1 152.1

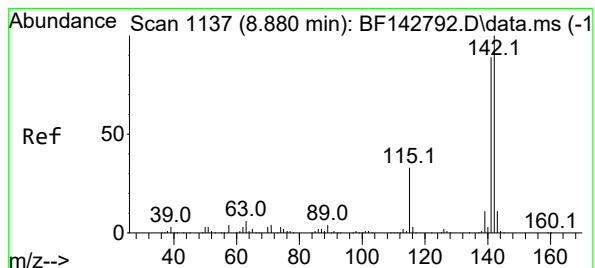
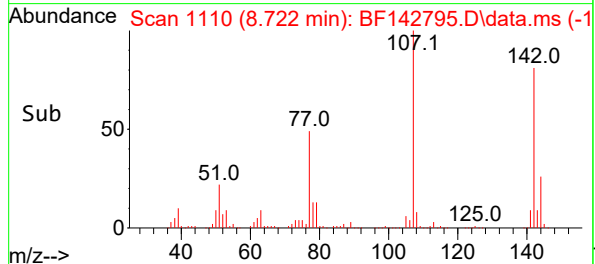
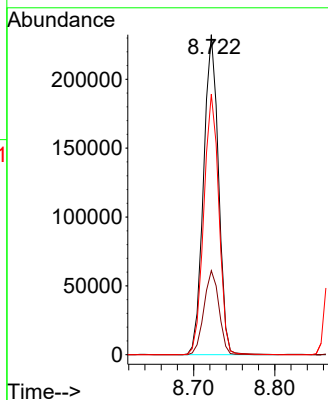
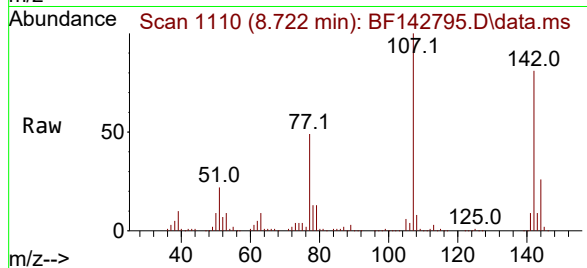




#36
4-Chloro-3-methylphenol
Concen: 70.974 ng
RT: 8.722 min Scan# 1110
Delta R.T. 0.006 min
Lab File: BF142795.D
Acq: 19 Jun 2025 20:40

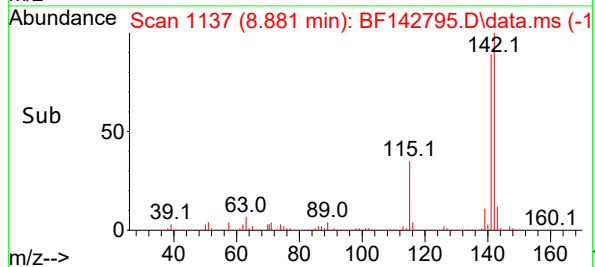
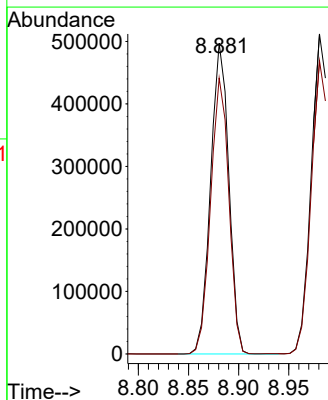
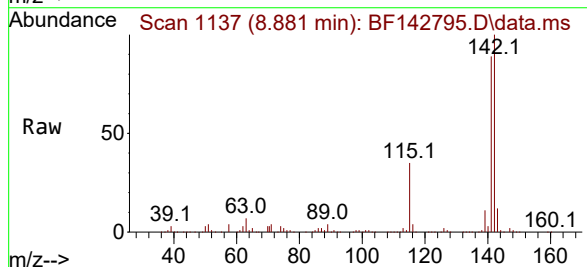
Instrument :
BNA_F
ClientSampleId :
SSTDICC080

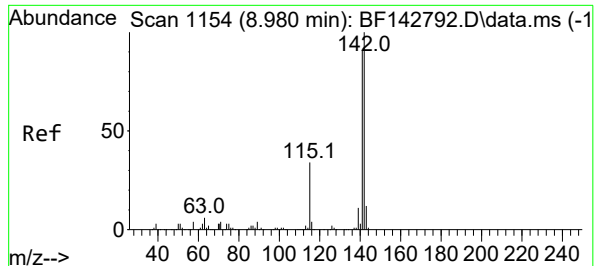
Tgt Ion:107 Resp: 296520
Ion Ratio Lower Upper
107 100
144 26.2 21.3 31.9
142 81.4 66.6 100.0



#37
2-Methylnaphthalene
Concen: 70.857 ng
RT: 8.881 min Scan# 1137
Delta R.T. 0.000 min
Lab File: BF142795.D
Acq: 19 Jun 2025 20:40

Tgt Ion:142 Resp: 627195
Ion Ratio Lower Upper
142 100
141 88.8 70.9 106.3





#38

1-Methylnaphthalene

Concen: 69.952 ng

RT: 8.981 min Scan# 1154

Delta R.T. 0.000 min

Lab File: BF142795.D

Acq: 19 Jun 2025 20:40

Instrument :

BNA_F

ClientSampleId :

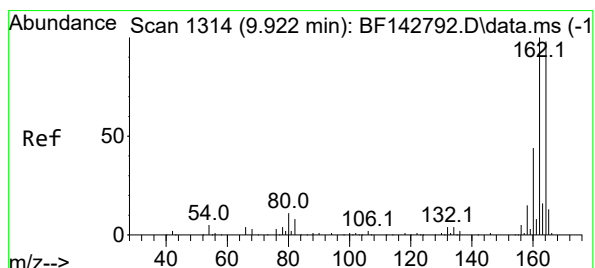
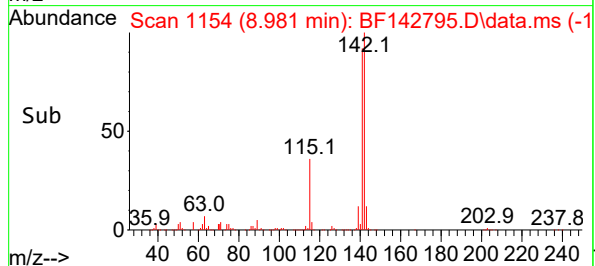
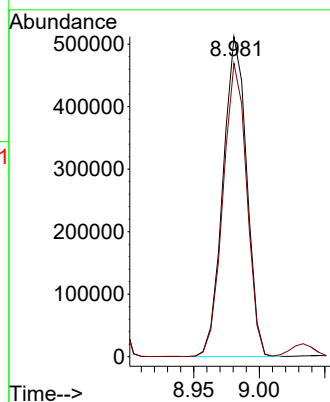
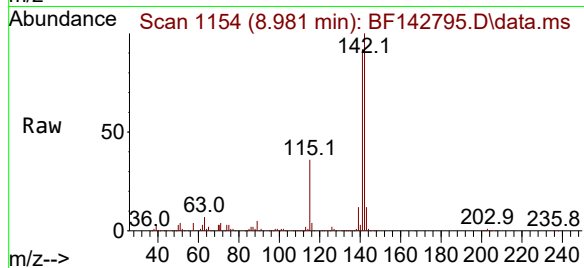
SSTDICC080

Tgt Ion:142 Resp: 642853

Ion Ratio Lower Upper

142 100

141 91.7 73.0 109.4



#39

Acenaphthene-d10

Concen: 20.000 ng

RT: 9.928 min Scan# 1315

Delta R.T. 0.006 min

Lab File: BF142795.D

Acq: 19 Jun 2025 20:40

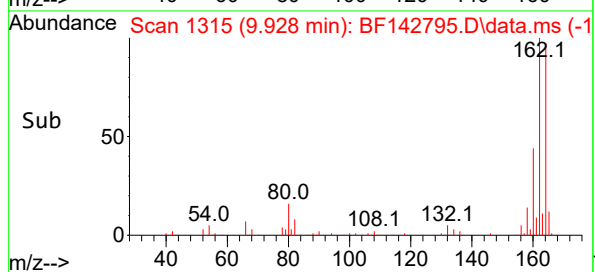
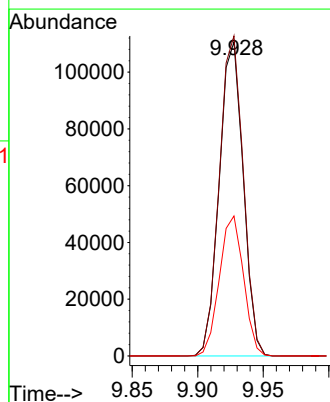
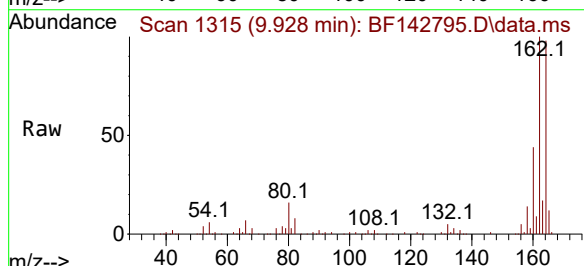
Tgt Ion:164 Resp: 140262

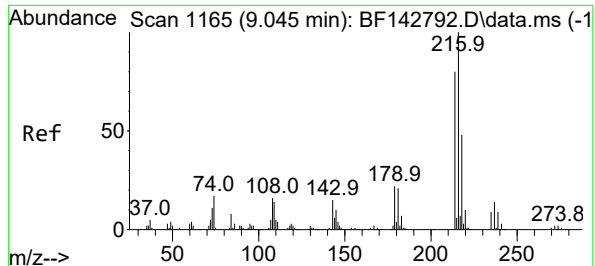
Ion Ratio Lower Upper

164 100

162 101.9 81.8 122.8

160 44.6 36.0 54.0

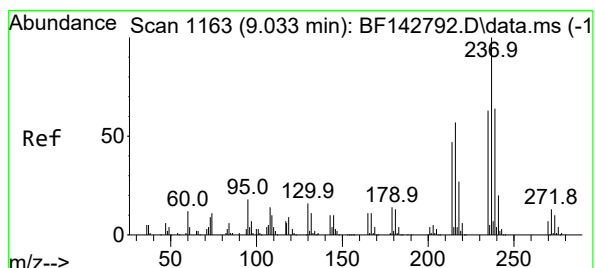
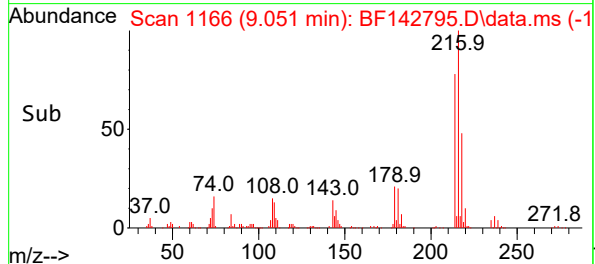
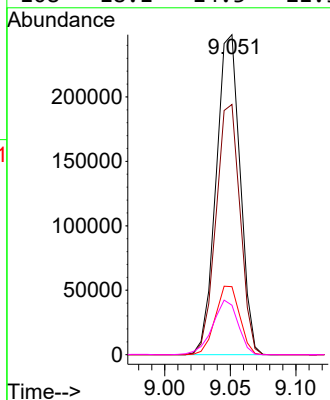
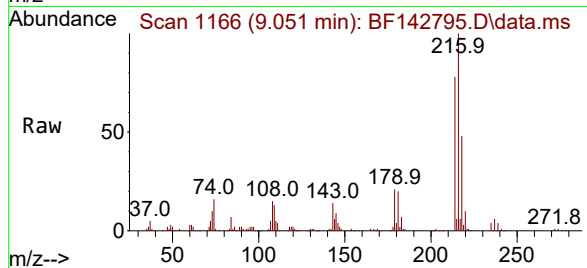




#40
1,2,4,5-Tetrachlorobenzene
Concen: 78.028 ng
RT: 9.051 min Scan# 1166
Delta R.T. 0.006 min
Lab File: BF142795.D
Acq: 19 Jun 2025 20:40

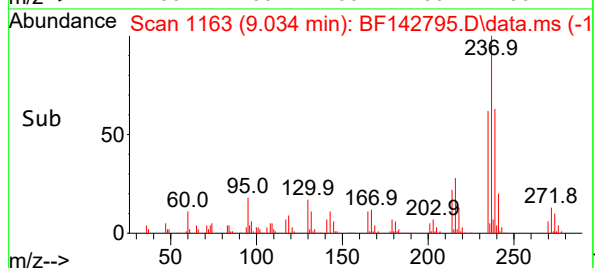
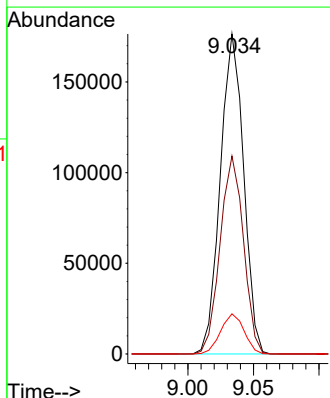
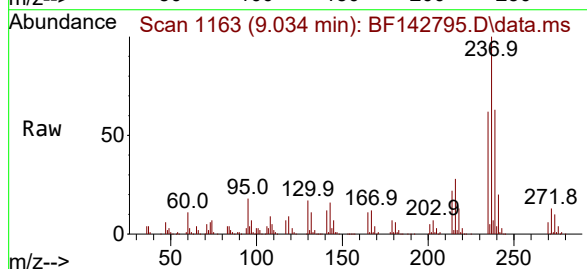
Instrument :
BNA_F
ClientSampleId :
SSTDICC080

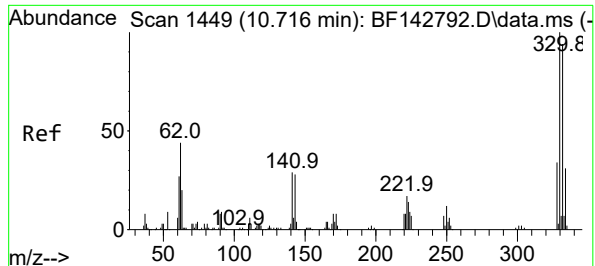
Tgt Ion:216 Resp: 315930
Ion Ratio Lower Upper
216 100
214 78.5 63.7 95.5
179 21.7 17.6 26.4
108 18.1 14.3 21.5



#41
Hexachlorocyclopentadiene
Concen: 85.183 ng
RT: 9.034 min Scan# 1163
Delta R.T. 0.000 min
Lab File: BF142795.D
Acq: 19 Jun 2025 20:40

Tgt Ion:237 Resp: 218091
Ion Ratio Lower Upper
237 100
235 61.9 43.4 83.4
272 12.6 0.0 32.7





#42

2,4,6-Tribromophenol

Concen: 137.823 ng

RT: 10.722 min Scan# 1449

Delta R.T. 0.006 min

Lab File: BF142795.D

Acq: 19 Jun 2025 20:40

Instrument :

BNA_F

ClientSampleId :

SSTDICC080

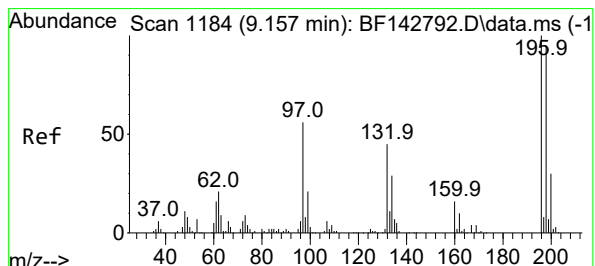
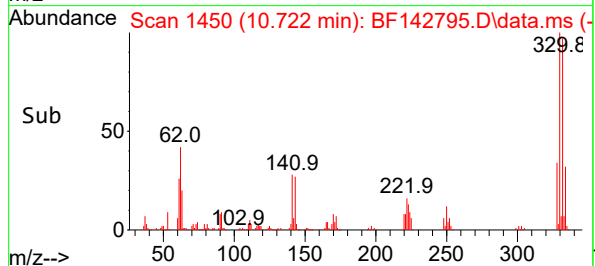
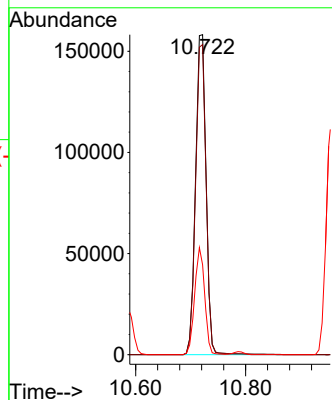
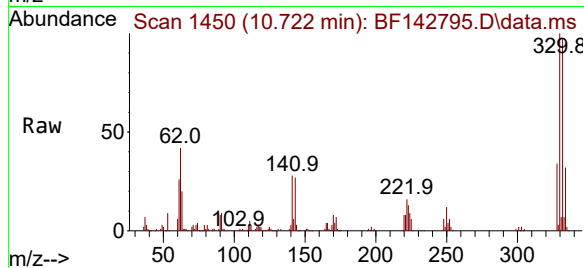
Tgt Ion:330 Resp: 210092

Ion Ratio Lower Upper

330 100

332 96.7 75.0 112.6

141 31.9 25.3 37.9



#43

2,4,6-Trichlorophenol

Concen: 79.375 ng

RT: 9.163 min Scan# 1185

Delta R.T. 0.006 min

Lab File: BF142795.D

Acq: 19 Jun 2025 20:40

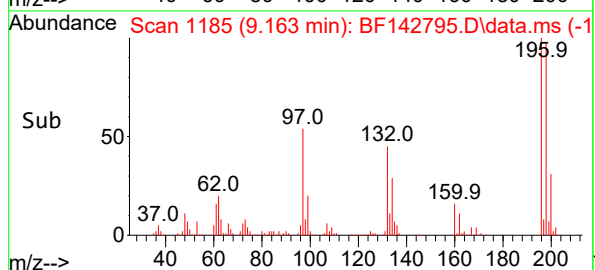
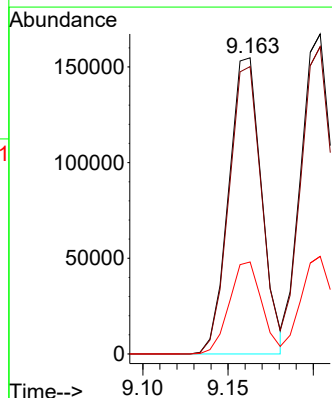
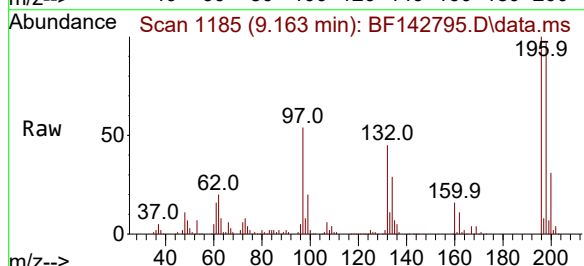
Tgt Ion:196 Resp: 207984

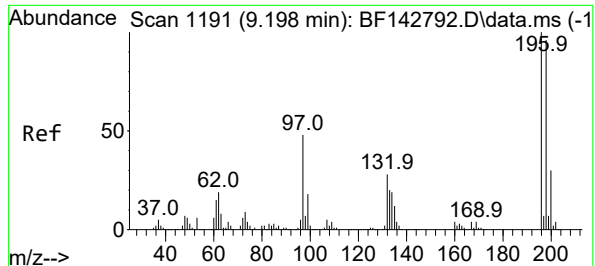
Ion Ratio Lower Upper

196 100

198 97.1 76.2 114.2

200 31.1 24.1 36.1





#44

2,4,5-Trichlorophenol

Concen: 76.993 ng

RT: 9.204 min Scan# 1191

Delta R.T. 0.006 min

Lab File: BF142795.D

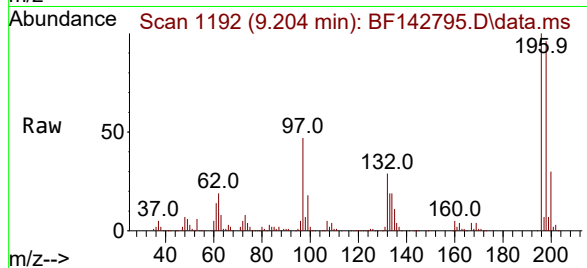
Acq: 19 Jun 2025 20:40

Instrument :

BNA_F

ClientSampleId :

SSTDICC080



Tgt Ion:196 Resp: 217860

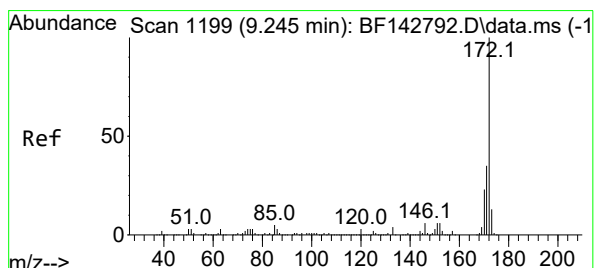
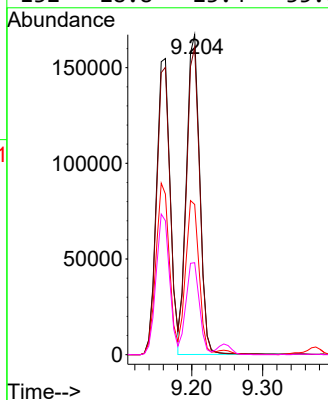
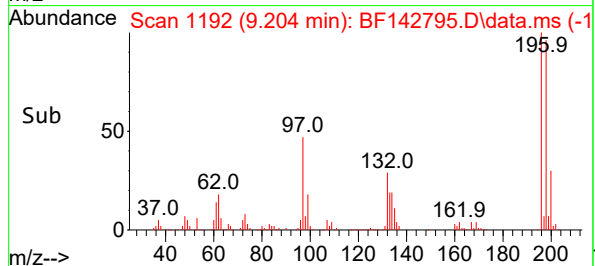
Ion Ratio Lower Upper

196 100

198 96.1 76.6 115.0

97 47.0 38.2 57.2

132 28.8 23.4 35.0



#45

2-Fluorobiphenyl

Concen: 143.770 ng

RT: 9.245 min Scan# 1199

Delta R.T. 0.000 min

Lab File: BF142795.D

Acq: 19 Jun 2025 20:40

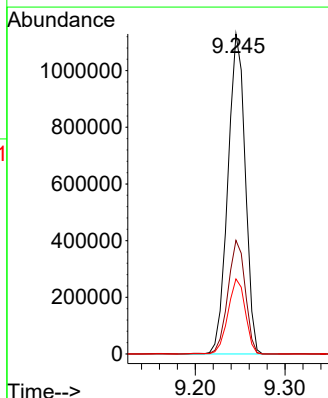
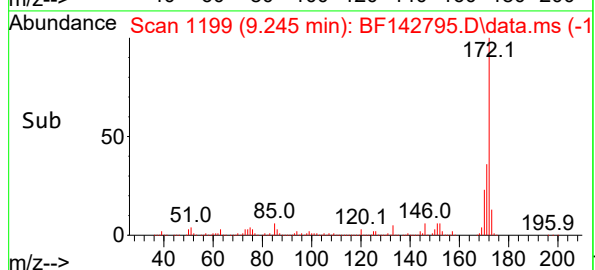
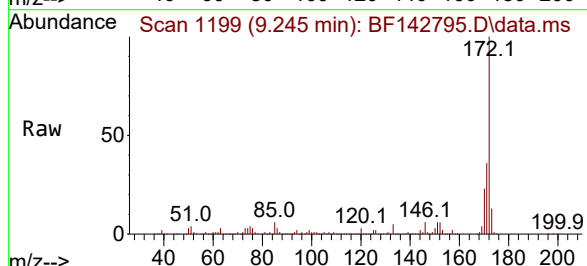
Tgt Ion:172 Resp: 1515847

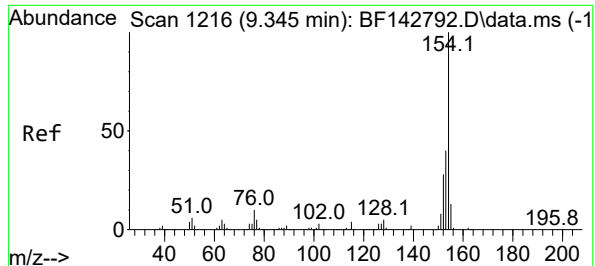
Ion Ratio Lower Upper

172 100

171 35.5 28.2 42.4

170 23.5 18.5 27.7





#46

1,1'-Biphenyl

Concen: 75.525 ng

RT: 9.345 min Scan# 11

Delta R.T. 0.000 min

Lab File: BF142795.D

Acq: 19 Jun 2025 20:40

Instrument :

BNA_F

ClientSampleId :

SSTDICC080

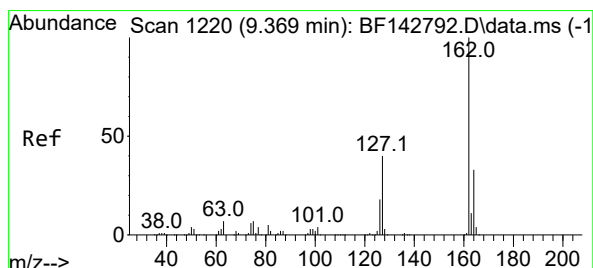
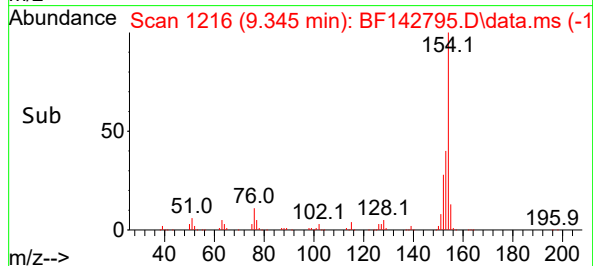
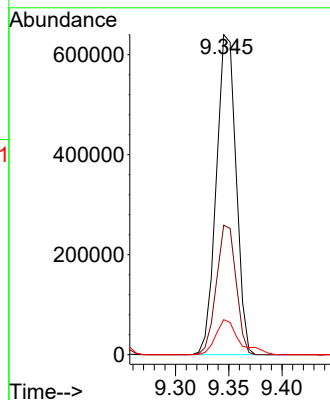
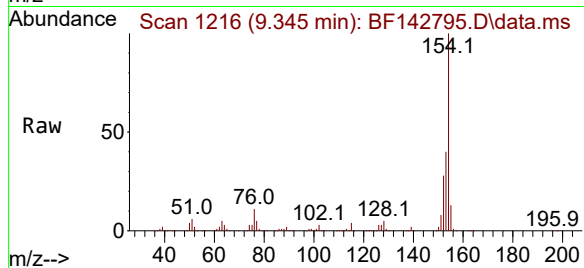
Tgt Ion:154 Resp: 822529

Ion Ratio Lower Upper

154 100

153 40.4 20.3 60.3

76 10.9 0.0 30.3



#47

2-Chloronaphthalene

Concen: 77.199 ng

RT: 9.375 min Scan# 1221

Delta R.T. 0.006 min

Lab File: BF142795.D

Acq: 19 Jun 2025 20:40

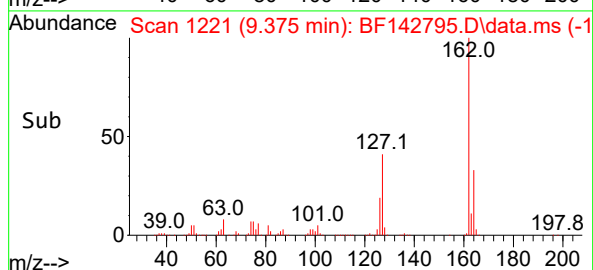
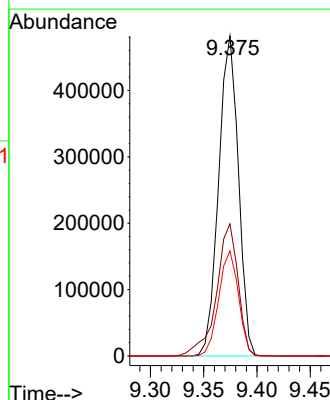
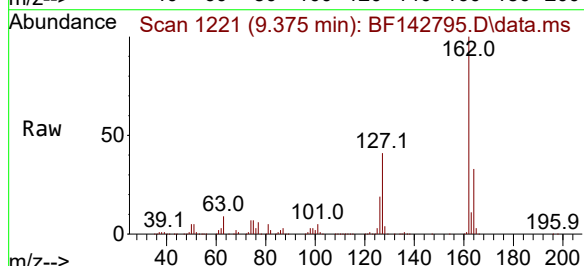
Tgt Ion:162 Resp: 620399

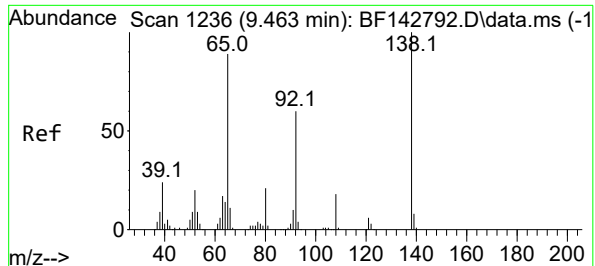
Ion Ratio Lower Upper

162 100

127 41.3 32.2 48.2

164 32.8 26.1 39.1

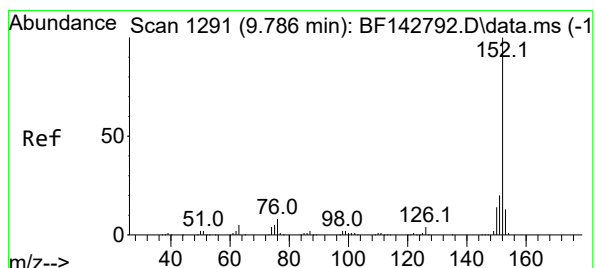
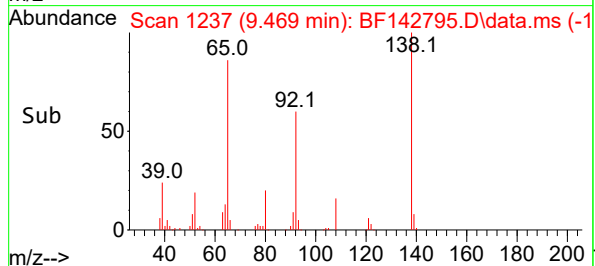
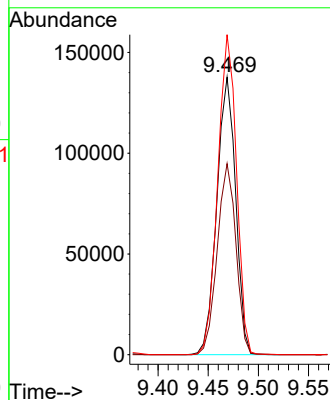
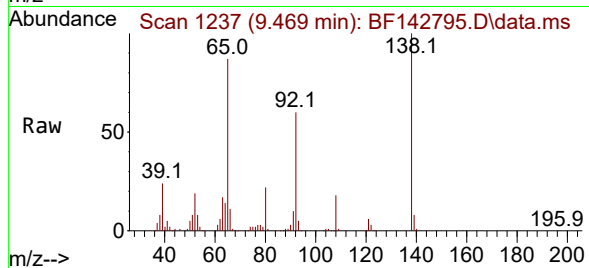




#48
2-Nitroaniline
Concen: 78.716 ng
RT: 9.469 min Scan# 1236
Delta R.T. 0.006 min
Lab File: BF142795.D
Acq: 19 Jun 2025 20:40

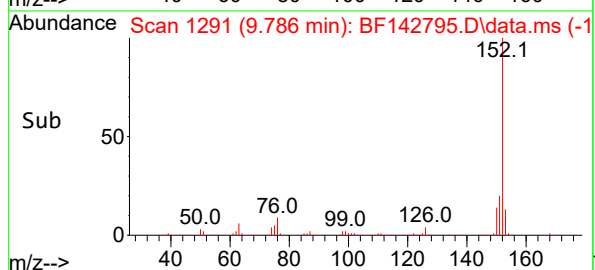
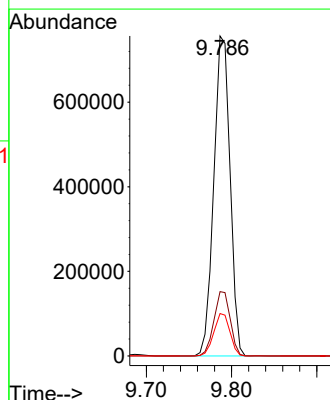
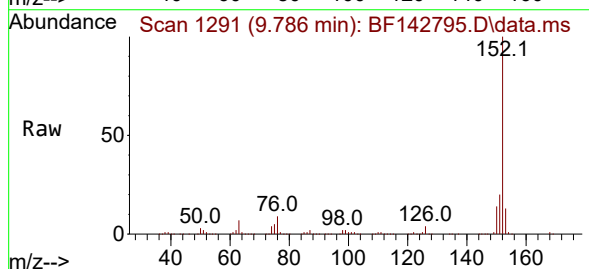
Instrument :
BNA_F
ClientSampleId :
SSTDICC080

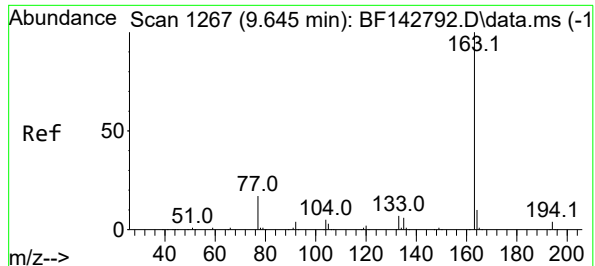
Tgt Ion: 65 Resp: 179718
Ion Ratio Lower Upper
65 100
92 68.8 53.8 80.6
138 115.3 89.6 134.4



#49
Acenaphthylene
Concen: 74.207 ng
RT: 9.786 min Scan# 1291
Delta R.T. 0.000 min
Lab File: BF142795.D
Acq: 19 Jun 2025 20:40

Tgt Ion: 152 Resp: 1002569
Ion Ratio Lower Upper
152 100
151 20.1 16.1 24.1
153 13.2 10.4 15.6





#50

Dimethylphthalate

Concen: 71.510 ng

RT: 9.651 min Scan# 1268

Delta R.T. 0.006 min

Lab File: BF142795.D

Acq: 19 Jun 2025 20:40

Instrument :

BNA_F

ClientSampleId :

SSTDICC080

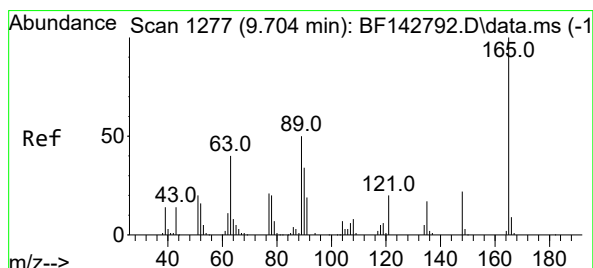
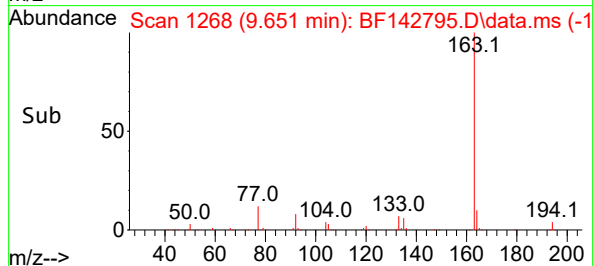
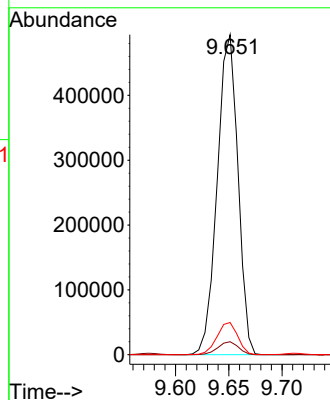
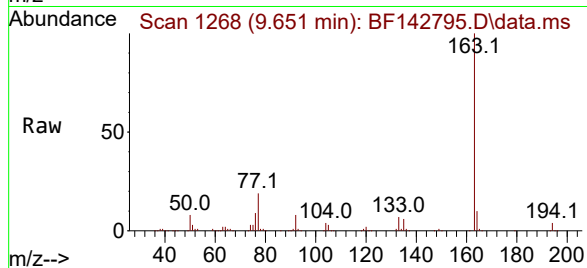
Tgt Ion:163 Resp: 665322

Ion Ratio Lower Upper

163 100

194 4.1 3.3 4.9

164 10.1 8.0 12.0



#51

2,6-Dinitrotoluene

Concen: 74.654 ng

RT: 9.710 min Scan# 1278

Delta R.T. 0.006 min

Lab File: BF142795.D

Acq: 19 Jun 2025 20:40

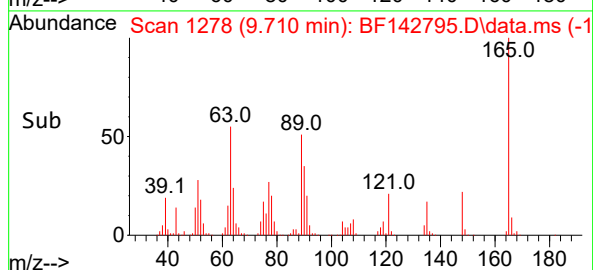
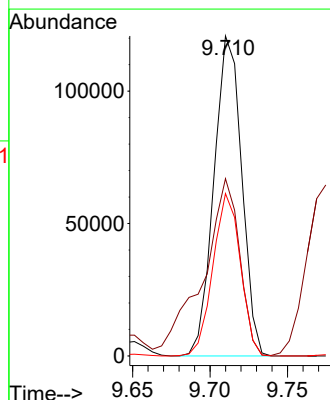
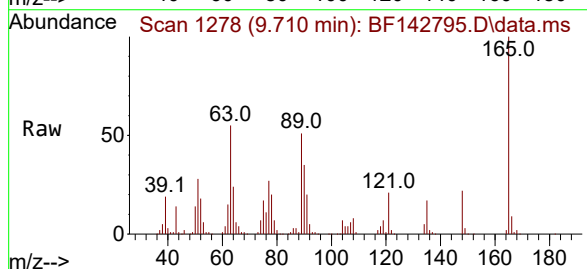
Tgt Ion:165 Resp: 150567

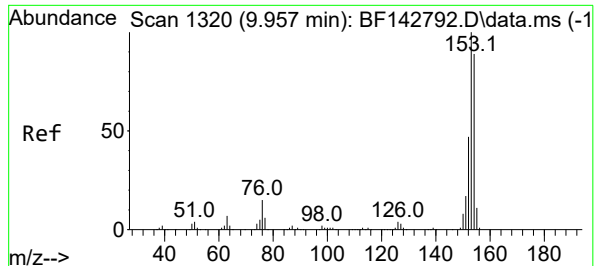
Ion Ratio Lower Upper

165 100

63 55.4 44.2 66.4

89 50.8 39.8 59.8

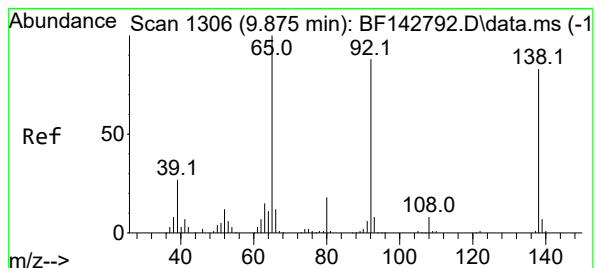
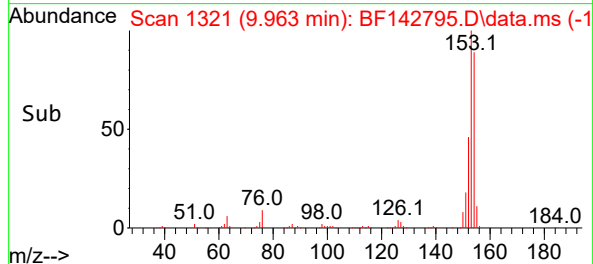
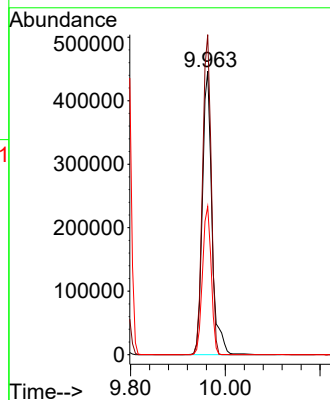
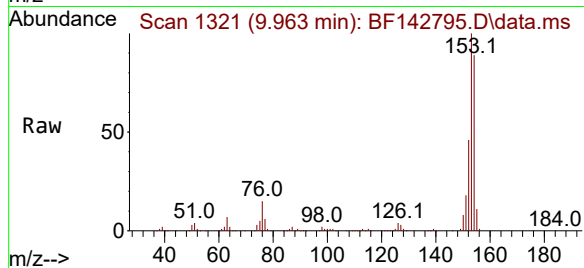




#52
Acenaphthene
Concen: 74.322 ng
RT: 9.963 min Scan# 1321
Delta R.T. 0.006 min
Lab File: BF142795.D
Acq: 19 Jun 2025 20:40

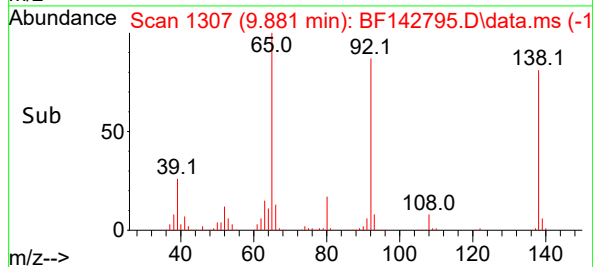
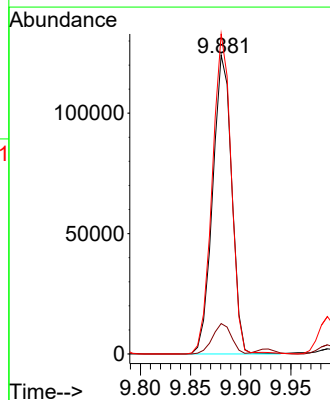
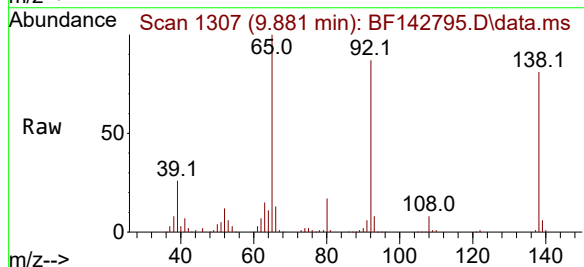
Instrument :
BNA_F
ClientSampleId :
SSTDICC080

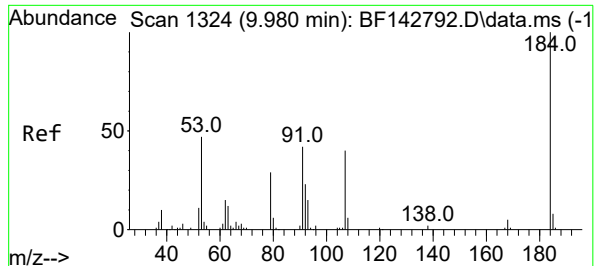
Tgt Ion:154 Resp: 621336
Ion Ratio Lower Upper
154 100
153 112.9 90.0 135.0
152 52.3 41.9 62.9



#53
3-Nitroaniline
Concen: 74.903 ng
RT: 9.881 min Scan# 1307
Delta R.T. 0.006 min
Lab File: BF142795.D
Acq: 19 Jun 2025 20:40

Tgt Ion:138 Resp: 164090
Ion Ratio Lower Upper
138 100
108 10.2 8.1 12.1
92 107.1 85.1 127.7





#54

2,4-Dinitrophenol

Concen: 78.050 ng

RT: 9.986 min Scan# 1

Delta R.T. 0.006 min

Lab File: BF142795.D

Acq: 19 Jun 2025 20:40

Instrument :

BNA_F

ClientSampleId :

SSTDICC080

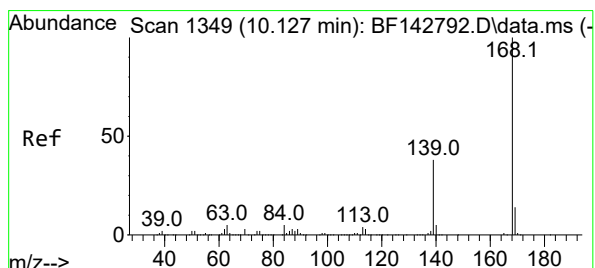
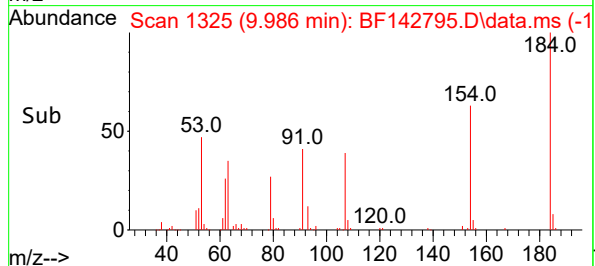
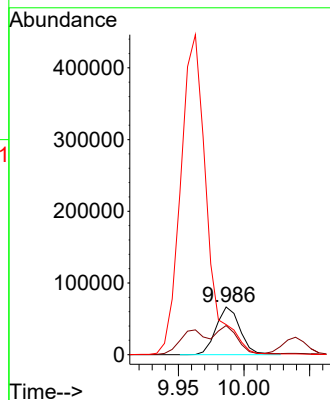
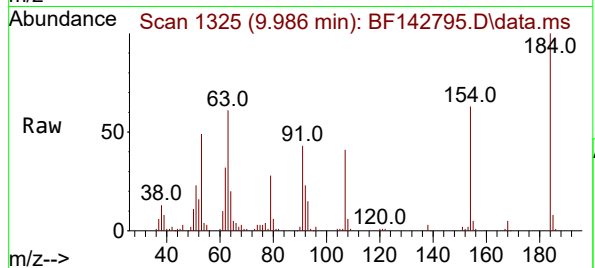
Tgt Ion:184 Resp: 85185

Ion Ratio Lower Upper

184 100

63 61.0 50.6 75.8

154 63.1 51.8 77.8



#55

Dibenzofuran

Concen: 72.277 ng

RT: 10.133 min Scan# 1350

Delta R.T. 0.006 min

Lab File: BF142795.D

Acq: 19 Jun 2025 20:40

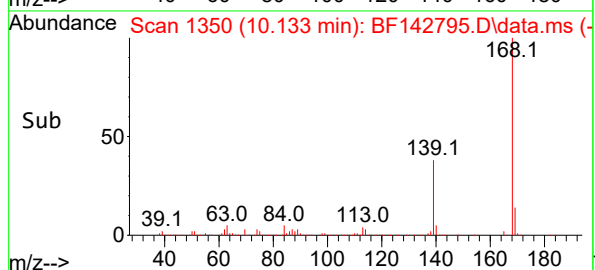
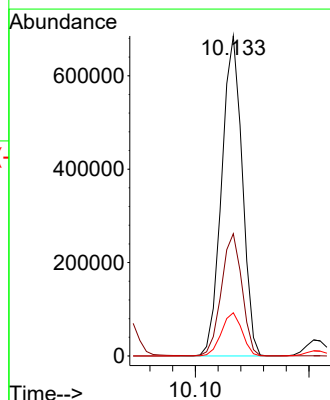
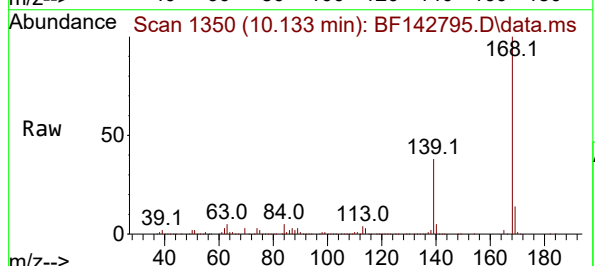
Tgt Ion:168 Resp: 862110

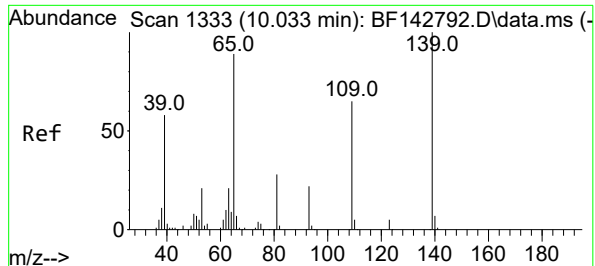
Ion Ratio Lower Upper

168 100

139 38.2 30.2 45.4

169 13.5 10.8 16.2

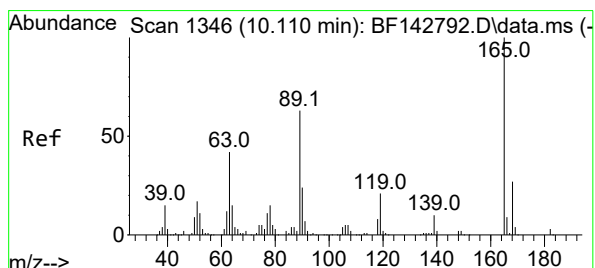
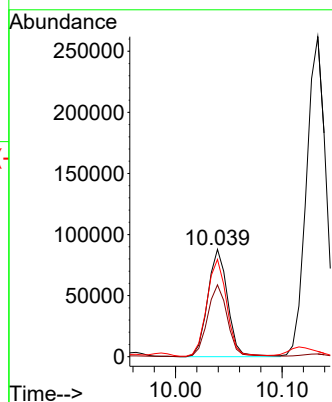
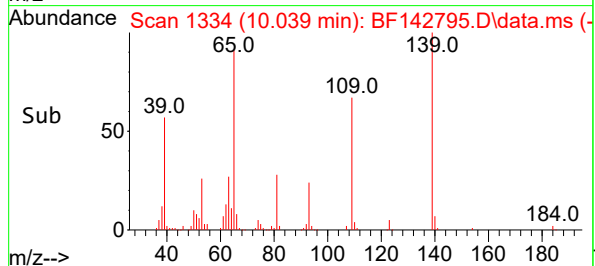
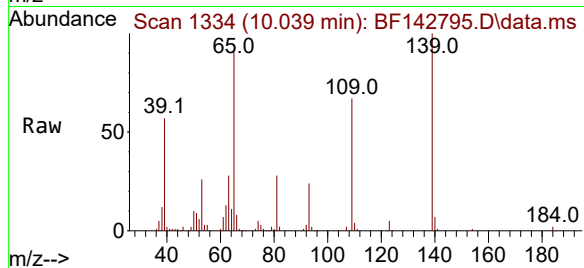




#56
4-Nitrophenol
Concen: 76.771 ng
RT: 10.039 min Scan# 11
Delta R.T. 0.006 min
Lab File: BF142795.D
Acq: 19 Jun 2025 20:40

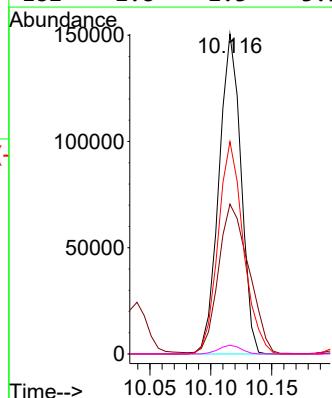
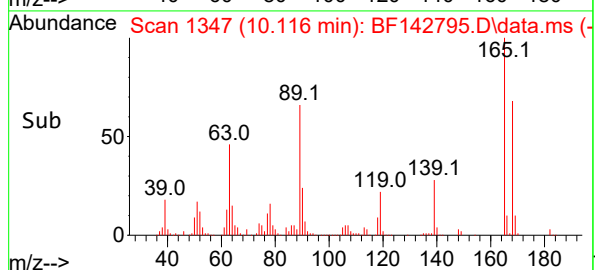
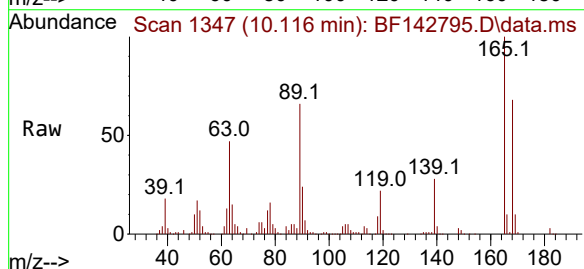
Instrument :
BNA_F
ClientSampleId :
SSTDICC080

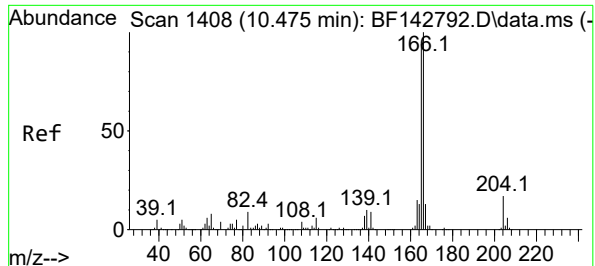
Tgt Ion:139 Resp: 114163
Ion Ratio Lower Upper
139 100
109 67.0 44.7 84.7
65 90.7 69.8 109.8



#57
2,4-Dinitrotoluene
Concen: 71.128 ng
RT: 10.116 min Scan# 1347
Delta R.T. 0.006 min
Lab File: BF142795.D
Acq: 19 Jun 2025 20:40

Tgt Ion:165 Resp: 189684
Ion Ratio Lower Upper
165 100
63 46.8 33.9 50.9
89 66.3 50.6 75.8
182 2.8 2.3 3.5

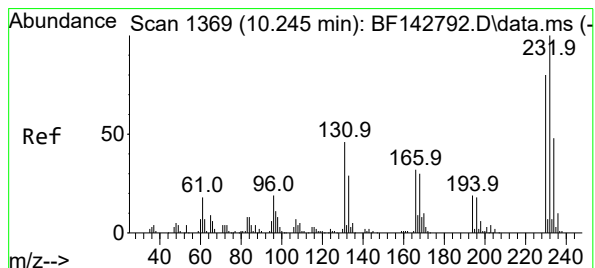
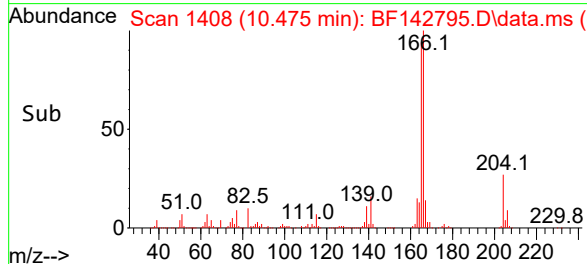
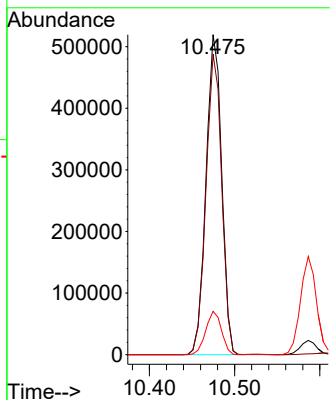
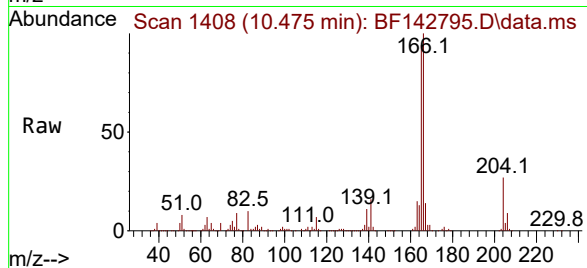




#58
Fluorene
Concen: 70.475 ng
RT: 10.475 min Scan# 1408
Delta R.T. 0.000 min
Lab File: BF142795.D
Acq: 19 Jun 2025 20:40

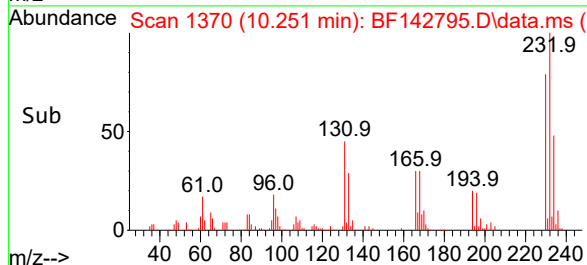
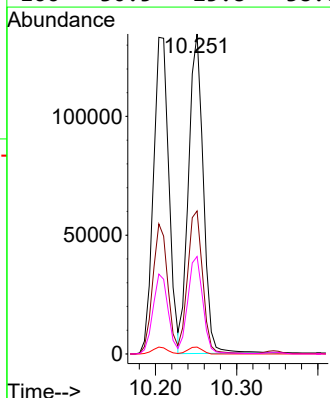
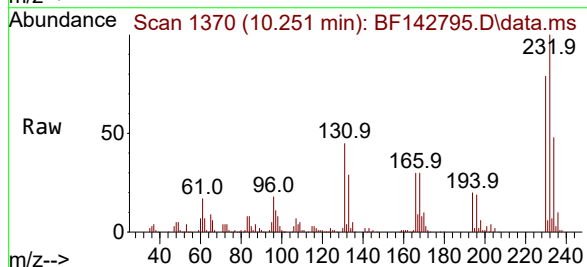
Instrument :
BNA_F
ClientSampleId :
SSTDICC080

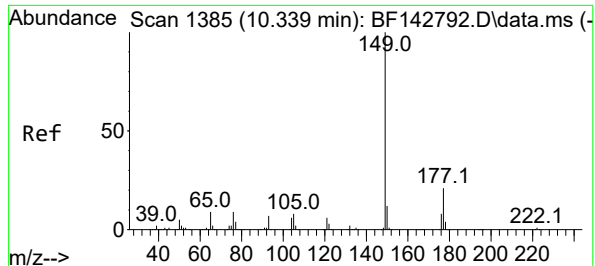
Tgt Ion:	166	Resp:	663463
Ion Ratio	Lower	Upper	
166	100		
165	93.9	75.2	112.8
167	13.5	10.6	15.8



#59
2,3,4,6-Tetrachlorophenol
Concen: 71.850 ng
RT: 10.251 min Scan# 1370
Delta R.T. 0.006 min
Lab File: BF142795.D
Acq: 19 Jun 2025 20:40

Tgt Ion:	232	Resp:	170453
Ion Ratio	Lower	Upper	
232	100		
131	45.0	37.6	56.4
130	2.1	1.7	2.5
166	30.5	25.8	38.6

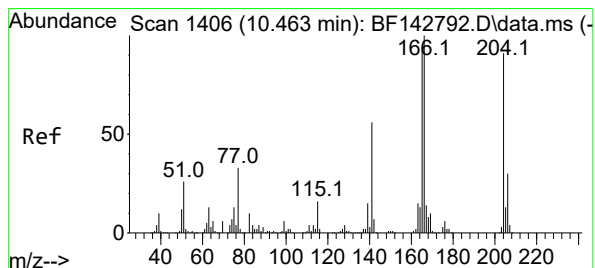
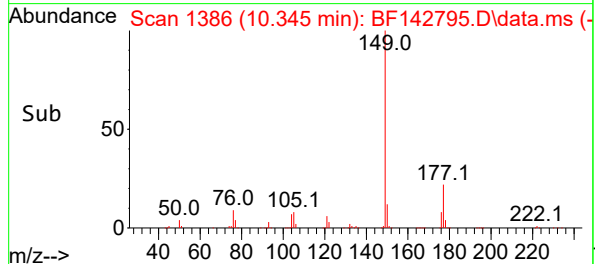
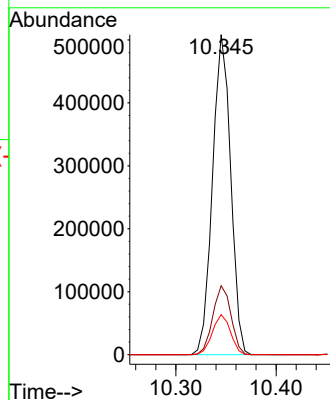
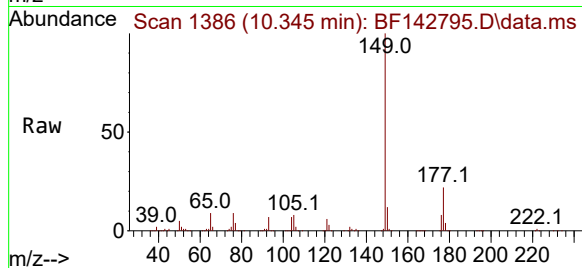




#60
Diethylphthalate
Concen: 69.265 ng
RT: 10.345 min Scan# 1386
Delta R.T. 0.006 min
Lab File: BF142795.D
Acq: 19 Jun 2025 20:40

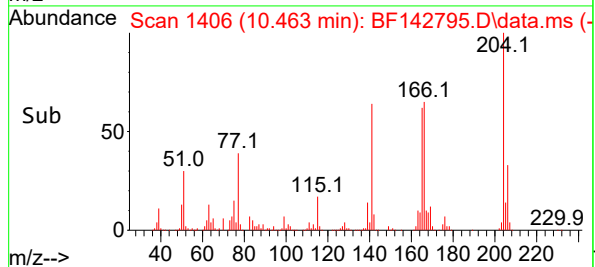
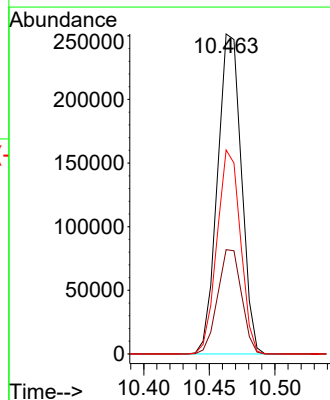
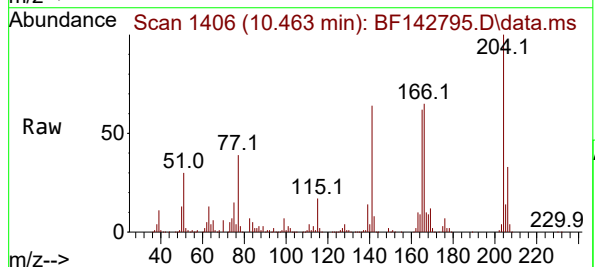
Instrument :
BNA_F
ClientSampleId :
SSTDICC080

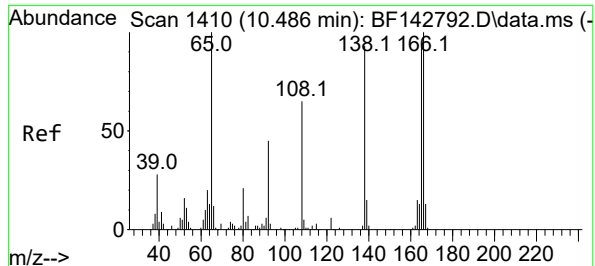
Tgt Ion:149 Resp: 640148
Ion Ratio Lower Upper
149 100
177 21.6 17.0 25.6
150 12.5 9.8 14.6



#61
4-Chlorophenyl-phenylether
Concen: 69.722 ng
RT: 10.463 min Scan# 1406
Delta R.T. 0.000 min
Lab File: BF142795.D
Acq: 19 Jun 2025 20:40

Tgt Ion:204 Resp: 318782
Ion Ratio Lower Upper
204 100
206 32.6 26.3 39.5
141 63.8 49.1 73.7

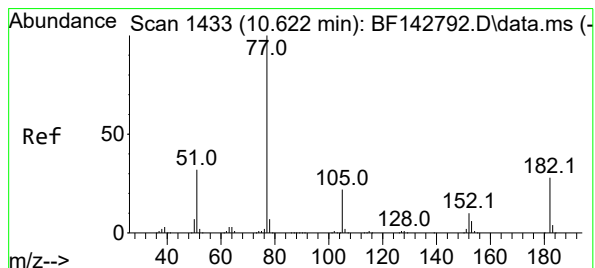
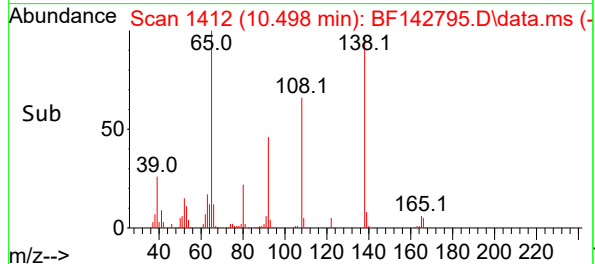
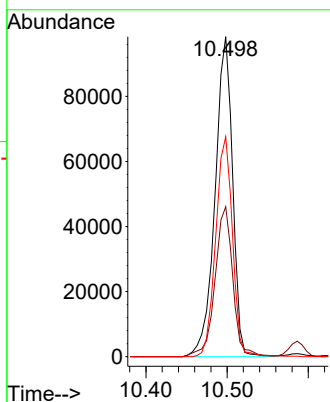
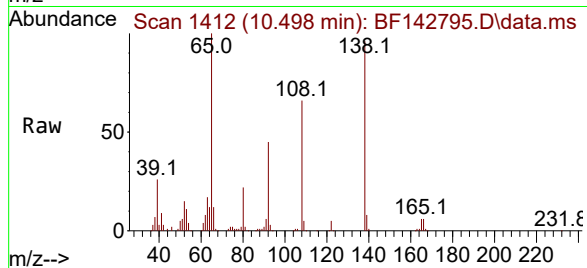




#62
4-Nitroaniline
Concen: 75.193 ng
RT: 10.498 min Scan# 1412
Delta R.T. 0.012 min
Lab File: BF142795.D
Acq: 19 Jun 2025 20:40

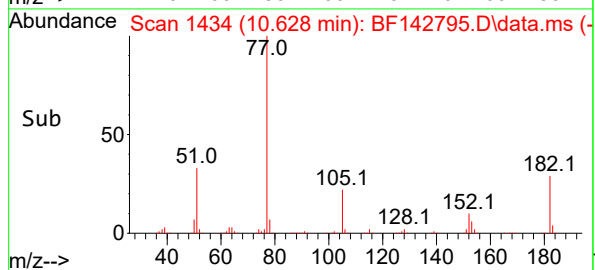
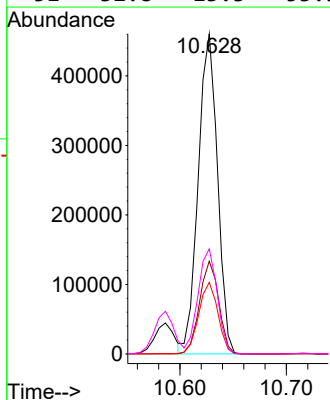
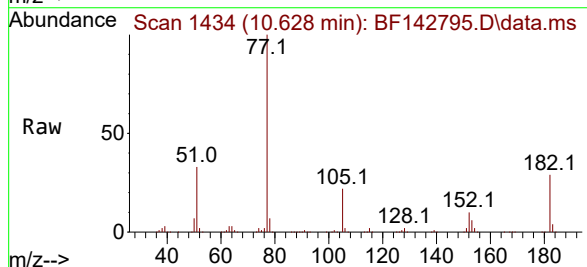
Instrument :
BNA_F
ClientSampleId :
SSTDICC080

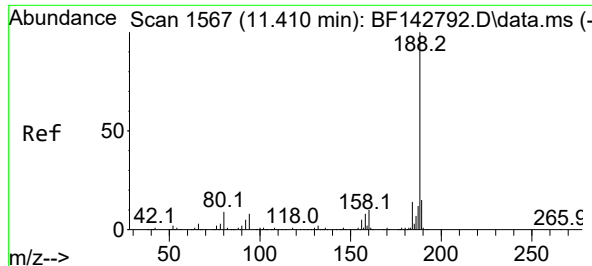
Tgt Ion:138 Resp: 147879
Ion Ratio Lower Upper
138 100
92 46.8 28.4 68.4
108 68.8 50.2 90.2



#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

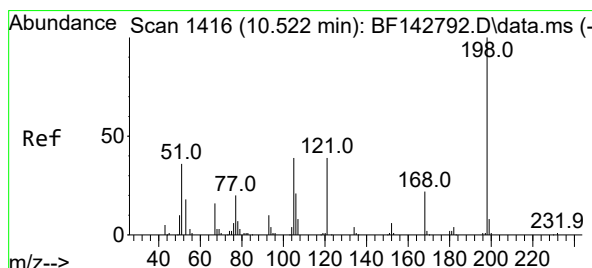
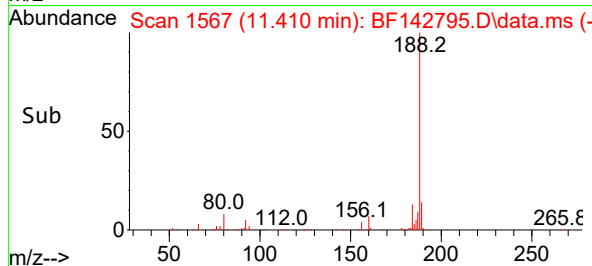
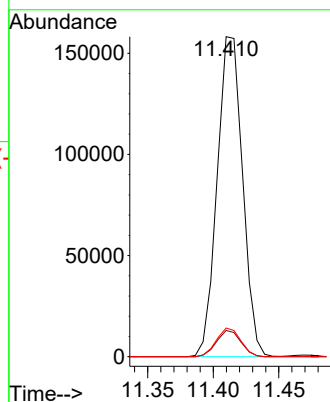
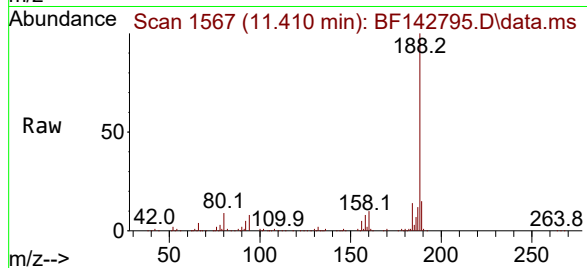




#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.410 min Scan# 11
Delta R.T. 0.000 min
Lab File: BF142795.D
Acq: 19 Jun 2025 20:40

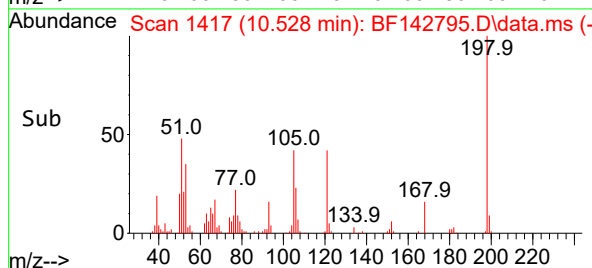
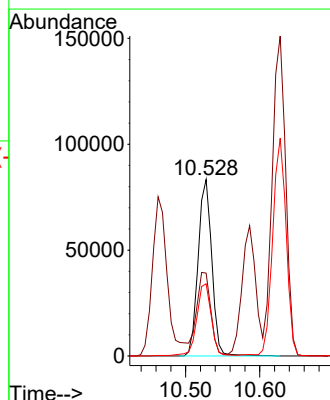
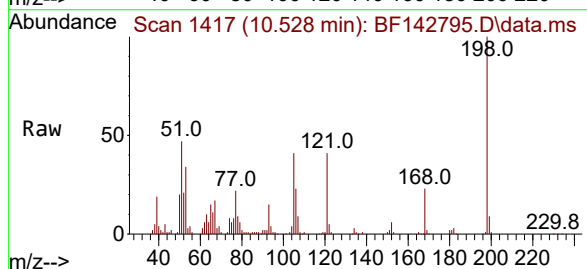
Instrument :
BNA_F
ClientSampleId :
SSTDICC080

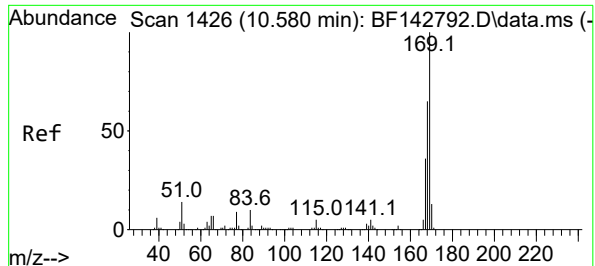
Tgt Ion	Ratio	Lower	Upper
188	100		
94	8.2	6.7	10.1
80	9.0	6.9	10.3



#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

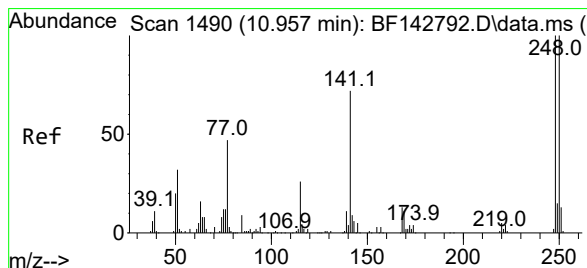
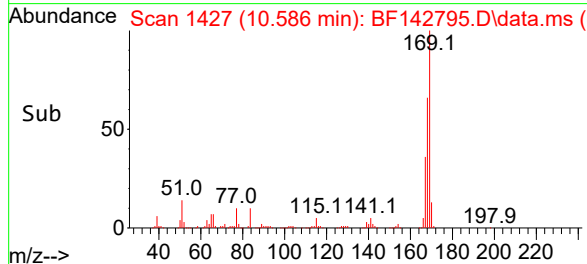
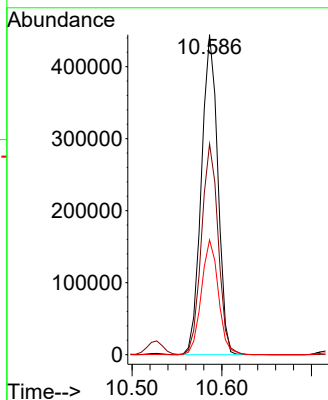
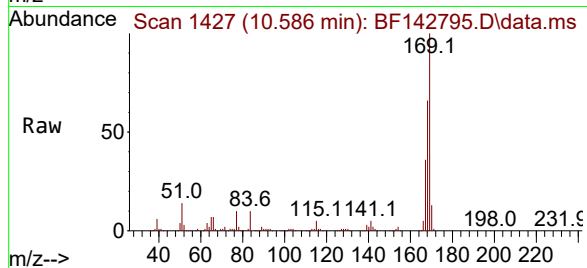




#66
n-Nitrosodiphenylamine
Concen: 77.075 ng
RT: 10.586 min Scan# 1426
Delta R.T. 0.006 min
Lab File: BF142795.D
Acq: 19 Jun 2025 20:40

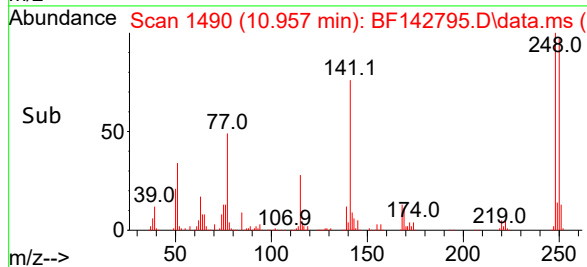
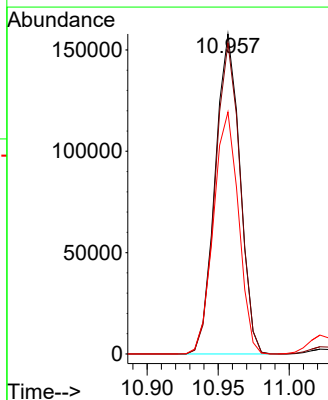
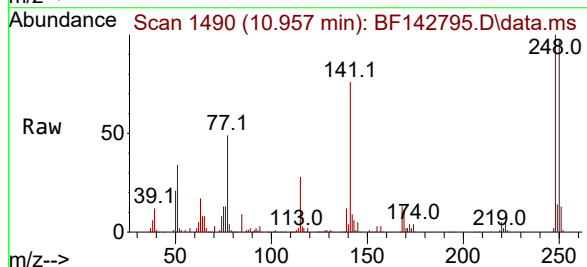
Instrument :
BNA_F
ClientSampleId :
SSTDICC080

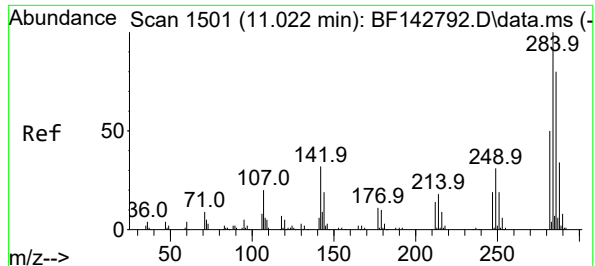
Tgt Ion:169 Resp: 564677
Ion Ratio Lower Upper
169 100
168 65.9 51.9 77.9
167 35.9 28.5 42.7



#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

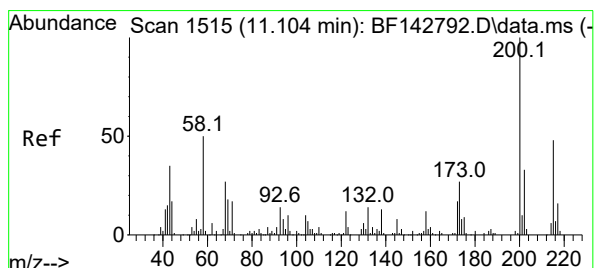
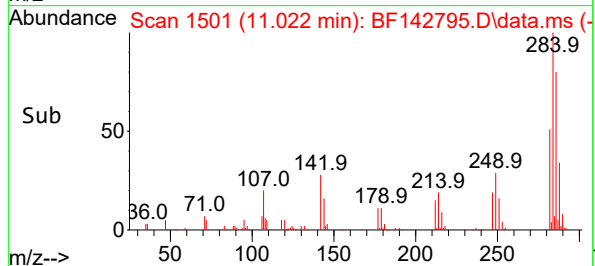
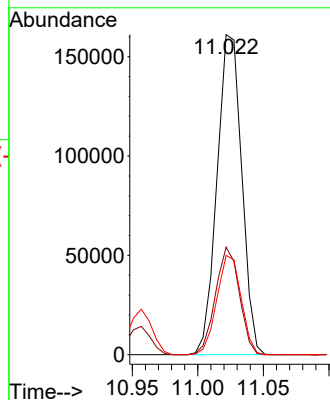
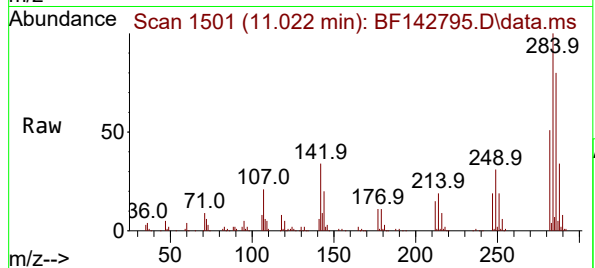




#68
Hexachlorobenzene
Concen: 76.086 ng
RT: 11.022 min Scan# 1501
Delta R.T. 0.000 min
Lab File: BF142795.D
Acq: 19 Jun 2025 20:40

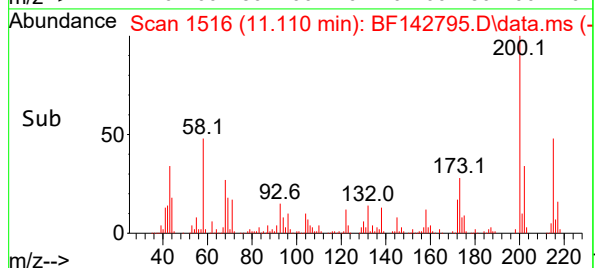
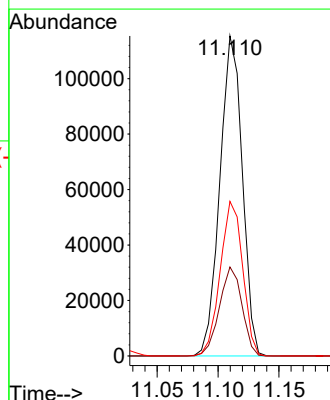
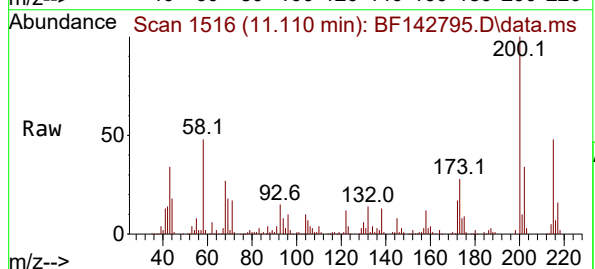
Instrument :
BNA_F
ClientSampleId :
SSTDICC080

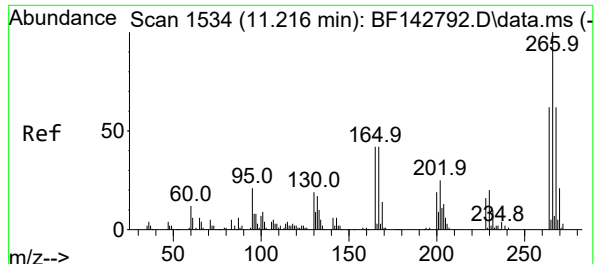
Tgt Ion:284 Resp: 210925
Ion Ratio Lower Upper
284 100
142 33.6 25.5 38.3
249 31.0 24.9 37.3



#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

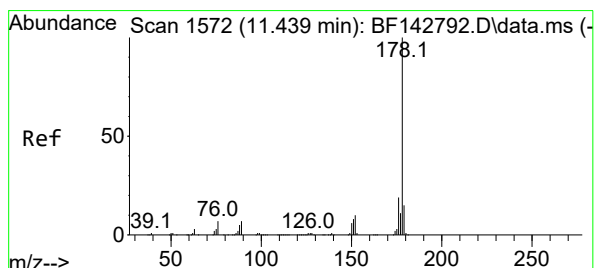
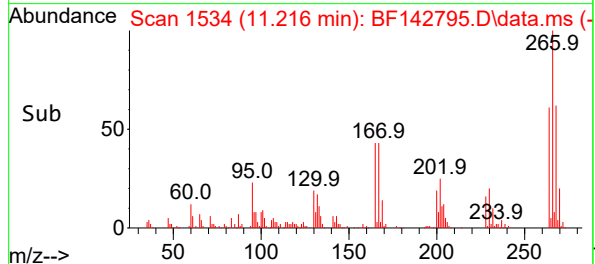
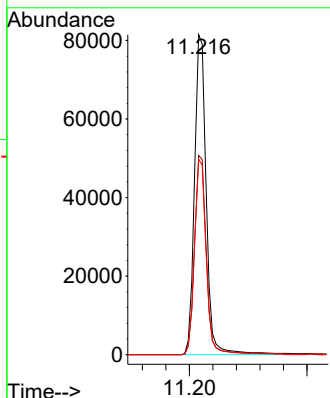
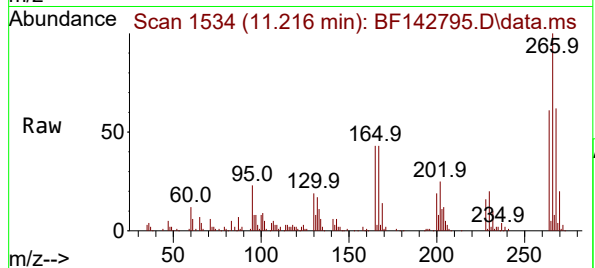




#70
Pentachlorophenol
Concen: 78.555 ng
RT: 11.216 min Scan# 1534
Delta R.T. 0.000 min
Lab File: BF142795.D
Acq: 19 Jun 2025 20:40

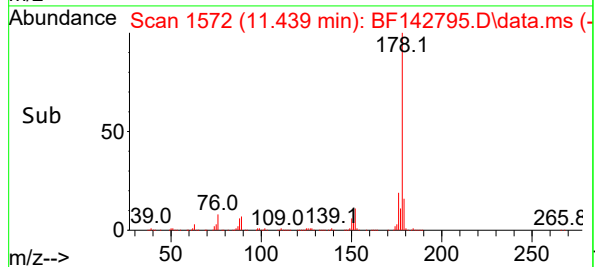
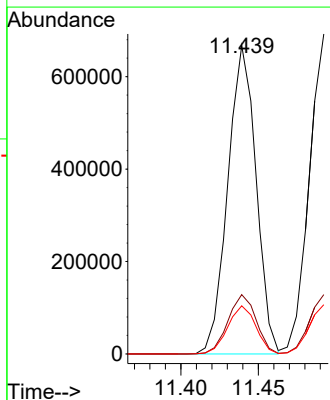
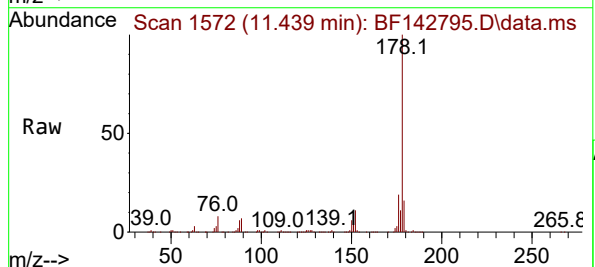
Instrument :
BNA_F
ClientSampleId :
SSTDICC080

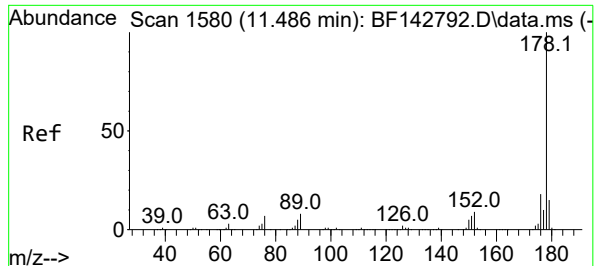
Tgt Ion:266 Resp: 113104
Ion Ratio Lower Upper
266 100
268 62.2 49.8 74.8
264 61.0 49.9 74.9



#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

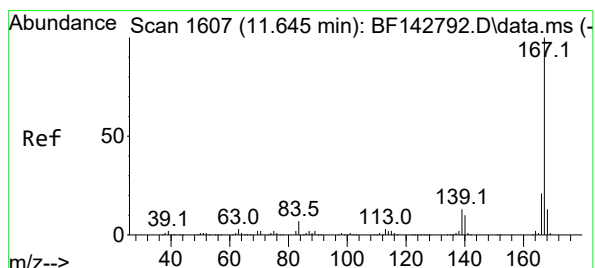
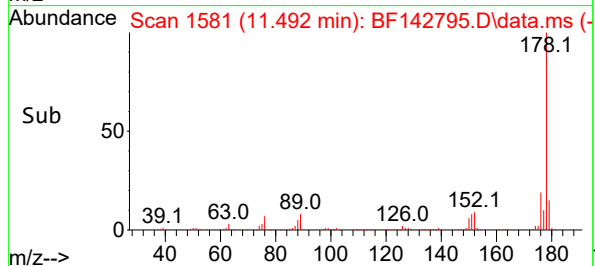
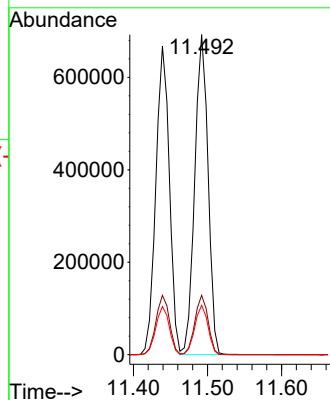
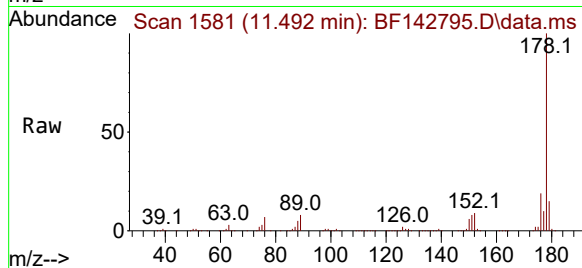




#72
Anthracene
Concen: 73.008 ng
RT: 11.492 min Scan# 1581
Delta R.T. 0.006 min
Lab File: BF142795.D
Acq: 19 Jun 2025 20:40

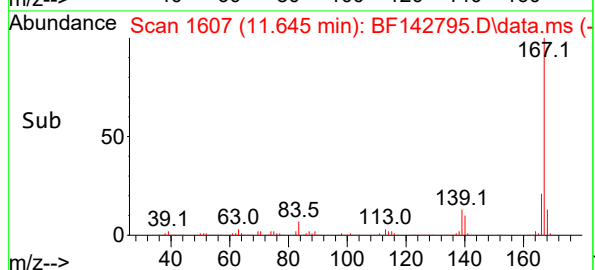
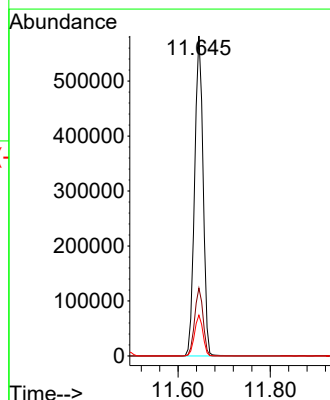
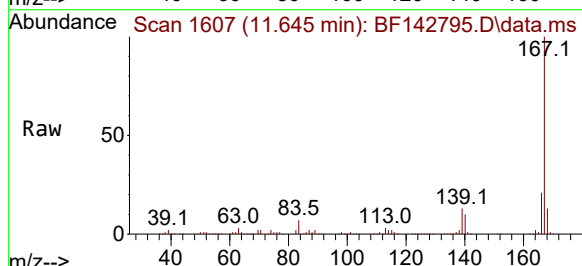
Instrument :
BNA_F
ClientSampleId :
SSTDICC080

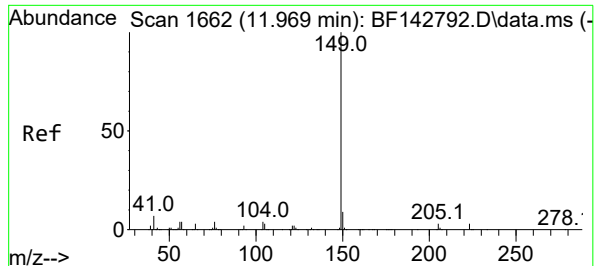
Tgt Ion:178 Resp: 862662
Ion Ratio Lower Upper
178 100
176 18.6 14.6 21.8
179 15.4 12.4 18.6



#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

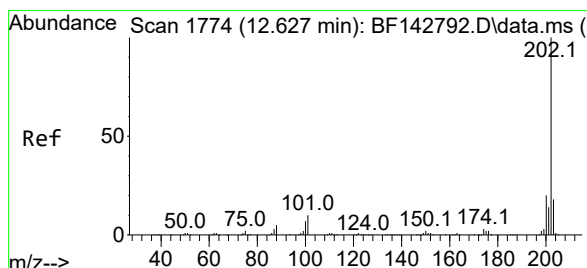
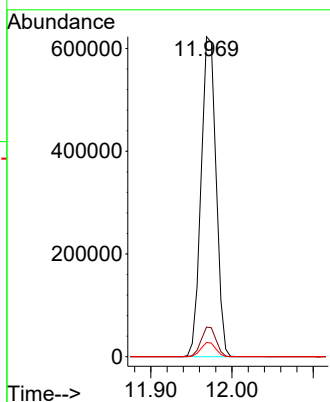
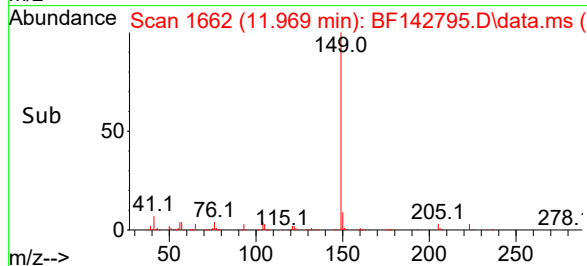
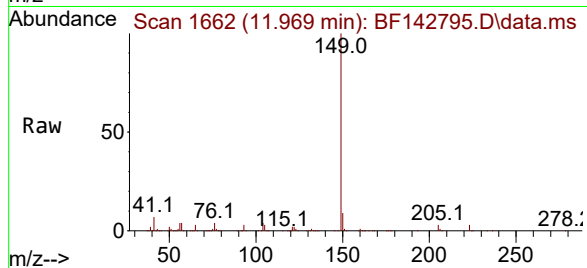




#74
Di-n-butylphthalate
Concen: 72.884 ng
RT: 11.969 min Scan# 1662
Delta R.T. 0.000 min
Lab File: BF142795.D
Acq: 19 Jun 2025 20:40

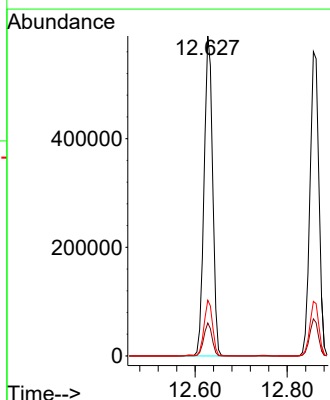
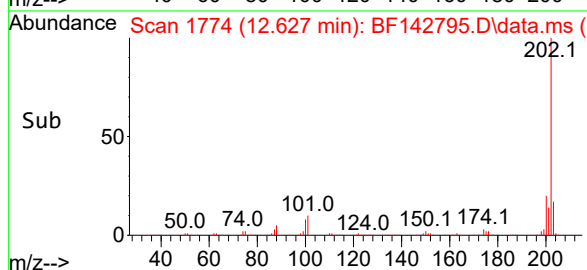
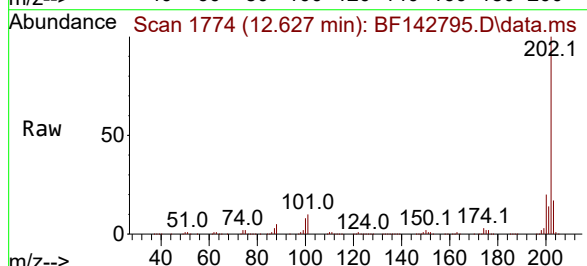
Instrument :
BNA_F
ClientSampleId :
SSTDICC080

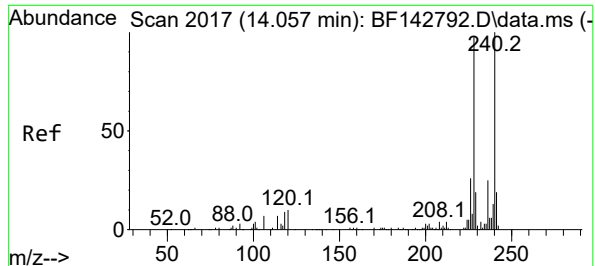
Tgt Ion:149 Resp: 798500
Ion Ratio Lower Upper
149 100
150 9.3 7.4 11.0
104 4.5 3.5 5.3



#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

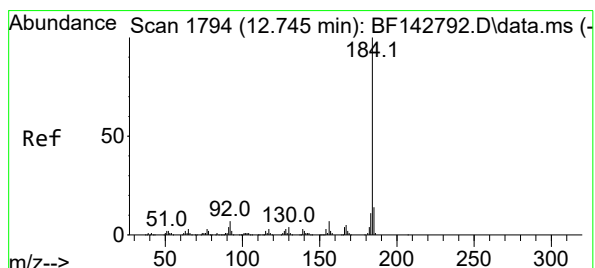
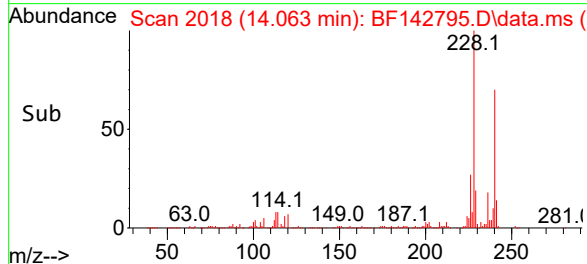
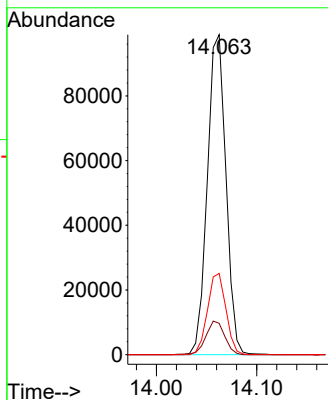
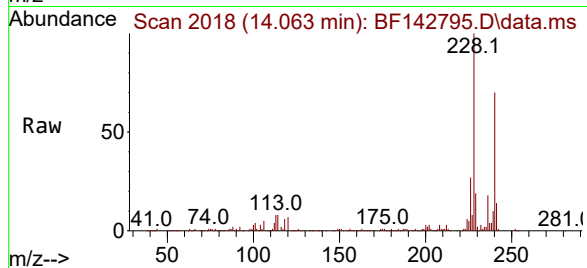




#76
Chrysene-d12
Concen: 20.000 ng
RT: 14.063 min Scan# 2017
Delta R.T. 0.006 min
Lab File: BF142795.D
Acq: 19 Jun 2025 20:40

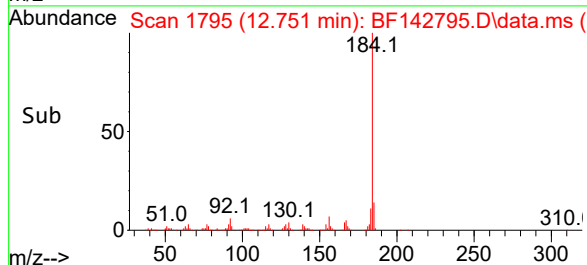
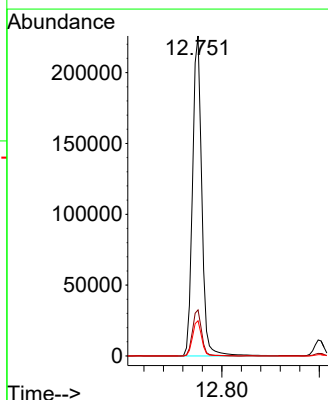
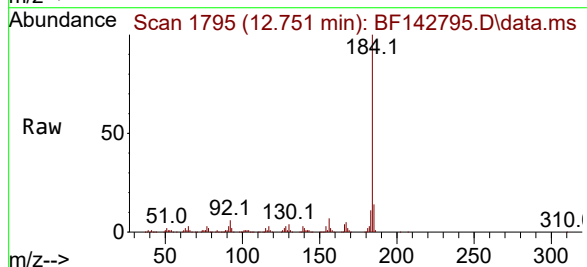
Instrument :
BNA_F
ClientSampleId :
SSTDICC080

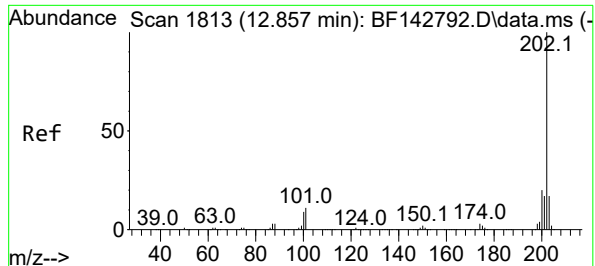
Tgt Ion:240 Resp: 127713
Ion Ratio Lower Upper
240 100
120 9.8 8.2 12.2
236 25.4 19.8 29.8



#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

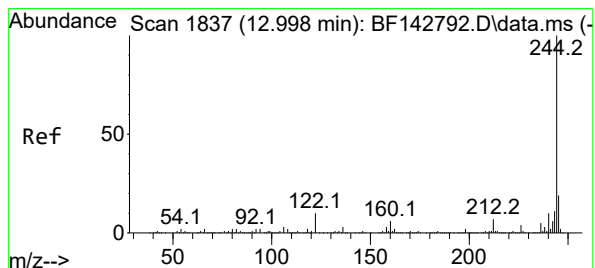
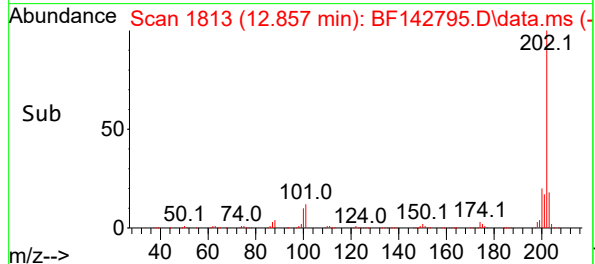
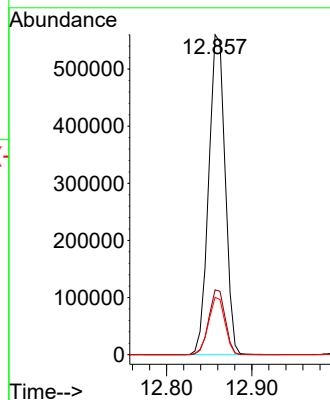
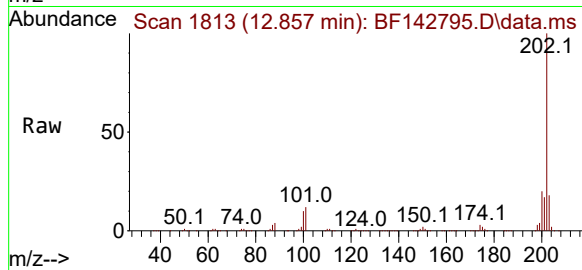




#78
Pyrene
Concen: 63.894 ng
RT: 12.857 min Scan# 1813
Delta R.T. 0.000 min
Lab File: BF142795.D
Acq: 19 Jun 2025 20:40

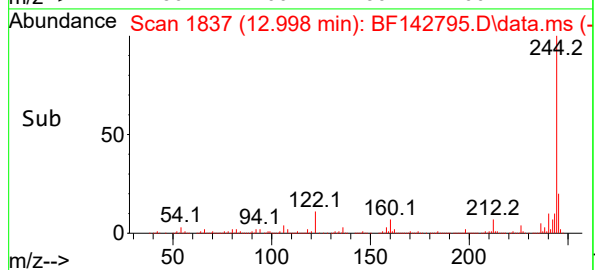
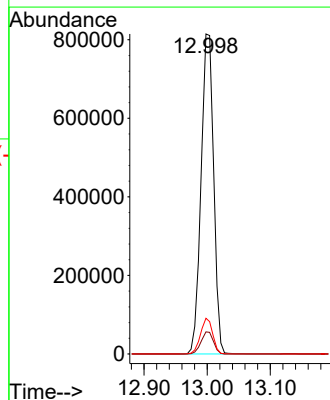
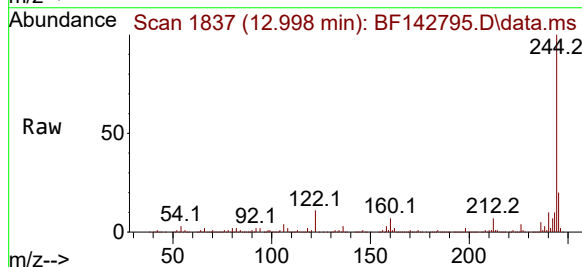
Instrument :
BNA_F
ClientSampleId :
SSTDICC080

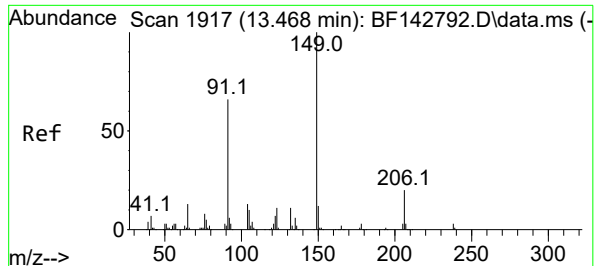
Tgt Ion:202 Resp: 750100
Ion Ratio Lower Upper
202 100
200 20.2 15.7 23.5
203 17.9 13.8 20.6



#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

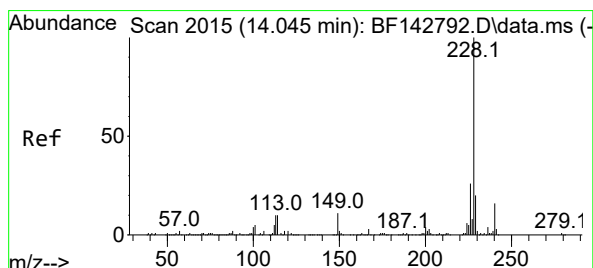
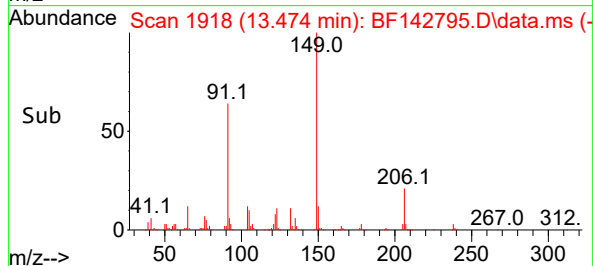
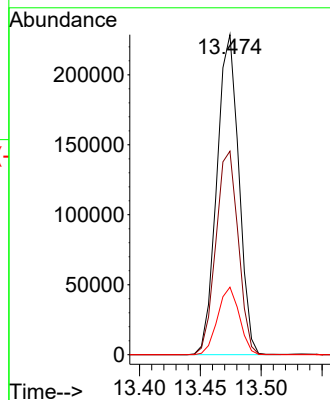
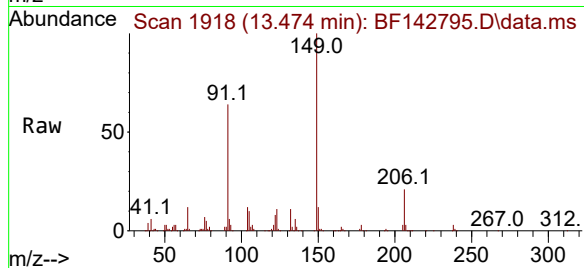
Tgt Ion:149 Resp: 287568

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

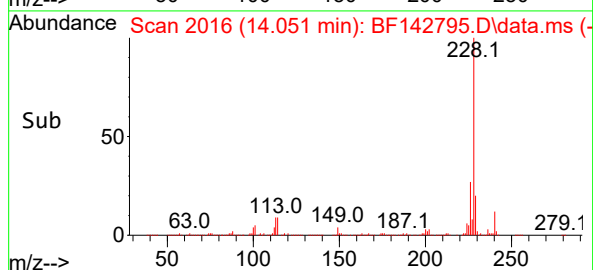
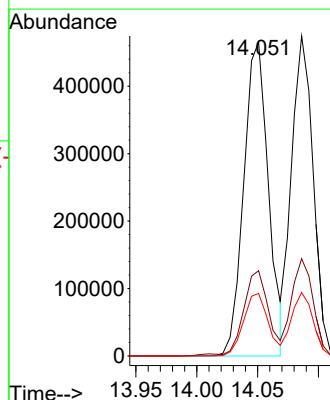
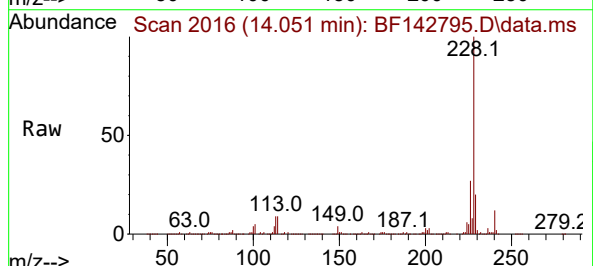
Tgt Ion:228 Resp: 655753

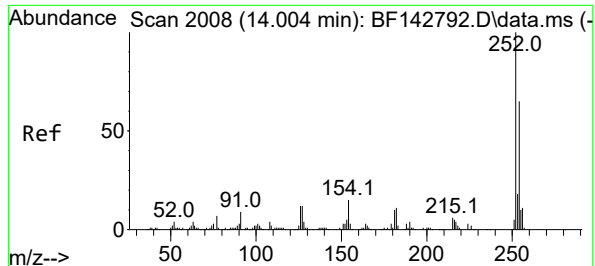
Ion Ratio Lower Upper

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

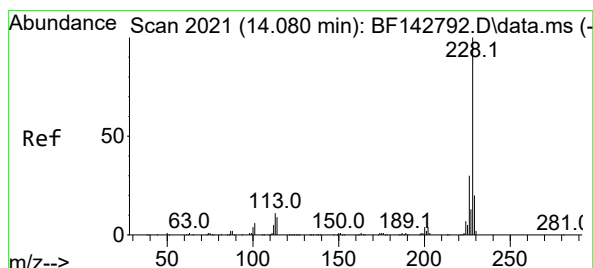
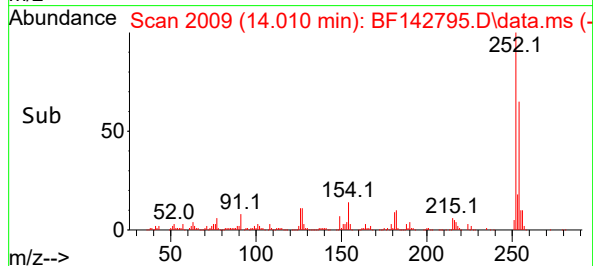
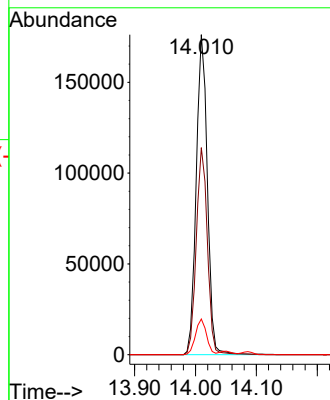
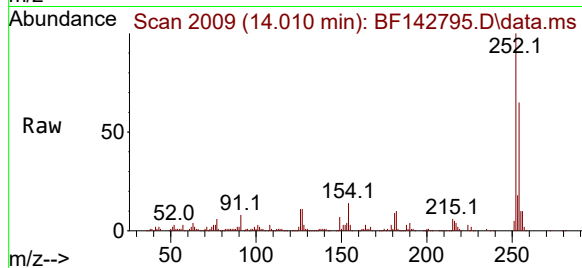
Tgt Ion:252 Resp: 223571

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

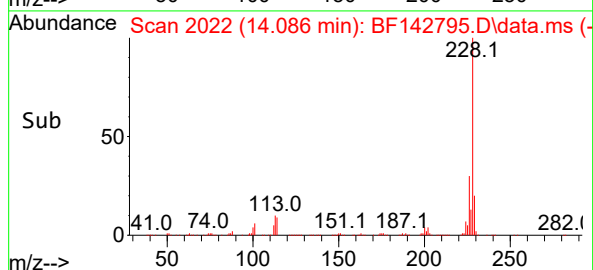
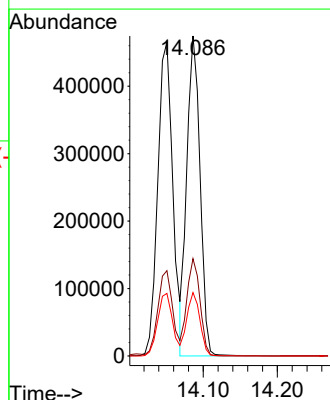
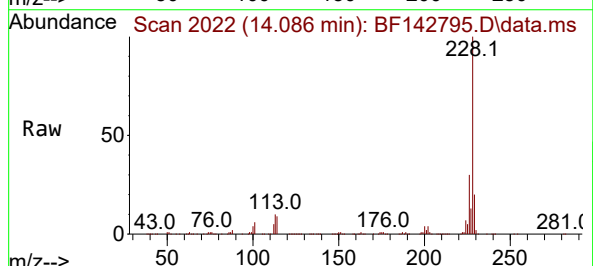
Tgt Ion:228 Resp: 587658

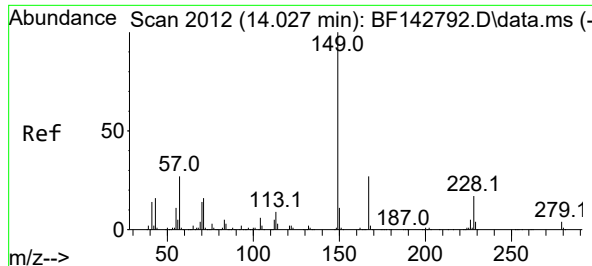
Ion Ratio Lower Upper

228 100

226 30.4 23.7 35.5

229 19.8 15.7 23.5

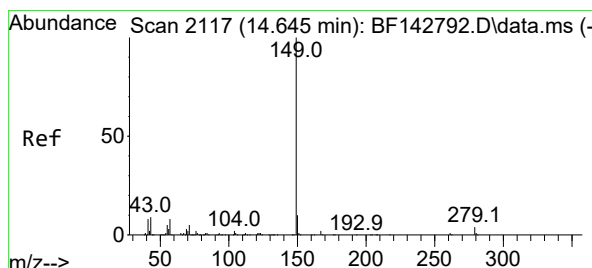
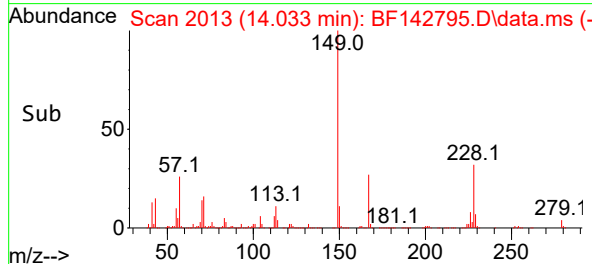
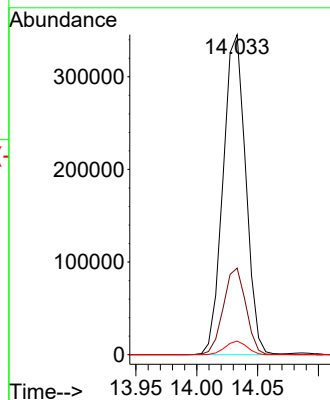
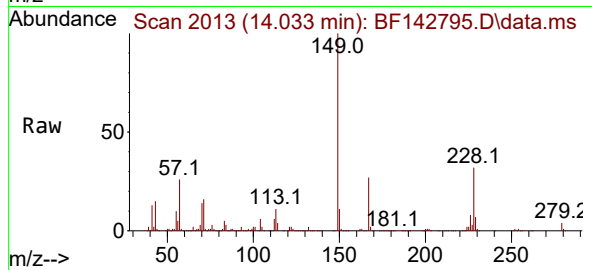




#84
Bis(2-ethylhexyl)phthalate
Concen: 86.499 ng
RT: 14.033 min Scan# 2012
Delta R.T. 0.006 min
Lab File: BF142795.D
Acq: 19 Jun 2025 20:40

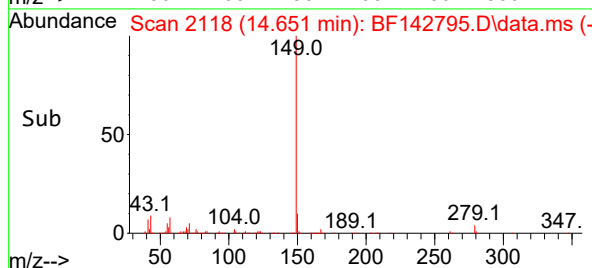
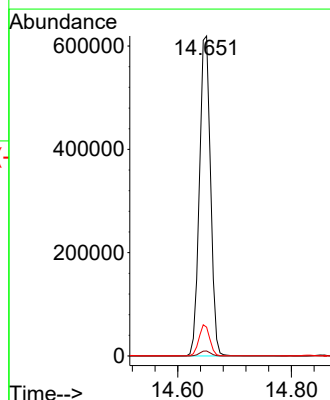
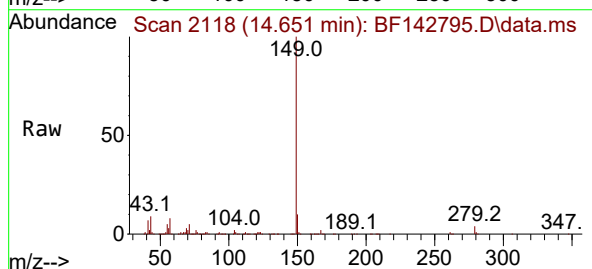
Instrument :
BNA_F
ClientSampleId :
SSTDICC080

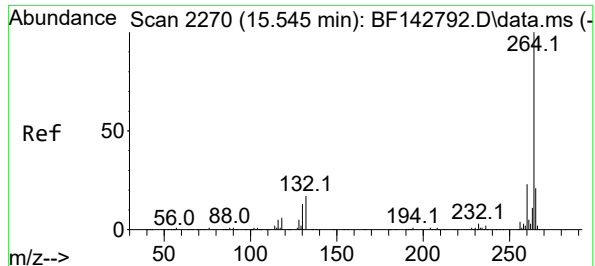
Tgt Ion:149 Resp: 448387
Ion Ratio Lower Upper
149 100
167 27.0 21.4 32.0
279 4.3 3.0 4.6



#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

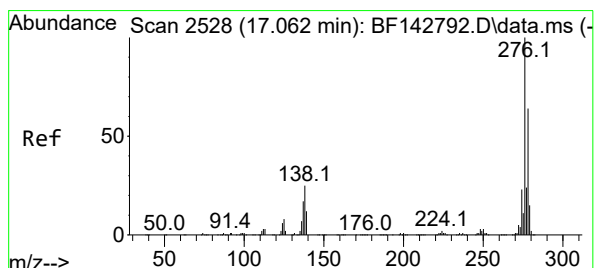
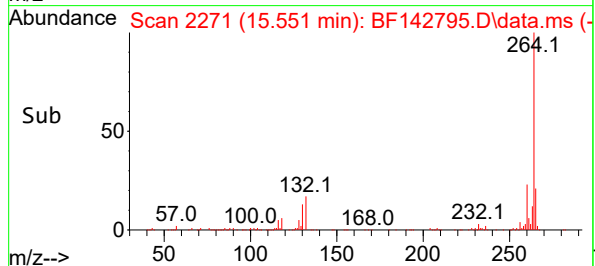
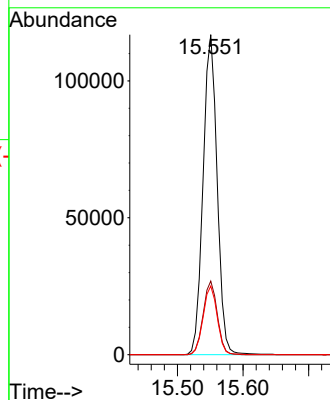
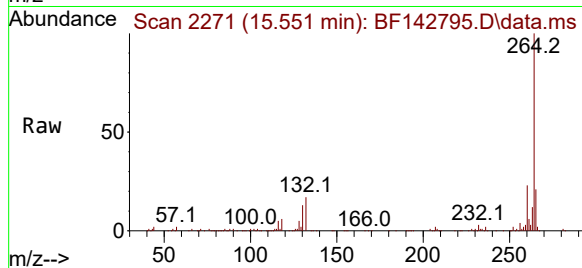




#86
Perylene-d12
Concen: 20.000 ng
RT: 15.551 min Scan# 21
Delta R.T. 0.006 min
Lab File: BF142795.D
Acq: 19 Jun 2025 20:40

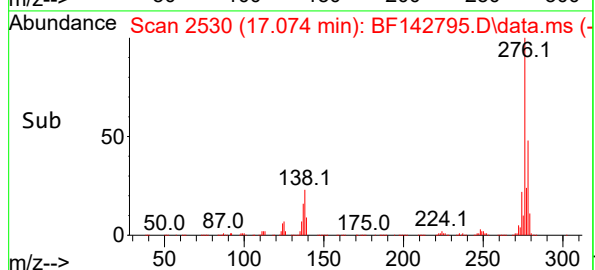
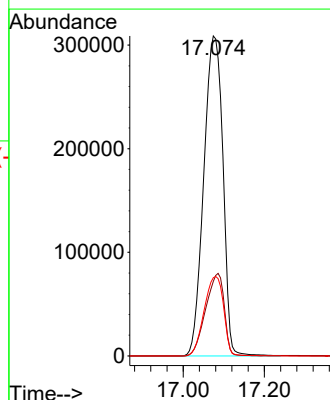
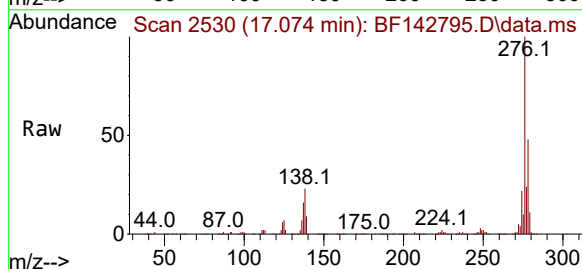
Instrument :
BNA_F
ClientSampleId :
SSTDICC080

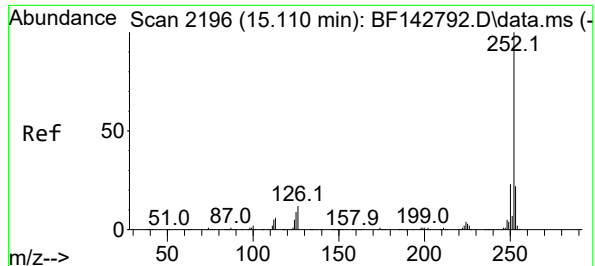
Tgt Ion:264 Resp: 175125
Ion Ratio Lower Upper
264 100
260 23.0 18.1 27.1
265 21.5 16.6 25.0



#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

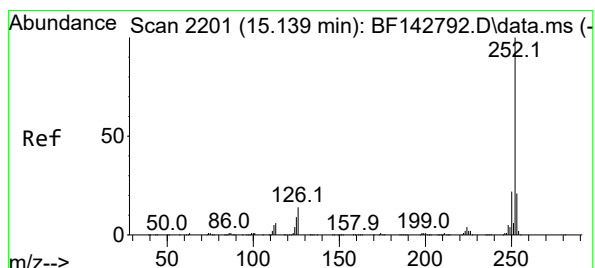
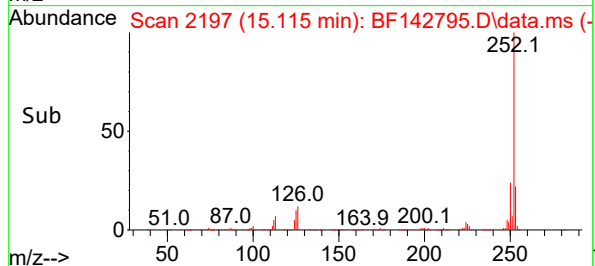
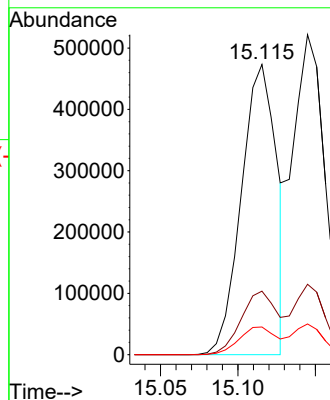
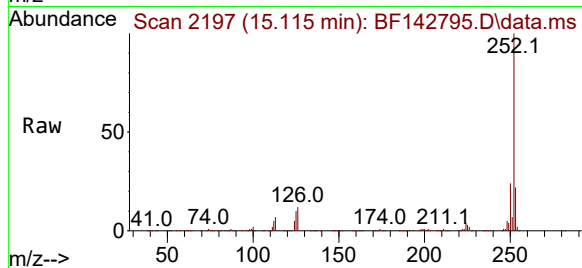
Tgt Ion:252 Resp: 749341

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

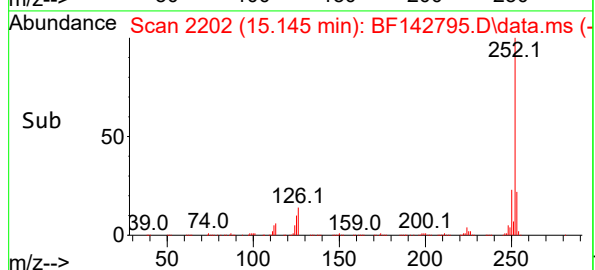
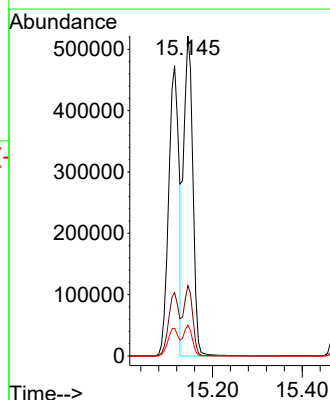
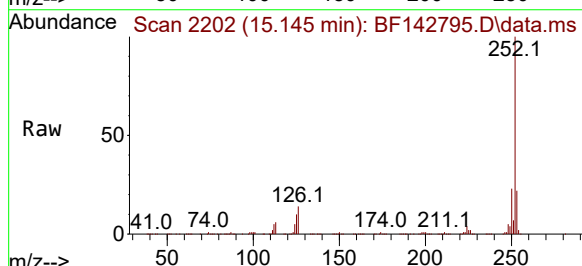
Tgt Ion:252 Resp: 747789

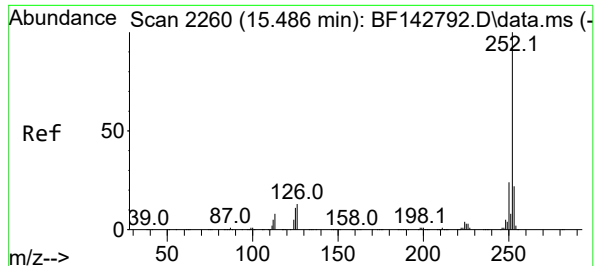
Ion Ratio Lower Upper

252 100

253 22.0 17.2 25.8

125 9.6 7.4 11.2

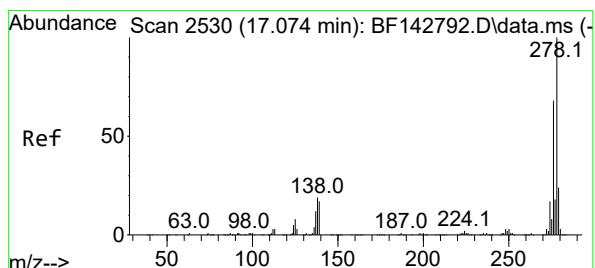
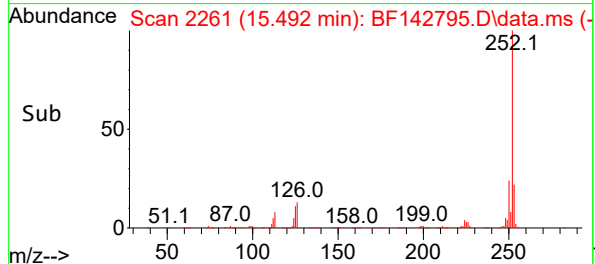
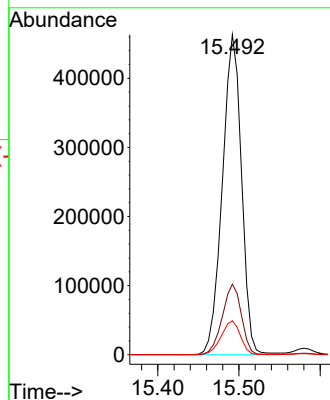
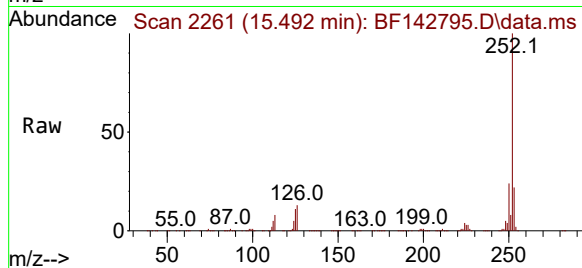




#90
Benzo(a)pyrene
Concen: 77.813 ng
RT: 15.492 min Scan# 21
Delta R.T. 0.006 min
Lab File: BF142795.D
Acq: 19 Jun 2025 20:40

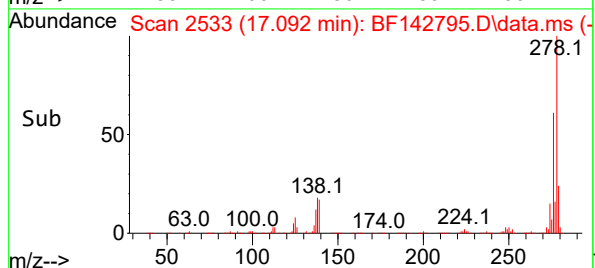
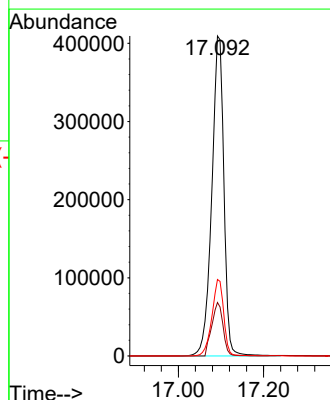
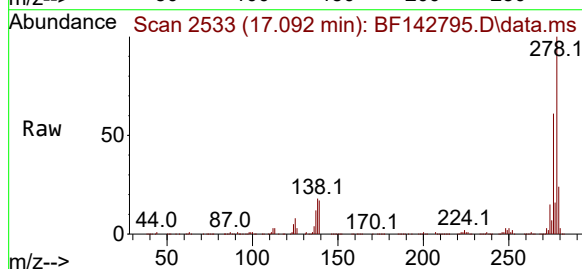
Instrument :
BNA_F
ClientSampleId :
SSTDICC080

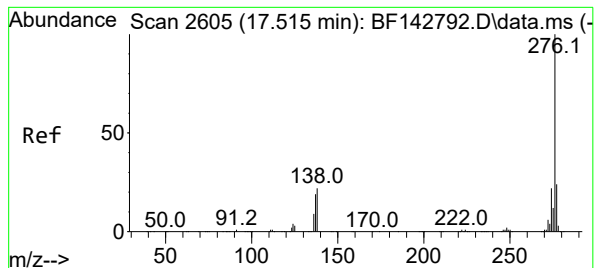
Tgt Ion:252 Resp: 759483
Ion Ratio Lower Upper
252 100
253 22.1 17.5 26.3
125 10.6 8.6 12.8



#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

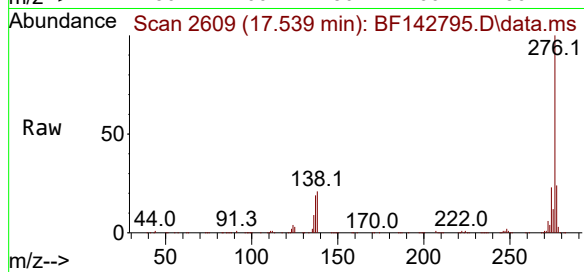
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Instrument :

BNA_F

ClientSampleId :

SSTDICC080



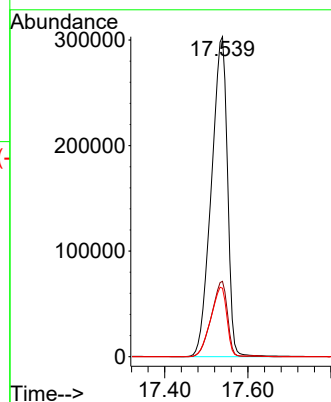
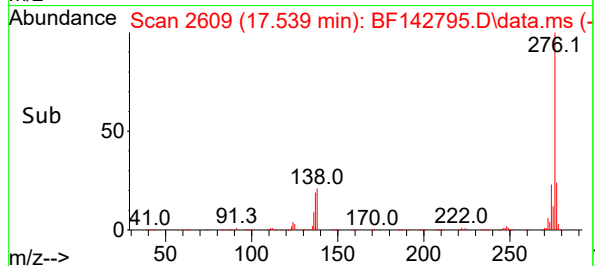
Tgt Ion:276 Resp: 813177

Ion Ratio Lower Upper

276 100

277 23.6 18.8 28.2

138 21.4 17.6 26.4



Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF061925\
 Data File : BF142796.D
 Acq On : 19 Jun 2025 21:10
 Operator : RC/JU
 Sample : SSTDICV040
 Misc :
 ALS Vial : 10 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 ICVBF061925

Quant Time: Jun 24 15:59:56 2025
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF061925.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Tue Jun 24 05:28:21 2025
 Response via : Initial Calibration

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

Internal Standards						
1) 1,4-Dichlorobenzene-d4	6.881	152	74183	20.000	ng	0.00
21) Naphthalene-d8	8.163	136	279139	20.000	ng	0.00
39) Acenaphthene-d10	9.922	164	142968	20.000	ng	0.00
64) Phenanthrene-d10	11.410	188	228099	20.000	ng	0.00
76) Chrysene-d12	14.057	240	122573	20.000	ng	0.00
86) Perylene-d12	15.545	264	153363	20.000	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.493	112	361762	81.192	ng	0.00
7) Phenol-d6	6.510	99	421918	80.262	ng	0.00
23) Nitrobenzene-d5	7.445	82	373199	73.334	ng	0.00
42) 2,4,6-Tribromophenol	10.716	330	117795	80.065	ng	0.00
45) 2-Fluorobiphenyl	9.239	172	785440	72.171	ng	0.00
79) Terphenyl-d14	12.998	244	628420	70.839	ng	0.00
Target Compounds						
						Qvalue
2) 1,4-Dioxane	2.634	88	70139	39.357	ng	100
3) Pyridine	3.404	79	185173	41.446	ng	99
4) n-Nitrosodimethylamine	3.357	42	96831	41.912	ng	99
6) Aniline	6.545	93	296519	42.392	ng	99
8) 2-Chlorophenol	6.663	128	202041	42.036	ng	100
9) Benzaldehyde	6.434	77	148174	47.511	ng	99
10) Phenol	6.522	94	244839	41.901	ng	99
11) bis(2-Chloroethyl)ether	6.616	93	176058	42.157	ng	99
12) 1,3-Dichlorobenzene	6.822	146	228820	42.568	ng	99
13) 1,4-Dichlorobenzene	6.898	146	229234	42.268	ng	99
14) 1,2-Dichlorobenzene	7.051	146	218720	42.520	ng	99
15) Benzyl Alcohol	7.022	79	160044	42.114	ng	100
16) 2,2'-oxybis(1-Chloropr...	7.157	45	284352	42.379	ng	100
17) 2-Methylphenol	7.134	107	154746	42.485	ng	98
18) Hexachloroethane	7.392	117	80788	42.589	ng	97
19) n-Nitroso-di-n-propyla...	7.292	70	127308	41.640	ng	99
20) 3+4-Methylphenols	7.287	107	194841	42.904	ng	98
22) Acetophenone	7.292	105	261474	42.478	ng	99
24) Nitrobenzene	7.463	77	193310	41.968	ng	99
25) Isophorone	7.704	82	338001	41.403	ng	99
26) 2-Nitrophenol	7.781	139	108455	43.224	ng	100
27) 2,4-Dimethylphenol	7.816	122	183273	42.168	ng	99
28) bis(2-Chloroethoxy)met...	7.910	93	217774	41.960	ng	99
29) 2,4-Dichlorophenol	8.022	162	166286	42.196	ng	99
30) 1,2,4-Trichlorobenzene	8.104	180	182768	42.177	ng	100
31) Naphthalene	8.187	128	576847	42.218	ng	100
32) Benzoic acid	7.922	122	101203	45.685	ng	95
33) 4-Chloroaniline	8.234	127	232045	41.766	ng	98
34) Hexachlorobutadiene	8.304	225	113068	42.657	ng	99
35) Caprolactam	8.604	113	42561	40.928	ng	98
36) 4-Chloro-3-methylphenol	8.716	107	164064	41.890	ng	99
37) 2-Methylnaphthalene	8.881	142	353484	41.730	ng	100
38) 1-Methylnaphthalene	8.981	142	364378	41.554	ng	100
40) 1,2,4,5-Tetrachloroben...	9.045	216	182379	43.233	ng	99
41) Hexachlorocyclopentadiene	9.034	237	108592	45.361	ng	97
43) 2,4,6-Trichlorophenol	9.157	196	116946	42.543	ng	98

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF061925\
 Data File : BF142796.D
 Acq On : 19 Jun 2025 21:10
 Operator : RC/JU
 Sample : SSTDICV040
 Misc :
 ALS Vial : 10 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 ICVBF061925

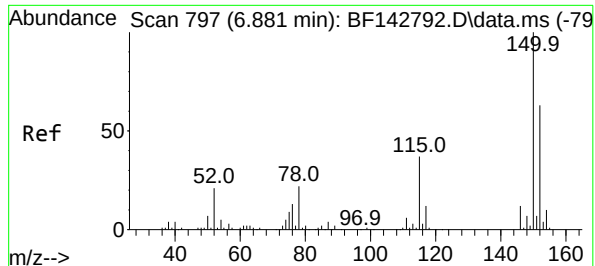
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 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Tue Jun 24 05:28:21 2025
 Response via : Initial Calibration

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

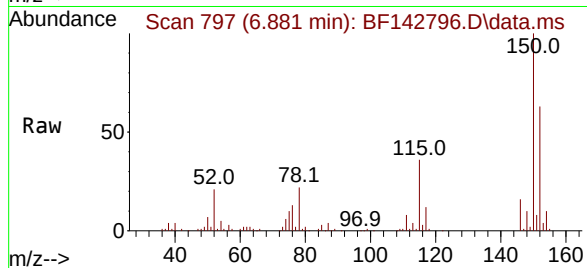
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BNA_F
ClientSampleId :
ICVBF061925

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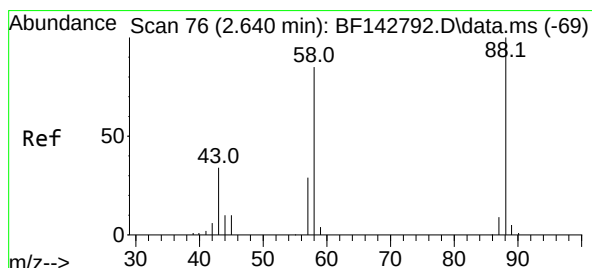
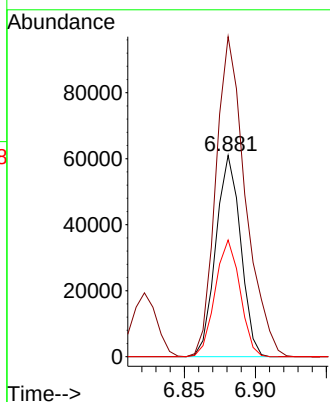
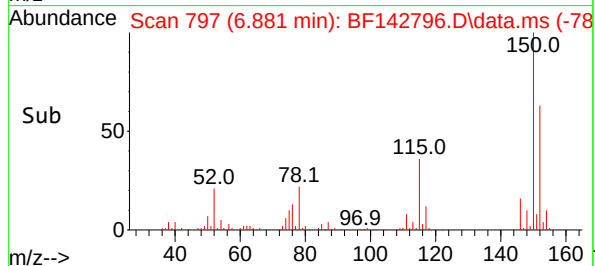


#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.881 min Scan# 74
Delta R.T. -0.000 min
Lab File: BF142796.D
Acq: 19 Jun 2025 21:10

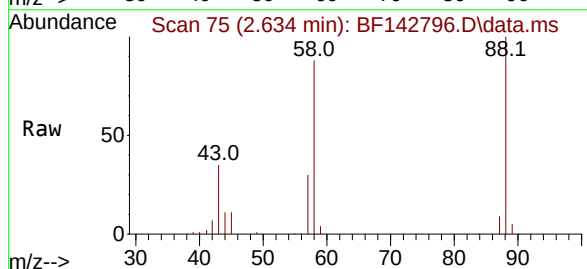
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ClientSampleId :
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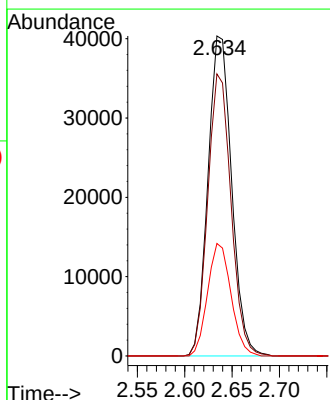
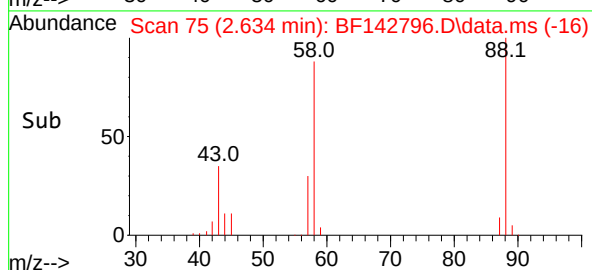
Tgt Ion:152 Resp: 74183
Ion Ratio Lower Upper
152 100
150 159.0 127.2 190.8
115 57.9 46.6 69.8

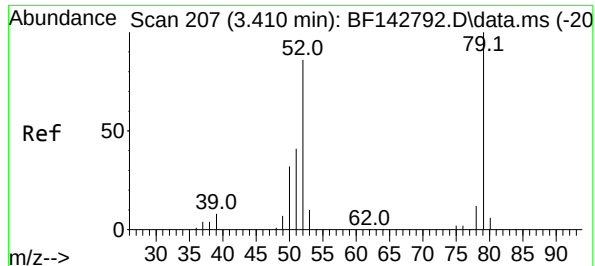


#2
1,4-Dioxane
Concen: 39.357 ng
RT: 2.634 min Scan# 75
Delta R.T. -0.006 min
Lab File: BF142796.D
Acq: 19 Jun 2025 21:10



Tgt Ion: 88 Resp: 70139
Ion Ratio Lower Upper
88 100
58 86.6 69.1 103.7
43 34.8 27.4 41.2





#3

Pyridine

Concen: 41.446 ng

RT: 3.404 min Scan# 207

Delta R.T. -0.006 min

Lab File: BF142796.D

Acq: 19 Jun 2025 21:10

Instrument :

BNA_F

ClientSampleId :

ICVBF061925

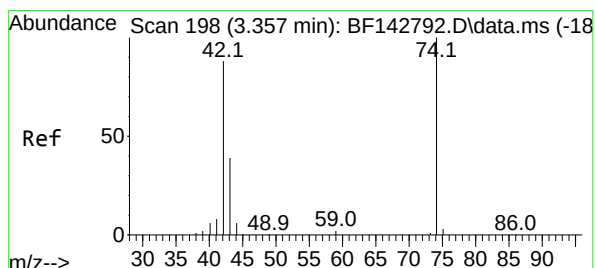
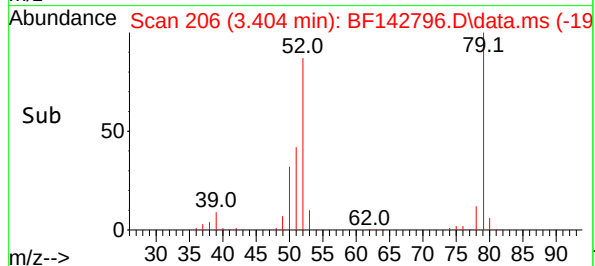
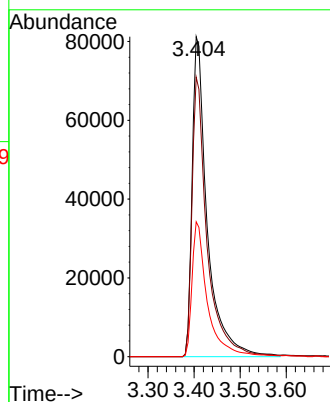
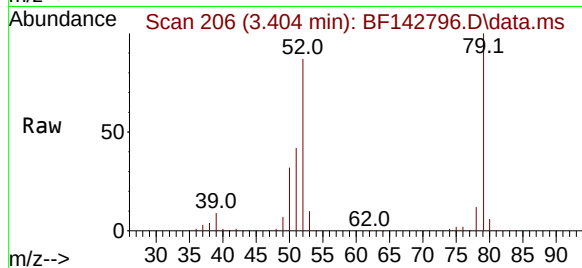
Tgt Ion: 79 Resp: 185173

Ion Ratio Lower Upper

79 100

52 87.4 69.2 103.8

51 42.1 33.2 49.8



#4

n-Nitrosodimethylamine

Concen: 41.912 ng

RT: 3.357 min Scan# 198

Delta R.T. 0.000 min

Lab File: BF142796.D

Acq: 19 Jun 2025 21:10

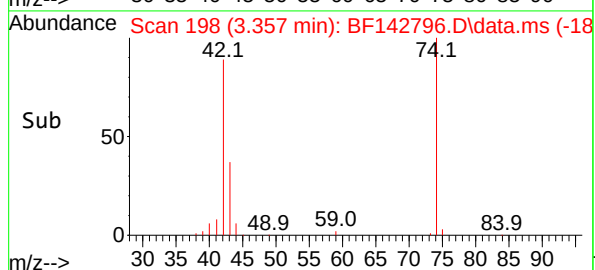
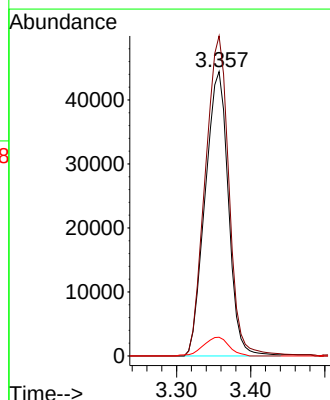
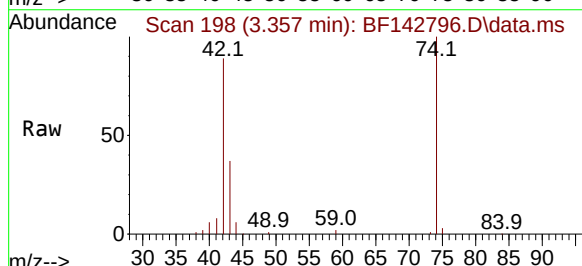
Tgt Ion: 42 Resp: 96831

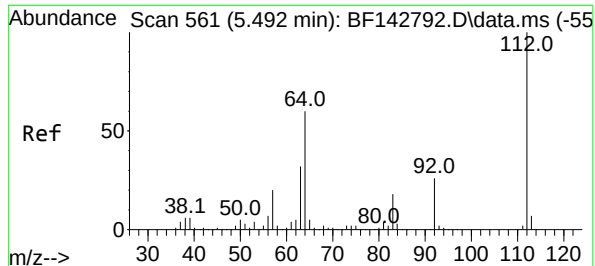
Ion Ratio Lower Upper

42 100

74 112.6 90.9 136.3

44 6.6 5.8 8.6

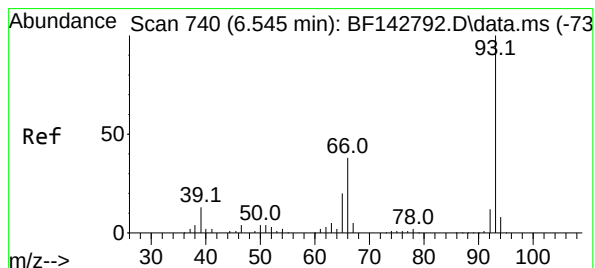
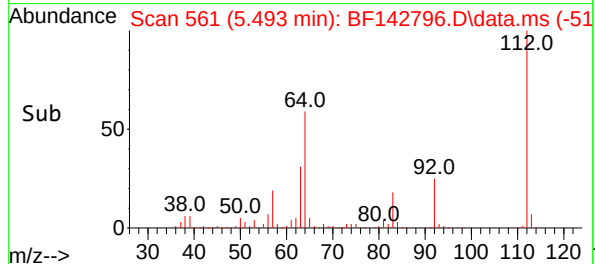
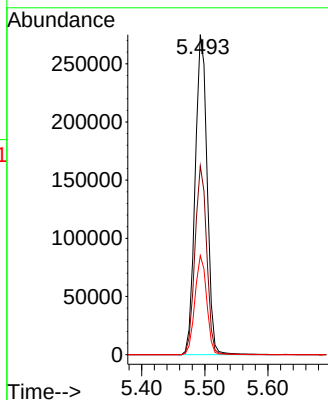
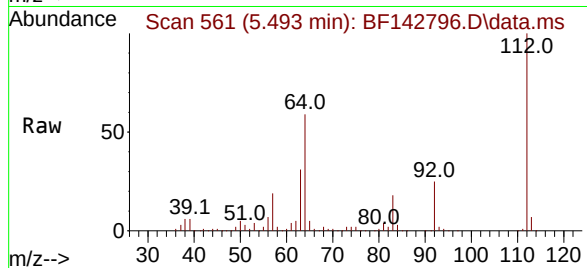




#5
2-Fluorophenol
Concen: 81.192 ng
RT: 5.493 min Scan# 501
Delta R.T. 0.001 min
Lab File: BF142796.D
Acq: 19 Jun 2025 21:10

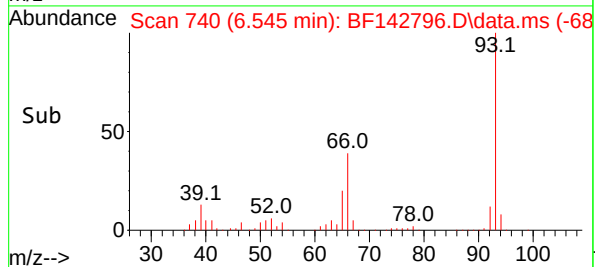
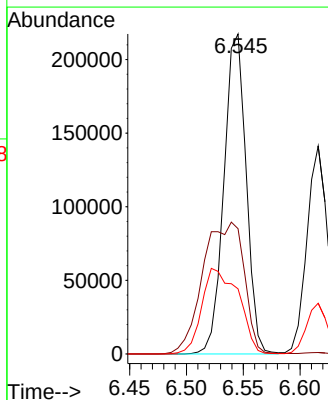
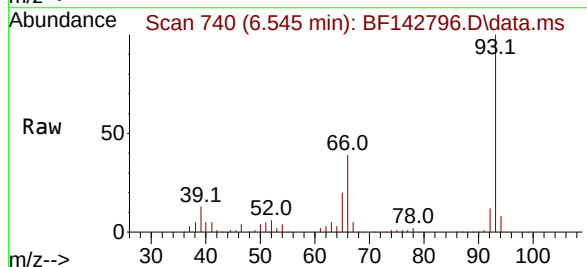
Instrument :
BNA_F
ClientSampleId :
ICVBF061925

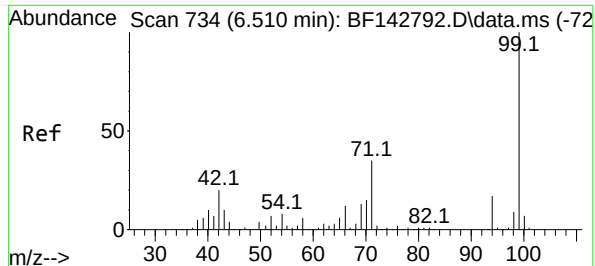
Tgt Ion:112 Resp: 361762
Ion Ratio Lower Upper
112 100
64 59.0 48.2 72.2
63 31.0 25.7 38.5



#6
Aniline
Concen: 42.392 ng
RT: 6.545 min Scan# 740
Delta R.T. 0.000 min
Lab File: BF142796.D
Acq: 19 Jun 2025 21:10

Tgt Ion: 93 Resp: 296519
Ion Ratio Lower Upper
93 100
66 39.2 31.8 47.6
65 20.4 16.2 24.2





#7

Phenol-d6

Concen: 80.262 ng

RT: 6.510 min Scan# 71

Delta R.T. 0.000 min

Lab File: BF142796.D

Acq: 19 Jun 2025 21:10

Instrument :

BNA_F

ClientSampleId :

ICVBF061925

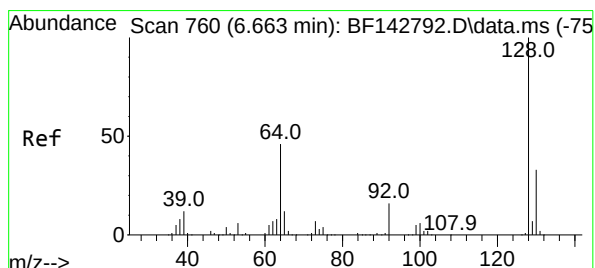
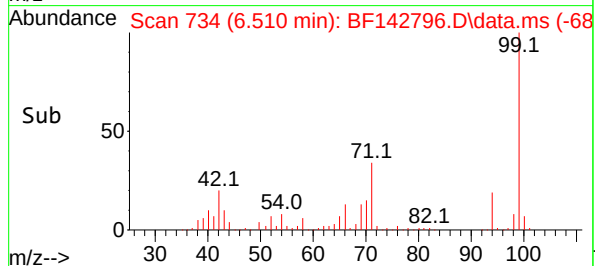
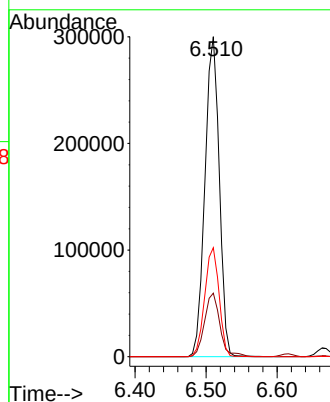
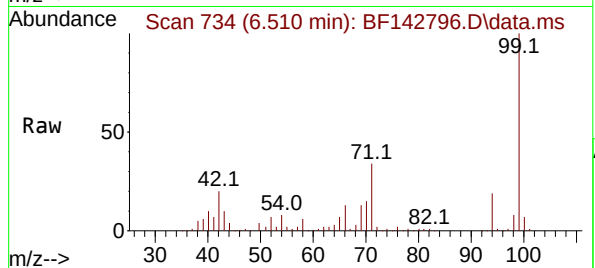
Tgt Ion: 99 Resp: 421918

Ion Ratio Lower Upper

99 100

42 19.8 15.9 23.9

71 34.1 27.8 41.8



#8

2-Chlorophenol

Concen: 42.036 ng

RT: 6.663 min Scan# 760

Delta R.T. 0.000 min

Lab File: BF142796.D

Acq: 19 Jun 2025 21:10

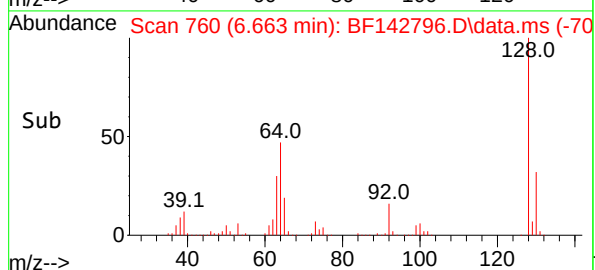
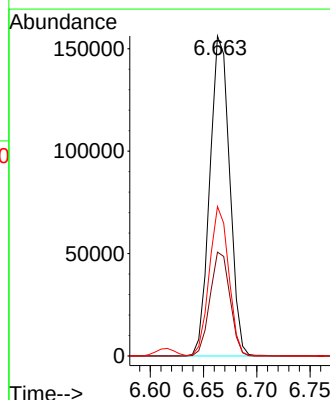
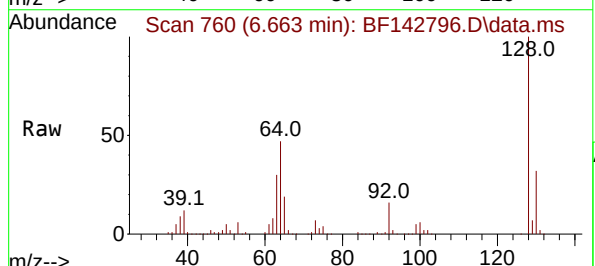
Tgt Ion: 128 Resp: 202041

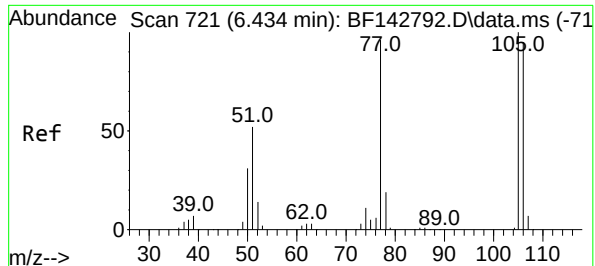
Ion Ratio Lower Upper

128 100

130 32.4 12.7 52.7

64 46.7 26.5 66.5





#9

Benzaldehyde

Concen: 47.511 ng

RT: 6.434 min Scan# 721

Delta R.T. -0.000 min

Lab File: BF142796.D

Acq: 19 Jun 2025 21:10

Instrument :

BNA_F

ClientSampleId :

ICVBF061925

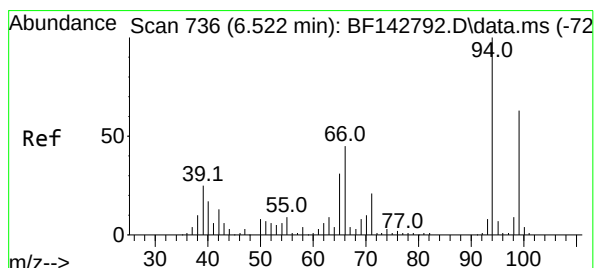
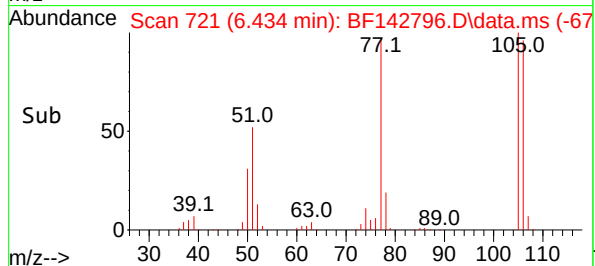
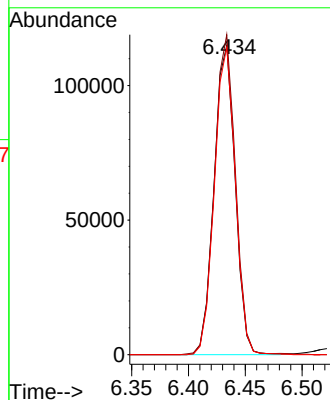
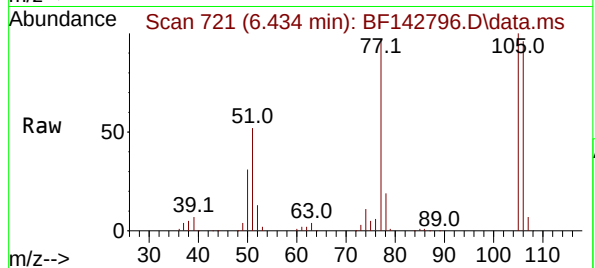
Tgt Ion: 77 Resp: 148174

Ion Ratio Lower Upper

77 100

105 103.4 83.8 123.8

106 99.4 78.7 118.7



#10

Phenol

Concen: 41.901 ng

RT: 6.522 min Scan# 736

Delta R.T. 0.000 min

Lab File: BF142796.D

Acq: 19 Jun 2025 21:10

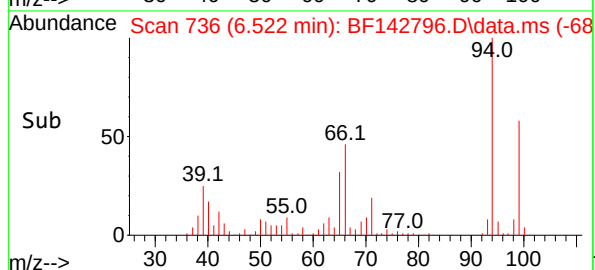
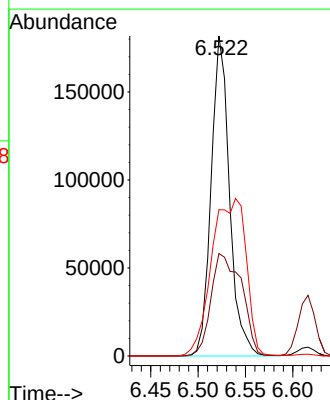
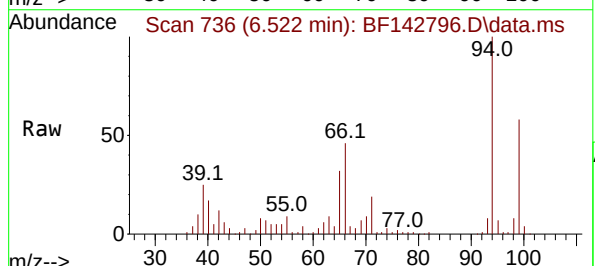
Tgt Ion: 94 Resp: 244839

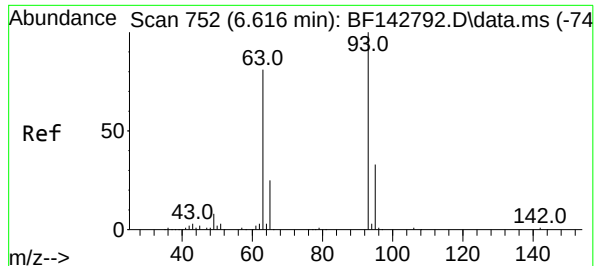
Ion Ratio Lower Upper

94 100

65 32.0 11.3 51.3

66 45.7 24.9 64.9





#11

bis(2-Chloroethyl)ether

Concen: 42.157 ng

RT: 6.616 min Scan# 752

Delta R.T. 0.000 min

Lab File: BF142796.D

Acq: 19 Jun 2025 21:10

Instrument :

BNA_F

ClientSampleId :

ICVBF061925

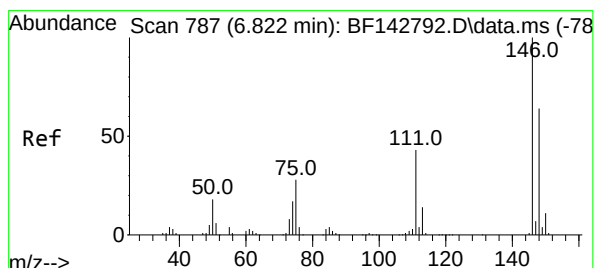
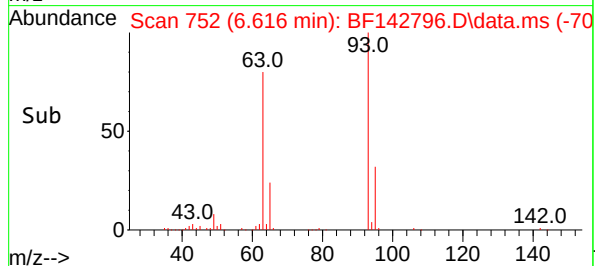
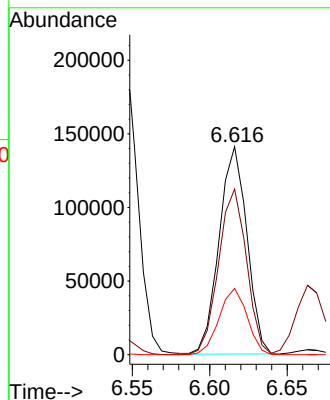
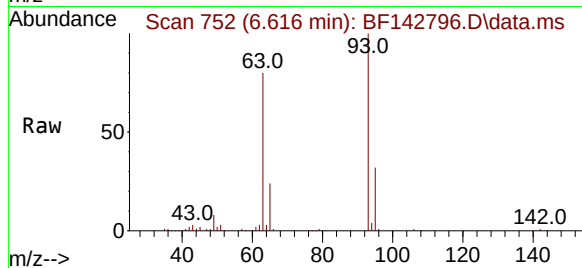
Tgt Ion: 93 Resp: 176058

Ion Ratio Lower Upper

93 100

63 79.6 60.3 100.3

95 31.9 12.5 52.5



#12

1,3-Dichlorobenzene

Concen: 42.568 ng

RT: 6.822 min Scan# 787

Delta R.T. 0.000 min

Lab File: BF142796.D

Acq: 19 Jun 2025 21:10

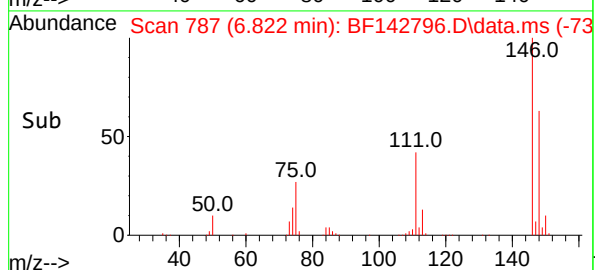
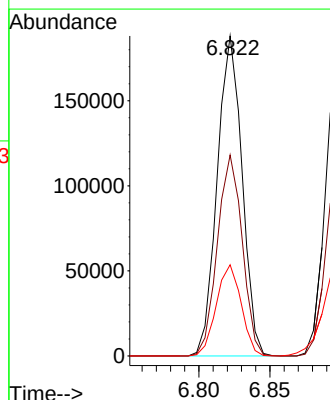
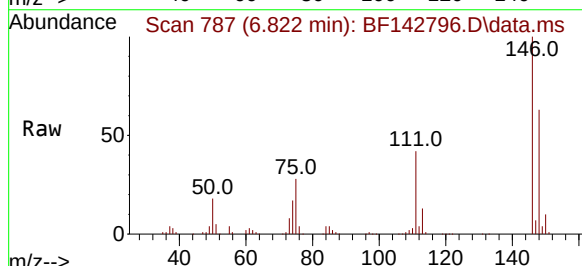
Tgt Ion:146 Resp: 228820

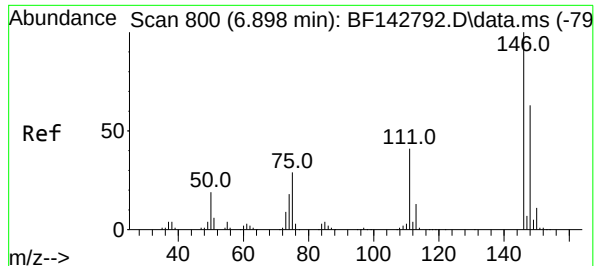
Ion Ratio Lower Upper

146 100

148 62.8 51.1 76.7

75 28.5 22.7 34.1





#13

1,4-Dichlorobenzene

Concen: 42.268 ng

RT: 6.898 min Scan# 800

Delta R.T. 0.000 min

Lab File: BF142796.D

Acq: 19 Jun 2025 21:10

Instrument :

BNA_F

ClientSampleId :

ICVBF061925

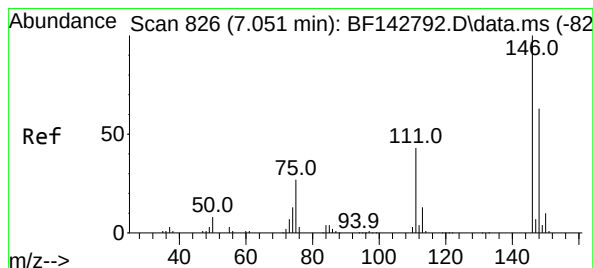
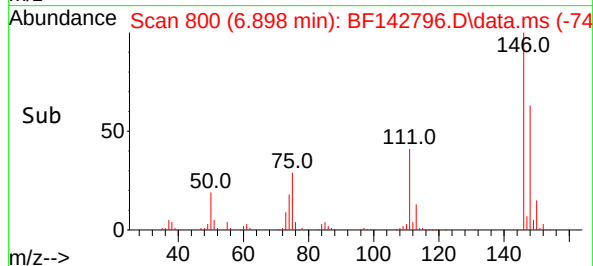
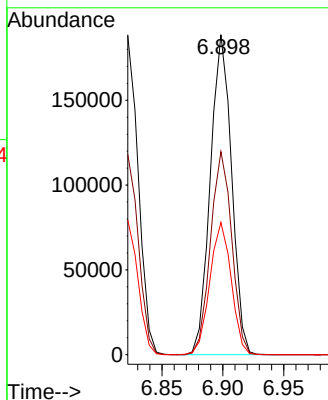
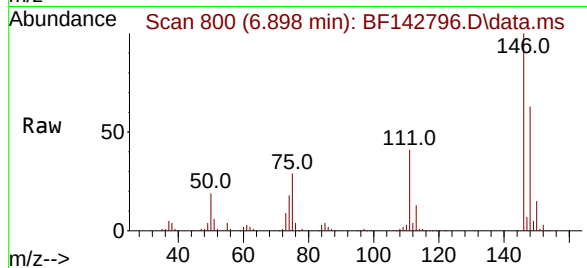
Tgt Ion:146 Resp: 229234

Ion Ratio Lower Upper

146 100

148 63.5 50.2 75.2

111 41.3 33.2 49.8



#14

1,2-Dichlorobenzene

Concen: 42.520 ng

RT: 7.051 min Scan# 826

Delta R.T. 0.000 min

Lab File: BF142796.D

Acq: 19 Jun 2025 21:10

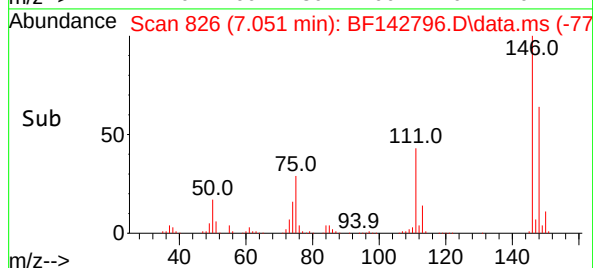
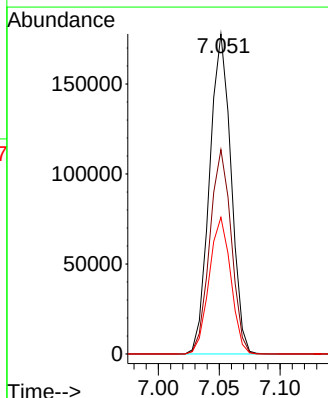
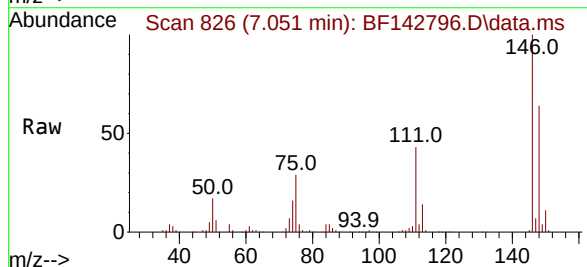
Tgt Ion:146 Resp: 218720

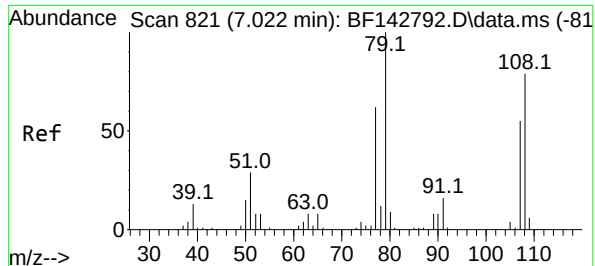
Ion Ratio Lower Upper

146 100

148 63.9 50.4 75.6

111 42.7 34.1 51.1





#15

Benzyl Alcohol

Concen: 42.114 ng

RT: 7.022 min Scan# 821

Delta R.T. 0.000 min

Lab File: BF142796.D

Acq: 19 Jun 2025 21:10

Instrument :

BNA_F

ClientSampleId :

ICVBF061925

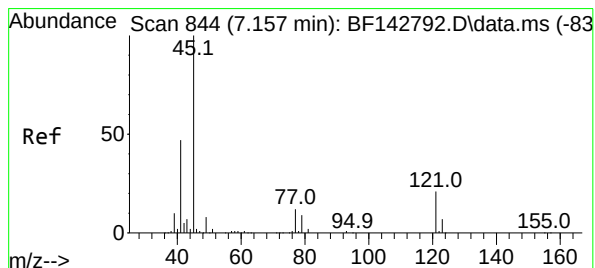
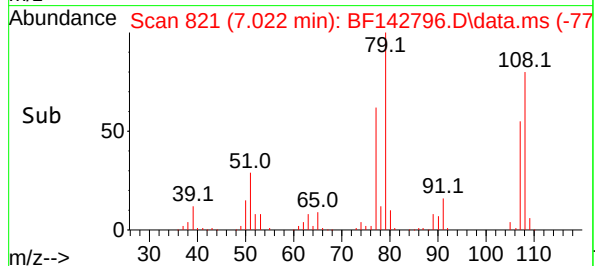
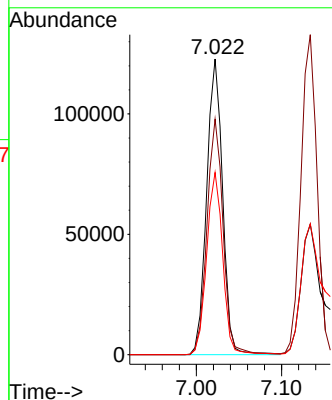
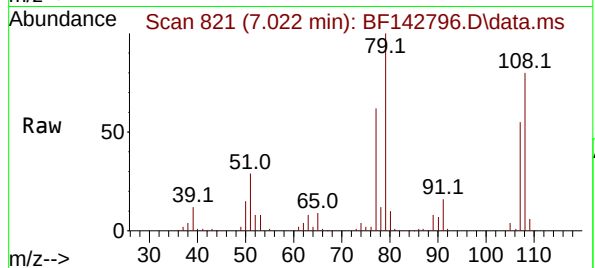
Tgt Ion: 79 Resp: 160044

Ion Ratio Lower Upper

79 100

108 79.6 63.4 95.0

77 61.7 49.5 74.3



#16

2,2'-oxybis(1-chloropropane)

Concen: 42.379 ng

RT: 7.157 min Scan# 844

Delta R.T. 0.000 min

Lab File: BF142796.D

Acq: 19 Jun 2025 21:10

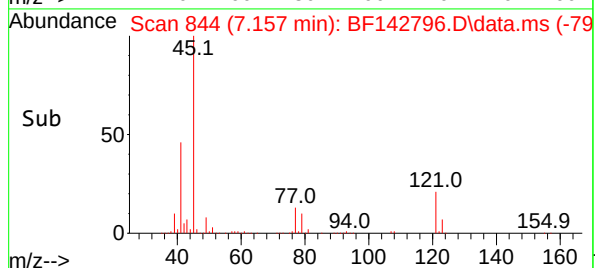
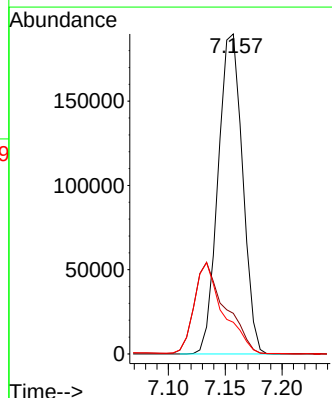
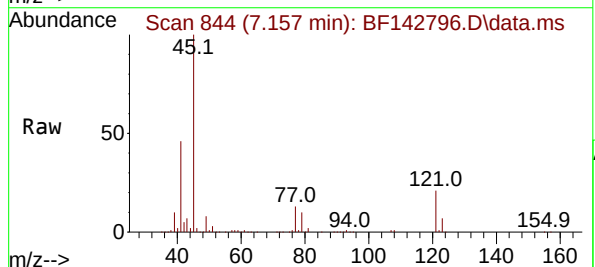
Tgt Ion: 45 Resp: 284352

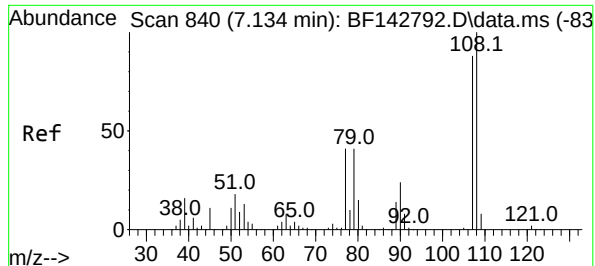
Ion Ratio Lower Upper

45 100

77 12.7 0.0 32.8

79 9.9 0.0 29.8

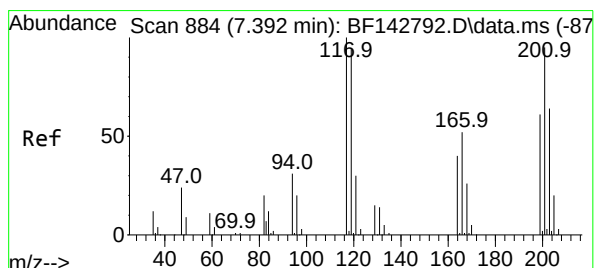
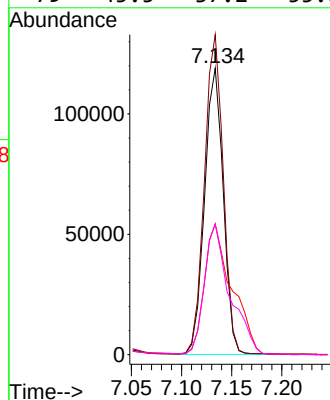
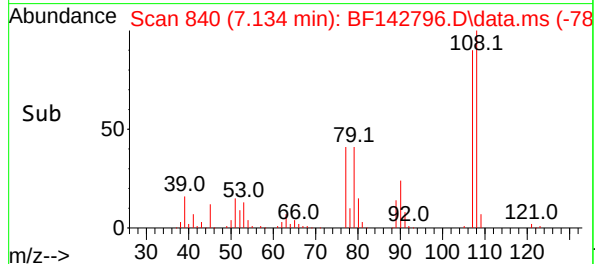
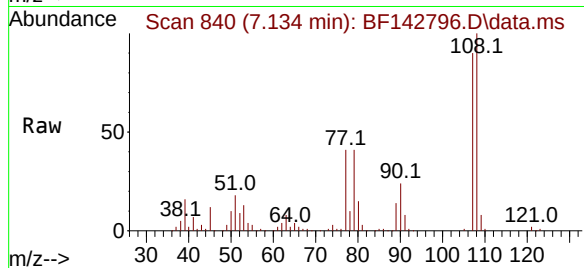




#17
2-Methylphenol
Concen: 42.485 ng
RT: 7.134 min Scan# 840
Delta R.T. 0.000 min
Lab File: BF142796.D
Acq: 19 Jun 2025 21:10

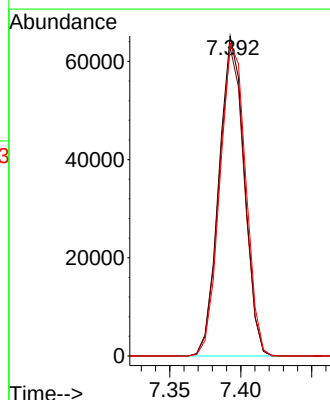
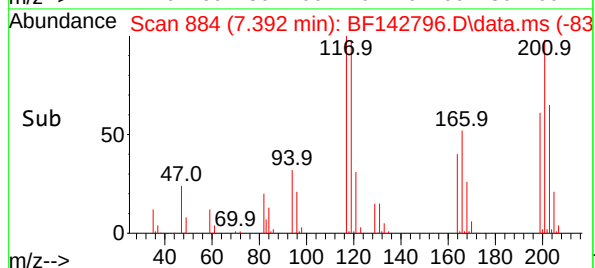
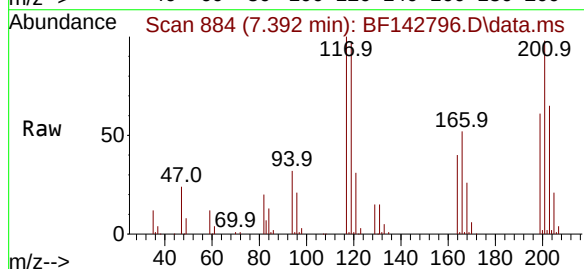
Instrument :
BNA_F
ClientSampleId :
ICVBF061925

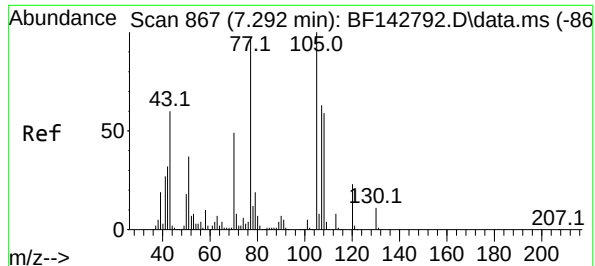
Tgt Ion:107 Resp: 154746
Ion Ratio Lower Upper
107 100
108 111.6 90.9 136.3
77 45.7 37.3 55.9
79 45.5 37.2 55.8



#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

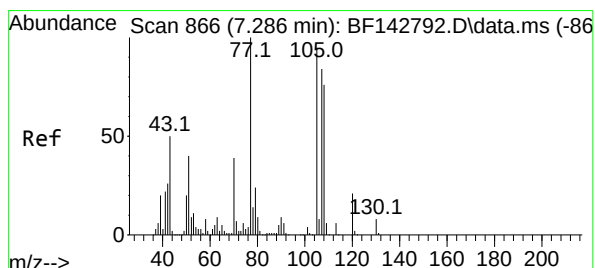
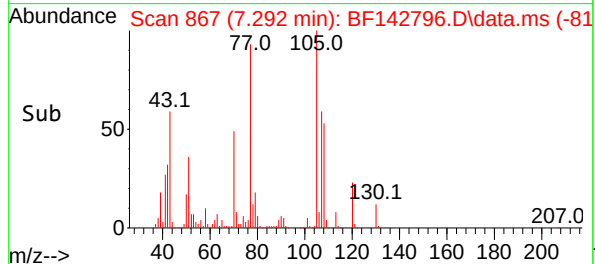
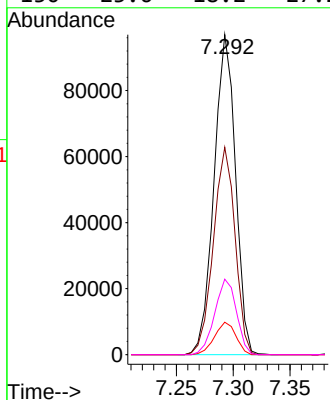
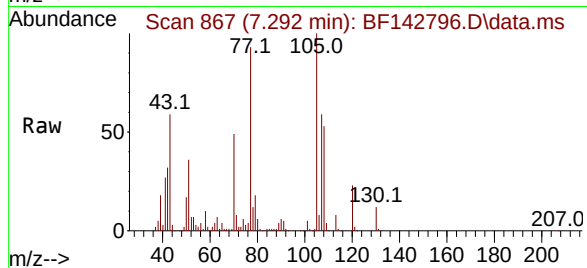
Ion Ratio Lower Upper

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

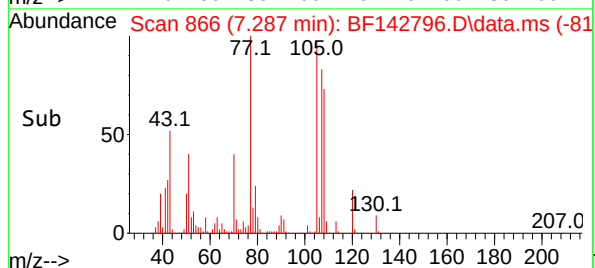
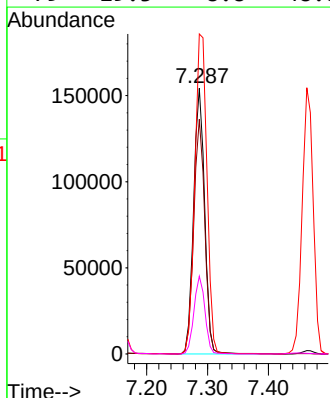
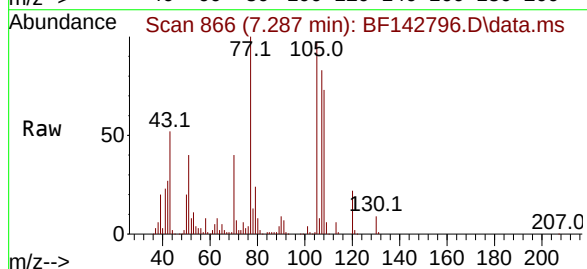
Ion Ratio Lower Upper

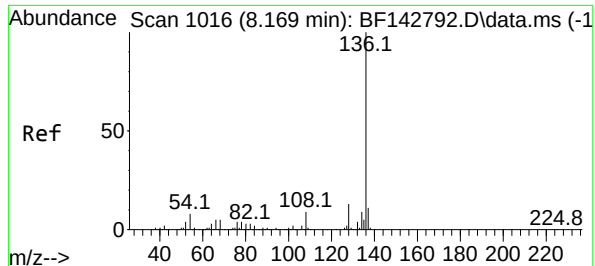
107 100

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# 1016

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

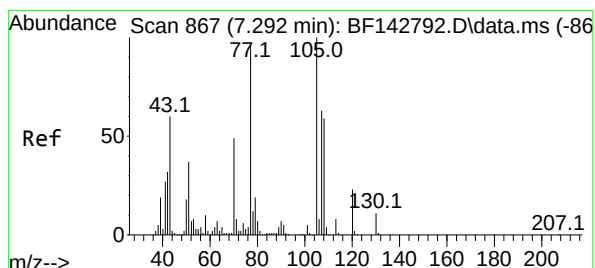
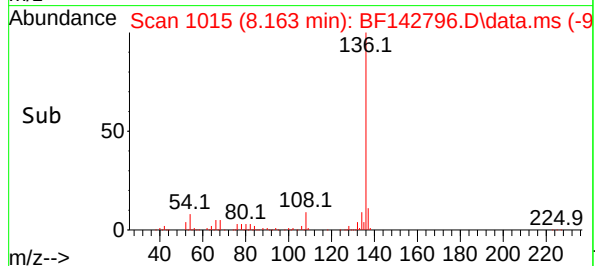
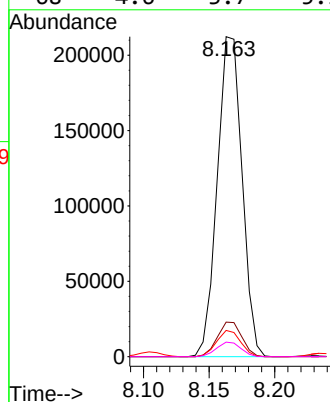
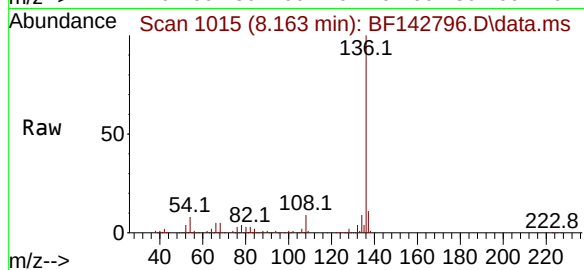
Ion Ratio Lower Upper

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

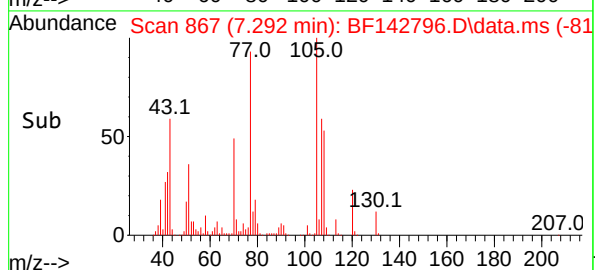
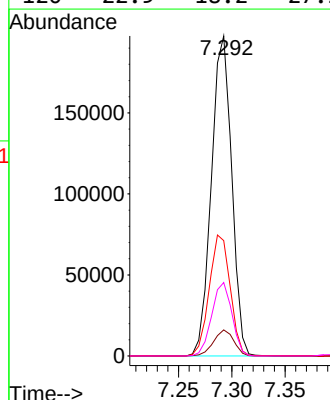
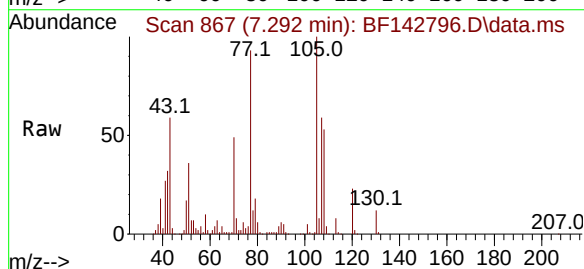
Ion Ratio Lower Upper

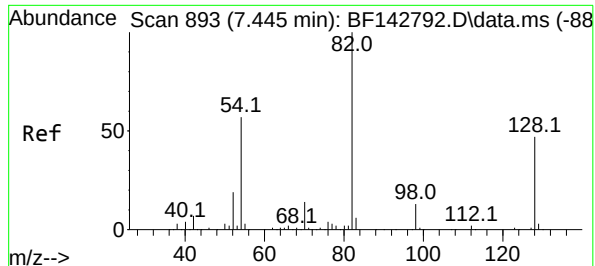
105 100

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

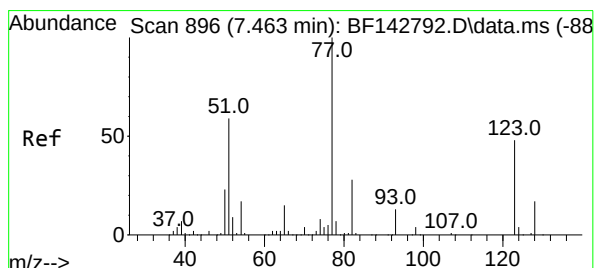
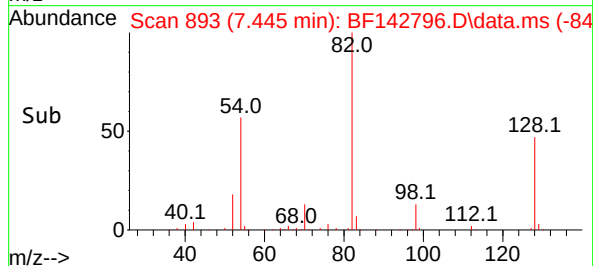
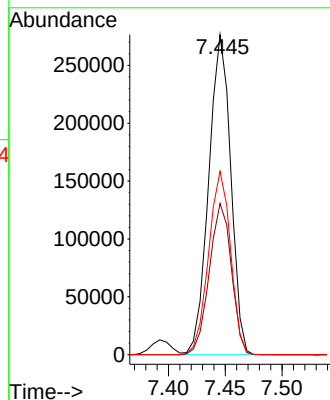
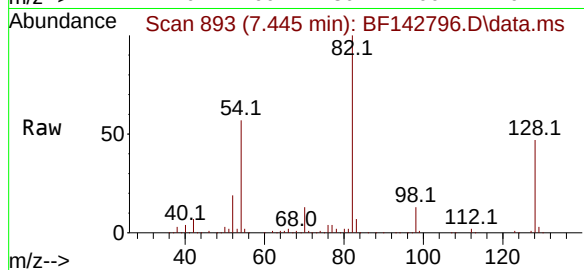
Tgt Ion: 82 Resp: 373199

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

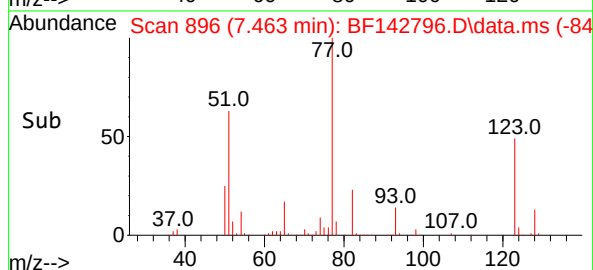
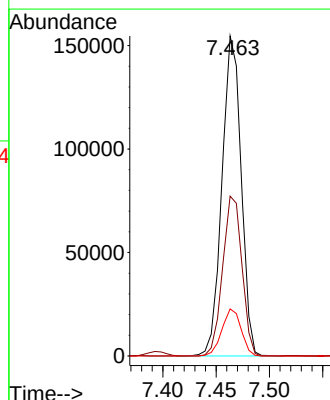
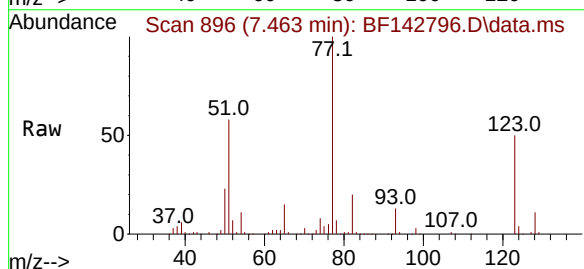
Tgt Ion: 77 Resp: 193310

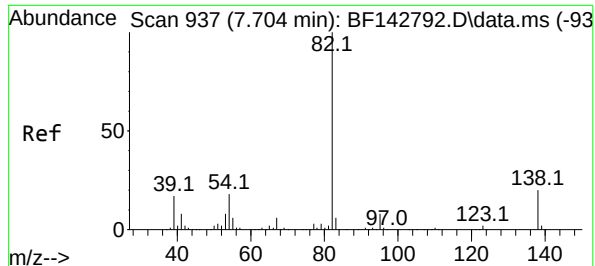
Ion Ratio Lower Upper

77 100

123 50.0 39.2 58.8

65 14.7 11.6 17.4

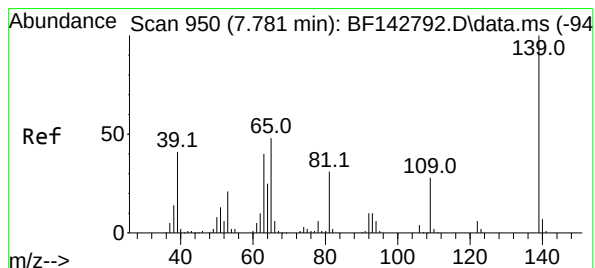
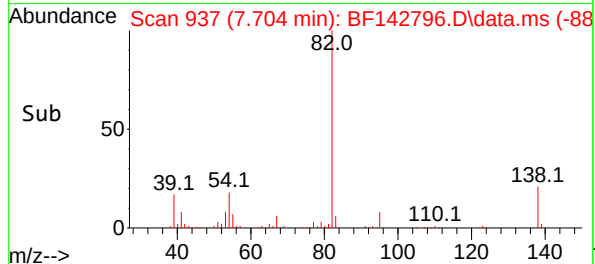
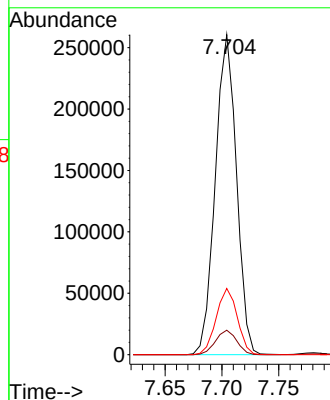
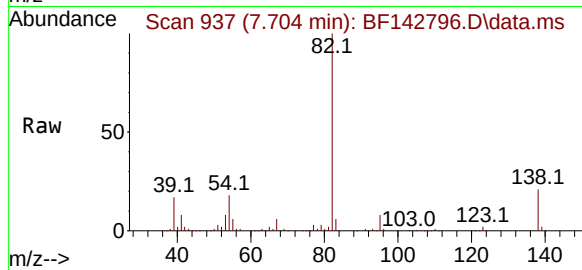




#25
Isophorone
Concen: 41.403 ng
RT: 7.704 min Scan# 91
Delta R.T. 0.000 min
Lab File: BF142796.D
Acq: 19 Jun 2025 21:10

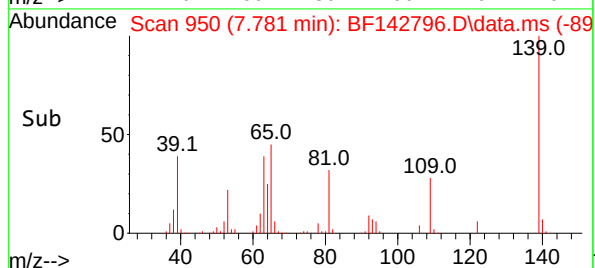
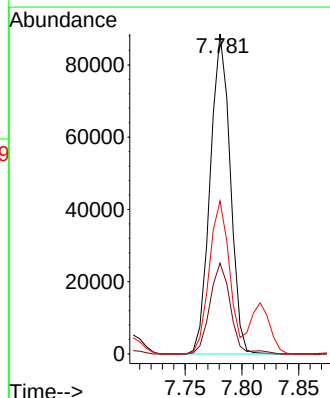
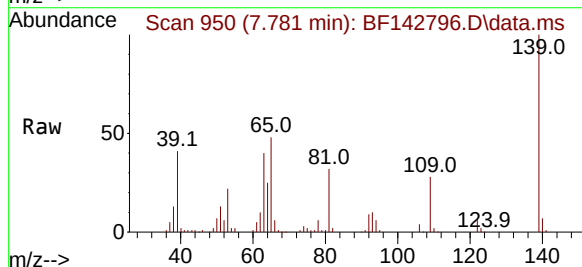
Instrument :
BNA_F
ClientSampleId :
ICVBF061925

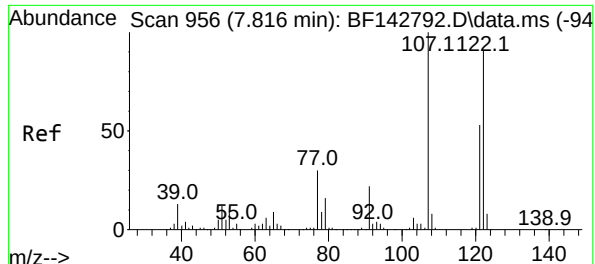
Tgt Ion:	82	Resp:	338001
Ion	Ratio	Lower	Upper
82	100		
95	7.7	6.2	9.2
138	20.7	16.2	24.4



#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

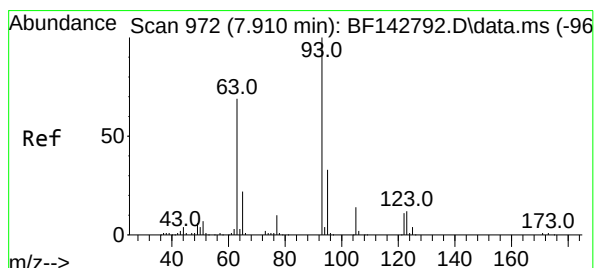
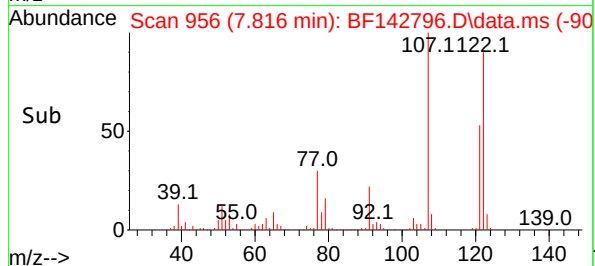
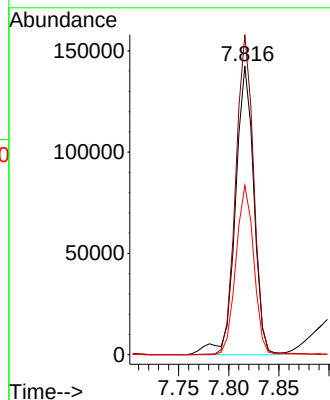
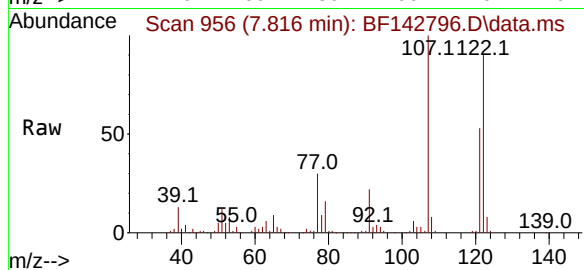
Tgt Ion:122 Resp: 183273

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

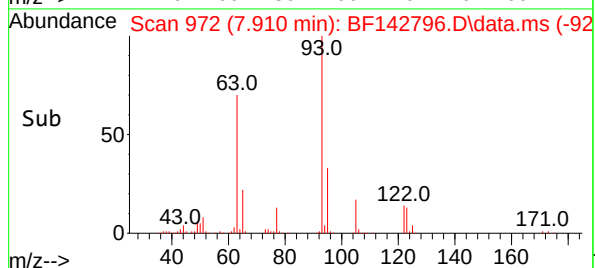
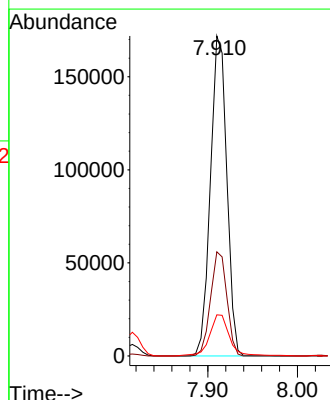
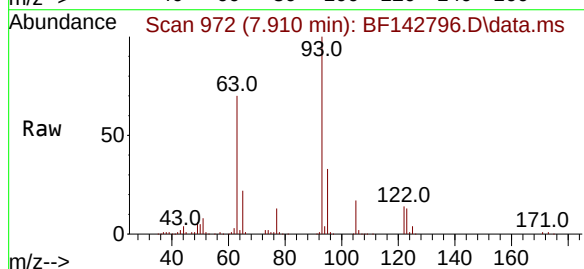
Tgt Ion: 93 Resp: 217774

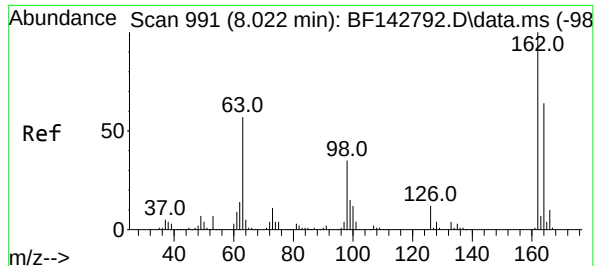
Ion Ratio Lower Upper

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

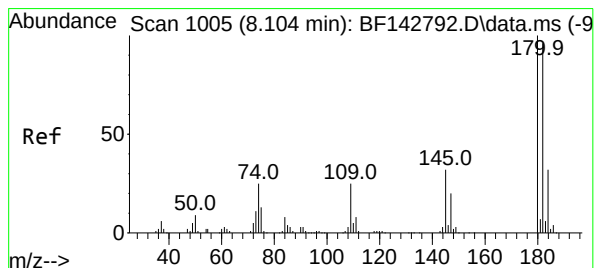
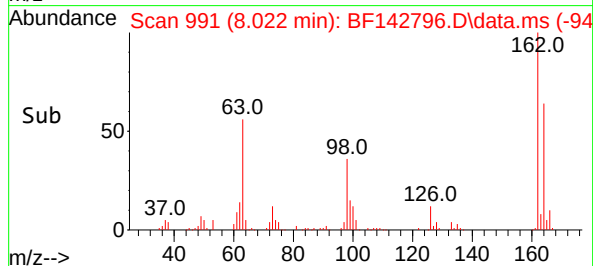
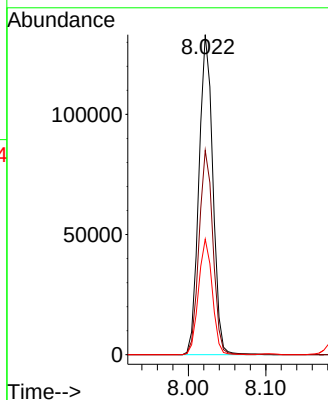
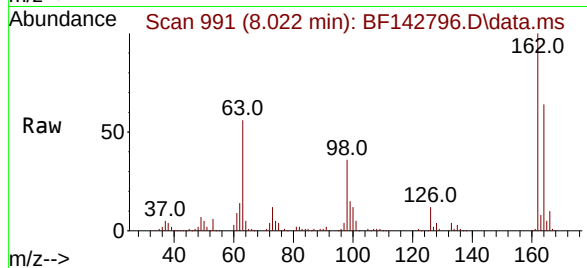
Tgt Ion:162 Resp: 166286

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

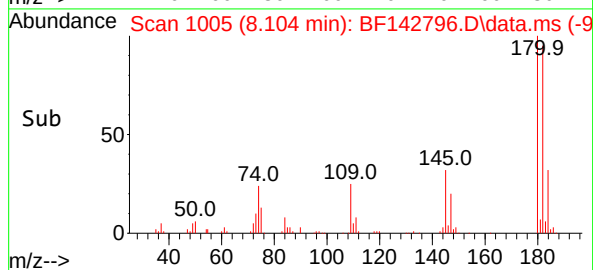
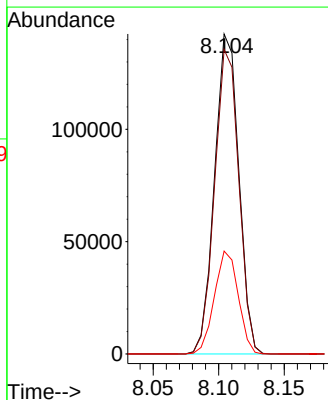
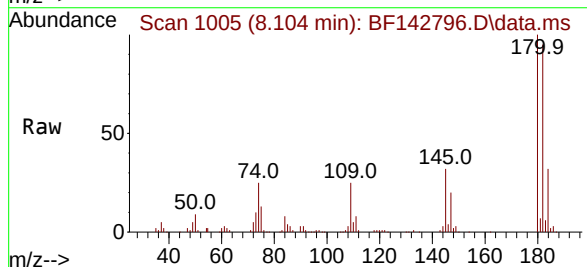
Tgt Ion:180 Resp: 182768

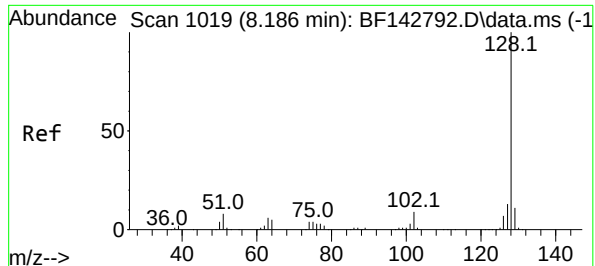
Ion Ratio Lower Upper

180 100

182 95.1 76.4 114.6

145 32.1 25.8 38.8

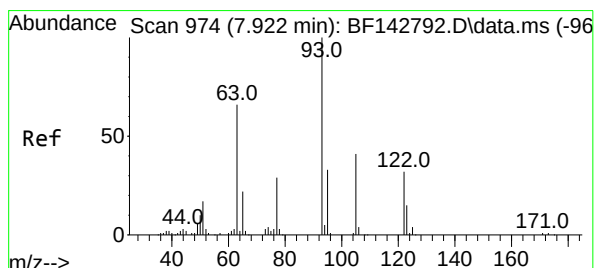
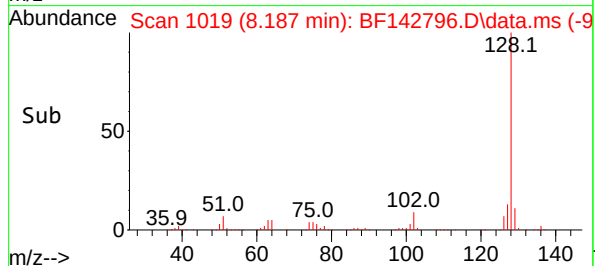
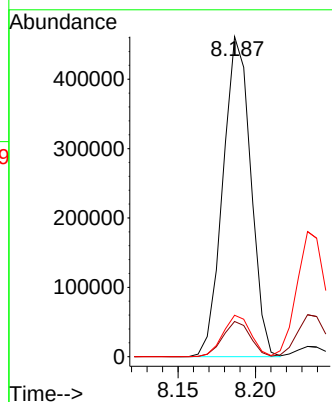
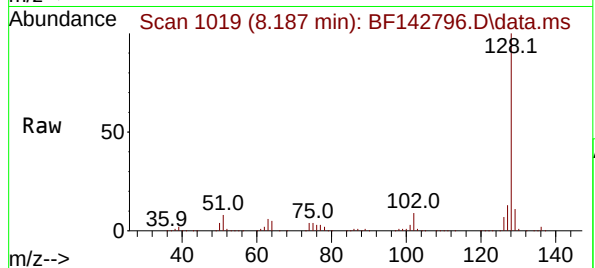




#31
Naphthalene
Concen: 42.218 ng
RT: 8.187 min Scan# 1019
Delta R.T. 0.000 min
Lab File: BF142796.D
Acq: 19 Jun 2025 21:10

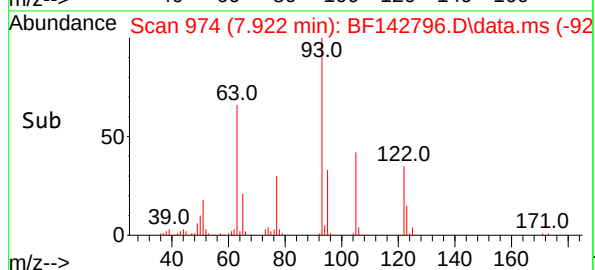
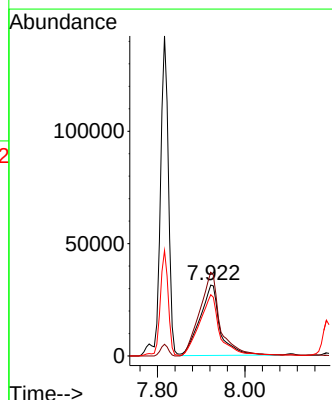
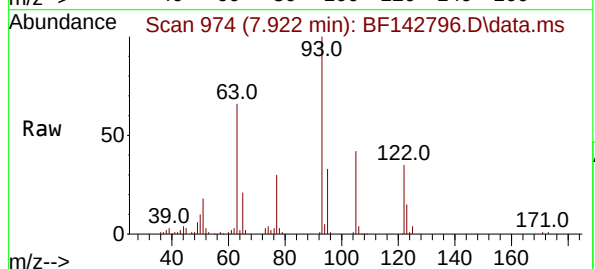
Instrument :
BNA_F
ClientSampleId :
ICVBF061925

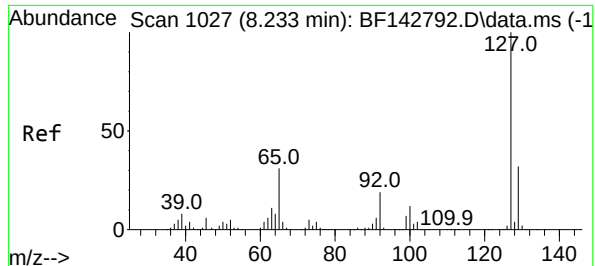
Tgt Ion:128 Resp: 576847
Ion Ratio Lower Upper
128 100
129 11.0 8.9 13.3
127 12.9 10.4 15.6



#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

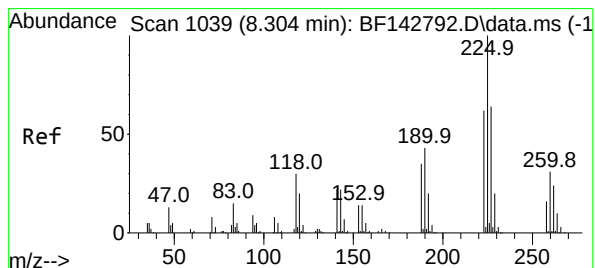
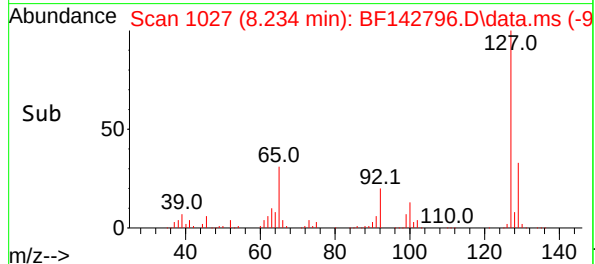
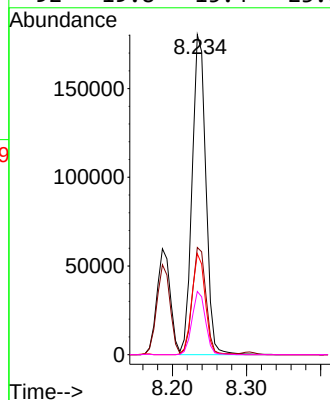
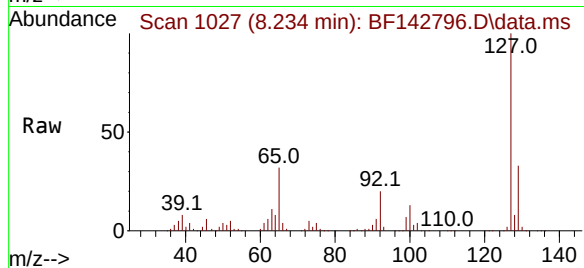
Ion Ratio Lower Upper

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

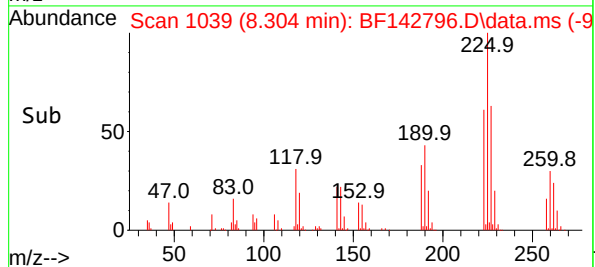
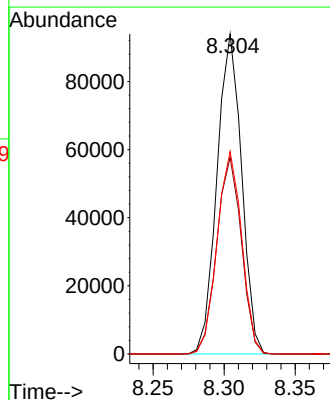
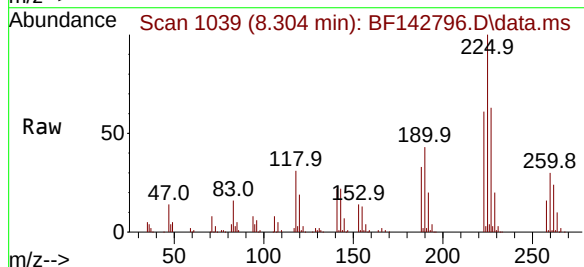
Tgt Ion:225 Resp: 113068

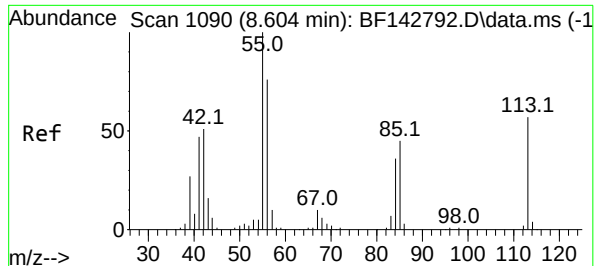
Ion Ratio Lower Upper

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

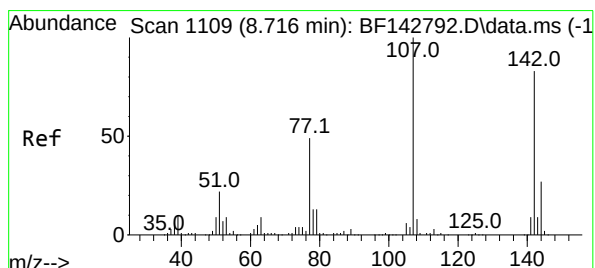
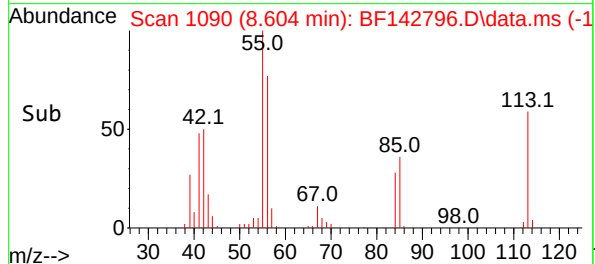
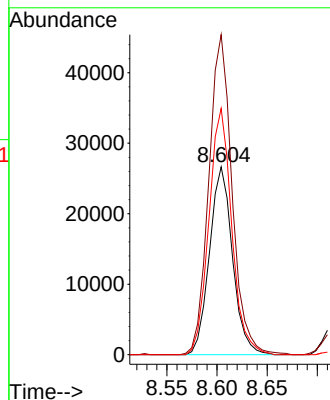
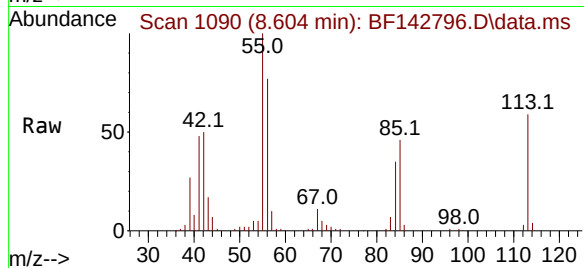
Tgt Ion:113 Resp: 42561

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

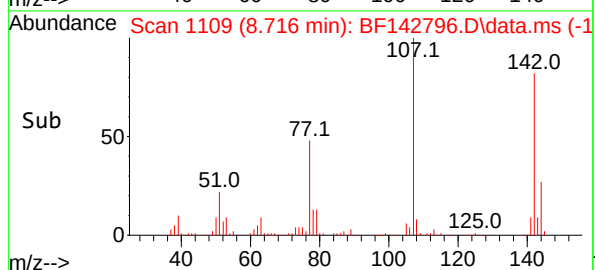
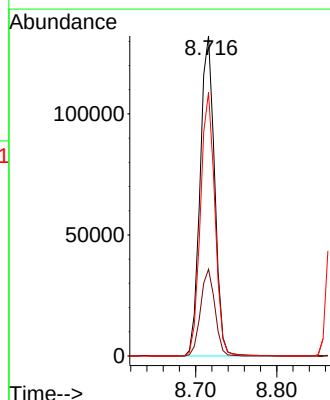
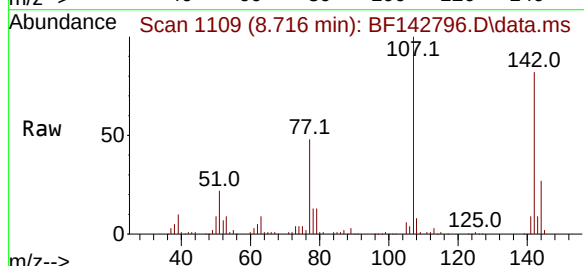
Tgt Ion:107 Resp: 164064

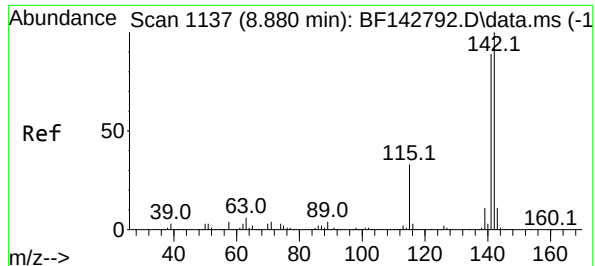
Ion Ratio Lower Upper

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 :

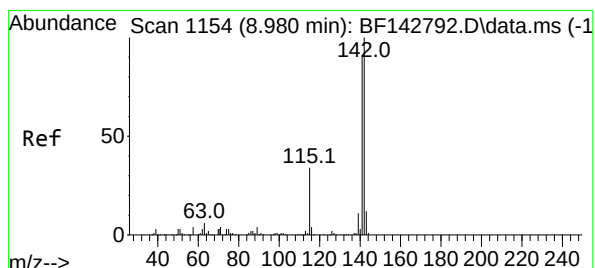
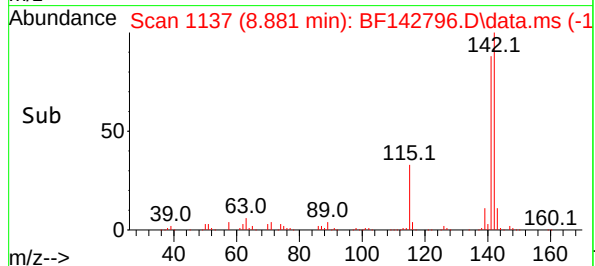
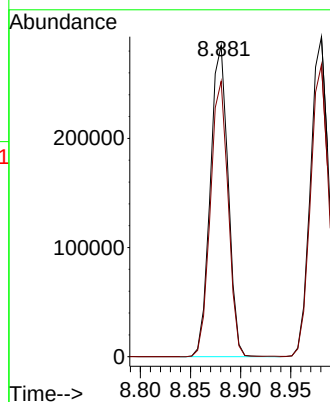
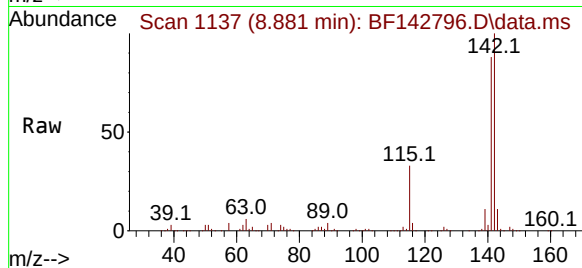
ICVBF061925

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

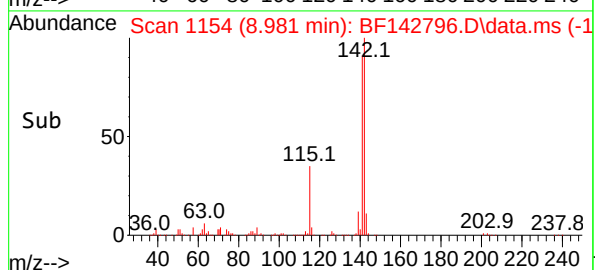
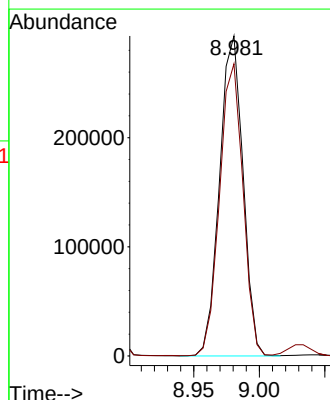
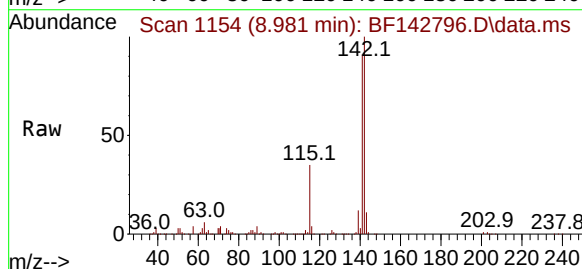
Acq: 19 Jun 2025 21:10

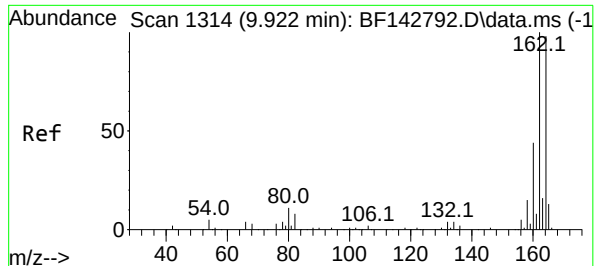
Tgt Ion:142 Resp: 364378

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# 1165

Delta R.T. 0.000 min

Lab File: BF142796.D

Acq: 19 Jun 2025 21:10

Instrument :

BNA_F

ClientSampleId :

ICVBF061925

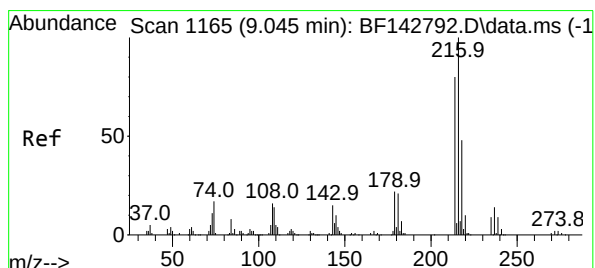
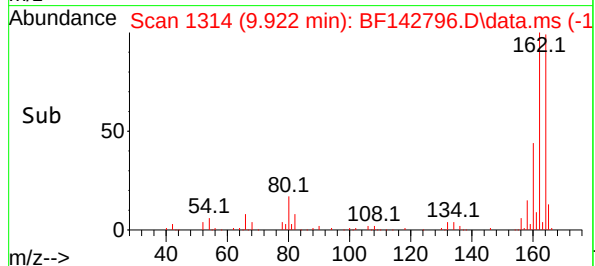
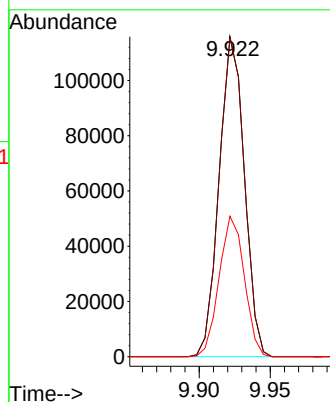
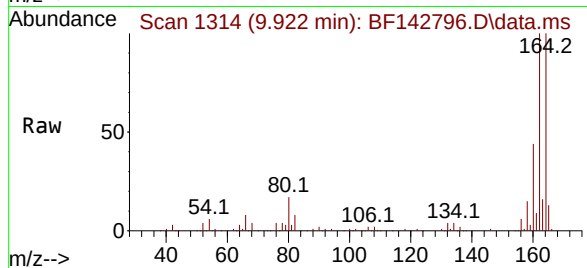
Tgt Ion:164 Resp: 142968

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

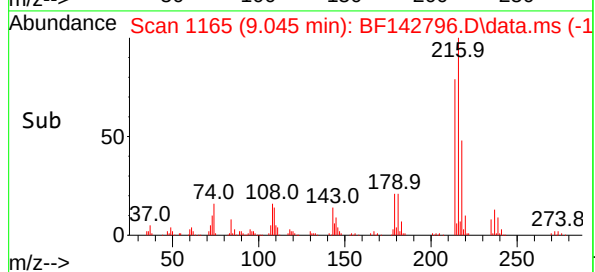
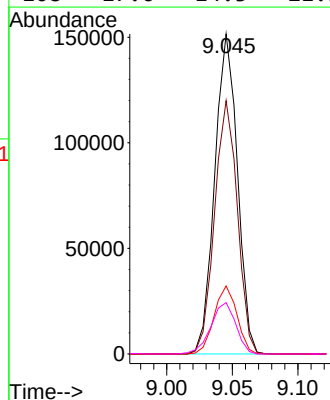
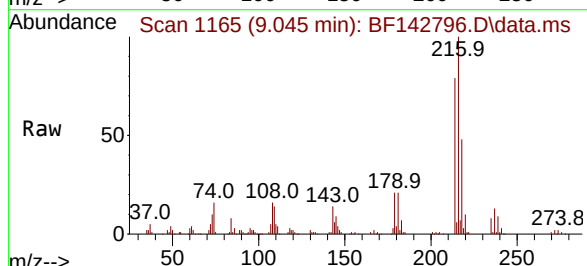
Ion Ratio Lower Upper

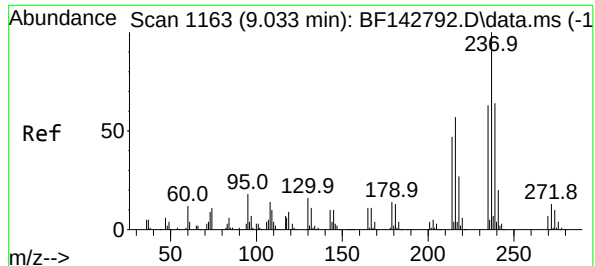
216 100

214 79.1 63.7 95.5

179 21.3 17.6 26.4

108 17.6 14.3 21.5

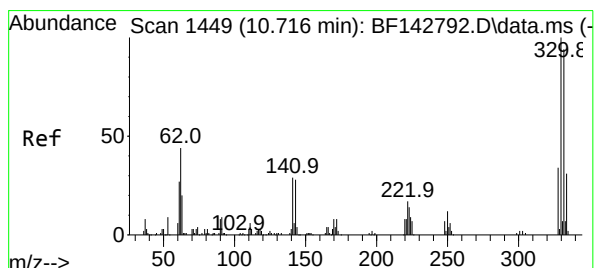
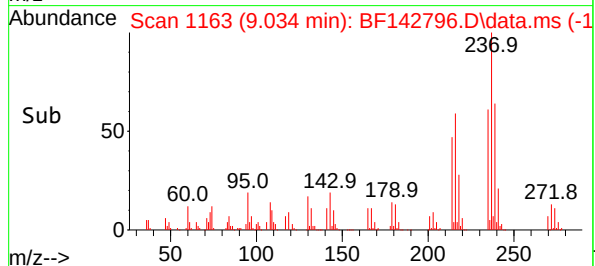
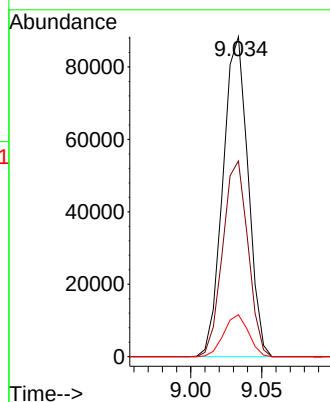
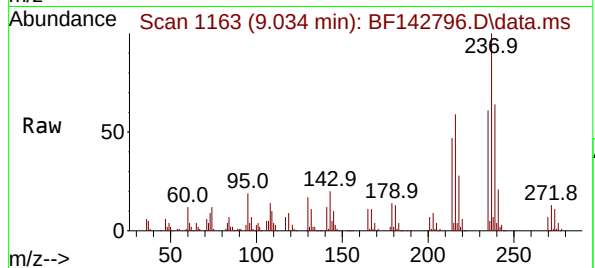




#41
Hexachlorocyclopentadiene
Concen: 45.361 ng
RT: 9.034 min Scan# 1163
Delta R.T. 0.000 min
Lab File: BF142796.D
Acq: 19 Jun 2025 21:10

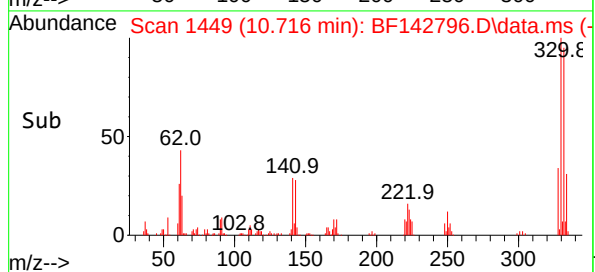
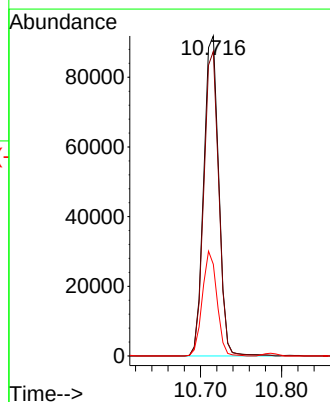
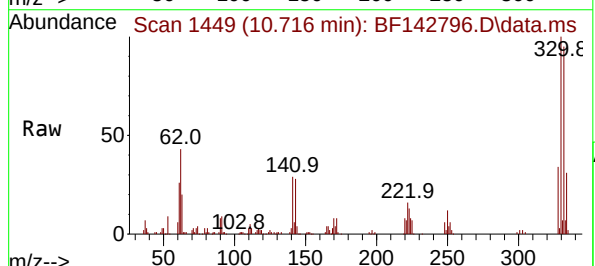
Instrument :
BNA_F
ClientSampleId :
ICVBF061925

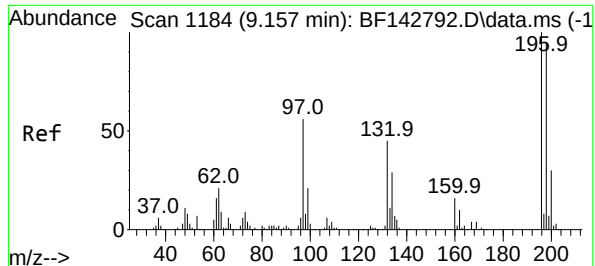
Tgt Ion:237 Resp: 108592
Ion Ratio Lower Upper
237 100
235 61.2 43.4 83.4
272 13.1 0.0 32.7



#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

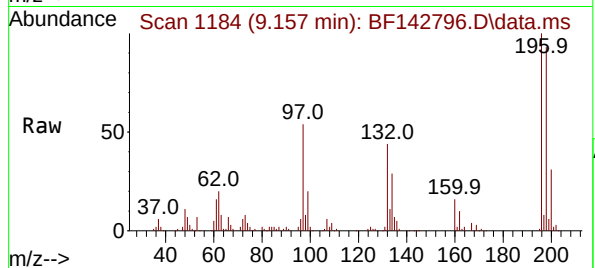
Acq: 19 Jun 2025 21:10

Instrument :

BNA_F

ClientSampleId :

ICVBF061925



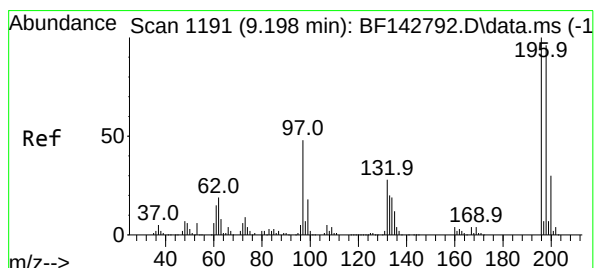
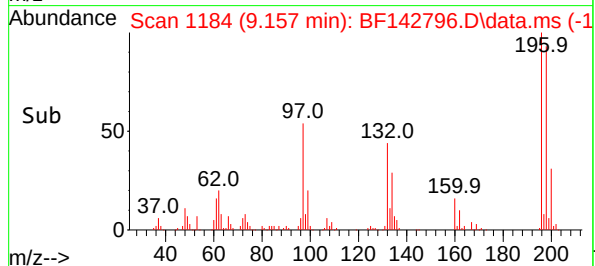
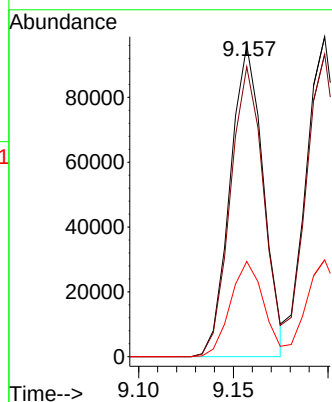
Tgt Ion:196 Resp: 116946

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

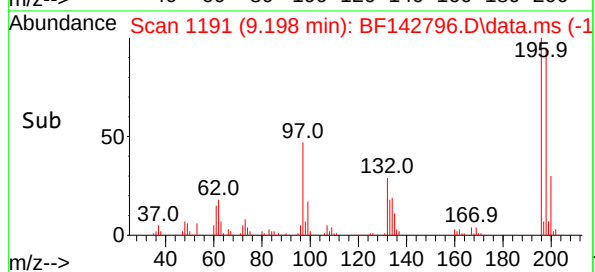
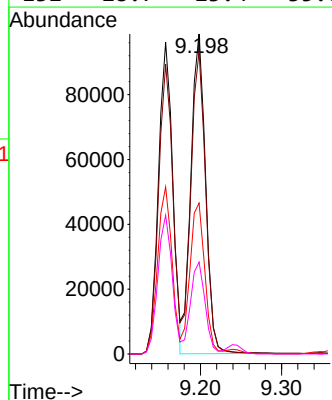
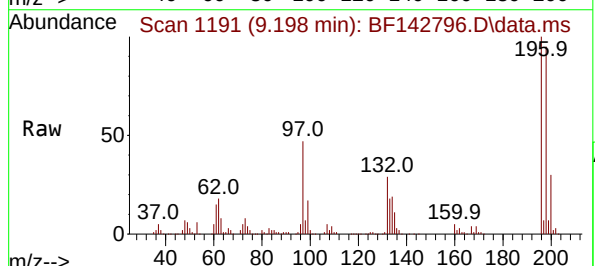
Ion Ratio Lower Upper

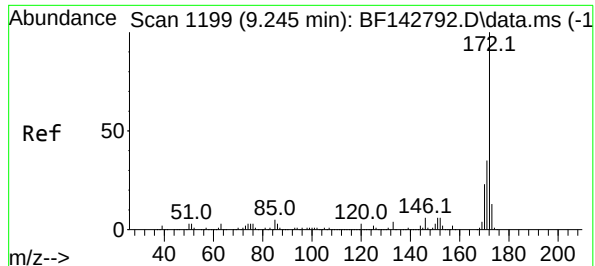
196 100

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

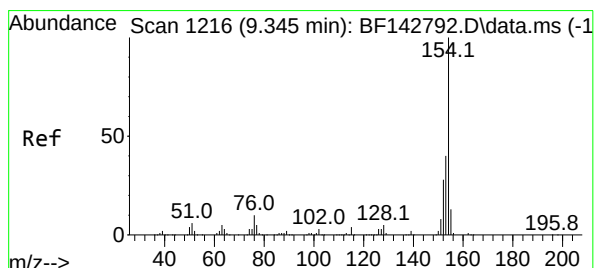
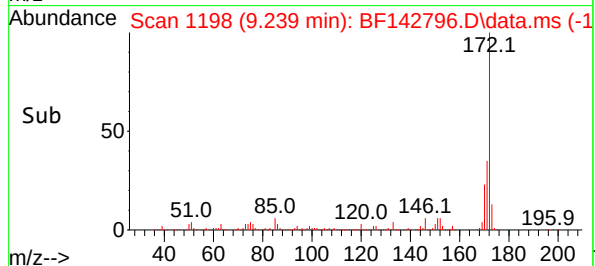
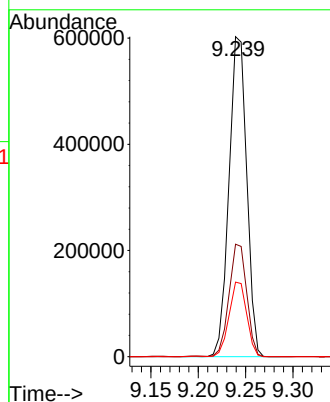
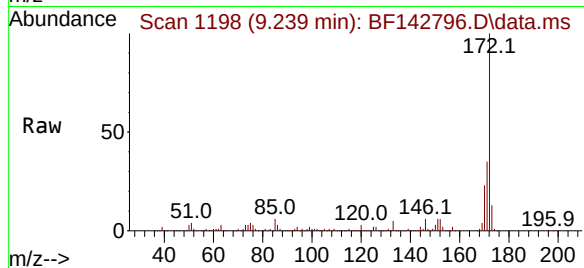
Tgt Ion:172 Resp: 785440

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

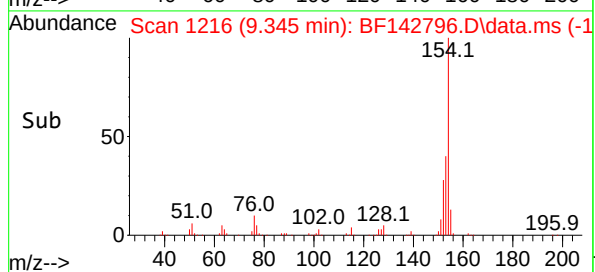
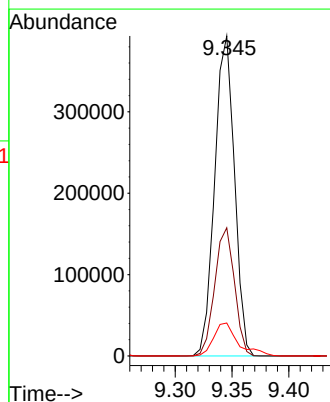
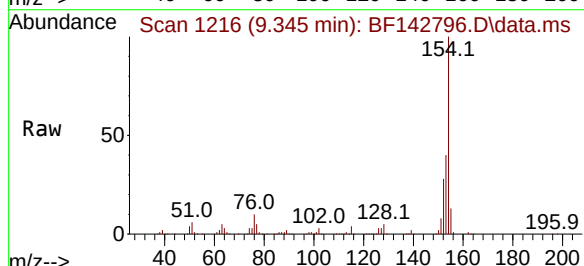
Tgt Ion:154 Resp: 476133

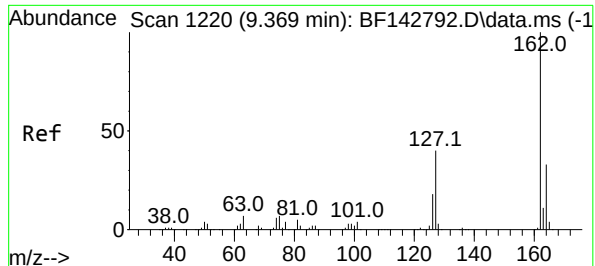
Ion Ratio Lower Upper

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

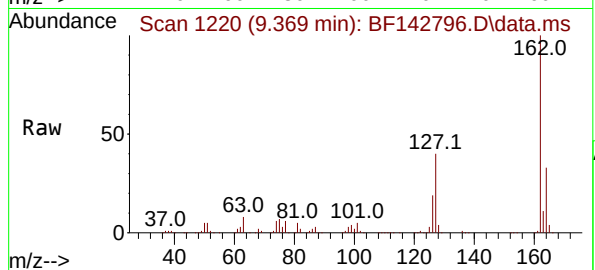
Acq: 19 Jun 2025 21:10

Instrument :

BNA_F

ClientSampleId :

ICVBF061925



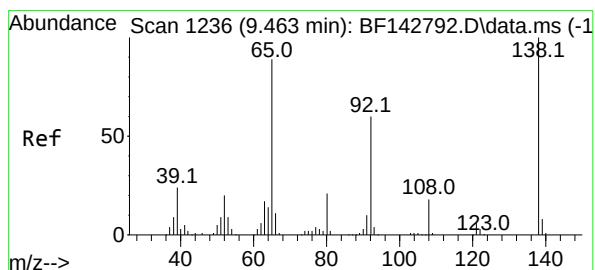
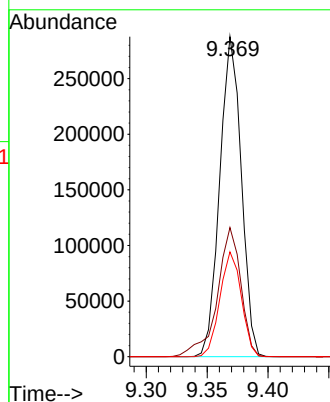
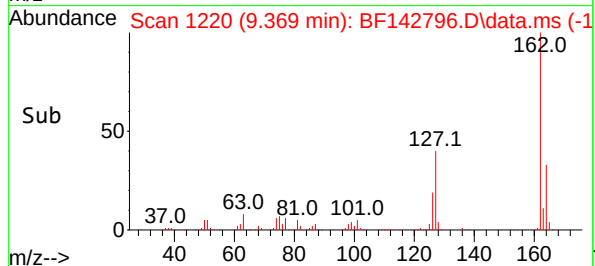
Tgt Ion:162 Resp: 354405

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

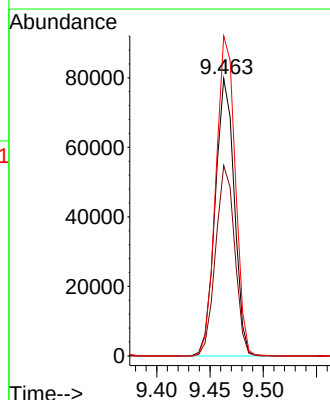
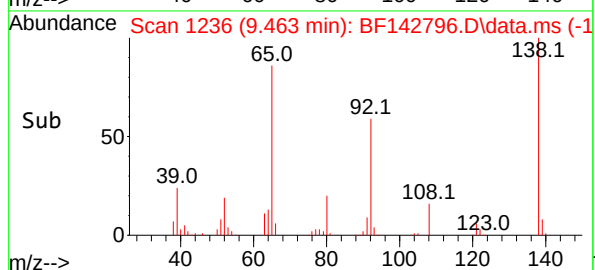
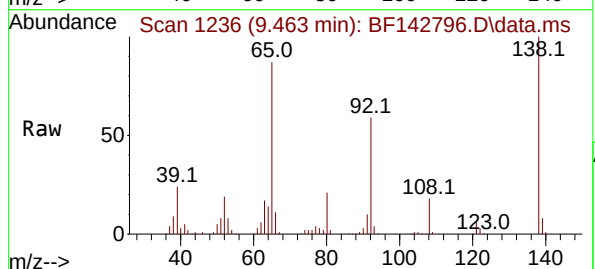
Tgt Ion: 65 Resp: 99137

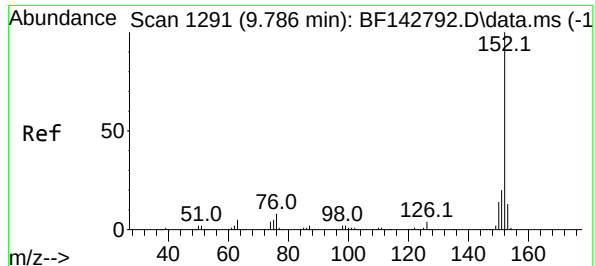
Ion Ratio Lower Upper

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

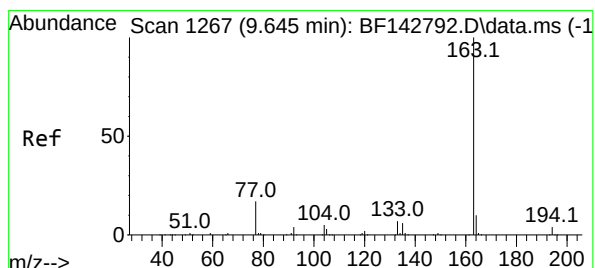
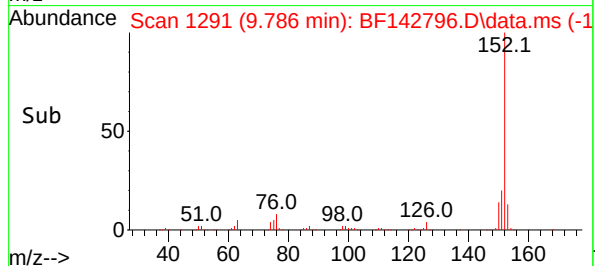
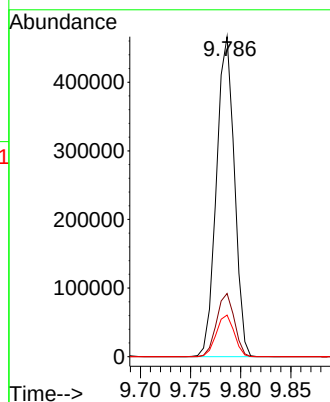
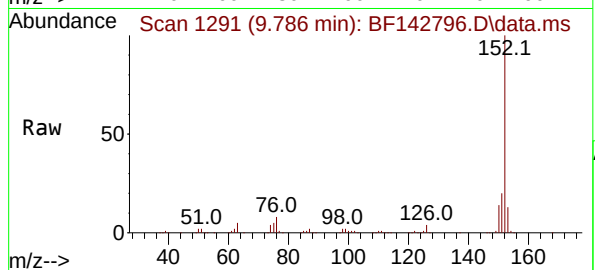
Tgt Ion:152 Resp: 580204

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

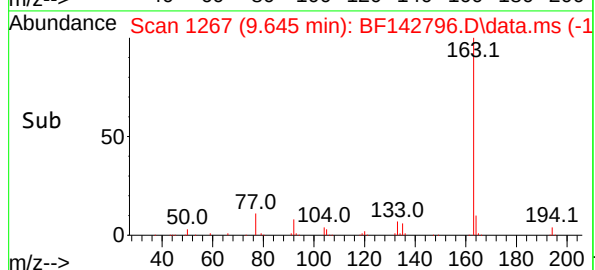
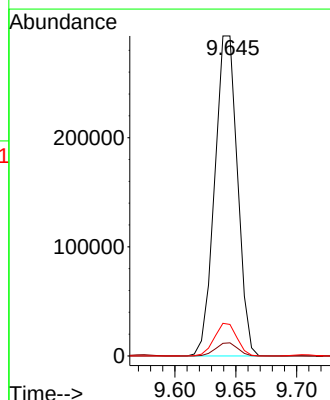
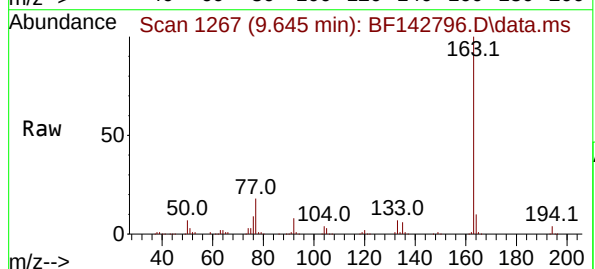
Tgt Ion:163 Resp: 381573

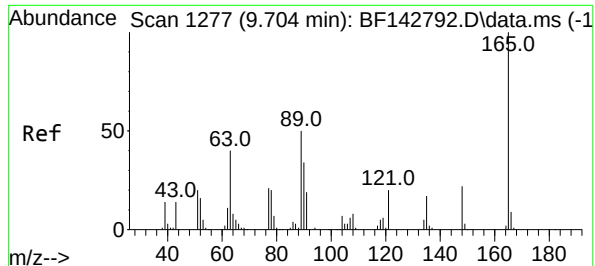
Ion Ratio Lower Upper

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

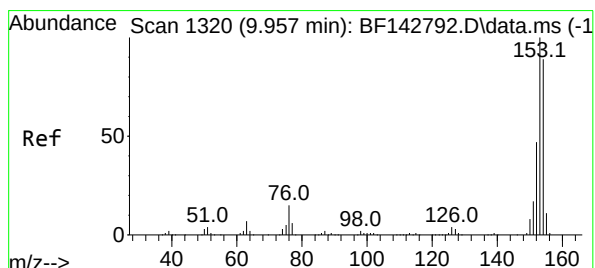
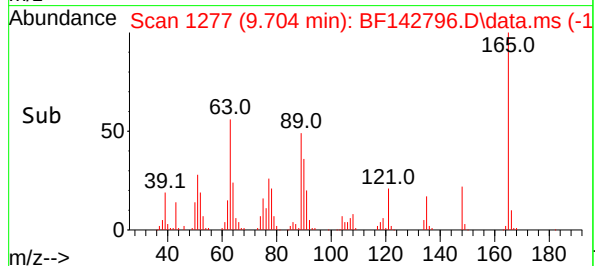
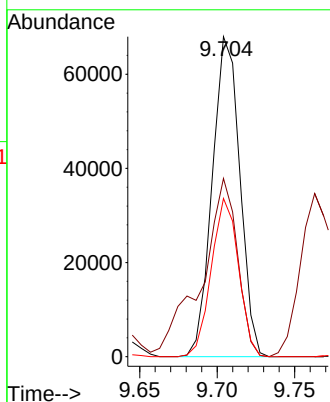
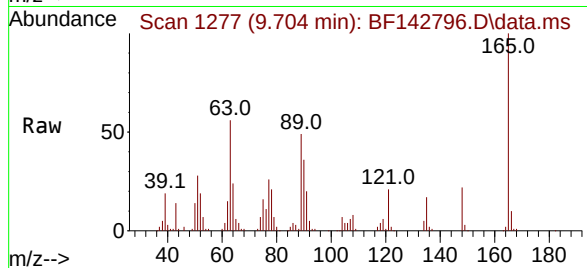
Tgt Ion:165 Resp: 84111

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

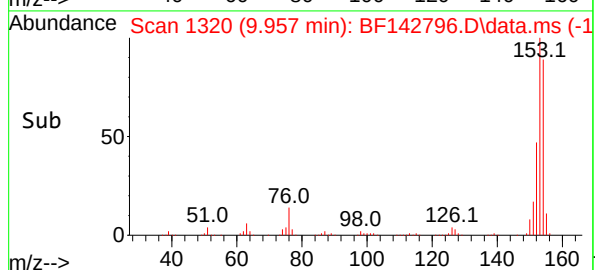
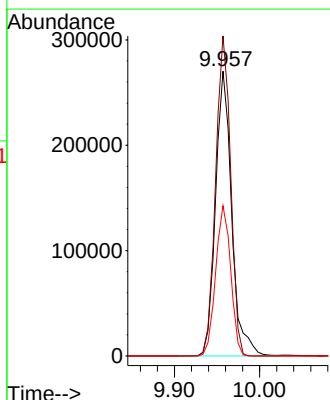
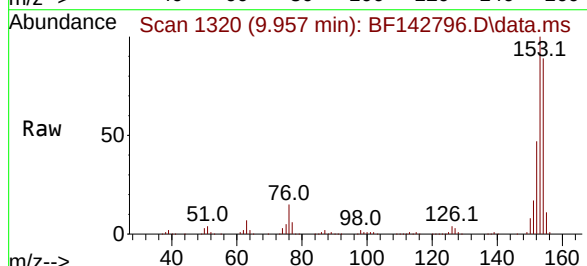
Tgt Ion:154 Resp: 356031

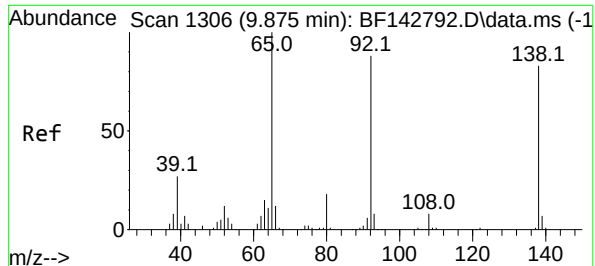
Ion Ratio Lower Upper

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

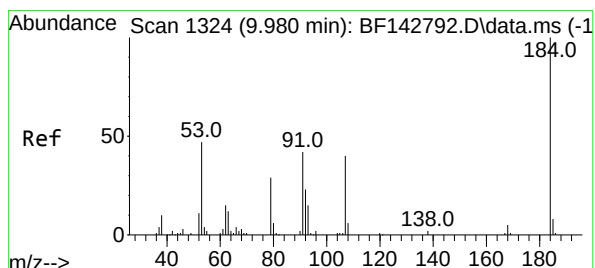
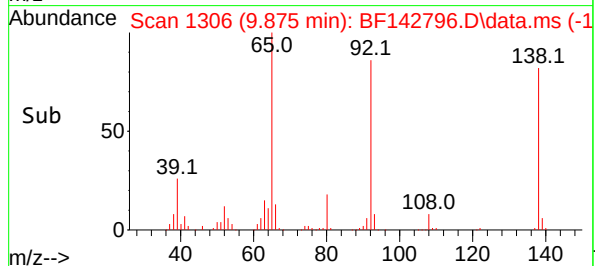
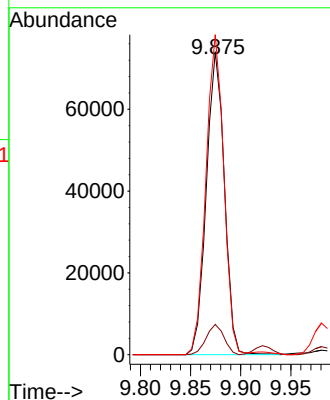
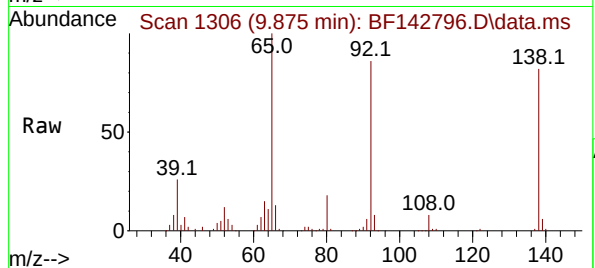
Tgt Ion:138 Resp: 92889

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

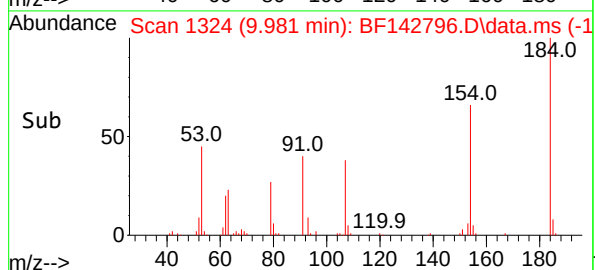
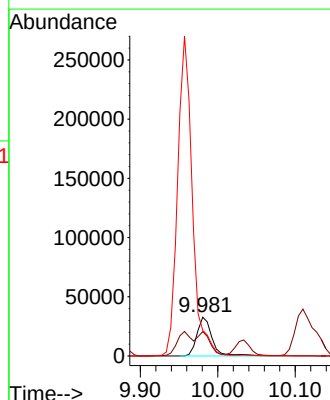
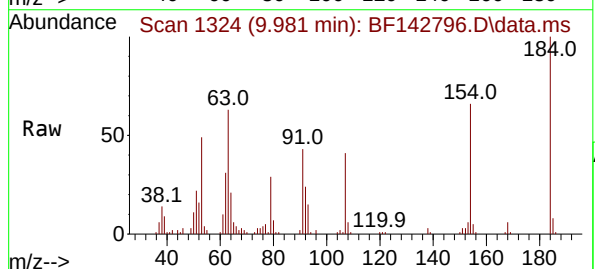
Tgt Ion:184 Resp: 44513

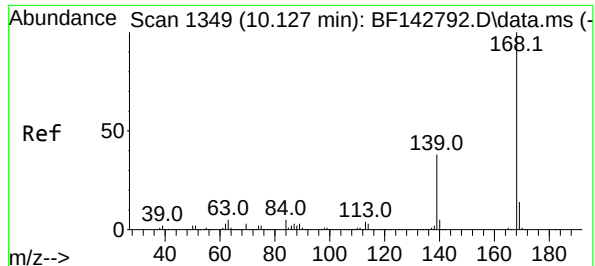
Ion Ratio Lower Upper

184 100

63 62.8 50.6 75.8

154 66.3 51.8 77.8





#55

Dibenzofuran

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

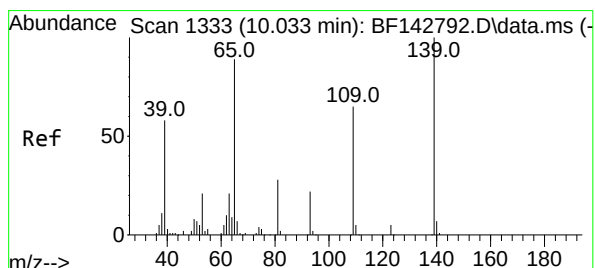
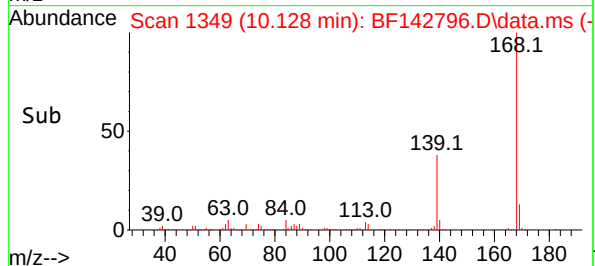
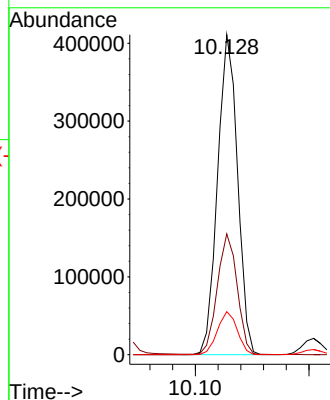
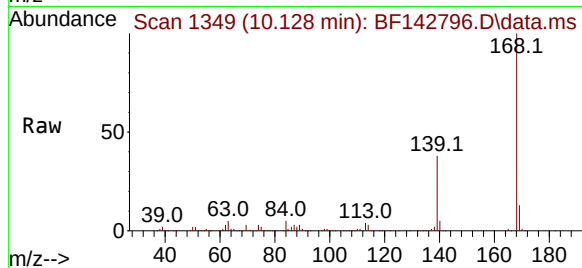
Tgt Ion:168 Resp: 502290

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

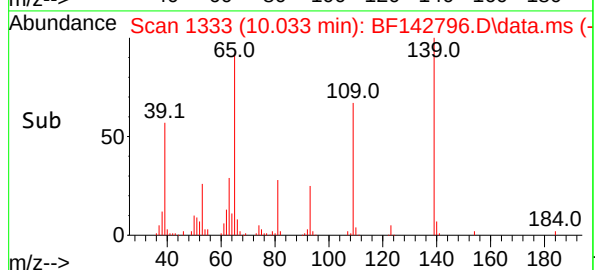
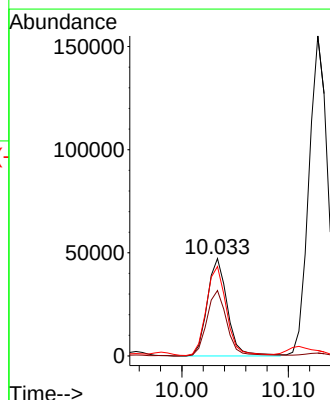
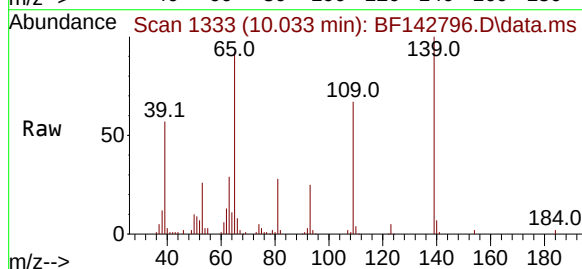
Tgt Ion:139 Resp: 62127

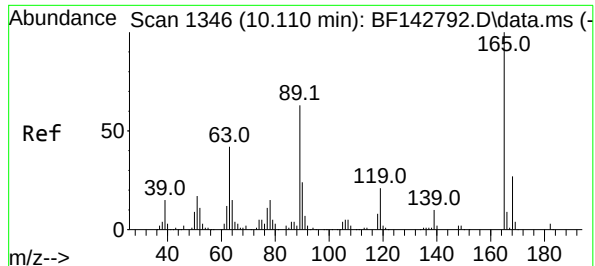
Ion Ratio Lower Upper

139 100

109 67.2 44.7 84.7

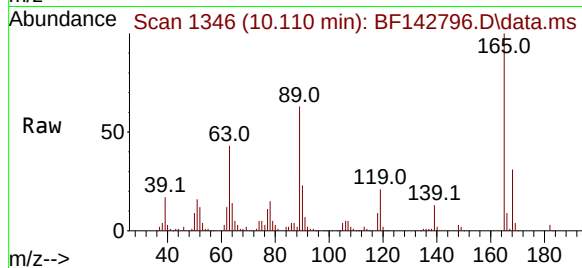
65 91.8 69.8 109.8



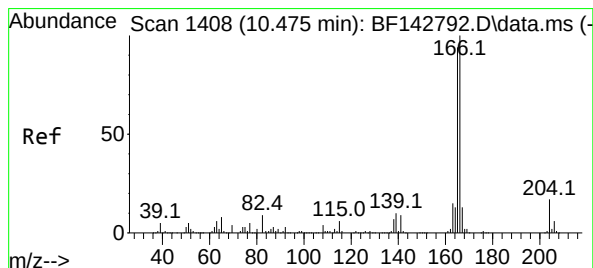
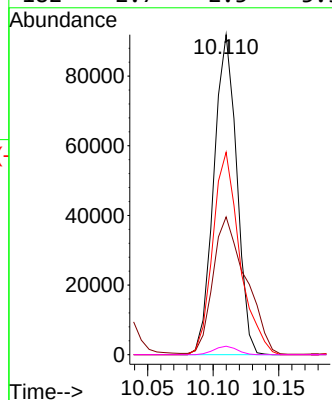
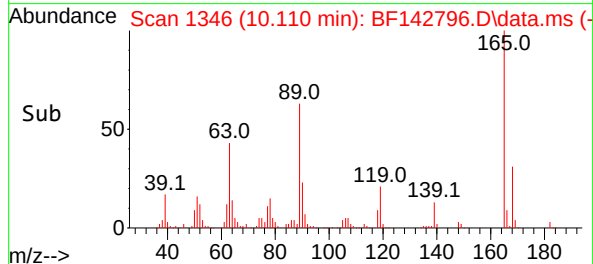


#57
2,4-Dinitrotoluene
Concen: 41.358 ng
RT: 10.110 min Scan# 1346
Delta R.T. 0.000 min
Lab File: BF142796.D
Acq: 19 Jun 2025 21:10

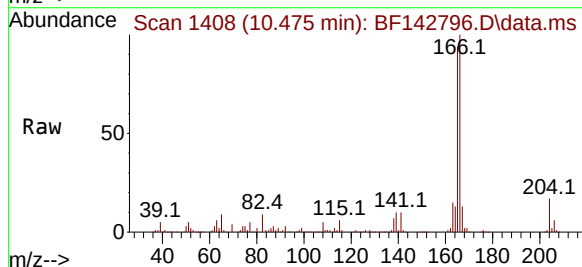
Instrument :
BNA_F
ClientSampleId :
ICVBF061925



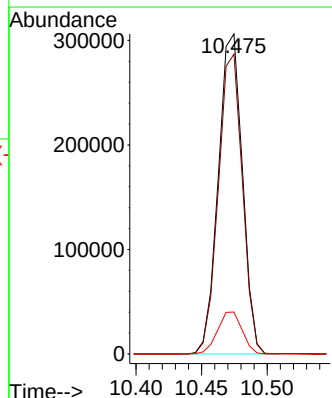
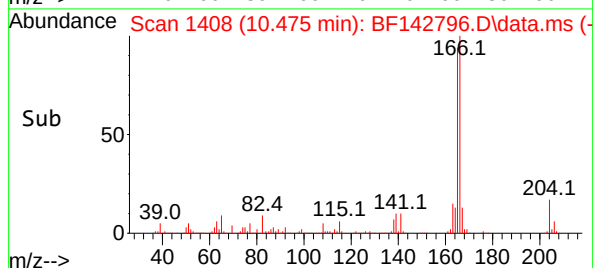
Tgt Ion:165 Resp: 111649
Ion Ratio Lower Upper
165 100
63 43.0 33.9 50.9
89 63.3 50.6 75.8
182 2.7 2.3 3.5

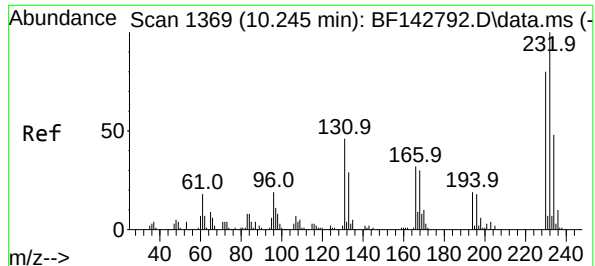


#58
Fluorene
Concen: 41.052 ng
RT: 10.475 min Scan# 1408
Delta R.T. 0.000 min
Lab File: BF142796.D
Acq: 19 Jun 2025 21:10



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

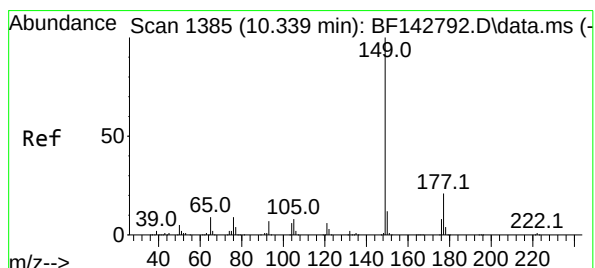
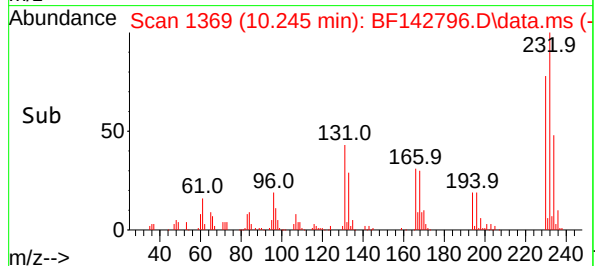
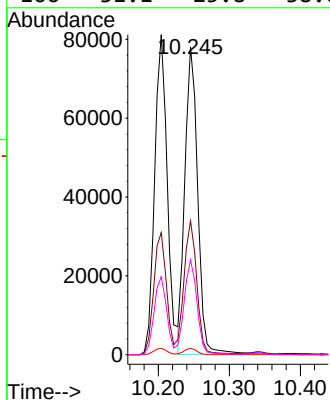
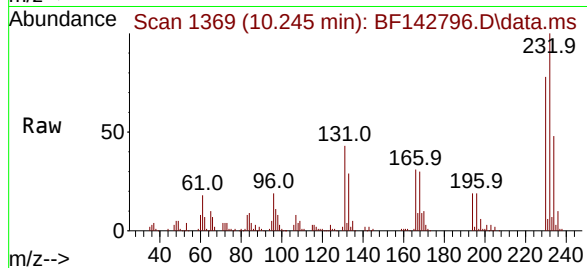




#59
2,3,4,6-Tetrachlorophenol
Concen: 41.857 ng
RT: 10.245 min Scan# 1369
Delta R.T. 0.000 min
Lab File: BF142796.D
Acq: 19 Jun 2025 21:10

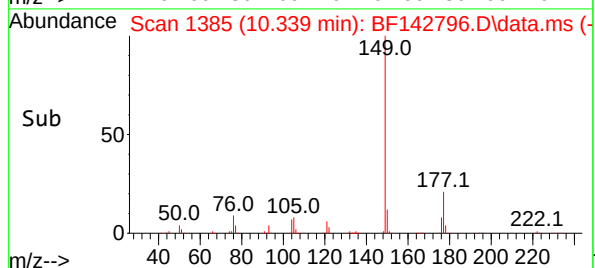
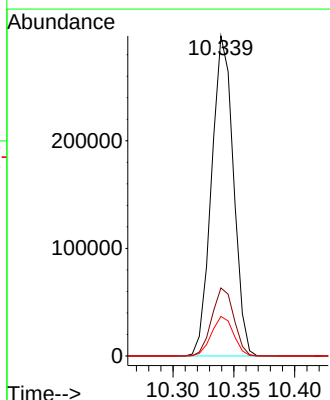
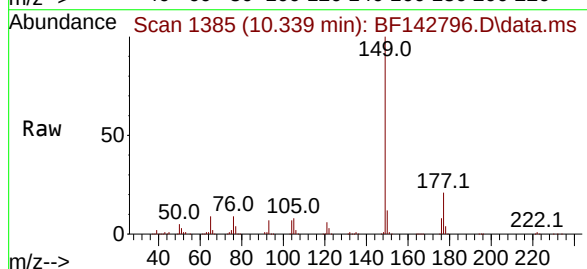
Instrument :
BNA_F
ClientSampleId :
ICVBF061925

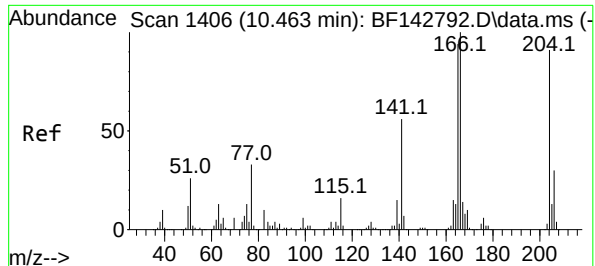
Tgt Ion:232 Resp: 97630
Ion Ratio Lower Upper
232 100
131 44.4 37.6 56.4
130 2.1 1.7 2.5
166 31.1 25.8 38.6



#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

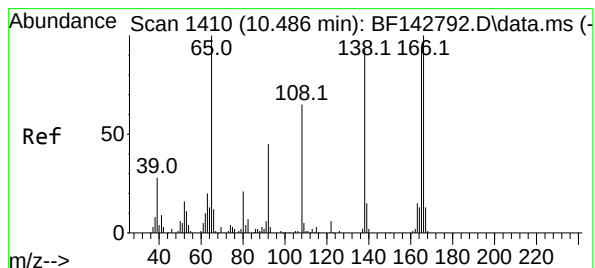
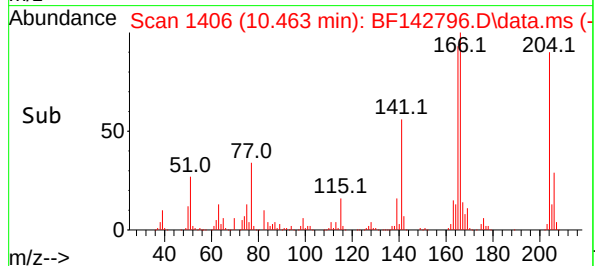
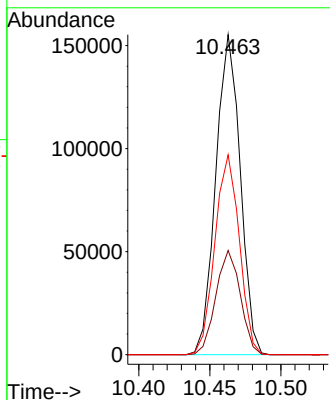
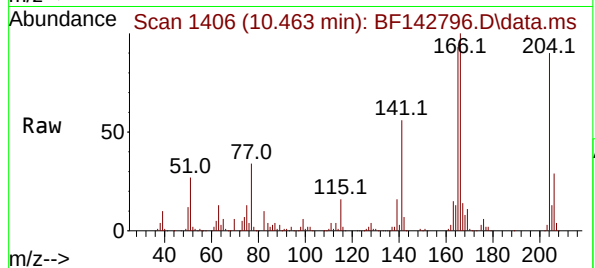




#61
4-Chlorophenyl-phenylether
Concen: 40.862 ng
RT: 10.463 min Scan# 1406
Delta R.T. 0.000 min
Lab File: BF142796.D
Acq: 19 Jun 2025 21:10

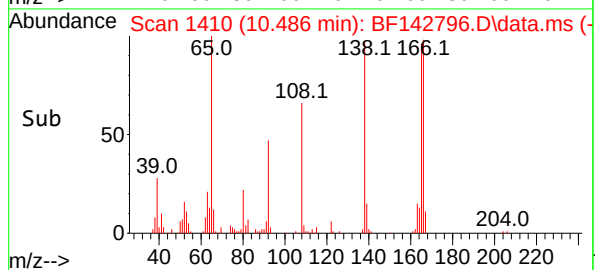
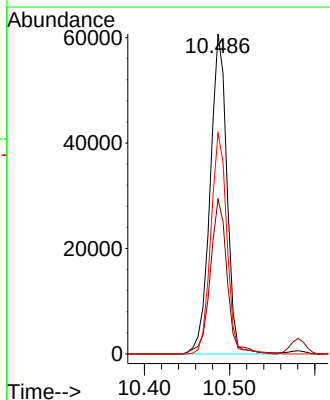
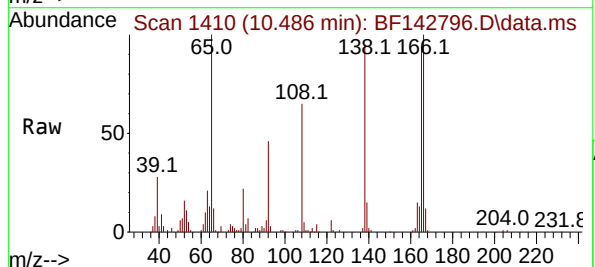
Instrument :
BNA_F
ClientSampleId :
ICVBF061925

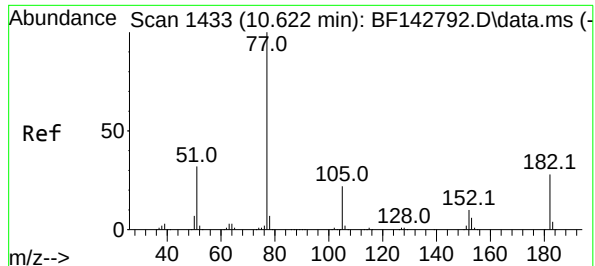
Tgt Ion:204 Resp: 185884
Ion Ratio Lower Upper
204 100
206 32.6 26.3 39.5
141 62.5 49.1 73.7



#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

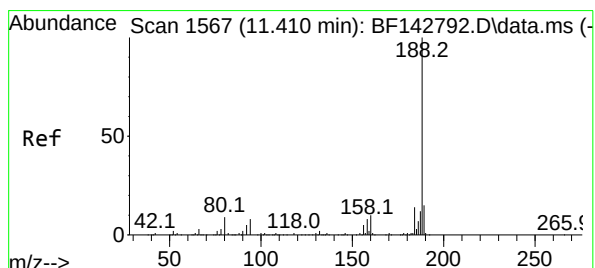
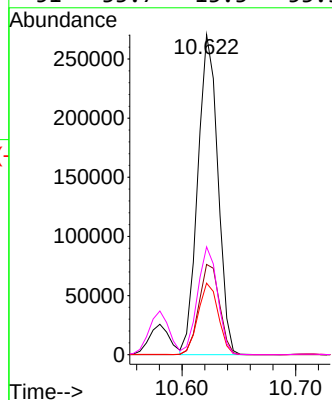
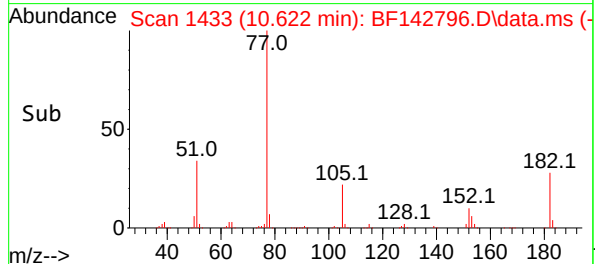
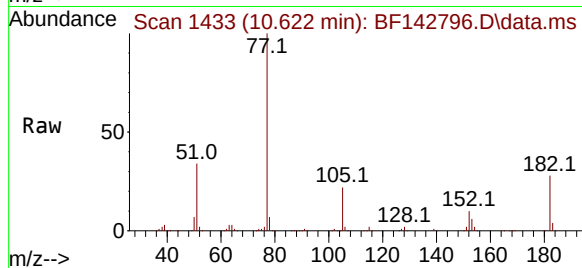




#63
Azobenzene
Concen: 41.025 ng
RT: 10.622 min Scan# 1433
Delta R.T. 0.000 min
Lab File: BF142796.D
Acq: 19 Jun 2025 21:10

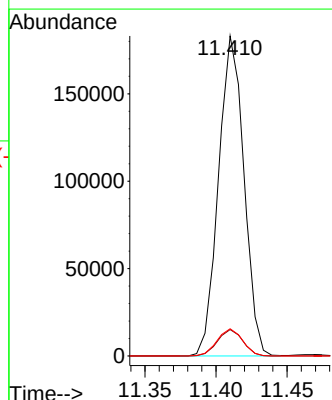
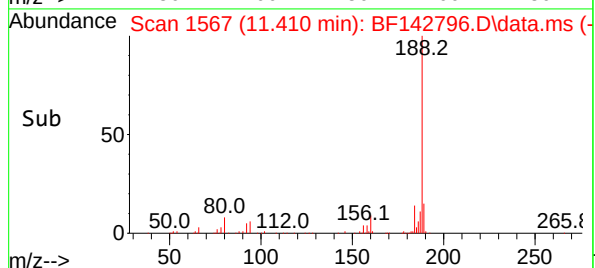
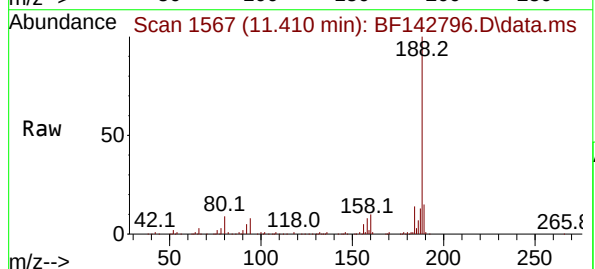
Instrument :
BNA_F
ClientSampleId :
ICVBF061925

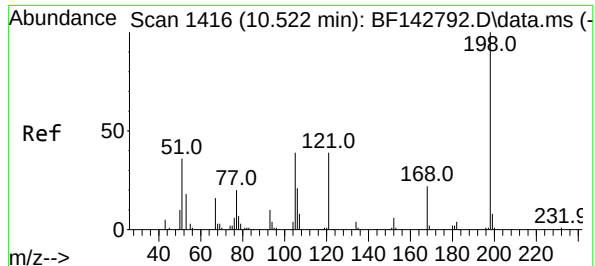
Tgt Ion:	77	Resp:	332701
Ion	Ratio	Lower	Upper
77	100		
182	28.2	7.7	47.7
105	22.4	1.9	41.9
51	33.7	13.3	53.3



#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

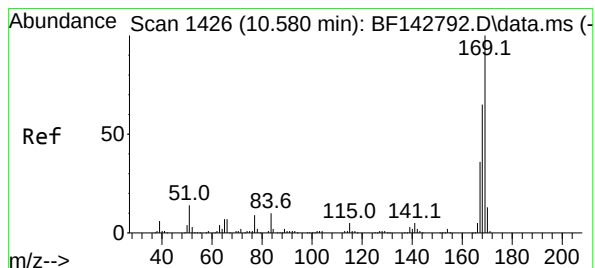
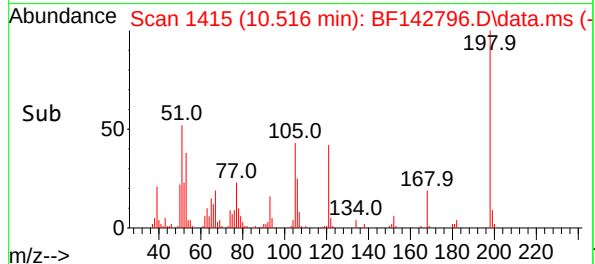
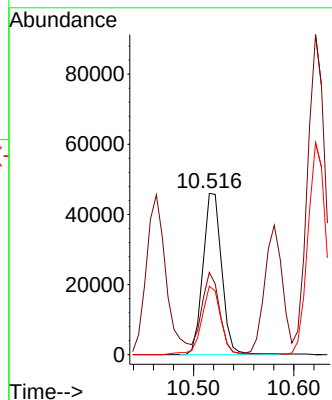
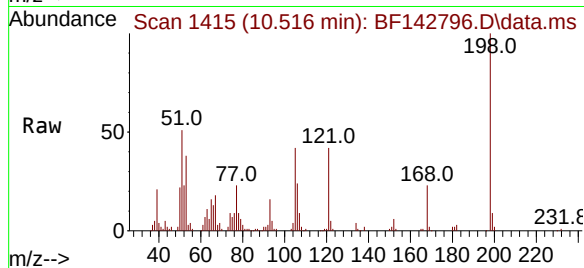




#65
4,6-Dinitro-2-methylphenol
Concen: 43.341 ng
RT: 10.516 min Scan# 1416
Delta R.T. -0.006 min
Lab File: BF142796.D
Acq: 19 Jun 2025 21:10

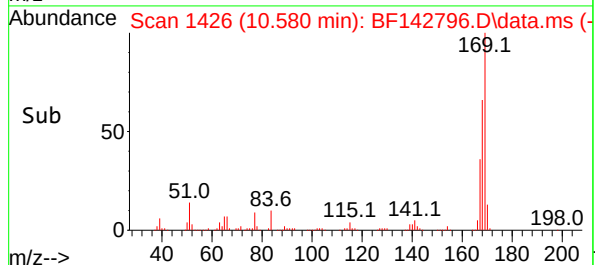
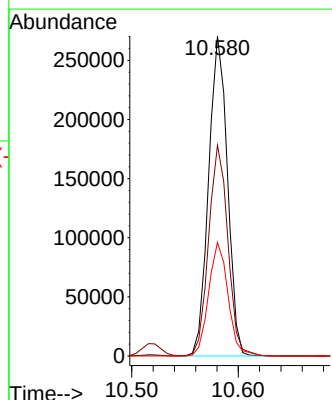
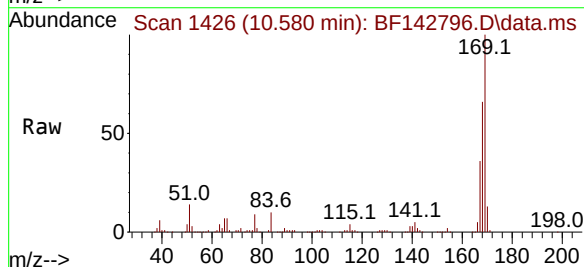
Instrument :
BNA_F
ClientSampleId :
ICVBF061925

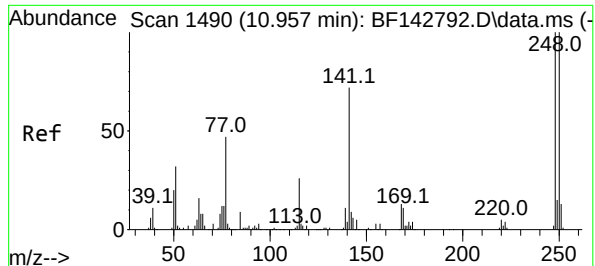
Tgt Ion:198 Resp: 59797
Ion Ratio Lower Upper
198 100
51 51.0 25.4 65.4
105 42.5 20.4 60.4



#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

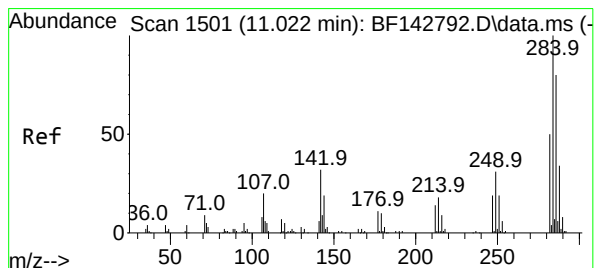
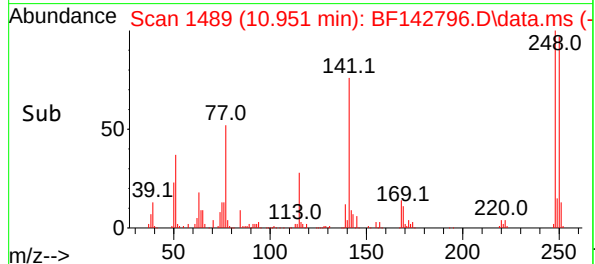
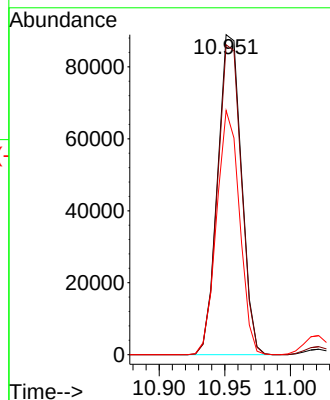
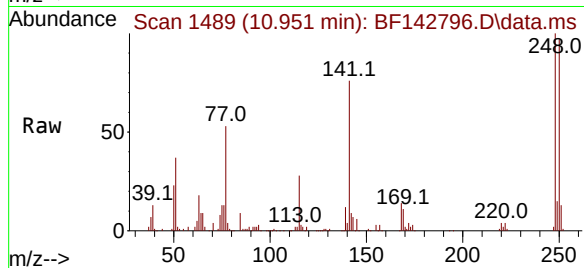




#67
4-Bromophenyl-phenylether
Concen: 43.376 ng
RT: 10.951 min Scan# 1490
Delta R.T. -0.006 min
Lab File: BF142796.D
Acq: 19 Jun 2025 21:10

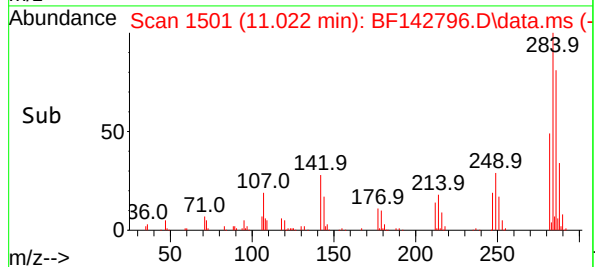
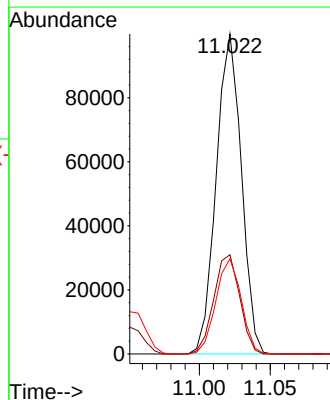
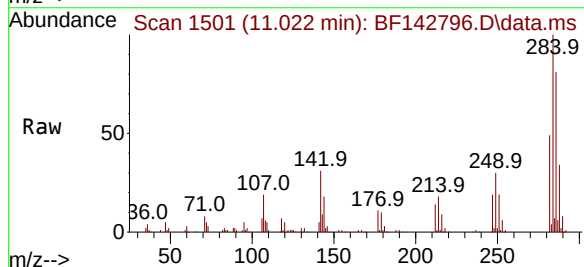
Instrument :
BNA_F
ClientSampleId :
ICVBF061925

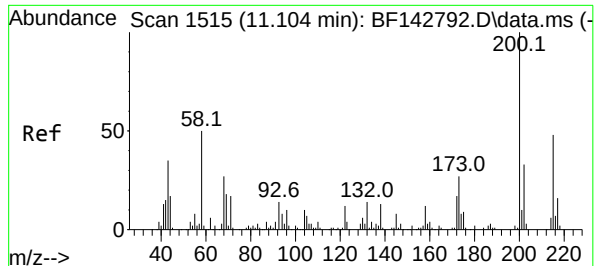
Tgt Ion:248 Resp: 112604
Ion Ratio Lower Upper
248 100
250 96.8 79.8 119.8
141 76.3 57.8 86.6



#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

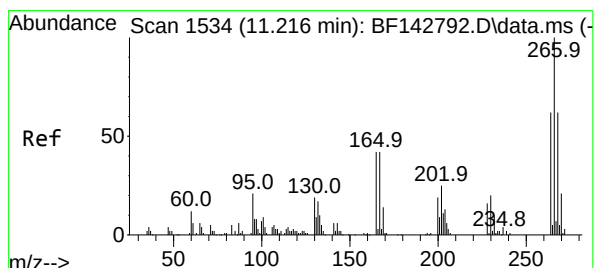
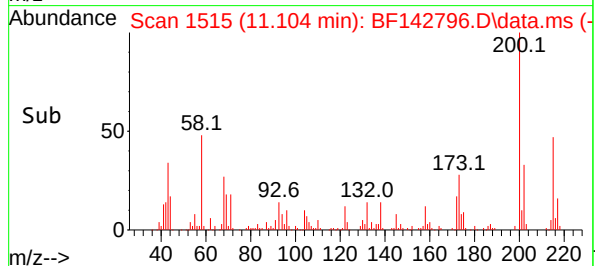
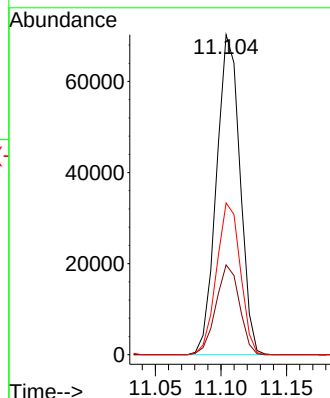
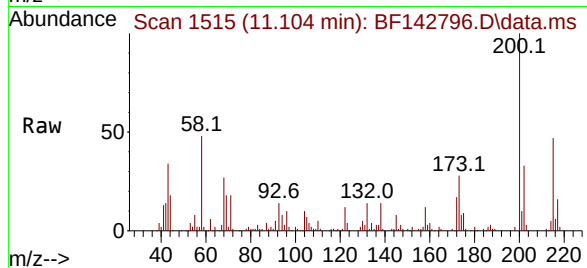
Tgt Ion:200 Resp: 87455

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

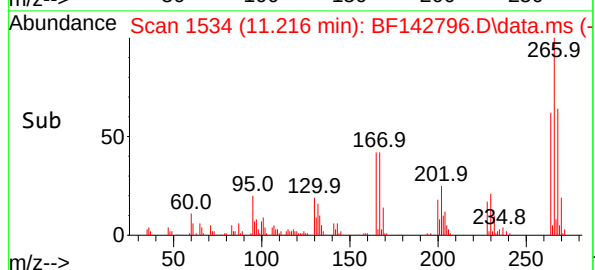
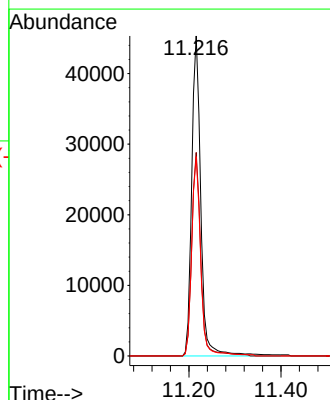
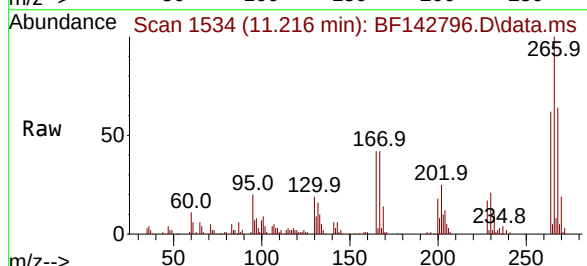
Tgt Ion:266 Resp: 62292

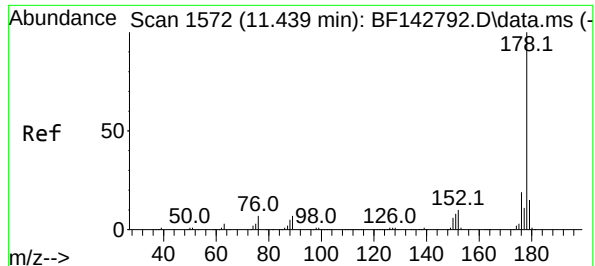
Ion Ratio Lower Upper

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

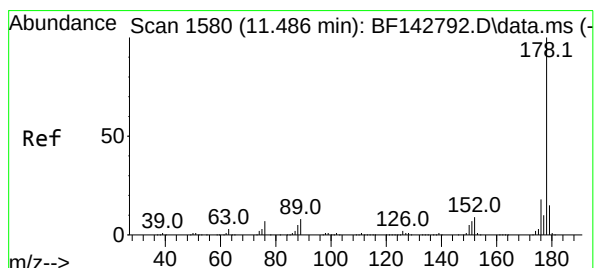
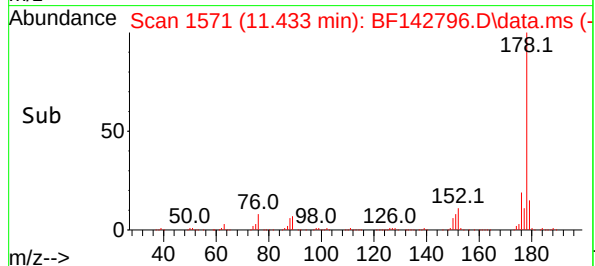
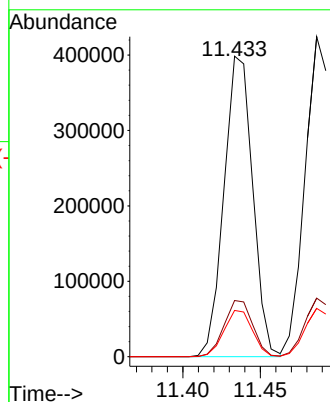
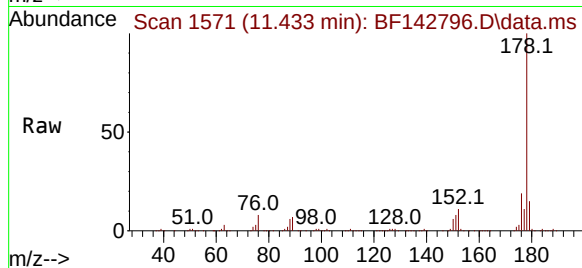
Tgt Ion:178 Resp: 514049

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

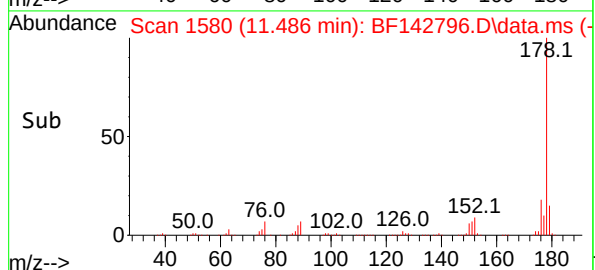
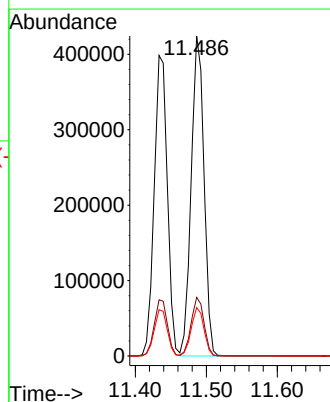
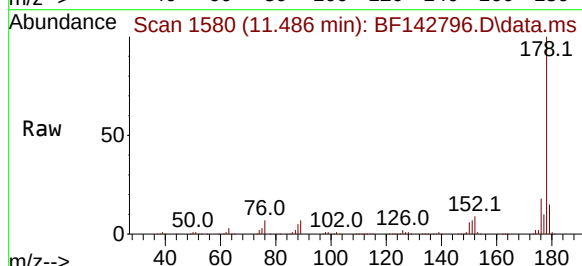
Tgt Ion:178 Resp: 532397

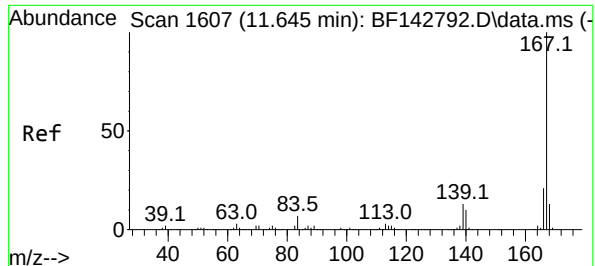
Ion Ratio Lower Upper

178 100

176 18.3 14.6 21.8

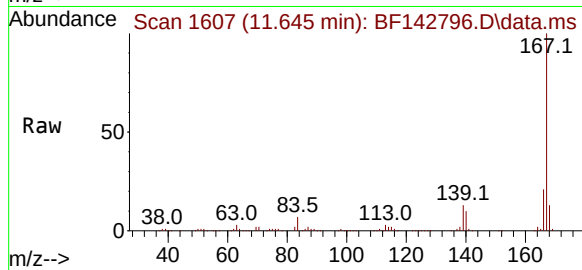
179 15.1 12.4 18.6



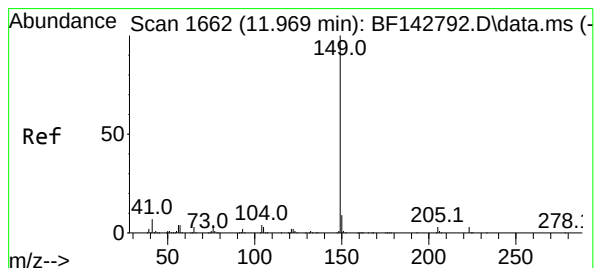
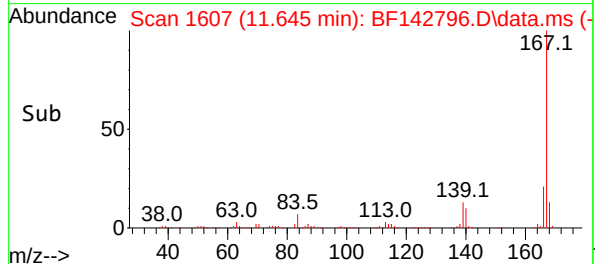
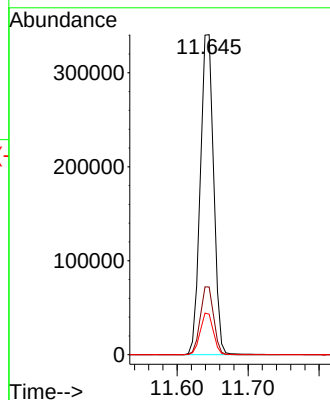


#73
Carbazole
Concen: 40.858 ng
RT: 11.645 min Scan# 1607
Delta R.T. 0.000 min
Lab File: BF142796.D
Acq: 19 Jun 2025 21:10

Instrument :
BNA_F
ClientSampleId :
ICVBF061925

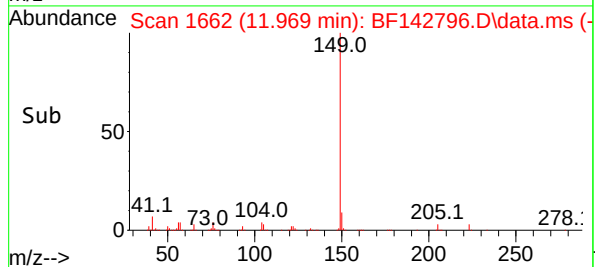
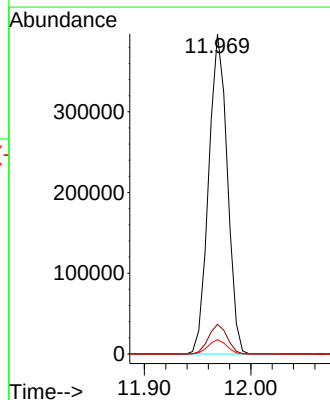
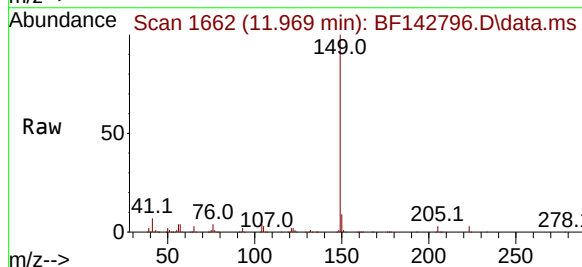


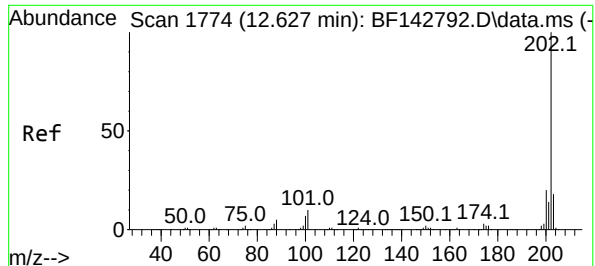
Tgt Ion:167 Resp: 446814
Ion Ratio Lower Upper
167 100
166 21.2 17.0 25.4
139 12.7 10.2 15.2



#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

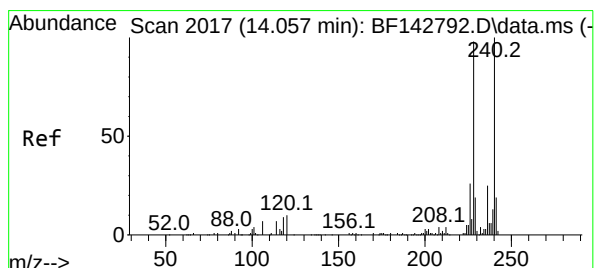
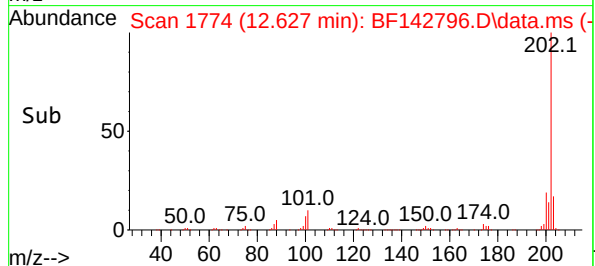
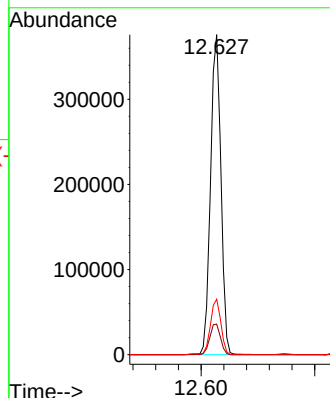
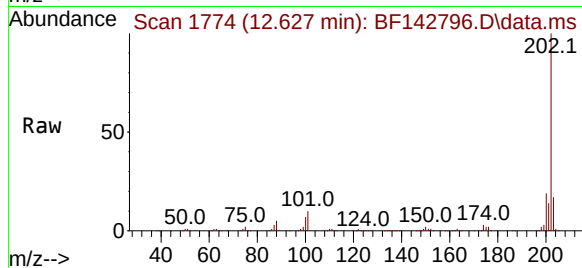




#75
Fluoranthene
Concen: 40.372 ng
RT: 12.627 min Scan# 1774
Delta R.T. 0.000 min
Lab File: BF142796.D
Acq: 19 Jun 2025 21:10

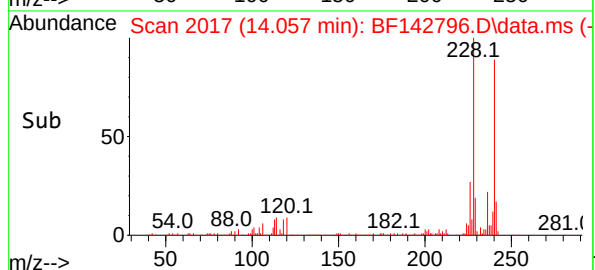
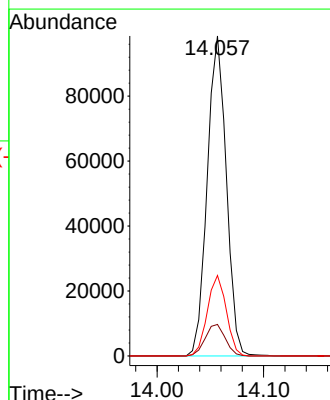
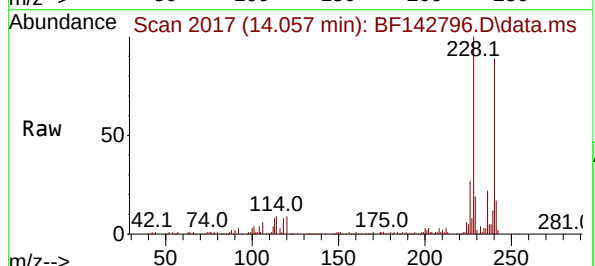
Instrument :
BNA_F
ClientSampleId :
ICVBF061925

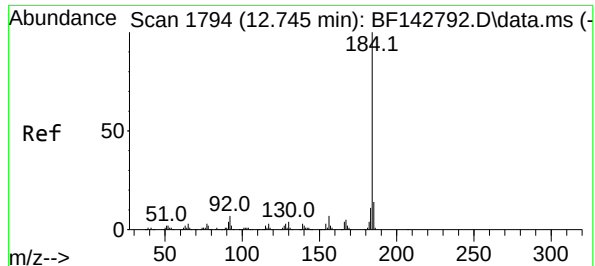
Tgt Ion	Ratio	Lower	Upper
202	100		
101	9.6	0.0	29.7
203	17.3	0.0	37.5



#76
Chrysene-d12
Concen: 20.000 ng
RT: 14.057 min Scan# 1717
Delta R.T. 0.000 min
Lab File: BF142796.D
Acq: 19 Jun 2025 21:10

Tgt Ion	Ratio	Lower	Upper
240	100		
120	9.8	8.2	12.2
236	25.2	19.8	29.8

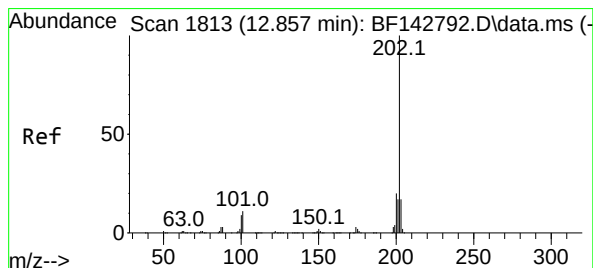
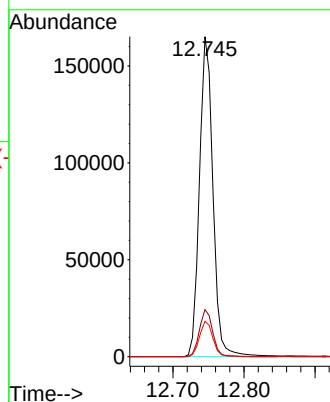
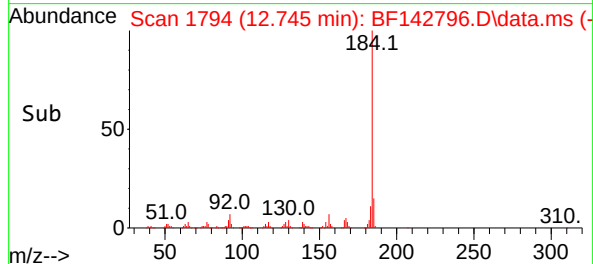
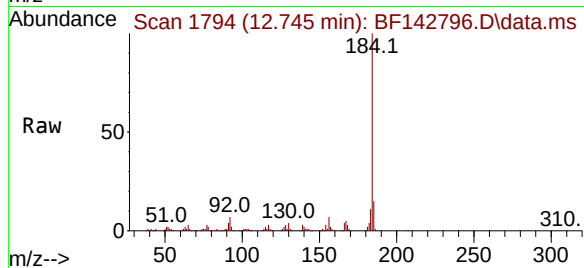




#77
Benzidine
Concen: 47.530 ng
RT: 12.745 min Scan# 1794
Delta R.T. 0.000 min
Lab File: BF142796.D
Acq: 19 Jun 2025 21:10

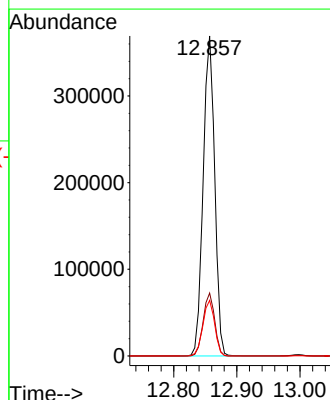
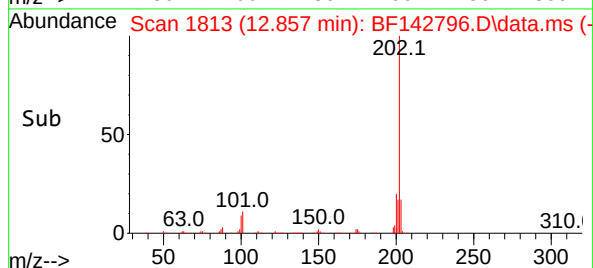
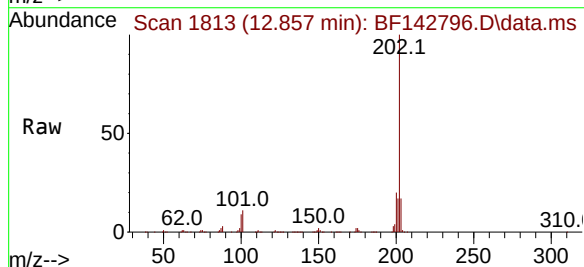
Instrument :
BNA_F
ClientSampleId :
ICVBF061925

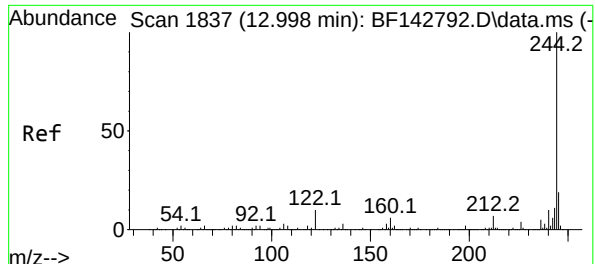
Tgt Ion:184 Resp: 218884
Ion Ratio Lower Upper
184 100
185 14.7 11.5 17.3
183 11.0 9.0 13.4



#78
Pyrene
Concen: 40.794 ng
RT: 12.857 min Scan# 1813
Delta R.T. 0.000 min
Lab File: BF142796.D
Acq: 19 Jun 2025 21:10

Tgt Ion:202 Resp: 468692
Ion Ratio Lower Upper
202 100
200 19.7 15.7 23.5
203 17.4 13.8 20.6





#79

Terphenyl-d14

Concen: 70.839 ng

RT: 12.998 min Scan# 1837

Delta R.T. -0.000 min

Lab File: BF142796.D

Acq: 19 Jun 2025 21:10

Instrument :

BNA_F

ClientSampleId :

ICVBF061925

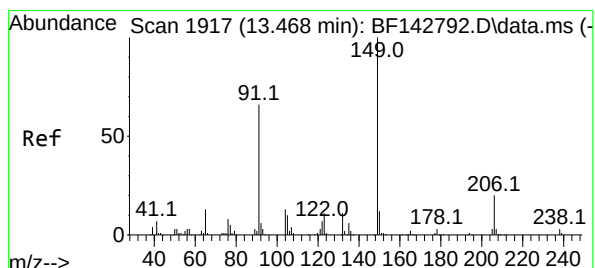
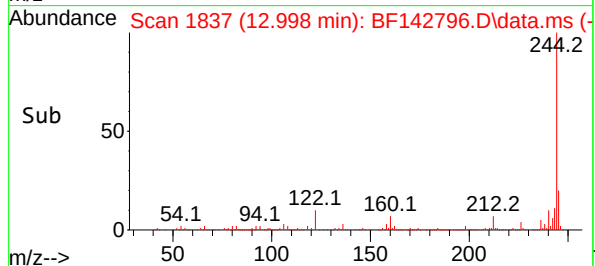
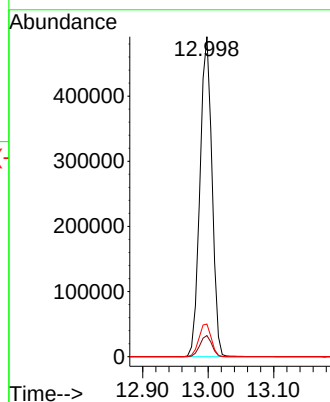
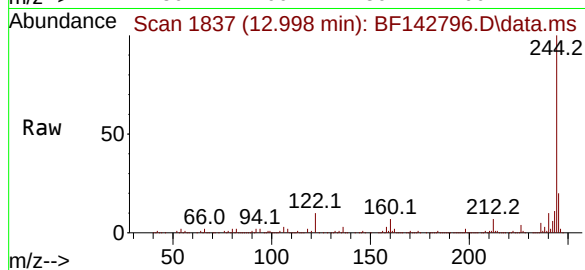
Tgt Ion:244 Resp: 628420

Ion Ratio Lower Upper

244 100

212 6.6 5.4 8.0

122 10.2 8.2 12.2



#80

Butylbenzylphthalate

Concen: 46.431 ng

RT: 13.469 min Scan# 1917

Delta R.T. 0.000 min

Lab File: BF142796.D

Acq: 19 Jun 2025 21:10

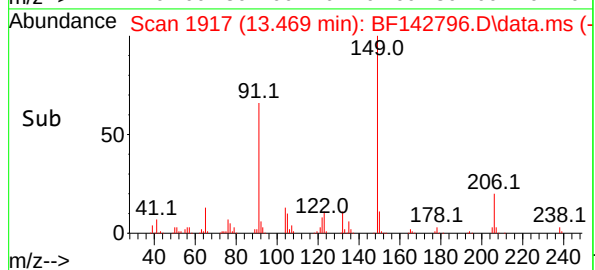
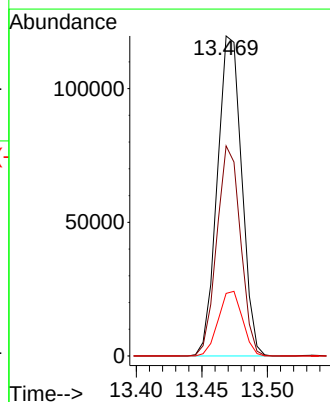
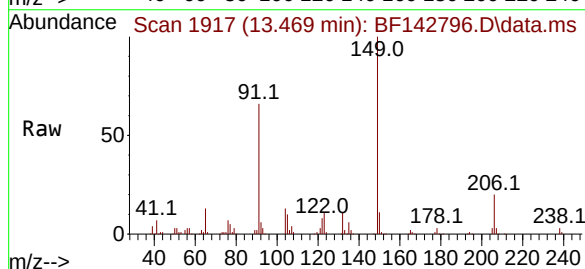
Tgt Ion:149 Resp: 154743

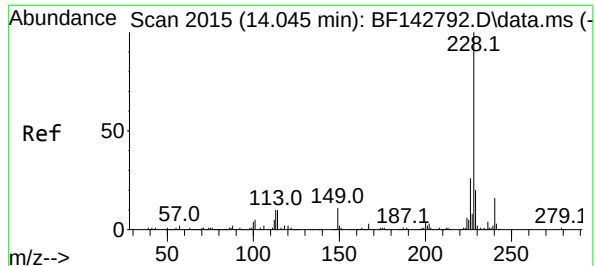
Ion Ratio Lower Upper

149 100

91 65.7 52.9 79.3

206 19.6 16.3 24.5

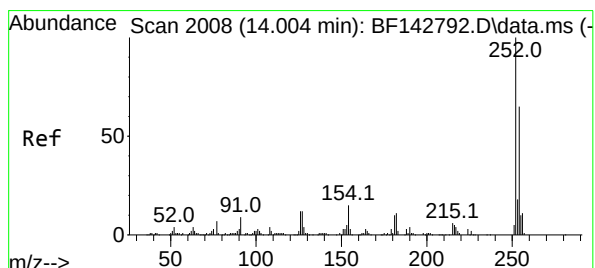
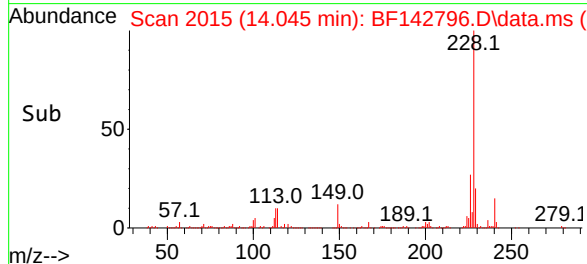
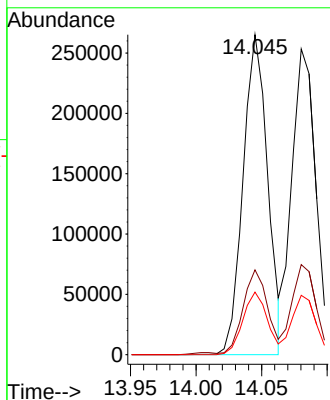
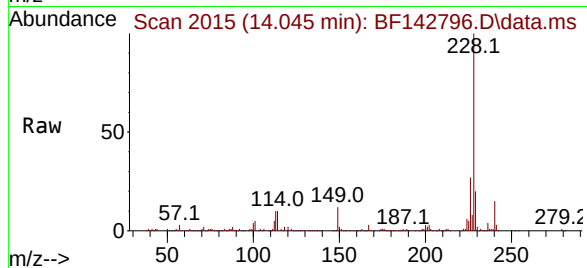




#81
Benzo(a)anthracene
Concen: 41.868 ng
RT: 14.045 min Scan# 2015
Delta R.T. 0.000 min
Lab File: BF142796.D
Acq: 19 Jun 2025 21:10

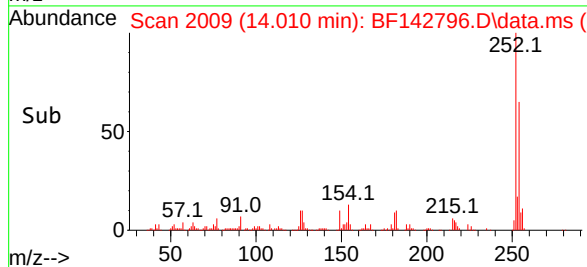
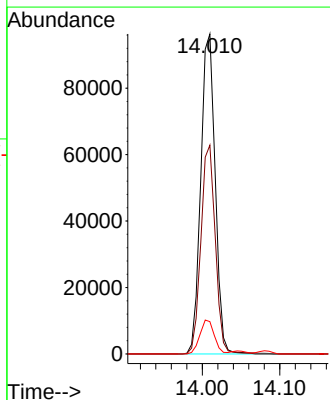
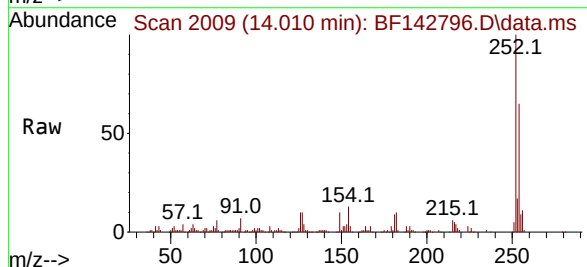
Instrument :
BNA_F
ClientSampleId :
ICVBF061925

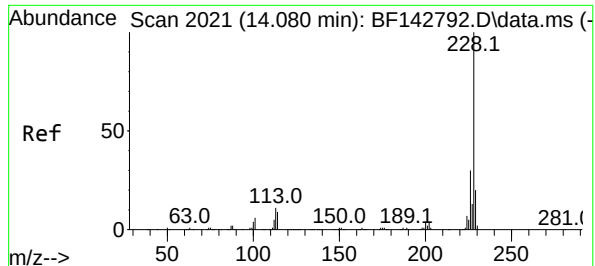
Tgt Ion:228 Resp: 346202
Ion Ratio Lower Upper
228 100
226 26.5 21.2 31.8
229 19.6 15.6 23.4



#82
3,3'-Dichlorobenzidine
Concen: 46.521 ng
RT: 14.010 min Scan# 2009
Delta R.T. 0.006 min
Lab File: BF142796.D
Acq: 19 Jun 2025 21:10

Tgt Ion:252 Resp: 124771
Ion Ratio Lower Upper
252 100
254 65.2 51.7 77.5
126 10.1 9.4 14.2





#83

Chrysene

Concen: 43.637 ng

RT: 14.080 min Scan# 2021

Delta R.T. 0.000 min

Lab File: BF142796.D

Acq: 19 Jun 2025 21:10

Instrument :

BNA_F

ClientSampleId :

ICVBF061925

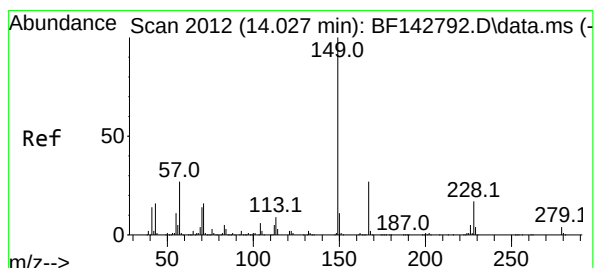
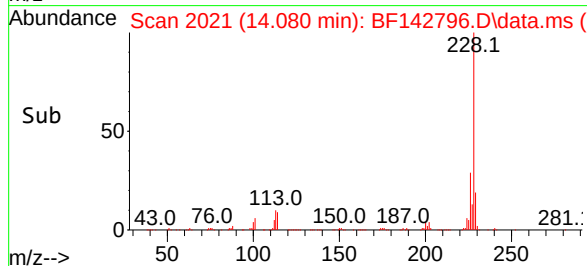
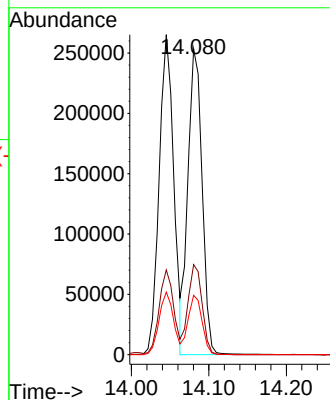
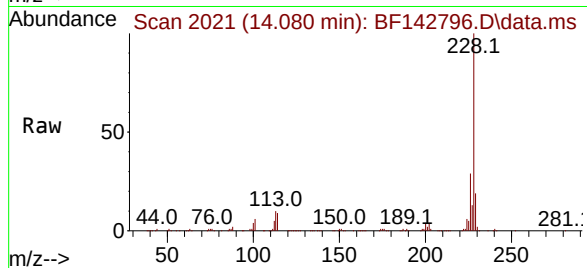
Tgt Ion:228 Resp: 321976

Ion Ratio Lower Upper

228 100

226 29.5 23.7 35.5

229 19.4 15.7 23.5



#84

Bis(2-ethylhexyl)phthalate

Concen: 47.976 ng

RT: 14.027 min Scan# 2012

Delta R.T. 0.000 min

Lab File: BF142796.D

Acq: 19 Jun 2025 21:10

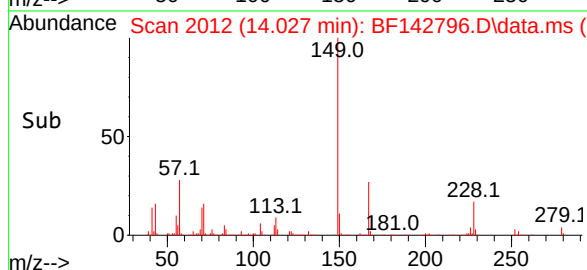
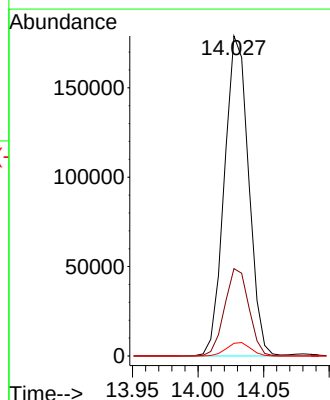
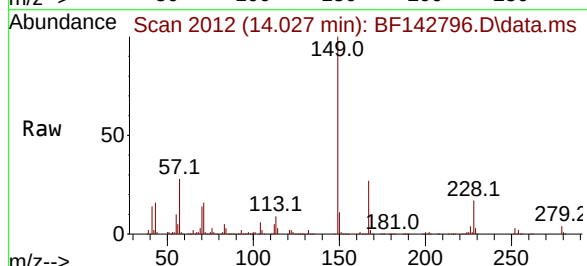
Tgt Ion:149 Resp: 230046

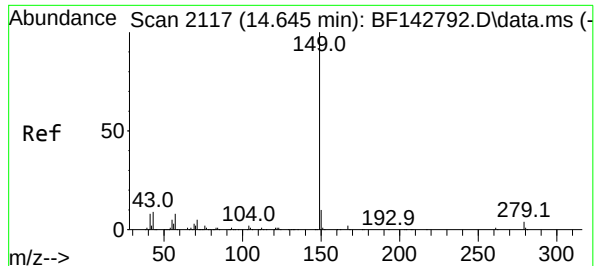
Ion Ratio Lower Upper

149 100

167 27.3 21.4 32.0

279 4.0 3.0 4.6

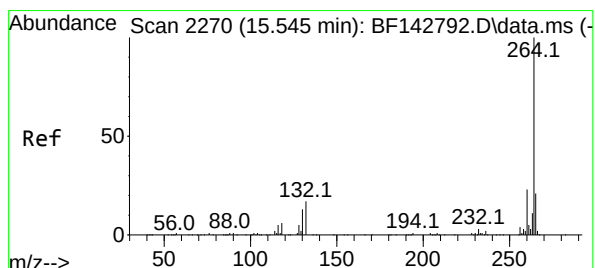
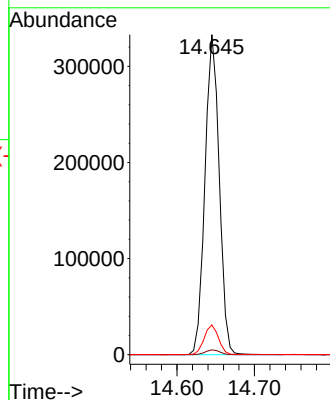
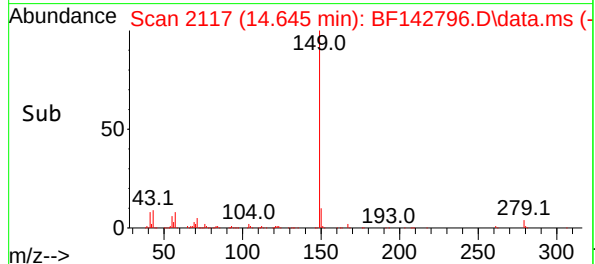
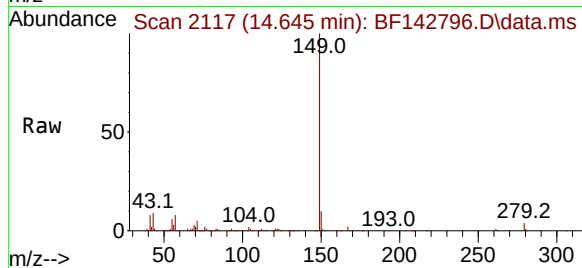




#85
Di-n-octyl phthalate
Concen: 47.026 ng
RT: 14.645 min Scan# 2117
Delta R.T. 0.000 min
Lab File: BF142796.D
Acq: 19 Jun 2025 21:10

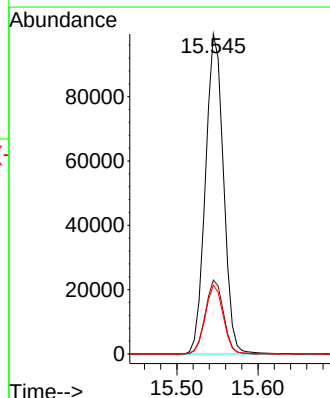
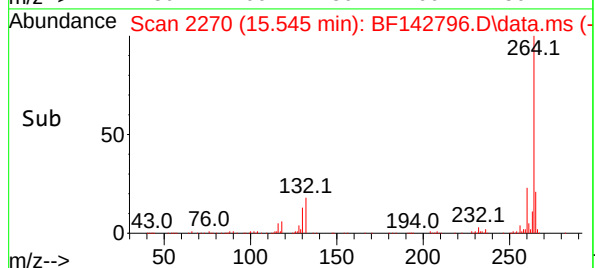
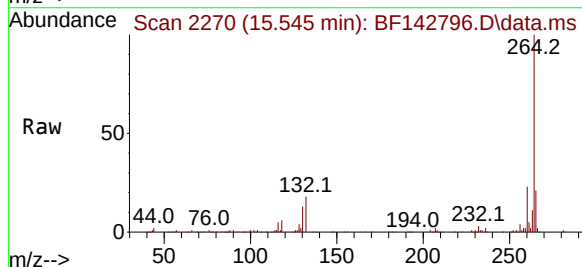
Instrument :
BNA_F
ClientSampleId :
ICVBF061925

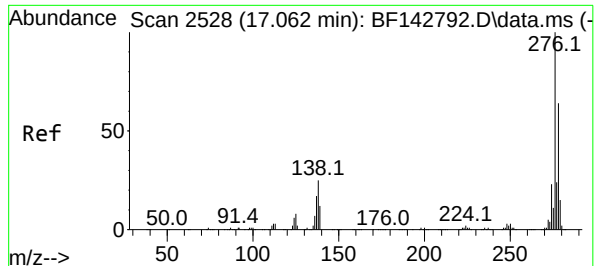
Tgt Ion:149 Resp: 425193
Ion Ratio Lower Upper
149 100
167 1.5 1.3 1.9
43 9.2 7.6 11.4



#86
Perylene-d12
Concen: 20.000 ng
RT: 15.545 min Scan# 2270
Delta R.T. 0.000 min
Lab File: BF142796.D
Acq: 19 Jun 2025 21:10

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

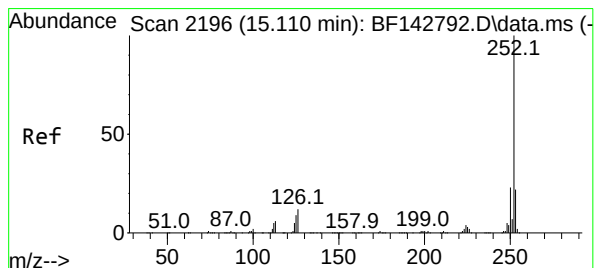
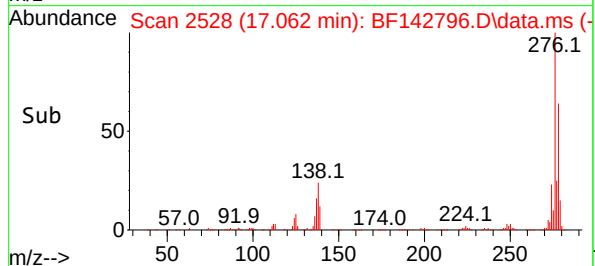
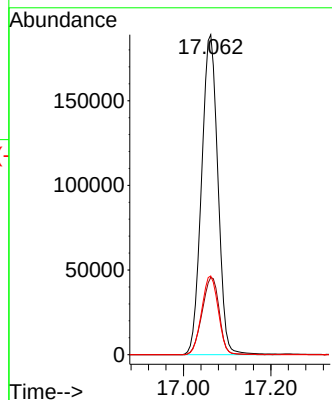
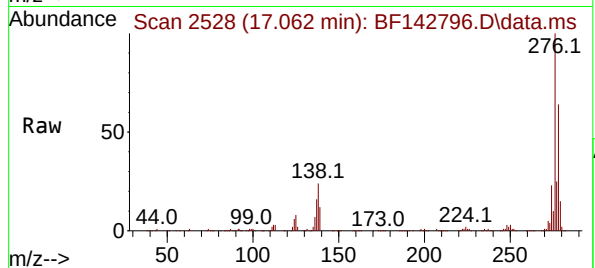




#87
Indeno(1,2,3-cd)pyrene
Concen: 42.060 ng
RT: 17.062 min Scan# 2528
Delta R.T. 0.000 min
Lab File: BF142796.D
Acq: 19 Jun 2025 21:10

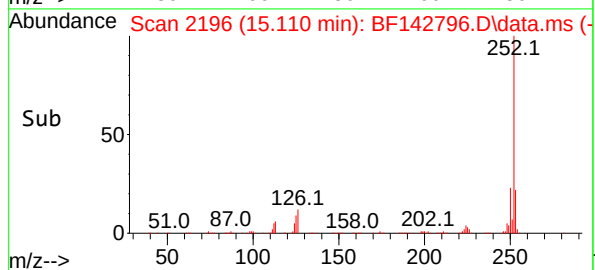
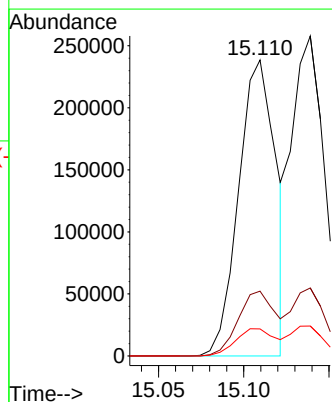
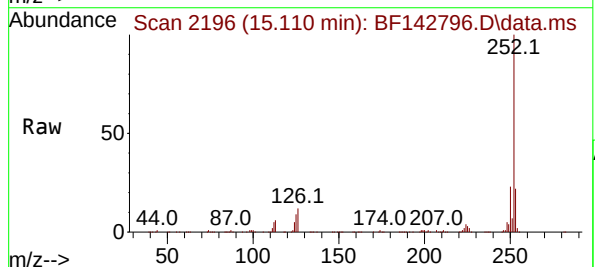
Instrument :
BNA_F
ClientSampleId :
ICVBF061925

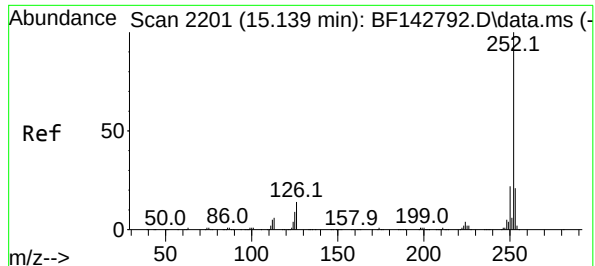
Tgt Ion:276 Resp: 491326
Ion Ratio Lower Upper
276 100
138 25.3 20.2 30.4
277 25.1 19.8 29.6



#88
Benzo(b)fluoranthene
Concen: 40.801 ng
RT: 15.110 min Scan# 2196
Delta R.T. 0.000 min
Lab File: BF142796.D
Acq: 19 Jun 2025 21:10

Tgt Ion:252 Resp: 362077
Ion Ratio Lower Upper
252 100
253 21.9 17.5 26.3
125 9.1 7.4 11.0





#89

Benzo(k)fluoranthene

Concen: 41.800 ng

RT: 15.139 min Scan# 2201

Delta R.T. 0.000 min

Lab File: BF142796.D

Acq: 19 Jun 2025 21:10

Instrument :

BNA_F

ClientSampleId :

ICVBF061925

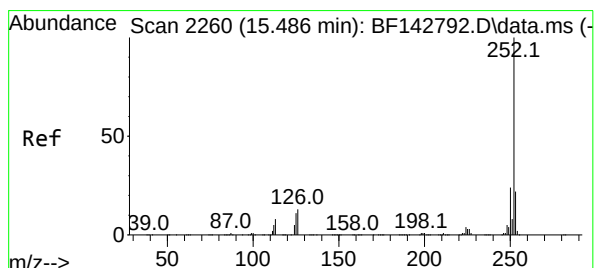
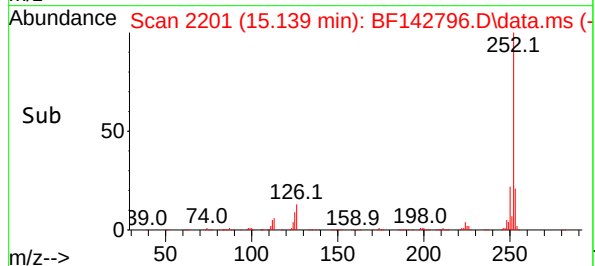
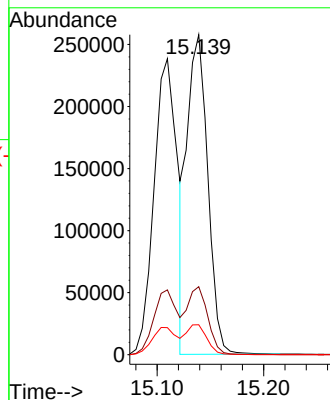
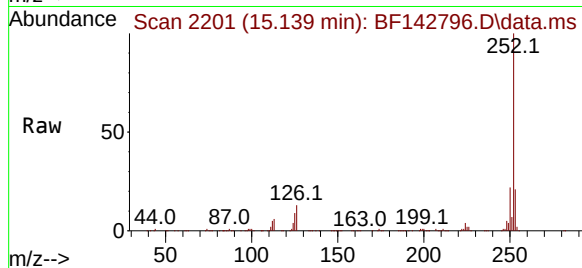
Tgt Ion:252 Resp: 347044

Ion Ratio Lower Upper

252 100

253 21.3 17.2 25.8

125 9.3 7.4 11.2



#90

Benzo(a)pyrene

Concen: 42.117 ng

RT: 15.486 min Scan# 2260

Delta R.T. 0.000 min

Lab File: BF142796.D

Acq: 19 Jun 2025 21:10

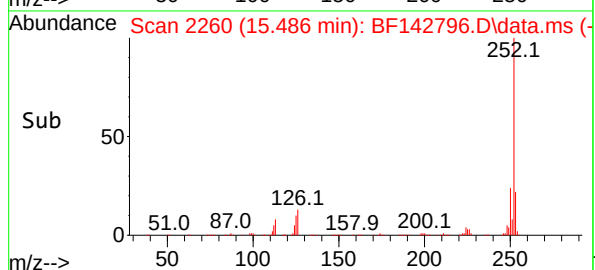
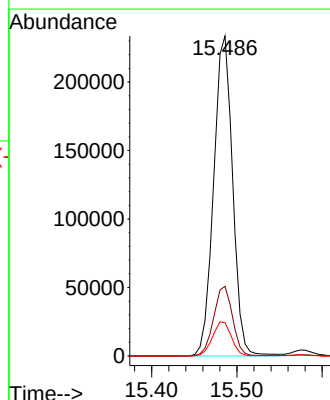
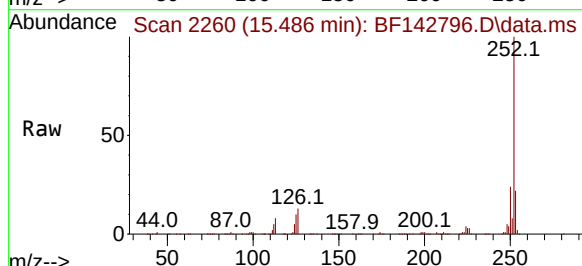
Tgt Ion:252 Resp: 361077

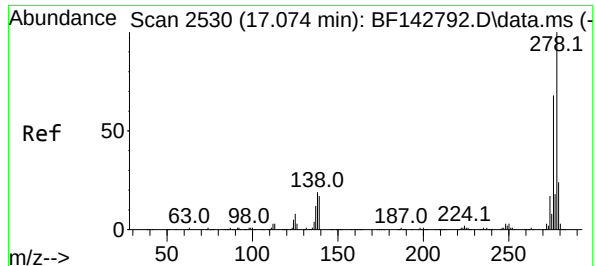
Ion Ratio Lower Upper

252 100

253 21.8 17.5 26.3

125 10.4 8.6 12.8

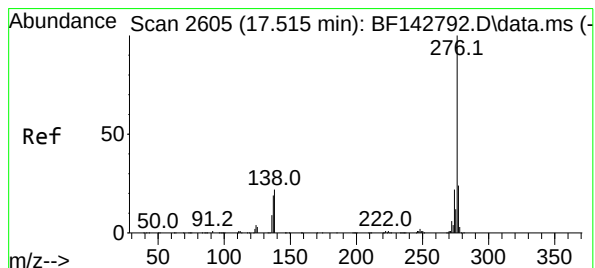
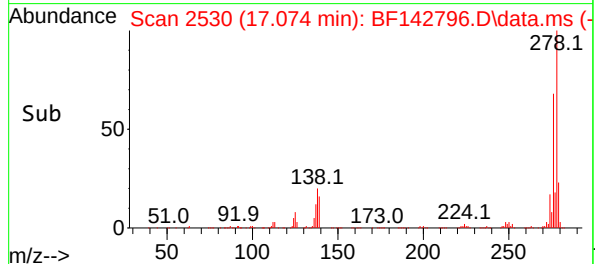
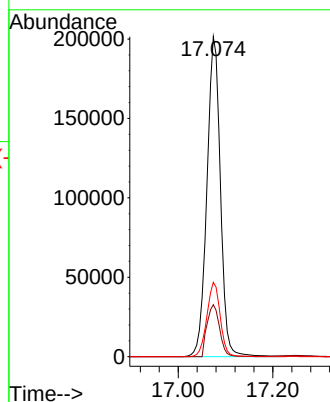
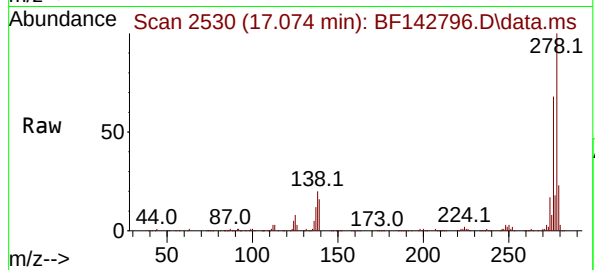




#91
Dibenzo(a,h)anthracene
Concen: 42.069 ng
RT: 17.074 min Scan# 21
Delta R.T. 0.000 min
Lab File: BF142796.D
Acq: 19 Jun 2025 21:10

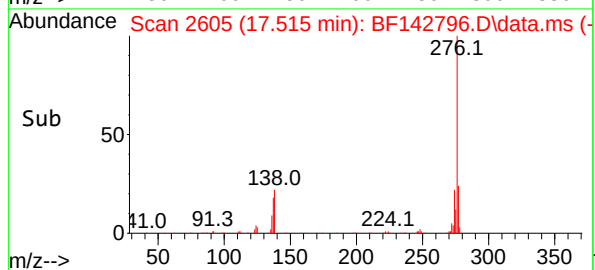
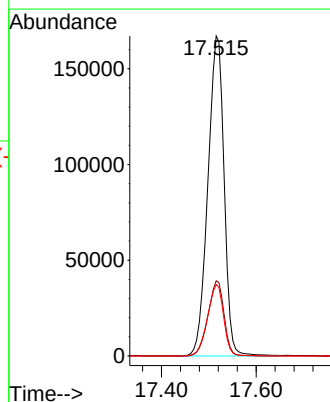
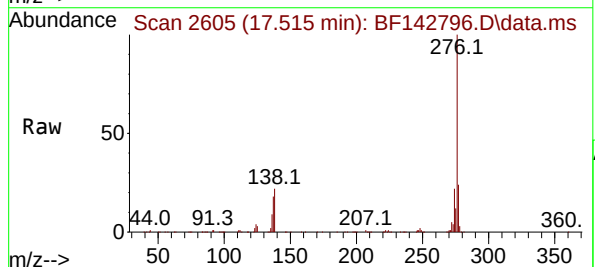
Instrument :
BNA_F
ClientSampleId :
ICVBF061925

Tgt Ion:278 Resp: 399293
Ion Ratio Lower Upper
278 100
139 16.3 13.5 20.3
279 23.3 18.8 28.2



#92
Benzo(g,h,i)perylene
Concen: 42.006 ng
RT: 17.515 min Scan# 2605
Delta R.T. 0.000 min
Lab File: BF142796.D
Acq: 19 Jun 2025 21:10

Tgt Ion:276 Resp: 397566
Ion Ratio Lower Upper
276 100
277 23.5 18.8 28.2
138 22.3 17.6 26.4



Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF061925\
 Data File : BF142796.D
 Acq On : 19 Jun 2025 21:10
 Operator : RC/JU
 Sample : SSTDICV040
 Misc :
 ALS Vial : 10 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 ICVBF061925

Quant Time: Jun 24 15:59:56 2025
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF061925.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Tue Jun 24 05:28:21 2025
 Response via : Initial Calibration

Min. RRF : 0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.50min
 Max. RRF Dev : 25% Max. Rel. Area : 150%

	Compound	AvgRF	CCRF	%Dev	Area%	Dev(min)
1 I	1,4-Dichlorobenzene-d4	1.000	1.000	0.0	89	0.00
2	1,4-Dioxane	0.480	0.473	1.5	91	0.00
3	Pyridine	1.205	1.248	-3.6	95	0.00
4	n-Nitrosodimethylamine	0.623	0.653	-4.8	97	0.00
5 S	2-Fluorophenol	1.201	1.219	-1.5	94	0.00
6	Aniline	1.886	1.999	-6.0	97	0.00
7 S	Phenol-d6	1.417	1.422	-0.4	94	0.00
8	2-Chlorophenol	1.296	1.362	-5.1	97	0.00
9	Benzaldehyde	0.841	0.999	-18.8	117	0.00
10 C	Phenol	1.575	1.650	-4.8	96	0.00
11	bis(2-Chloroethyl)ether	1.126	1.187	-5.4	98	0.00
12	1,3-Dichlorobenzene	1.449	1.542	-6.4	99	0.00
13 C	1,4-Dichlorobenzene	1.462	1.545	-5.7	97	0.00
14	1,2-Dichlorobenzene	1.387	1.474	-6.3	98	0.00
15	Benzyl Alcohol	1.025	1.079	-5.3	98	0.00
16	2,2'-oxybis(1-Chloropropane	1.809	1.917	-6.0	99	0.00
17	2-Methylphenol	0.982	1.043	-6.2	98	0.00
18	Hexachloroethane	0.511	0.545	-6.7	97	0.00
19 P	n-Nitroso-di-n-propylamine	0.824	0.858	-4.1	97	0.00
20	3+4-Methylphenols	1.224	1.313	-7.3	99	0.00
21 I	Naphthalene-d8	1.000	1.000	0.0	89	0.00
22	Acetophenone	0.441	0.468	-6.1	100	0.00
23 S	Nitrobenzene-d5	0.365	0.334	8.5	84	0.00
24	Nitrobenzene	0.330	0.346	-4.8	97	0.00
25	Isophorone	0.585	0.605	-3.4	97	0.00
26 C	2-Nitrophenol	0.180	0.194	-7.8	97	0.00
27	2,4-Dimethylphenol	0.311	0.328	-5.5	98	0.00
28	bis(2-Chloroethoxy)methane	0.372	0.390	-4.8	98	0.00
29 C	2,4-Dichlorophenol	0.282	0.298	-5.7	97	0.00
30	1,2,4-Trichlorobenzene	0.310	0.327	-5.5	98	0.00
31	Naphthalene	0.979	1.033	-5.5	99	0.00
32	Benzoic acid	0.159	0.181	-13.8	103	0.00
33	4-Chloroaniline	0.398	0.416	-4.5	98	0.00
34 C	Hexachlorobutadiene	0.190	0.203	-6.8	98	0.00
35	Caprolactam	0.075	0.076	-1.3	95	0.00
36 C	4-Chloro-3-methylphenol	0.281	0.294	-4.6	97	0.00
37	2-Methylnaphthalene	0.607	0.633	-4.3	97	0.00
38	1-Methylnaphthalene	0.628	0.653	-4.0	97	0.00
39 I	Acenaphthene-d10	1.000	1.000	0.0	88	0.00
40	1,2,4,5-Tetrachlorobenzene	0.590	0.638	-8.1	101	0.00
41 P	Hexachlorocyclopentadiene	0.335	0.380	-13.4	100	0.00
42 S	2,4,6-Tribromophenol	0.206	0.206	0.0	91	0.00
43 C	2,4,6-Trichlorophenol	0.385	0.409	-6.2	99	0.00
44	2,4,5-Trichlorophenol	0.405	0.436	-7.7	98	0.00
45 S	2-Fluorobiphenyl	1.522	1.373	9.8	85	0.00
46	1,1'-Biphenyl	1.580	1.665	-5.4	98	0.00
47	2-Chloronaphthalene	1.186	1.239	-4.5	97	0.00

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF061925\
 Data File : BF142796.D
 Acq On : 19 Jun 2025 21:10
 Operator : RC/JU
 Sample : SSTDICV040
 Misc :
 ALS Vial : 10 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 ICVBF061925

Quant Time: Jun 24 15:59:56 2025
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF061925.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Tue Jun 24 05:28:21 2025
 Response via : Initial Calibration

Min. RRF : 0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.50min
 Max. RRF Dev : 25% Max. Rel. Area : 150%

	Compound	AvgRF	CCRF	%Dev	Area%	Dev(min)
48	2-Nitroaniline	0.332	0.347	-4.5	94	0.00
49	Acenaphthylene	1.952	2.029	-3.9	96	0.00
50	Dimethylphthalate	1.295	1.334	-3.0	96	0.00
51	2,6-Dinitrotoluene	0.284	0.294	-3.5	94	0.00
52 C	Acenaphthene	1.191	1.245	-4.5	96	0.00
53	3-Nitroaniline	0.313	0.325	-3.8	95	0.00
54 P	2,4-Dinitrophenol	0.142	0.156	-9.9	97	0.00
55	Dibenzofuran	1.708	1.757	-2.9	95	0.00
56 P	4-Nitrophenol	0.214	0.217	-1.4	92	0.00
57	2,4-Dinitrotoluene	0.378	0.390	-3.2	94	0.00
58	Fluorene	1.334	1.369	-2.6	96	0.00
59	2,3,4,6-Tetrachlorophenol	0.326	0.341	-4.6	97	0.00
60	Diethylphthalate	1.269	1.299	-2.4	95	0.00
61	4-Chlorophenyl-phenylether	0.636	0.650	-2.2	96	0.00
62	4-Nitroaniline	0.286	0.291	-1.7	94	0.00
63	Azobenzene	1.134	1.164	-2.6	95	0.00
64 I	Phenanthrene-d10	1.000	1.000	0.0	87	0.00
65	4,6-Dinitro-2-methylphenol	0.121	0.131	-8.3	95	0.00
66 c	n-Nitrosodiphenylamine	0.693	0.727	-4.9	94	0.00
67	4-Bromophenyl-phenylether	0.228	0.247	-8.3	98	0.00
68	Hexachlorobenzene	0.253	0.270	-6.7	97	0.00
69	Atrazine	0.179	0.192	-7.3	96	0.00
70 C	Pentachlorophenol	0.126	0.137	-8.7	94	0.00
71	Phenanthrene	1.083	1.127	-4.1	95	0.00
72	Anthracene	1.111	1.167	-5.0	95	0.00
73	Carbazole	0.959	0.979	-2.1	94	0.00
74	Di-n-butylphthalate	0.999	1.055	-5.6	97	0.00
75 C	Fluoranthene	1.028	1.038	-1.0	94	0.00
76 I	Chrysene-d12	1.000	1.000	0.0	86	0.00
77	Benzidine	0.751	0.893	-18.9	99	0.00
78	Pyrene	1.875	1.912	-2.0	94	0.00
79 S	Terphenyl-d14	1.447	1.282	11.4	83	0.00
80	Butylbenzylphthalate	0.544	0.631	-16.0	99	0.00
81	Benzo(a)anthracene	1.349	1.412	-4.7	96	0.00
82	3,3'-Dichlorobenzidine	0.438	0.509	-16.2	102	0.00
83	Chrysene	1.204	1.313	-9.1	97	0.00
84	Bis(2-ethylhexyl)phthalate	0.782	0.938	-19.9	100	0.00
85 c	Di-n-octyl phthalate	1.475	1.734	-17.6	102	0.00
86 I	Perylene-d12	1.000	1.000	0.0	90	0.00
87	Indeno(1,2,3-cd)pyrene	1.523	1.602	-5.2	98	0.00
88	Benzo(b)fluoranthene	1.157	1.180	-2.0	99	0.00
89	Benzo(k)fluoranthene	1.083	1.131	-4.4	98	0.00
90 C	Benzo(a)pyrene	1.118	1.177	-5.3	99	0.00
91	Dibenzo(a,h)anthracene	1.238	1.302	-5.2	99	0.00
92	Benzo(g,h,i)perylene	1.234	1.296	-5.0	98	0.00

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF061925\
Data File : BF142796.D
Acq On : 19 Jun 2025 21:10
Operator : RC/JU
Sample : SSTDICV040
Misc :
ALS Vial : 10 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
ICVBF061925

Quant Time: Jun 24 15:59:56 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF061925.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Tue Jun 24 05:28:21 2025
Response via : Initial Calibration

Min. RRF : 0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.50min
Max. RRF Dev : 25% Max. Rel. Area : 150%

Compound	AvgRF	CCRF	%Dev Area	% Dev(min)

(#) = Out of Range

SPCC's out = 0 CCC's out = 0

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF061925\
 Data File : BF142796.D
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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	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 :
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Quant Time: Jun 24 15:59:56 2025
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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)

(#) = 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>Q2514</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	



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.: Q2514
 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

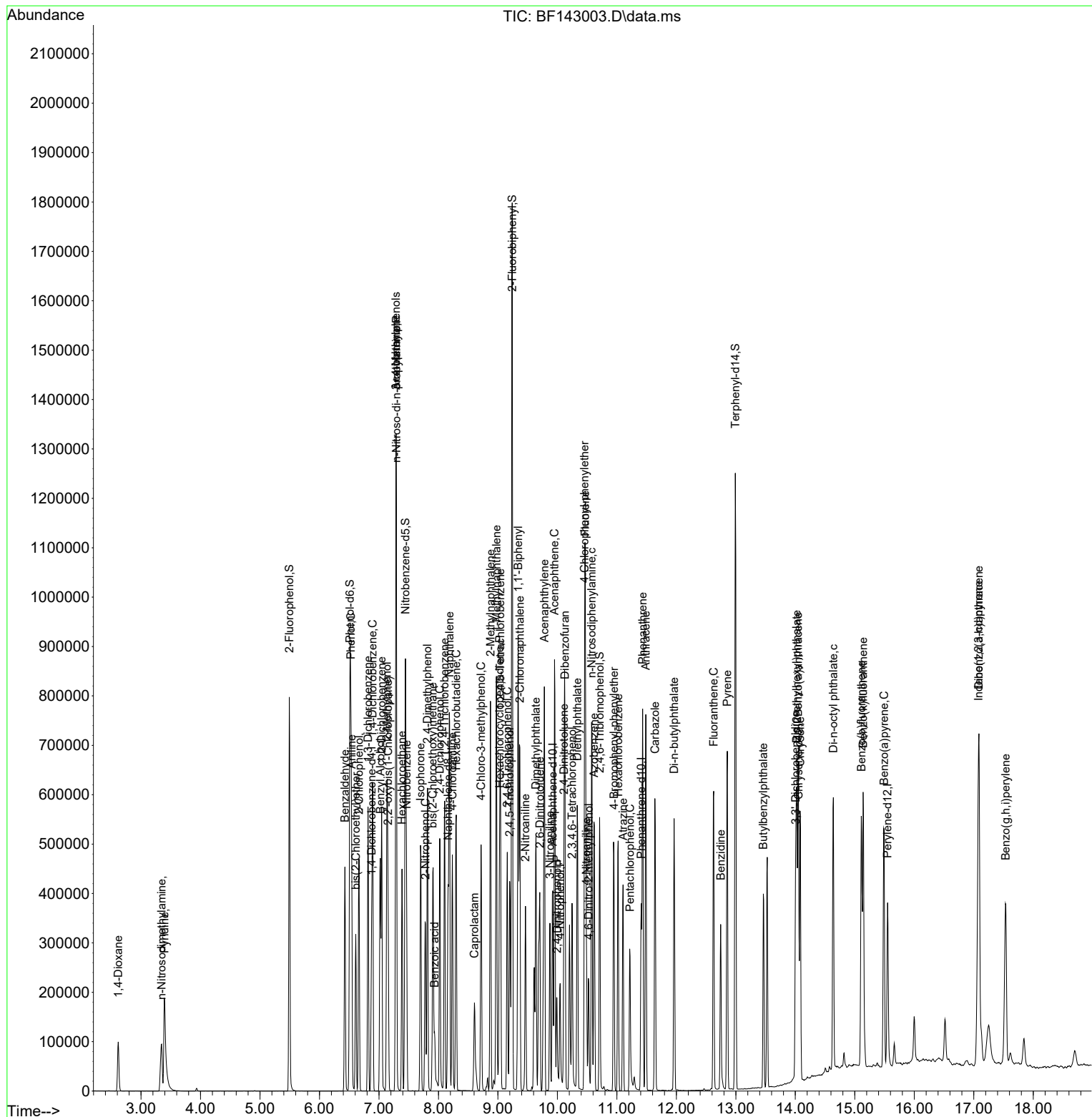
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
44) 2,4,5-Trichlorophenol	9.198	196	97051	37.348	ng	99
46) 1,1'-Biphenyl	9.339	154	397007	39.146	ng	99
47) 2-Chloronaphthalene	9.369	162	297910	39.144	ng	99
48) 2-Nitroaniline	9.463	65	82602	38.713	ng	97
49) Acenaphthylene	9.780	152	489067	39.035	ng	99
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

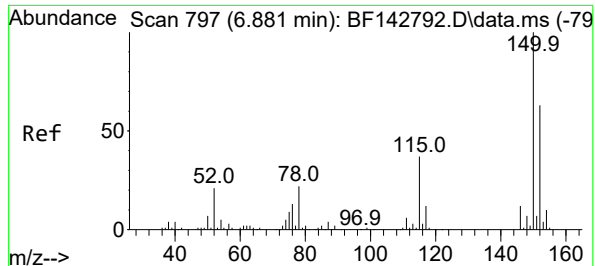
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Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF070725\
Data File : BF143003.D
Acq On : 07 Jul 2025 12:12
Operator : RC/JU
Sample : SSTDCCC040
Misc :
ALS Vial : 2 Sample Multiplier: 1

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

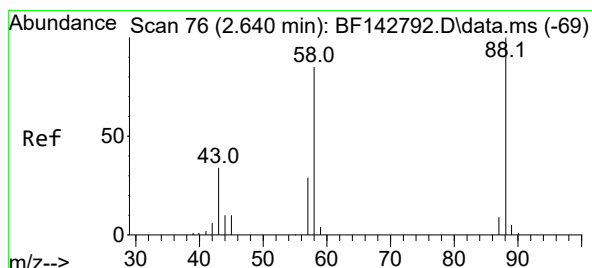
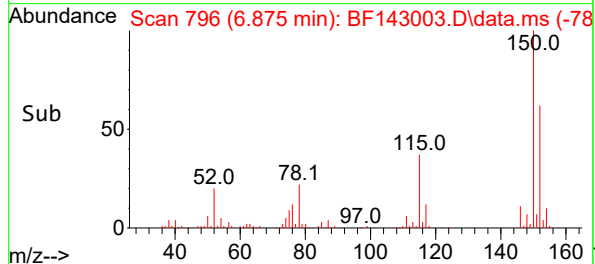
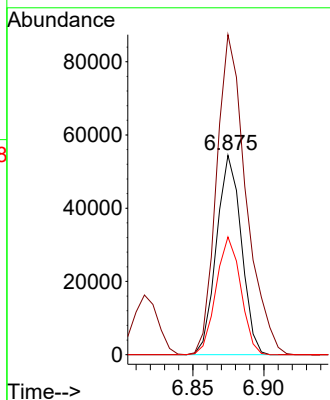
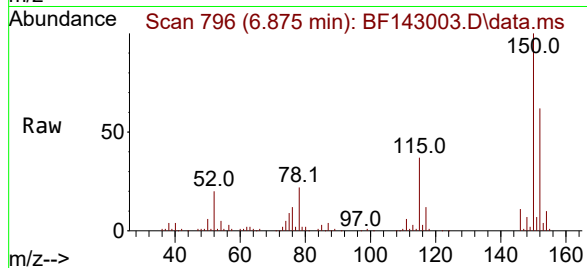




#1
 1,4-Dichlorobenzene-d4
 Concen: 20.000 ng
 RT: 6.875 min Scan# 79
 Delta R.T. -0.006 min
 Lab File: BF143003.D
 Acq: 07 Jul 2025 12:12

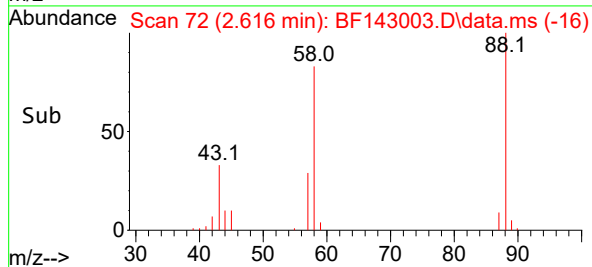
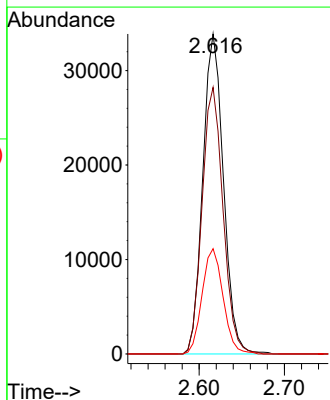
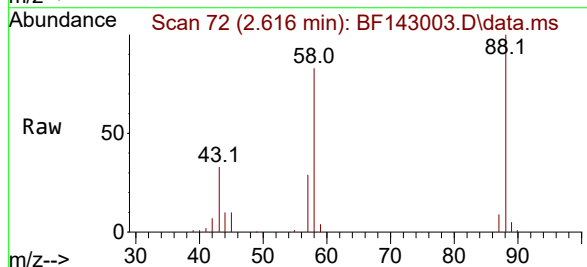
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 BNA_F
 ClientSampleId :
 SSTDCCC040

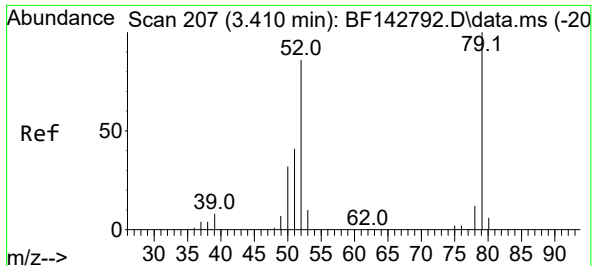
Tgt Ion:152 Resp: 66299
 Ion Ratio Lower Upper
 152 100
 150 160.5 127.2 190.8
 115 59.0 46.6 69.8



#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

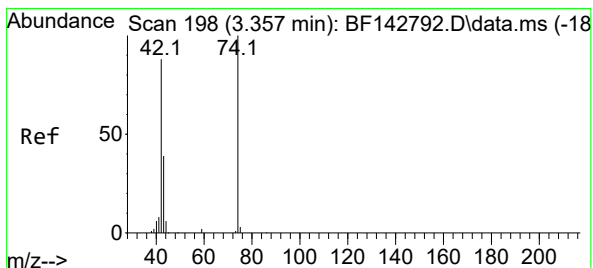
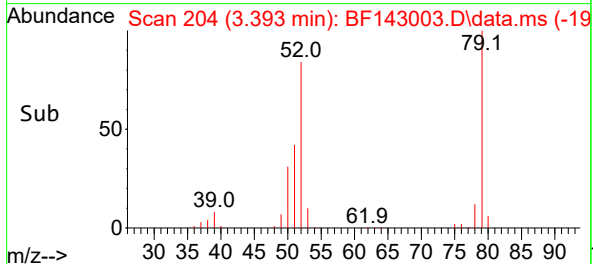
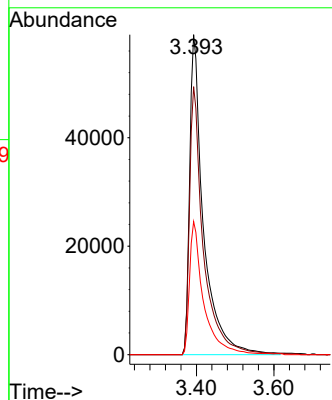
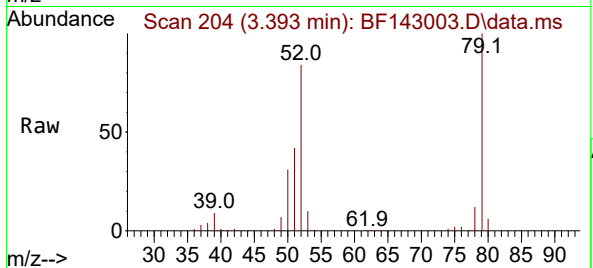




#3
Pyridine
Concen: 36.706 ng
RT: 3.393 min Scan# 207
Delta R.T. -0.018 min
Lab File: BF143003.D
Acq: 07 Jul 2025 12:12

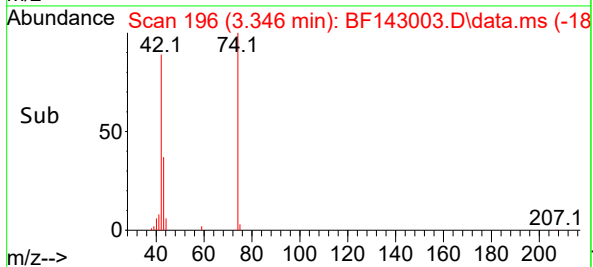
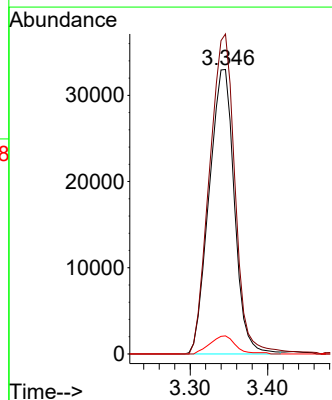
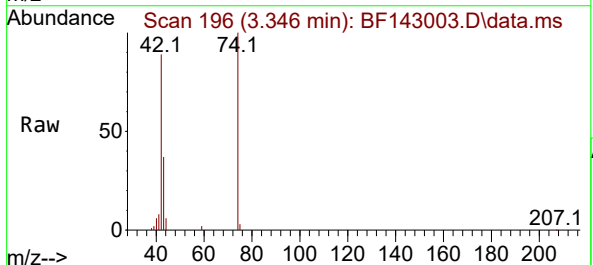
Instrument :
BNA_F
ClientSampleId :
SSTDCCC040

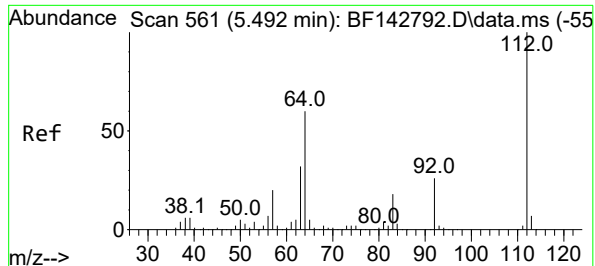
Tgt Ion: 79 Resp: 146566
Ion Ratio Lower Upper
79 100
52 83.7 69.2 103.8
51 41.6 33.2 49.8



#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

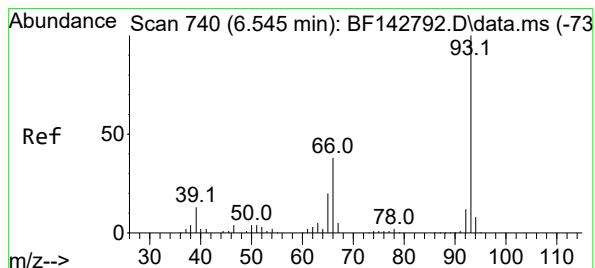
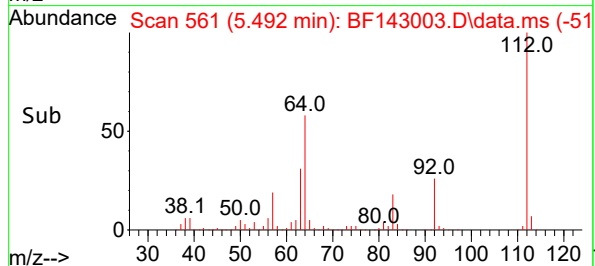
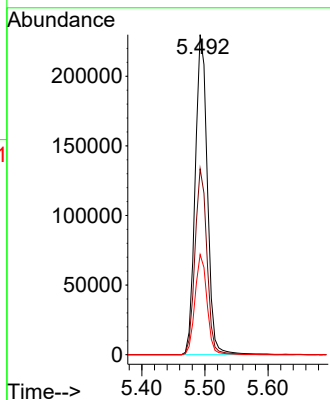
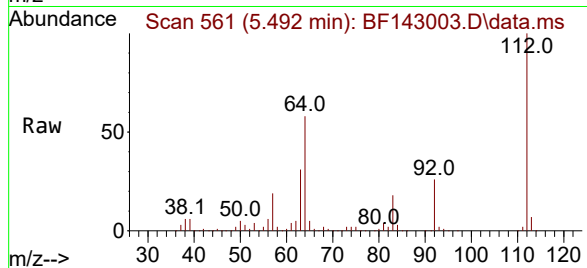




#5
2-Fluorophenol
Concen: 77.207 ng
RT: 5.492 min Scan# 501
Delta R.T. 0.000 min
Lab File: BF143003.D
Acq: 07 Jul 2025 12:12

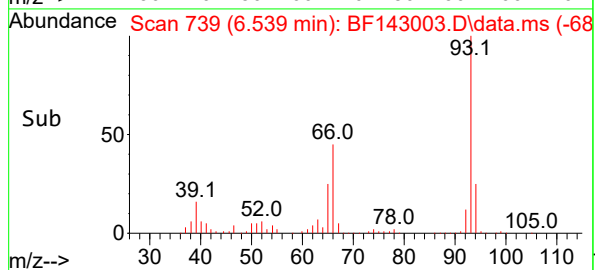
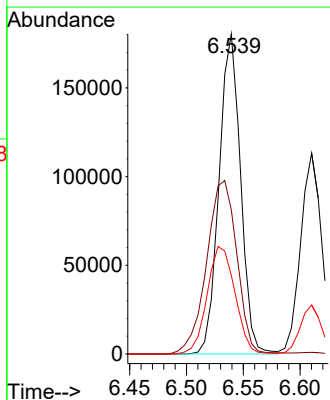
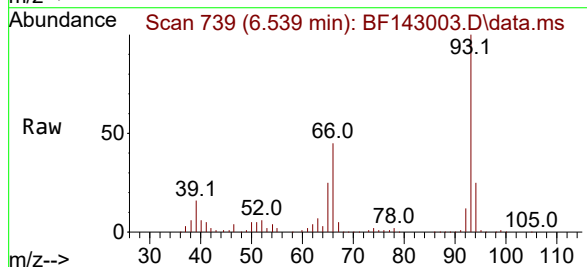
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BNA_F
ClientSampleId :
SSTDCCC040

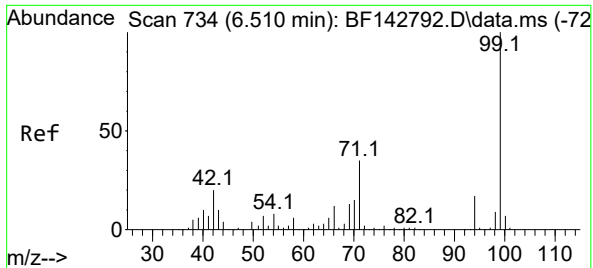
Tgt Ion:112 Resp: 307448
Ion Ratio Lower Upper
112 100
64 58.1 48.2 72.2
63 31.3 25.7 38.5



#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

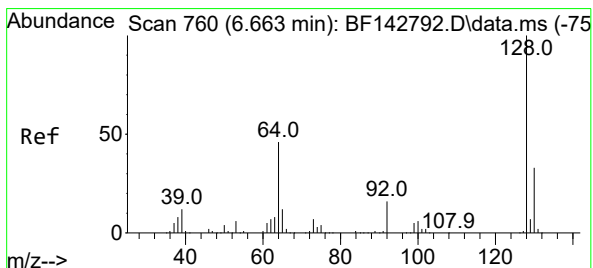
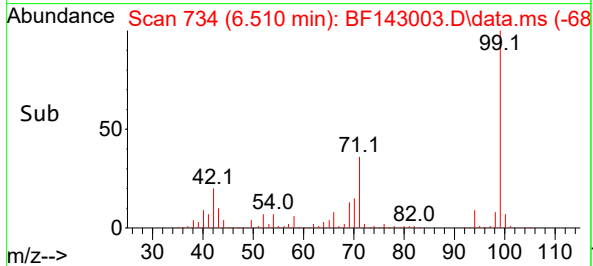
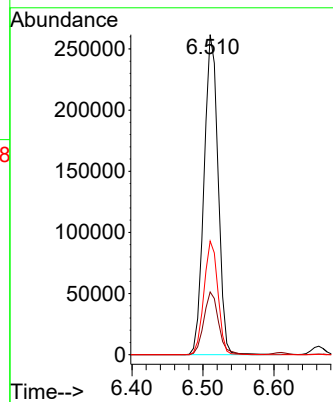
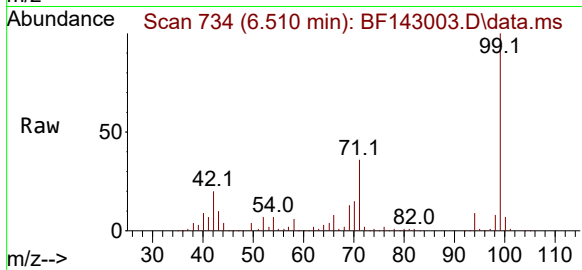
Tgt Ion: 99 Resp: 361466

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

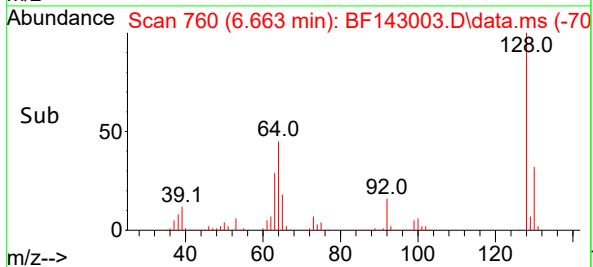
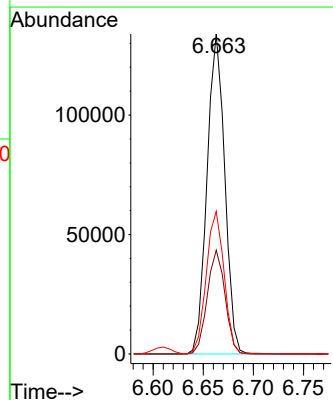
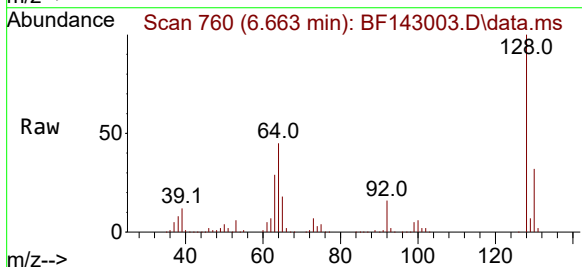
Tgt Ion: 128 Resp: 164969

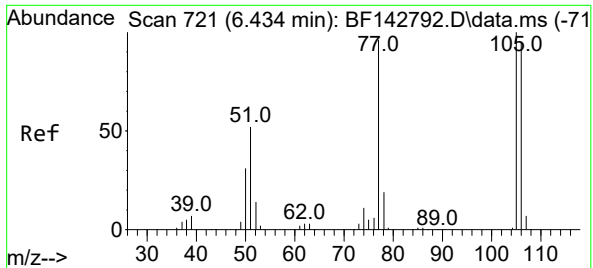
Ion Ratio Lower Upper

128 100

130 32.5 12.7 52.7

64 44.6 26.5 66.5

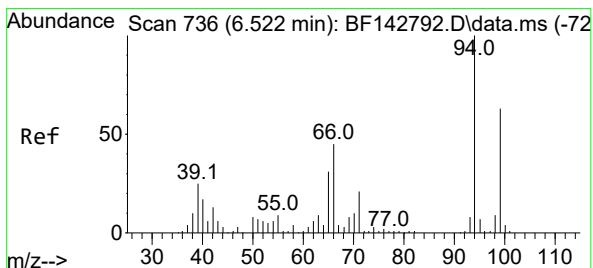
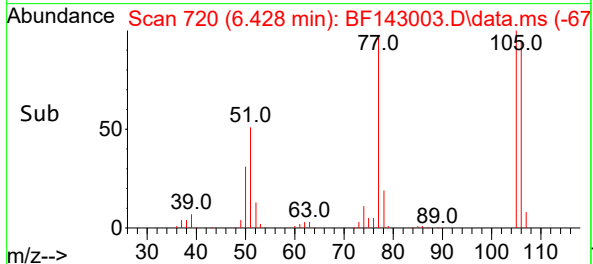
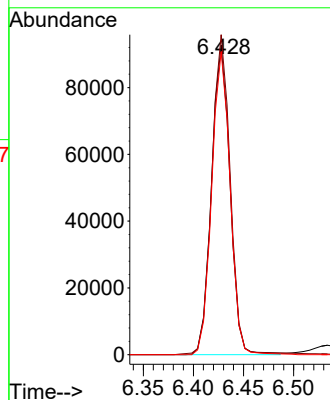
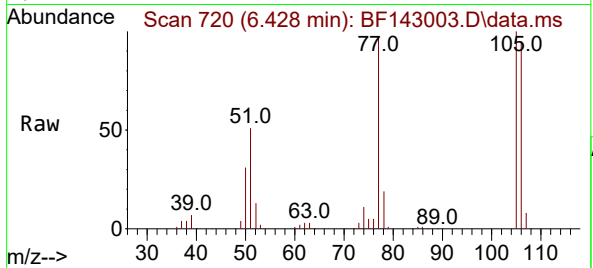




#9
Benzaldehyde
Concen: 42.667 ng
RT: 6.428 min Scan# 71
Delta R.T. -0.006 min
Lab File: BF143003.D
Acq: 07 Jul 2025 12:12

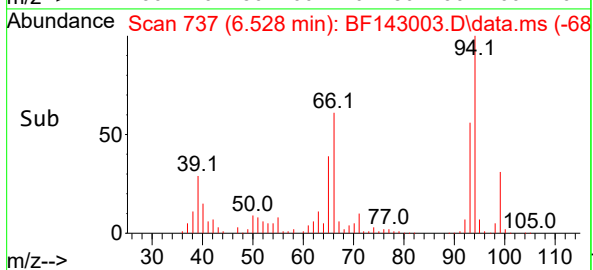
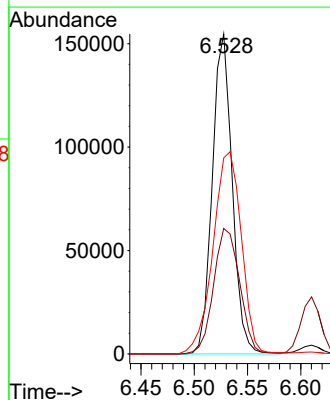
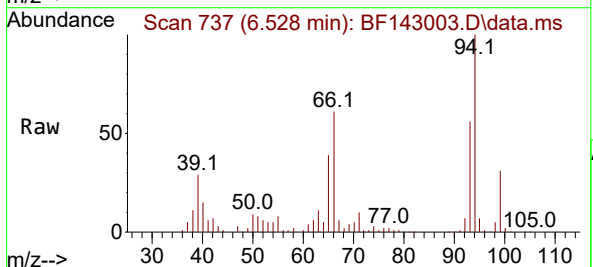
Instrument :
BNA_F
ClientSampleId :
SSTDCCC040

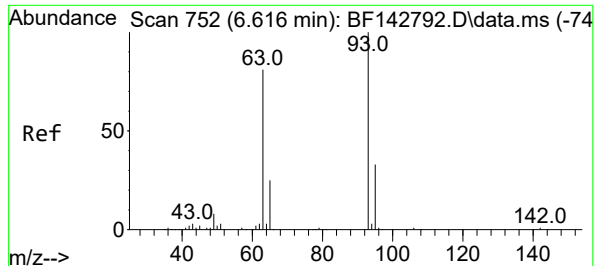
Tgt Ion: 77 Resp: 118926
Ion Ratio Lower Upper
77 100
105 103.4 83.8 123.8
106 98.0 78.7 118.7



#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

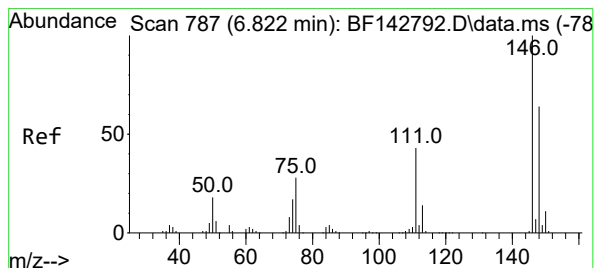
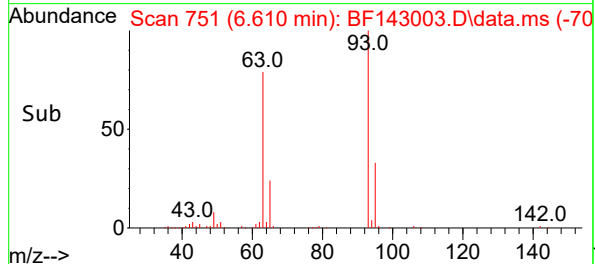
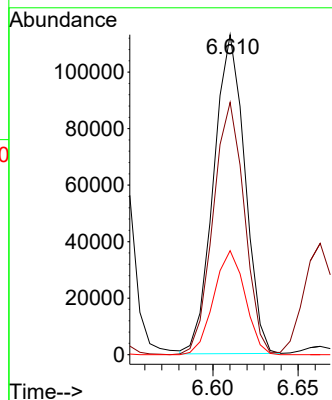
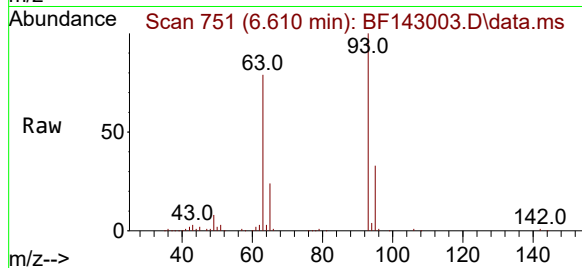




#11
bis(2-Chloroethyl)ether
Concen: 38.570 ng
RT: 6.610 min Scan# 71
Delta R.T. -0.006 min
Lab File: BF143003.D
Acq: 07 Jul 2025 12:12

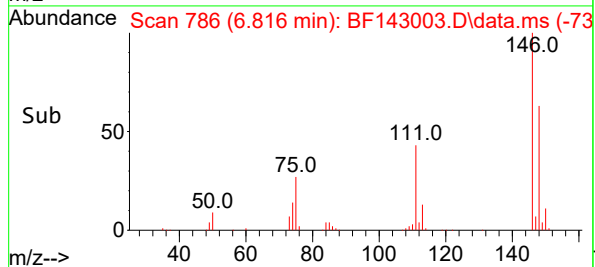
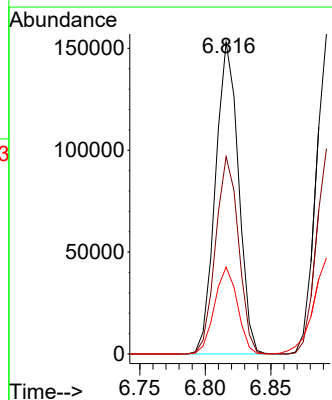
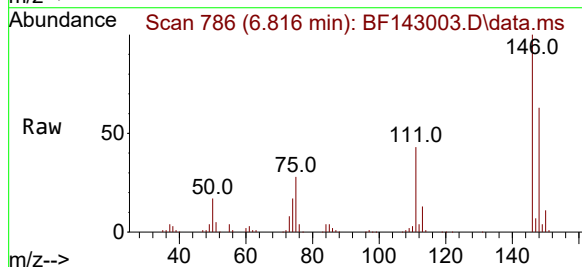
Instrument :
BNA_F
ClientSampleId :
SSTDCCC040

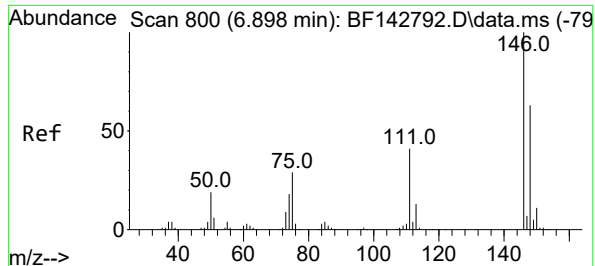
Tgt Ion: 93 Resp: 143962
Ion Ratio Lower Upper
93 100
63 78.9 60.3 100.3
95 32.5 12.5 52.5



#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

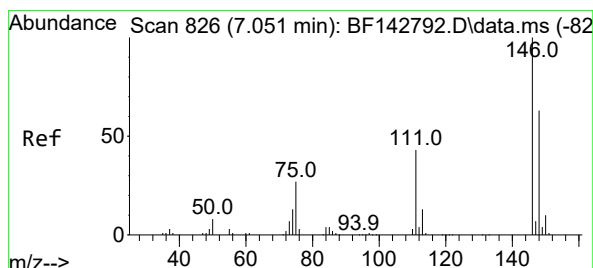
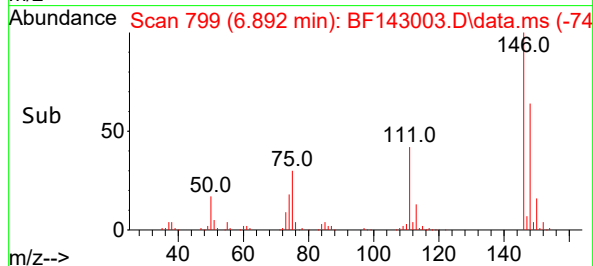
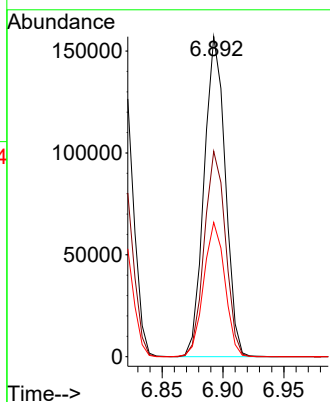
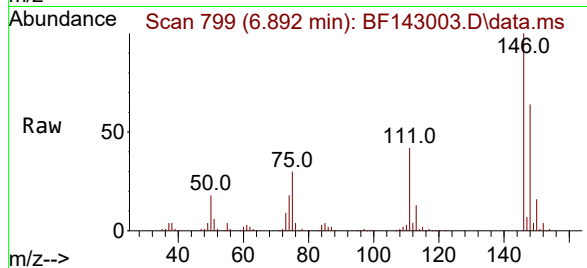
Tgt Ion:146 Resp: 190051

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

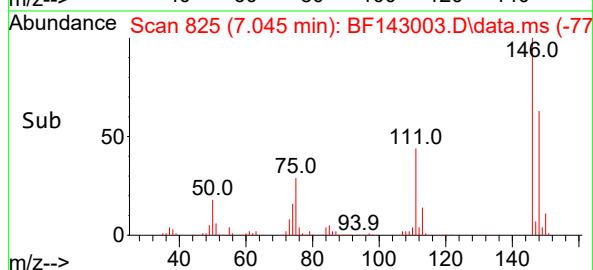
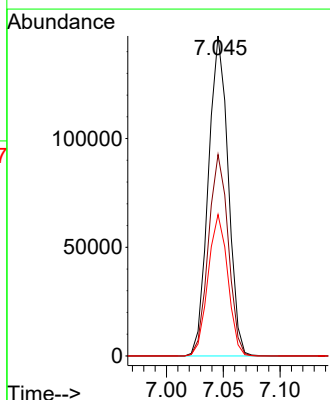
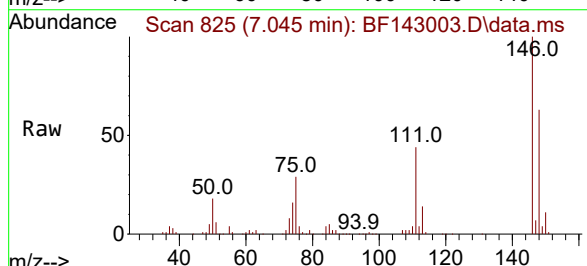
Tgt Ion:146 Resp: 178538

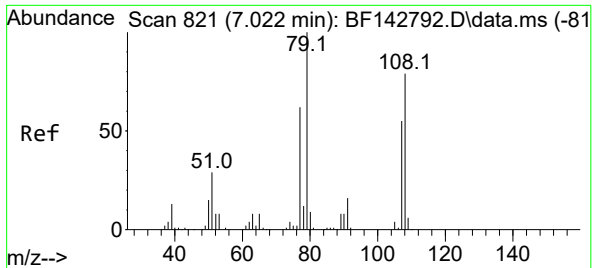
Ion Ratio Lower Upper

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 :

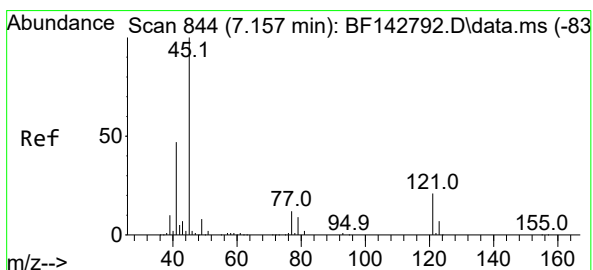
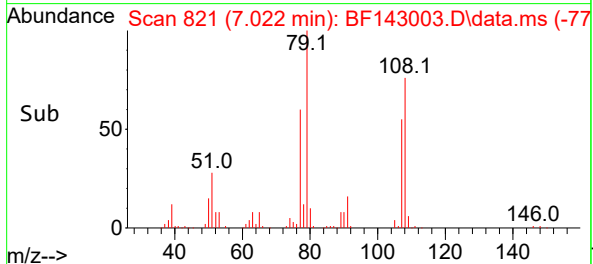
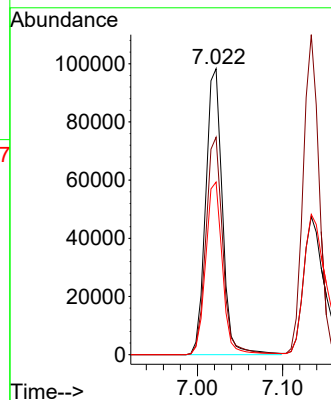
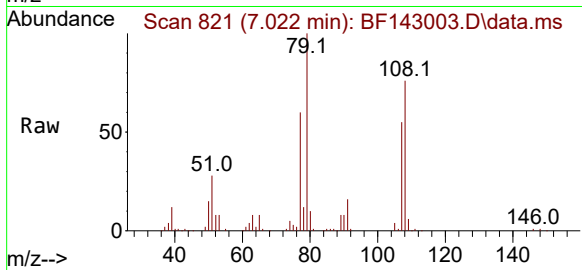
BNA_F

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

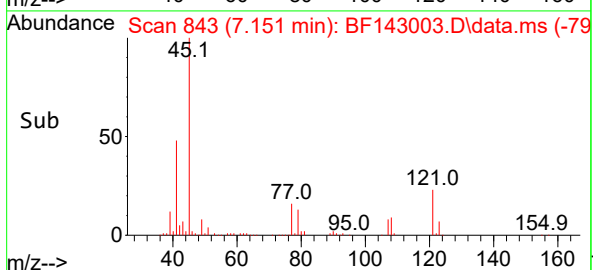
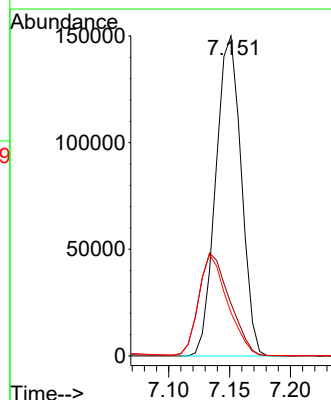
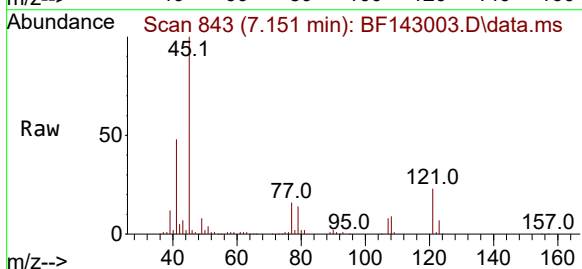
Delta R.T. -0.006 min

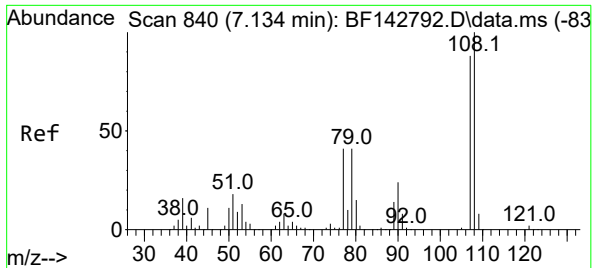
Lab File: BF143003.D

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

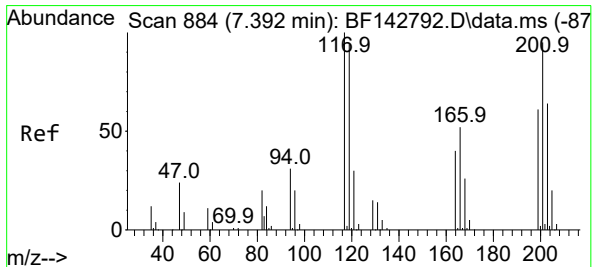
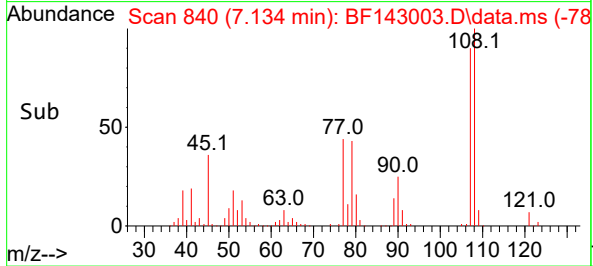
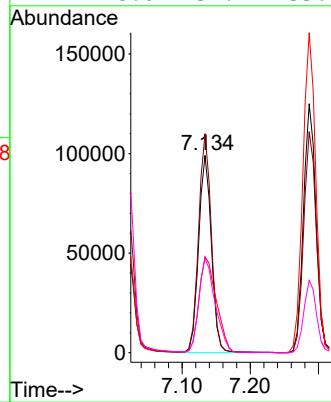
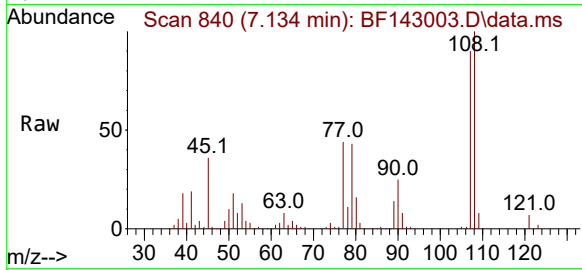




#17
2-Methylphenol
Concen: 39.871 ng
RT: 7.134 min Scan# 840
Delta R.T. 0.000 min
Lab File: BF143003.D
Acq: 07 Jul 2025 12:12

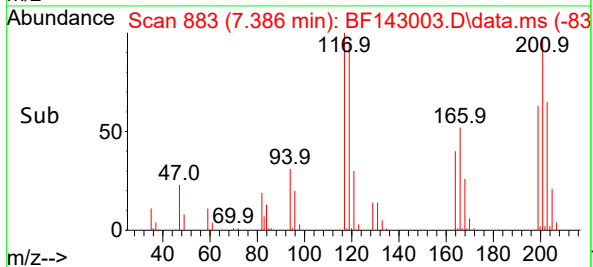
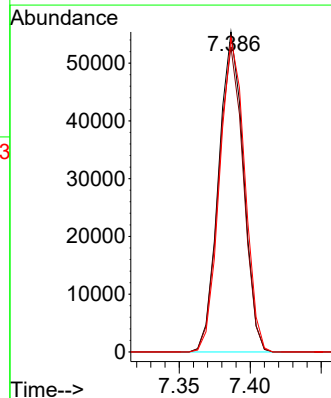
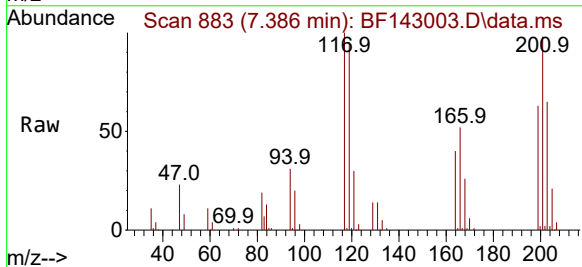
Instrument :
BNA_F
ClientSampleId :
SSTDCCC040

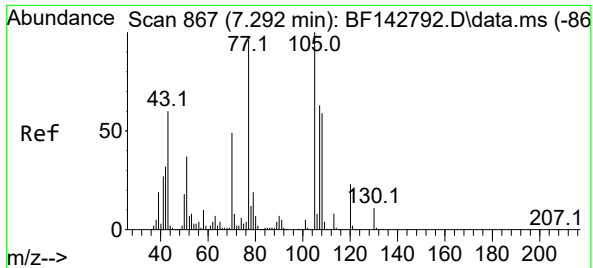
Tgt Ion:107 Resp: 129791
Ion Ratio Lower Upper
107 100
108 111.0 90.9 136.3
77 48.7 37.3 55.9
79 48.0 37.2 55.8



#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# 867

Delta R.T. -0.000 min

Lab File: BF143003.D

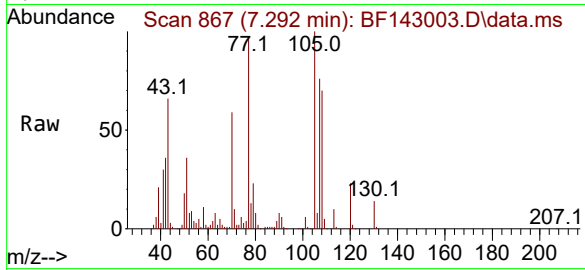
Acq: 07 Jul 2025 12:12

Instrument :

BNA_F

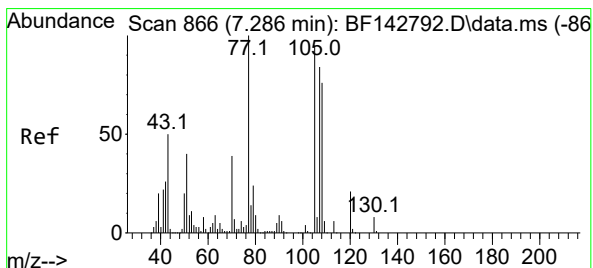
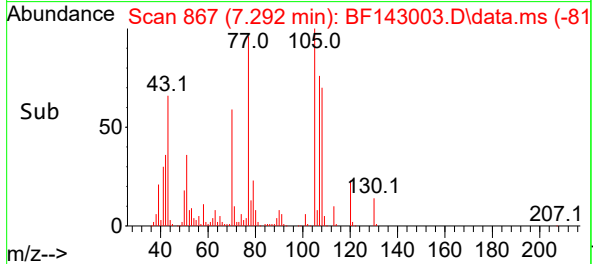
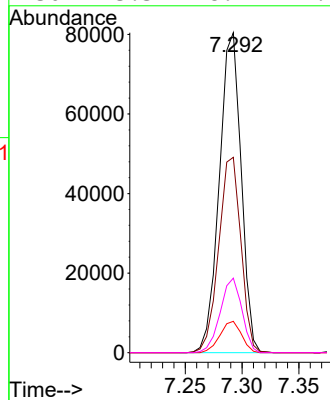
ClientSampleId :

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

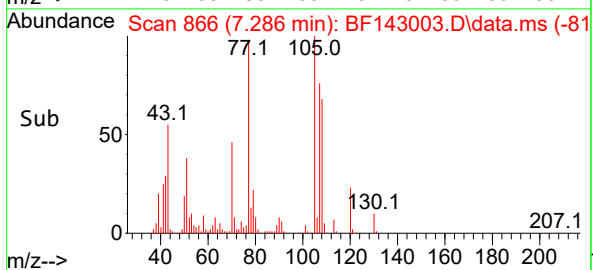
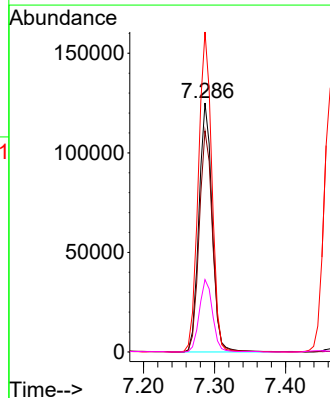
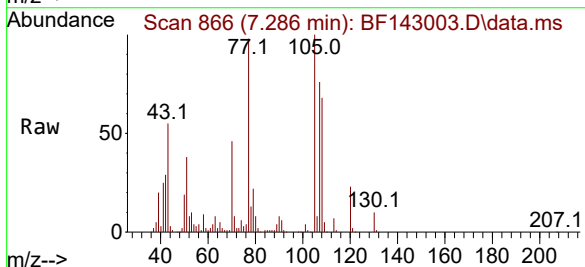
Delta R.T. -0.000 min

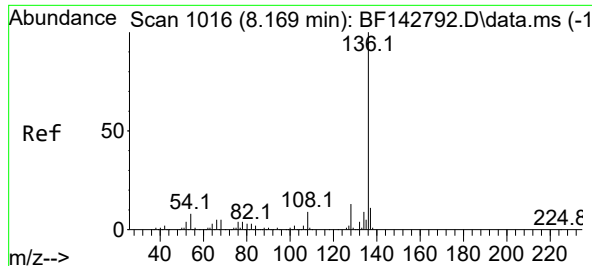
Lab File: BF143003.D

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# 1016

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

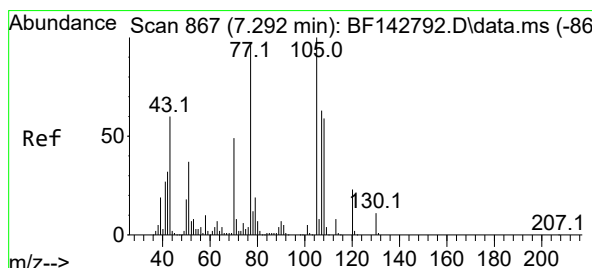
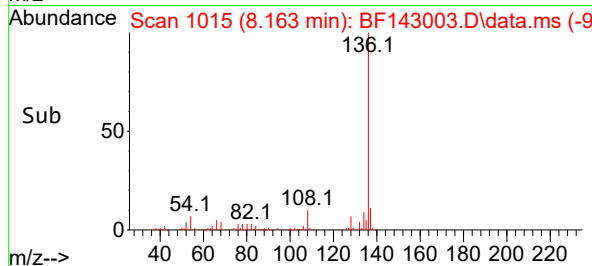
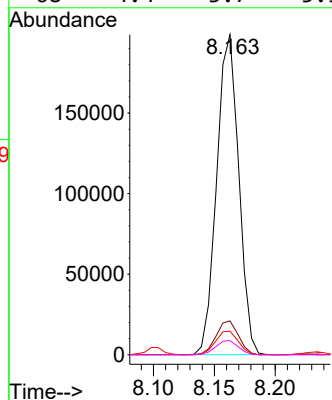
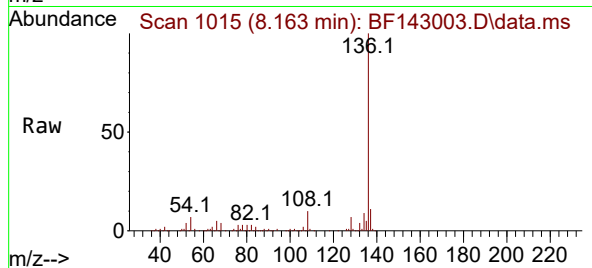
Ion Ratio Lower Upper

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

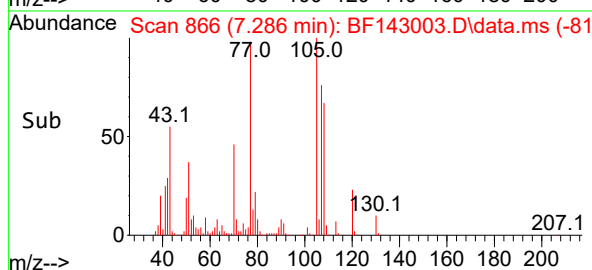
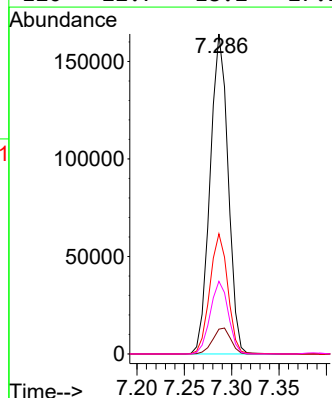
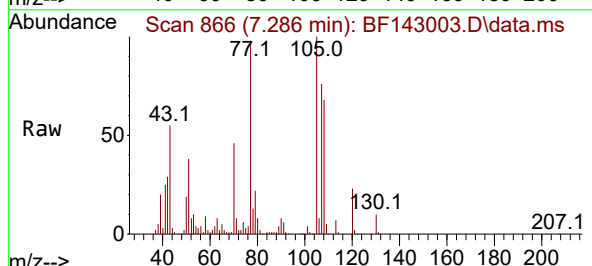
Ion Ratio Lower Upper

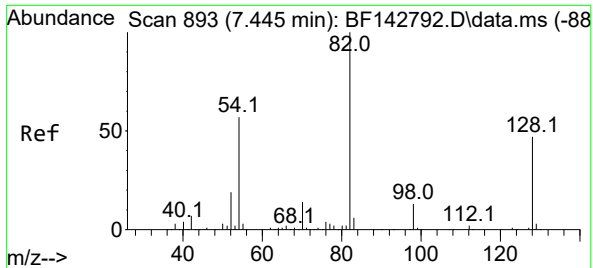
105 100

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

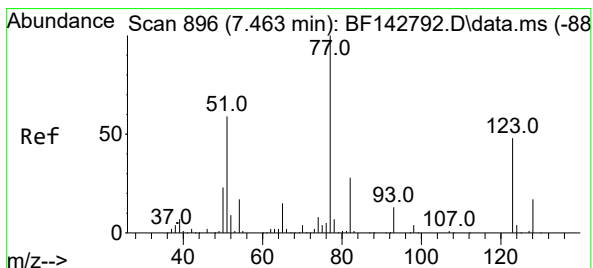
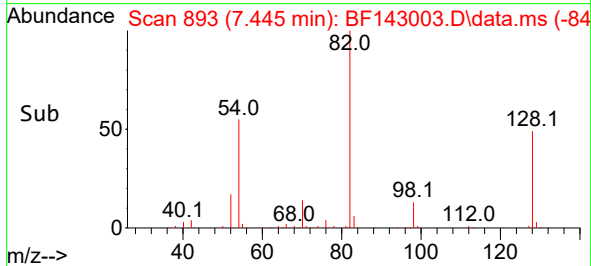
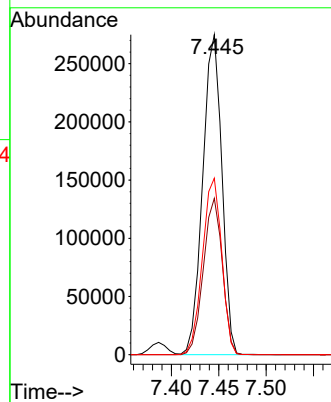
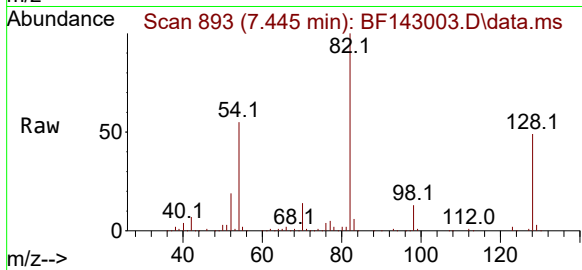
Tgt Ion: 82 Resp: 385910

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

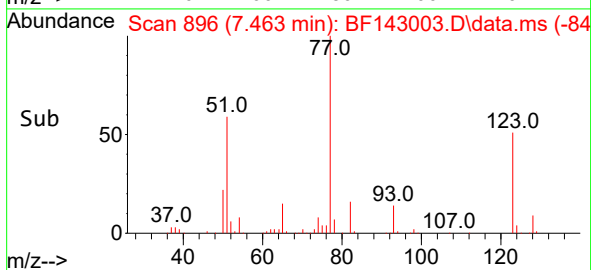
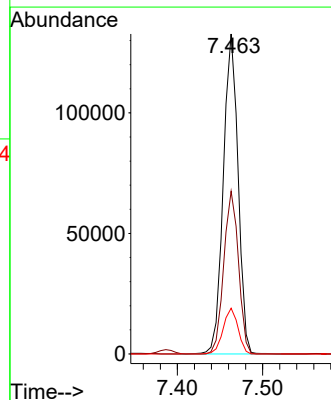
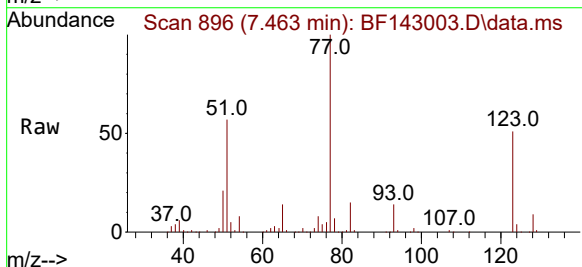
Tgt Ion: 77 Resp: 159724

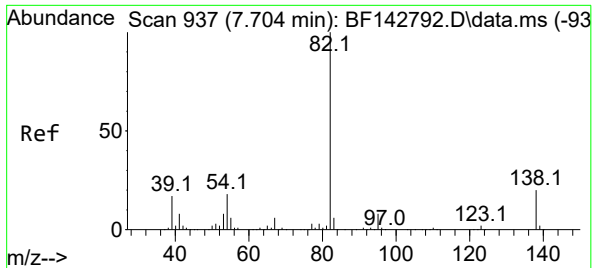
Ion Ratio Lower Upper

77 100

123 50.8 39.2 58.8

65 14.3 11.6 17.4

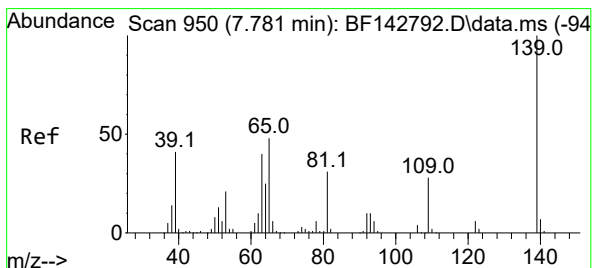
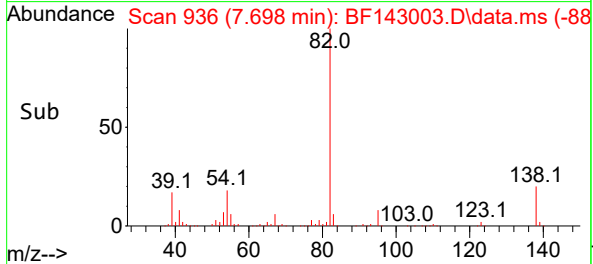
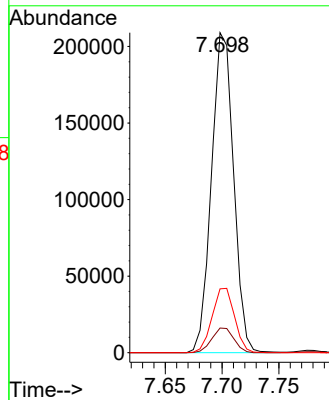
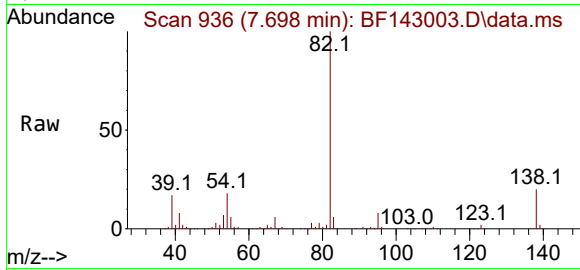




#25
Isophorone
Concen: 38.672 ng
RT: 7.698 min Scan# 91
Delta R.T. -0.006 min
Lab File: BF143003.D
Acq: 07 Jul 2025 12:12

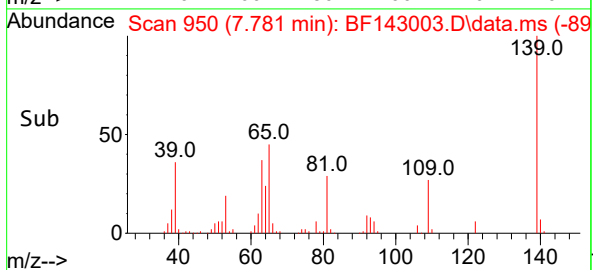
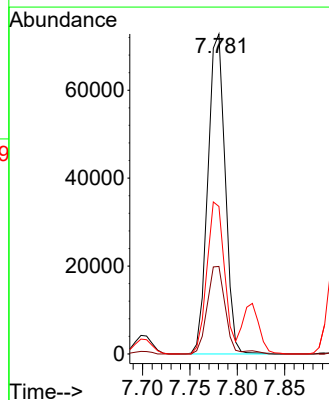
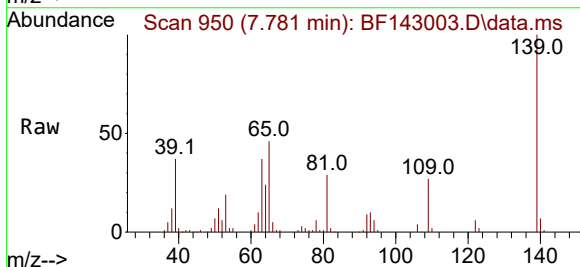
Instrument :
BNA_F
ClientSampleId :
SSTDCCC040

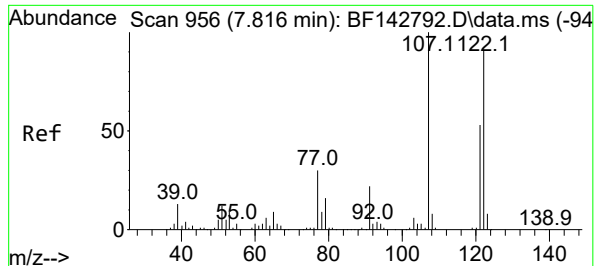
Tgt Ion: 82 Resp: 283403
Ion Ratio Lower Upper
82 100
95 7.7 6.2 9.2
138 20.0 16.2 24.4



#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

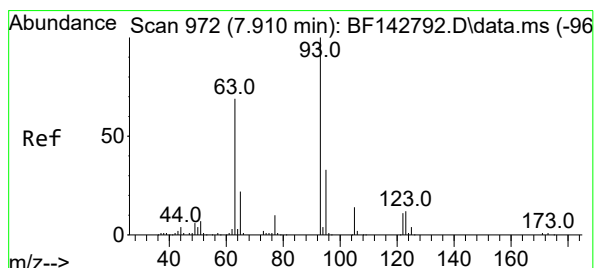
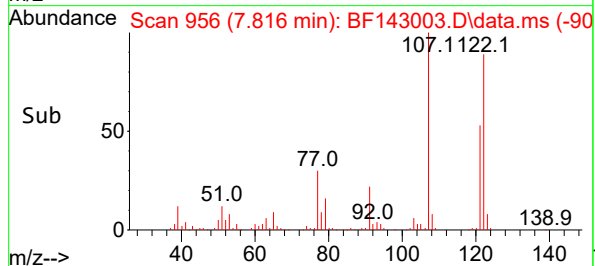
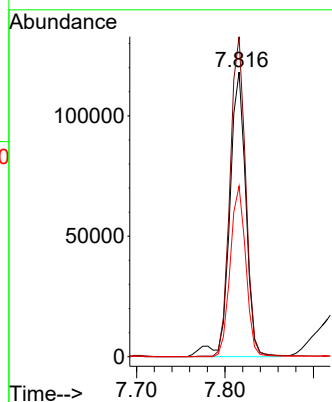
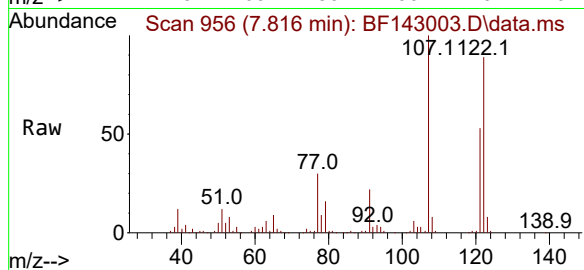
Tgt Ion:122 Resp: 150356

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

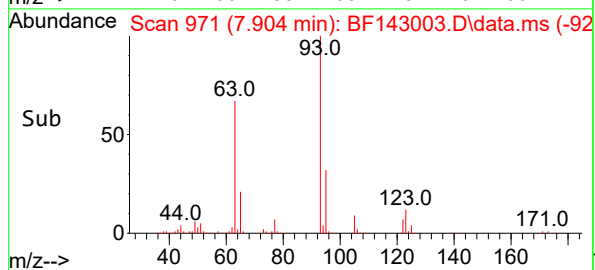
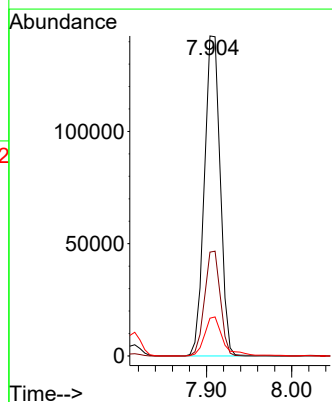
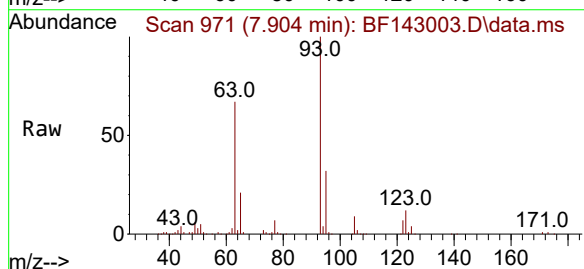
Tgt Ion: 93 Resp: 184372

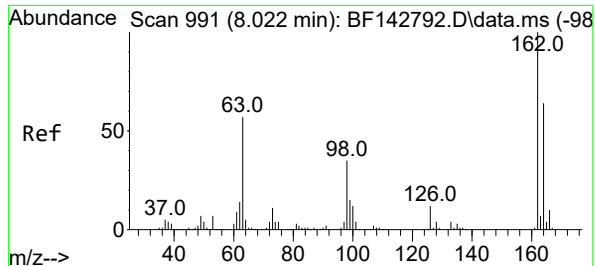
Ion Ratio Lower Upper

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

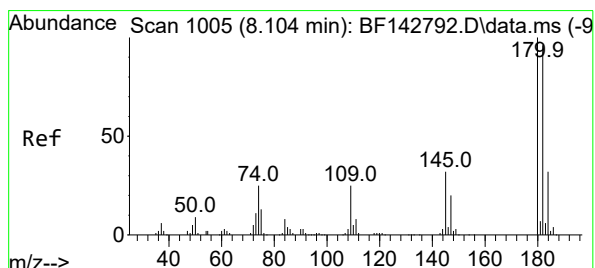
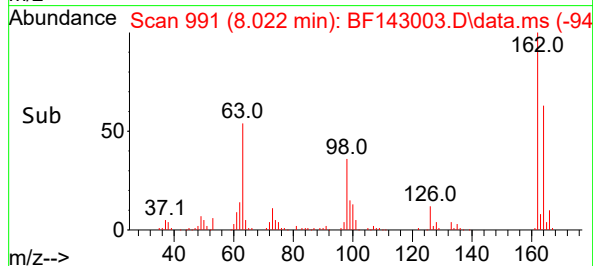
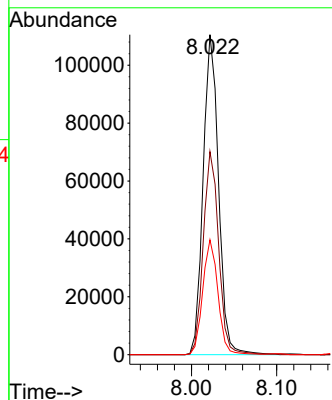
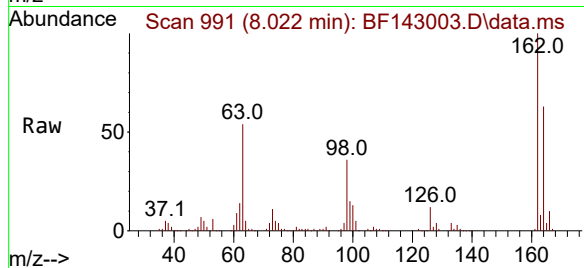
Tgt Ion:162 Resp: 139097

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

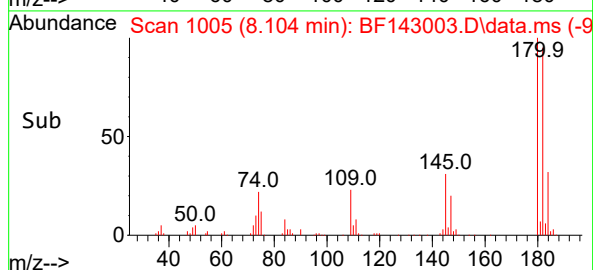
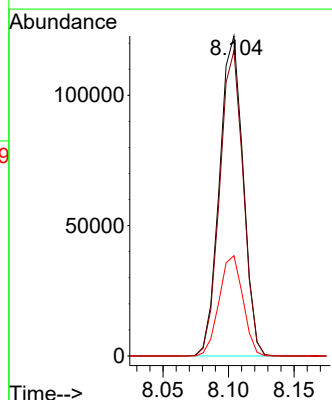
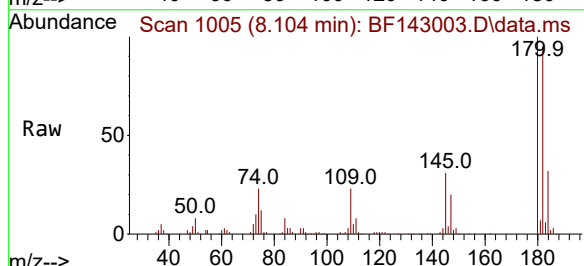
Tgt Ion:180 Resp: 153647

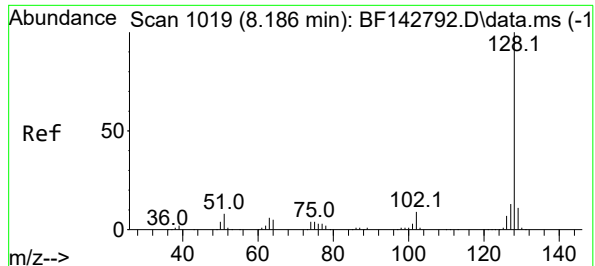
Ion Ratio Lower Upper

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

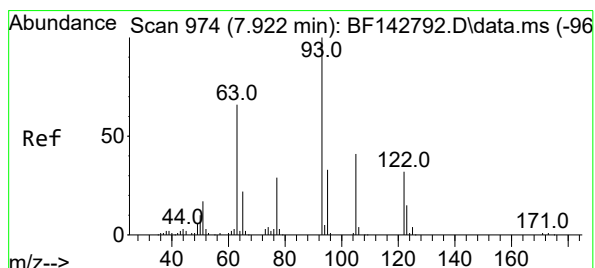
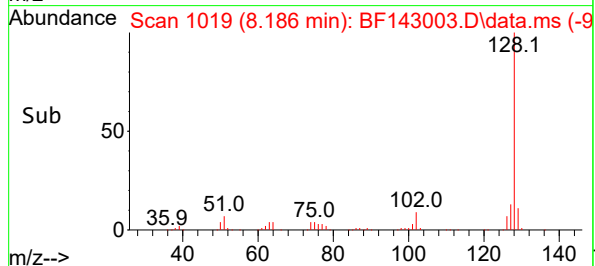
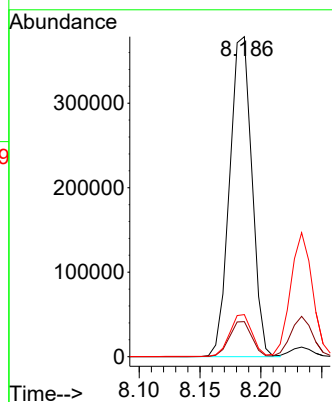
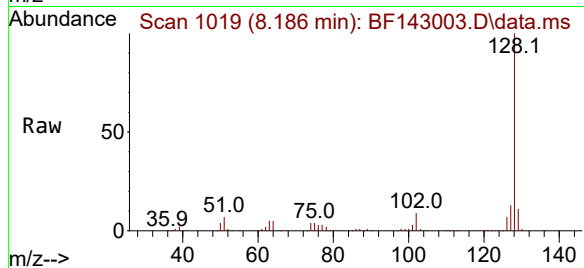
Tgt Ion:128 Resp: 482441

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

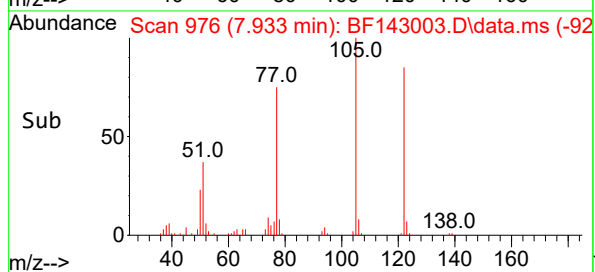
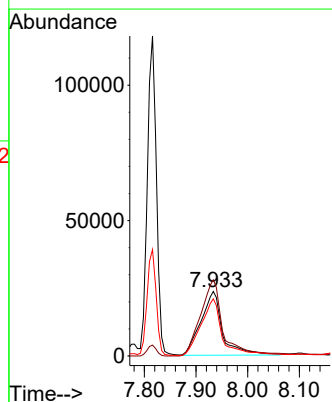
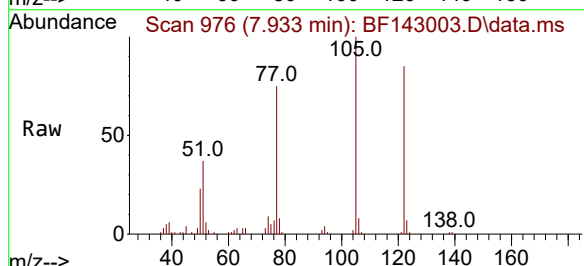
Tgt Ion:122 Resp: 68529

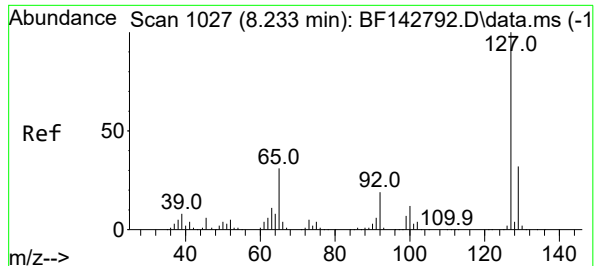
Ion Ratio Lower Upper

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

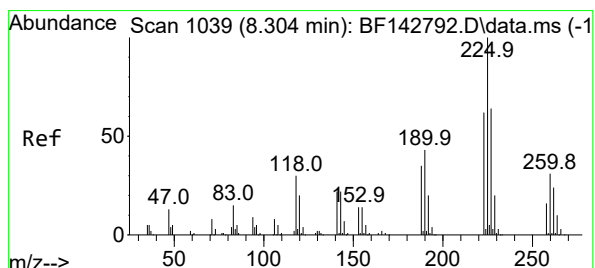
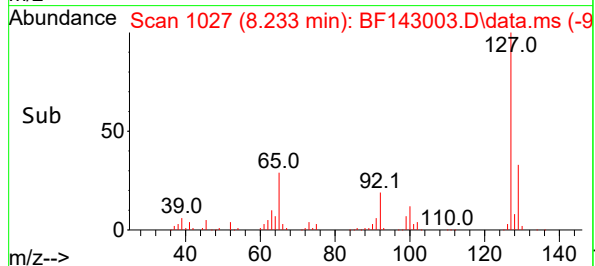
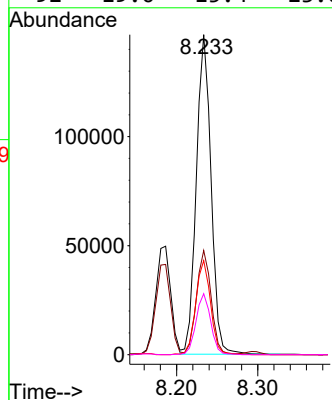
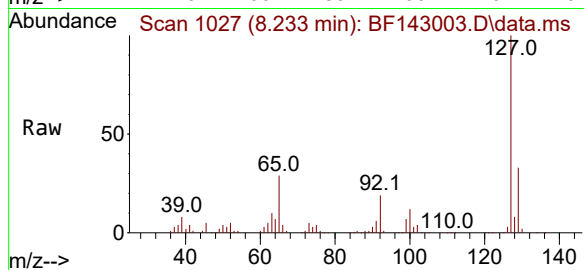
Ion Ratio Lower Upper

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

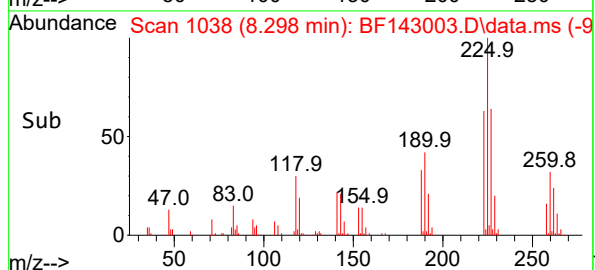
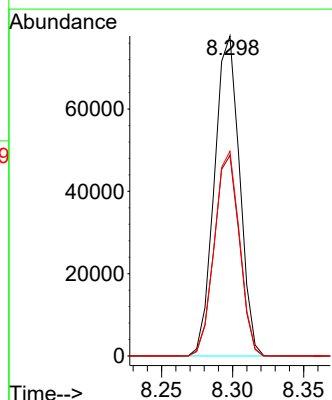
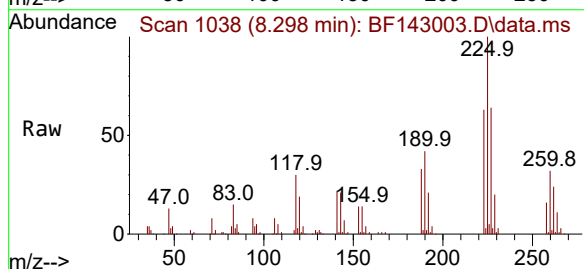
Tgt Ion:225 Resp: 95769

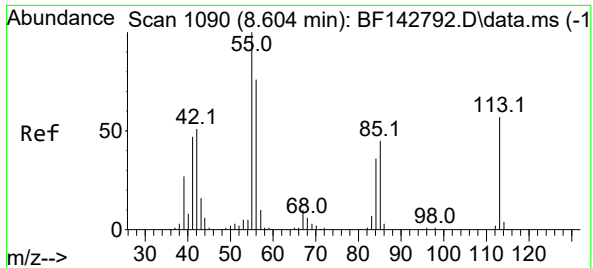
Ion Ratio Lower Upper

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

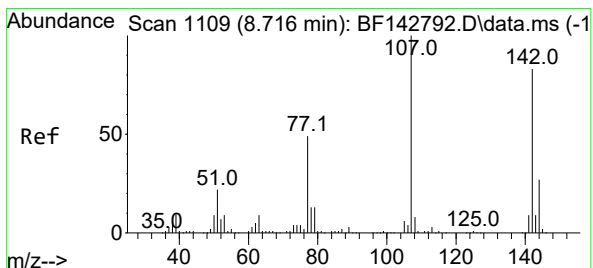
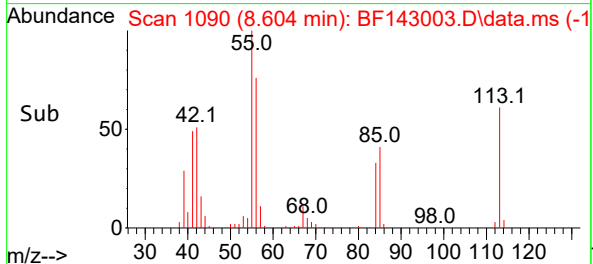
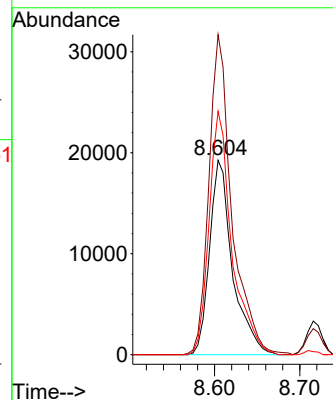
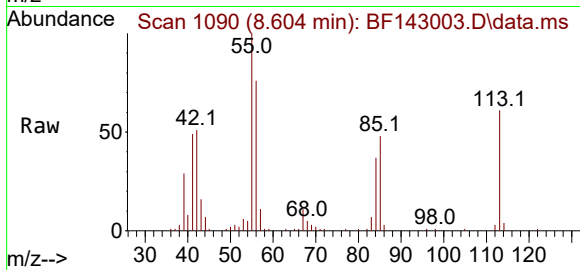
Tgt Ion:113 Resp: 35981

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

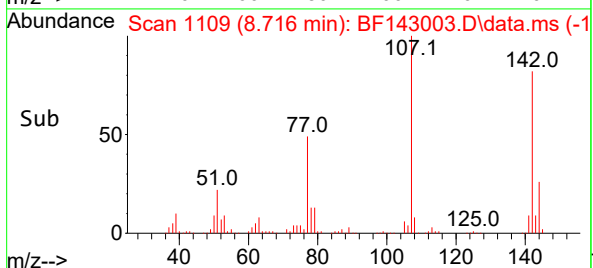
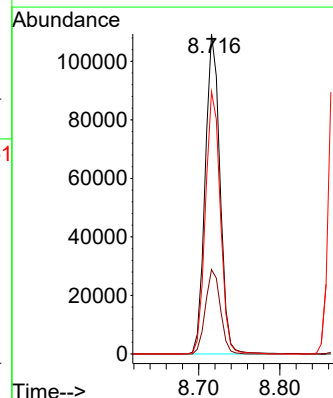
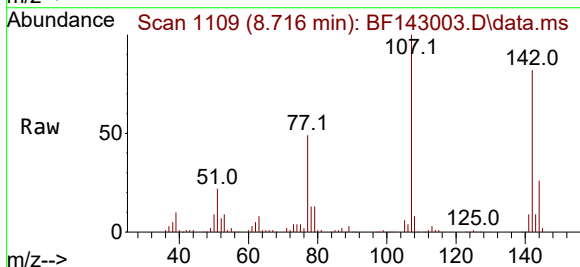
Tgt Ion:107 Resp: 138376

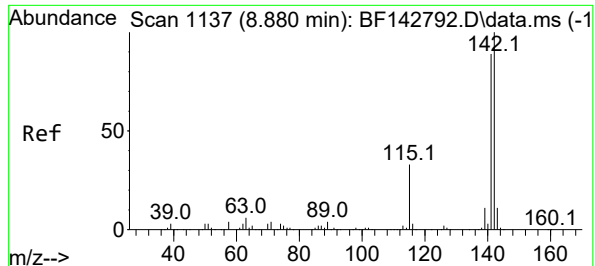
Ion Ratio Lower Upper

107 100

144 26.3 21.3 31.9

142 82.0 66.6 100.0

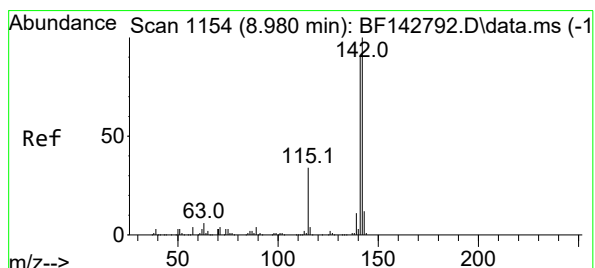
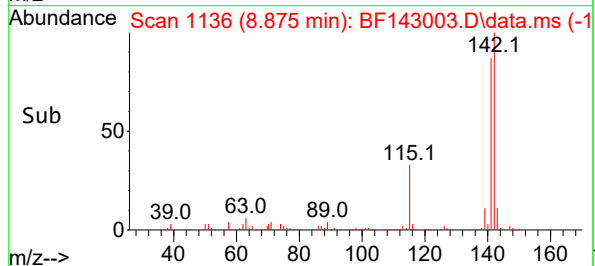
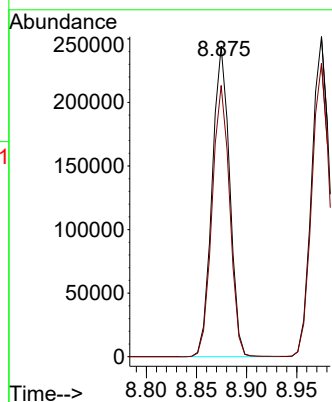
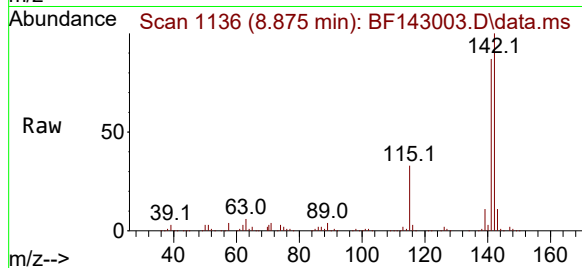




#37
2-Methylnaphthalene
Concen: 39.070 ng
RT: 8.875 min Scan# 1136
Delta R.T. -0.006 min
Lab File: BF143003.D
Acq: 07 Jul 2025 12:12

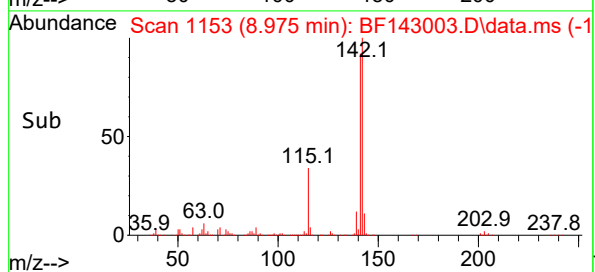
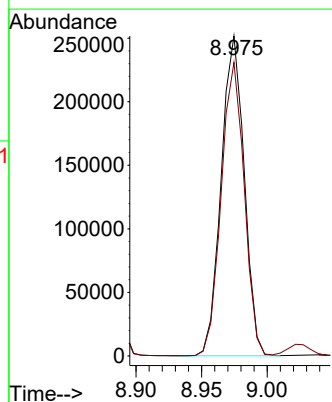
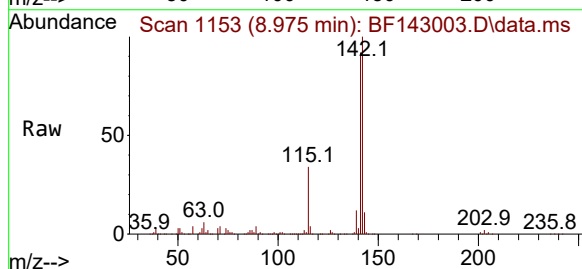
Instrument :
BNA_F
ClientSampleId :
SSTDCCC040

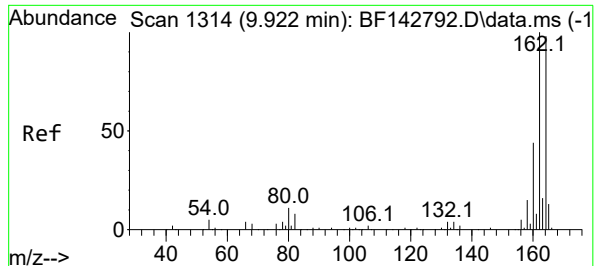
Tgt Ion:142 Resp: 297088
Ion Ratio Lower Upper
142 100
141 87.4 70.9 106.3



#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

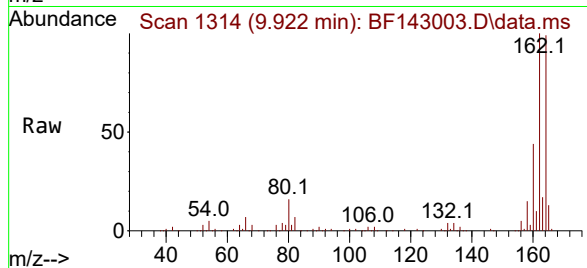
Acq: 07 Jul 2025 12:12

Instrument :

BNA_F

ClientSampleId :

SSTDCCC040



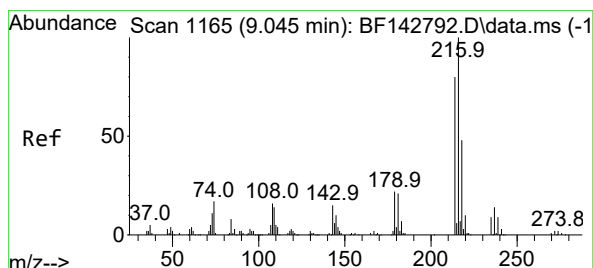
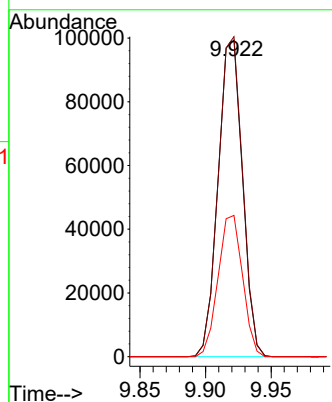
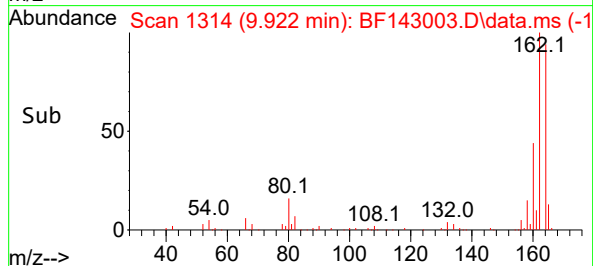
Tgt Ion:164 Resp: 128386

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

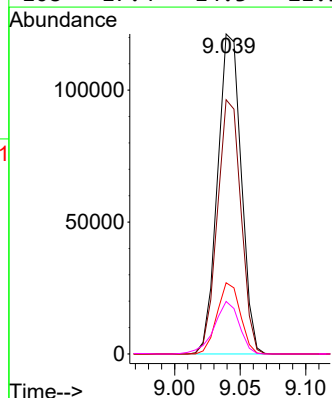
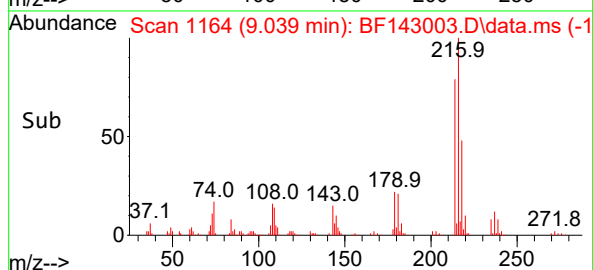
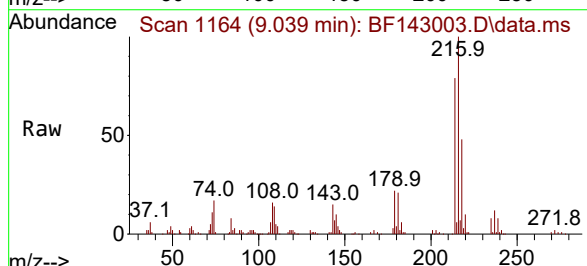
Ion Ratio Lower Upper

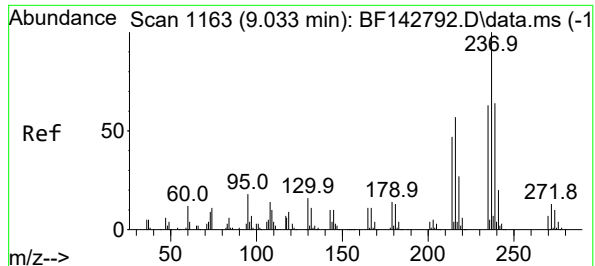
216 100

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

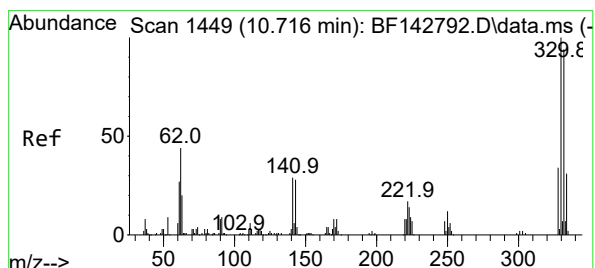
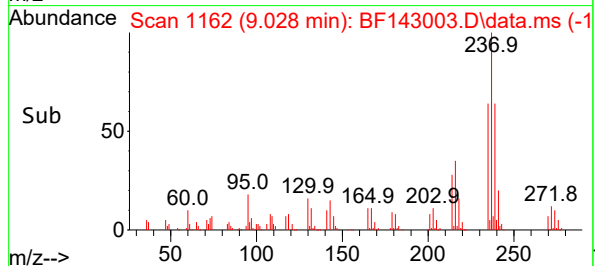
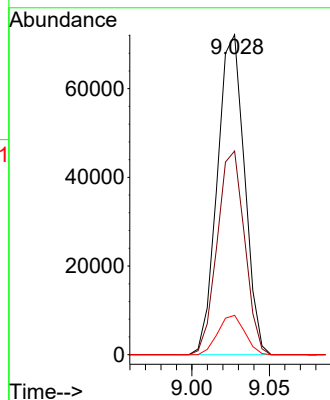
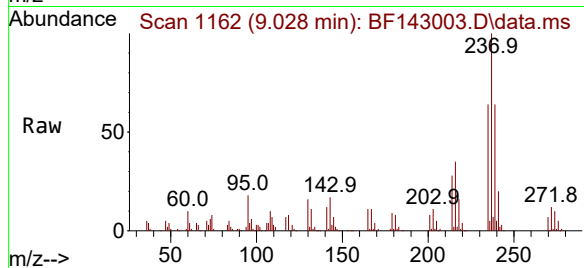
Tgt Ion:237 Resp: 88069

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

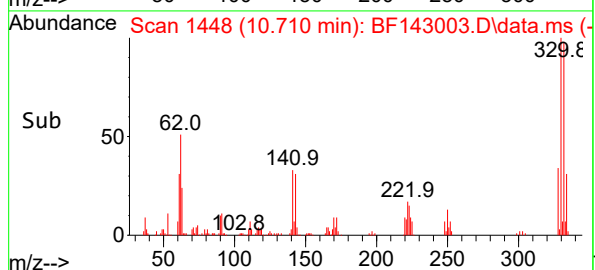
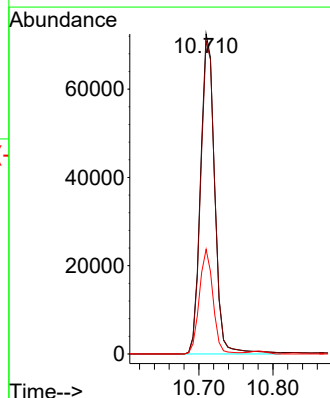
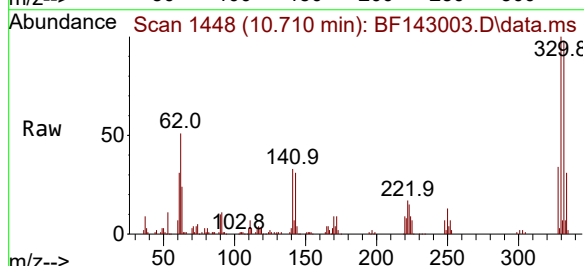
Tgt Ion:330 Resp: 95878

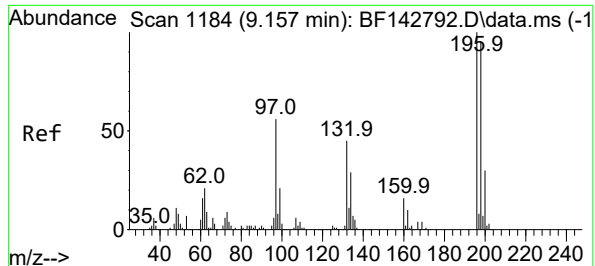
Ion Ratio Lower Upper

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

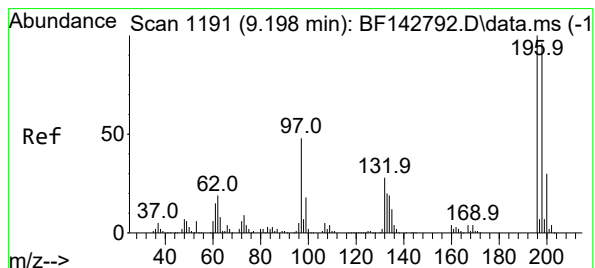
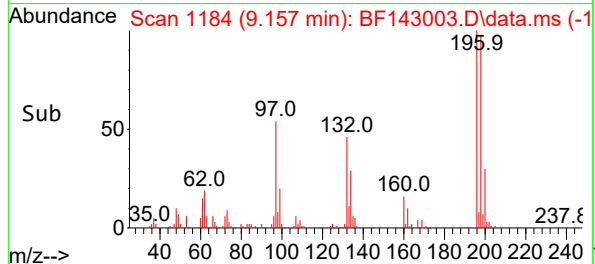
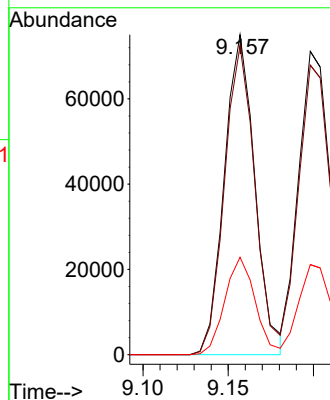
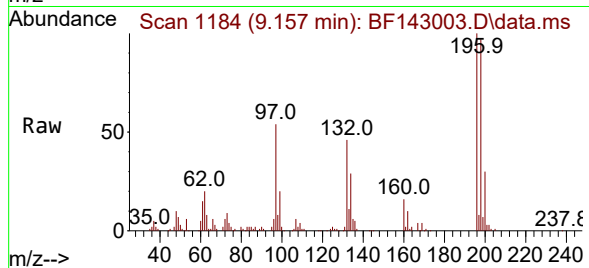
Tgt Ion:196 Resp: 93588

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

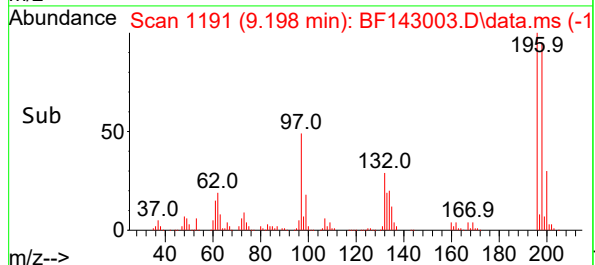
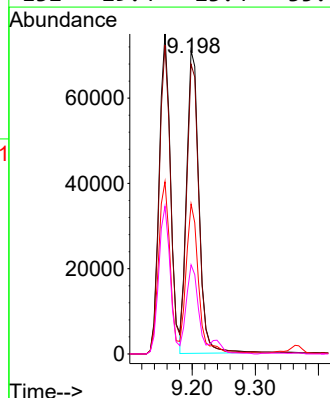
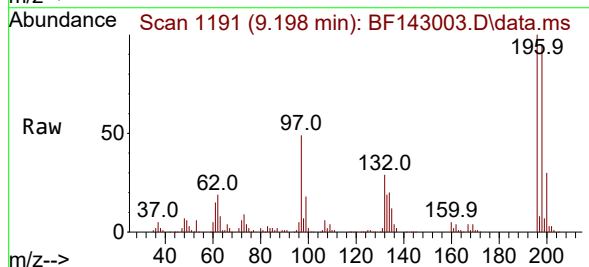
Ion Ratio Lower Upper

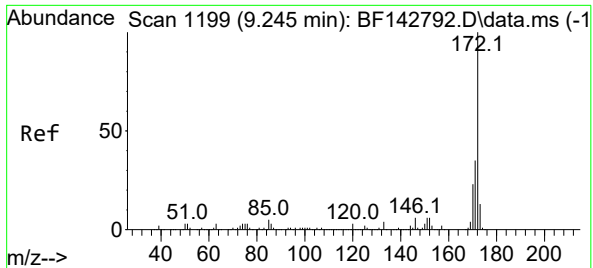
196 100

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

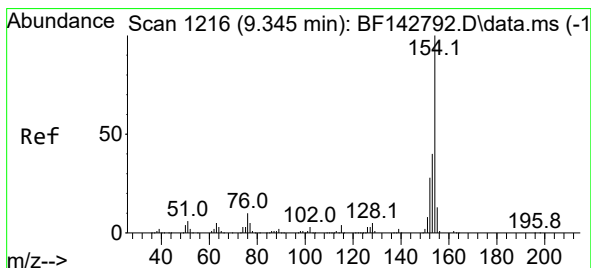
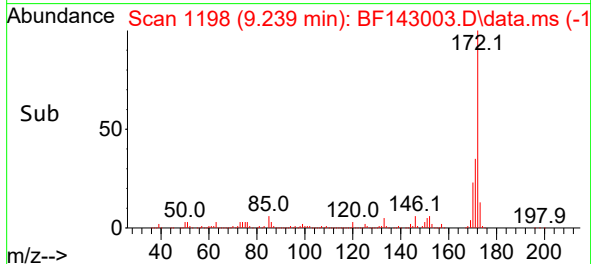
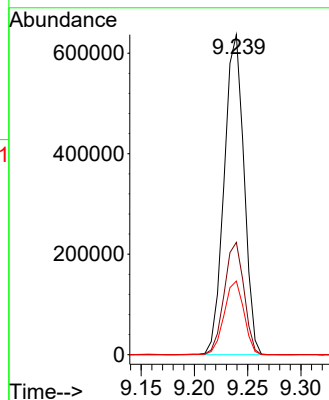
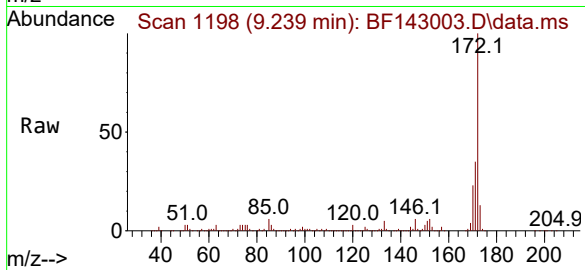
Tgt Ion:172 Resp: 821191

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

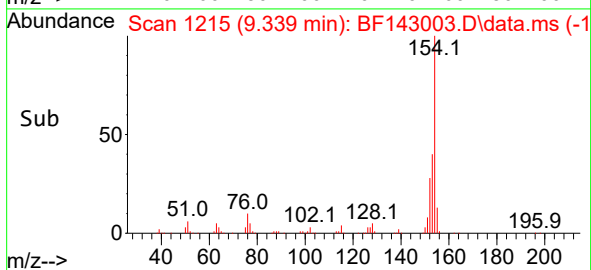
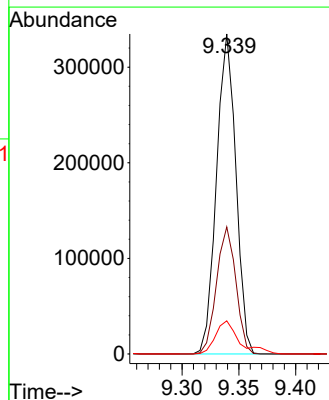
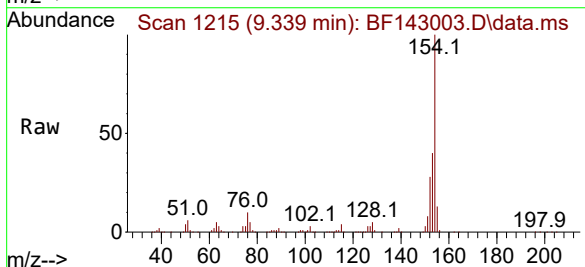
Tgt Ion:154 Resp: 397007

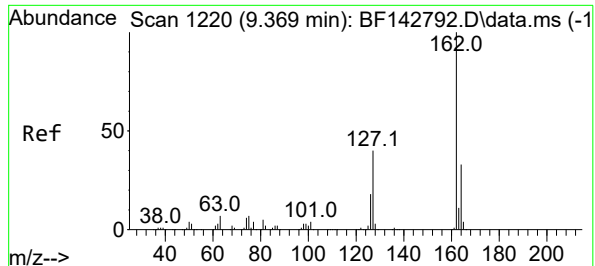
Ion Ratio Lower Upper

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

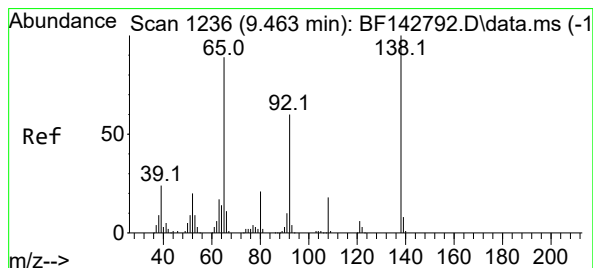
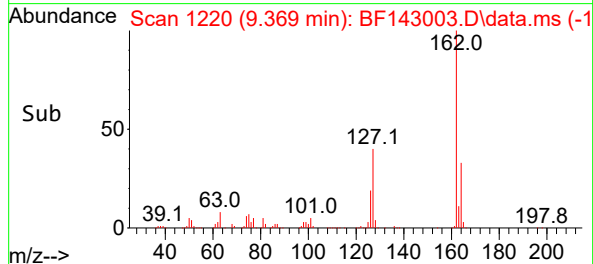
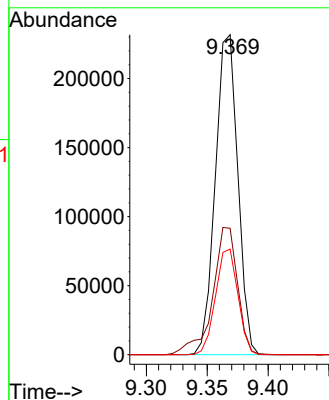
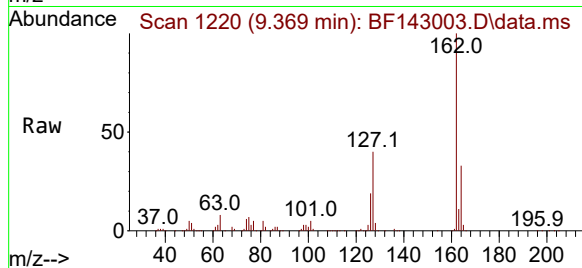
Tgt Ion:162 Resp: 297910

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

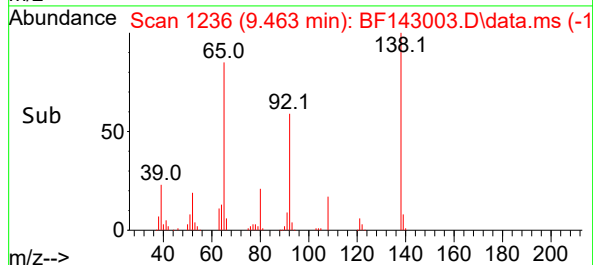
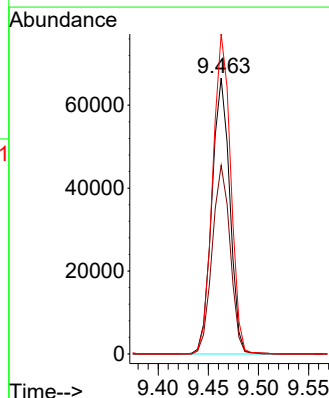
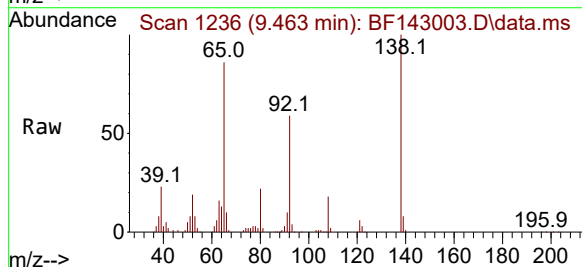
Tgt Ion: 65 Resp: 82602

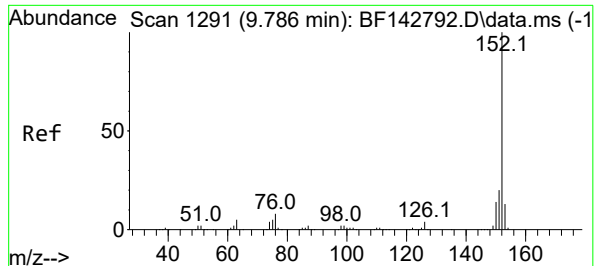
Ion Ratio Lower Upper

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

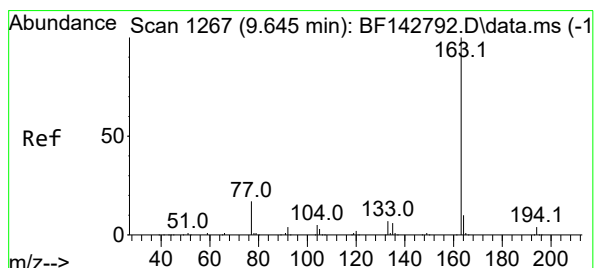
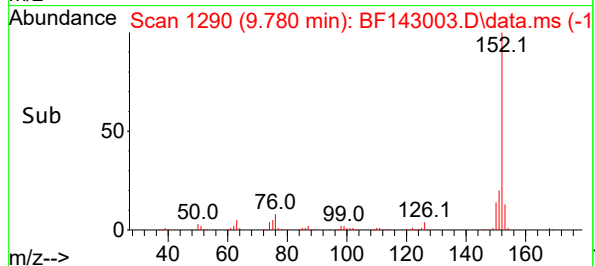
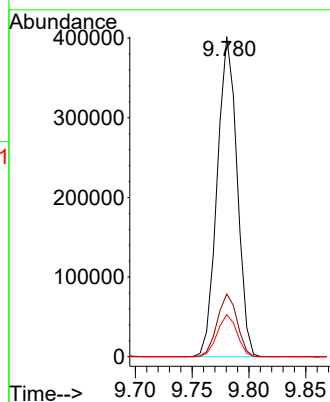
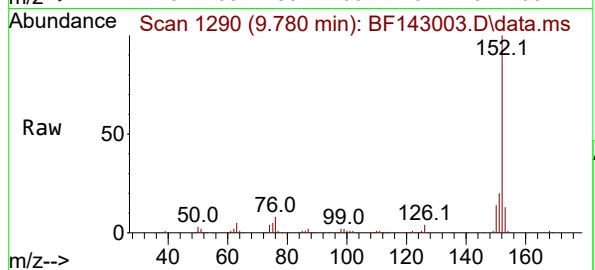
Tgt Ion:152 Resp: 489067

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

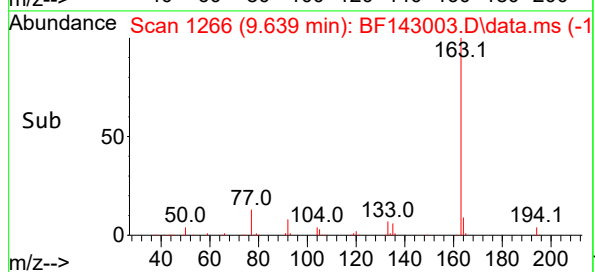
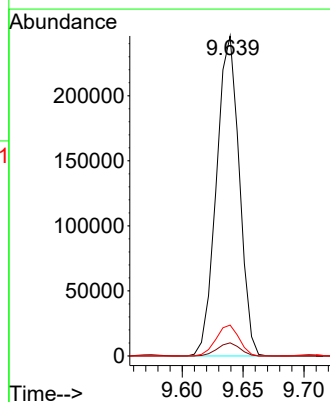
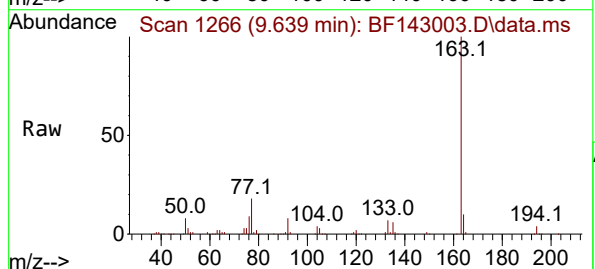
Tgt Ion:163 Resp: 321177

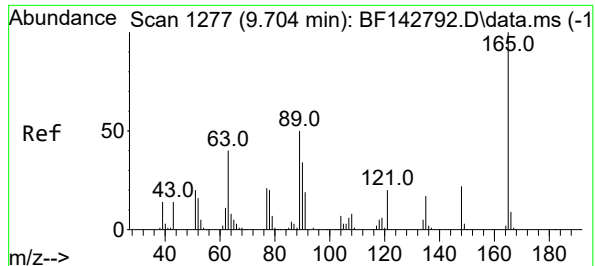
Ion Ratio Lower Upper

163 100

194 4.1 3.3 4.9

164 9.6 8.0 12.0

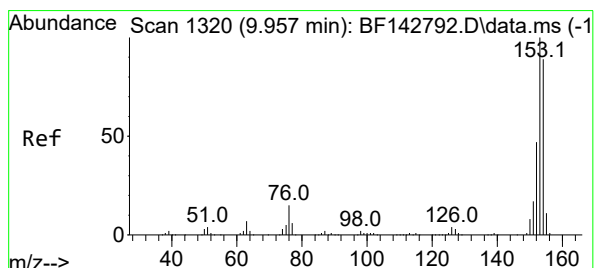
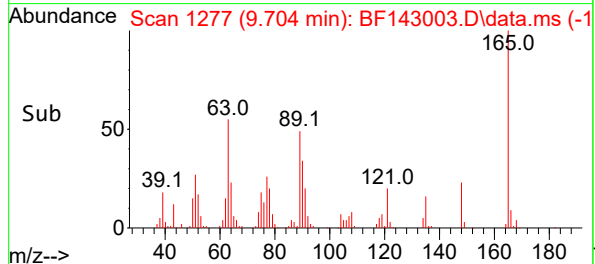
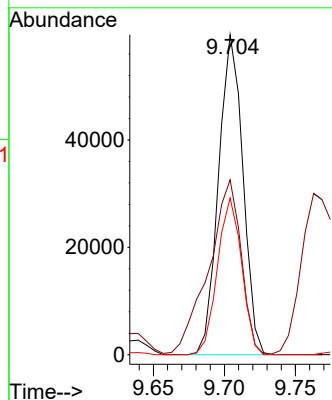
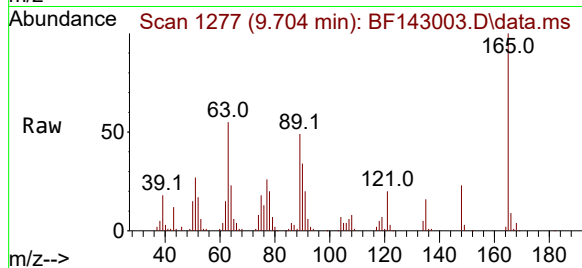




#51
2,6-Dinitrotoluene
Concen: 38.826 ng
RT: 9.704 min Scan# 11
Delta R.T. -0.000 min
Lab File: BF143003.D
Acq: 07 Jul 2025 12:12

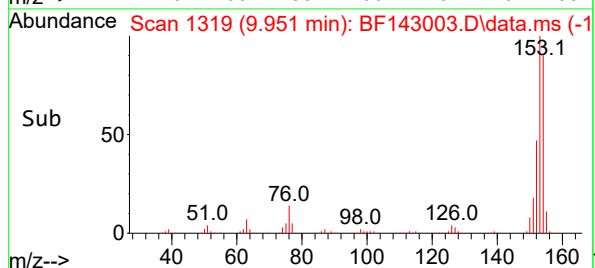
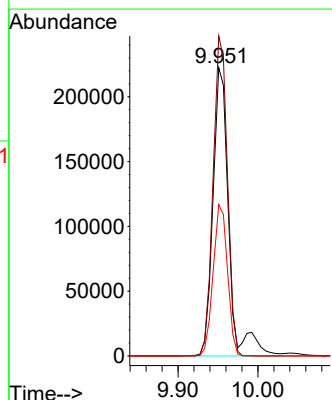
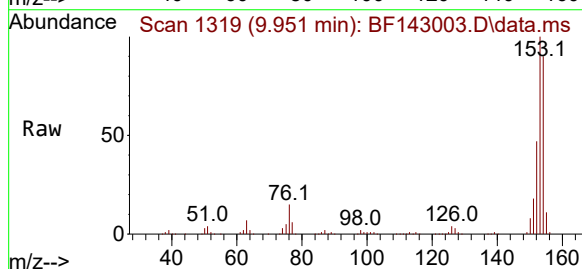
Instrument :
BNA_F
ClientSampleId :
SSTDCCC040

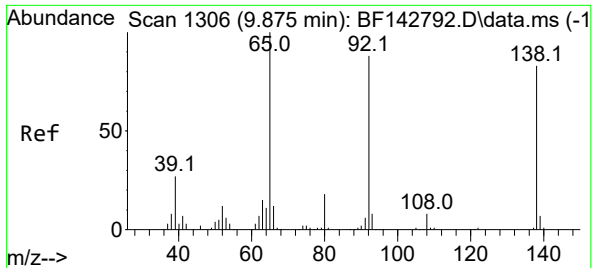
Tgt Ion	165	Resp	70859
Ion	Ratio	Lower	Upper
165	100		
63	54.7	44.2	66.4
89	49.0	39.8	59.8



#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	154	Resp	306426
Ion	Ratio	Lower	Upper
154	100		
153	111.0	90.0	135.0
152	52.5	41.9	62.9

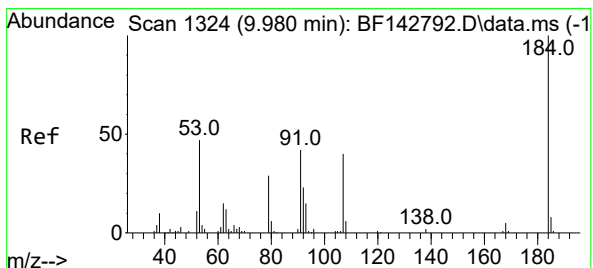
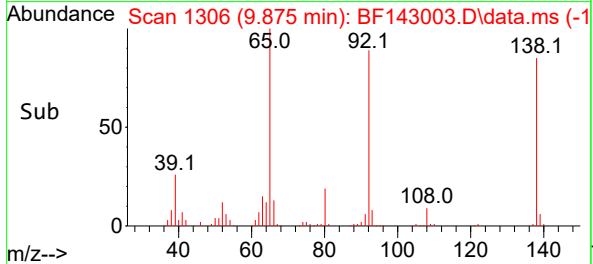
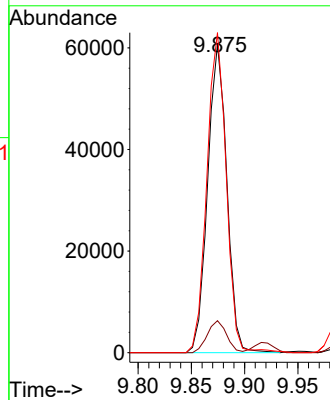
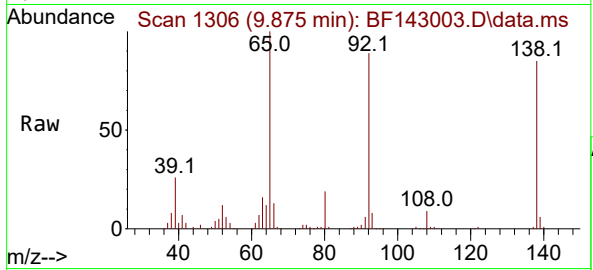




#53
3-Nitroaniline
Concen: 37.896 ng
RT: 9.875 min Scan# 11
Delta R.T. -0.000 min
Lab File: BF143003.D
Acq: 07 Jul 2025 12:12

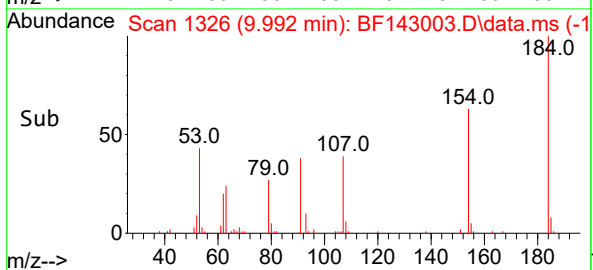
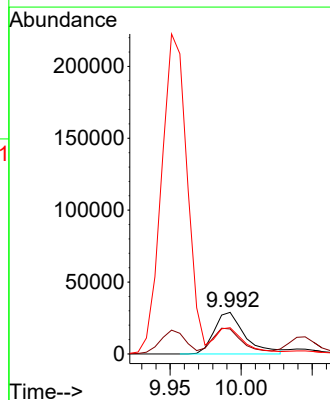
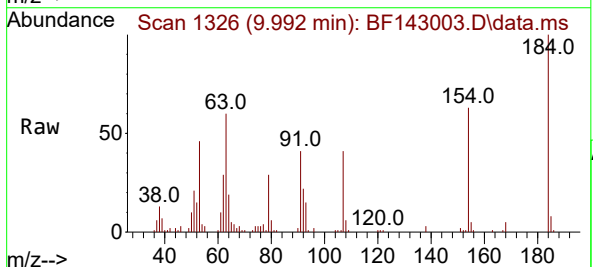
Instrument :
BNA_F
ClientSampleId :
SSTDCCC040

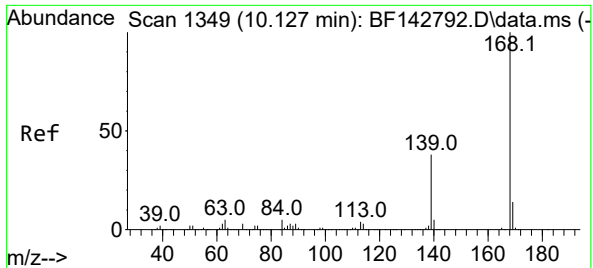
Tgt Ion:138 Resp: 76148
Ion Ratio Lower Upper
138 100
108 10.4 8.1 12.1
92 103.7 85.1 127.7



#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

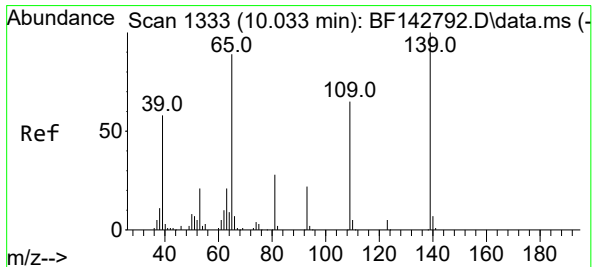
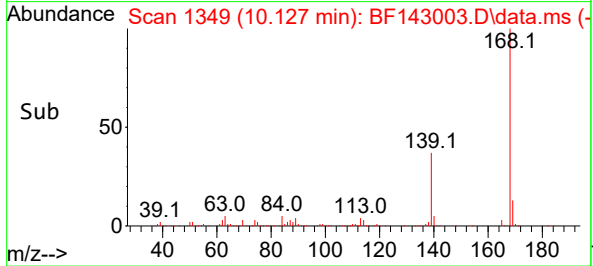
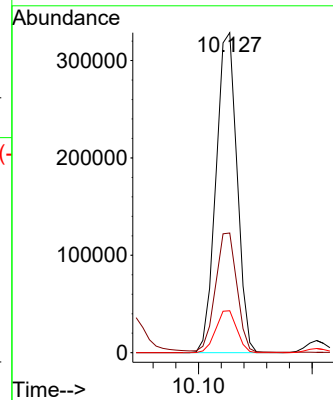
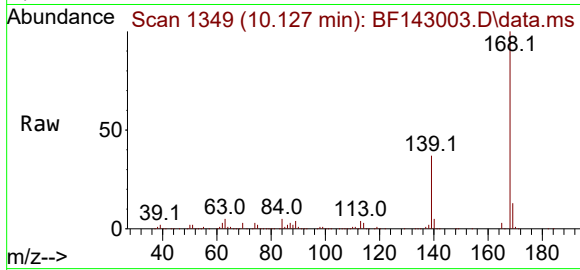
Tgt Ion:168 Resp: 422464

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

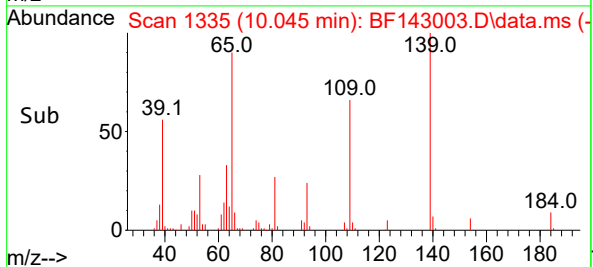
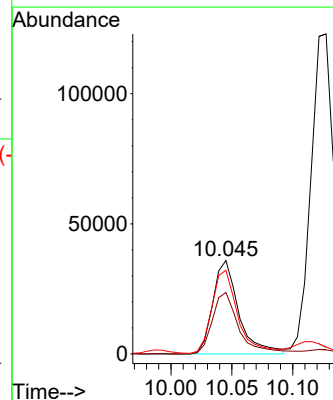
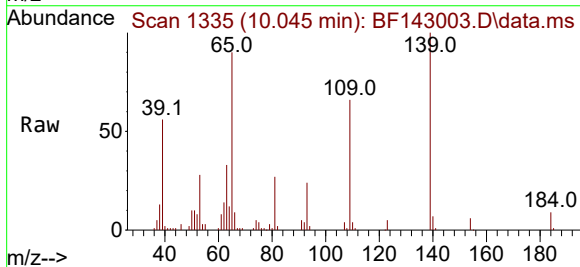
Tgt Ion:139 Resp: 53076

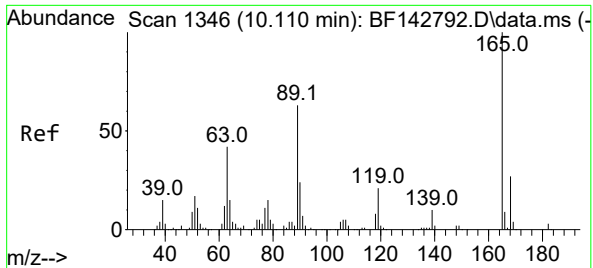
Ion Ratio Lower Upper

139 100

109 65.8 44.7 84.7

65 89.5 69.8 109.8

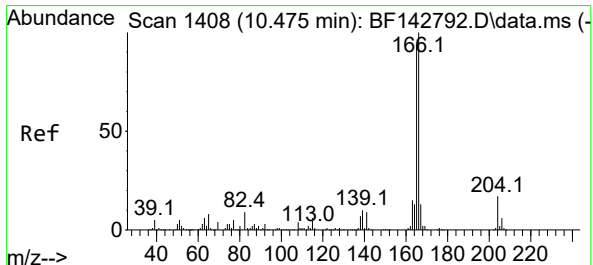
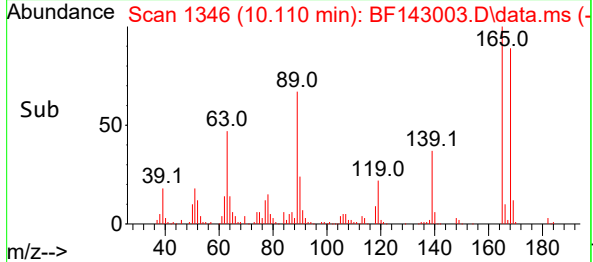
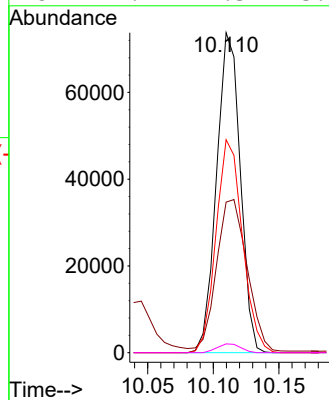
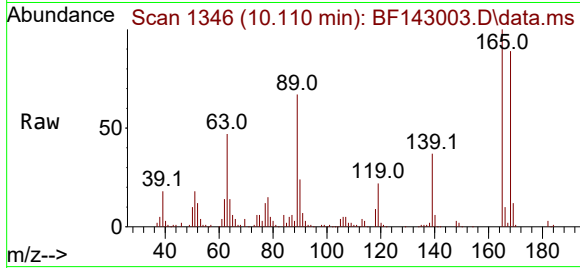




#57
2,4-Dinitrotoluene
Concen: 38.178 ng
RT: 10.110 min Scan# 11
Delta R.T. -0.000 min
Lab File: BF143003.D
Acq: 07 Jul 2025 12:12

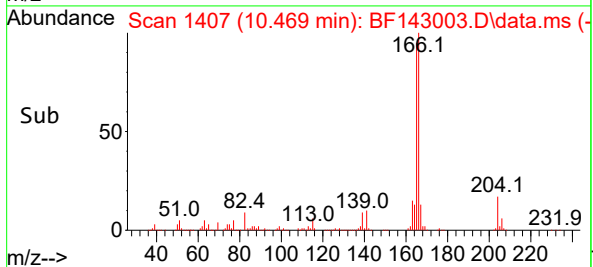
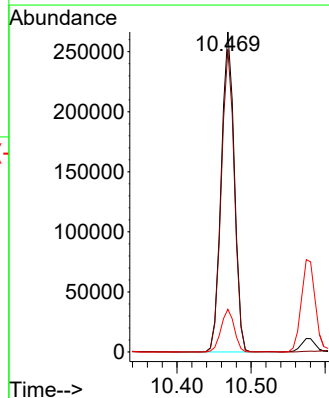
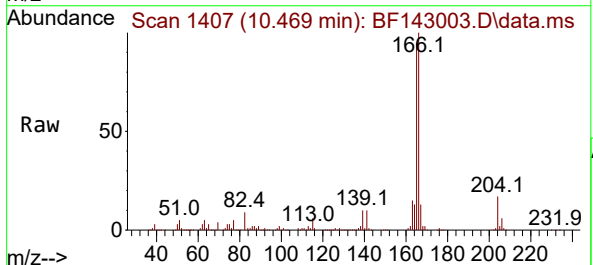
Instrument :
BNA_F
ClientSampleId :
SSTDCCC040

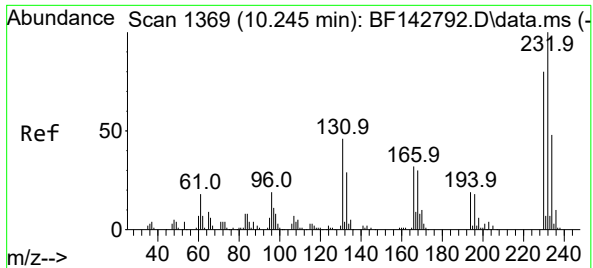
Tgt Ion	Ratio	Lower	Upper
165	100		
63	47.1	33.9	50.9
89	66.5	50.6	75.8
182	2.7	2.3	3.5



#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	Ratio	Lower	Upper
166	100		
165	94.6	75.2	112.8
167	13.4	10.6	15.8

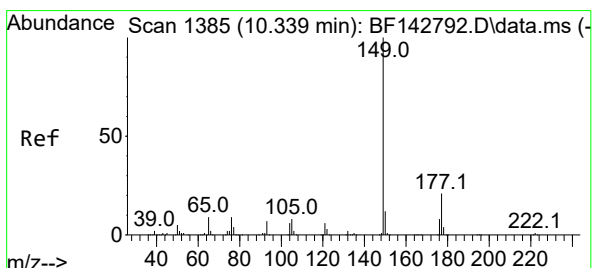
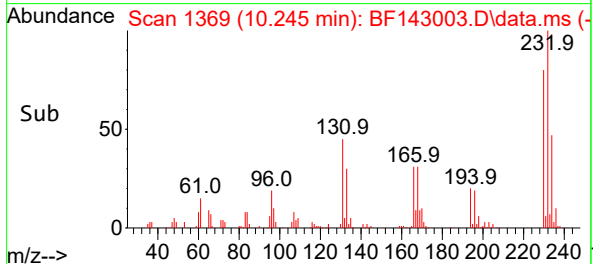
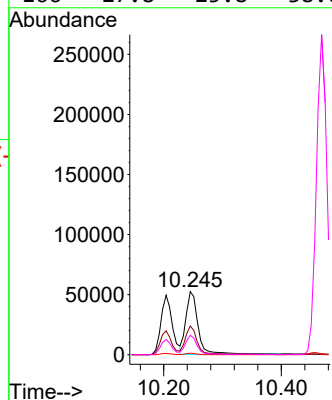
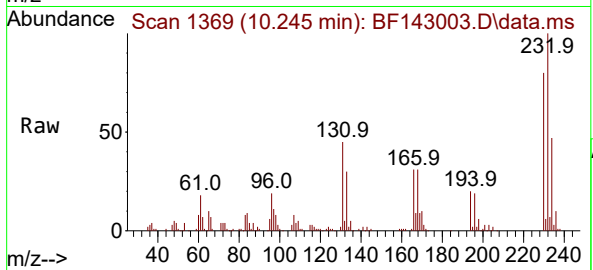




#59
2,3,4,6-Tetrachlorophenol
Concen: 35.944 ng
RT: 10.245 min Scan# 1369
Delta R.T. -0.000 min
Lab File: BF143003.D
Acq: 07 Jul 2025 12:12

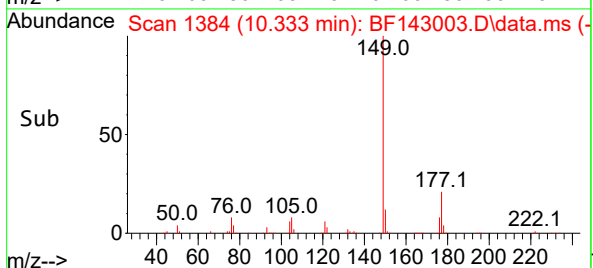
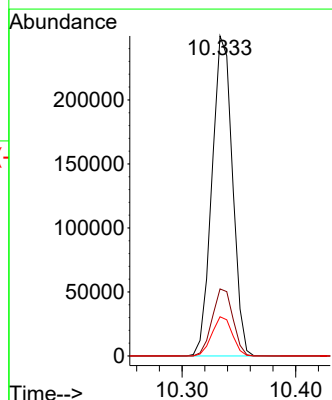
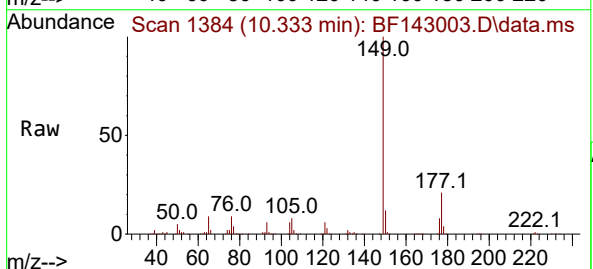
Instrument :
BNA_F
ClientSampleId :
SSTDCCC040

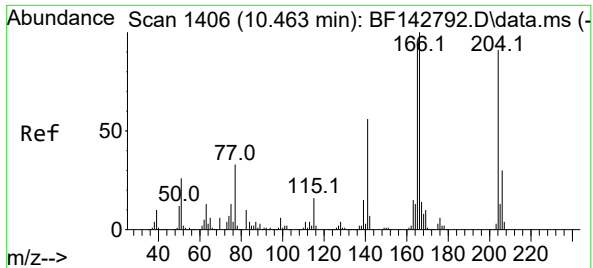
Tgt Ion:232 Resp: 75288
Ion Ratio Lower Upper
232 100
131 43.2 37.6 56.4
130 2.2 1.7 2.5
166 27.8 25.8 38.6



#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

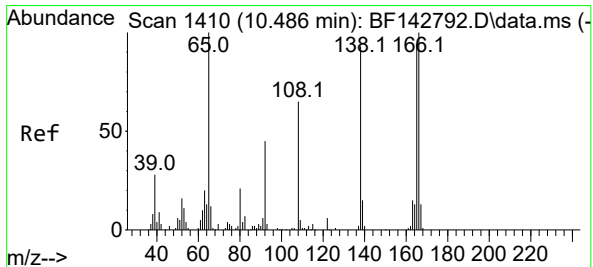
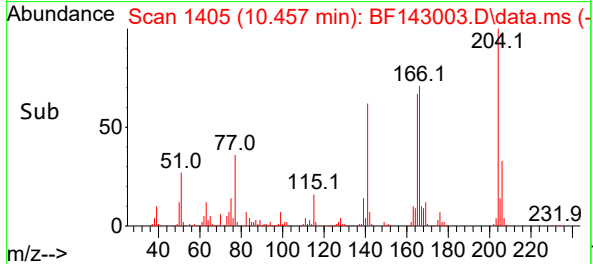
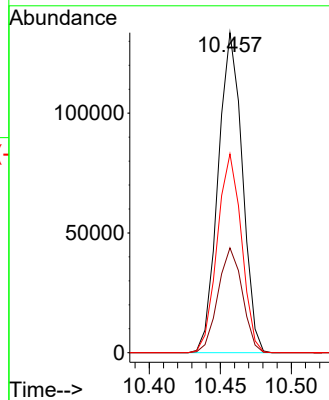
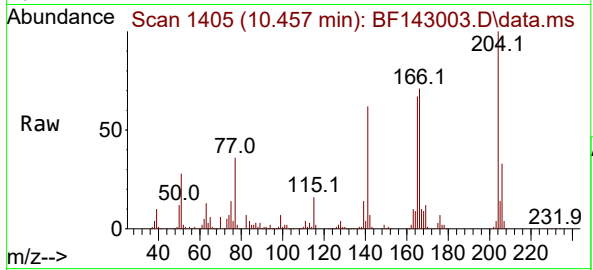




#61
4-Chlorophenyl-phenylether
Concen: 38.716 ng
RT: 10.457 min Scan# 1405
Delta R.T. -0.006 min
Lab File: BF143003.D
Acq: 07 Jul 2025 12:12

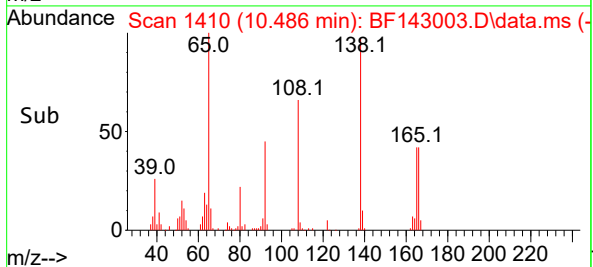
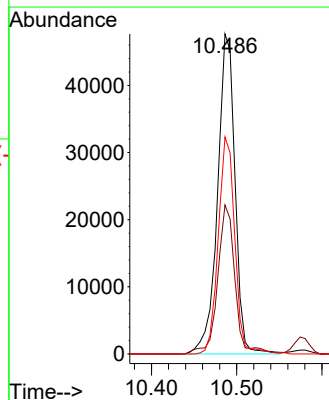
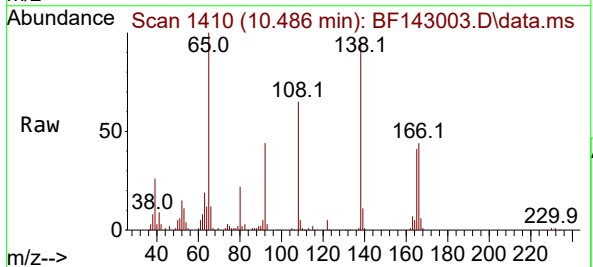
Instrument :
BNA_F
ClientSampleId :
SSTDCCC040

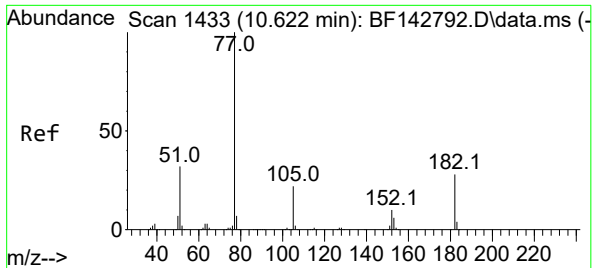
Tgt Ion:204 Resp: 158156
Ion Ratio Lower Upper
204 100
206 32.8 26.3 39.5
141 62.1 49.1 73.7



#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

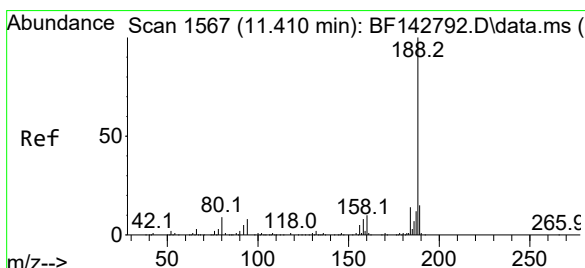
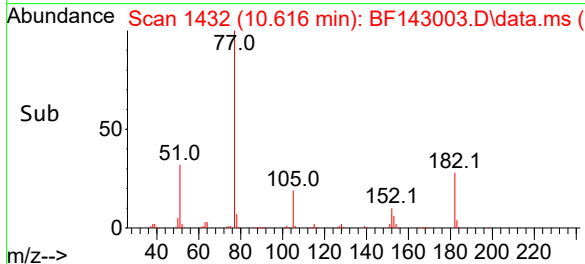
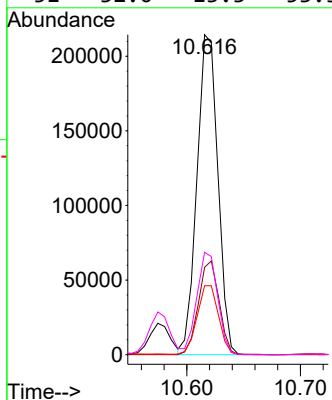
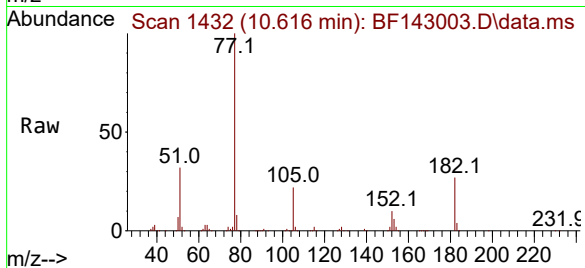




#63
Azobenzene
Concen: 37.788 ng
RT: 10.616 min Scan# 1432
Delta R.T. -0.006 min
Lab File: BF143003.D
Acq: 07 Jul 2025 12:12

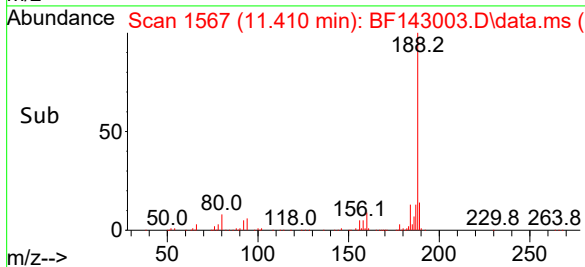
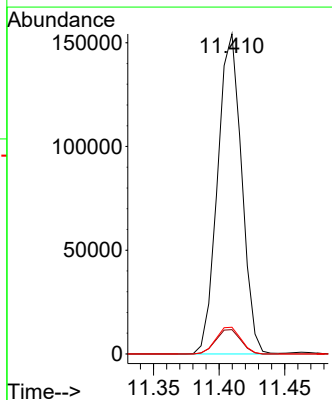
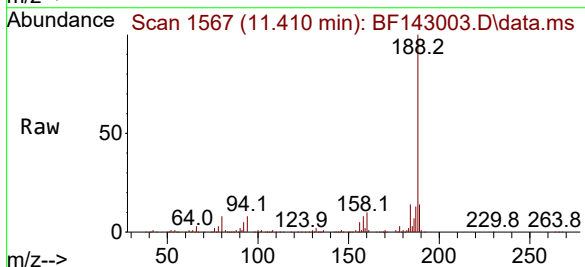
Instrument :
BNA_F
ClientSampleId :
SSTDCCC040

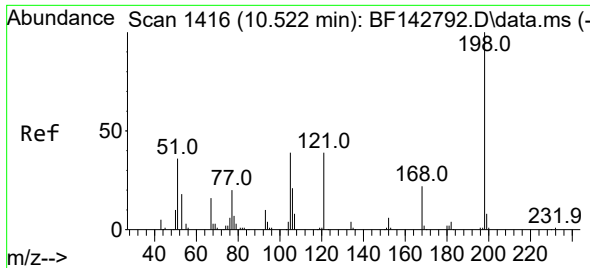
Tgt Ion: 77 Resp: 275193
Ion Ratio Lower Upper
77 100
182 27.3 7.7 47.7
105 21.6 1.9 41.9
51 32.0 13.3 53.3



#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

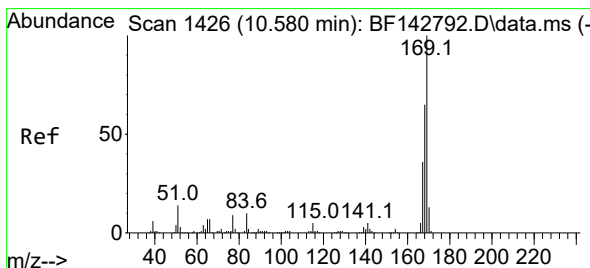
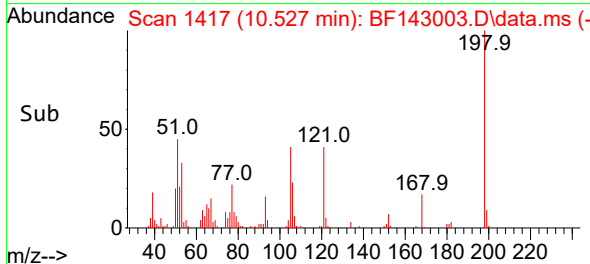
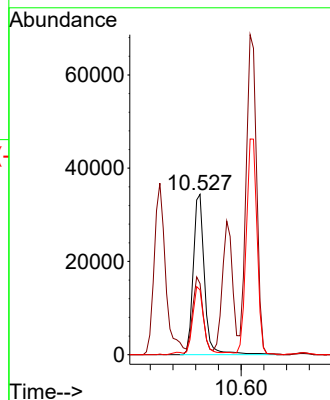
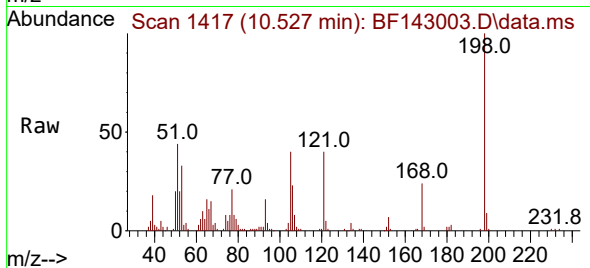




#65
4,6-Dinitro-2-methylphenol
Concen: 39.944 ng
RT: 10.527 min Scan# 1416
Delta R.T. 0.006 min
Lab File: BF143003.D
Acq: 07 Jul 2025 12:12

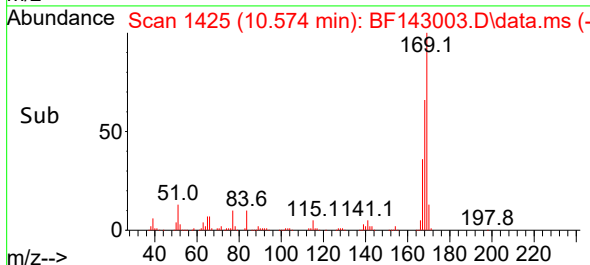
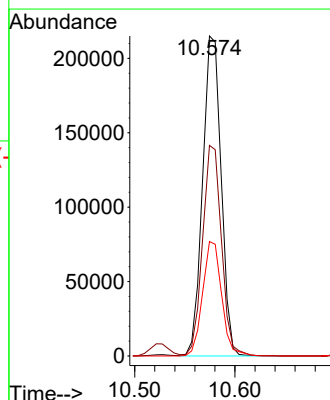
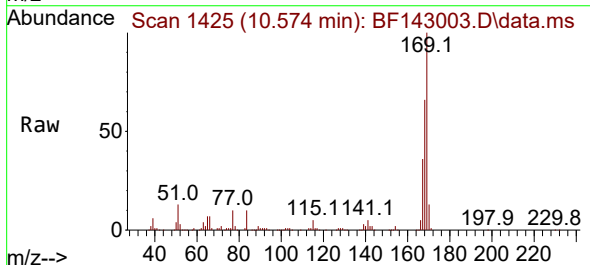
Instrument :
BNA_F
ClientSampleId :
SSTDCCC040

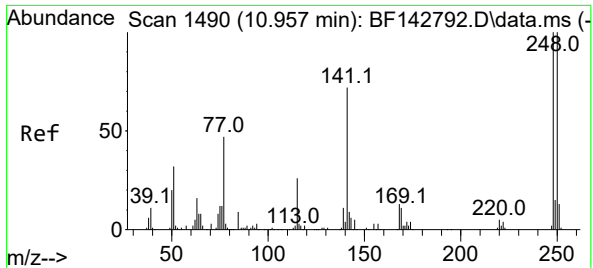
Tgt Ion:198 Resp: 47520
Ion Ratio Lower Upper
198 100
51 44.4 25.4 65.4
105 40.4 20.4 60.4



#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

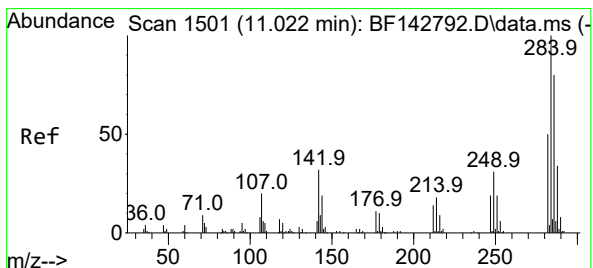
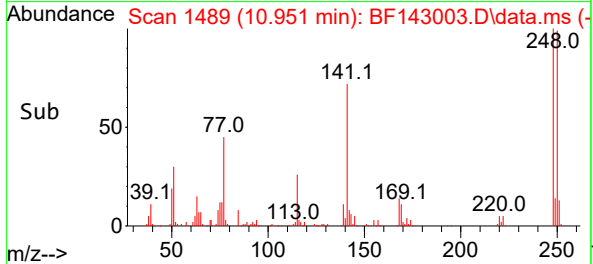
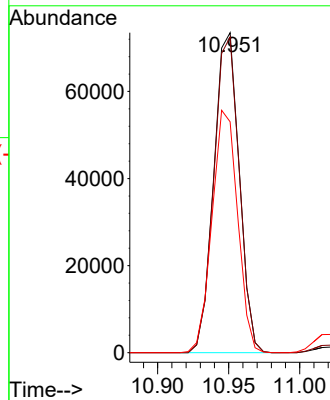
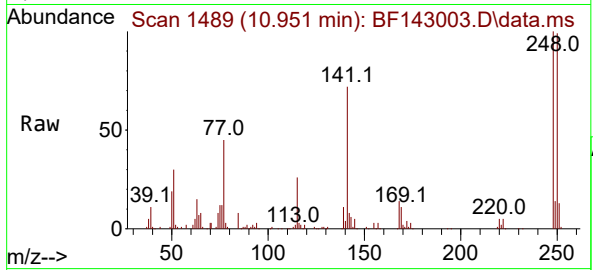




#67
4-Bromophenyl-phenylether
Concen: 40.831 ng
RT: 10.951 min Scan# 1490
Delta R.T. -0.006 min
Lab File: BF143003.D
Acq: 07 Jul 2025 12:12

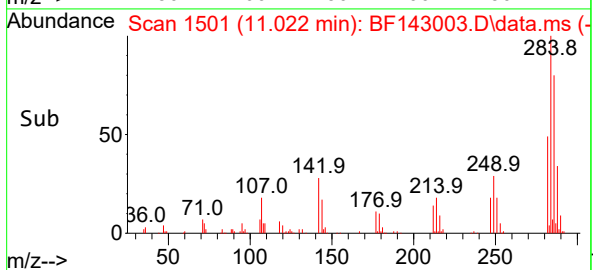
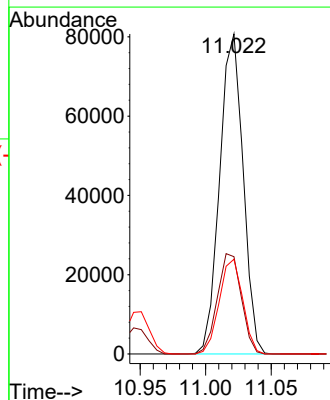
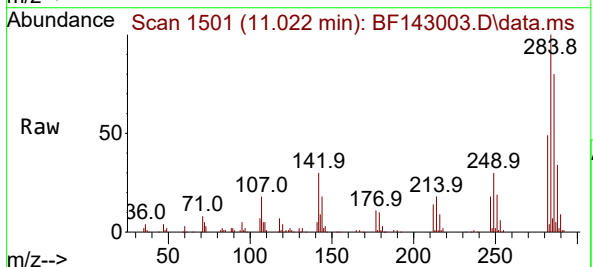
Instrument :
BNA_F
ClientSampleId :
SSTDCCC040

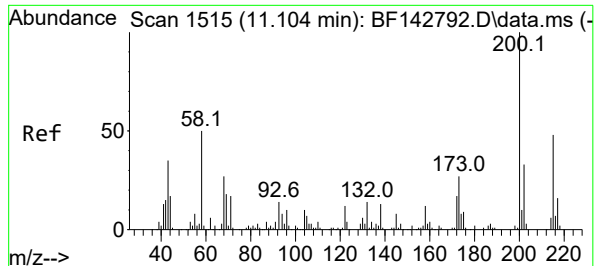
Tgt Ion:248 Resp: 91397
Ion Ratio Lower Upper
248 100
250 98.7 79.8 119.8
141 72.2 57.8 86.6



#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# 1515

Delta R.T. -0.000 min

Lab File: BF143003.D

Acq: 07 Jul 2025 12:12

Instrument :

BNA_F

ClientSampleId :

SSTDCCC040

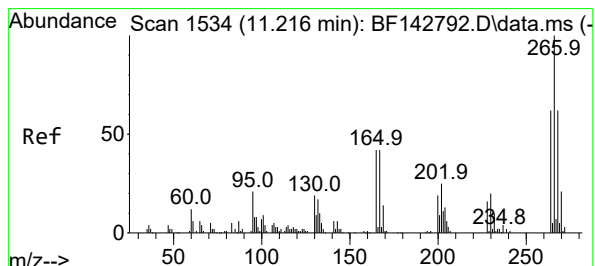
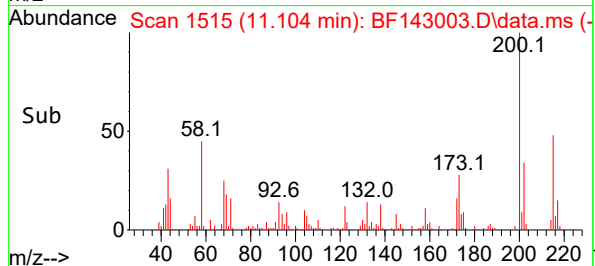
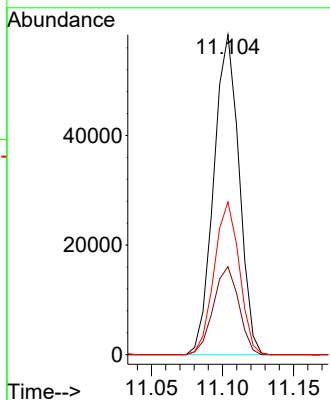
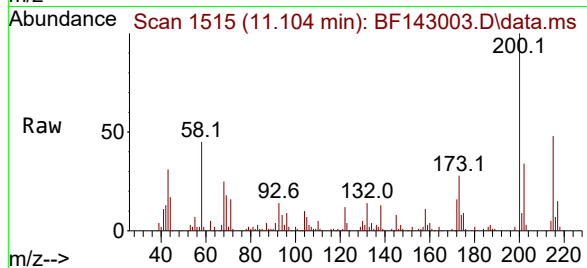
Tgt Ion:200 Resp: 72466

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

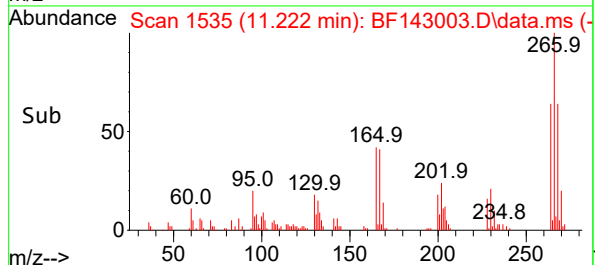
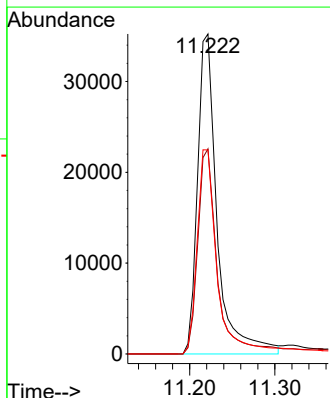
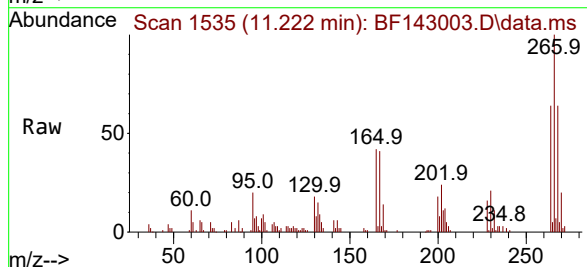
Tgt Ion:266 Resp: 56387

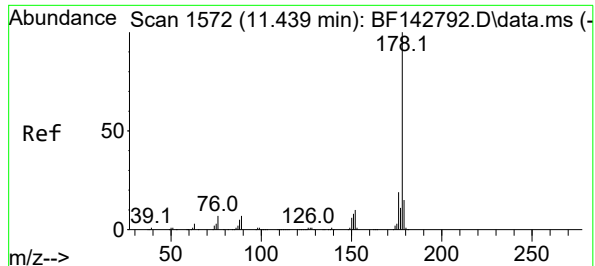
Ion Ratio Lower Upper

266 100

268 64.1 49.8 74.8

264 63.8 49.9 74.9

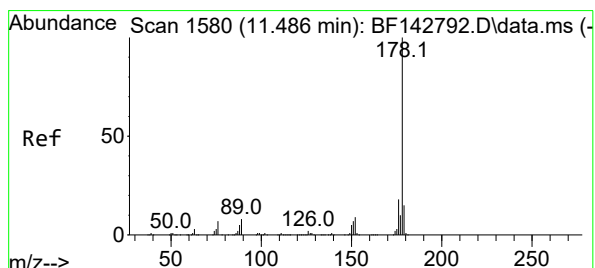
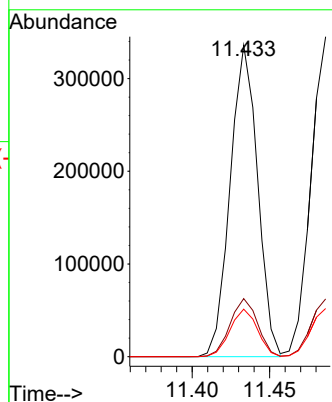
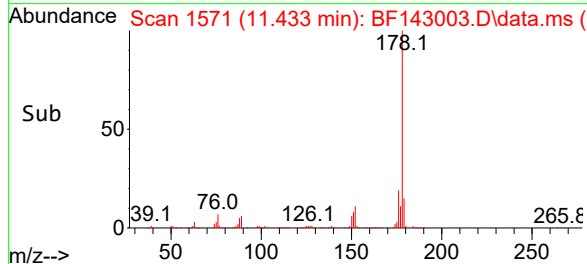
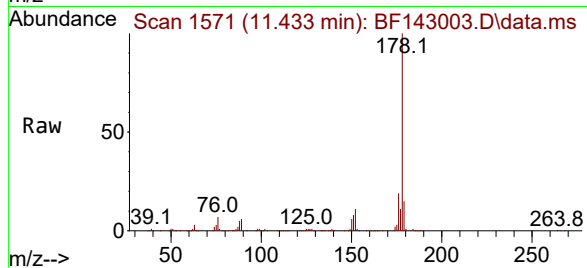




#71
Phenanthrene
Concen: 38.776 ng
RT: 11.433 min Scan# 1571
Delta R.T. -0.006 min
Lab File: BF143003.D
Acq: 07 Jul 2025 12:12

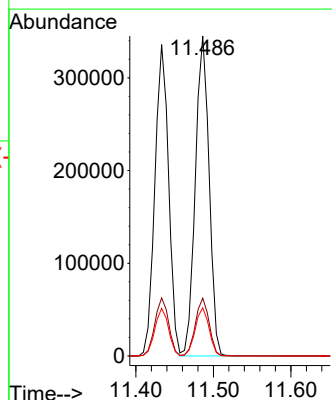
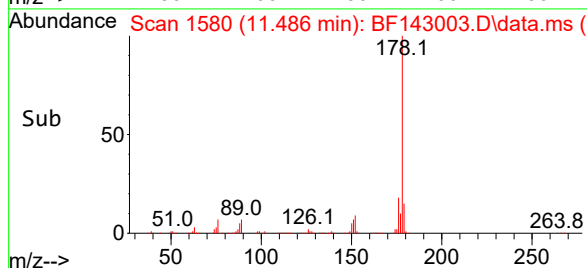
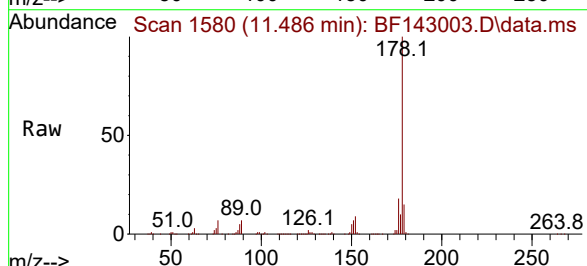
Instrument :
BNA_F
ClientSampleId :
SSTDCCC040

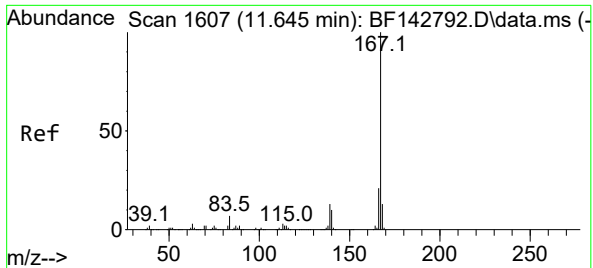
Tgt Ion:178 Resp: 413131
Ion Ratio Lower Upper
178 100
176 18.7 15.1 22.7
179 15.3 12.0 18.0



#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

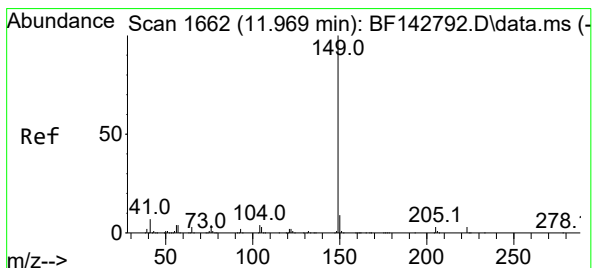
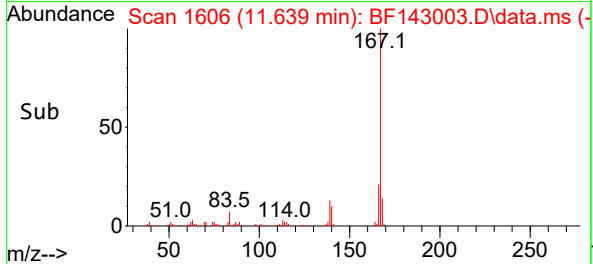
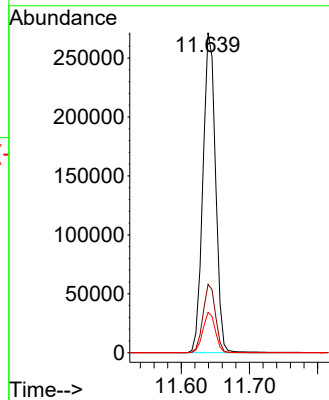
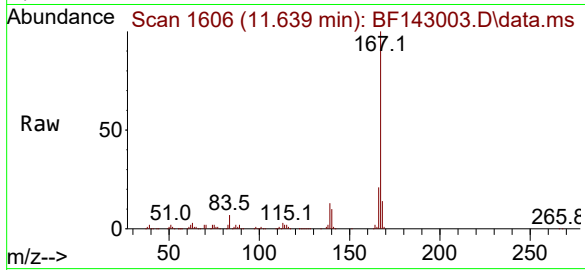




#73
 Carbazole
 Concen: 37.050 ng
 RT: 11.639 min Scan# 1606
 Delta R.T. -0.006 min
 Lab File: BF143003.D
 Acq: 07 Jul 2025 12:12

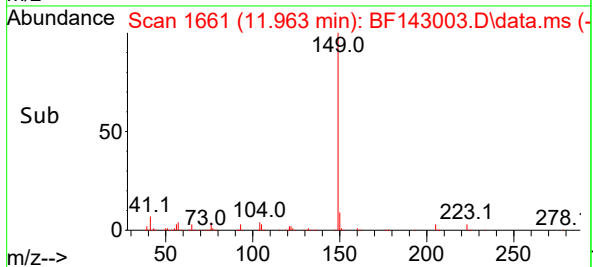
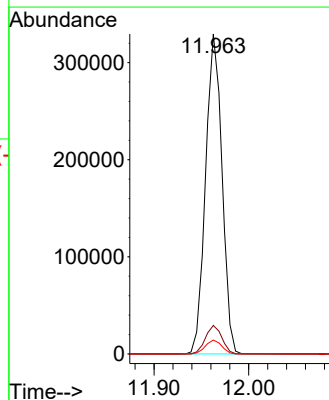
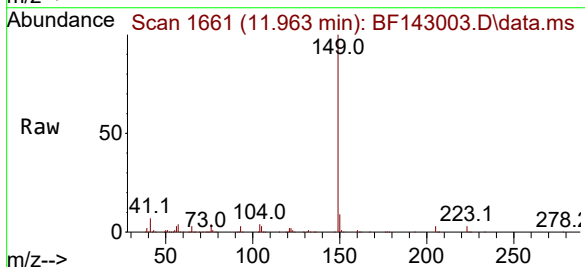
Instrument :
 BNA_F
 ClientSampleId :
 SSTDCCC040

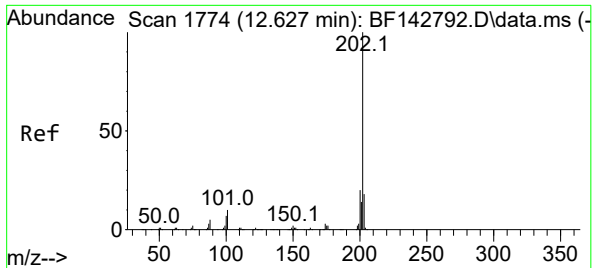
Tgt Ion:167 Resp: 349364
 Ion Ratio Lower Upper
 167 100
 166 21.4 17.0 25.4
 139 12.6 10.2 15.2



#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

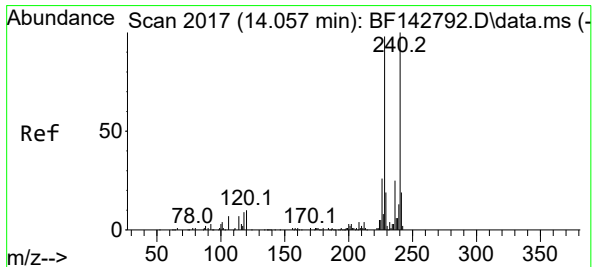
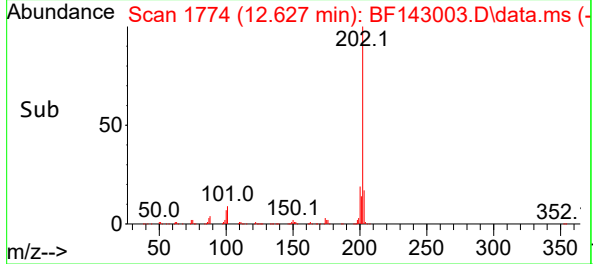
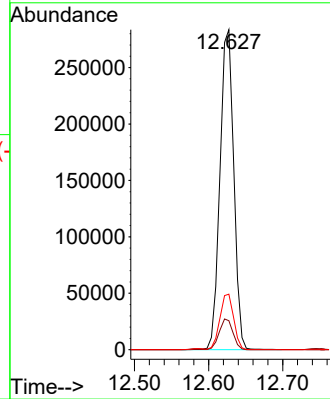
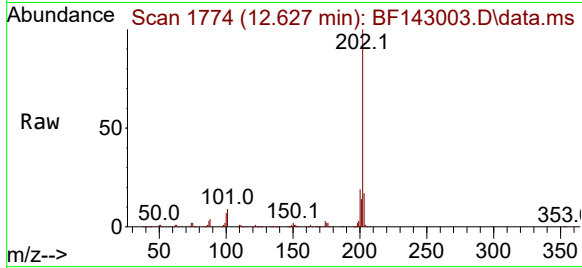




#75
Fluoranthene
Concen: 36.315 ng
RT: 12.627 min Scan# 1774
Delta R.T. -0.000 min
Lab File: BF143003.D
Acq: 07 Jul 2025 12:12

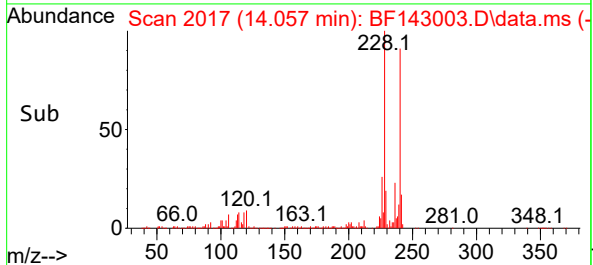
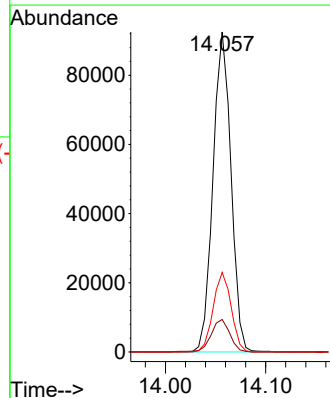
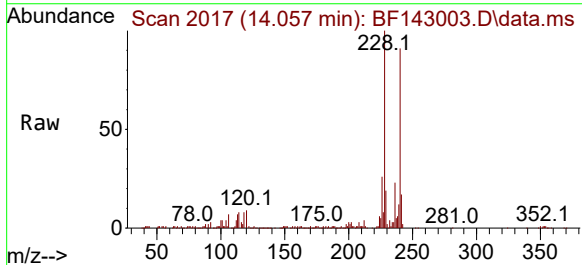
Instrument :
BNA_F
ClientSampleId :
SSTDCCC040

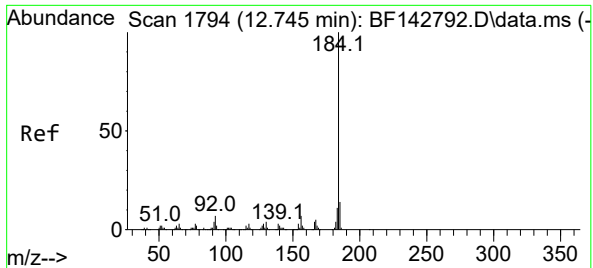
Tgt Ion:202 Resp: 367194
Ion Ratio Lower Upper
202 100
101 9.1 0.0 29.7
203 17.4 0.0 37.5



#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

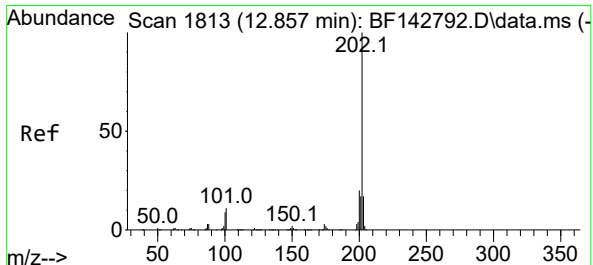
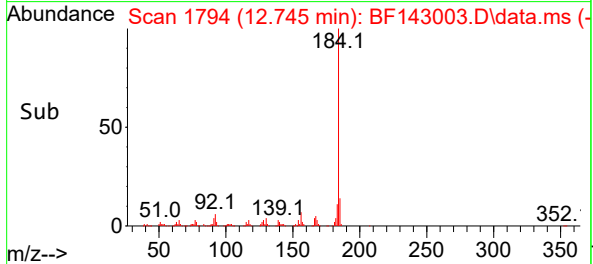
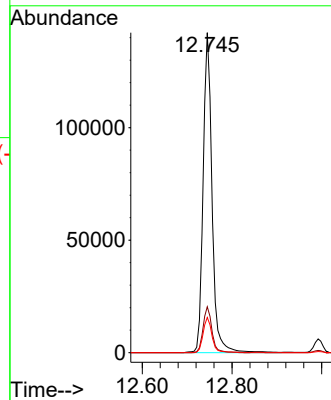
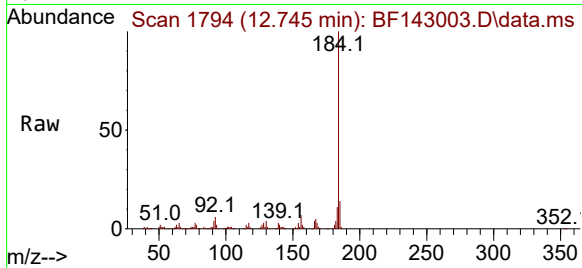




#77
Benzidine
Concen: 45.269 ng
RT: 12.745 min Scan# 1794
Delta R.T. 0.000 min
Lab File: BF143003.D
Acq: 07 Jul 2025 12:12

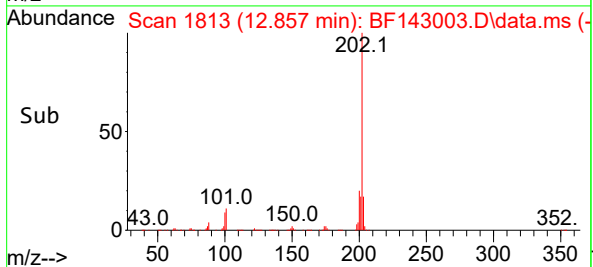
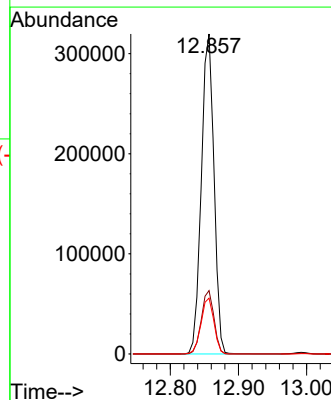
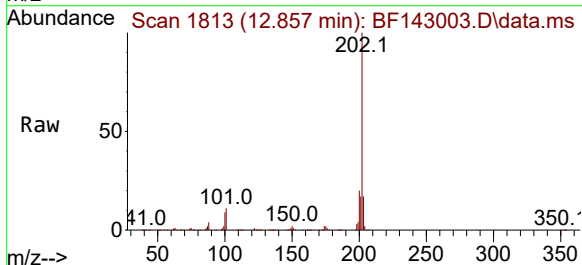
Instrument :
BNA_F
ClientSampleId :
SSTDCCC040

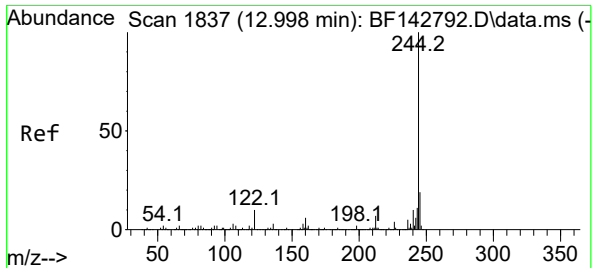
Tgt Ion:184 Resp: 196199
Ion Ratio Lower Upper
184 100
185 14.4 11.5 17.3
183 11.0 9.0 13.4



#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

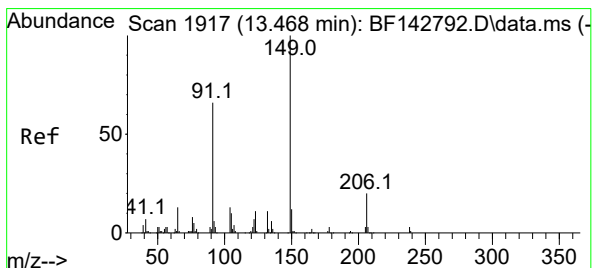
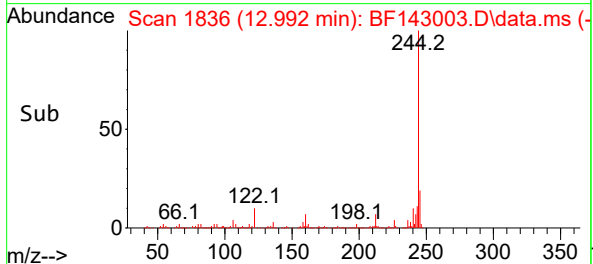
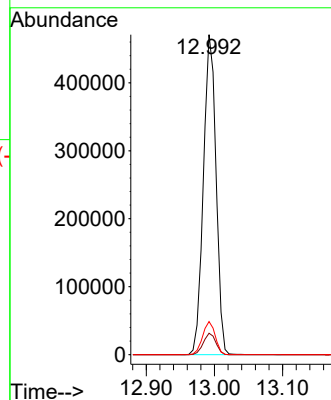
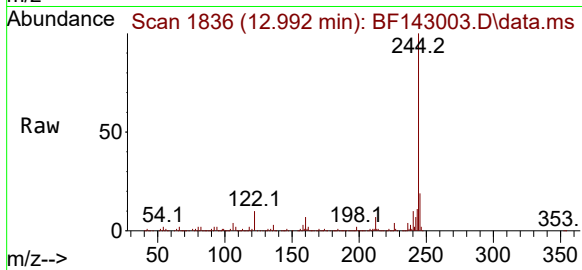
Tgt Ion:244 Resp: 608057

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

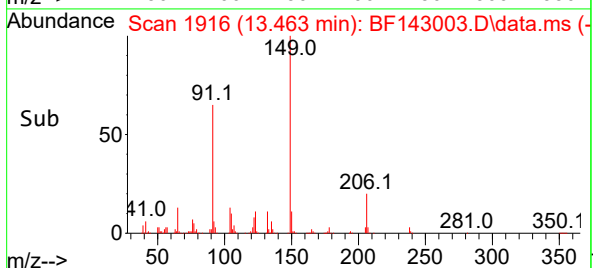
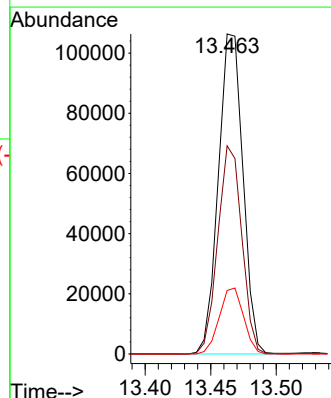
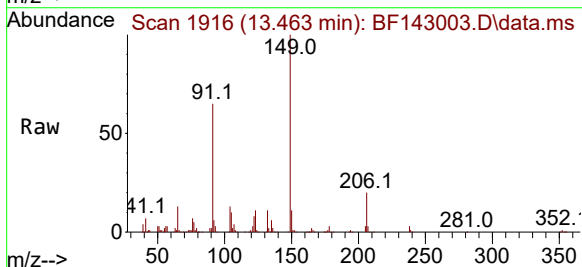
Tgt Ion:149 Resp: 138872

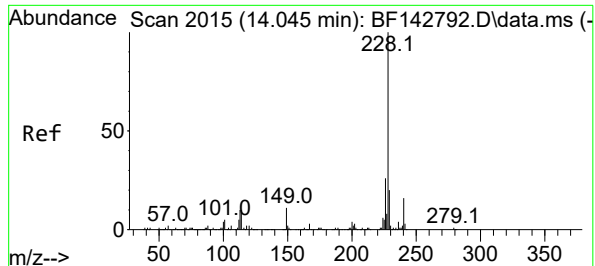
Ion Ratio Lower Upper

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

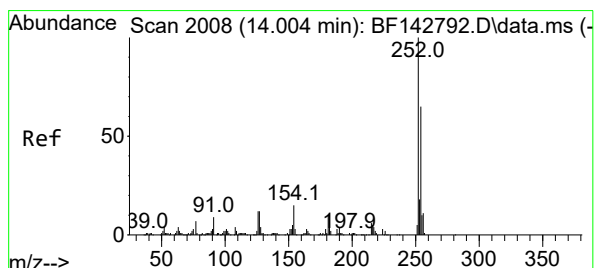
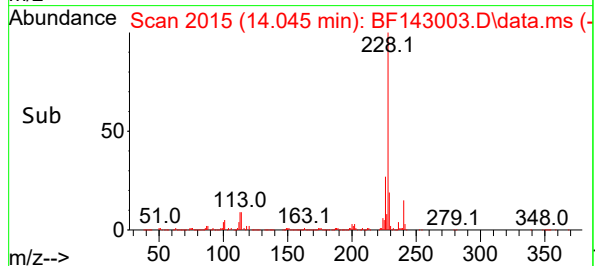
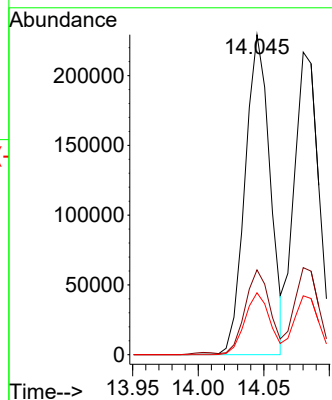
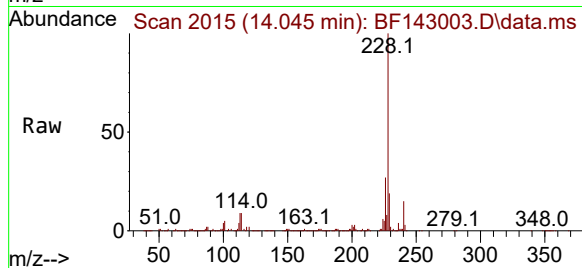
Tgt Ion:228 Resp: 304337

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

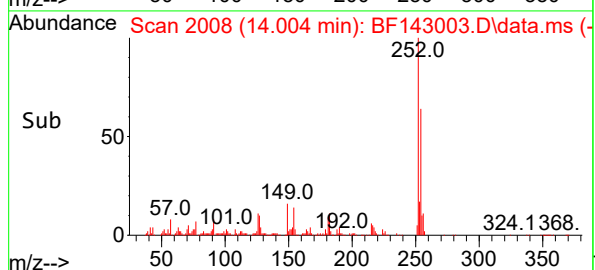
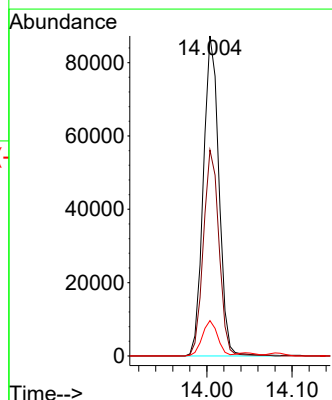
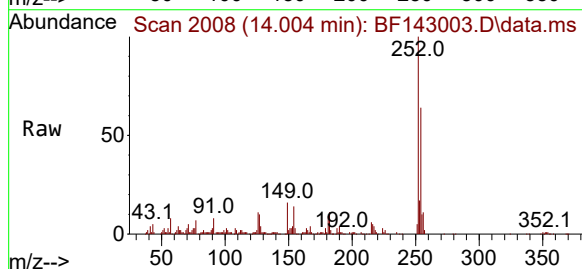
Tgt Ion:252 Resp: 110843

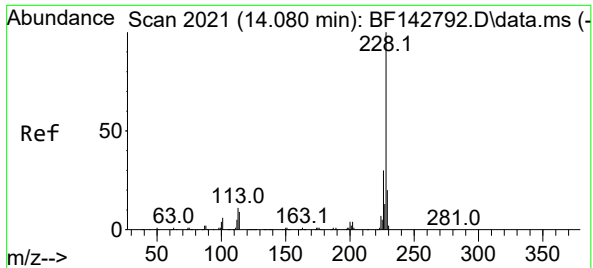
Ion Ratio Lower Upper

252 100

254 64.3 51.7 77.5

126 11.1 9.4 14.2

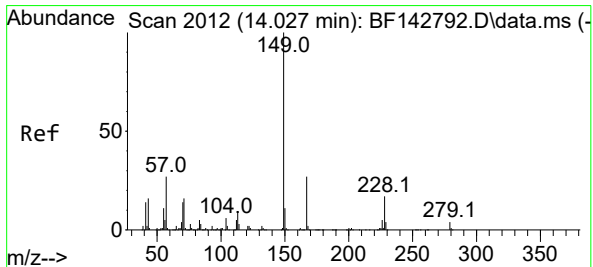
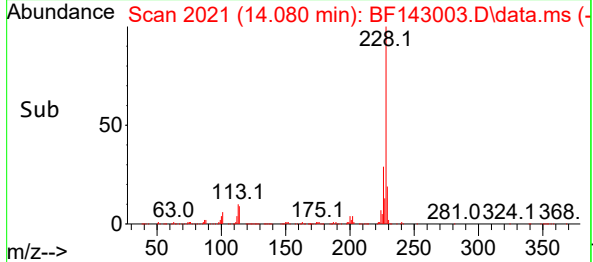
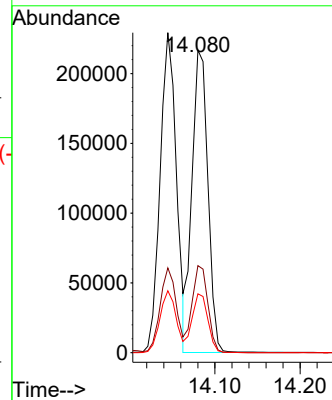
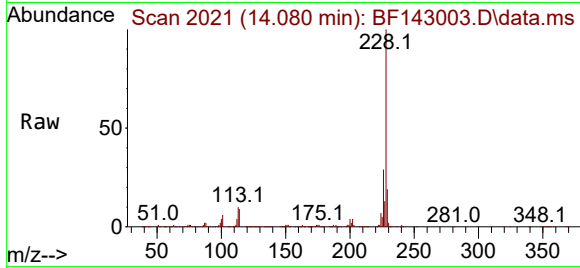




#83
Chrysene
Concen: 40.410 ng
RT: 14.080 min Scan# 2011
Delta R.T. -0.000 min
Lab File: BF143003.D
Acq: 07 Jul 2025 12:12

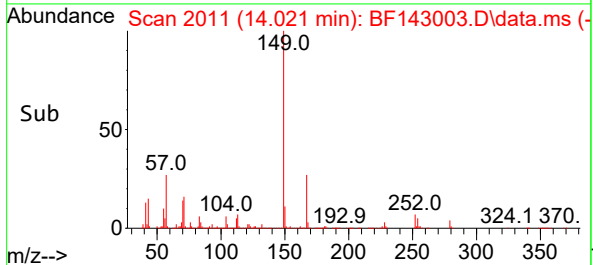
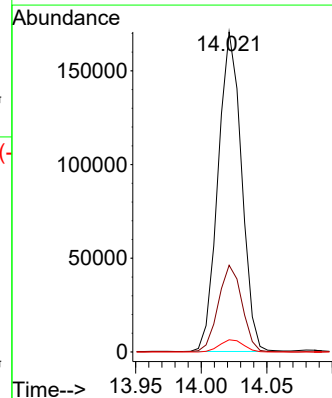
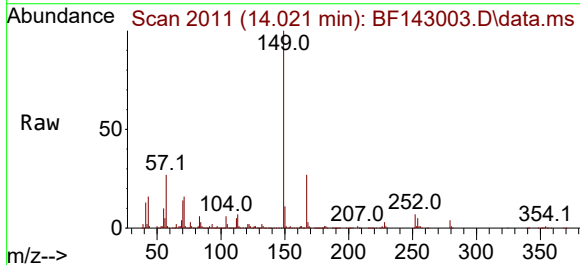
Instrument :
BNA_F
ClientSampleId :
SSTDCCC040

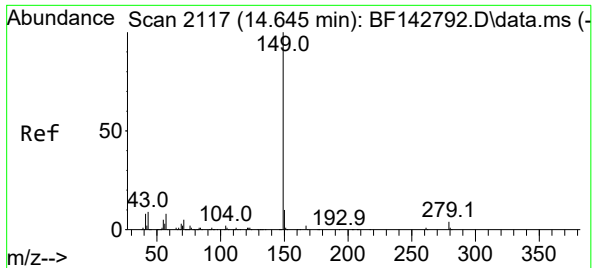
Tgt Ion:228 Resp: 280610
Ion Ratio Lower Upper
228 100
226 28.8 23.7 35.5
229 19.5 15.7 23.5



#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

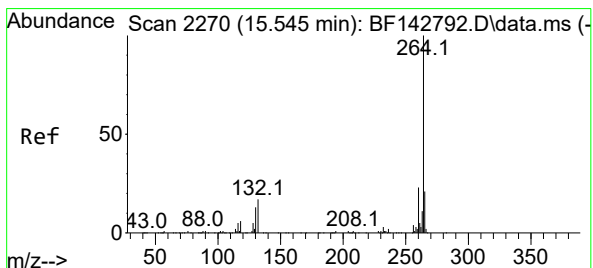
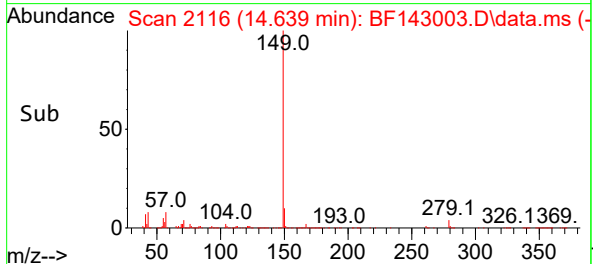
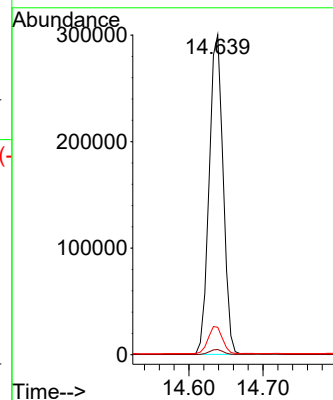
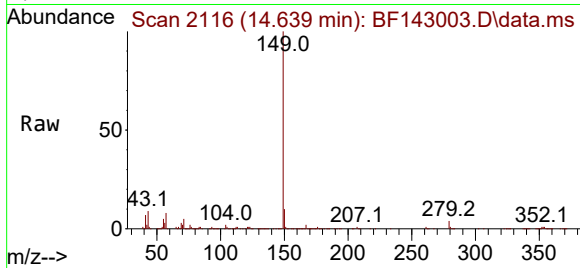




#85
Di-n-octyl phthalate
Concen: 46.235 ng
RT: 14.639 min Scan# 2116
Delta R.T. -0.006 min
Lab File: BF143003.D
Acq: 07 Jul 2025 12:12

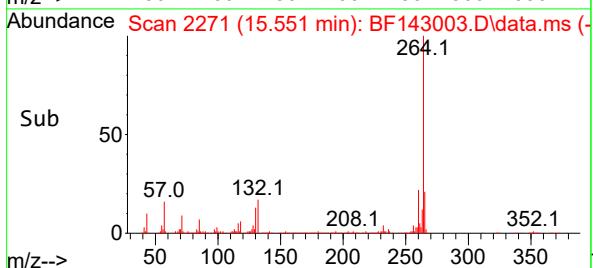
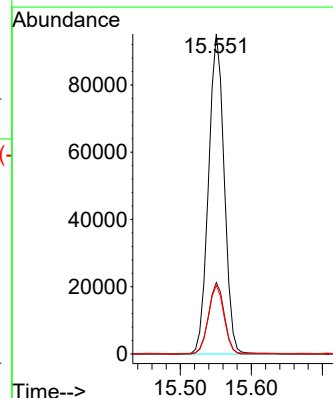
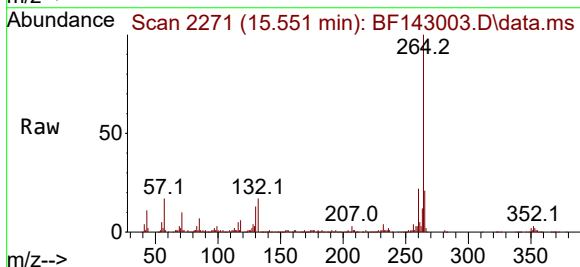
Instrument :
BNA_F
ClientSampleId :
SSTDCCC040

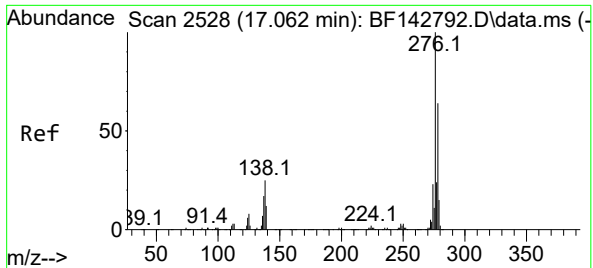
Tgt Ion:149 Resp: 393425
Ion Ratio Lower Upper
149 100
167 1.5 1.3 1.9
43 8.5 7.6 11.4



#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

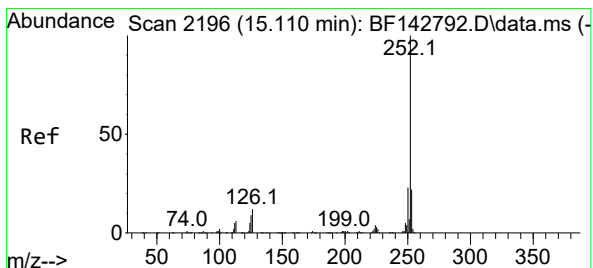
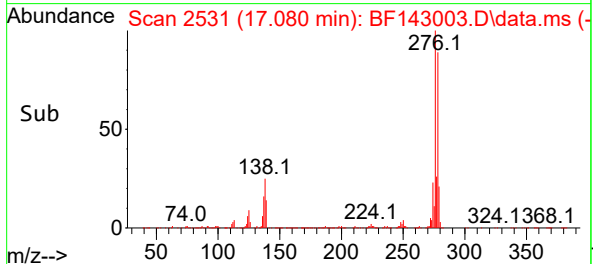
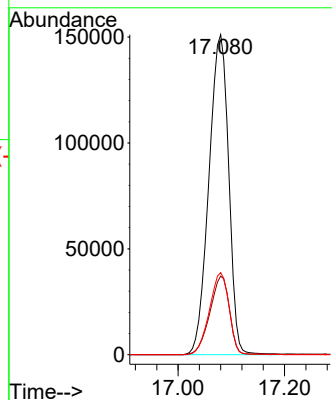
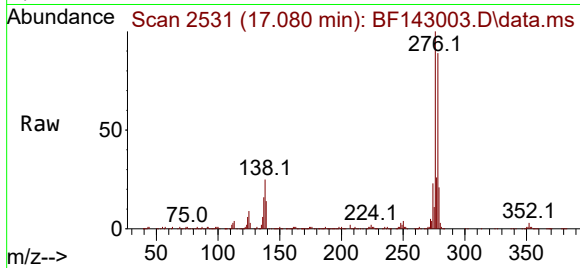




#87
 Indeno(1,2,3-cd)pyrene
 Concen: 35.035 ng
 RT: 17.080 min Scan# 2196
 Delta R.T. 0.018 min
 Lab File: BF143003.D
 Acq: 07 Jul 2025 12:12

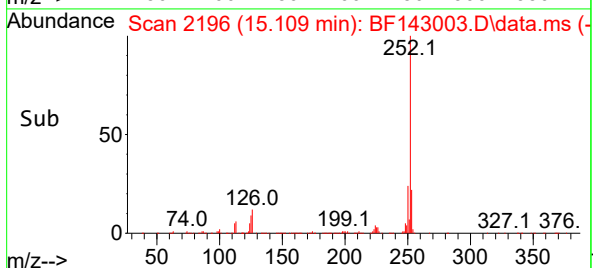
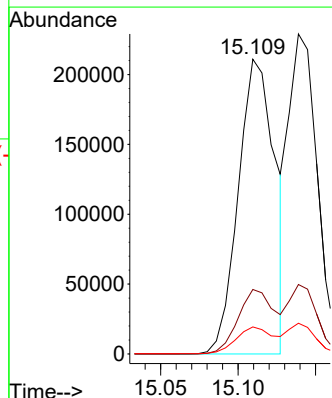
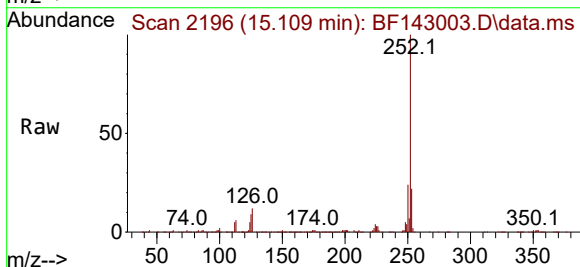
Instrument :
 BNA_F
 ClientSampleId :
 SSTDCCC040

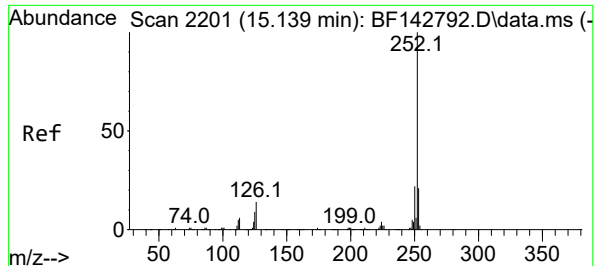
Tgt Ion:276 Resp: 390002
 Ion Ratio Lower Upper
 276 100
 138 24.2 20.2 30.4
 277 25.4 19.8 29.6



#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

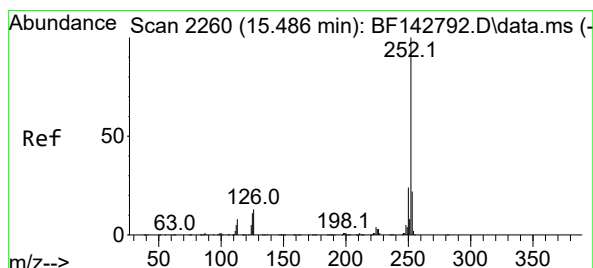
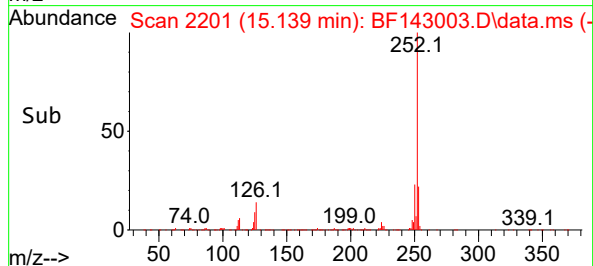
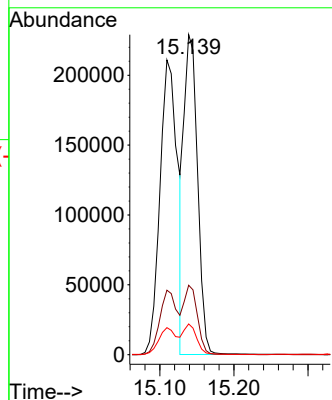
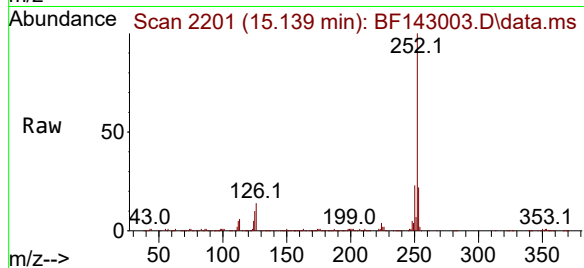
Tgt Ion:252 Resp: 292264

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

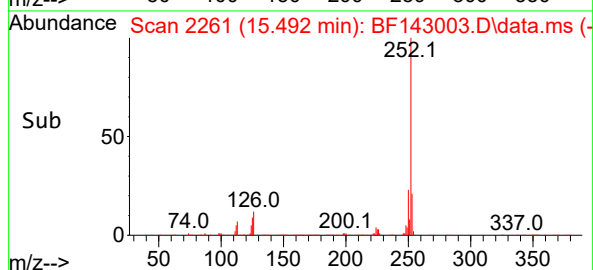
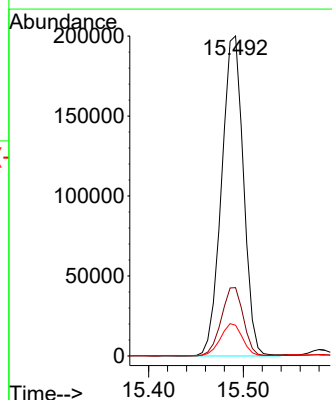
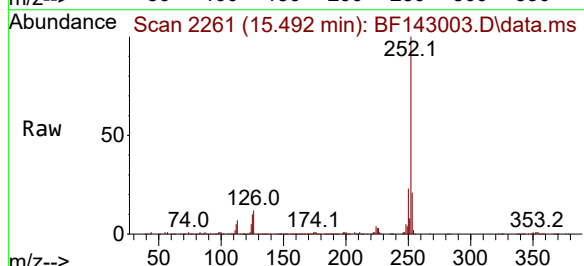
Tgt Ion:252 Resp: 321220

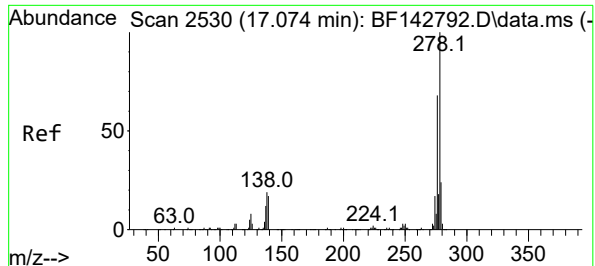
Ion Ratio Lower Upper

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

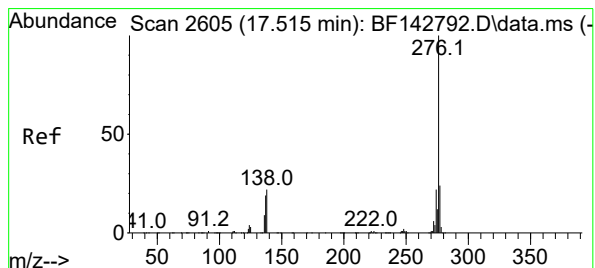
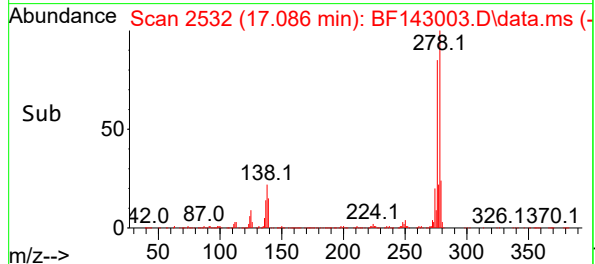
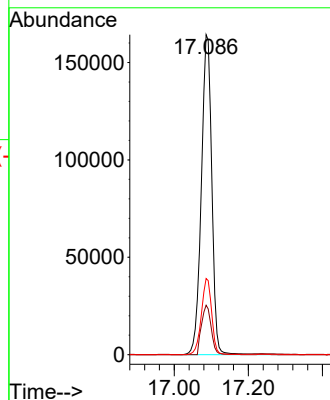
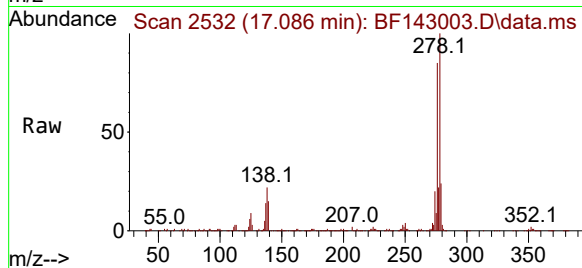
Tgt Ion:278 Resp: 321404

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

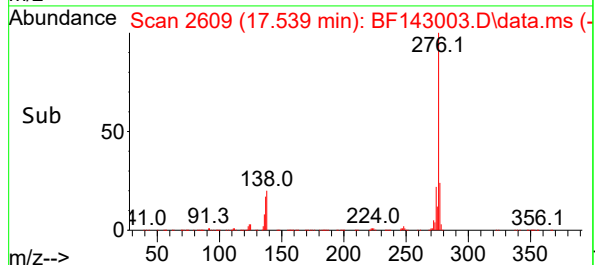
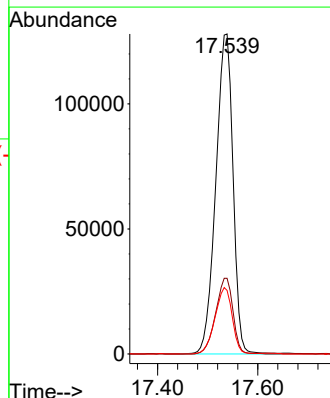
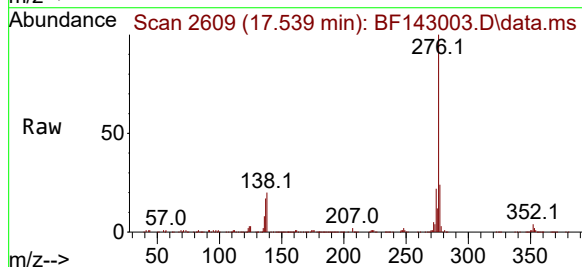
Tgt Ion:276 Resp: 305022

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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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)
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>Q2514</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.: Q2514
 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

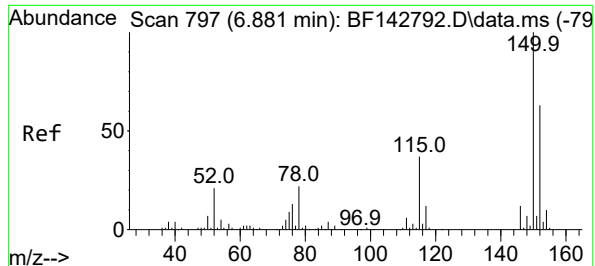
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 Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF061925.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Tue Jun 24 05:28:21 2025
 Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
44) 2,4,5-Trichlorophenol	9.204	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

Instrument :
BNA_F
ClientSampleId :
SSTDCCC040

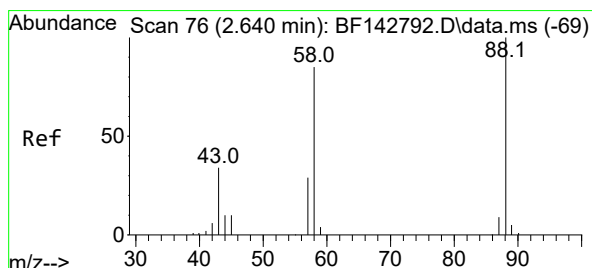
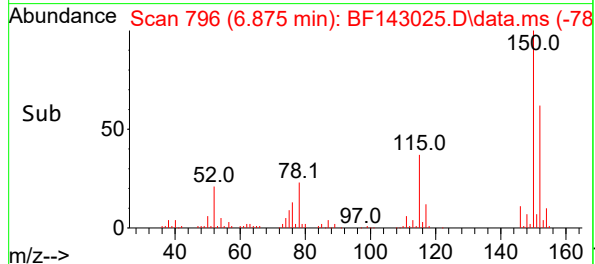
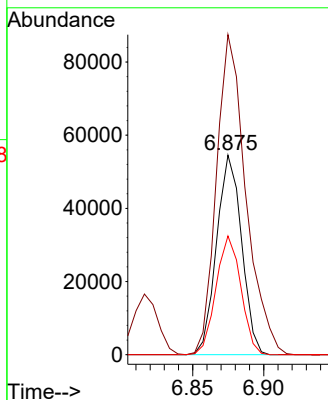
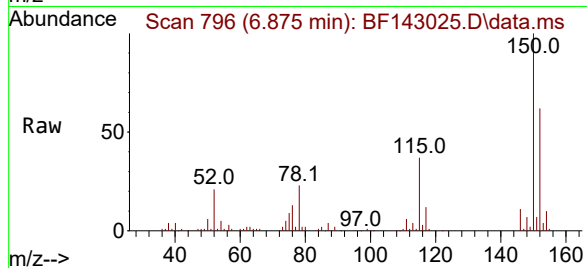
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#1
 1,4-Dichlorobenzene-d4
 Concen: 20.000 ng
 RT: 6.875 min Scan# 79
 Delta R.T. -0.006 min
 Lab File: BF143025.D
 Acq: 08 Jul 2025 10:54

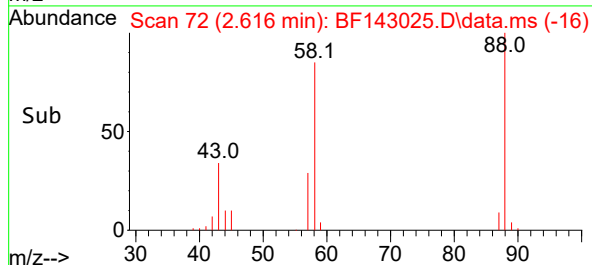
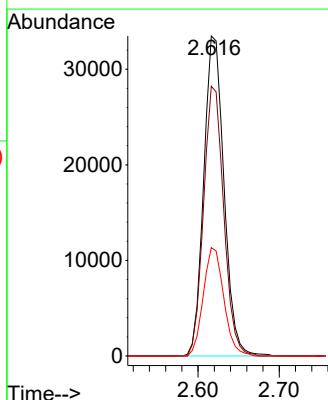
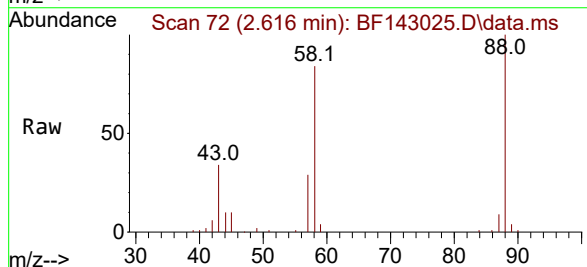
Instrument :
 BNA_F
 ClientSampleId :
 SSTDCCC040

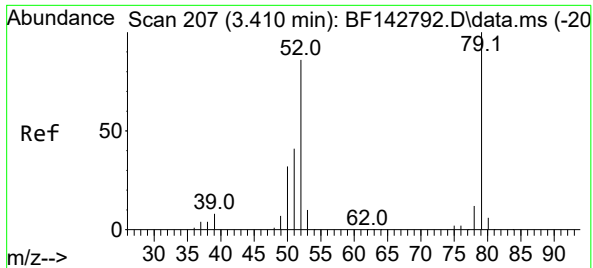
Tgt Ion:152 Resp: 66813
 Ion Ratio Lower Upper
 152 100
 150 160.3 127.2 190.8
 115 59.5 46.6 69.8



#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

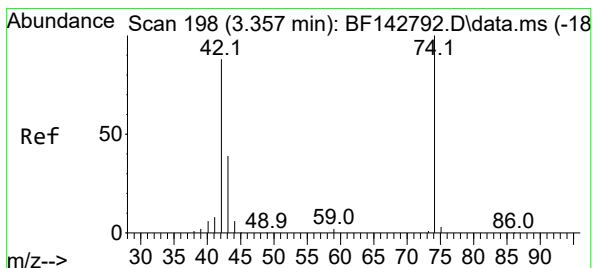
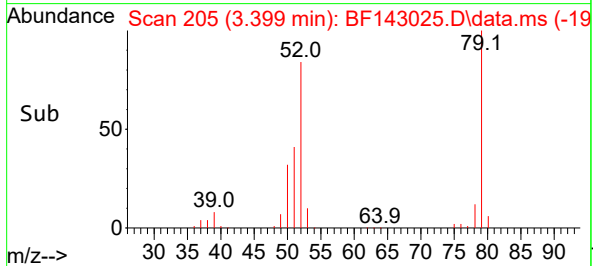
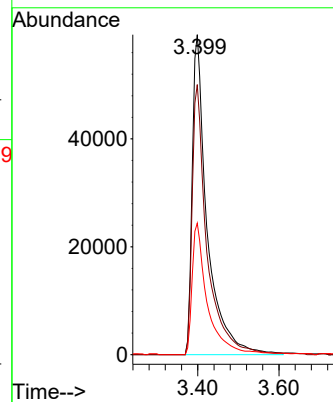
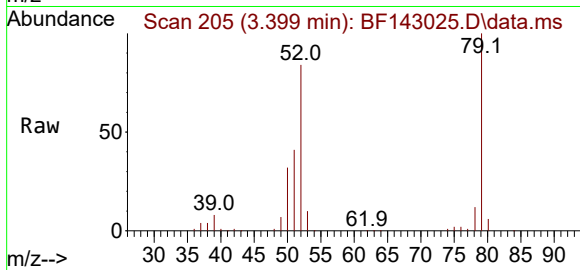
Tgt Ion: 79 Resp: 151473

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

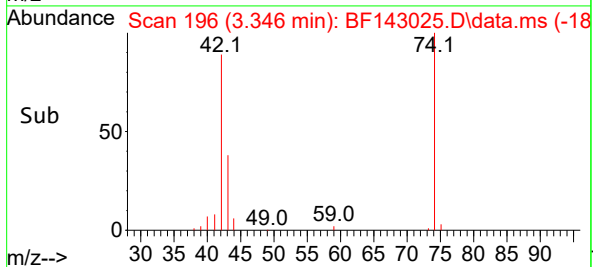
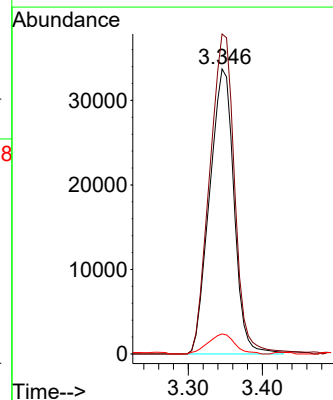
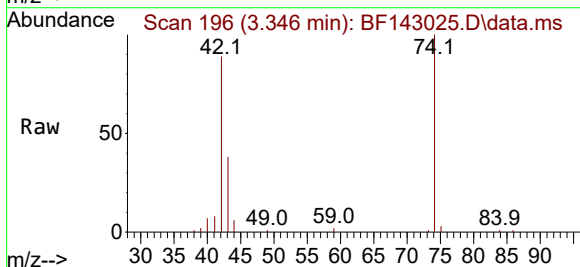
Tgt Ion: 42 Resp: 77170

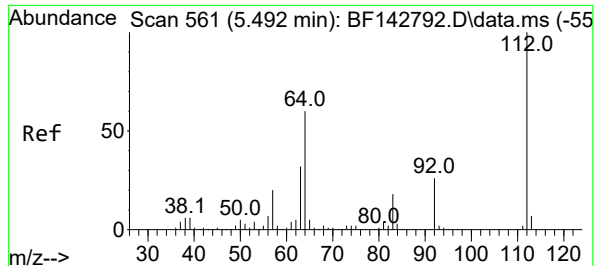
Ion Ratio Lower Upper

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

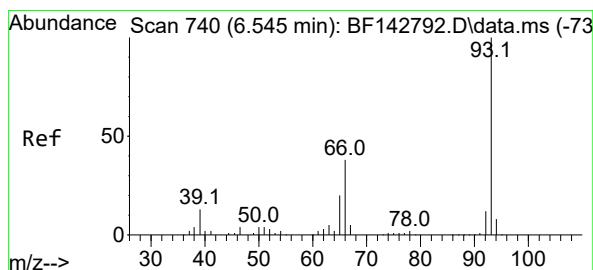
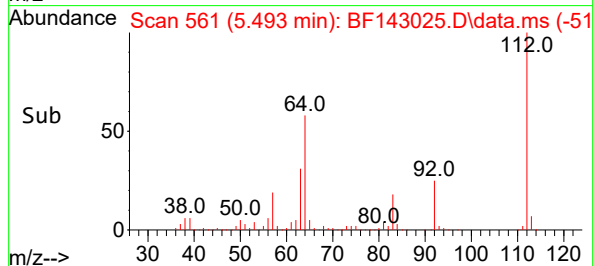
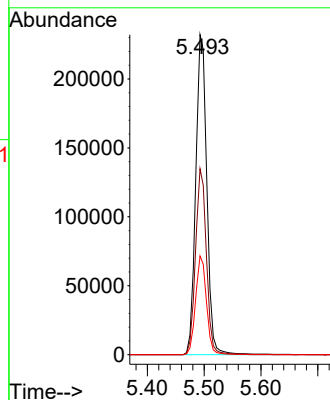
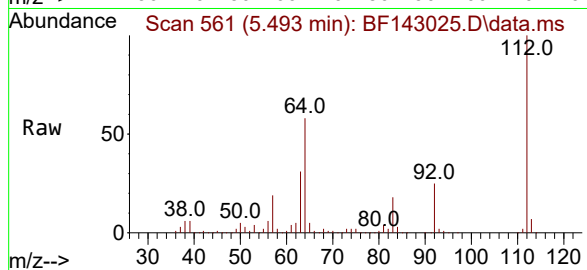
Tgt Ion:112 Resp: 316247

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

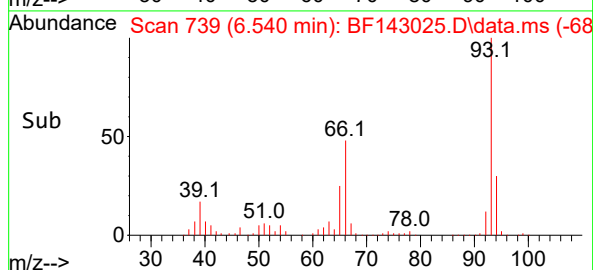
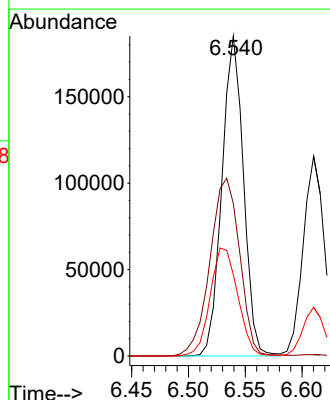
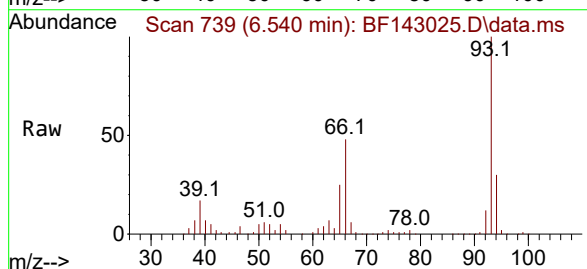
Tgt Ion: 93 Resp: 244676

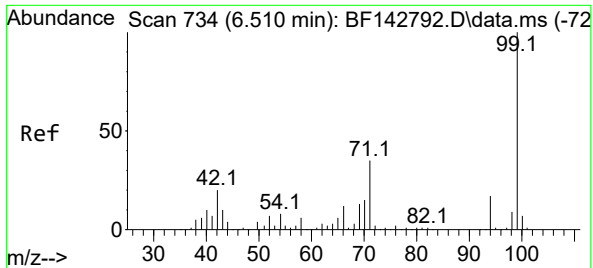
Ion Ratio Lower Upper

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

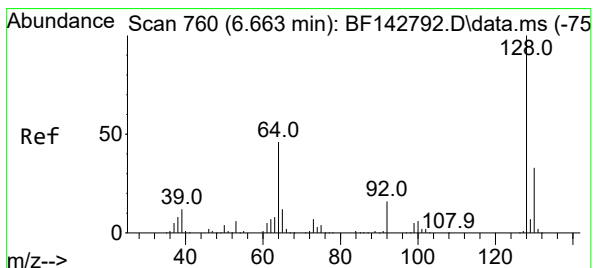
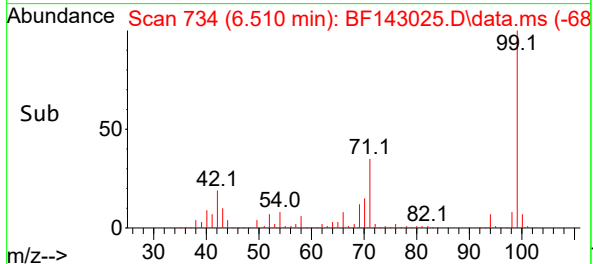
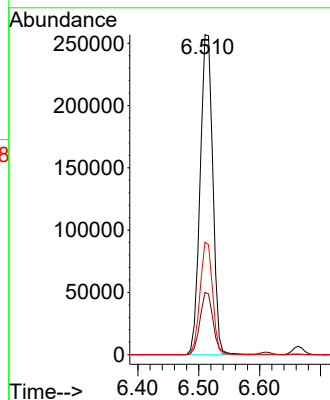
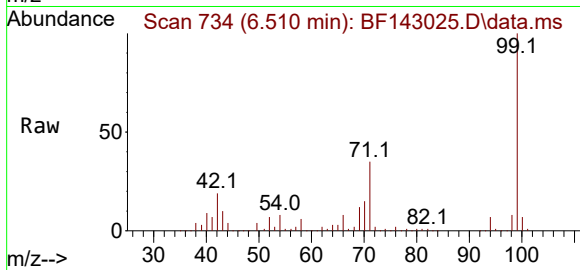
Tgt Ion: 99 Resp: 369973

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

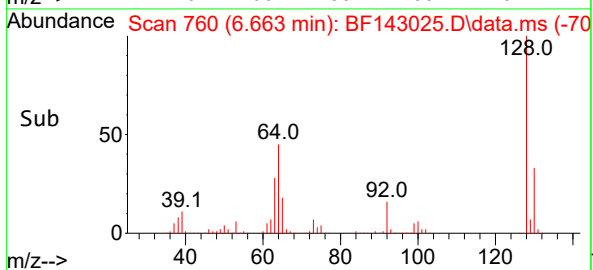
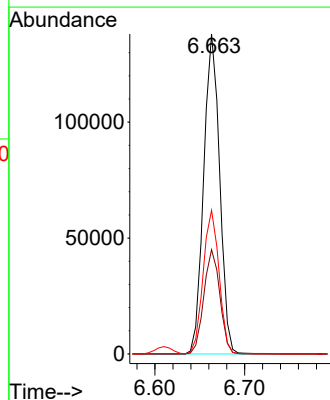
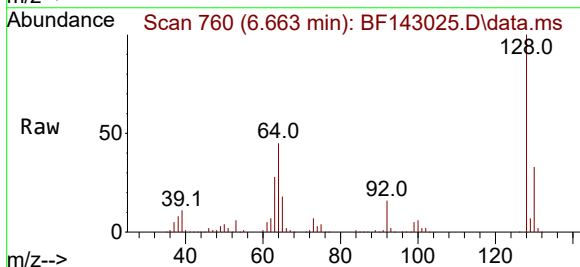
Tgt Ion: 128 Resp: 170496

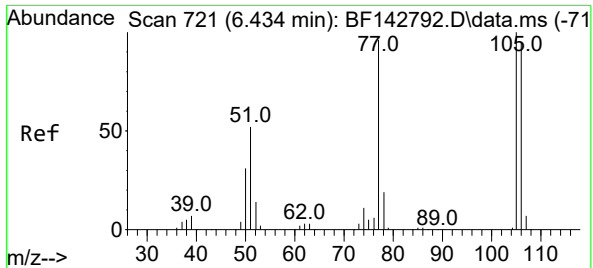
Ion Ratio Lower Upper

128 100

130 32.6 12.7 52.7

64 44.9 26.5 66.5

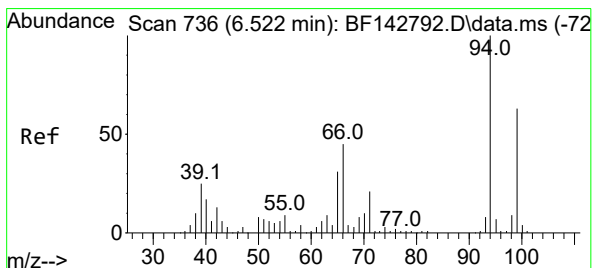
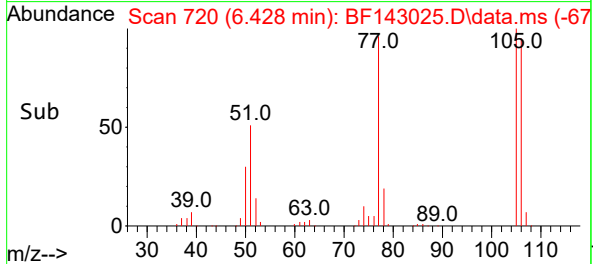
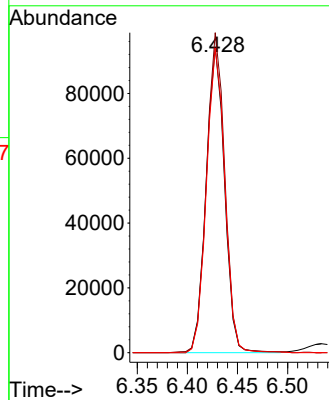
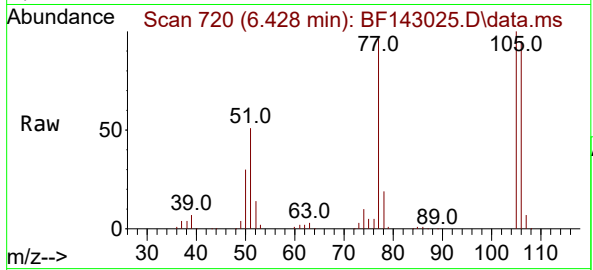




#9
Benzaldehyde
Concen: 42.967 ng
RT: 6.428 min Scan# 71
Delta R.T. -0.006 min
Lab File: BF143025.D
Acq: 08 Jul 2025 10:54

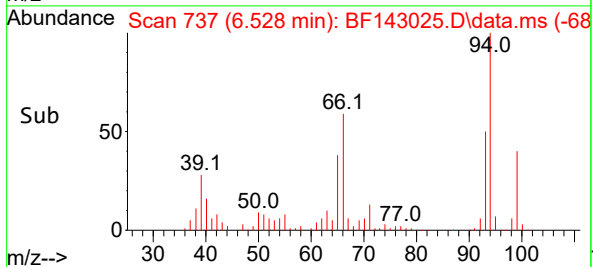
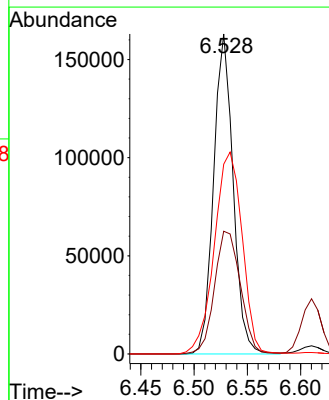
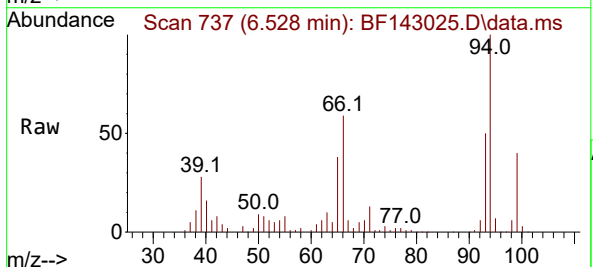
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BNA_F
ClientSampleId :
SSTDCCC040

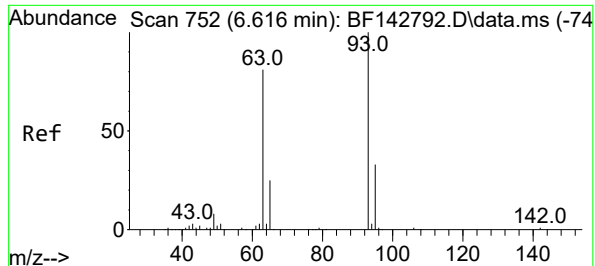
Tgt Ion: 77 Resp: 120691
Ion Ratio Lower Upper
77 100
105 104.7 83.8 123.8
106 99.7 78.7 118.7



#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

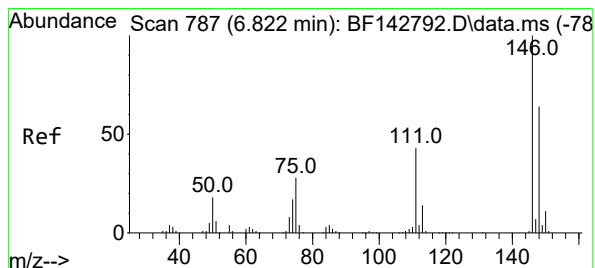
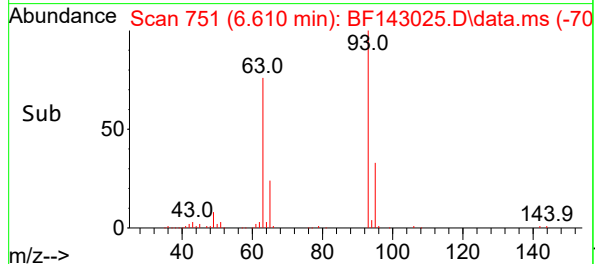
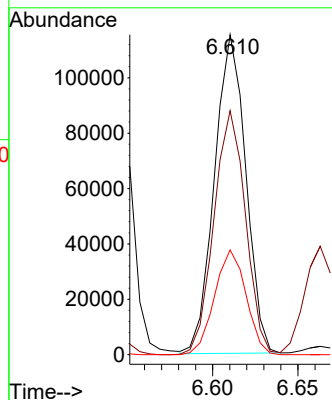
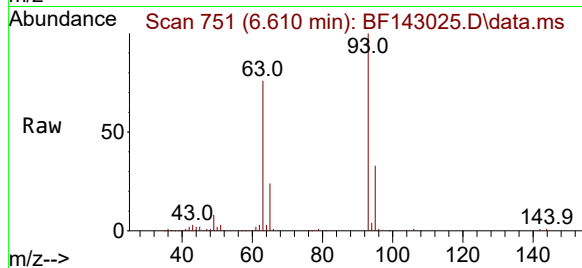




#11
bis(2-Chloroethyl)ether
Concen: 39.146 ng
RT: 6.610 min Scan# 751
Delta R.T. -0.006 min
Lab File: BF143025.D
Acq: 08 Jul 2025 10:54

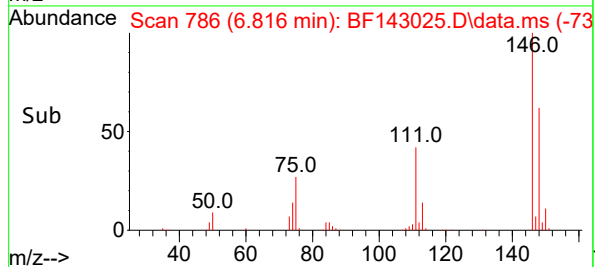
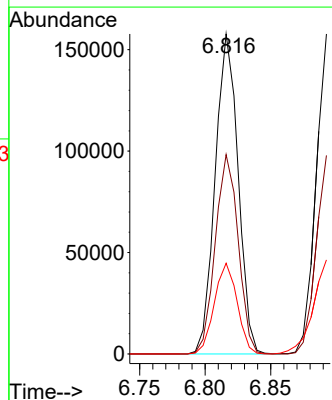
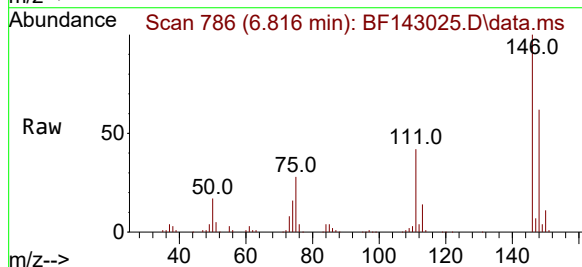
Instrument :
BNA_F
ClientSampleId :
SSTDCCC040

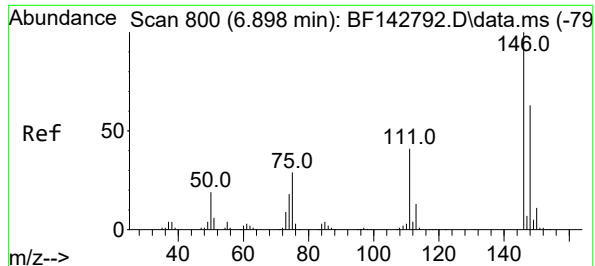
Tgt Ion: 93 Resp: 147243
Ion Ratio Lower Upper
93 100
63 76.3 60.3 100.3
95 32.7 12.5 52.5



#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

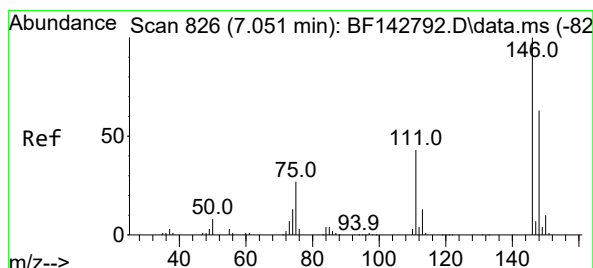
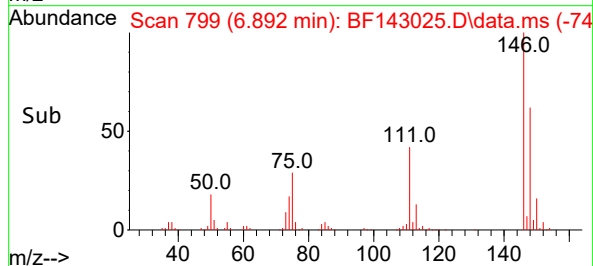
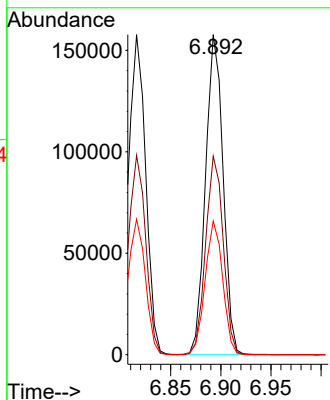
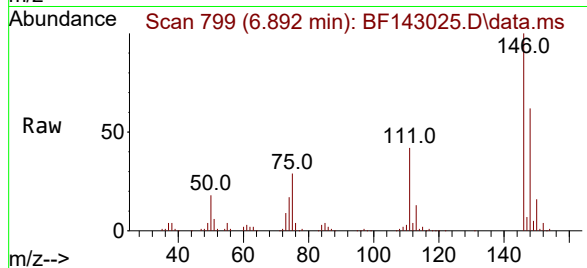
Tgt Ion:146 Resp: 192667

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

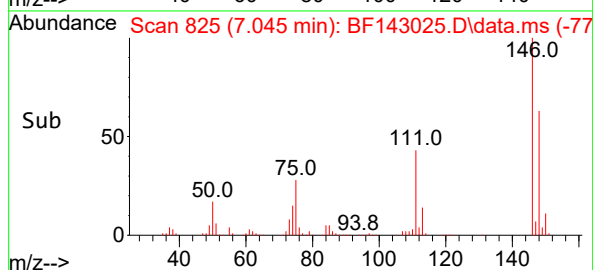
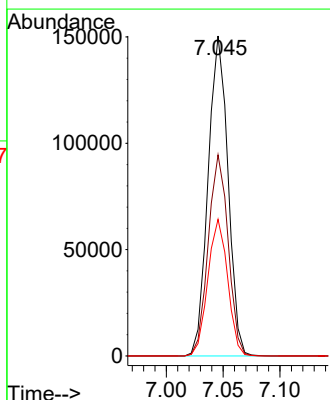
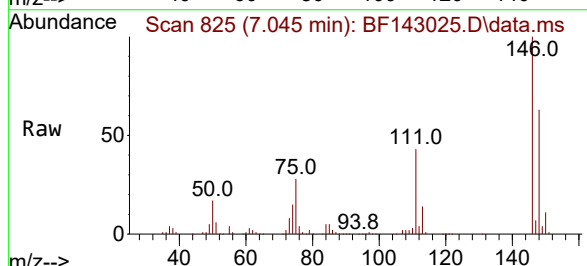
Tgt Ion:146 Resp: 182982

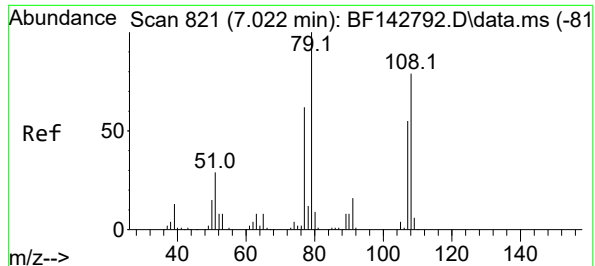
Ion Ratio Lower Upper

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 :

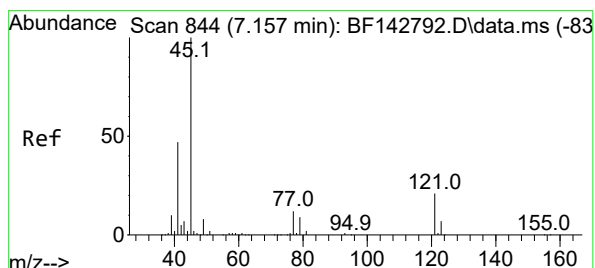
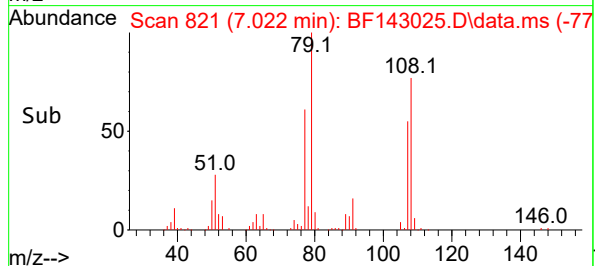
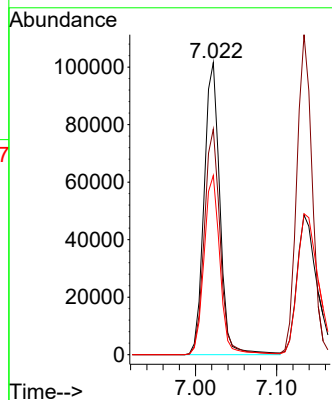
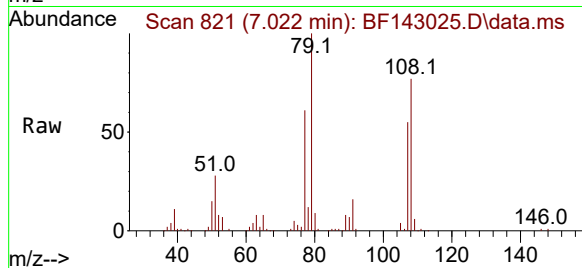
BNA_F

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

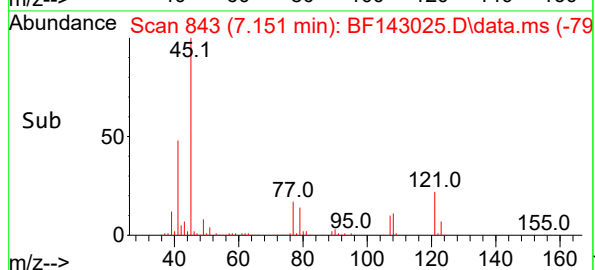
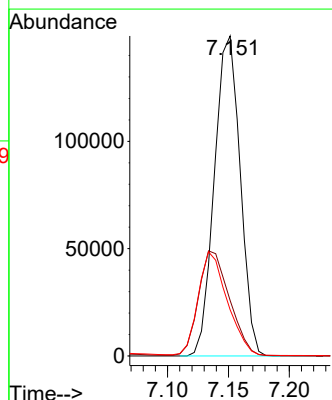
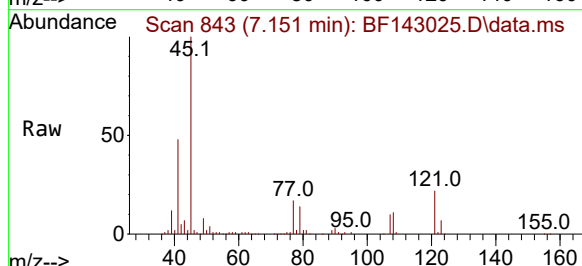
Delta R.T. -0.006 min

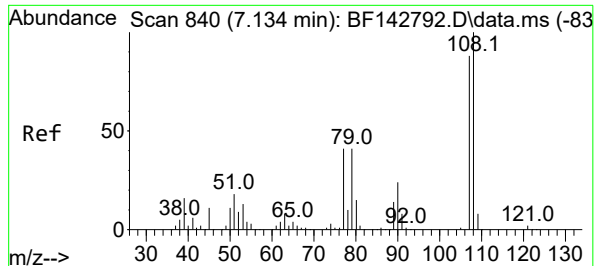
Lab File: BF143025.D

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

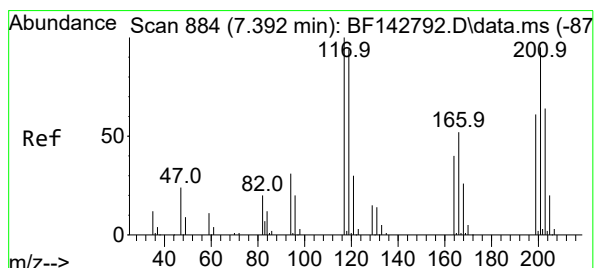
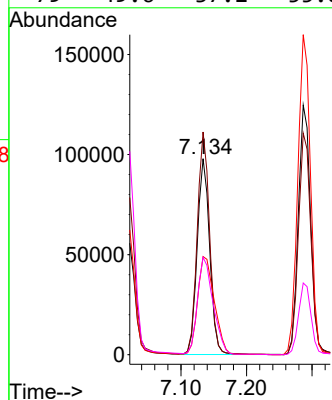
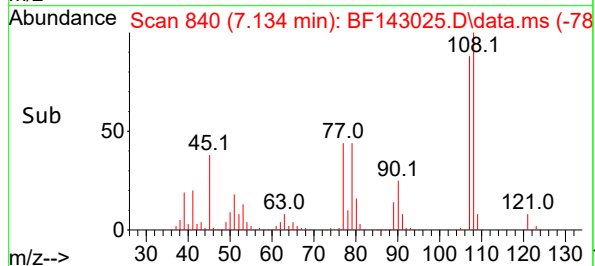
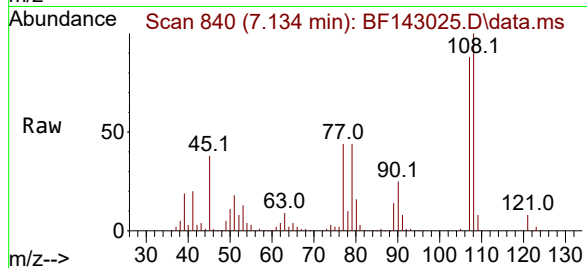




#17
2-Methylphenol
Concen: 39.617 ng
RT: 7.134 min Scan# 840
Delta R.T. 0.000 min
Lab File: BF143025.D
Acq: 08 Jul 2025 10:54

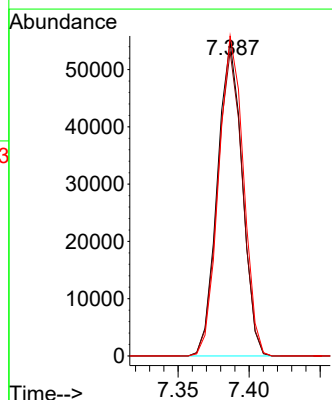
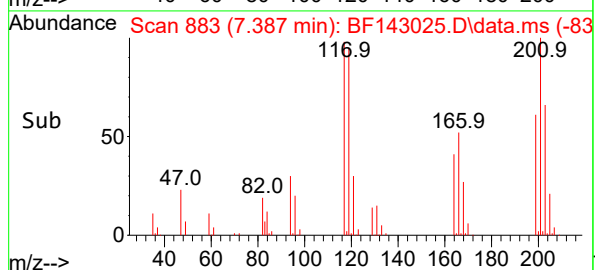
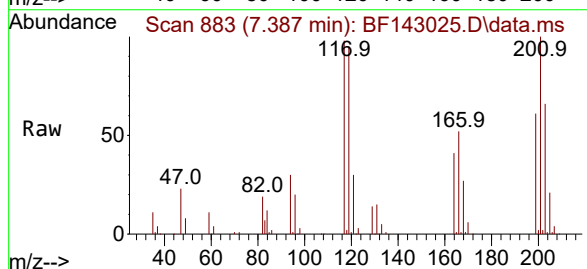
Instrument :
BNA_F
ClientSampleId :
SSTDCCC040

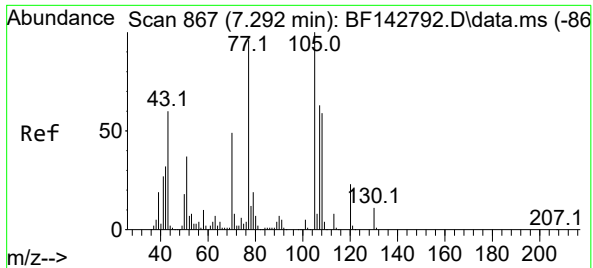
Tgt Ion:107 Resp: 129961
Ion Ratio Lower Upper
107 100
108 113.6 90.9 136.3
77 50.1 37.3 55.9
79 49.6 37.2 55.8



#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

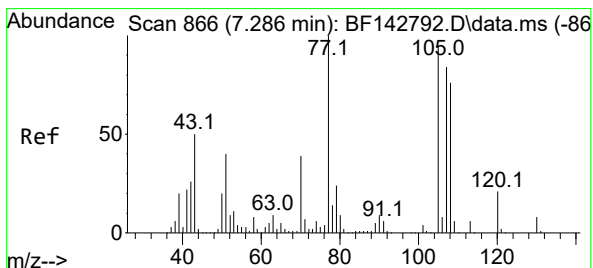
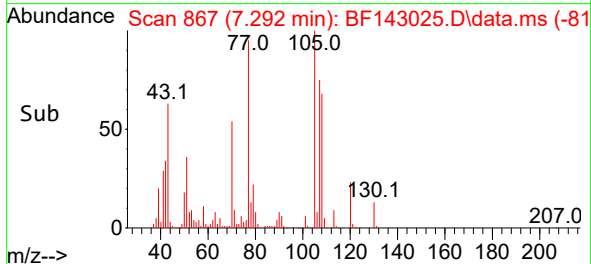
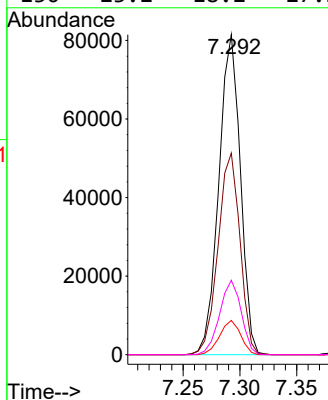
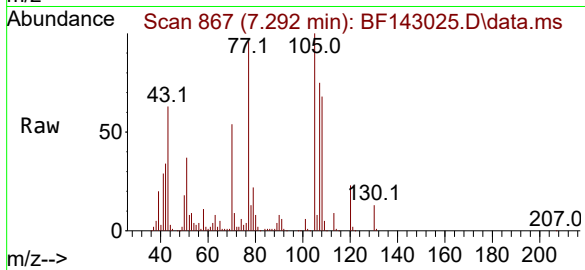
Ion Ratio Lower Upper

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

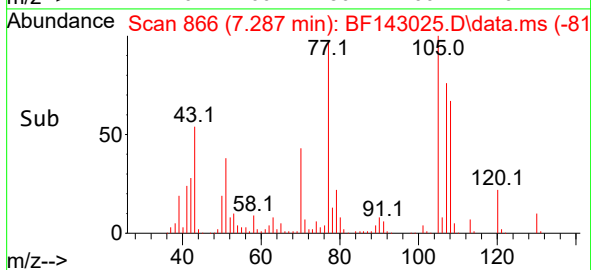
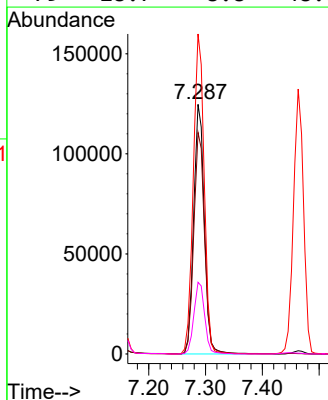
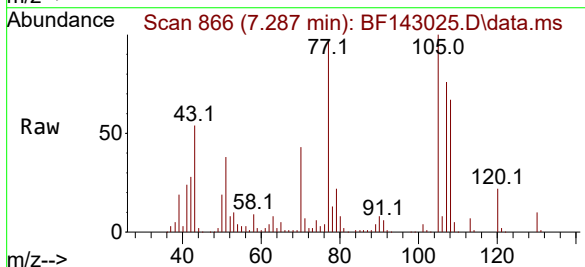
Ion Ratio Lower Upper

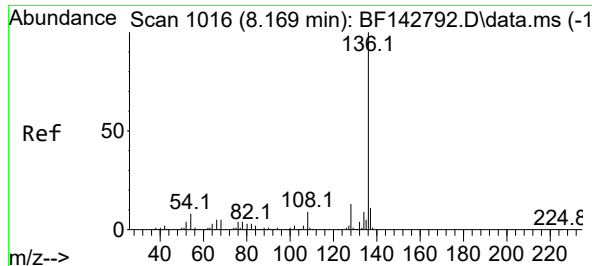
107 100

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

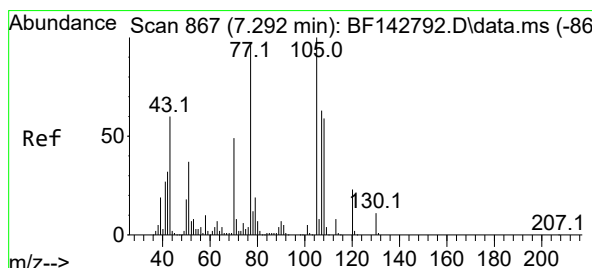
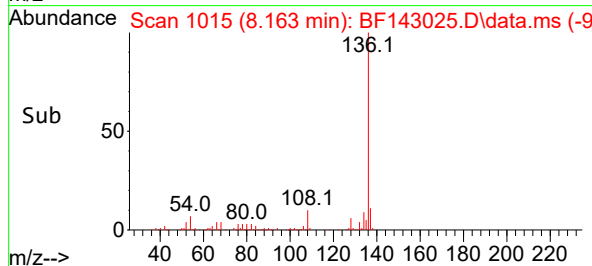
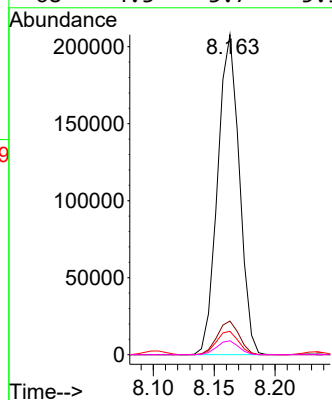
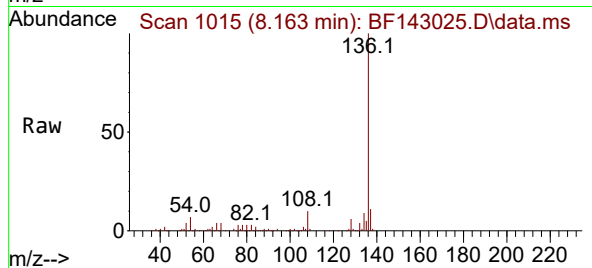
Ion Ratio Lower Upper

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

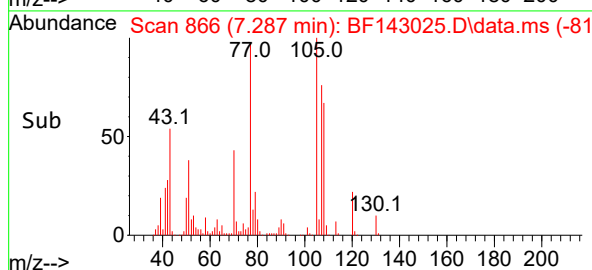
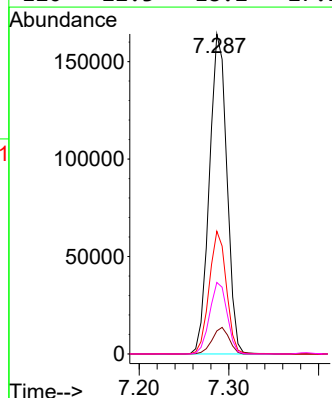
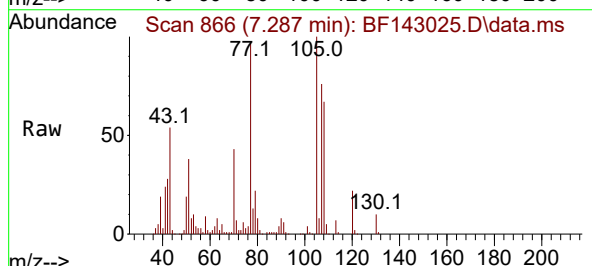
Ion Ratio Lower Upper

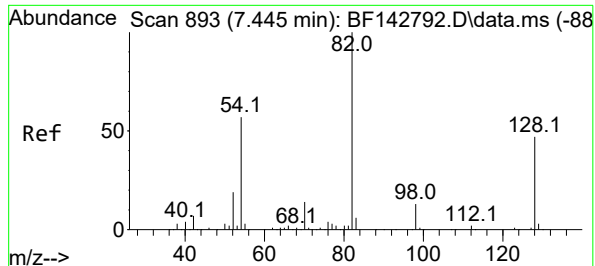
105 100

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

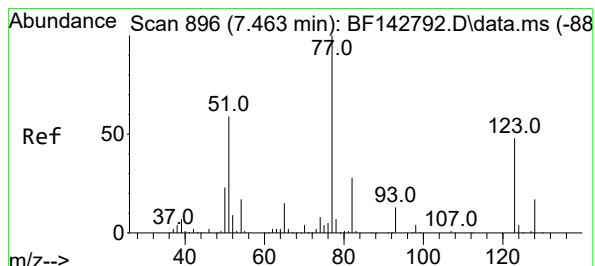
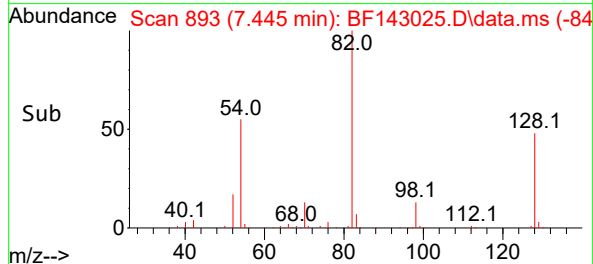
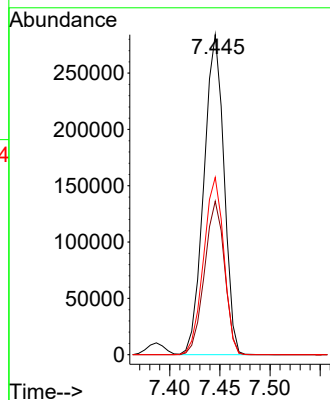
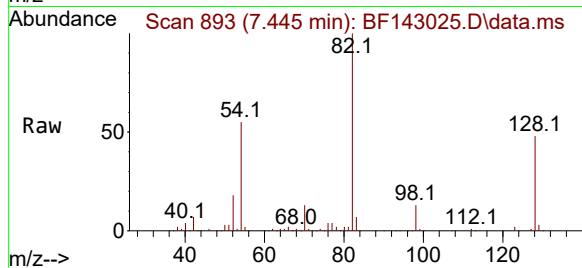
Tgt Ion: 82 Resp: 397254

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

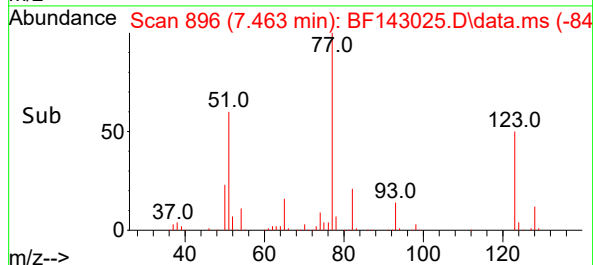
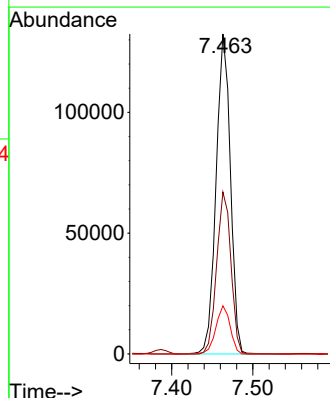
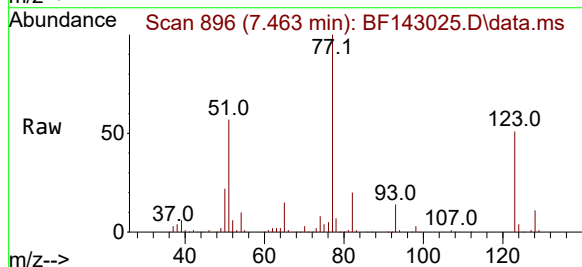
Tgt Ion: 77 Resp: 162450

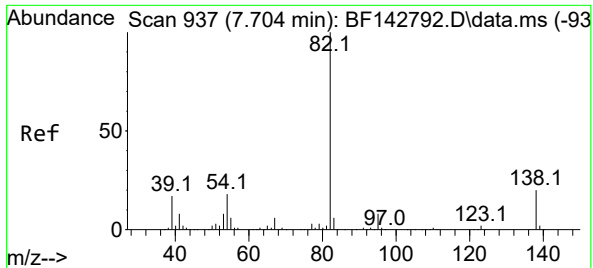
Ion Ratio Lower Upper

77 100

123 50.6 39.2 58.8

65 15.0 11.6 17.4

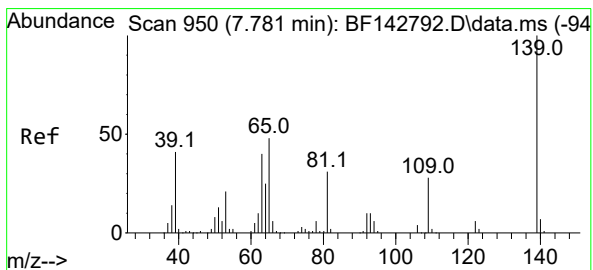
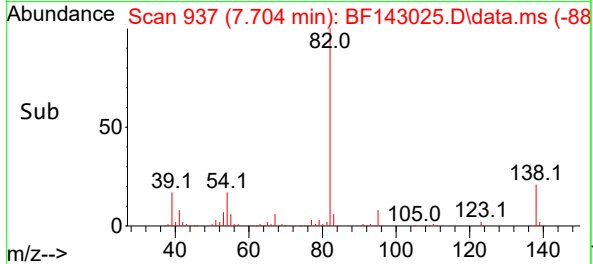
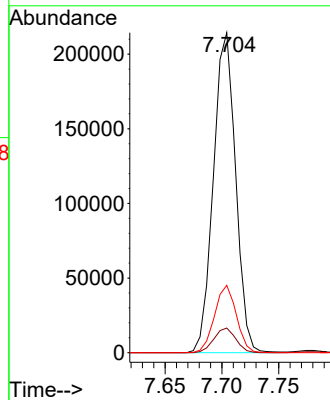
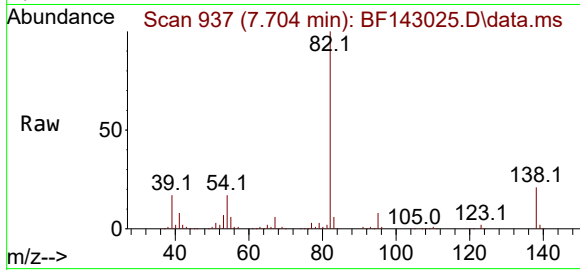




#25
Isophorone
Concen: 38.737 ng
RT: 7.704 min Scan# 91
Delta R.T. 0.000 min
Lab File: BF143025.D
Acq: 08 Jul 2025 10:54

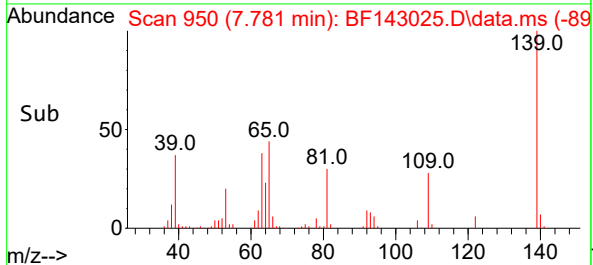
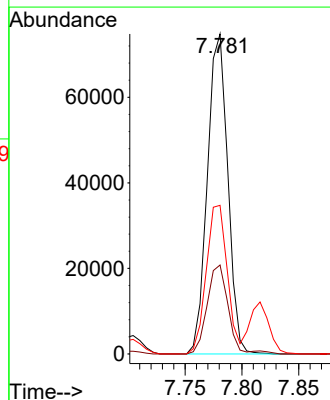
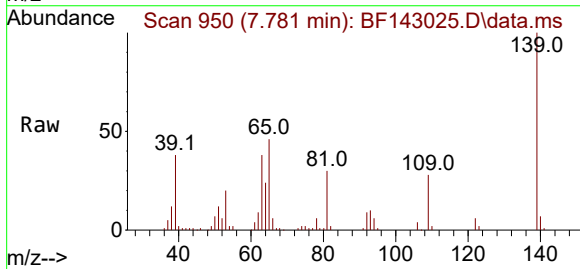
Instrument :
BNA_F
ClientSampleId :
SSTDCCC040

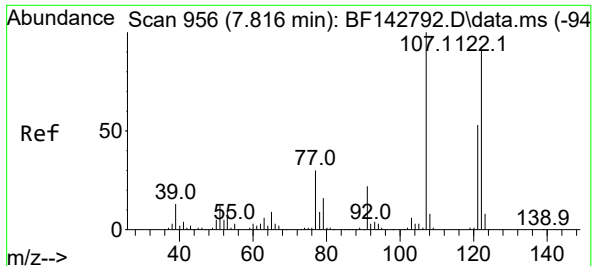
Tgt Ion: 82 Resp: 291979
Ion Ratio Lower Upper
82 100
95 7.7 6.2 9.2
138 21.0 16.2 24.4



#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

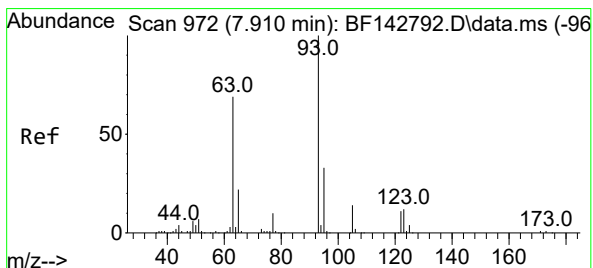
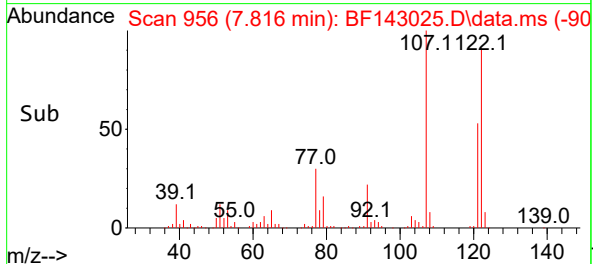
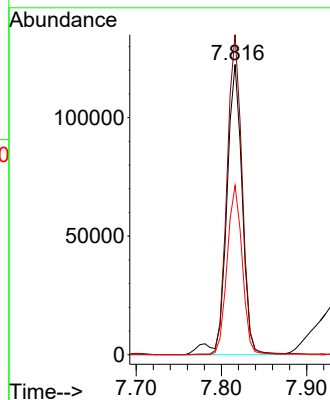
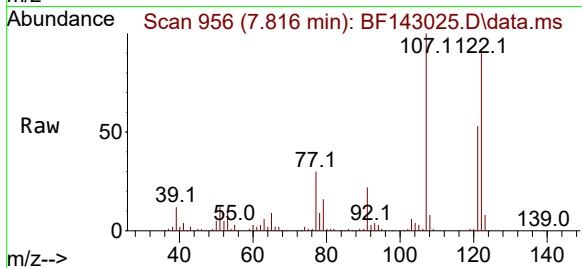
Tgt Ion:122 Resp: 155161

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

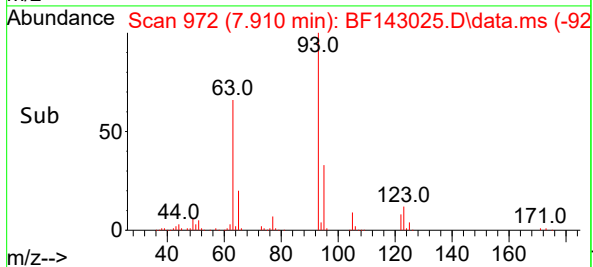
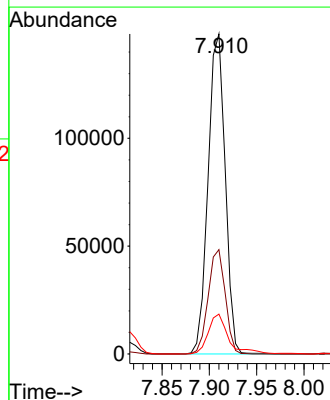
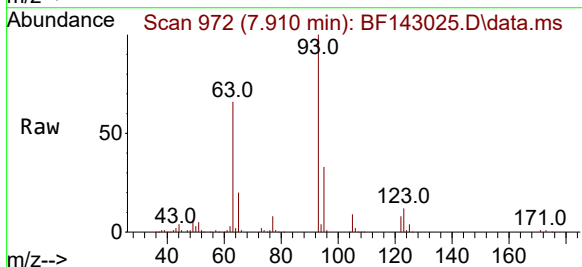
Tgt Ion: 93 Resp: 186301

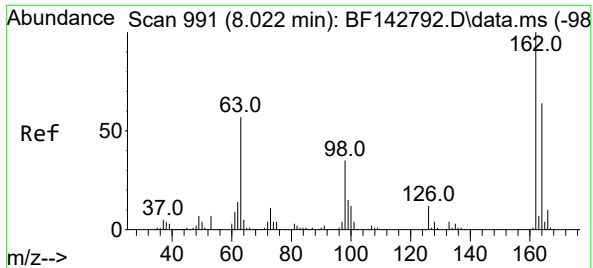
Ion Ratio Lower Upper

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

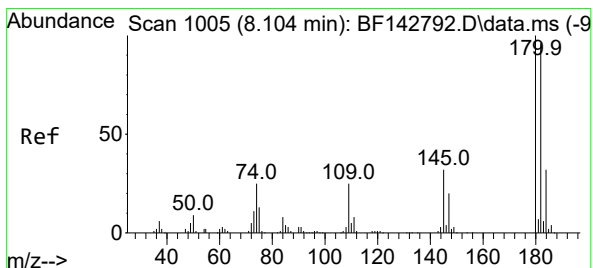
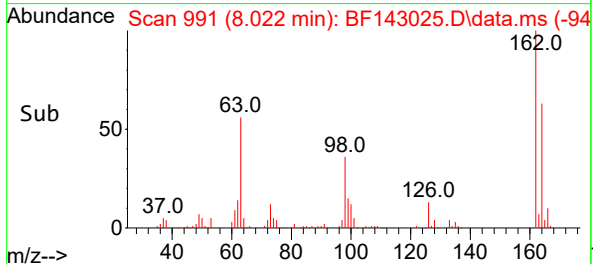
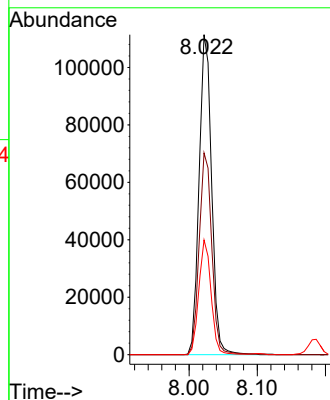
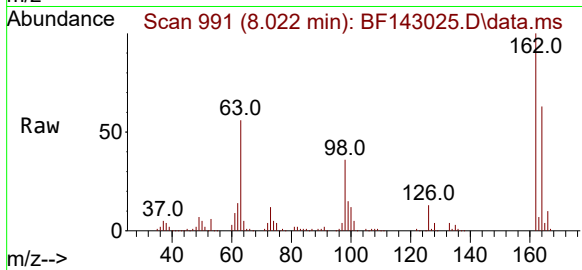
Tgt Ion:162 Resp: 141839

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

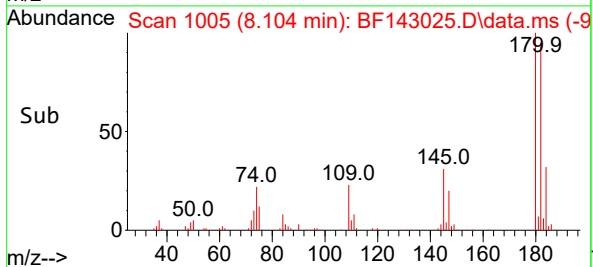
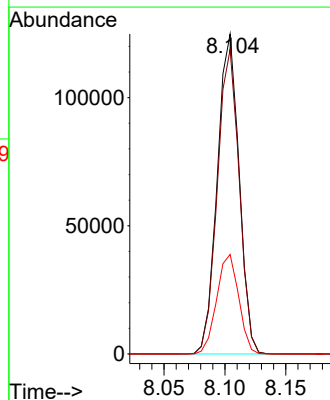
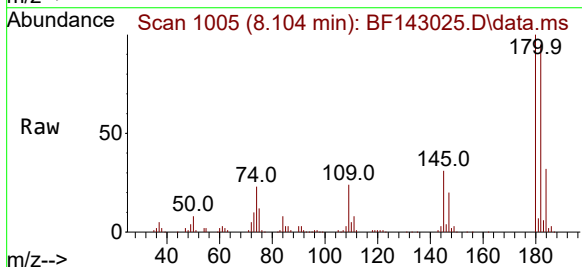
Tgt Ion:180 Resp: 155378

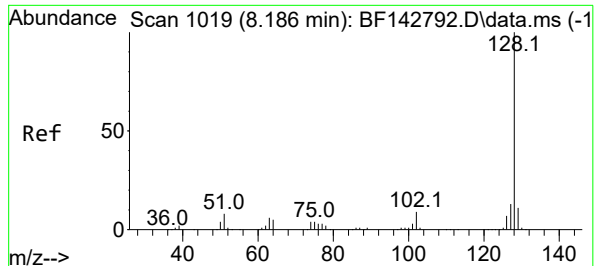
Ion Ratio Lower Upper

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

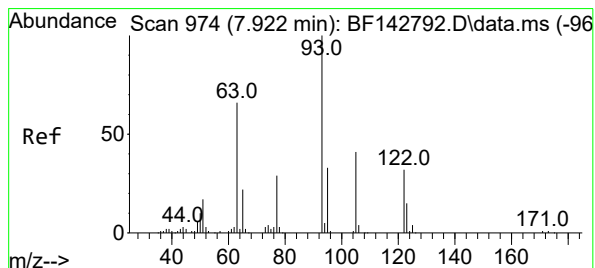
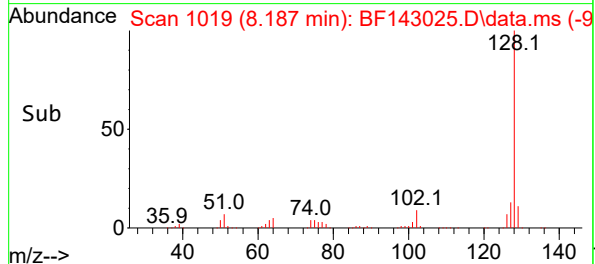
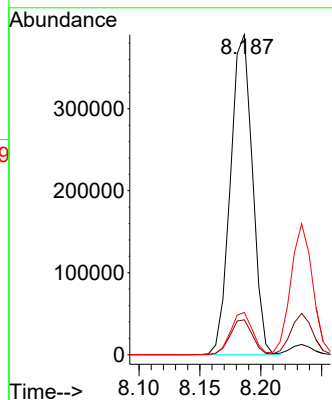
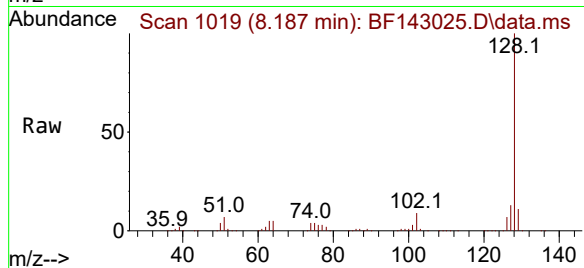
Tgt Ion:128 Resp: 490610

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

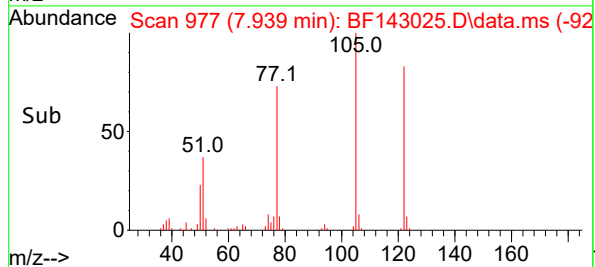
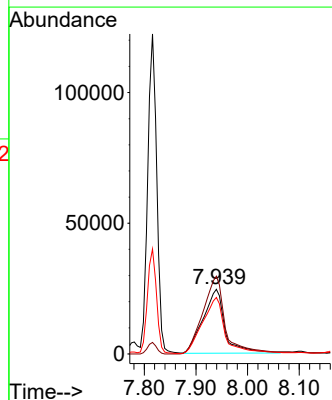
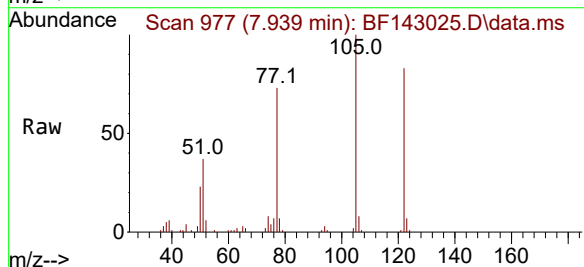
Tgt Ion:122 Resp: 72155

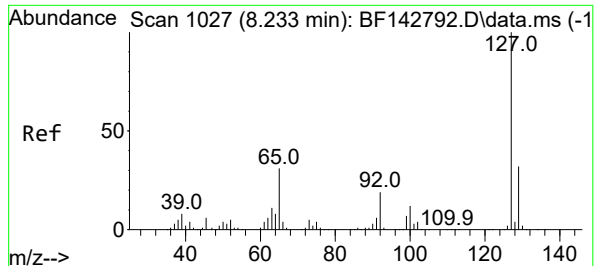
Ion Ratio Lower Upper

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

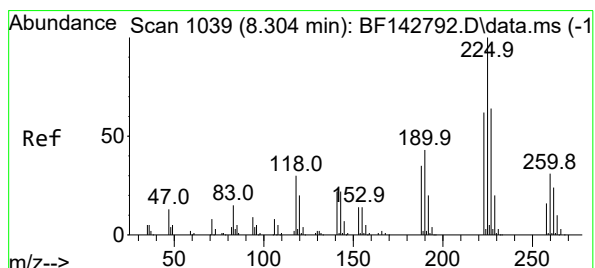
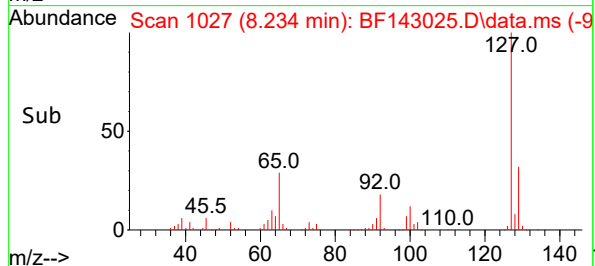
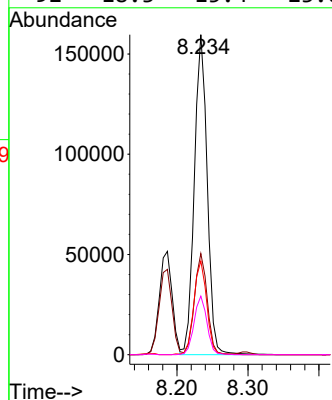
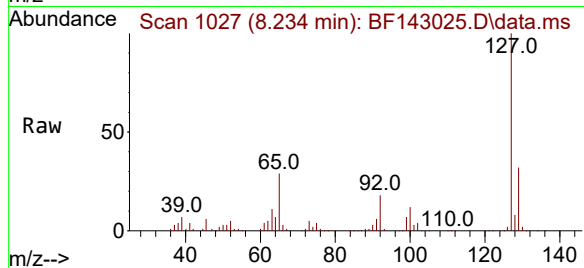
Ion Ratio Lower Upper

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

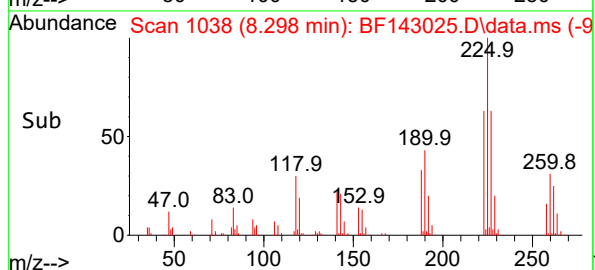
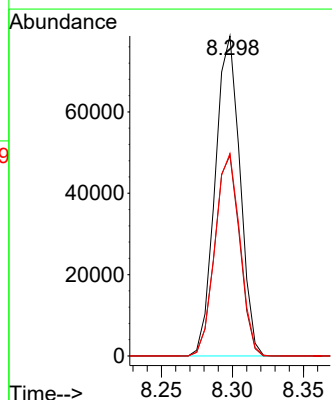
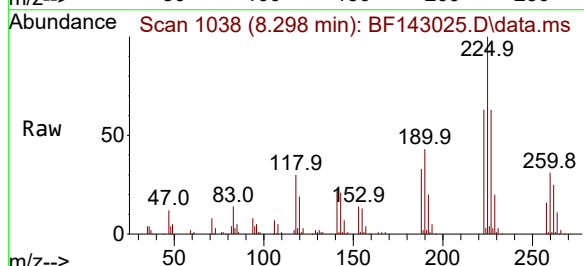
Tgt Ion:225 Resp: 95500

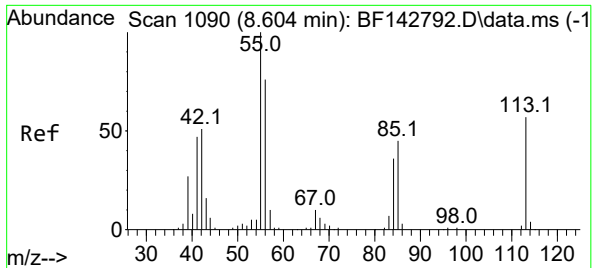
Ion Ratio Lower Upper

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

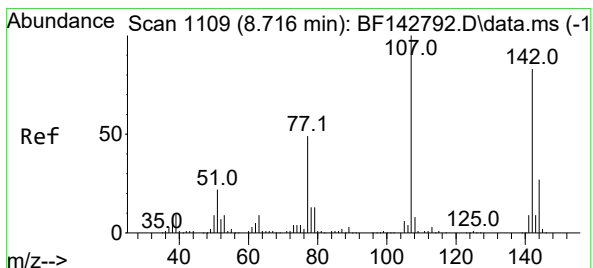
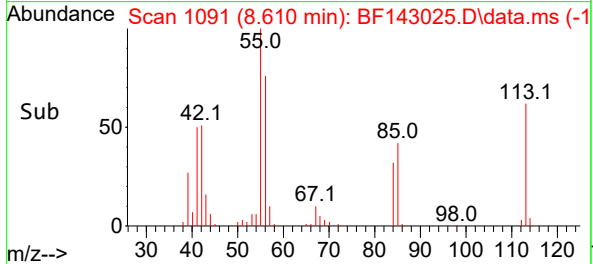
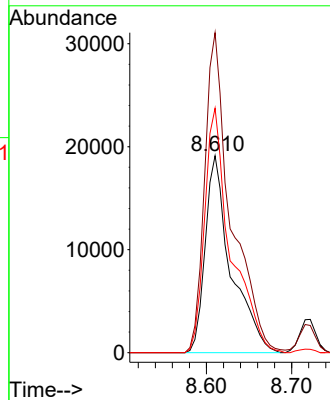
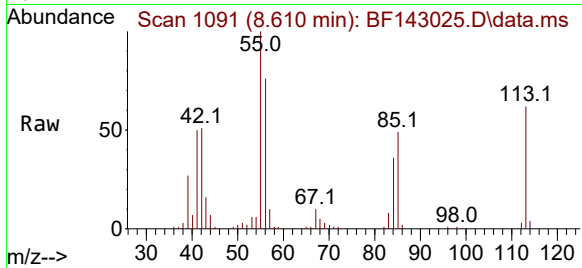
Tgt Ion:113 Resp: 40230

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

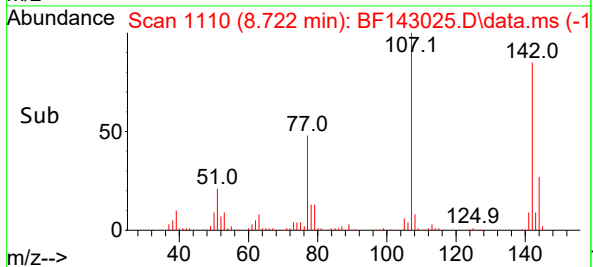
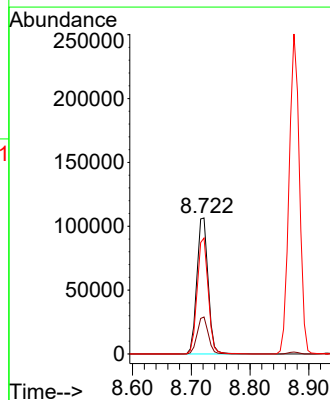
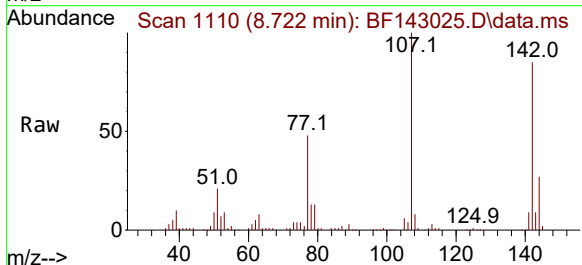
Tgt Ion:107 Resp: 142124

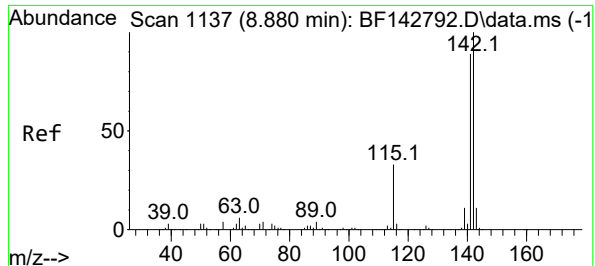
Ion Ratio Lower Upper

107 100

144 27.2 21.3 31.9

142 85.2 66.6 100.0

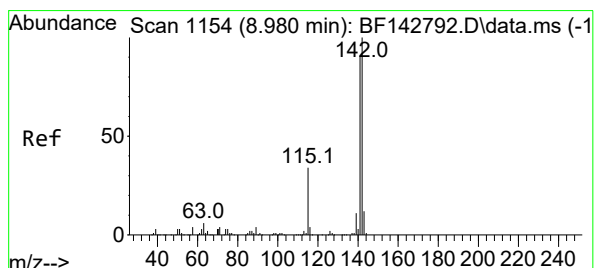
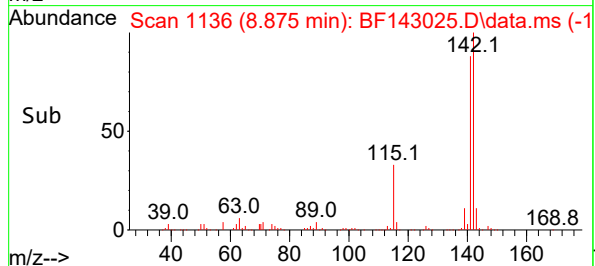
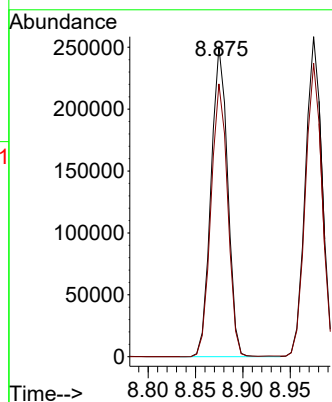
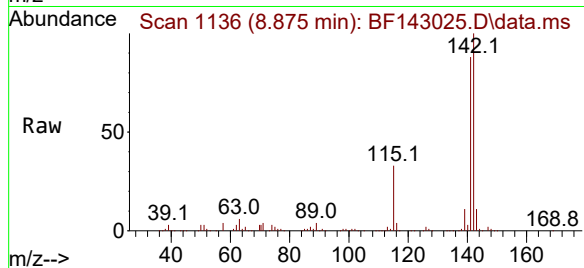




#37
2-Methylnaphthalene
Concen: 39.127 ng
RT: 8.875 min Scan# 1136
Delta R.T. -0.006 min
Lab File: BF143025.D
Acq: 08 Jul 2025 10:54

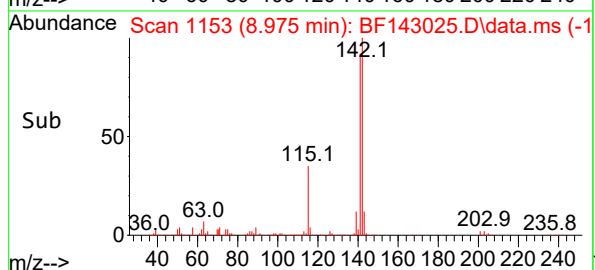
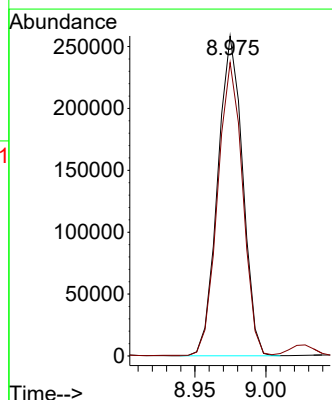
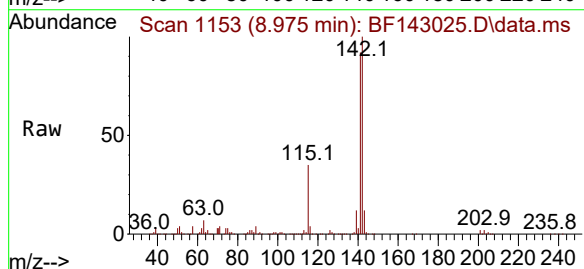
Instrument :
BNA_F
ClientSampleId :
SSTDCCC040

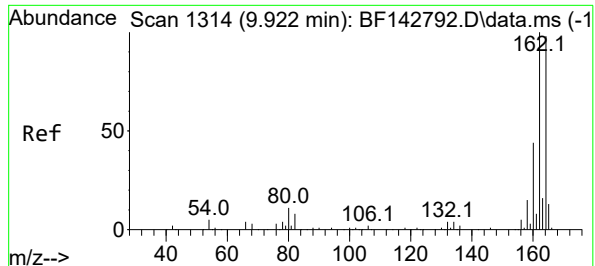
Tgt Ion:142 Resp: 306009
Ion Ratio Lower Upper
142 100
141 88.0 70.9 106.3



#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

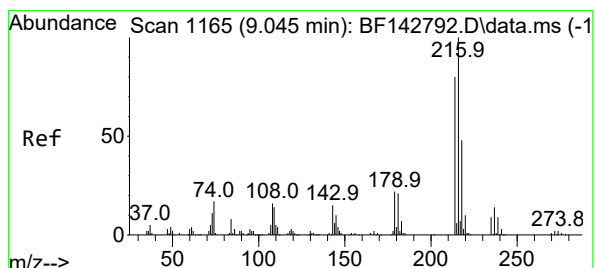
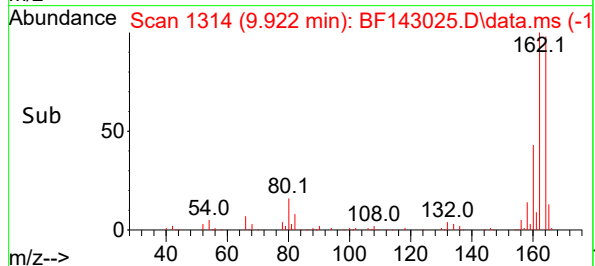
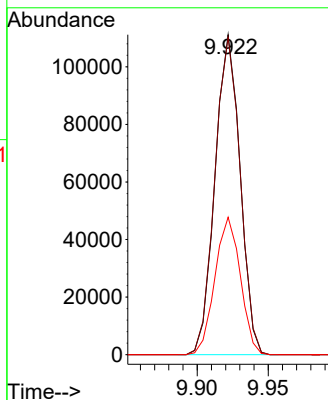
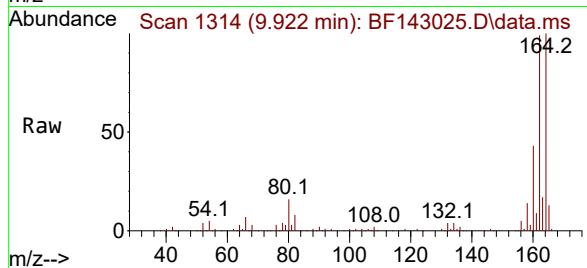
Tgt Ion:164 Resp: 136330

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

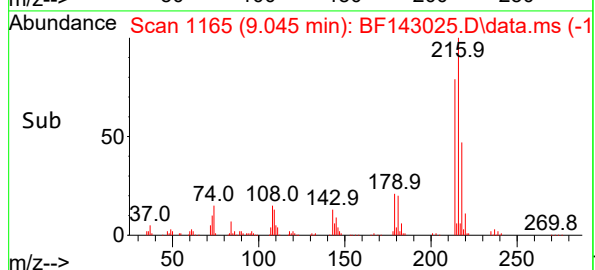
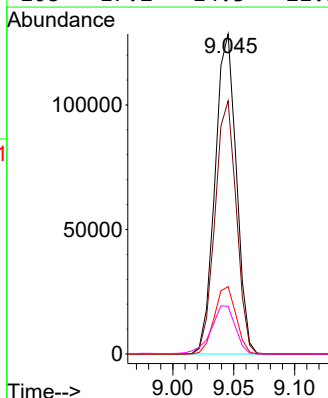
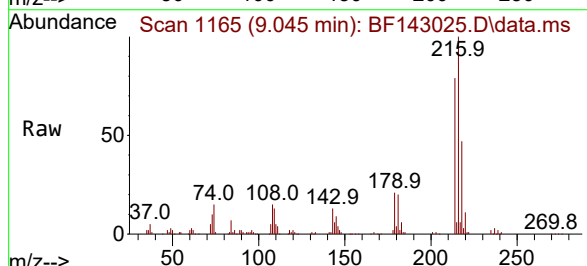
Ion Ratio Lower Upper

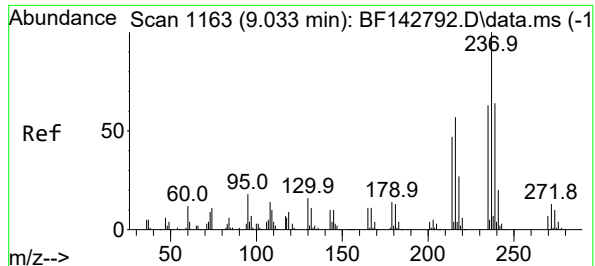
216 100

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

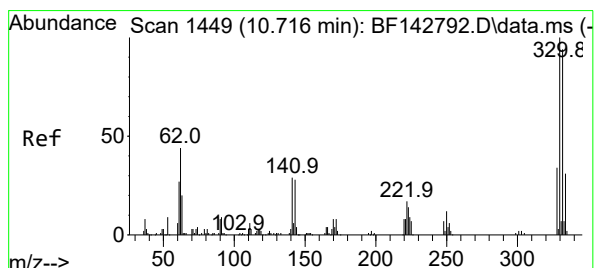
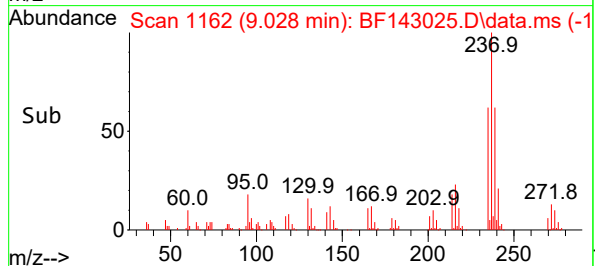
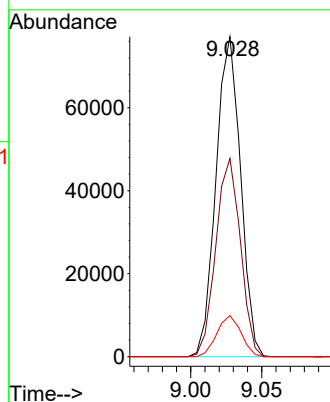
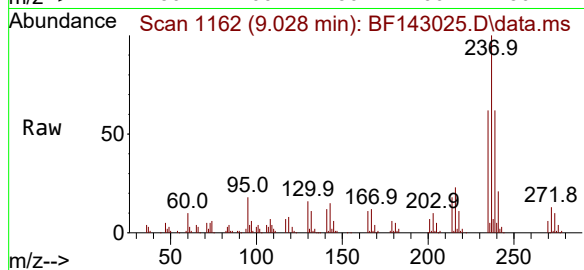
Tgt Ion:237 Resp: 92877

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

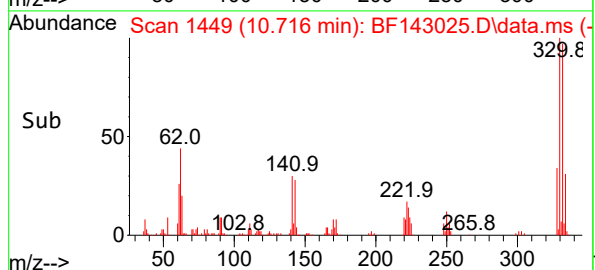
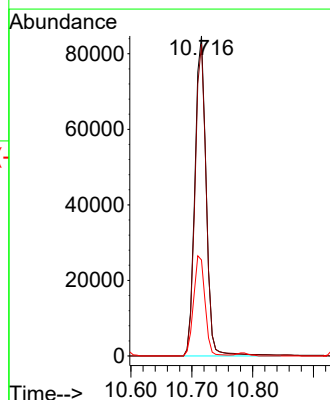
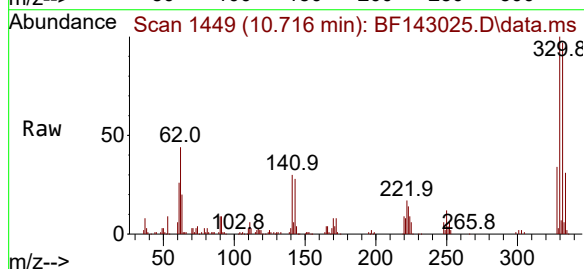
Tgt Ion:330 Resp: 108910

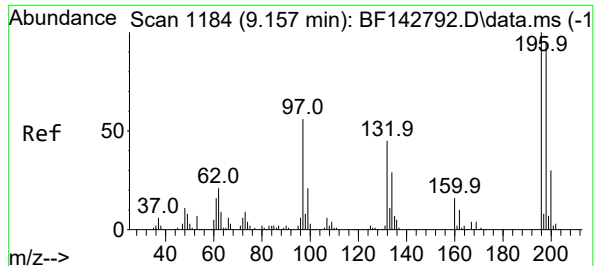
Ion Ratio Lower Upper

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

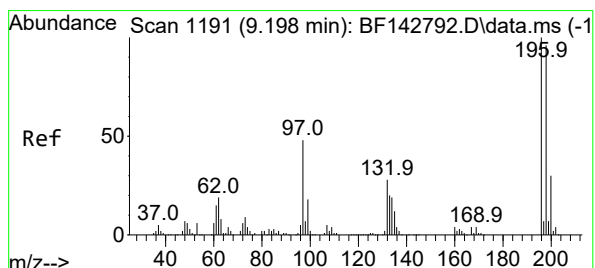
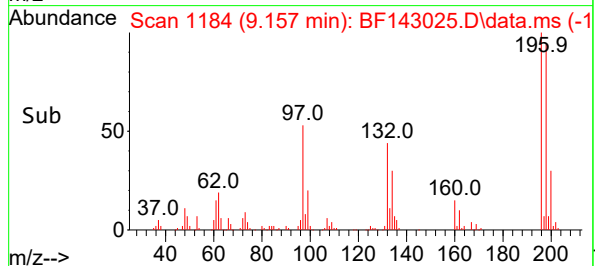
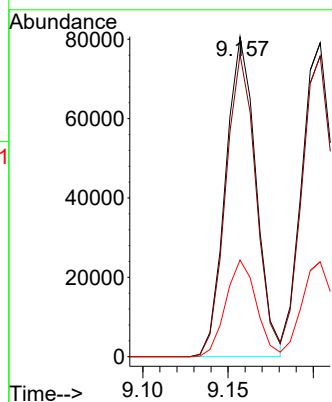
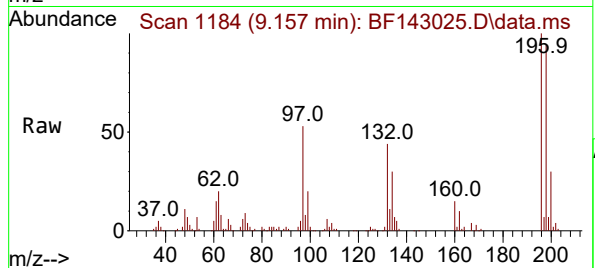
Tgt Ion:196 Resp: 100080

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

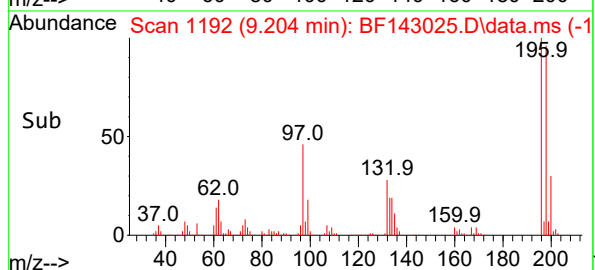
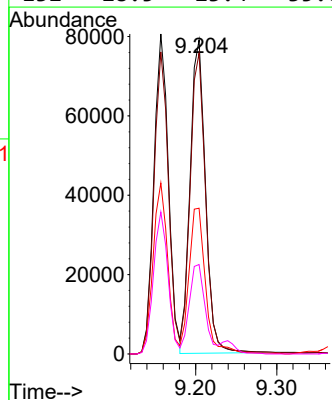
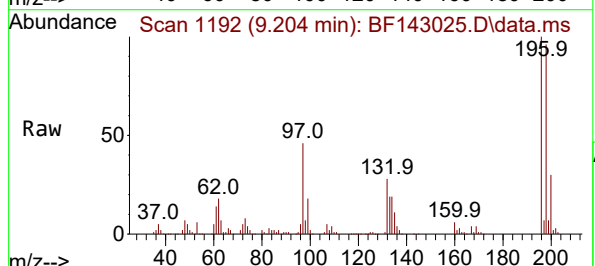
Ion Ratio Lower Upper

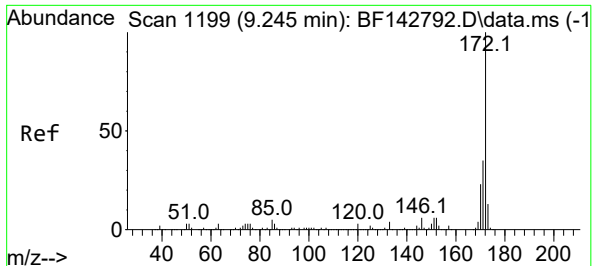
196 100

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

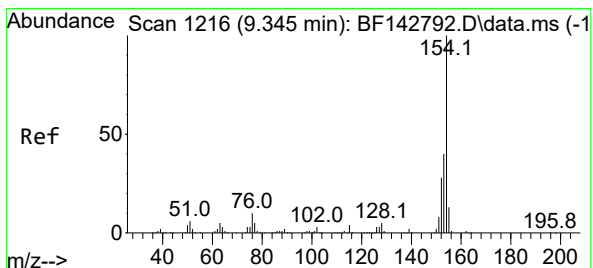
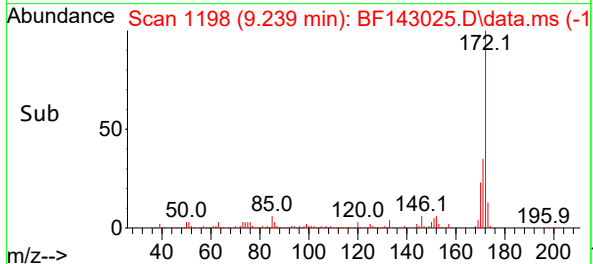
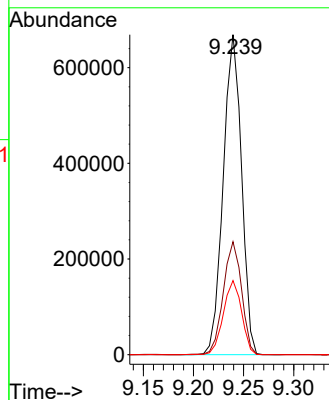
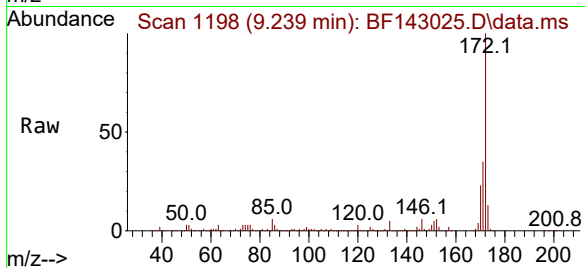
Tgt Ion:172 Resp: 846426

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

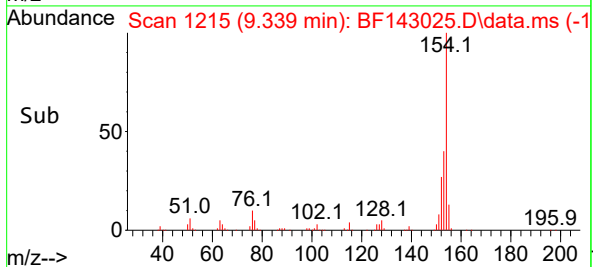
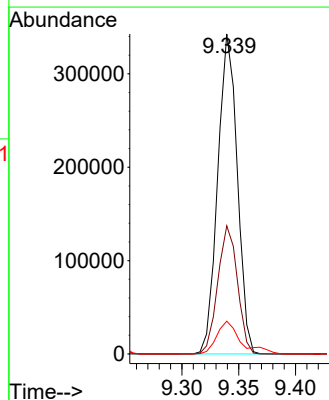
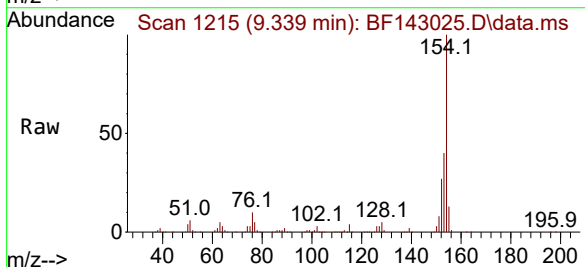
Tgt Ion:154 Resp: 410792

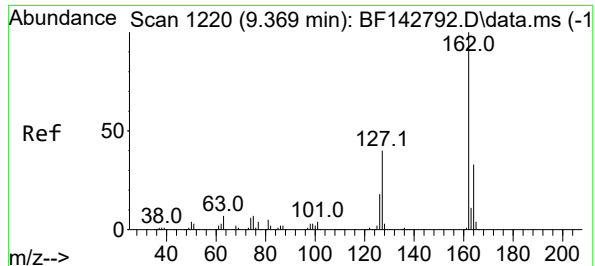
Ion Ratio Lower Upper

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

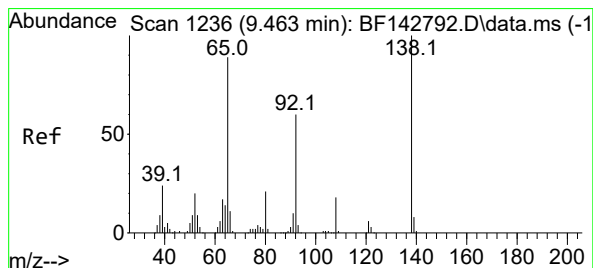
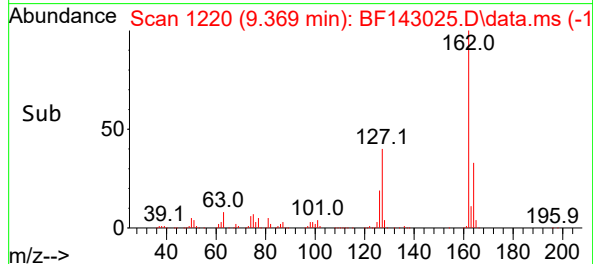
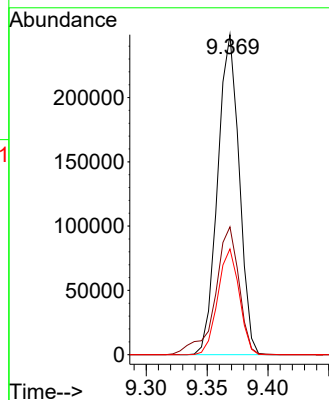
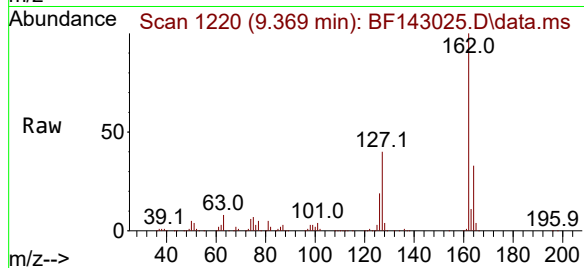
Tgt Ion:162 Resp: 306622

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

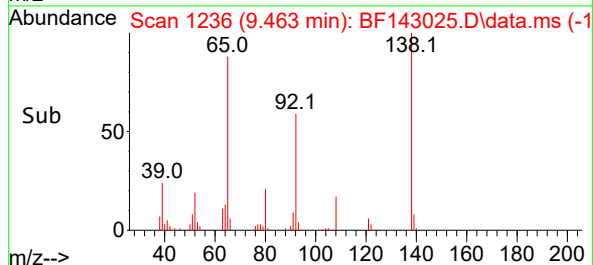
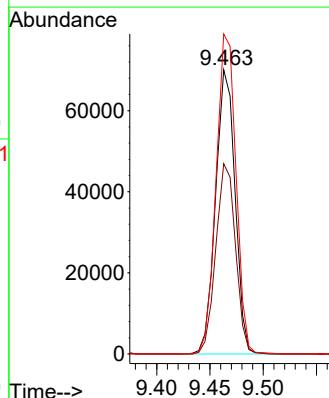
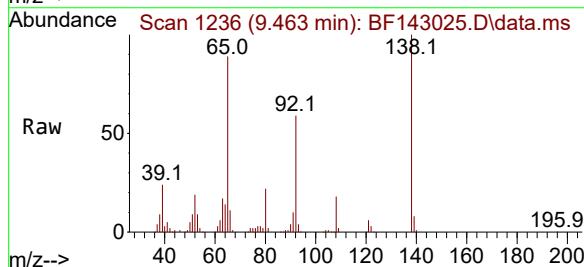
Tgt Ion: 65 Resp: 88943

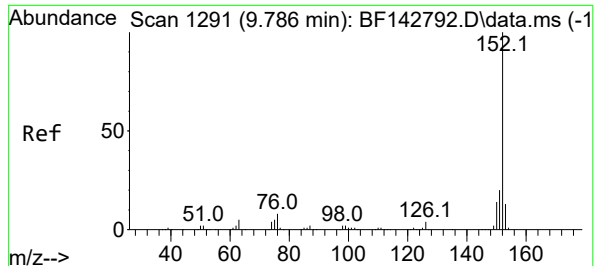
Ion Ratio Lower Upper

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# 1290

Delta R.T. -0.006 min

Lab File: BF143025.D

Acq: 08 Jul 2025 10:54

Instrument :

BNA_F

ClientSampleId :

SSTDCCC040

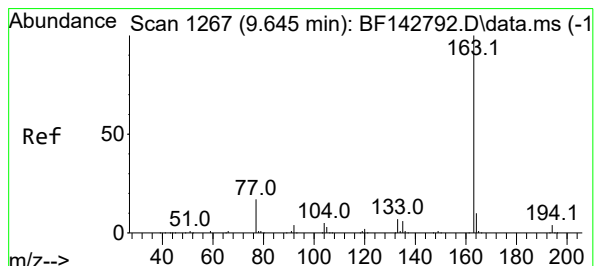
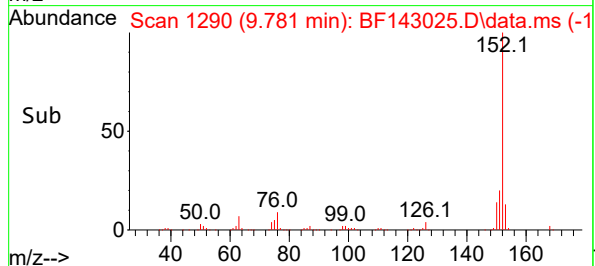
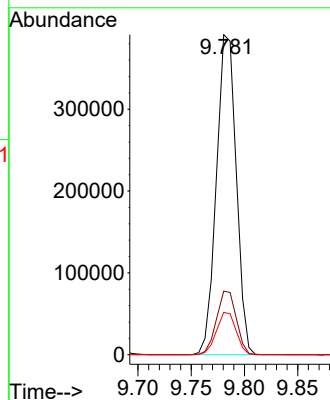
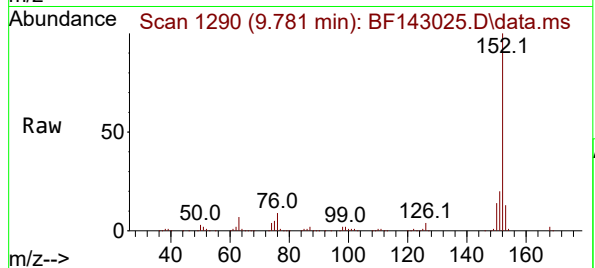
Tgt Ion:152 Resp: 505519

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

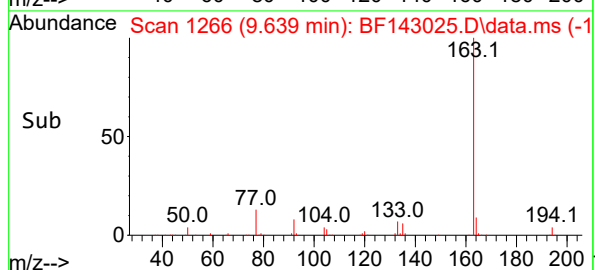
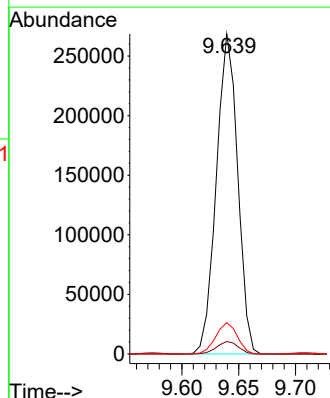
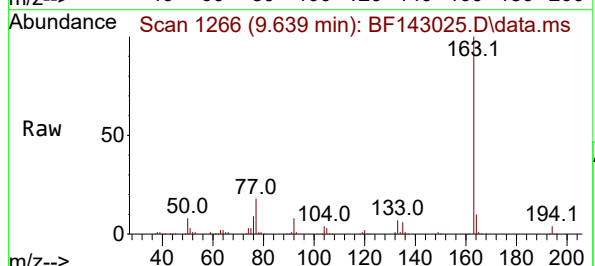
Tgt Ion:163 Resp: 350801

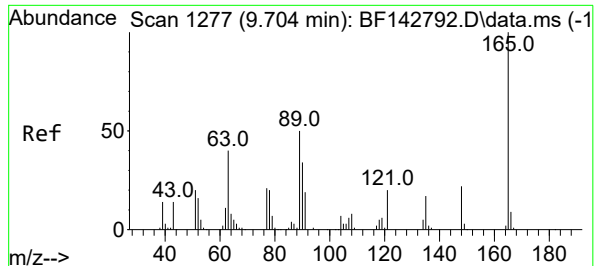
Ion Ratio Lower Upper

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

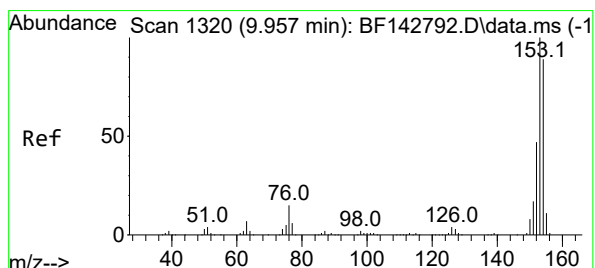
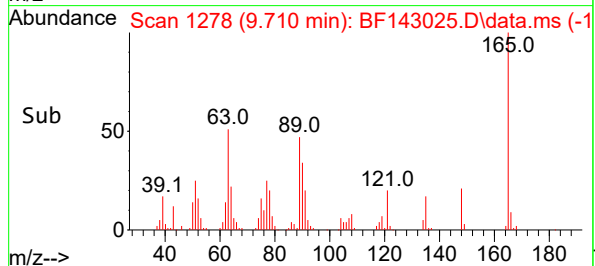
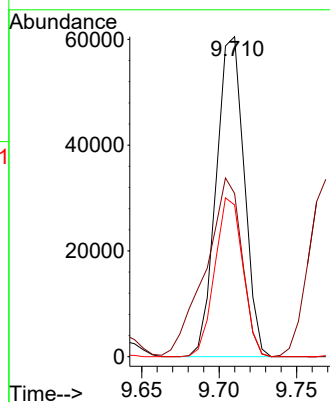
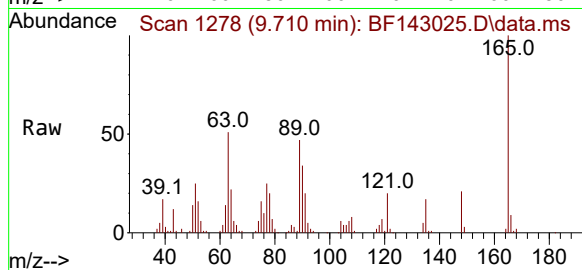
Tgt Ion:165 Resp: 75946

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

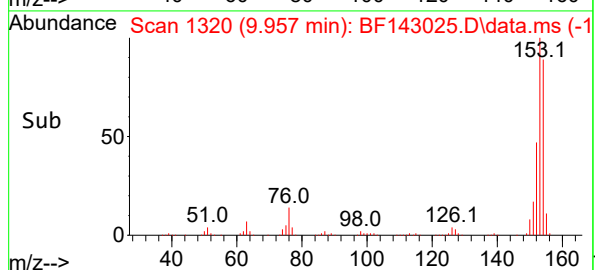
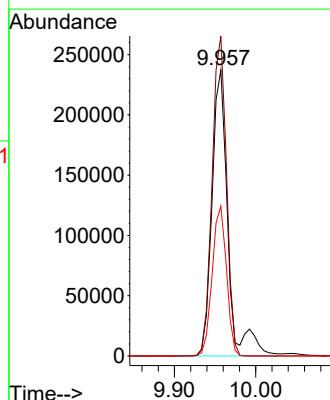
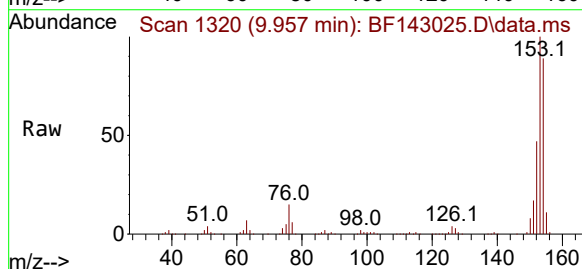
Tgt Ion:154 Resp: 321787

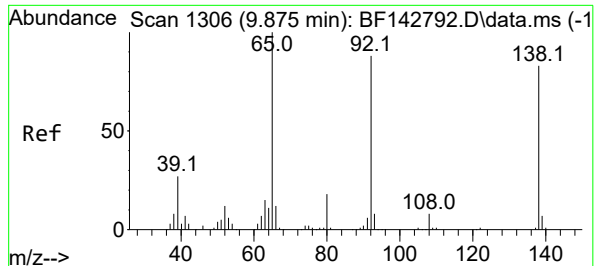
Ion Ratio Lower Upper

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

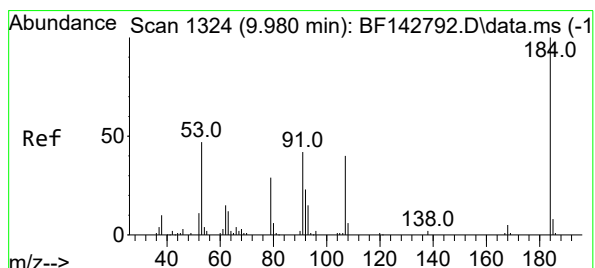
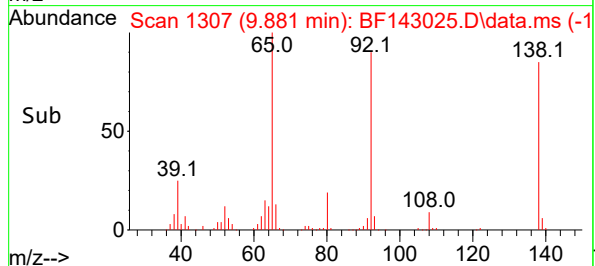
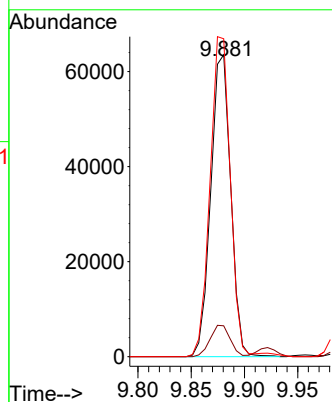
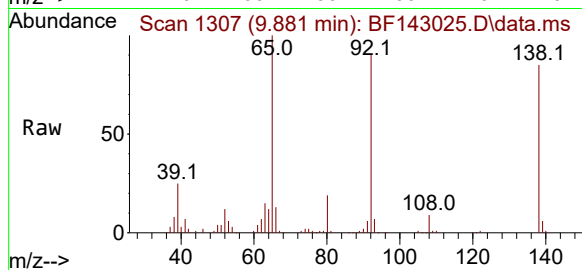
Tgt Ion:138 Resp: 82962

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

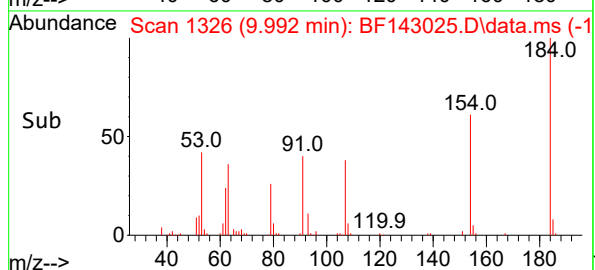
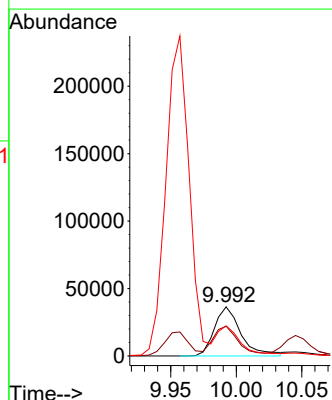
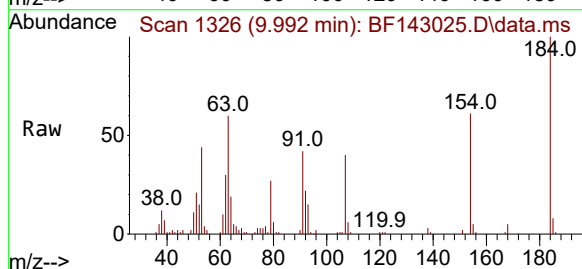
Tgt Ion:184 Resp: 51195

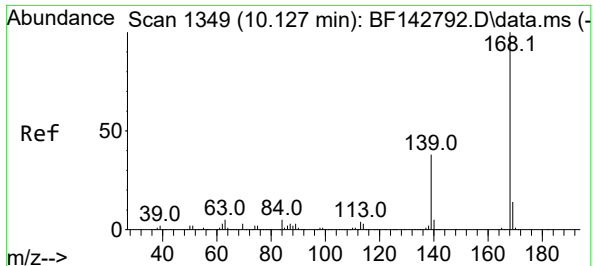
Ion Ratio Lower Upper

184 100

63 60.4 50.6 75.8

154 61.1 51.8 77.8

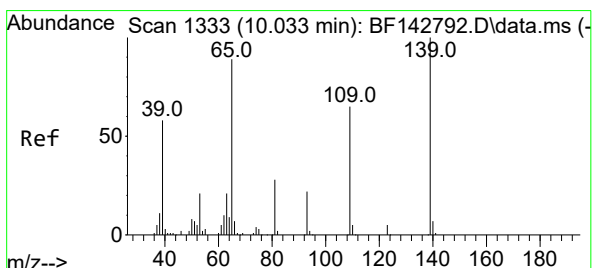
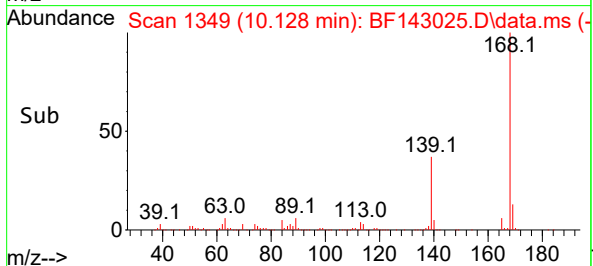
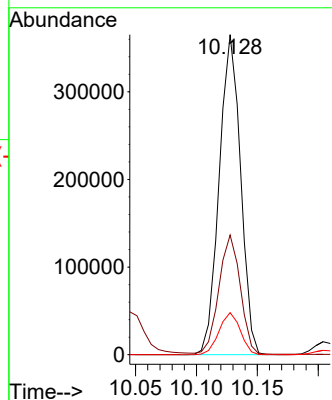
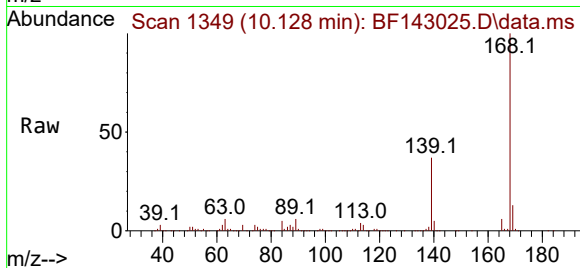




#55
Dibenzofuran
Concen: 38.268 ng
RT: 10.128 min Scan# 11
Delta R.T. 0.000 min
Lab File: BF143025.D
Acq: 08 Jul 2025 10:54

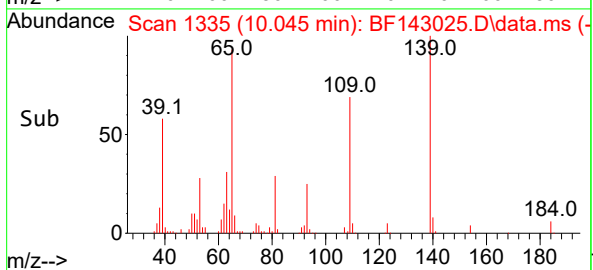
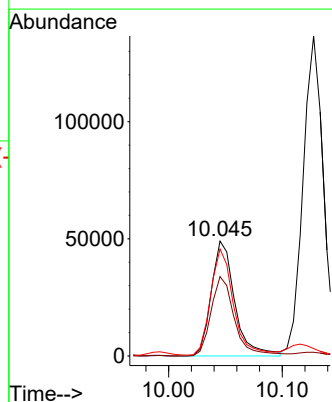
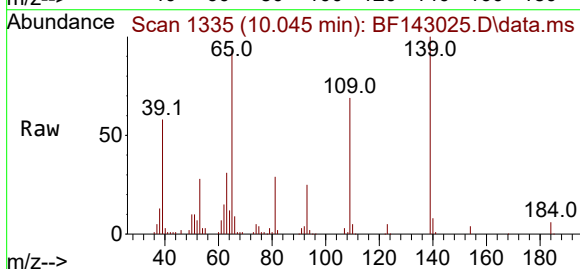
Instrument :
BNA_F
ClientSampleId :
SSTDCCC040

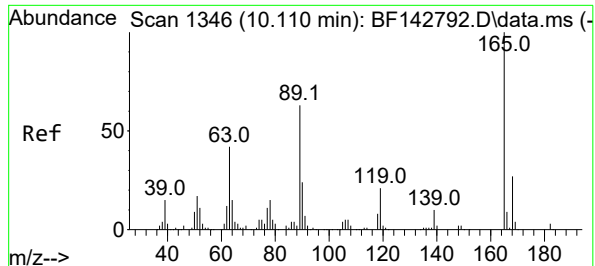
Tgt Ion:168 Resp: 445423
Ion Ratio Lower Upper
168 100
139 37.4 30.2 45.4
169 13.2 10.8 16.2



#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

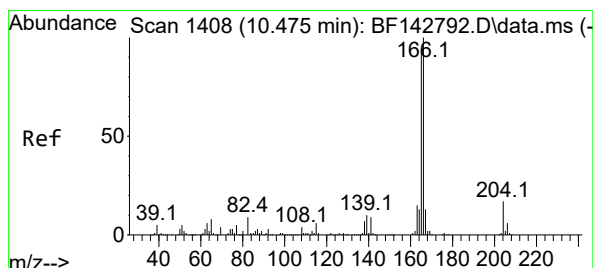
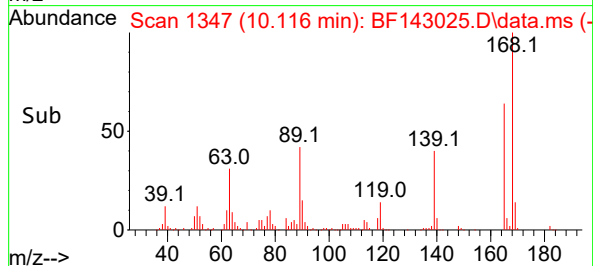
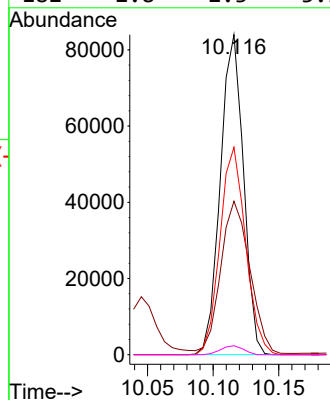
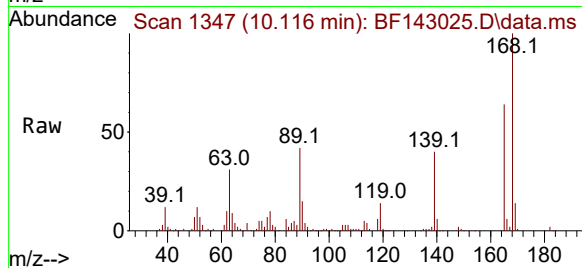
Ion Ratio Lower Upper

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

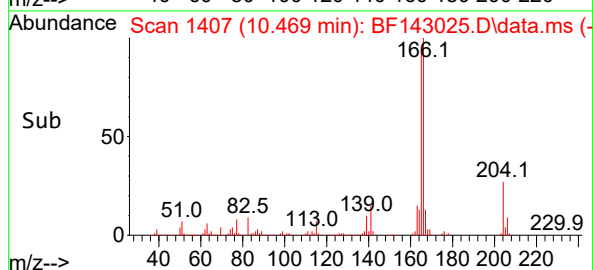
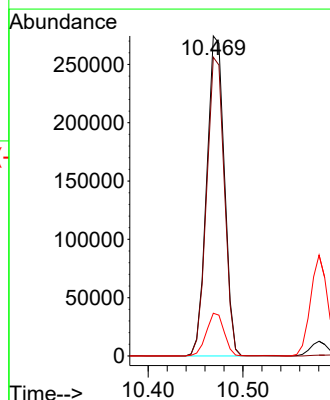
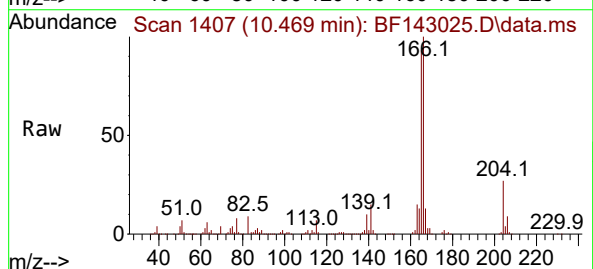
Tgt Ion:166 Resp: 354875

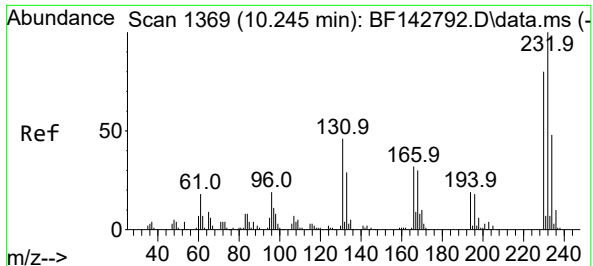
Ion Ratio Lower Upper

166 100

165 93.3 75.2 112.8

167 13.4 10.6 15.8

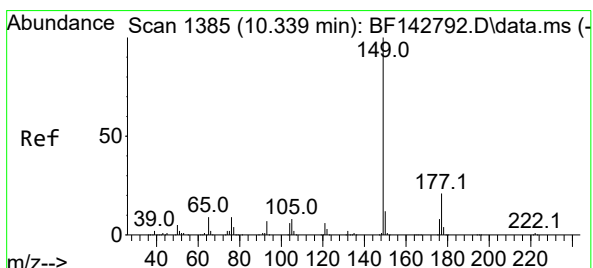
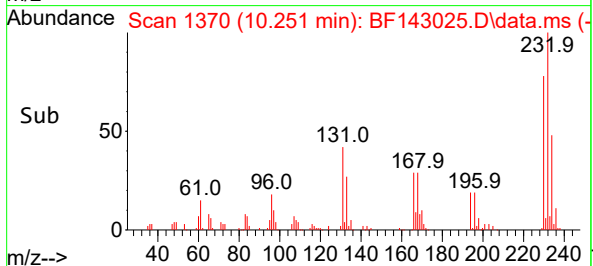
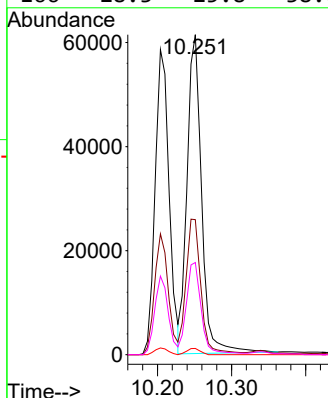
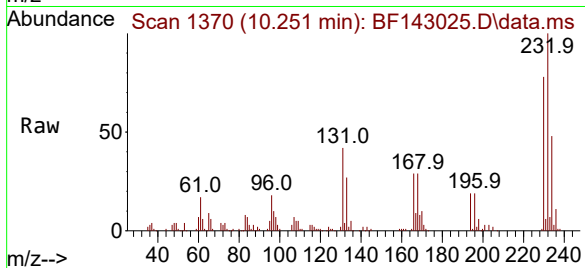




#59
2,3,4,6-Tetrachlorophenol
Concen: 37.618 ng
RT: 10.251 min Scan# 1370
Delta R.T. 0.006 min
Lab File: BF143025.D
Acq: 08 Jul 2025 10:54

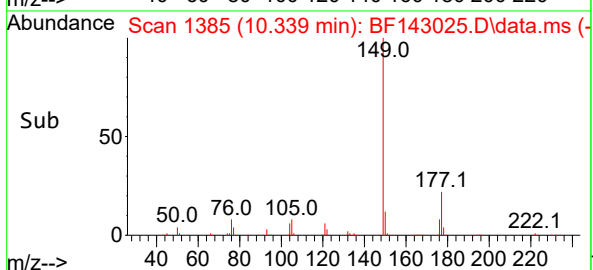
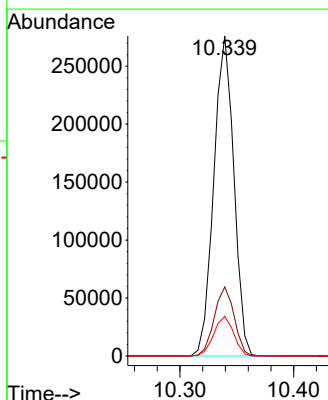
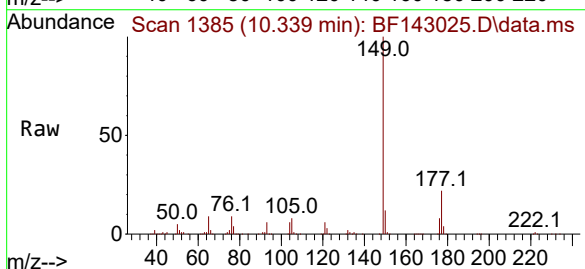
Instrument :
BNA_F
ClientSampleId :
SSTDCCC040

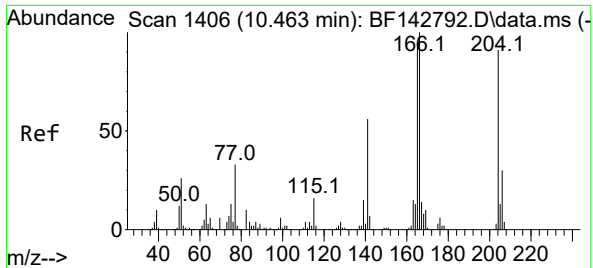
Tgt Ion:232 Resp: 83670
Ion Ratio Lower Upper
232 100
131 43.0 37.6 56.4
130 1.8 1.7 2.5
166 28.3 25.8 38.6



#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

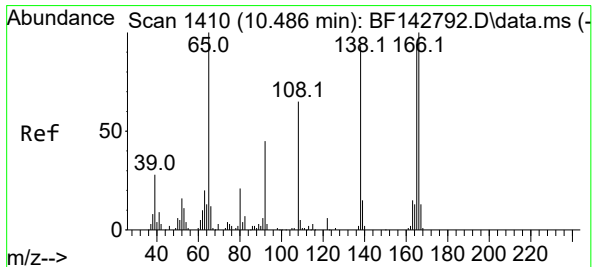
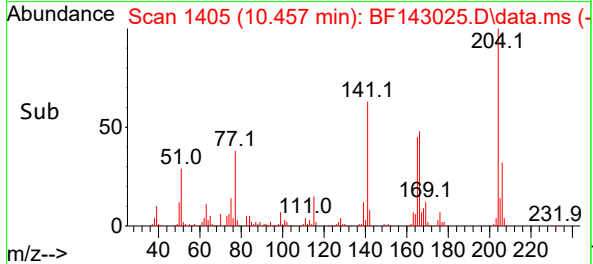
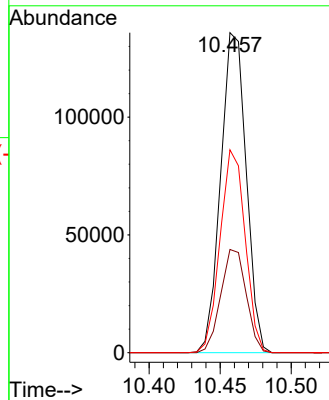
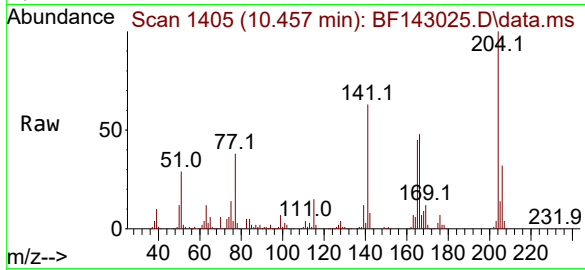




#61
4-Chlorophenyl-phenylether
Concen: 39.156 ng
RT: 10.457 min Scan# 1405
Delta R.T. -0.006 min
Lab File: BF143025.D
Acq: 08 Jul 2025 10:54

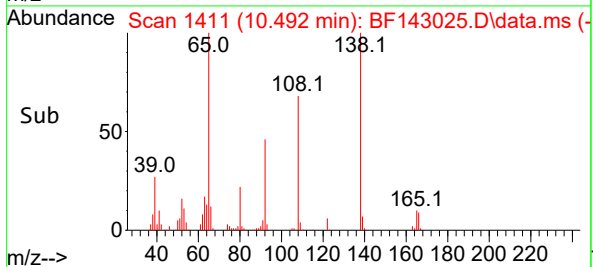
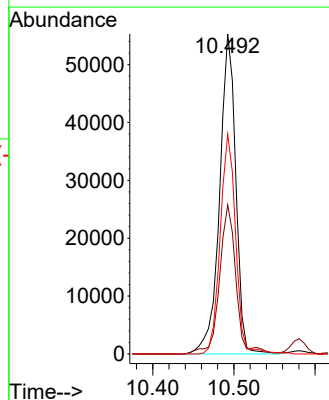
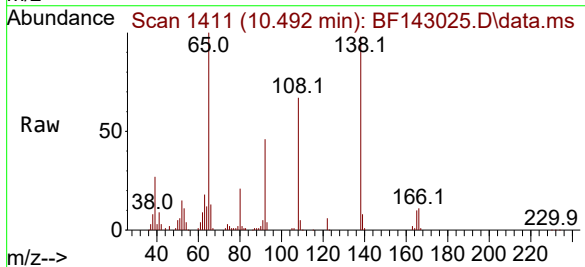
Instrument :
BNA_F
ClientSampleId :
SSTDCCC040

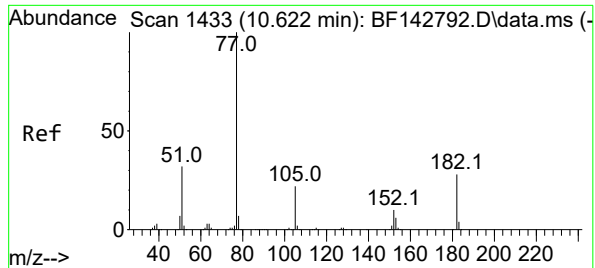
Tgt Ion:204 Resp: 169854
Ion Ratio Lower Upper
204 100
206 32.3 26.3 39.5
141 63.4 49.1 73.7



#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

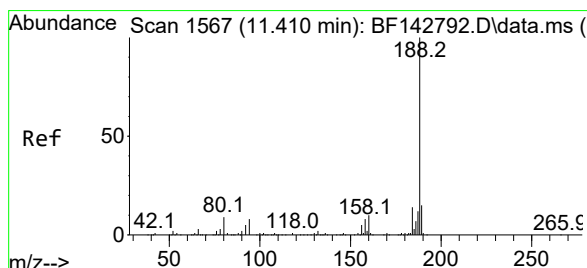
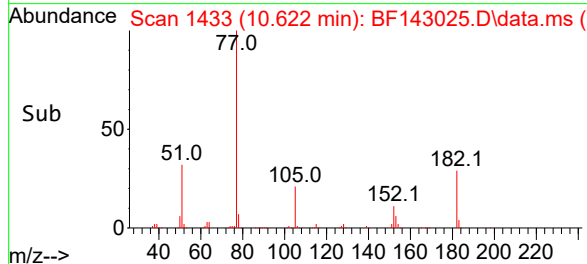
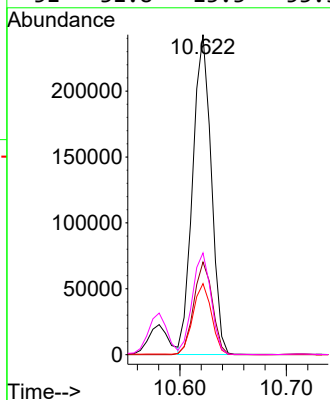
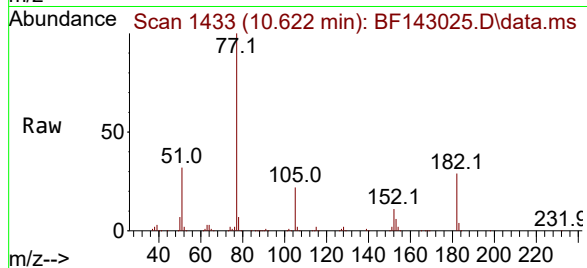




#63
Azobenzene
Concen: 37.977 ng
RT: 10.622 min Scan# 1433
Delta R.T. 0.000 min
Lab File: BF143025.D
Acq: 08 Jul 2025 10:54

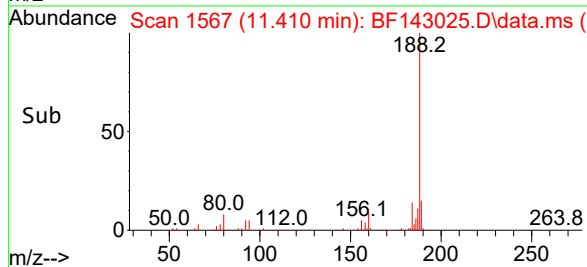
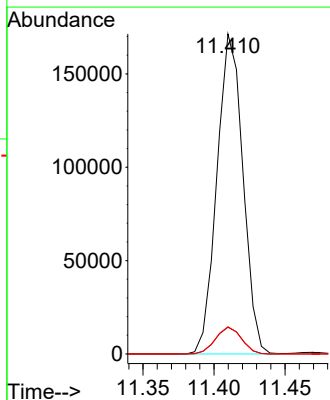
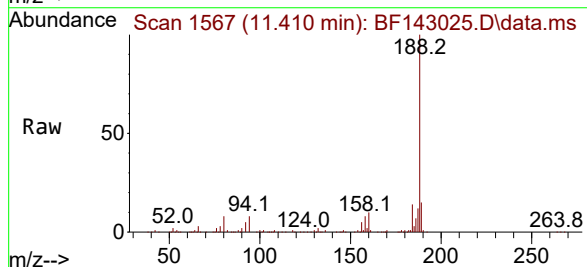
Instrument :
BNA_F
ClientSampleId :
SSTDCCC040

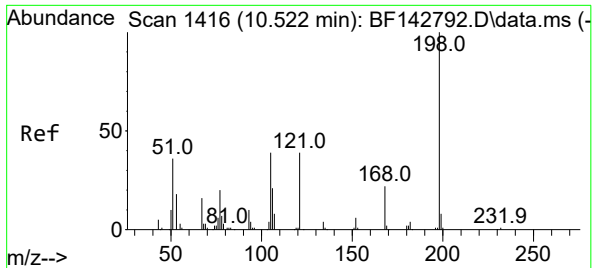
Tgt Ion: 77 Resp: 293688
Ion Ratio Lower Upper
77 100
182 28.9 7.7 47.7
105 22.2 1.9 41.9
51 31.8 13.3 53.3



#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

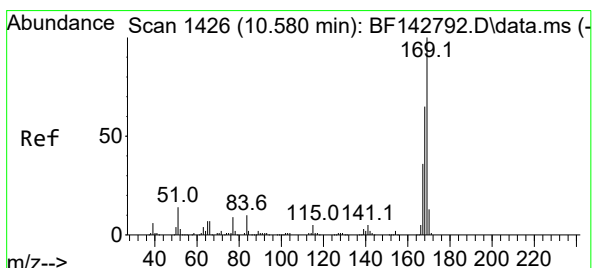
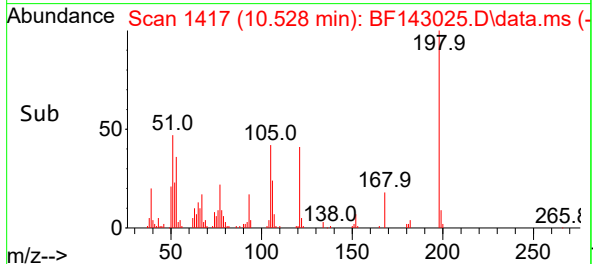
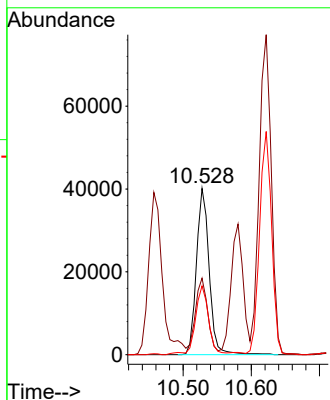
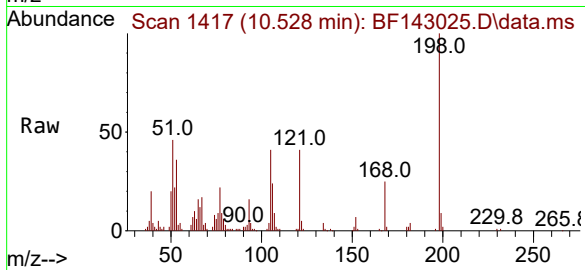




#65
4,6-Dinitro-2-methylphenol
Concen: 39.580 ng
RT: 10.528 min Scan# 1416
Delta R.T. 0.006 min
Lab File: BF143025.D
Acq: 08 Jul 2025 10:54

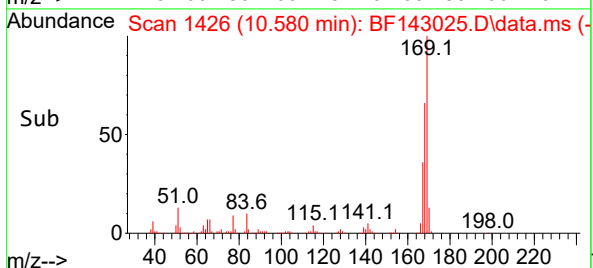
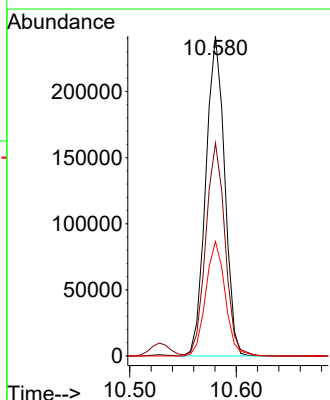
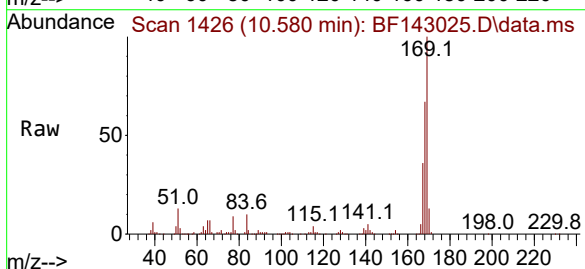
Instrument :
BNA_F
ClientSampleId :
SSTDCCC040

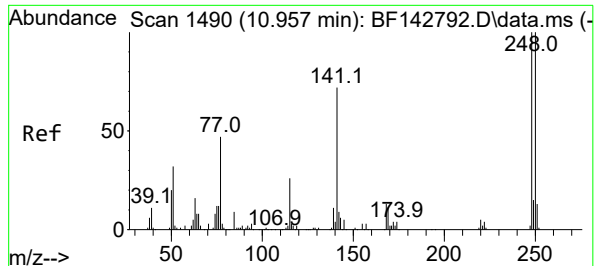
Tgt Ion:198 Resp: 52231
Ion Ratio Lower Upper
198 100
51 46.0 25.4 65.4
105 41.4 20.4 60.4



#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

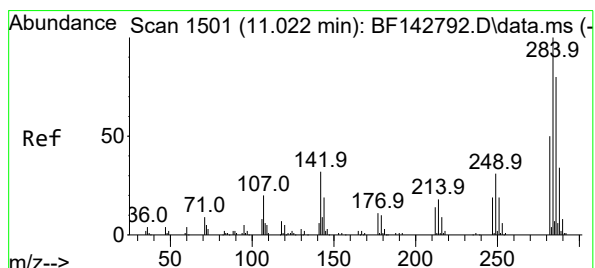
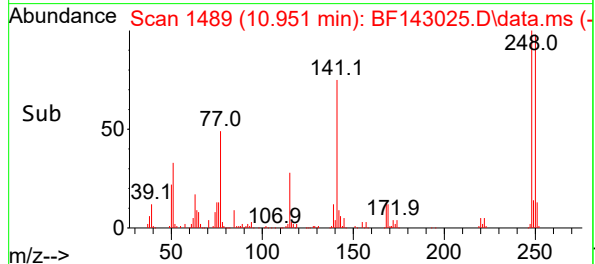
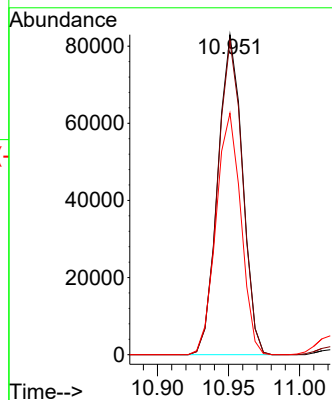
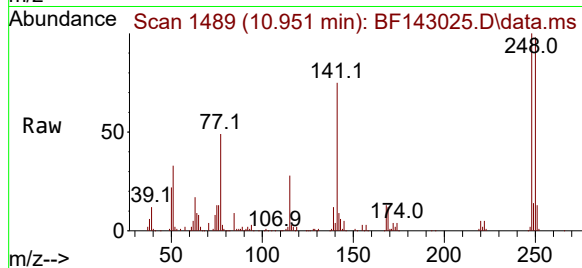




#67
4-Bromophenyl-phenylether
Concen: 40.413 ng
RT: 10.951 min Scan# 1490
Delta R.T. -0.006 min
Lab File: BF143025.D
Acq: 08 Jul 2025 10:54

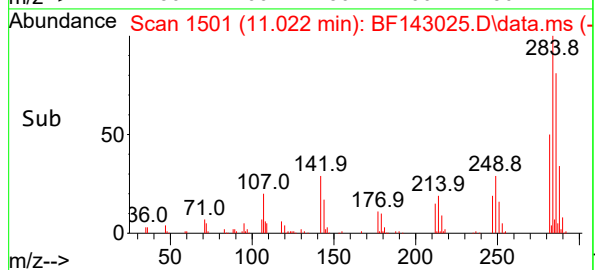
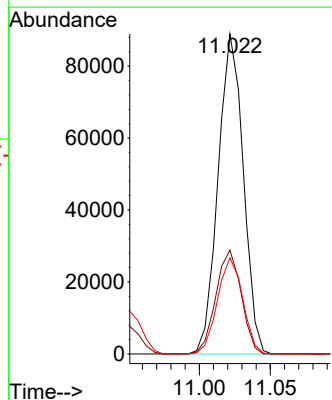
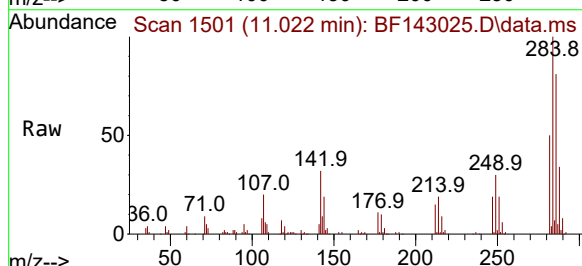
Instrument :
BNA_F
ClientSampleId :
SSTDCCC040

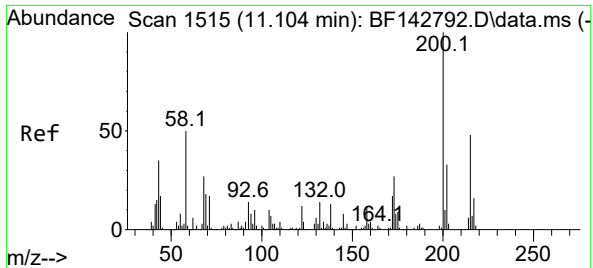
Tgt Ion:248 Resp: 100343
Ion Ratio Lower Upper
248 100
250 98.1 79.8 119.8
141 75.5 57.8 86.6



#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

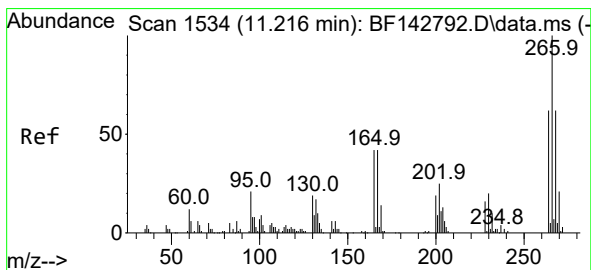
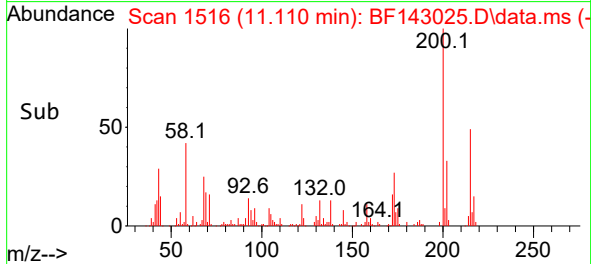
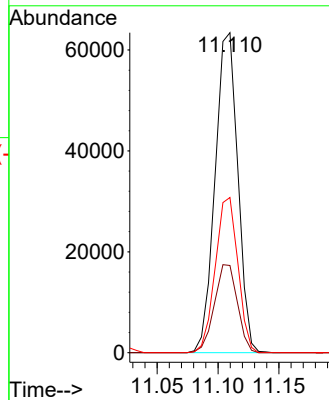
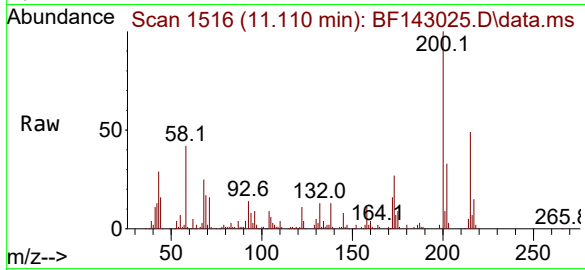
Tgt Ion:200 Resp: 82526

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

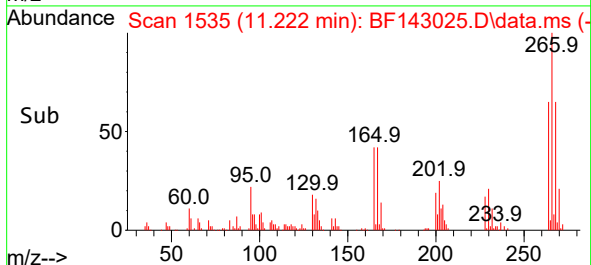
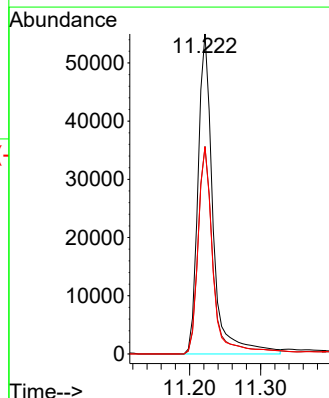
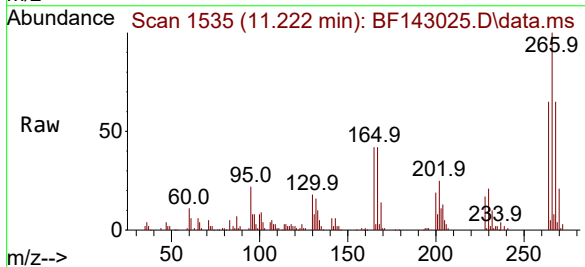
Tgt Ion:266 Resp: 80900

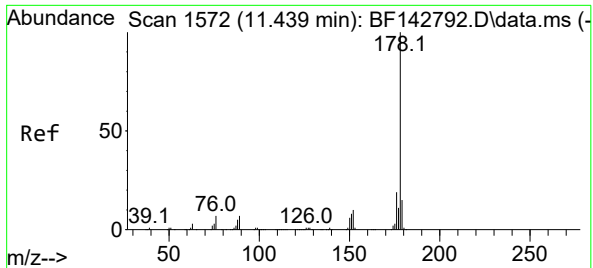
Ion Ratio Lower Upper

266 100

268 64.8 49.8 74.8

264 64.7 49.9 74.9

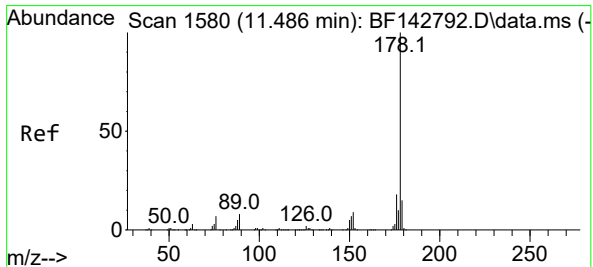
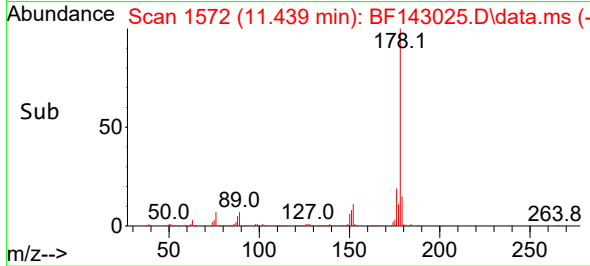
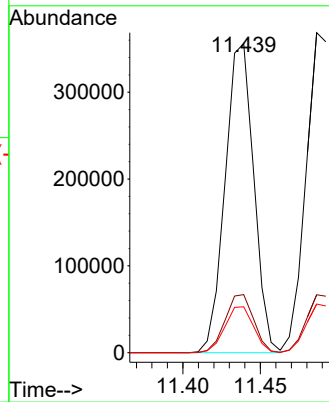
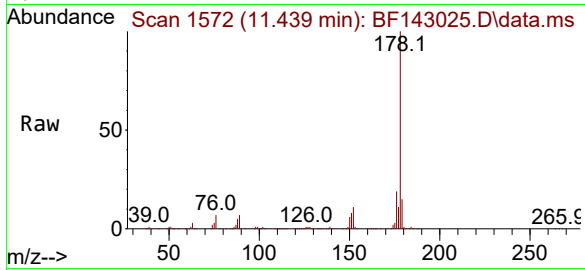




#71
Phenanthrene
Concen: 38.822 ng
RT: 11.439 min Scan# 1572
Delta R.T. 0.000 min
Lab File: BF143025.D
Acq: 08 Jul 2025 10:54

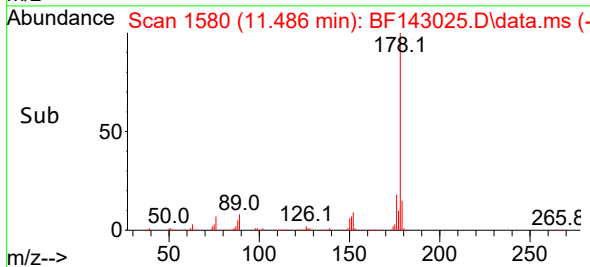
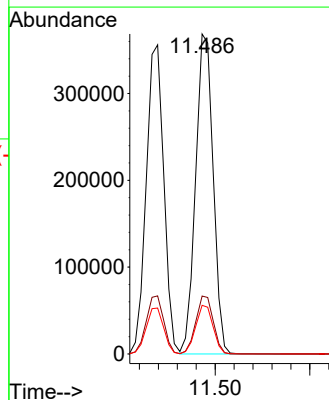
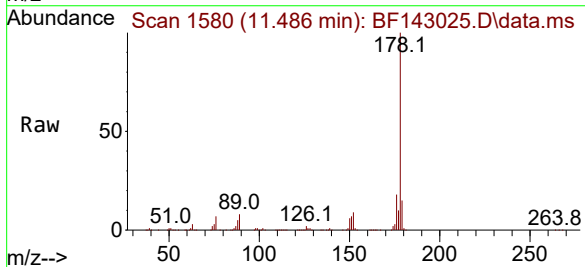
Instrument :
BNA_F
ClientSampleId :
SSTDCCC040

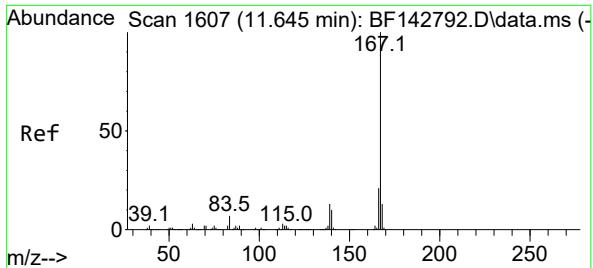
Tgt Ion:178 Resp: 458805
Ion Ratio Lower Upper
178 100
176 18.8 15.1 22.7
179 14.9 12.0 18.0



#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

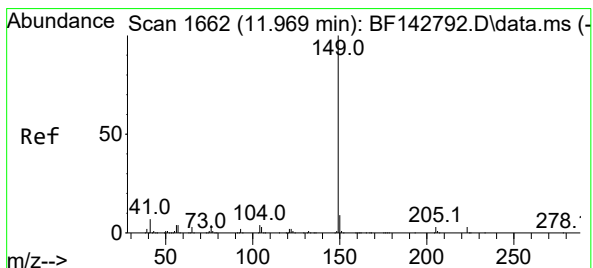
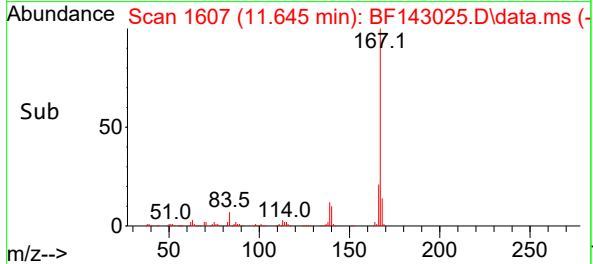
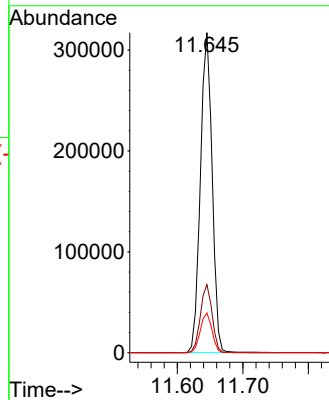
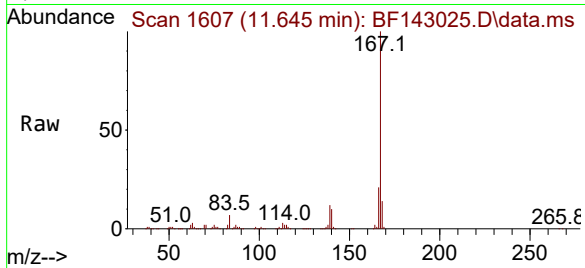




#73
 Carbazole
 Concen: 37.887 ng
 RT: 11.645 min Scan# 1607
 Delta R.T. 0.000 min
 Lab File: BF143025.D
 Acq: 08 Jul 2025 10:54

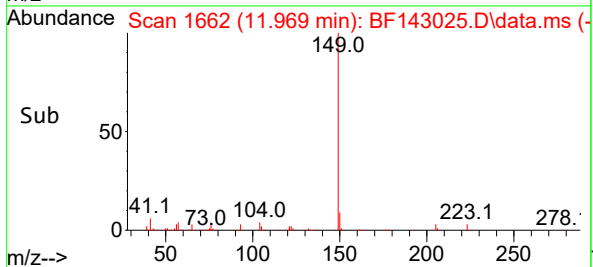
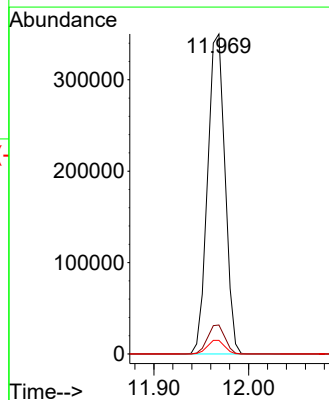
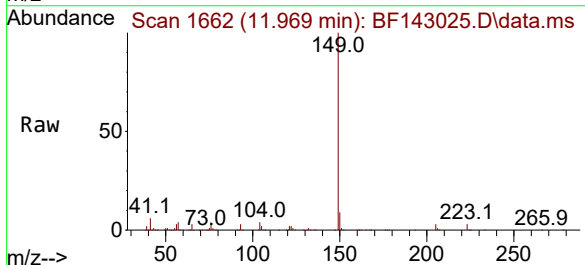
Instrument :
 BNA_F
 ClientSampleId :
 SSTDCCC040

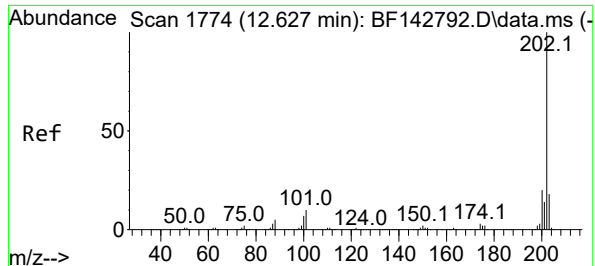
Tgt Ion:167 Resp: 396286
 Ion Ratio Lower Upper
 167 100
 166 21.2 17.0 25.4
 139 12.4 10.2 15.2



#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

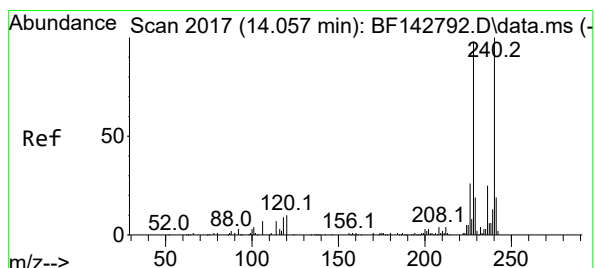
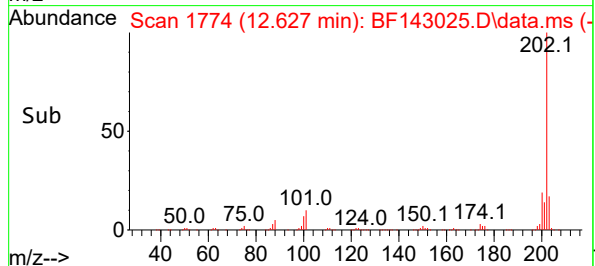
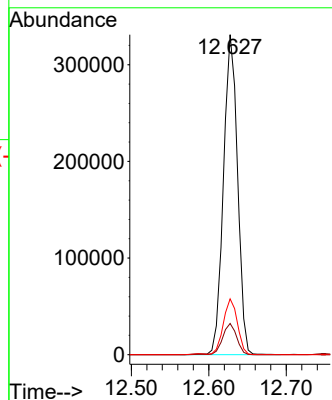
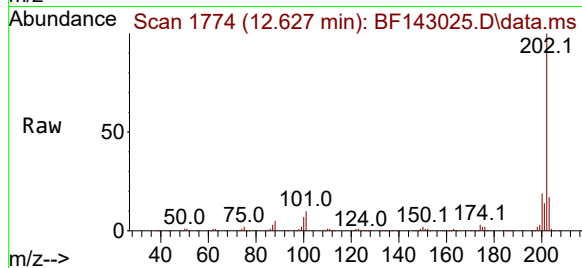




#75
Fluoranthene
Concen: 37.322 ng
RT: 12.627 min Scan# 11
Delta R.T. 0.000 min
Lab File: BF143025.D
Acq: 08 Jul 2025 10:54

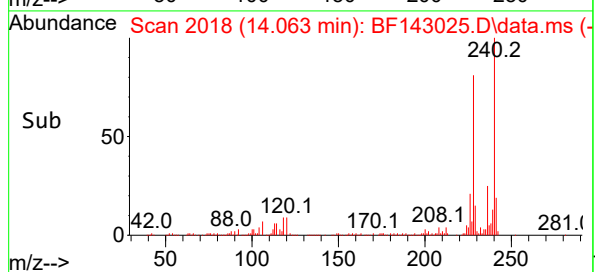
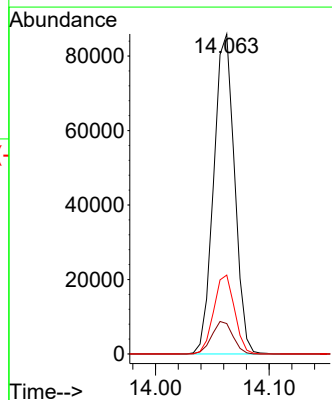
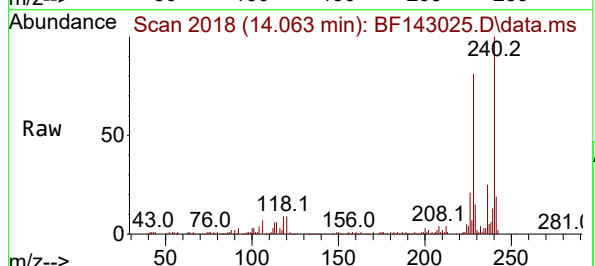
Instrument :
BNA_F
ClientSampleId :
SSTDCCC040

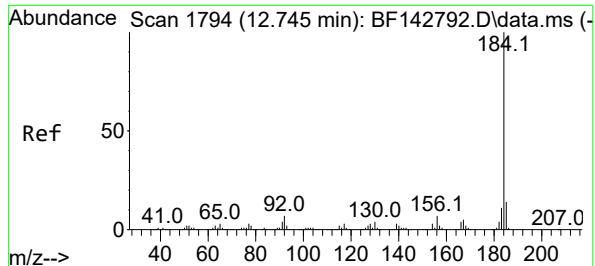
Tgt Ion	Ratio	Lower	Upper
202	100		
101	9.8	0.0	29.7
203	17.4	0.0	37.5



#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	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

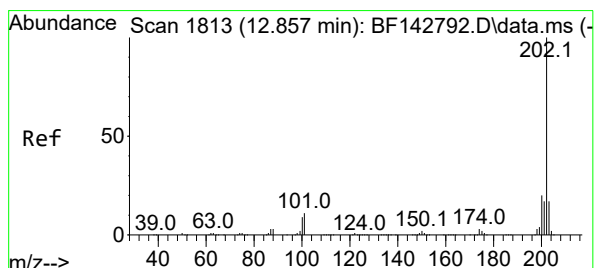
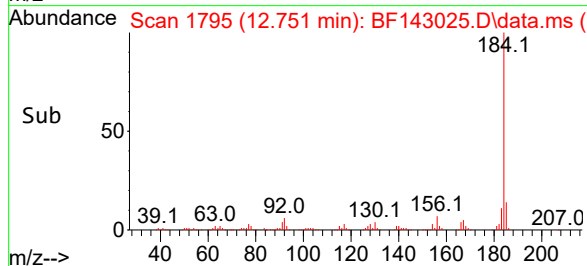
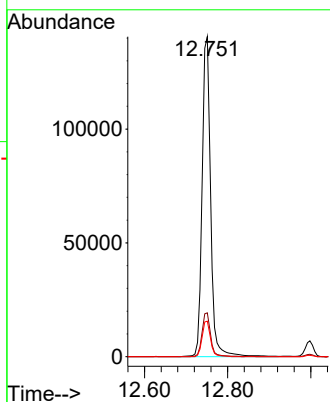
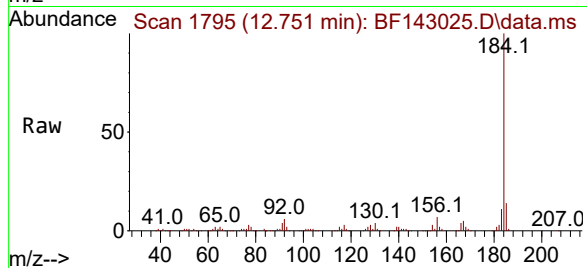
Tgt Ion:184 Resp: 200477

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

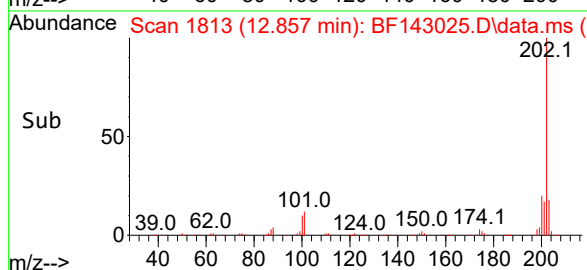
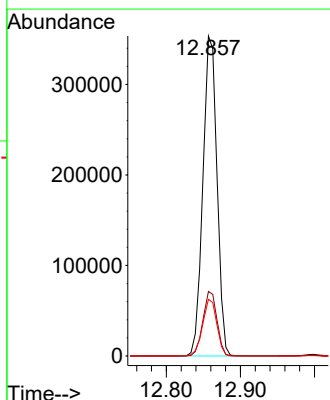
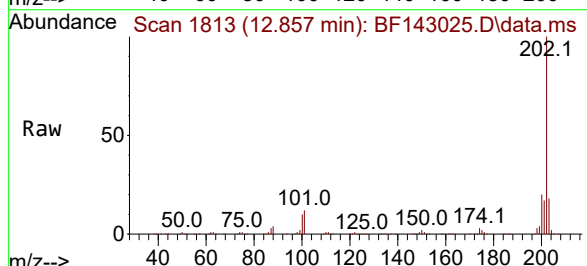
Tgt Ion:202 Resp: 467410

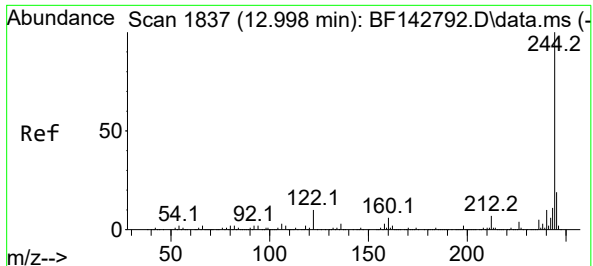
Ion Ratio Lower Upper

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

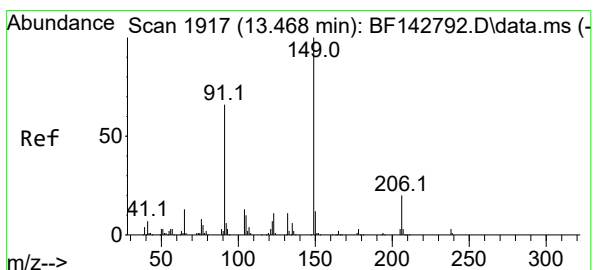
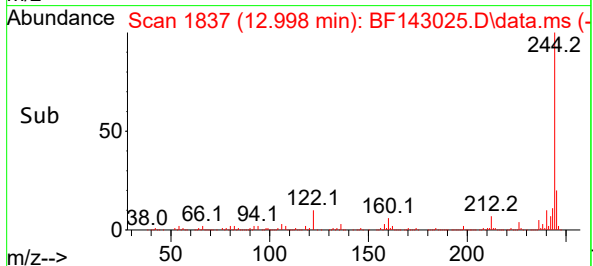
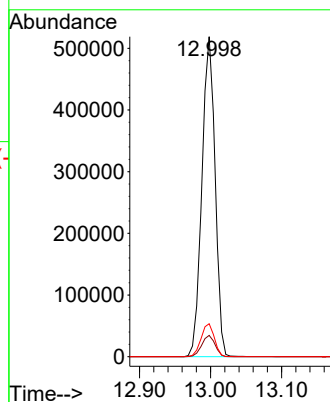
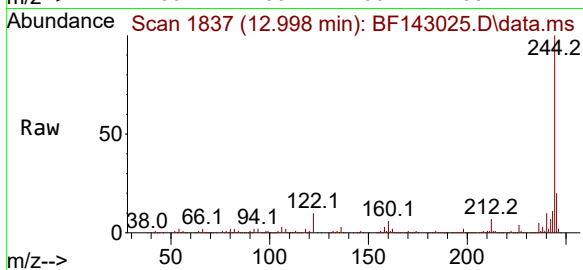
Tgt Ion:244 Resp: 672150

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

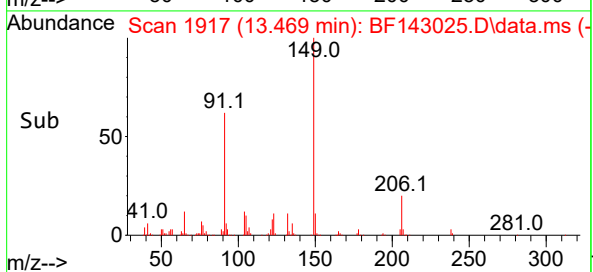
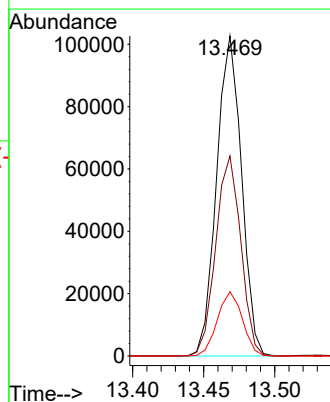
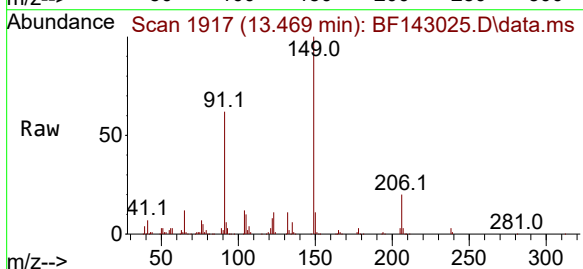
Tgt Ion:149 Resp: 125308

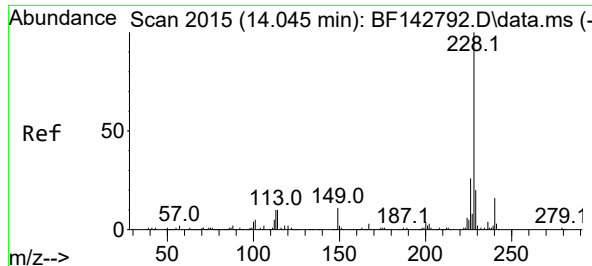
Ion Ratio Lower Upper

149 100

91 62.5 52.9 79.3

206 20.1 16.3 24.5

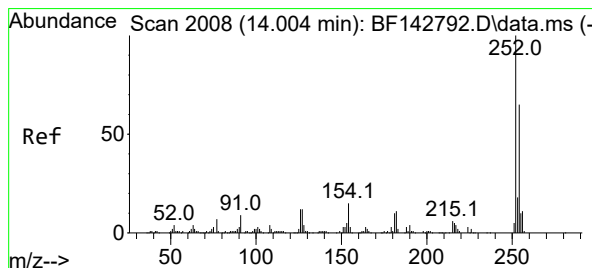
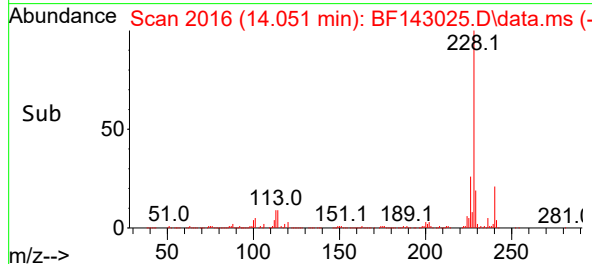
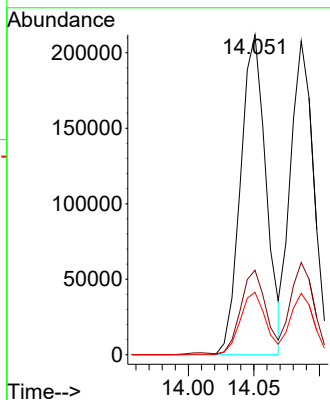
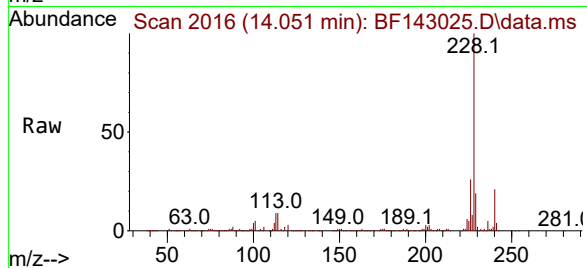




#81
Benzo(a)anthracene
Concen: 38.824 ng
RT: 14.051 min Scan# 2015
Delta R.T. 0.006 min
Lab File: BF143025.D
Acq: 08 Jul 2025 10:54

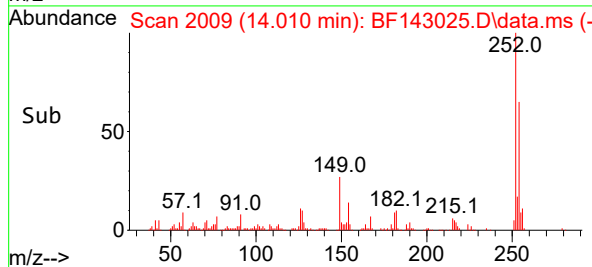
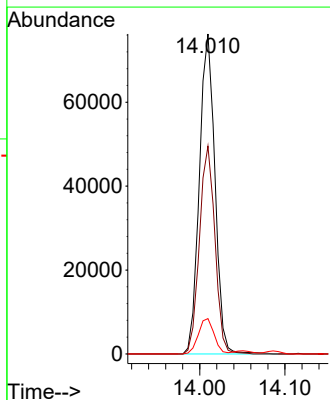
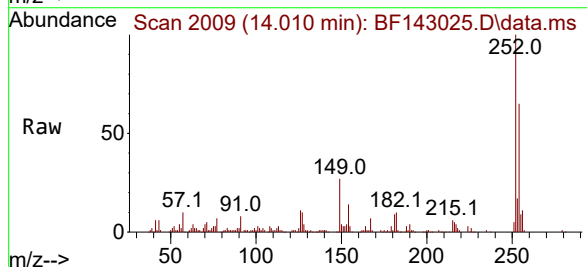
Instrument :
BNA_F
ClientSampleId :
SSTDCCC040

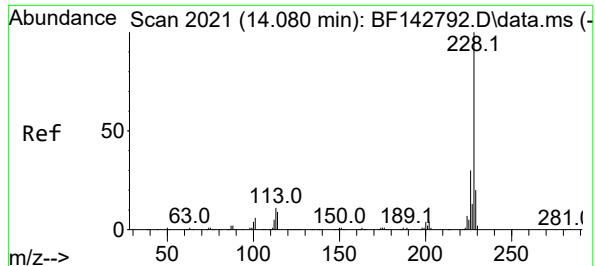
Tgt Ion:228 Resp: 286505
Ion Ratio Lower Upper
228 100
226 26.4 21.2 31.8
229 19.5 15.6 23.4



#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

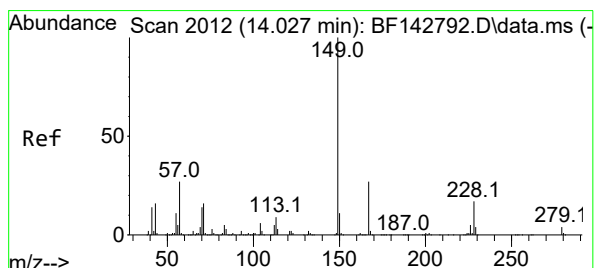
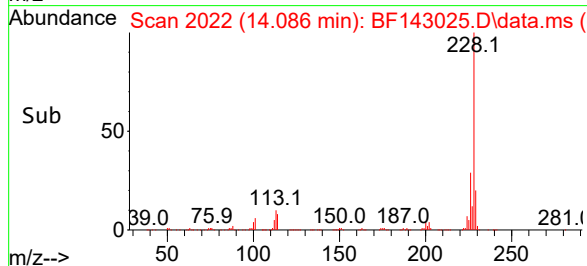
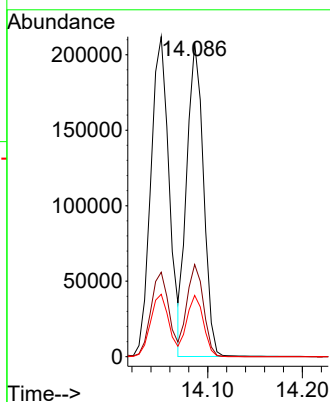
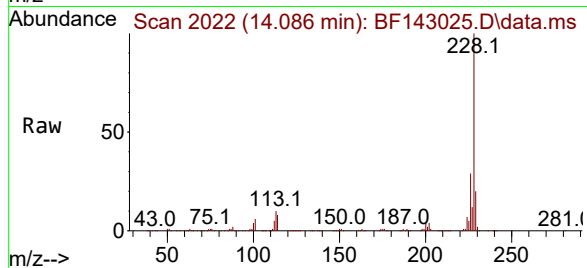
Tgt Ion:228 Resp: 253970

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

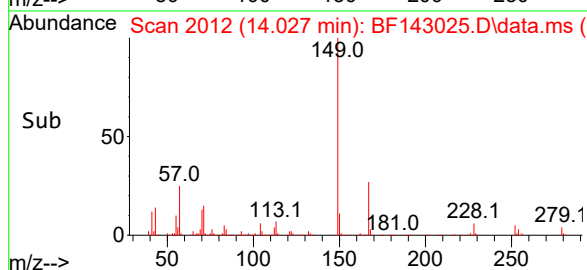
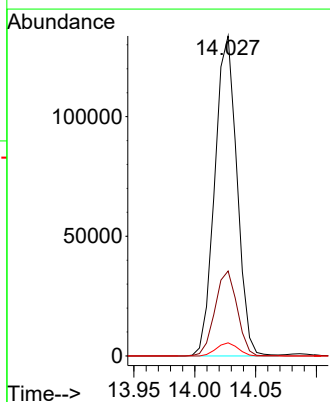
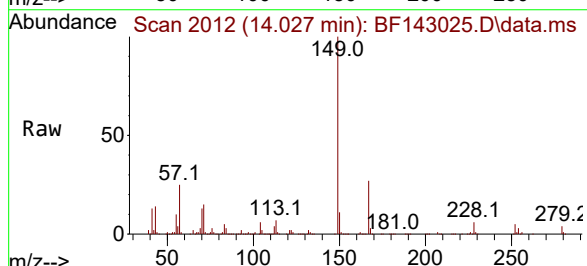
Tgt Ion:149 Resp: 169570

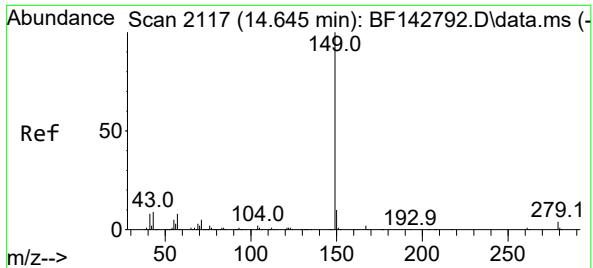
Ion Ratio Lower Upper

149 100

167 26.6 21.4 32.0

279 4.1 3.0 4.6

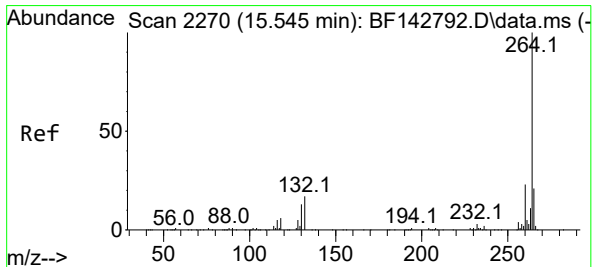
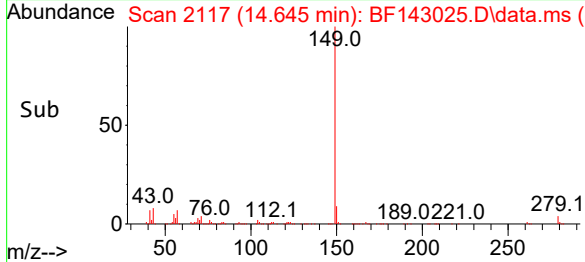
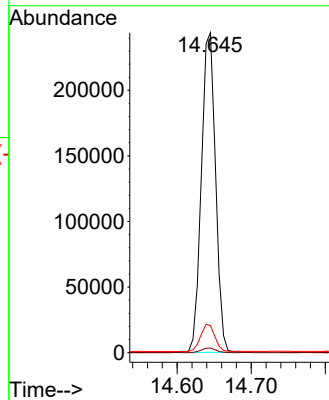
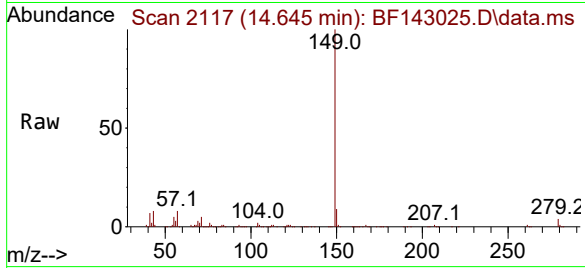




#85
Di-n-octyl phthalate
Concen: 40.101 ng
RT: 14.645 min Scan# 2117
Delta R.T. 0.000 min
Lab File: BF143025.D
Acq: 08 Jul 2025 10:54

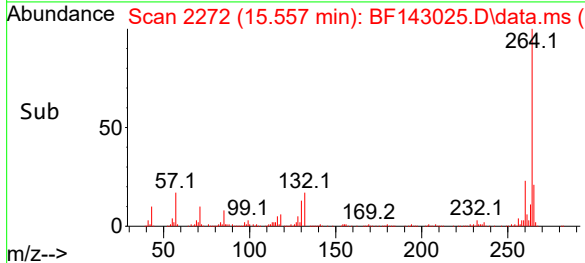
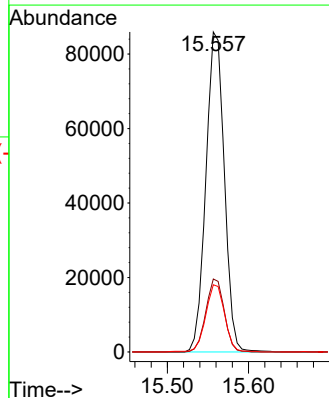
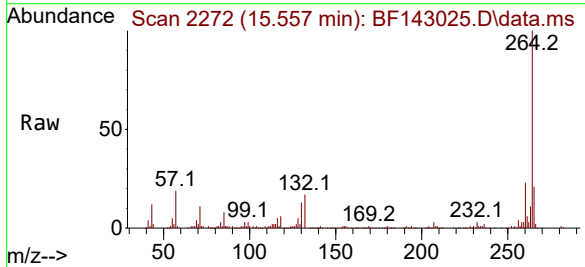
Instrument :
BNA_F
ClientSampleId :
SSTDCCC040

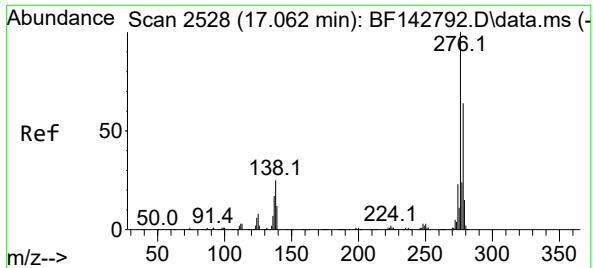
Tgt Ion:149 Resp: 323589
Ion Ratio Lower Upper
149 100
167 1.5 1.3 1.9
43 8.6 7.6 11.4



#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# 2197

Delta R.T. 0.030 min

Lab File: BF143025.D

Acq: 08 Jul 2025 10:54

Instrument :

BNA_F

ClientSampleId :

SSTDCCC040

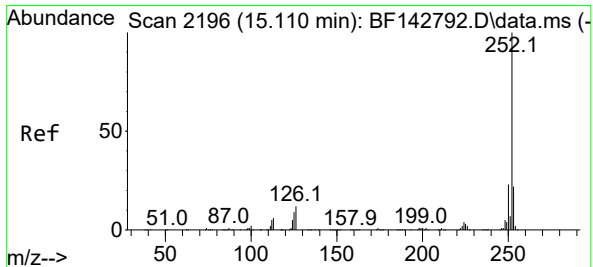
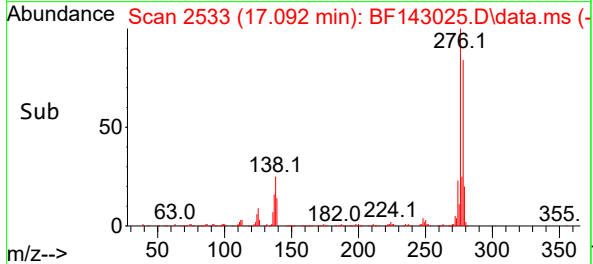
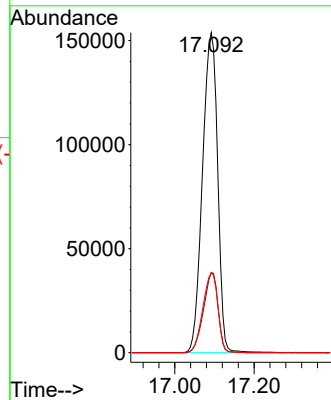
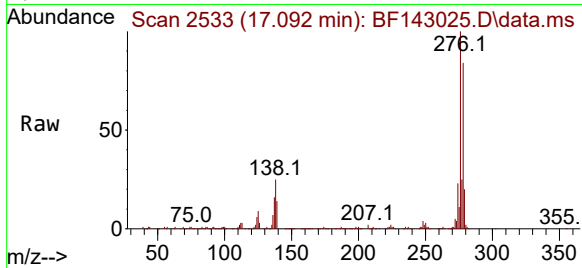
Tgt Ion:276 Resp: 408600

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

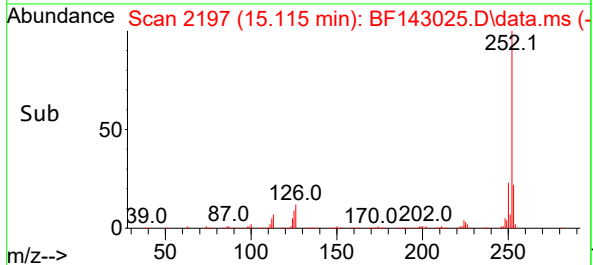
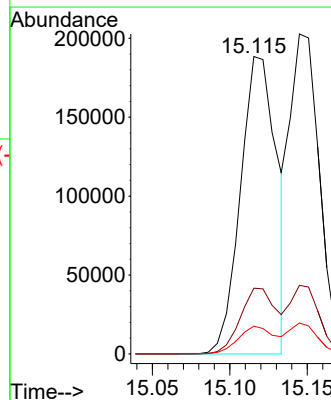
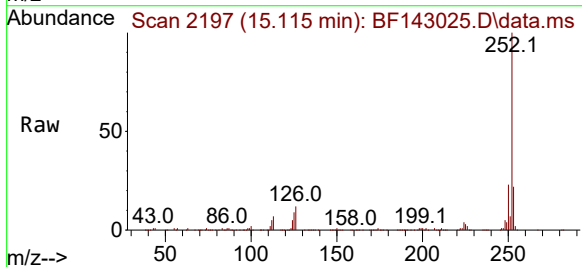
Tgt Ion:252 Resp: 306592

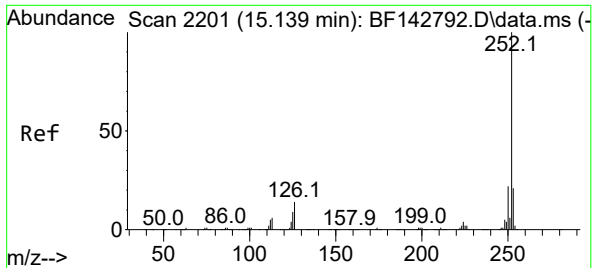
Ion Ratio Lower Upper

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

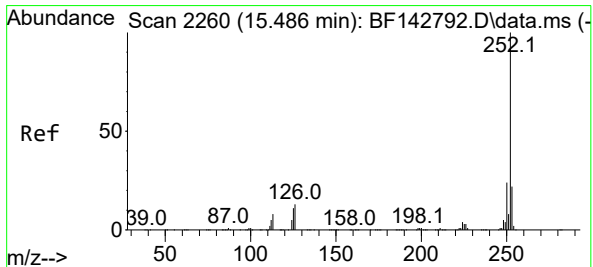
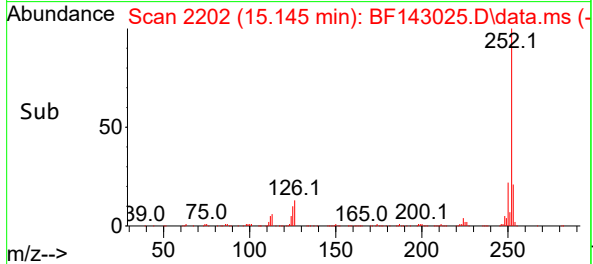
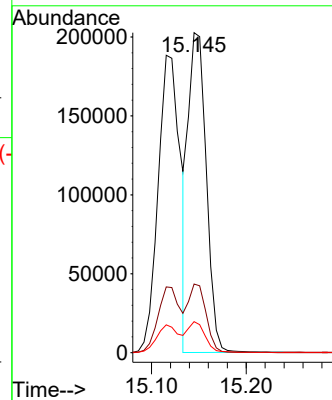
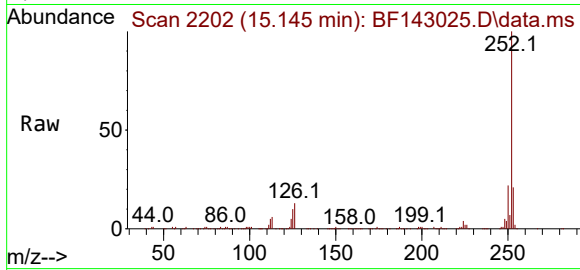
Tgt Ion:252 Resp: 268010

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

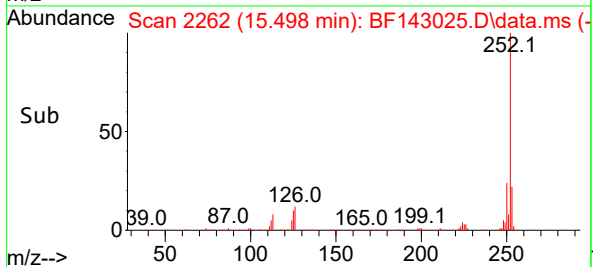
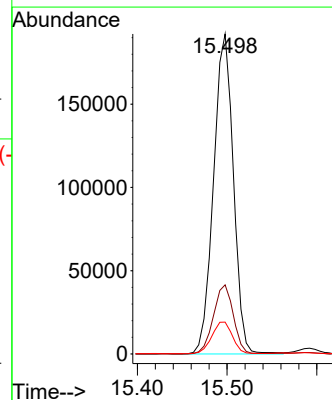
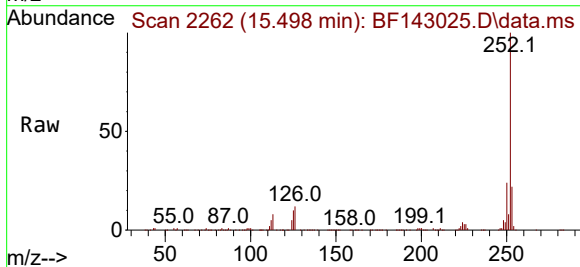
Tgt Ion:252 Resp: 295042

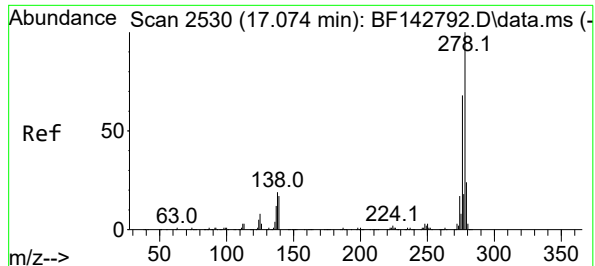
Ion Ratio Lower Upper

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

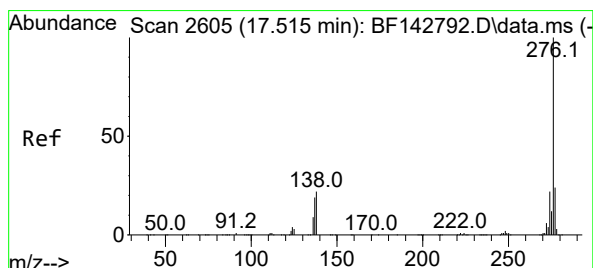
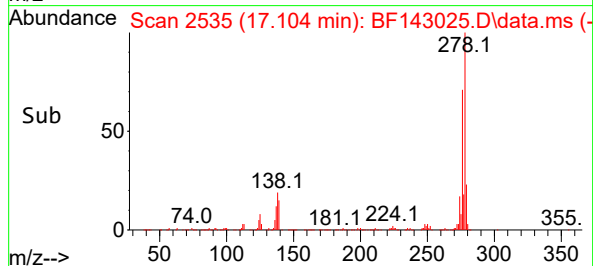
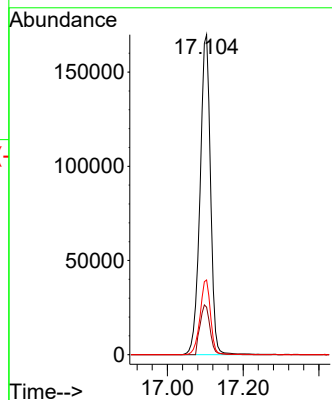
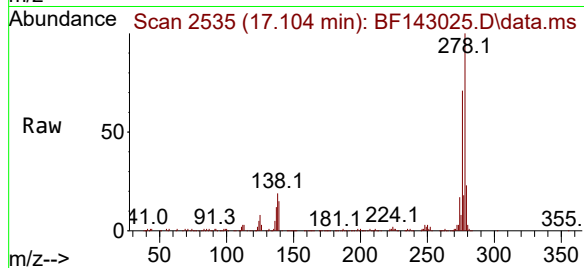
Tgt Ion:278 Resp: 326448

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

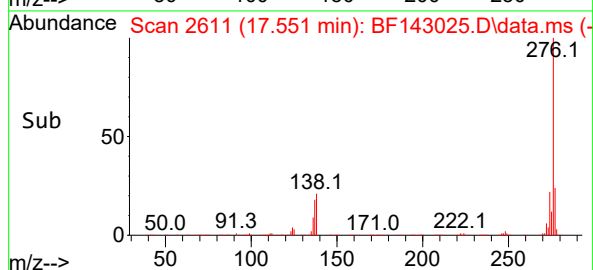
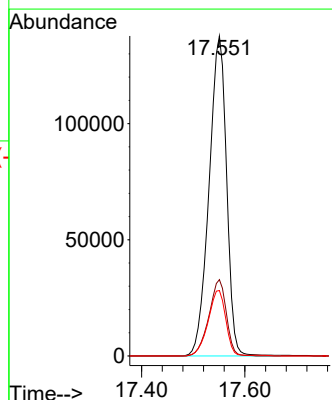
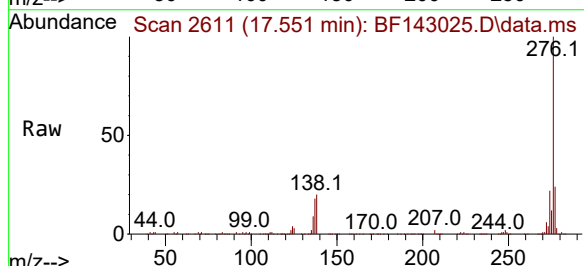
Tgt Ion:276 Resp: 324337

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	Benzidine	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

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Sample : SSTDCCC040
Misc :
ALS Vial : 2 Sample Multiplier: 1

Instrument :
BNA_F
LabSampleId :
SSTDCCC040

Quant Time: Jul 08 12:00:55 2025
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Tue Jun 24 05:28:21 2025
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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)

(#) = Out of Range

SPCC's out = 0 CCC's out = 1



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

7C

SEMIVOLATILE CONTINUING CALIBRATION CHECK

Lab Name:	<u>Alliance</u>	Contract:	<u>CAMP02</u>
Lab Code:	<u>ACE</u>	SDG No.:	<u>Q2514</u>
Instrument ID:	<u>BNA_F</u>	Calibration Date/Time:	<u>07/09/2025 10:52</u>
Lab File ID:	<u>BF143048.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	1.190		-0.9	
Benzaldehyde	0.841	0.917		9.0	
Phenol-d6	1.417	1.399		-1.3	
Phenol	1.575	1.548		-1.7	20.0
bis(2-Chloroethyl)ether	1.126	1.113		-1.2	
2-Chlorophenol	1.296	1.293		-0.2	
2-Methylphenol	0.982	0.968		-1.4	
2,2-oxybis(1-Chloropropane)	1.809	1.636		-9.6	
Acetophenone	0.441	0.435		-1.4	
3+4-Methylphenols	1.224	1.238		1.1	
n-Nitroso-di-n-propylamine	0.824	0.819	0.050	-0.6	
Nitrobenzene-d5	0.365	0.383		4.9	
Hexachloroethane	0.511	0.503		-1.6	
Nitrobenzene	0.330	0.321		-2.7	
Isophorone	0.585	0.566		-3.2	
2-Nitrophenol	0.180	0.180		0.0	20.0
2,4-Dimethylphenol	0.311	0.298		-4.2	
bis(2-Chloroethoxy)methane	0.372	0.364		-2.2	
2,4-Dichlorophenol	0.282	0.277		-1.8	20.0
Naphthalene	0.979	0.942		-3.8	
4-Chloroaniline	0.398	0.385		-3.3	
Hexachlorobutadiene	0.190	0.187		-1.6	20.0
Caprolactam	0.075	0.073		-2.7	
4-Chloro-3-methylphenol	0.281	0.274		-2.5	20.0
2-Methylnaphthalene	0.607	0.598		-1.5	
Hexachlorocyclopentadiene	0.335	0.341	0.050	1.8	
2,4,6-Trichlorophenol	0.385	0.356		-7.5	20.0
2-Fluorobiphenyl	1.522	1.555		2.2	
2,4,5-Trichlorophenol	0.405	0.379		-6.4	
1,1-Biphenyl	1.580	1.532		-3.0	
2-Chloronaphthalene	1.186	1.134		-4.4	
2-Nitroaniline	0.332	0.317		-4.5	
Dimethylphthalate	1.295	1.268		-2.1	
Acenaphthylene	1.952	1.863		-4.6	
2,6-Dinitrotoluene	0.284	0.281		-1.1	
3-Nitroaniline	0.313	0.292		-6.7	
Acenaphthene	1.191	1.172		-1.6	20.0
2,4-Dinitrophenol	0.142	0.173	0.050	21.8	
4-Nitrophenol	0.214	0.250	0.050	16.8	



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.: Q2514
 Instrument ID: BNA_F Calibration Date/Time: 07/09/2025 10:52
 Lab File ID: BF143048.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	1.630		-4.6	
2,4-Dinitrotoluene	0.378	0.375		-0.8	
Diethylphthalate	1.269	1.231		-3.0	
4-Chlorophenyl-phenylether	0.636	0.620		-2.5	
Fluorene	1.334	1.292		-3.1	
4-Nitroaniline	0.286	0.271		-5.2	
4,6-Dinitro-2-methylphenol	0.121	0.118		-2.5	
n-Nitrosodiphenylamine	0.693	0.678		-2.2	20.0
2,4,6-Tribromophenol	0.206	0.202		-1.9	
4-Bromophenyl-phenylether	0.228	0.229		0.4	
Hexachlorobenzene	0.253	0.249		-1.6	
Atrazine	0.179	0.180		0.6	
Pentachlorophenol	0.126	0.181		43.7	20.0
Phenanthrene	1.083	1.038		-4.2	
Anthracene	1.111	1.064		-4.2	
Carbazole	0.959	0.897		-6.5	
Di-n-butylphthalate	0.999	0.985		-1.4	
Fluoranthene	1.028	0.934		-9.1	20.0
Pyrene	1.875	2.057		9.7	
Terphenyl-d14	1.447	1.481		2.3	
Butylbenzylphthalate	0.544	0.572		5.1	
3,3-Dichlorobenzidine	0.438	0.472		7.8	
Benzo (a) anthracene	1.349	1.327		-1.6	
Chrysene	1.204	1.179		-2.1	
Bis(2-ethylhexyl)phthalate	0.782	0.881		12.7	
Di-n-octyl phthalate	1.475	1.717		16.4	20.0
Benzo (b) fluoranthene	1.157	1.101		-4.8	
Benzo (k) fluoranthene	1.083	1.058		-2.3	
Benzo (a) pyrene	1.118	1.086		-2.9	20.0
Indeno (1,2,3-cd) pyrene	1.523	1.452		-4.7	
Dibenzo (a,h) anthracene	1.238	1.181		-4.6	
Benzo (g,h,i) perylene	1.234	1.161		-5.9	
1,2,4,5-Tetrachlorobenzene	0.590	0.572		-3.1	
1,4-Dioxane	0.480	0.441		-8.1	20.0
2,3,4,6-Tetrachlorophenol	0.326	0.318		-2.5	

All other compounds must meet a minimum RRF of 0.010.

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF070925\
 Data File : BF143048.D
 Acq On : 09 Jul 2025 10:52
 Operator : RC/JU
 Sample : SSTDCCC040
 Misc :
 ALS Vial : 2 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 SSTDCCC040

Quant Time: Jul 09 11:29:32 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	66592	20.000	ng	0.00
21) Naphthalene-d8	8.157	136	257344	20.000	ng	-0.01
39) Acenaphthene-d10	9.916	164	135062	20.000	ng	0.00
64) Phenanthrene-d10	11.410	188	218580	20.000	ng	0.00
76) Chrysene-d12	14.057	240	110392	20.000	ng	0.00
86) Perylene-d12	15.545	264	146270	20.000	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.493	112	317051	79.269	ng	0.00
7) Phenol-d6	6.510	99	372531	78.945	ng	0.00
23) Nitrobenzene-d5	7.439	82	394718	84.131	ng	0.00
42) 2,4,6-Tribromophenol	10.710	330	109001	78.425	ng	0.00
45) 2-Fluorobiphenyl	9.233	172	839846	81.687	ng	-0.01
79) Terphenyl-d14	12.992	244	653929	81.848	ng	0.00
Target Compounds						Qvalue
2) 1,4-Dioxane	2.616	88	58700	36.693	ng	98
3) Pyridine	3.393	79	150140	37.436	ng	97
4) n-Nitrosodimethylamine	3.346	42	75767	36.533	ng	95
6) Aniline	6.540	93	243791	38.827	ng	95
8) 2-Chlorophenol	6.663	128	172216	39.915	ng	97
9) Benzaldehyde	6.428	77	122163	43.636	ng	100
10) Phenol	6.522	94	206185	39.308	ng	89
11) bis(2-Chloroethyl)ether	6.610	93	148192	39.529	ng	96
12) 1,3-Dichlorobenzene	6.816	146	189971	39.370	ng	100
13) 1,4-Dichlorobenzene	6.892	146	192448	39.530	ng	99
14) 1,2-Dichlorobenzene	7.045	146	182051	39.426	ng	99
15) Benzyl Alcohol	7.016	79	137398	40.276	ng	98
16) 2,2'-oxybis(1-Chloropr...	7.145	45	217844	36.167	ng	79
17) 2-Methylphenol	7.134	107	128959	39.442	ng	96
18) Hexachloroethane	7.387	117	67058	39.381	ng	93
19) n-Nitroso-di-n-propyla...	7.292	70	109039	39.730	ng	95
20) 3+4-Methylphenols	7.287	107	164907	40.452	ng	95
22) Acetophenone	7.287	105	223904	39.455	ng	100
24) Nitrobenzene	7.463	77	165163	38.894	ng	98
25) Isophorone	7.698	82	291150	38.685	ng	99
26) 2-Nitrophenol	7.775	139	92518	39.996	ng	100
27) 2,4-Dimethylphenol	7.816	122	153557m	38.323	ng	
28) bis(2-Chloroethoxy)met...	7.904	93	187275	39.139	ng	99
29) 2,4-Dichlorophenol	8.022	162	142368	39.186	ng	100
30) 1,2,4-Trichlorobenzene	8.098	180	155501	38.924	ng	99
31) Naphthalene	8.181	128	485090	38.510	ng	99
32) Benzoic acid	7.939	122	70188	34.368	ng	97
33) 4-Chloroaniline	8.234	127	198369	38.729	ng	98
34) Hexachlorobutadiene	8.292	225	96425	39.459	ng	99
35) Caprolactam	8.610	113	37672	39.295	ng	96
36) 4-Chloro-3-methylphenol	8.716	107	141216	39.110	ng	99
37) 2-Methylnaphthalene	8.869	142	307684	39.399	ng	99
38) 1-Methylnaphthalene	8.969	142	313072	38.726	ng	100
40) 1,2,4,5-Tetrachloroben...	9.039	216	154627	38.800	ng	99
41) Hexachlorocyclopentadiene	9.022	237	92207	40.772	ng	99
43) 2,4,6-Trichlorophenol	9.157	196	96292	37.080	ng	99

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 Sample : SSTDCCC040
 Misc :
 ALS Vial : 2 Sample Multiplier: 1

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 ClientSampleId :
 SSTDCCC040

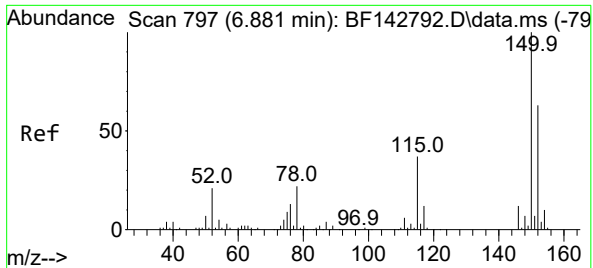
Quant Time: Jul 09 11:29:32 2025
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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
44) 2,4,5-Trichlorophenol	9.198	196	102349	37.440	ng	100
46) 1,1'-Biphenyl	9.339	154	413921	38.796	ng	99
47) 2-Chloronaphthalene	9.363	162	306289	38.255	ng	99
48) 2-Nitroaniline	9.463	65	85518	38.099	ng	94
49) Acenaphthylene	9.781	152	503177	38.176	ng	100
50) Dimethylphthalate	9.639	163	342506	39.177	ng	100
51) 2,6-Dinitrotoluene	9.704	165	75838	39.500	ng	97
52) Acenaphthene	9.951	154	316605m	39.371	ng	
53) 3-Nitroaniline	9.875	138	78937	37.342	ng	100
54) 2,4-Dinitrophenol	9.986	184	46706	48.583	ng	99
55) Dibenzofuran	10.122	168	440391	38.190	ng	100
56) 4-Nitrophenol	10.045	139	67517	46.654	ng	99
57) 2,4-Dinitrotoluene	10.110	165	101213	39.687	ng	95
58) Fluorene	10.469	166	348917	38.743	ng	100
59) 2,3,4,6-Tetrachlorophenol	10.245	232	86032	39.043	ng	92
60) Diethylphthalate	10.333	149	332556	38.796	ng	100
61) 4-Chlorophenyl-phenyle...	10.457	204	167583	38.996	ng	98
62) 4-Nitroaniline	10.492	138	73117	37.820	ng	97
63) Azobenzene	10.616	77	291002	37.983	ng	98
65) 4,6-Dinitro-2-methylph...	10.522	198	51710	39.111	ng	97
66) n-Nitrosodiphenylamine	10.575	169	296265	39.109	ng	99
67) 4-Bromophenyl-phenylether	10.945	248	100240	40.295	ng	97
68) Hexachlorobenzene	11.016	284	109033	39.445	ng	99
69) Atrazine	11.104	200	78779	40.271	ng	98
70) Pentachlorophenol	11.216	266	79272	57.552	ng	99
71) Phenanthrene	11.433	178	453843	38.330	ng	100
72) Anthracene	11.486	178	465305	38.317	ng	99
73) Carbazole	11.639	167	392132	37.420	ng	100
74) Di-n-butylphthalate	11.963	149	430569	39.441	ng	99
75) Fluoranthene	12.621	202	408276	36.332	ng	100
77) Benzidine	12.745	184	204601	49.331	ng	99
78) Pyrene	12.851	202	454236	43.898	ng	99
80) Butylbenzylphthalate	13.463	149	126277	42.071	ng	97
81) Benzo(a)anthracene	14.045	228	292876	39.327	ng	99
82) 3,3'-Dichlorobenzidine	14.004	252	104231	43.151	ng	99
83) Chrysene	14.080	228	260242	39.162	ng	99
84) Bis(2-ethylhexyl)phtha...	14.021	149	194503	45.039	ng	99
85) Di-n-octyl phthalate	14.633	149	379015	46.544	ng	97
87) Indeno(1,2,3-cd)pyrene	17.074	276	424870	38.135	ng	99
88) Benzo(b)fluoranthene	15.110	252	321973	38.041	ng	100
89) Benzo(k)fluoranthene	15.139	252	309552	39.092	ng	99
90) Benzo(a)pyrene	15.486	252	317799	38.867	ng	99
91) Dibenzo(a,h)anthracene	17.086	278	345409	38.156	ng	98
92) Benzo(g,h,i)perylene	17.533	276	339644	37.626	ng	97

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

Instrument :
BNA_F
ClientSampleId :
SSTDCCC040

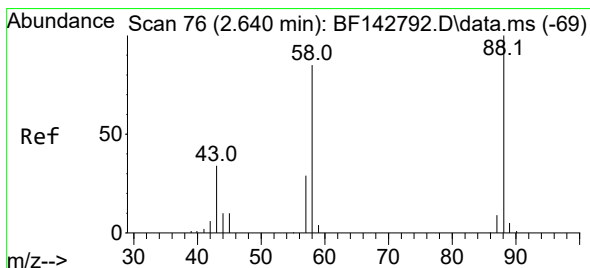
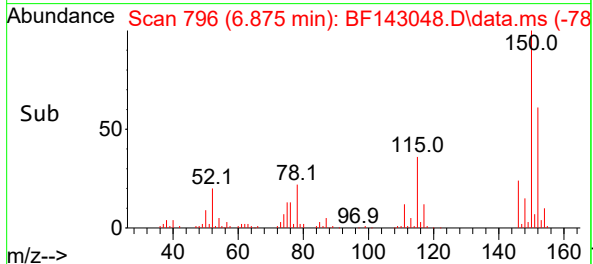
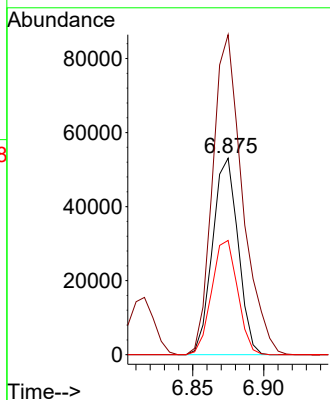
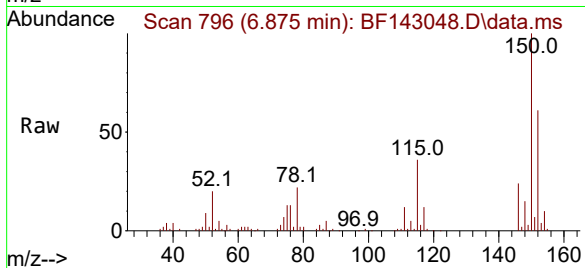
[illegible]



#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.875 min Scan# 79
Delta R.T. -0.006 min
Lab File: BF143048.D
Acq: 09 Jul 2025 10:52

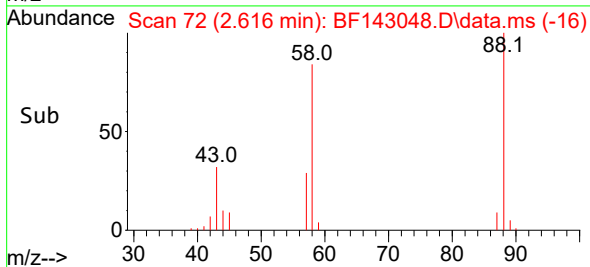
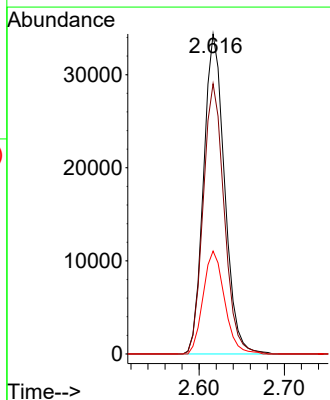
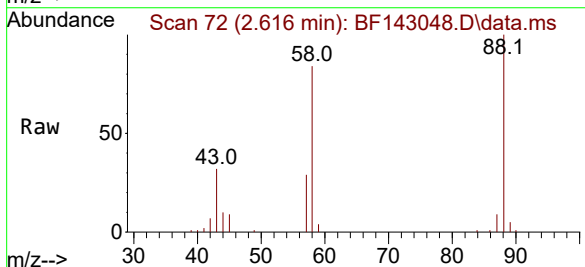
Instrument :
BNA_F
ClientSampleId :
SSTDCCC040

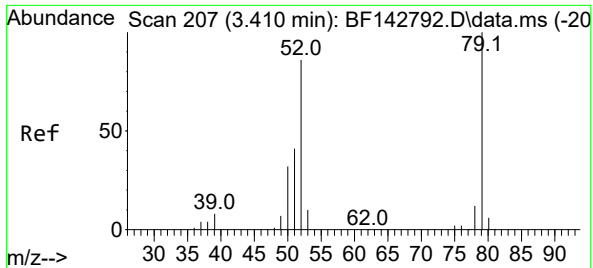
Tgt Ion:152 Resp: 66592
Ion Ratio Lower Upper
152 100
150 162.8 127.2 190.8
115 58.1 46.6 69.8



#2
1,4-Dioxane
Concen: 36.693 ng
RT: 2.616 min Scan# 72
Delta R.T. -0.023 min
Lab File: BF143048.D
Acq: 09 Jul 2025 10:52

Tgt Ion: 88 Resp: 58700
Ion Ratio Lower Upper
88 100
58 84.6 69.1 103.7
43 32.8 27.4 41.2





#3

Pyridine

Concen: 37.436 ng

RT: 3.393 min Scan# 207

Delta R.T. -0.018 min

Lab File: BF143048.D

Acq: 09 Jul 2025 10:52

Instrument :

BNA_F

ClientSampleId :

SSTDCCC040

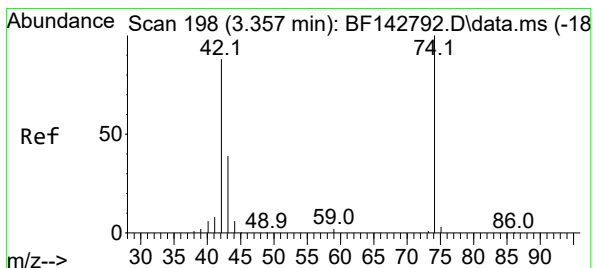
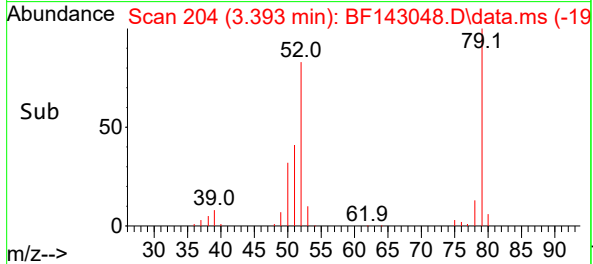
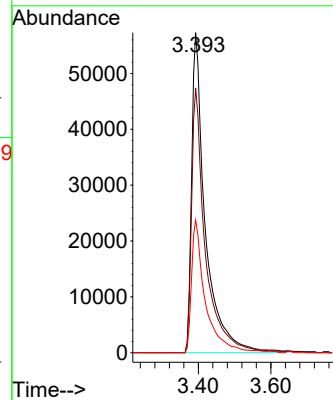
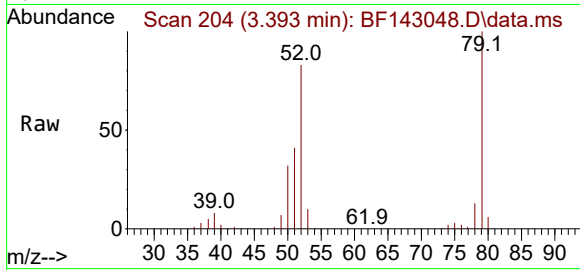
Tgt Ion: 79 Resp: 150140

Ion Ratio Lower Upper

79 100

52 82.6 69.2 103.8

51 41.4 33.2 49.8



#4

n-Nitrosodimethylamine

Concen: 36.533 ng

RT: 3.346 min Scan# 196

Delta R.T. -0.012 min

Lab File: BF143048.D

Acq: 09 Jul 2025 10:52

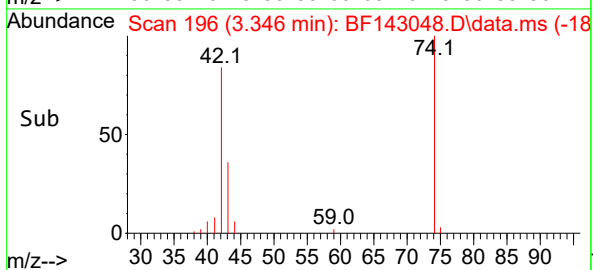
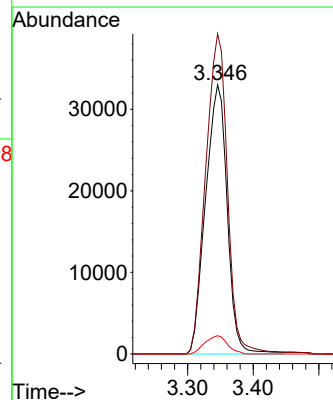
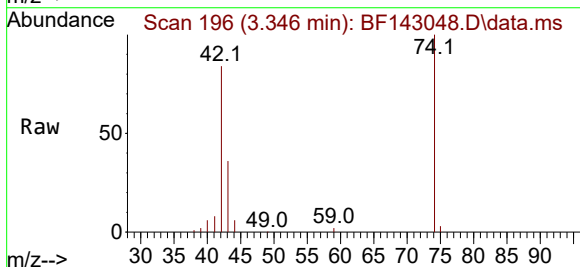
Tgt Ion: 42 Resp: 75767

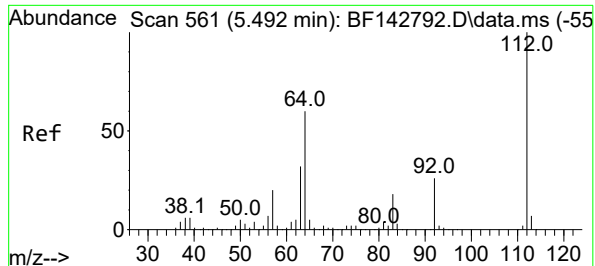
Ion Ratio Lower Upper

42 100

74 118.9 90.9 136.3

44 6.8 5.8 8.6

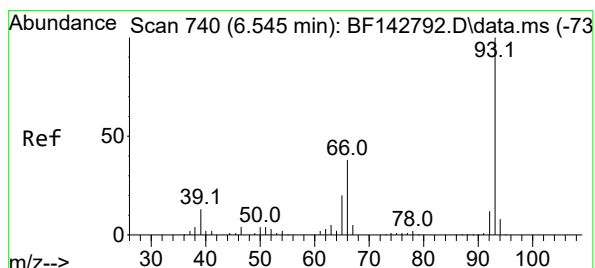
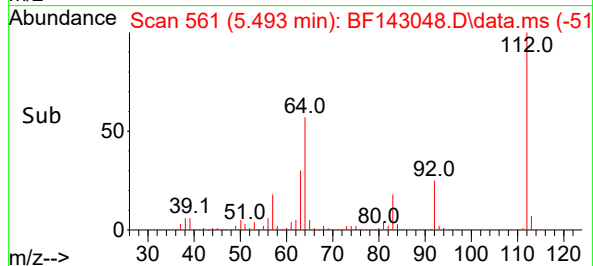
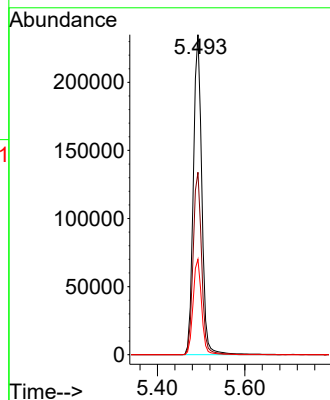
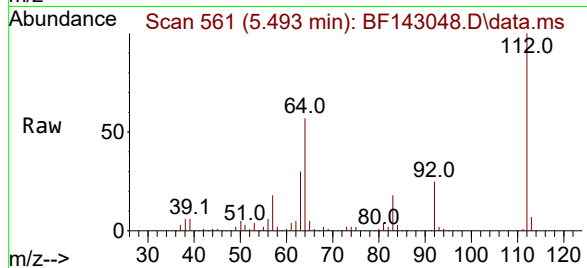




#5
2-Fluorophenol
Concen: 79.269 ng
RT: 5.493 min Scan# 501
Delta R.T. 0.001 min
Lab File: BF143048.D
Acq: 09 Jul 2025 10:52

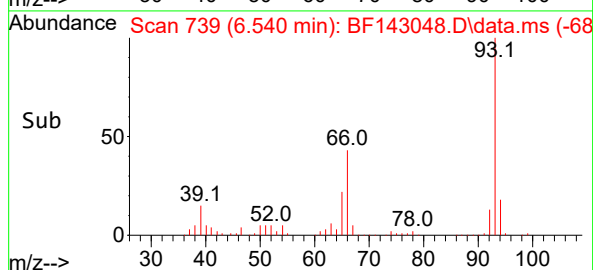
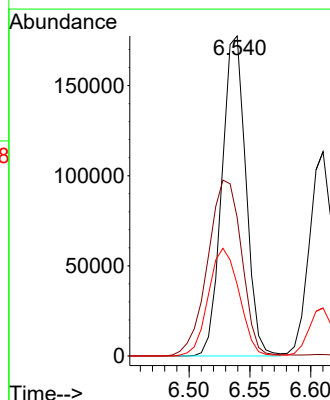
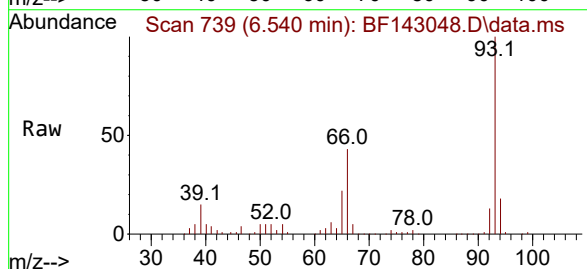
Instrument :
BNA_F
ClientSampleId :
SSTDCCC040

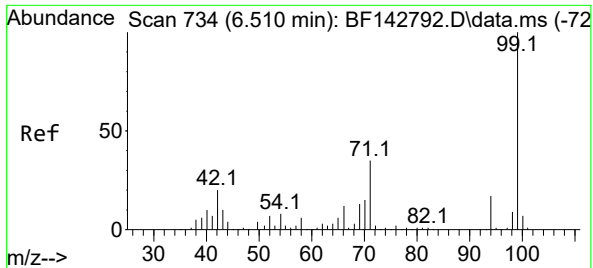
Tgt Ion:112 Resp: 317051
Ion Ratio Lower Upper
112 100
64 57.0 48.2 72.2
63 29.8 25.7 38.5



#6
Aniline
Concen: 38.827 ng
RT: 6.540 min Scan# 739
Delta R.T. -0.006 min
Lab File: BF143048.D
Acq: 09 Jul 2025 10:52

Tgt Ion: 93 Resp: 243791
Ion Ratio Lower Upper
93 100
66 43.2 31.8 47.6
65 22.3 16.2 24.2

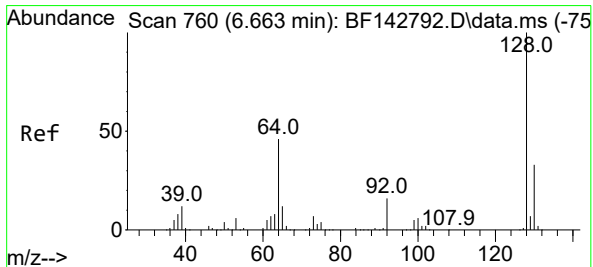
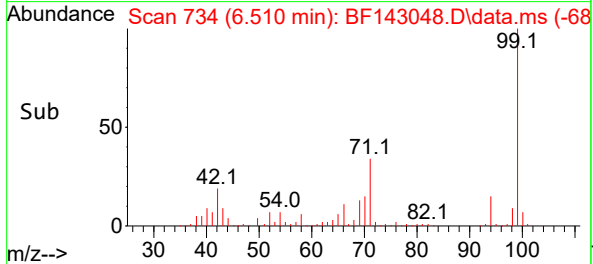
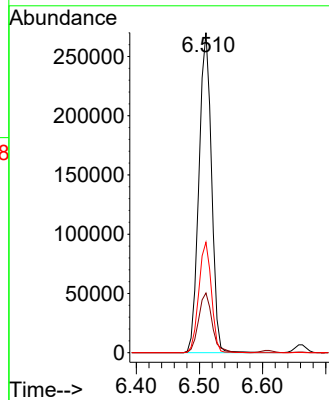
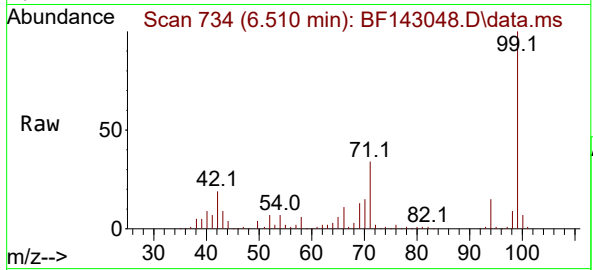




#7
Phenol-d6
Concen: 78.945 ng
RT: 6.510 min Scan# 710
Delta R.T. 0.000 min
Lab File: BF143048.D
Acq: 09 Jul 2025 10:52

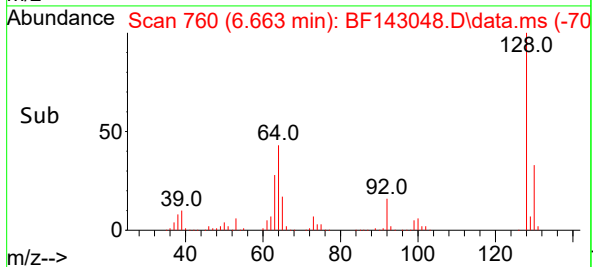
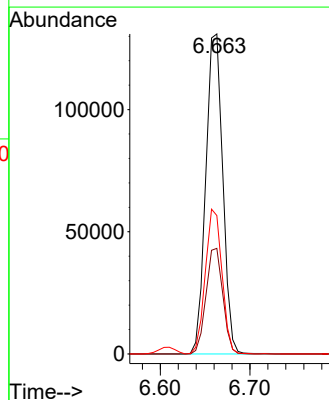
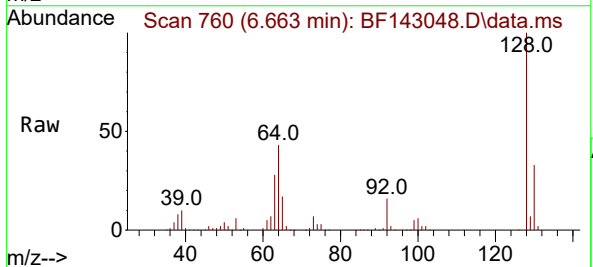
Instrument :
BNA_F
ClientSampleId :
SSTDCCC040

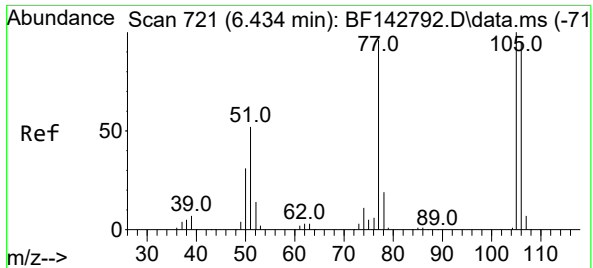
Tgt Ion: 99 Resp: 372531
Ion Ratio Lower Upper
99 100
42 18.7 15.9 23.9
71 34.5 27.8 41.8



#8
2-Chlorophenol
Concen: 39.915 ng
RT: 6.663 min Scan# 760
Delta R.T. 0.000 min
Lab File: BF143048.D
Acq: 09 Jul 2025 10:52

Tgt Ion: 128 Resp: 172216
Ion Ratio Lower Upper
128 100
130 33.0 12.7 52.7
64 43.3 26.5 66.5

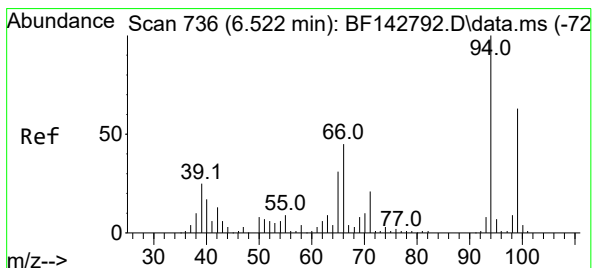
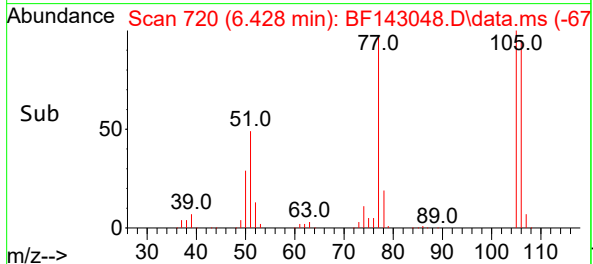
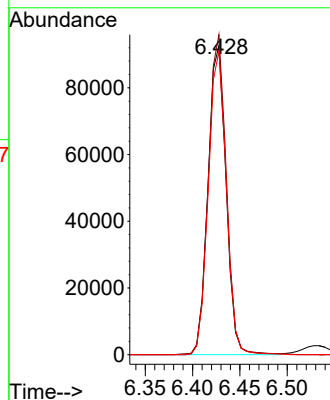
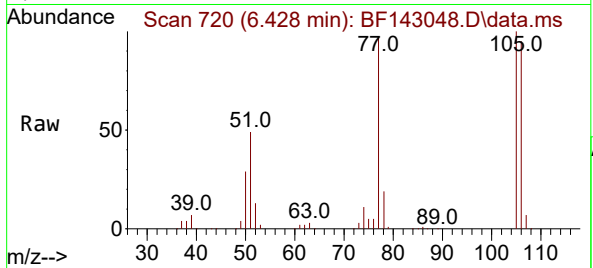




#9
Benzaldehyde
Concen: 43.636 ng
RT: 6.428 min Scan# 721
Delta R.T. -0.006 min
Lab File: BF143048.D
Acq: 09 Jul 2025 10:52

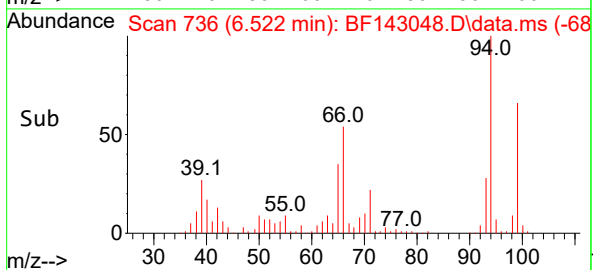
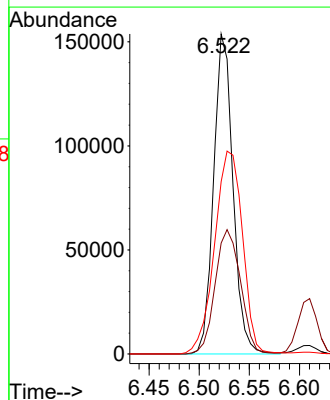
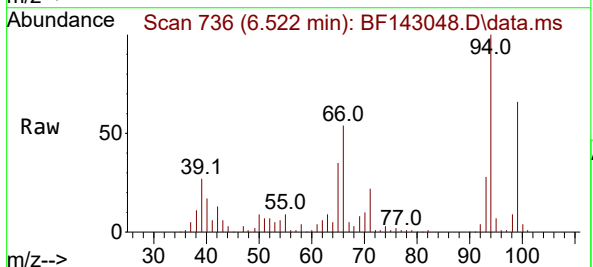
Instrument :
BNA_F
ClientSampleId :
SSTDCCC040

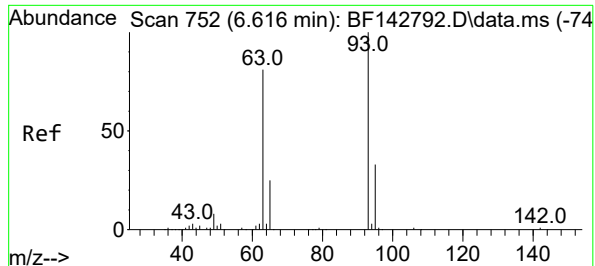
Tgt Ion: 77 Resp: 122163
Ion Ratio Lower Upper
77 100
105 103.6 83.8 123.8
106 98.2 78.7 118.7



#10
Phenol
Concen: 39.308 ng
RT: 6.522 min Scan# 736
Delta R.T. 0.000 min
Lab File: BF143048.D
Acq: 09 Jul 2025 10:52

Tgt Ion: 94 Resp: 206185
Ion Ratio Lower Upper
94 100
65 34.6 11.3 51.3
66 53.8 24.9 64.9

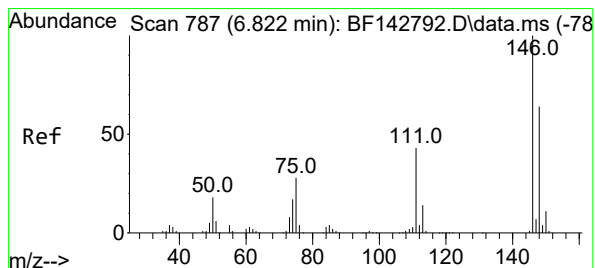
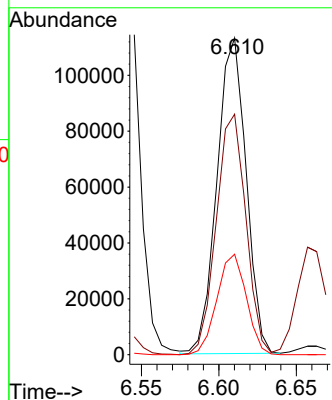
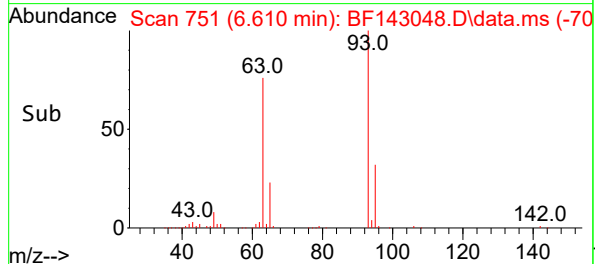
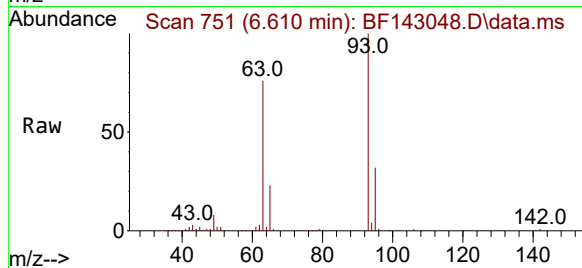




#11
bis(2-Chloroethyl)ether
Concen: 39.529 ng
RT: 6.610 min Scan# 751
Delta R.T. -0.006 min
Lab File: BF143048.D
Acq: 09 Jul 2025 10:52

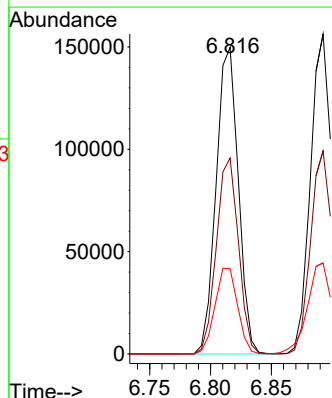
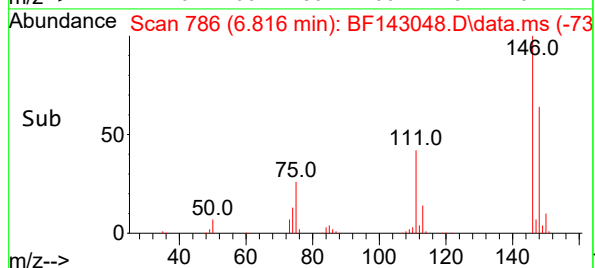
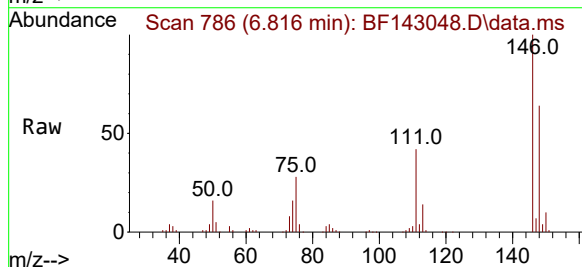
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BNA_F
ClientSampleId :
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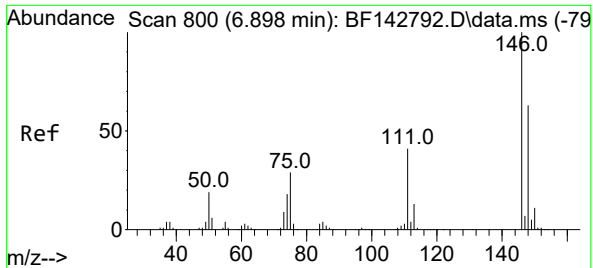
Tgt Ion: 93 Resp: 148192
Ion Ratio Lower Upper
93 100
63 75.9 60.3 100.3
95 31.7 12.5 52.5



#12
1,3-Dichlorobenzene
Concen: 39.370 ng
RT: 6.816 min Scan# 786
Delta R.T. -0.006 min
Lab File: BF143048.D
Acq: 09 Jul 2025 10:52

Tgt Ion:146 Resp: 189971
Ion Ratio Lower Upper
146 100
148 63.9 51.1 76.7
75 27.8 22.7 34.1





#13

1,4-Dichlorobenzene

Concen: 39.530 ng

RT: 6.892 min Scan# 79

Delta R.T. -0.006 min

Lab File: BF143048.D

Acq: 09 Jul 2025 10:52

Instrument :

BNA_F

ClientSampleId :

SSTDCCC040

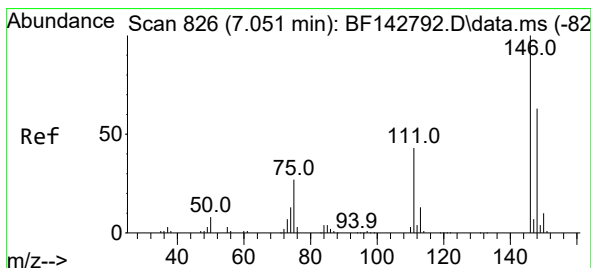
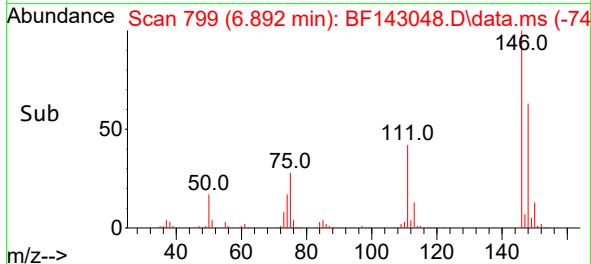
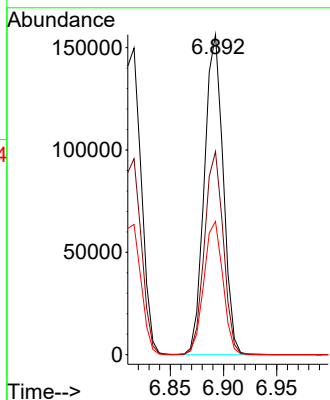
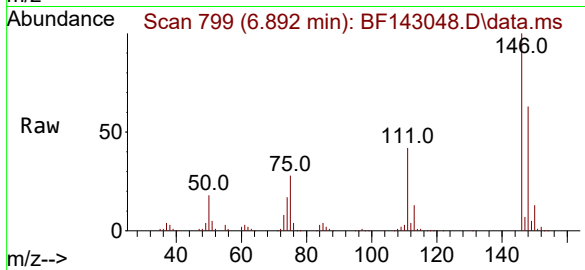
Tgt Ion:146 Resp: 192448

Ion Ratio Lower Upper

146 100

148 63.5 50.2 75.2

111 41.6 33.2 49.8



#14

1,2-Dichlorobenzene

Concen: 39.426 ng

RT: 7.045 min Scan# 825

Delta R.T. -0.006 min

Lab File: BF143048.D

Acq: 09 Jul 2025 10:52

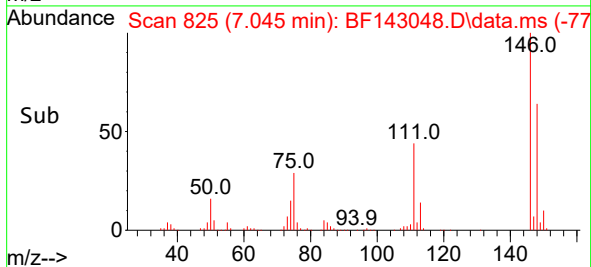
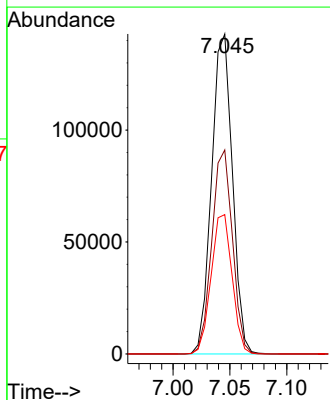
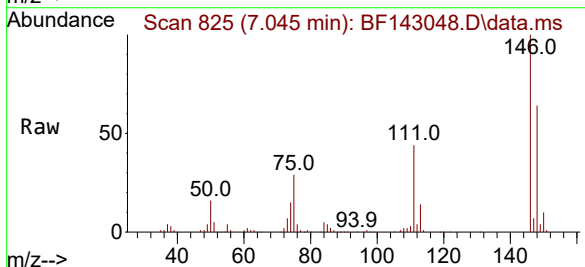
Tgt Ion:146 Resp: 182051

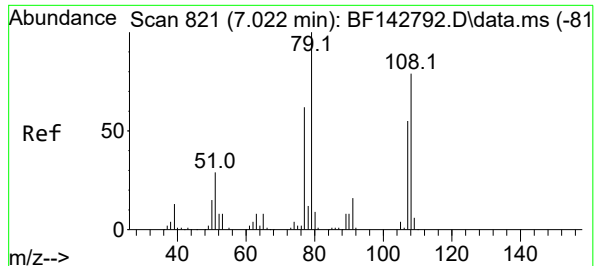
Ion Ratio Lower Upper

146 100

148 63.8 50.4 75.6

111 43.6 34.1 51.1





#15

Benzyl Alcohol

Concen: 40.276 ng

RT: 7.016 min Scan# 81

Delta R.T. -0.006 min

Lab File: BF143048.D

Acq: 09 Jul 2025 10:52

Instrument :

BNA_F

ClientSampleId :

SSTDCCC040

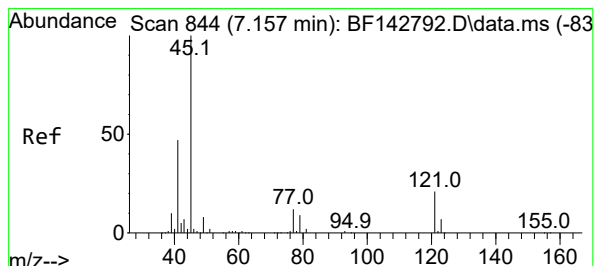
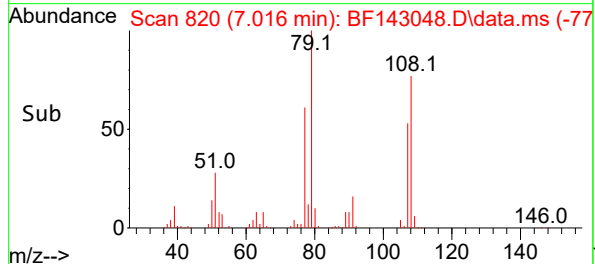
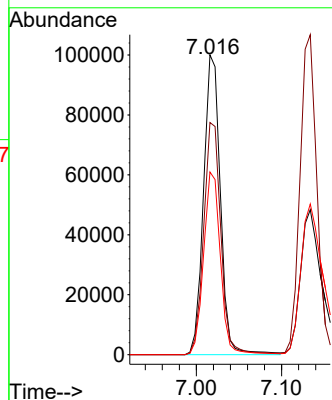
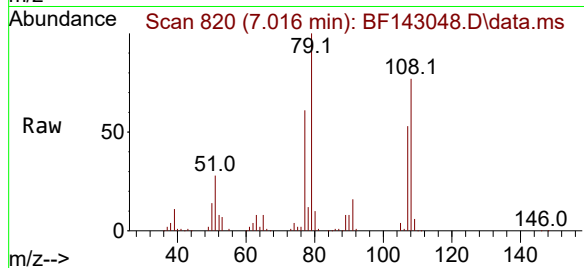
Tgt Ion: 79 Resp: 137398

Ion Ratio Lower Upper

79 100

108 77.4 63.4 95.0

77 60.9 49.5 74.3



#16

2,2'-oxybis(1-Chloropropane)

Concen: 36.167 ng

RT: 7.145 min Scan# 842

Delta R.T. -0.012 min

Lab File: BF143048.D

Acq: 09 Jul 2025 10:52

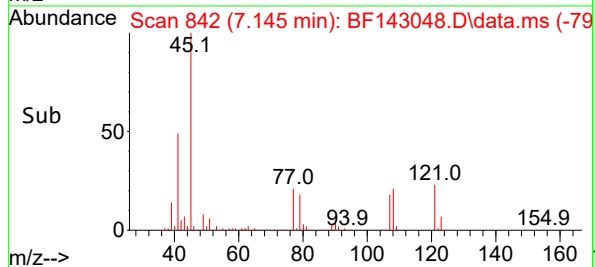
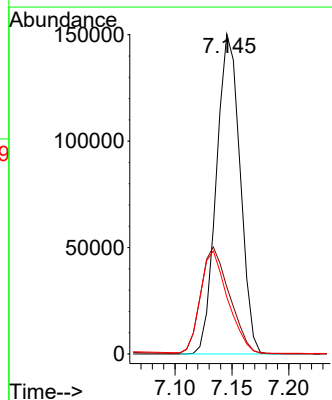
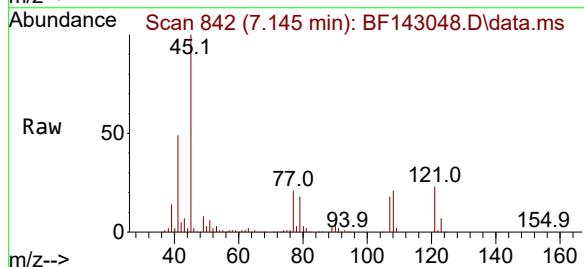
Tgt Ion: 45 Resp: 217844

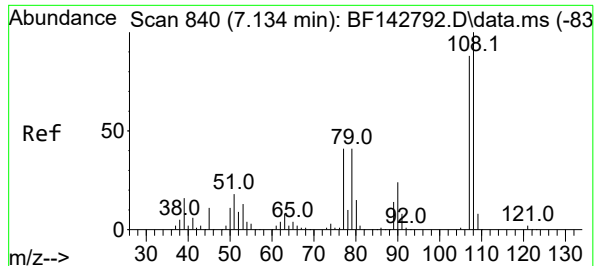
Ion Ratio Lower Upper

45 100

77 21.0 0.0 32.8

79 17.8 0.0 29.8

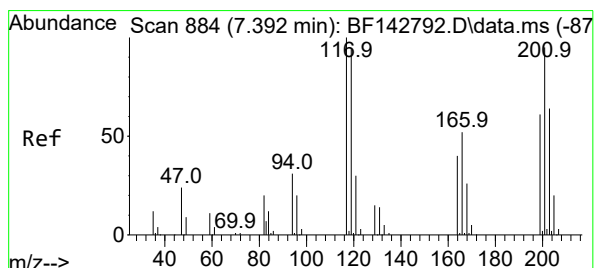
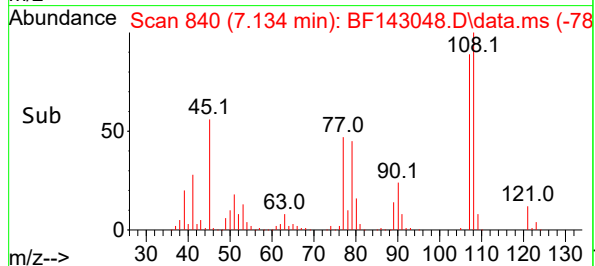
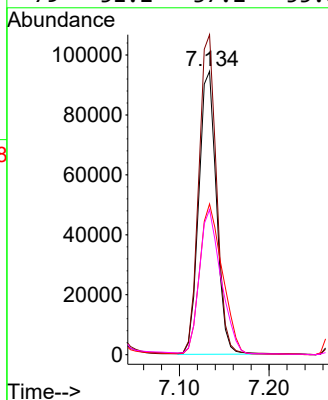
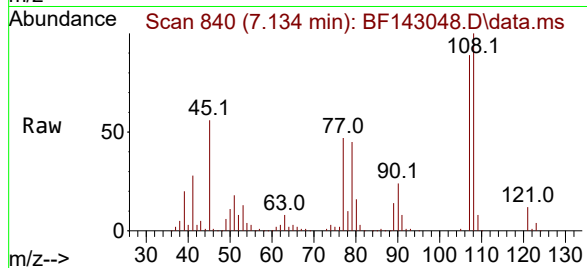




#17
2-Methylphenol
Concen: 39.442 ng
RT: 7.134 min Scan# 840
Delta R.T. 0.000 min
Lab File: BF143048.D
Acq: 09 Jul 2025 10:52

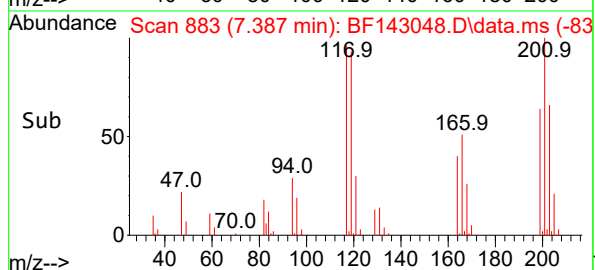
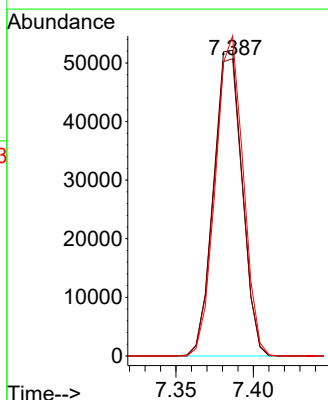
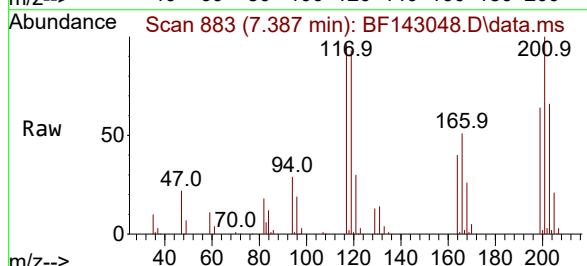
Instrument :
BNA_F
ClientSampleId :
SSTDCCC040

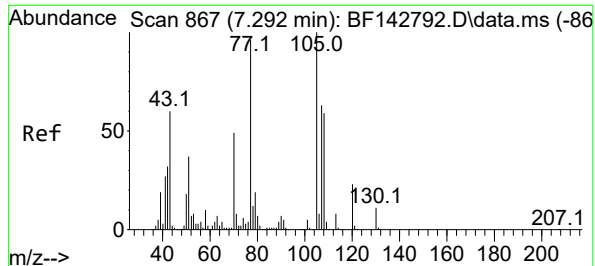
Tgt Ion:107 Resp: 128959
Ion Ratio Lower Upper
107 100
108 112.9 90.9 136.3
77 53.2 37.3 55.9
79 51.2 37.2 55.8



#18
Hexachloroethane
Concen: 39.381 ng
RT: 7.387 min Scan# 883
Delta R.T. -0.006 min
Lab File: BF143048.D
Acq: 09 Jul 2025 10:52

Tgt Ion:117 Resp: 67058
Ion Ratio Lower Upper
117 100
119 97.2 75.4 113.0
201 104.6 75.9 113.9





#19

n-Nitroso-di-n-propylamine

Concen: 39.730 ng

RT: 7.292 min Scan# 867

Delta R.T. 0.000 min

Lab File: BF143048.D

Acq: 09 Jul 2025 10:52

Instrument :

BNA_F

ClientSampleId :

SSTDCCC040

Tgt Ion: 70 Resp: 109039

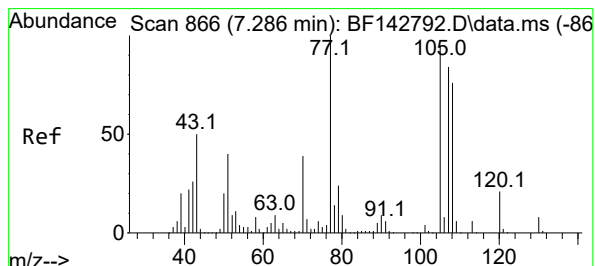
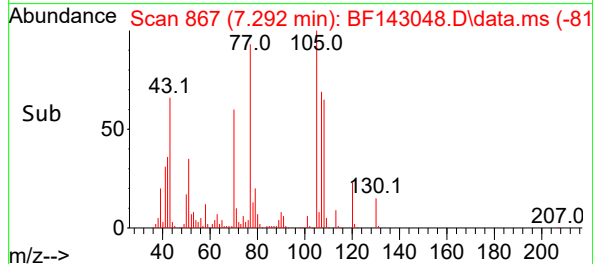
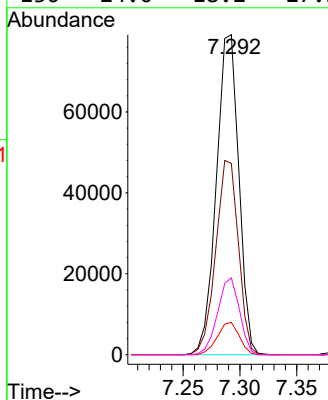
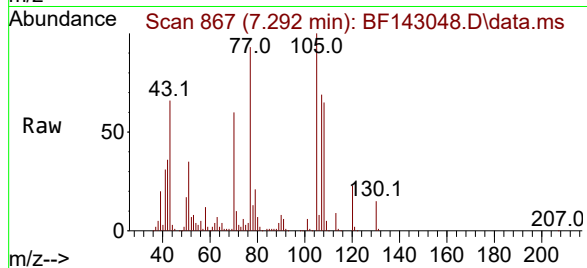
Ion Ratio Lower Upper

70 100

42 59.8 52.1 78.1

101 10.1 8.2 12.2

130 24.0 18.2 27.2



#20

3+4-Methylphenols

Concen: 40.452 ng

RT: 7.287 min Scan# 866

Delta R.T. 0.000 min

Lab File: BF143048.D

Acq: 09 Jul 2025 10:52

Tgt Ion: 107 Resp: 164907

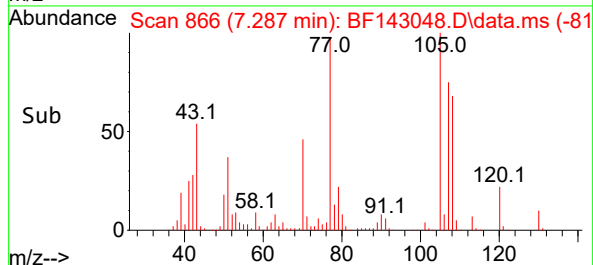
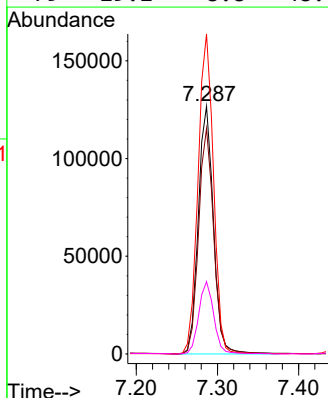
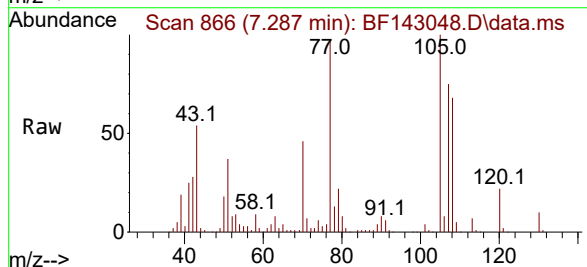
Ion Ratio Lower Upper

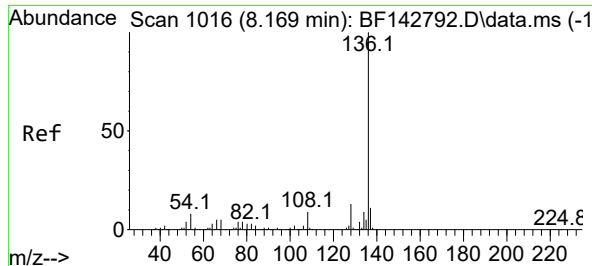
107 100

108 91.0 70.0 110.0

77 129.2 98.5 138.5

79 29.2 8.8 48.8





#21

Naphthalene-d8

Concen: 20.000 ng

RT: 8.157 min Scan# 1014

Delta R.T. -0.012 min

Lab File: BF143048.D

Acq: 09 Jul 2025 10:52

Instrument :

BNA_F

ClientSampleId :

SSTDCCC040

Tgt Ion:136 Resp: 257344

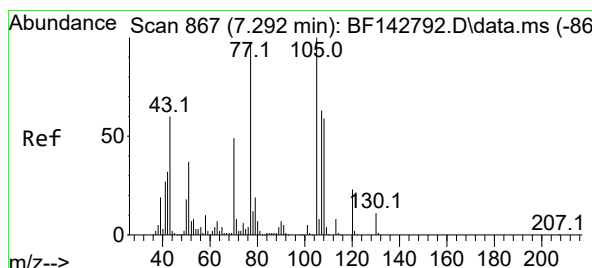
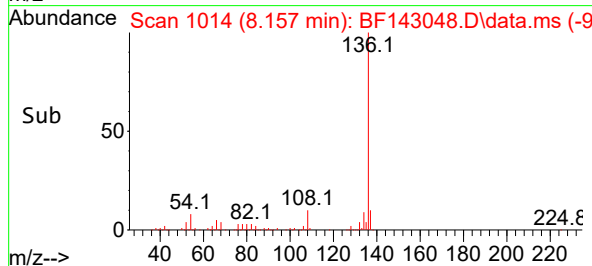
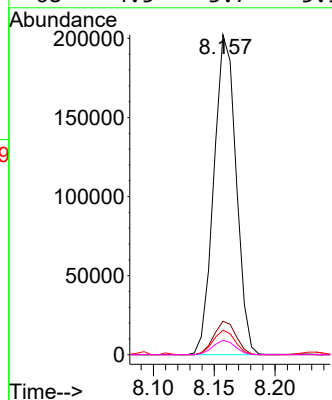
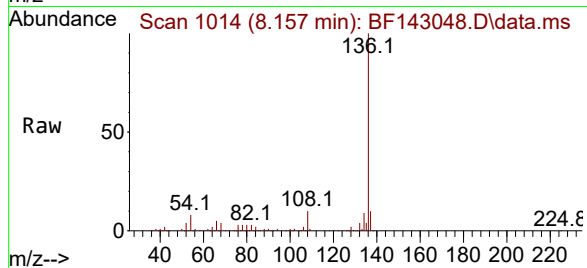
Ion Ratio Lower Upper

136 100

137 10.5 8.4 12.6

54 7.6 6.3 9.5

68 4.5 3.7 5.5



#22

Acetophenone

Concen: 39.455 ng

RT: 7.287 min Scan# 866

Delta R.T. -0.006 min

Lab File: BF143048.D

Acq: 09 Jul 2025 10:52

Tgt Ion:105 Resp: 223904

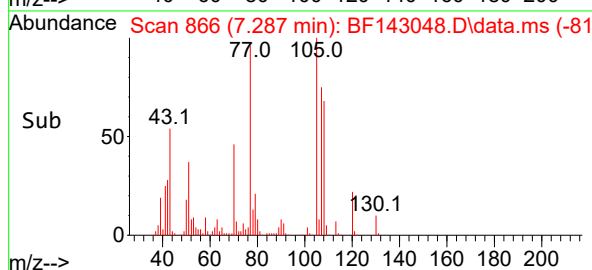
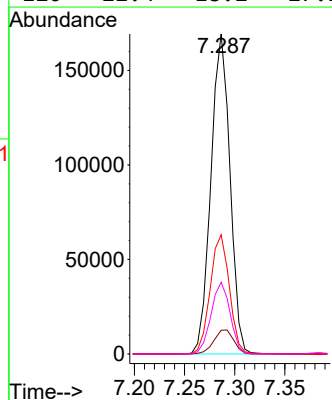
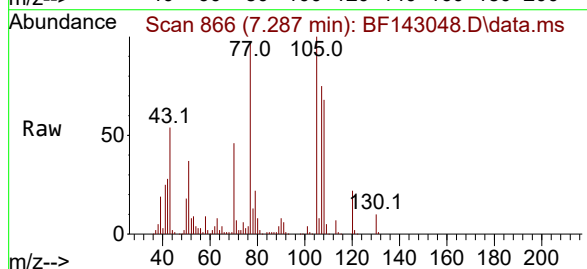
Ion Ratio Lower Upper

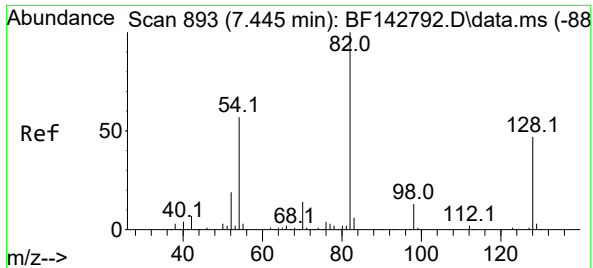
105 100

71 7.4 6.5 9.7

51 37.3 29.8 44.8

120 22.4 18.2 27.2





#23

Nitrobenzene-d5

Concen: 84.131 ng

RT: 7.439 min Scan# 892

Delta R.T. -0.006 min

Lab File: BF143048.D

Acq: 09 Jul 2025 10:52

Instrument :

BNA_F

ClientSampleId :

SSTDCCC040

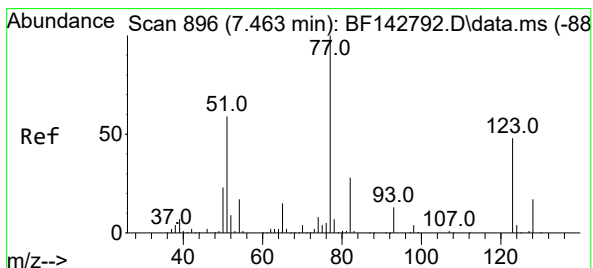
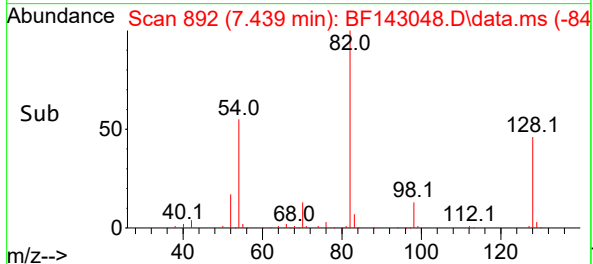
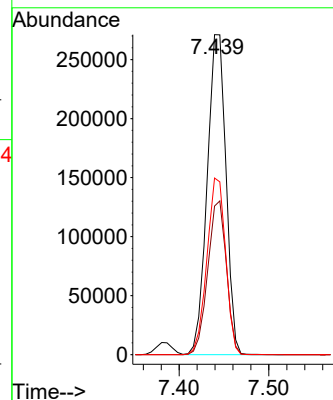
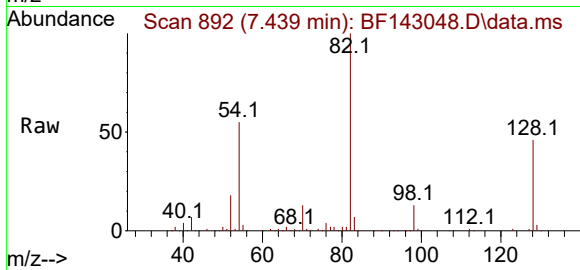
Tgt Ion: 82 Resp: 394718

Ion Ratio Lower Upper

82 100

128 46.5 37.7 56.5

54 55.2 45.7 68.5



#24

Nitrobenzene

Concen: 38.894 ng

RT: 7.463 min Scan# 896

Delta R.T. 0.000 min

Lab File: BF143048.D

Acq: 09 Jul 2025 10:52

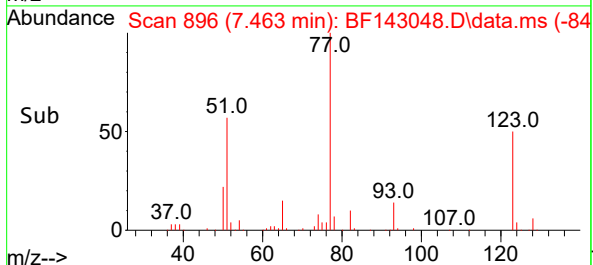
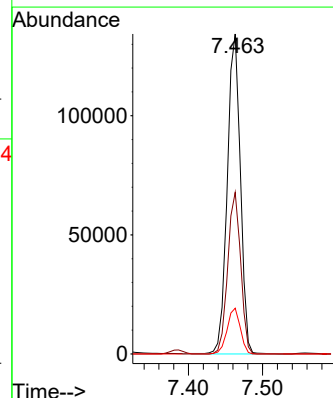
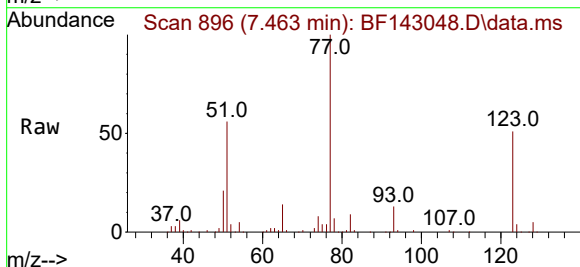
Tgt Ion: 77 Resp: 165163

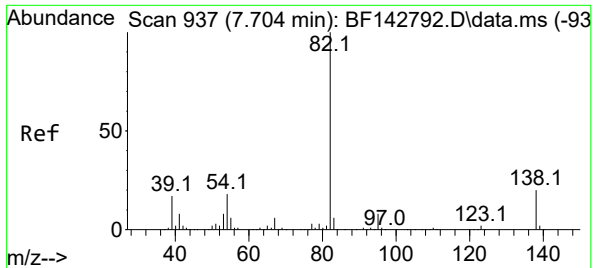
Ion Ratio Lower Upper

77 100

123 50.5 39.2 58.8

65 14.3 11.6 17.4

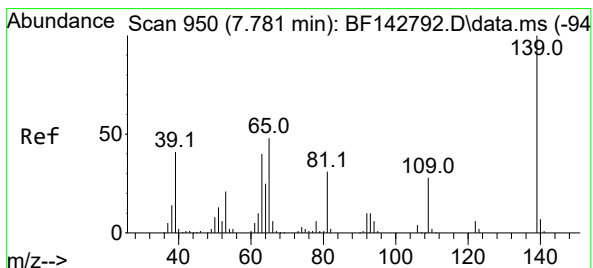
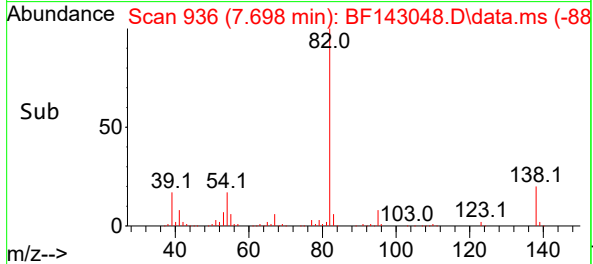
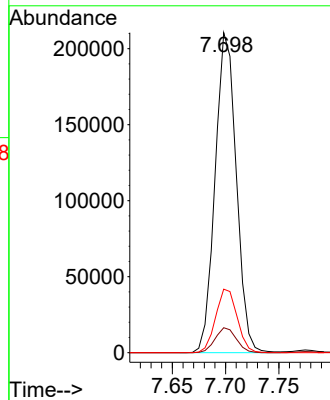
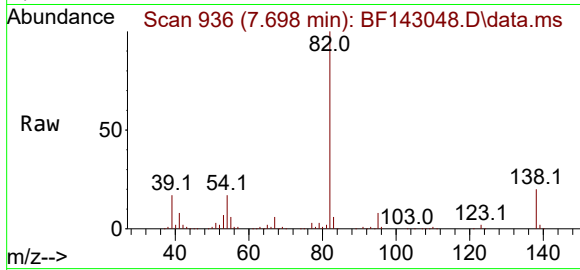




#25
Isophorone
Concen: 38.685 ng
RT: 7.698 min Scan# 91
Delta R.T. -0.006 min
Lab File: BF143048.D
Acq: 09 Jul 2025 10:52

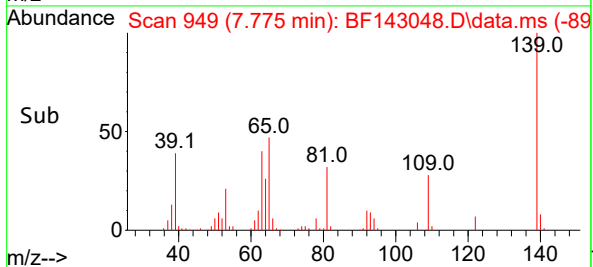
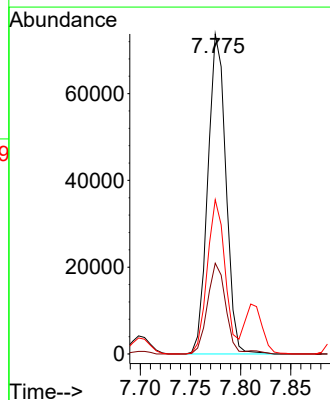
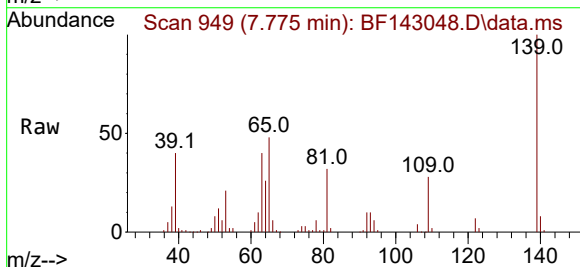
Instrument :
BNA_F
ClientSampleId :
SSTDCCC040

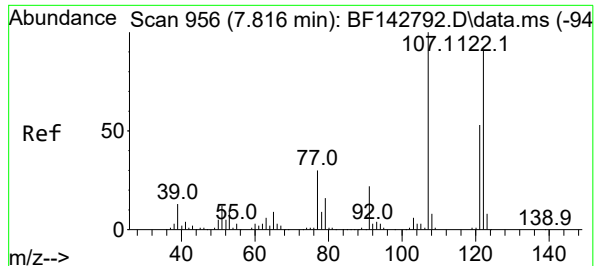
Tgt Ion:	82	Resp:	291150
Ion	Ratio	Lower	Upper
82	100		
95	7.8	6.2	9.2
138	19.9	16.2	24.4



#26
2-Nitrophenol
Concen: 39.996 ng
RT: 7.775 min Scan# 949
Delta R.T. -0.006 min
Lab File: BF143048.D
Acq: 09 Jul 2025 10:52

Tgt Ion:	139	Resp:	92518
Ion	Ratio	Lower	Upper
139	100		
109	28.3	22.7	34.1
65	48.2	38.6	58.0





#27

2,4-Dimethylphenol

Concen: 38.323 ng m

RT: 7.816 min Scan# 91

Delta R.T. 0.000 min

Lab File: BF143048.D

Acq: 09 Jul 2025 10:52

Instrument :

BNA_F

ClientSampleId :

SSTDCCC040

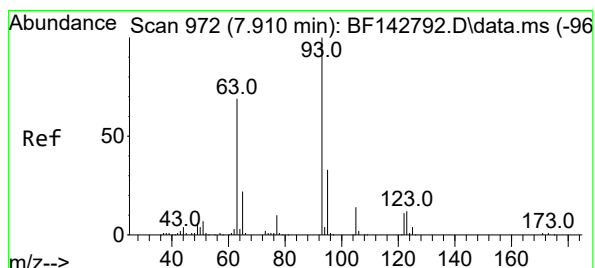
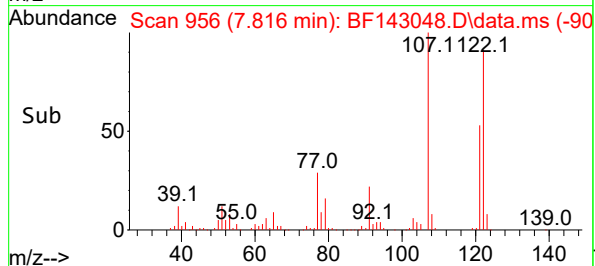
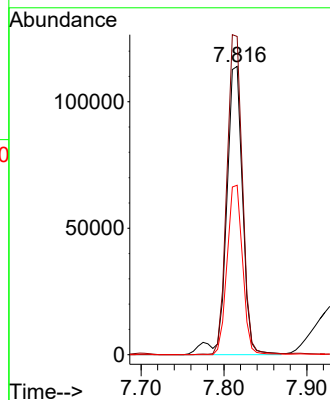
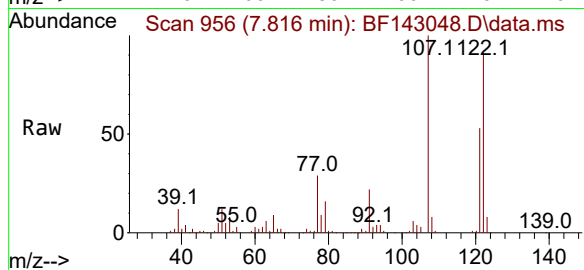
Tgt Ion:122 Resp: 153557

Ion Ratio Lower Upper

122 100

107 110.4 88.0 132.0

121 58.8 46.3 69.5



#28

bis(2-Chloroethoxy)methane

Concen: 39.139 ng

RT: 7.904 min Scan# 971

Delta R.T. -0.006 min

Lab File: BF143048.D

Acq: 09 Jul 2025 10:52

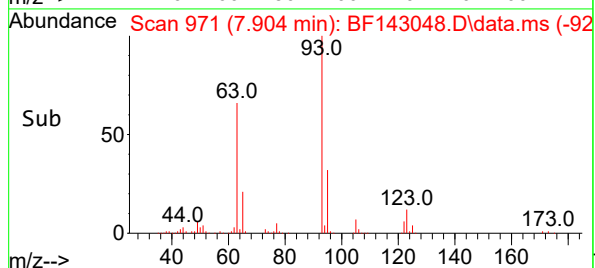
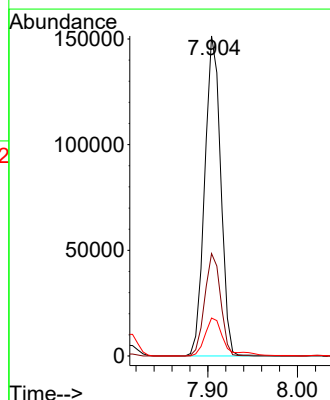
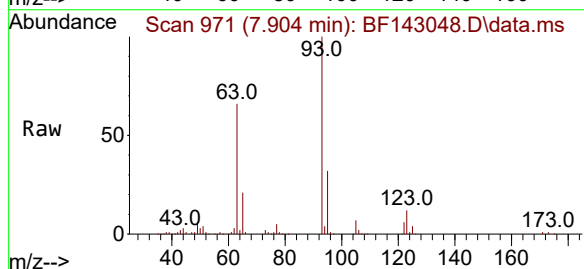
Tgt Ion: 93 Resp: 187275

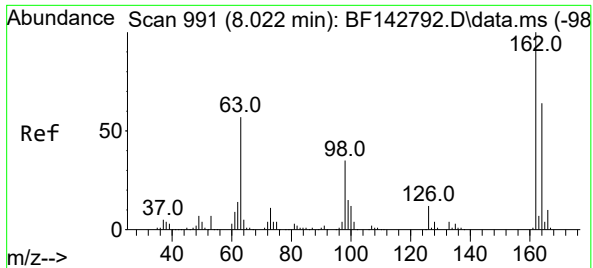
Ion Ratio Lower Upper

93 100

95 32.0 26.2 39.2

123 11.8 9.9 14.9





#29

2,4-Dichlorophenol

Concen: 39.186 ng

RT: 8.022 min Scan# 991

Delta R.T. 0.000 min

Lab File: BF143048.D

Acq: 09 Jul 2025 10:52

Instrument :

BNA_F

ClientSampleId :

SSTDCCC040

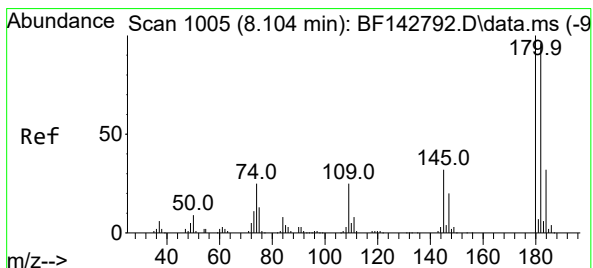
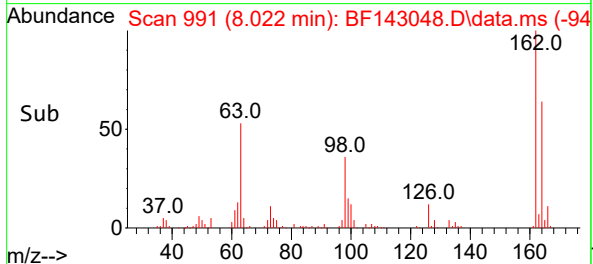
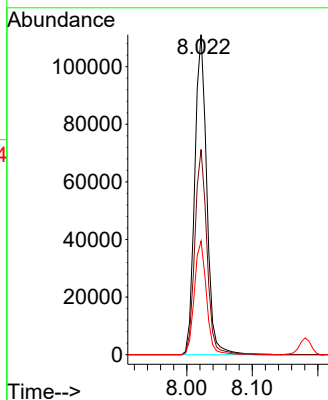
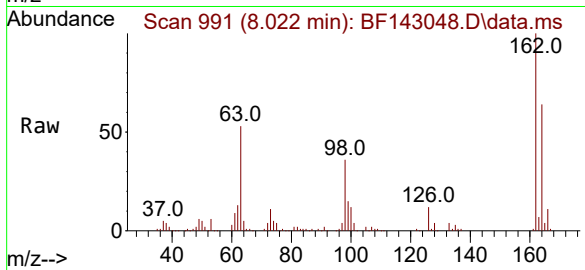
Tgt Ion:162 Resp: 142368

Ion Ratio Lower Upper

162 100

164 64.1 44.0 84.0

98 35.5 15.4 55.4



#30

1,2,4-Trichlorobenzene

Concen: 38.924 ng

RT: 8.098 min Scan# 1004

Delta R.T. -0.006 min

Lab File: BF143048.D

Acq: 09 Jul 2025 10:52

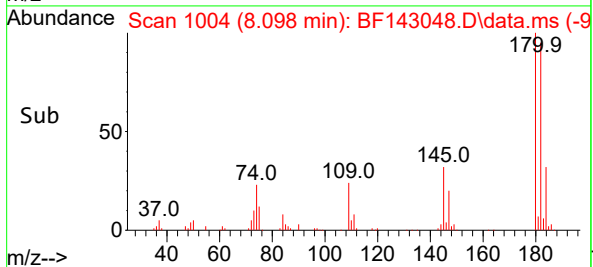
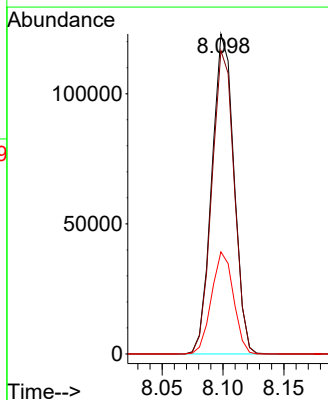
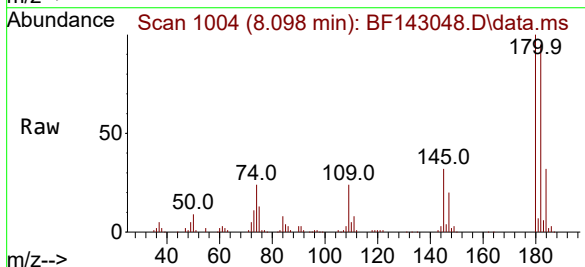
Tgt Ion:180 Resp: 155501

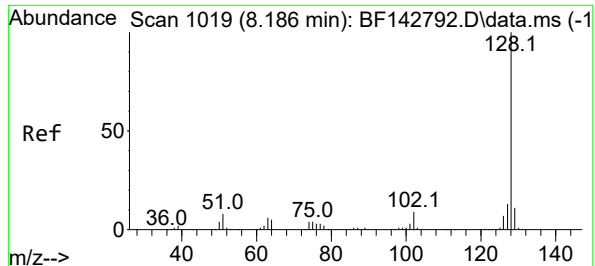
Ion Ratio Lower Upper

180 100

182 94.8 76.4 114.6

145 31.9 25.8 38.8





#31

Naphthalene

Concen: 38.510 ng

RT: 8.181 min Scan# 1019

Delta R.T. -0.006 min

Lab File: BF143048.D

Acq: 09 Jul 2025 10:52

Instrument :

BNA_F

ClientSampleId :

SSTDCCC040

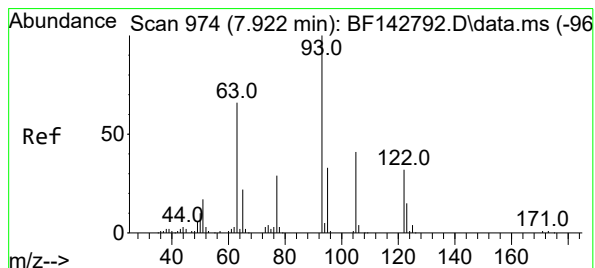
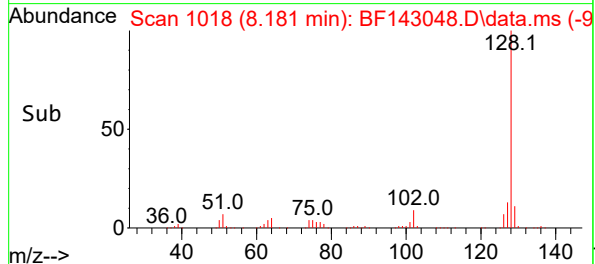
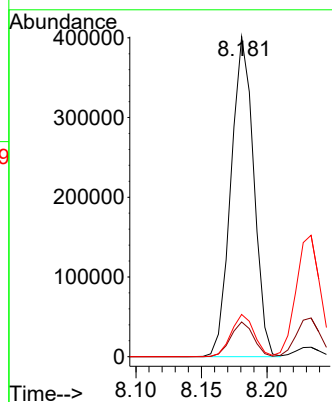
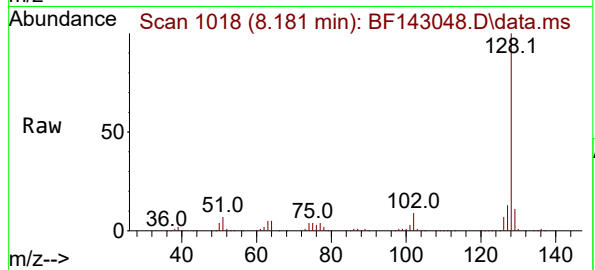
Tgt Ion:128 Resp: 485090

Ion Ratio Lower Upper

128 100

129 10.8 8.9 13.3

127 13.2 10.4 15.6



#32

Benzoic acid

Concen: 34.368 ng

RT: 7.939 min Scan# 977

Delta R.T. 0.018 min

Lab File: BF143048.D

Acq: 09 Jul 2025 10:52

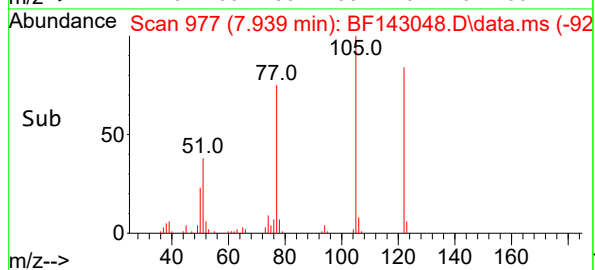
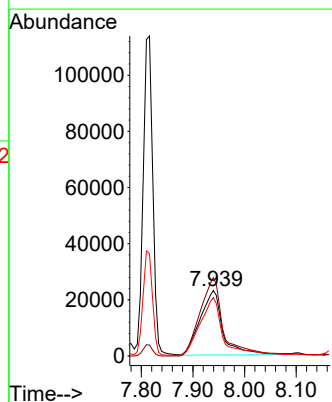
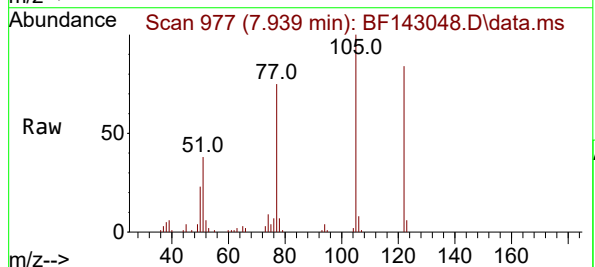
Tgt Ion:122 Resp: 70188

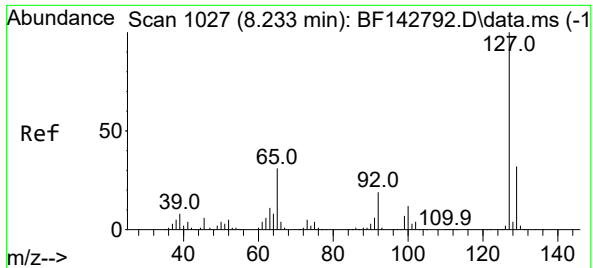
Ion Ratio Lower Upper

122 100

105 119.7 104.7 144.7

77 89.3 70.2 110.2

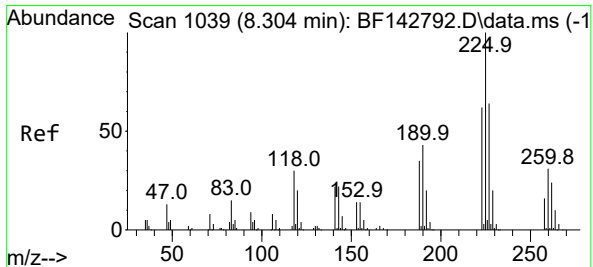
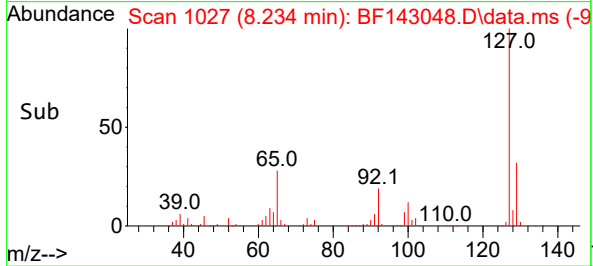
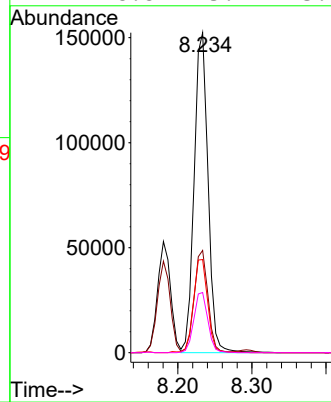
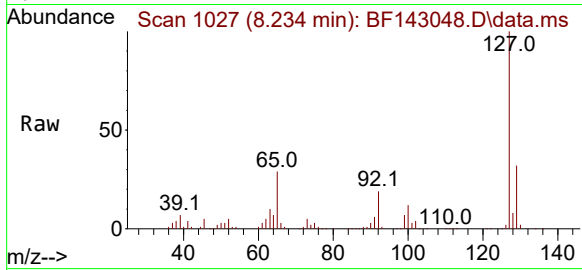




#33
4-Chloroaniline
Concen: 38.729 ng
RT: 8.234 min Scan# 1027
Delta R.T. 0.000 min
Lab File: BF143048.D
Acq: 09 Jul 2025 10:52

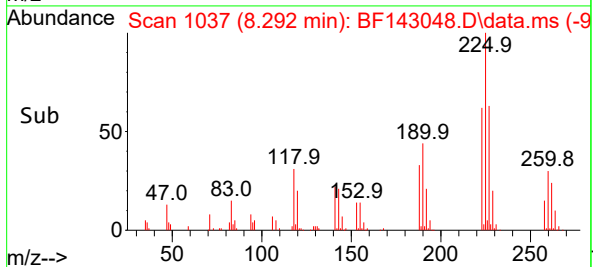
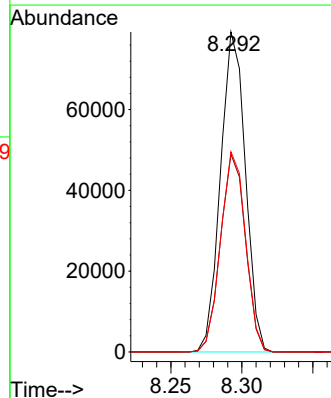
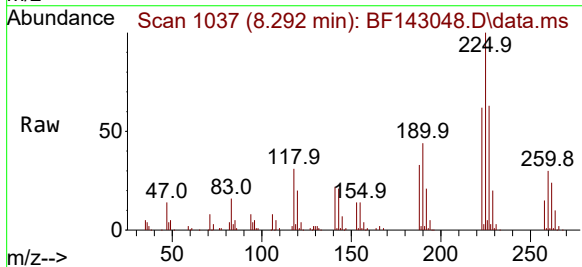
Instrument :
BNA_F
ClientSampleId :
SSTDCCC040

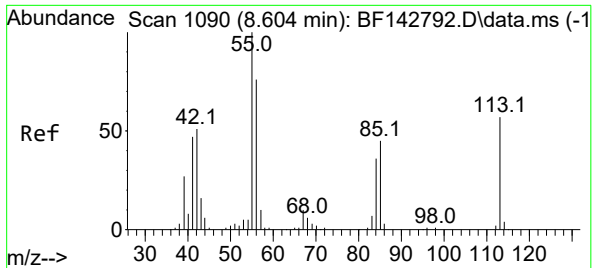
Tgt Ion:	127	Resp:	198369
Ion	Ratio	Lower	Upper
127	100		
129	31.9	25.9	38.9
65	29.1	24.6	36.8
92	18.8	15.4	23.0



#34
Hexachlorobutadiene
Concen: 39.459 ng
RT: 8.292 min Scan# 1037
Delta R.T. -0.012 min
Lab File: BF143048.D
Acq: 09 Jul 2025 10:52

Tgt Ion:	225	Resp:	96425
Ion	Ratio	Lower	Upper
225	100		
223	61.8	49.9	74.9
227	62.6	51.4	77.0





#35

Caprolactam

Concen: 39.295 ng

RT: 8.610 min Scan# 1090

Delta R.T. 0.006 min

Lab File: BF143048.D

Acq: 09 Jul 2025 10:52

Instrument :

BNA_F

ClientSampleId :

SSTDCCC040

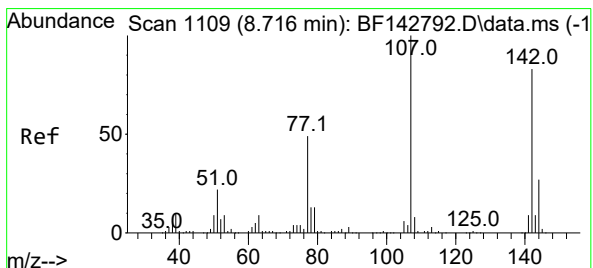
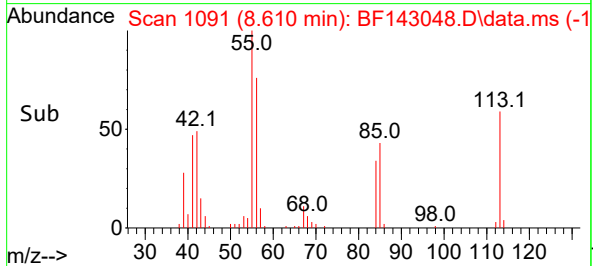
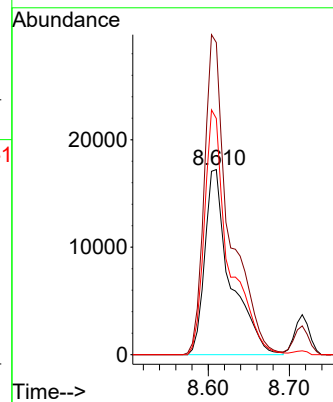
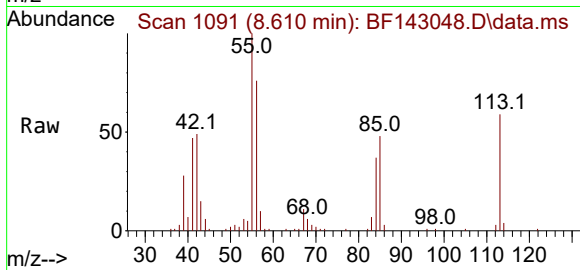
Tgt Ion:113 Resp: 37672

Ion Ratio Lower Upper

113 100

55 168.6 154.4 194.4

56 127.5 112.1 152.1



#36

4-Chloro-3-methylphenol

Concen: 39.110 ng

RT: 8.716 min Scan# 1109

Delta R.T. 0.000 min

Lab File: BF143048.D

Acq: 09 Jul 2025 10:52

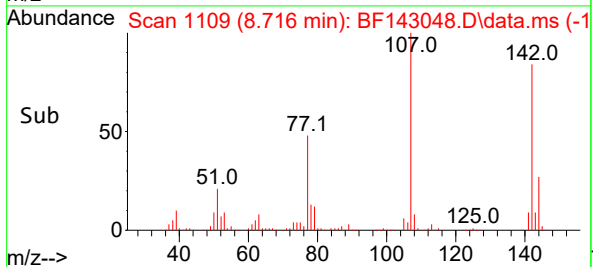
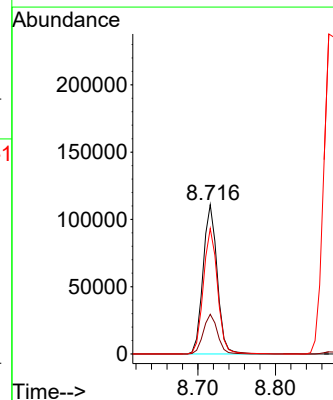
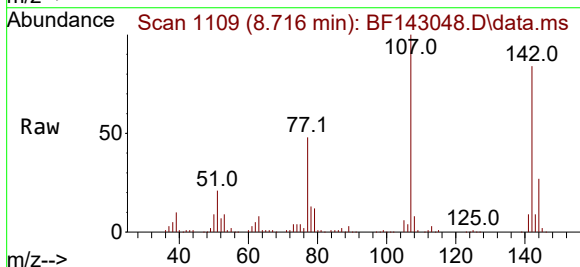
Tgt Ion:107 Resp: 141216

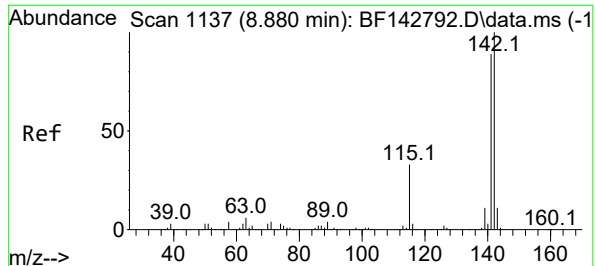
Ion Ratio Lower Upper

107 100

144 26.5 21.3 31.9

142 84.0 66.6 100.0

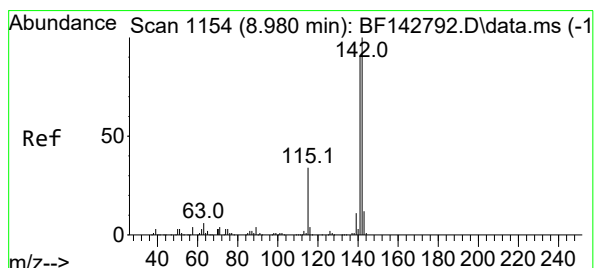
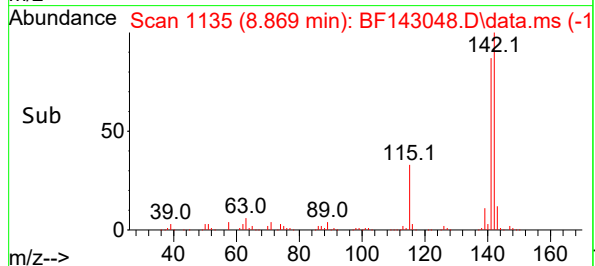
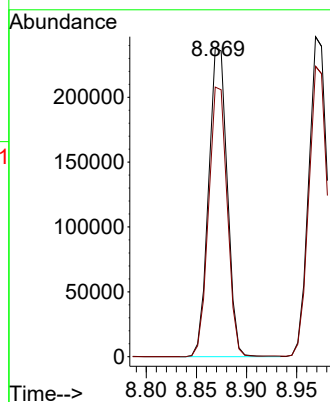
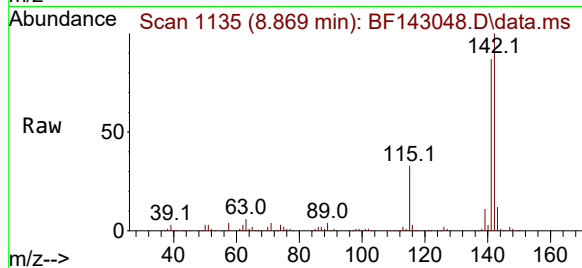




#37
2-Methylnaphthalene
Concen: 39.399 ng
RT: 8.869 min Scan# 1135
Delta R.T. -0.012 min
Lab File: BF143048.D
Acq: 09 Jul 2025 10:52

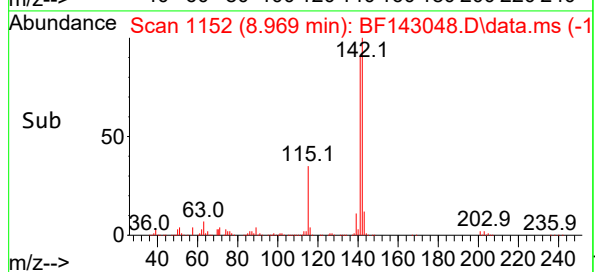
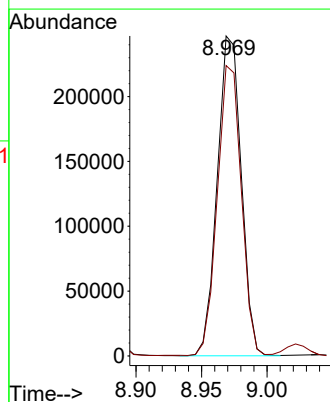
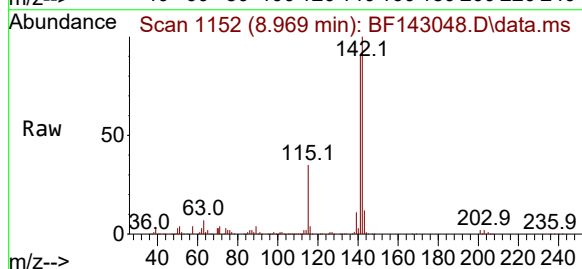
Instrument :
BNA_F
ClientSampleId :
SSTDCCC040

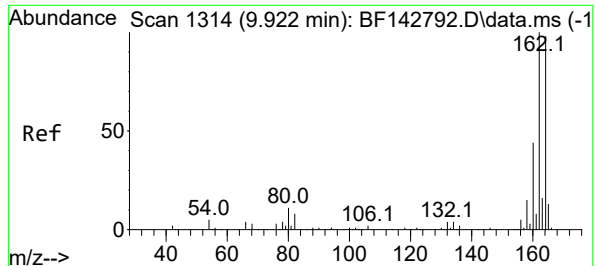
Tgt Ion:142 Resp: 307684
Ion Ratio Lower Upper
142 100
141 87.4 70.9 106.3



#38
1-Methylnaphthalene
Concen: 38.726 ng
RT: 8.969 min Scan# 1152
Delta R.T. -0.012 min
Lab File: BF143048.D
Acq: 09 Jul 2025 10:52

Tgt Ion:142 Resp: 313072
Ion Ratio Lower Upper
142 100
141 90.8 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: BF143048.D

Acq: 09 Jul 2025 10:52

Instrument :

BNA_F

ClientSampleId :

SSTDCCC040

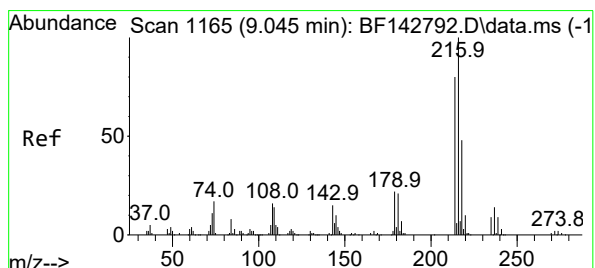
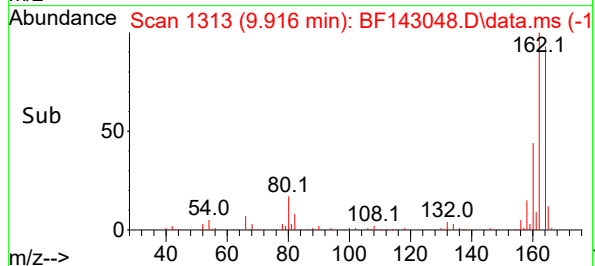
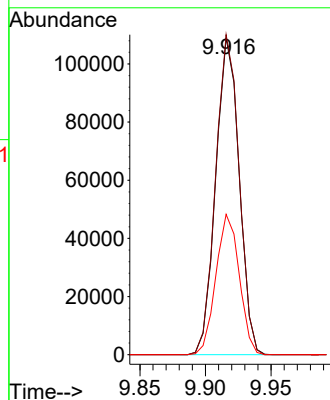
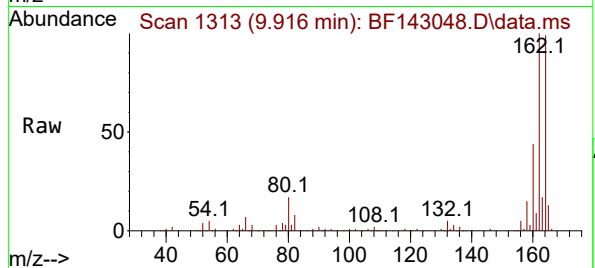
Tgt Ion:164 Resp: 135062

Ion Ratio Lower Upper

164 100

162 101.0 81.8 122.8

160 44.3 36.0 54.0



#40

1,2,4,5-Tetrachlorobenzene

Concen: 38.800 ng

RT: 9.039 min Scan# 1164

Delta R.T. -0.006 min

Lab File: BF143048.D

Acq: 09 Jul 2025 10:52

Tgt Ion:216 Resp: 154627

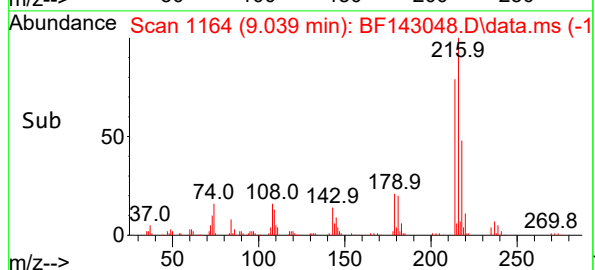
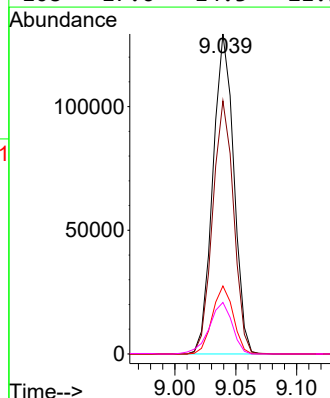
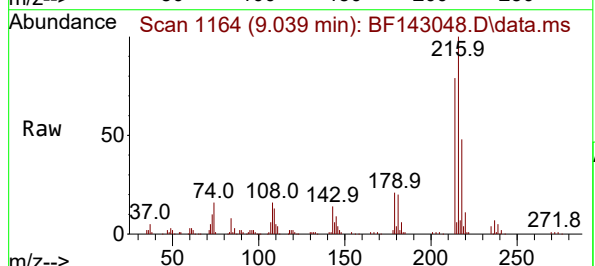
Ion Ratio Lower Upper

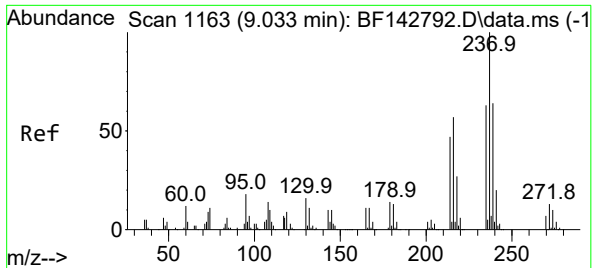
216 100

214 78.9 63.7 95.5

179 21.1 17.6 26.4

108 17.6 14.3 21.5





#41

Hexachlorocyclopentadiene

Concen: 40.772 ng

RT: 9.022 min Scan# 1161

Delta R.T. -0.012 min

Lab File: BF143048.D

Acq: 09 Jul 2025 10:52

Instrument :

BNA_F

ClientSampleId :

SSTDCCC040

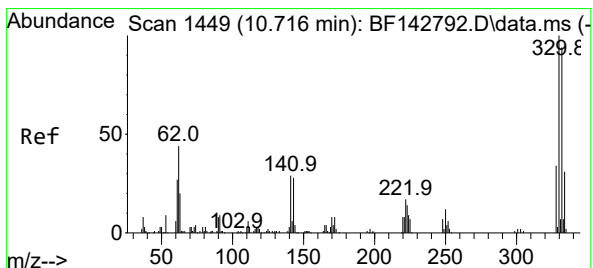
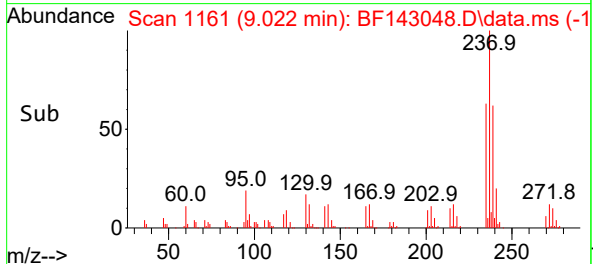
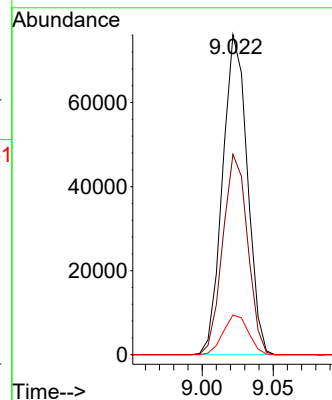
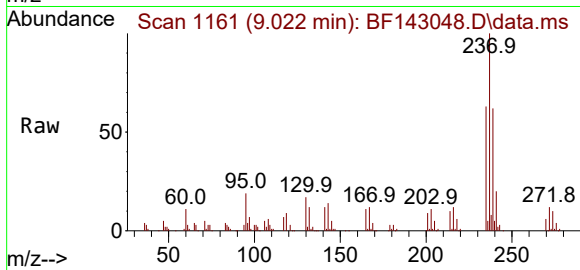
Tgt Ion:237 Resp: 92207

Ion Ratio Lower Upper

237 100

235 62.6 43.4 83.4

272 12.4 0.0 32.7



#42

2,4,6-Tribromophenol

Concen: 78.425 ng

RT: 10.710 min Scan# 1448

Delta R.T. -0.006 min

Lab File: BF143048.D

Acq: 09 Jul 2025 10:52

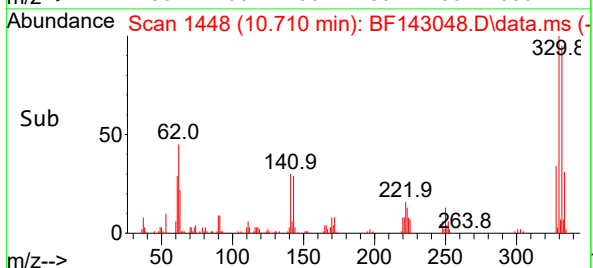
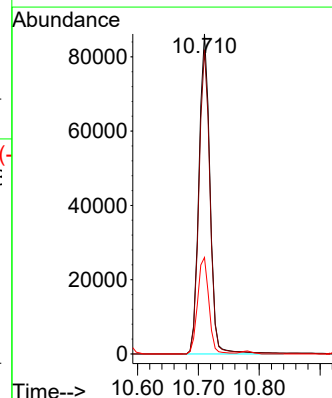
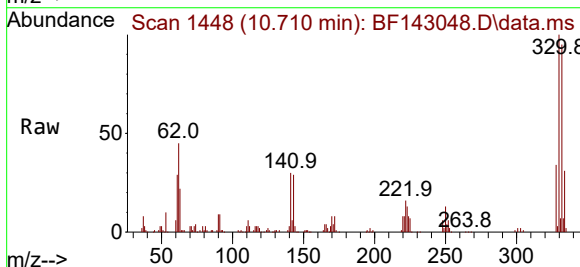
Tgt Ion:330 Resp: 109001

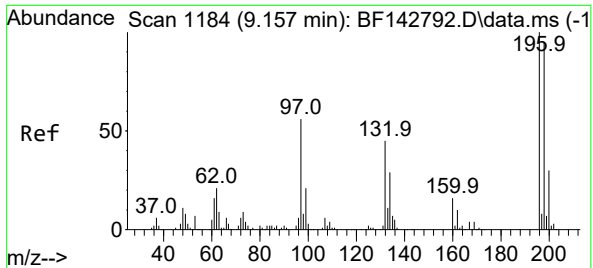
Ion Ratio Lower Upper

330 100

332 95.0 75.0 112.6

141 30.6 25.3 37.9





#43

2,4,6-Trichlorophenol

Concen: 37.080 ng

RT: 9.157 min Scan# 1184

Delta R.T. 0.000 min

Lab File: BF143048.D

Acq: 09 Jul 2025 10:52

Instrument :

BNA_F

ClientSampleId :

SSTDCCC040

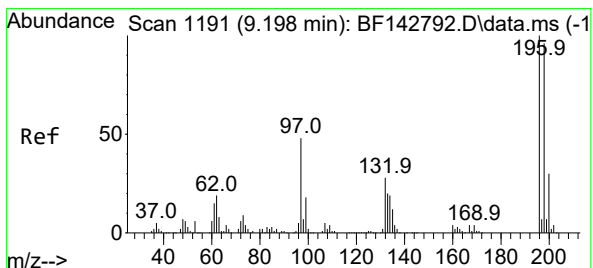
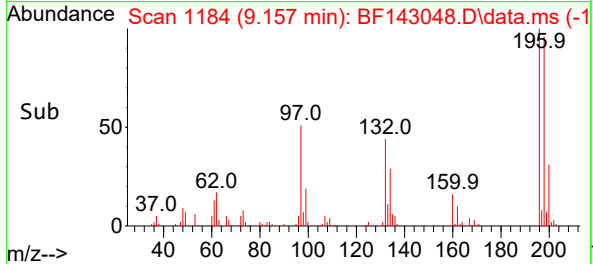
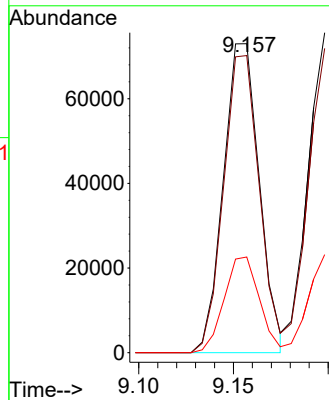
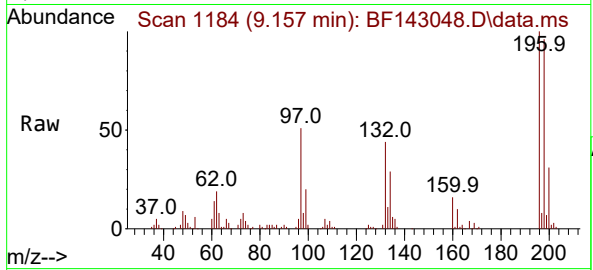
Tgt Ion:196 Resp: 96292

Ion Ratio Lower Upper

196 100

198 96.2 76.2 114.2

200 31.0 24.1 36.1



#44

2,4,5-Trichlorophenol

Concen: 37.440 ng

RT: 9.198 min Scan# 1191

Delta R.T. 0.000 min

Lab File: BF143048.D

Acq: 09 Jul 2025 10:52

Tgt Ion:196 Resp: 102349

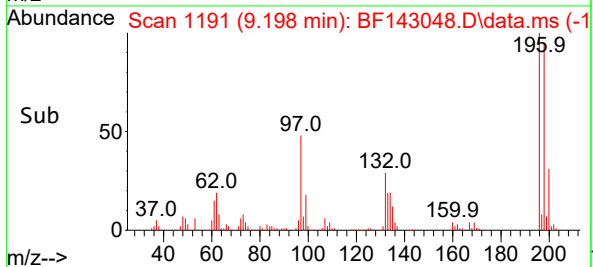
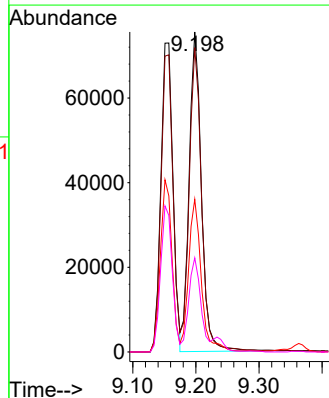
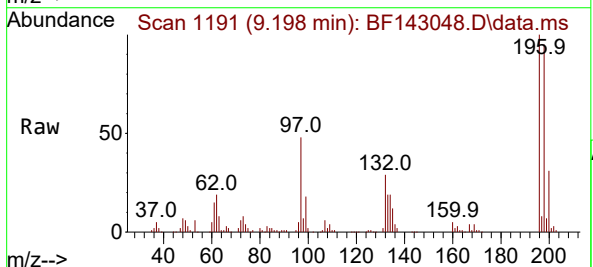
Ion Ratio Lower Upper

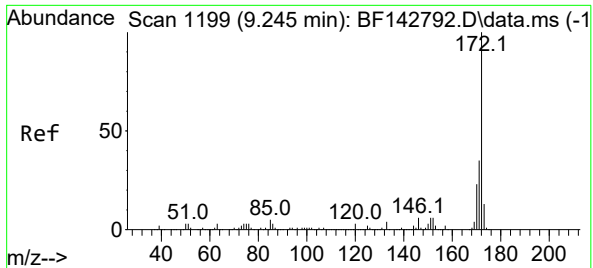
196 100

198 95.1 76.6 115.0

97 47.7 38.2 57.2

132 29.4 23.4 35.0





#45

2-Fluorobiphenyl

Concen: 81.687 ng

RT: 9.233 min Scan# 1199

Delta R.T. -0.012 min

Lab File: BF143048.D

Acq: 09 Jul 2025 10:52

Instrument :

BNA_F

ClientSampleId :

SSTDCCC040

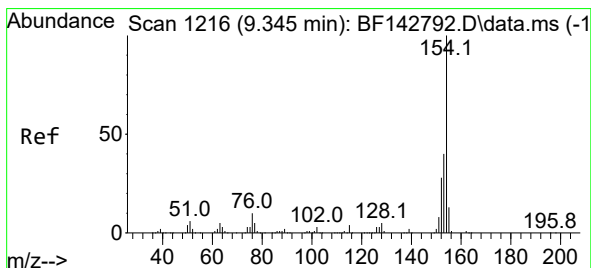
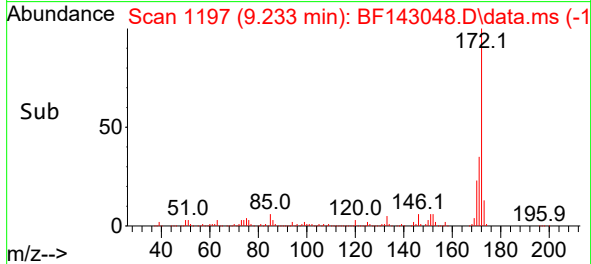
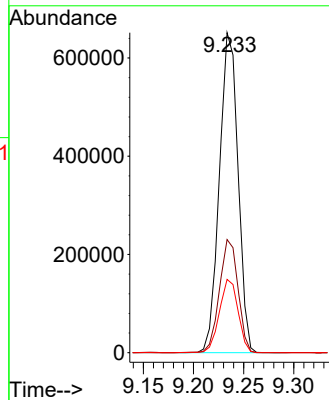
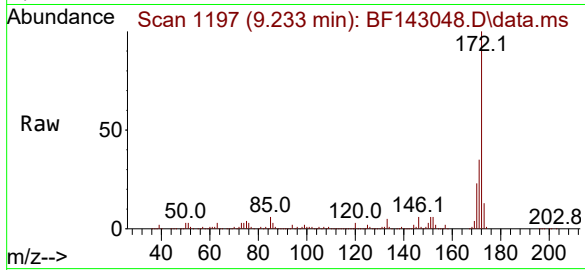
Tgt Ion:172 Resp: 839846

Ion Ratio Lower Upper

172 100

171 35.4 28.2 42.4

170 22.9 18.5 27.7



#46

1,1'-Biphenyl

Concen: 38.796 ng

RT: 9.339 min Scan# 1215

Delta R.T. -0.006 min

Lab File: BF143048.D

Acq: 09 Jul 2025 10:52

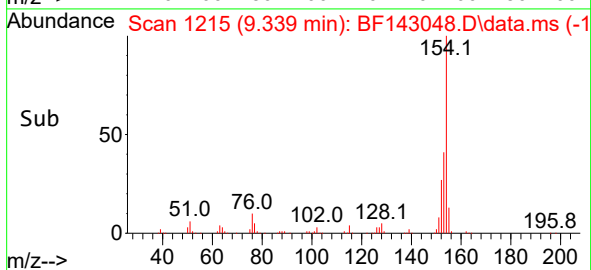
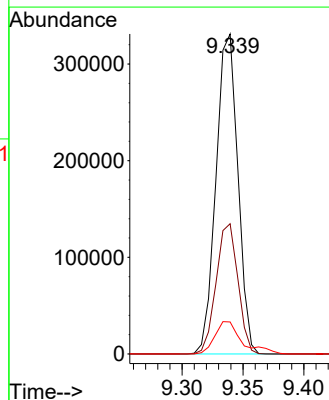
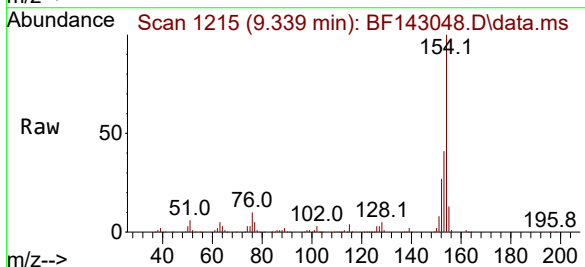
Tgt Ion:154 Resp: 413921

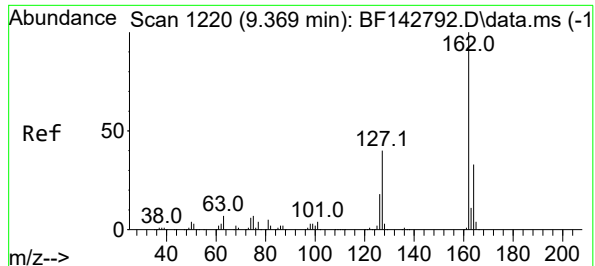
Ion Ratio Lower Upper

154 100

153 40.7 20.3 60.3

76 10.0 0.0 30.3





#47

2-Chloronaphthalene

Concen: 38.255 ng

RT: 9.363 min Scan# 1219

Delta R.T. -0.006 min

Lab File: BF143048.D

Acq: 09 Jul 2025 10:52

Instrument :

BNA_F

ClientSampleId :

SSTDCCC040

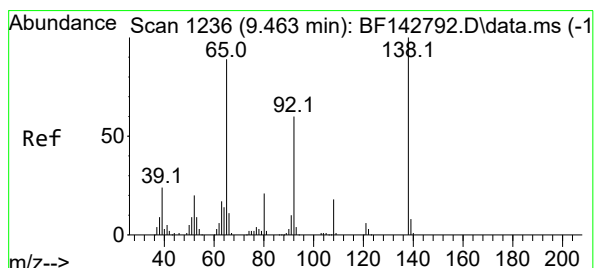
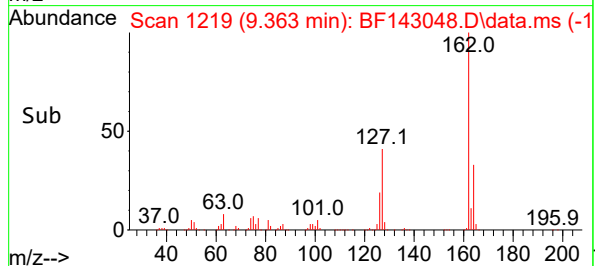
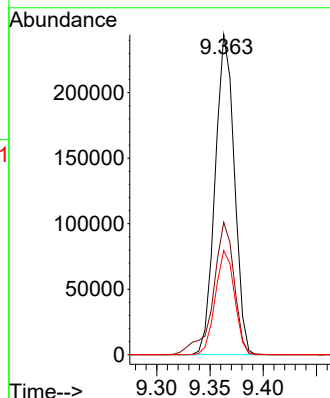
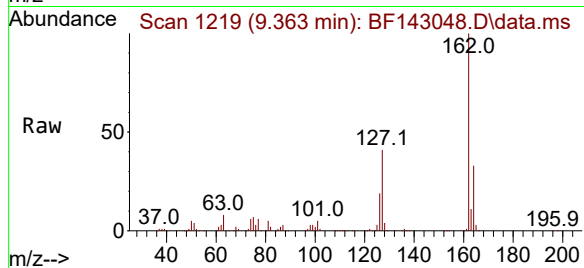
Tgt Ion:162 Resp: 306289

Ion Ratio Lower Upper

162 100

127 41.3 32.2 48.2

164 32.5 26.1 39.1



#48

2-Nitroaniline

Concen: 38.099 ng

RT: 9.463 min Scan# 1236

Delta R.T. 0.000 min

Lab File: BF143048.D

Acq: 09 Jul 2025 10:52

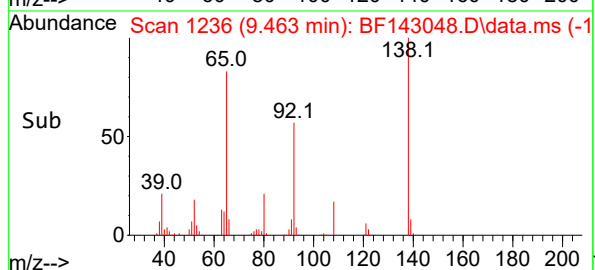
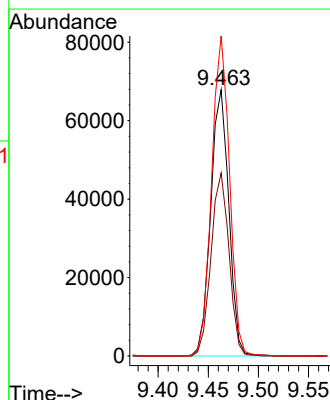
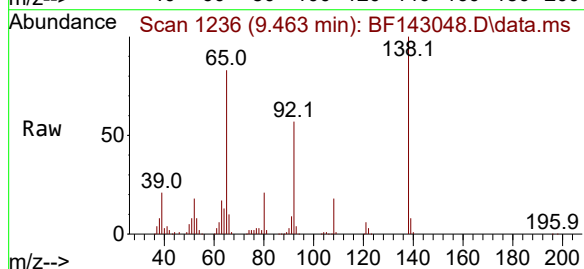
Tgt Ion: 65 Resp: 85518

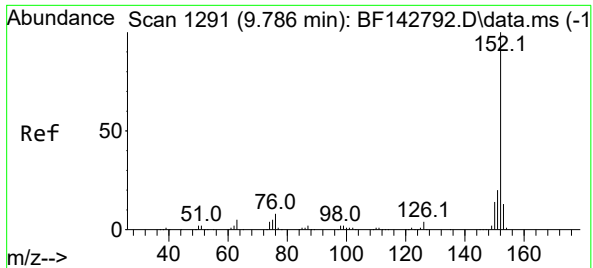
Ion Ratio Lower Upper

65 100

92 68.8 53.8 80.6

138 120.2 89.6 134.4





#49

Acenaphthylene

Concen: 38.176 ng

RT: 9.781 min Scan# 1291

Delta R.T. -0.006 min

Lab File: BF143048.D

Acq: 09 Jul 2025 10:52

Instrument :

BNA_F

ClientSampleId :

SSTDCCC040

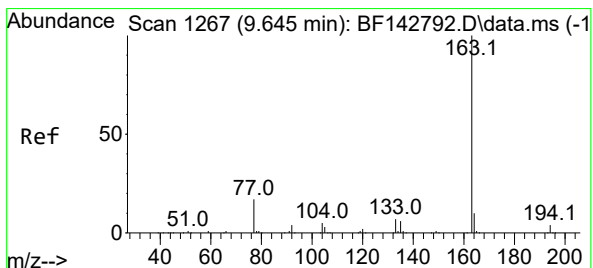
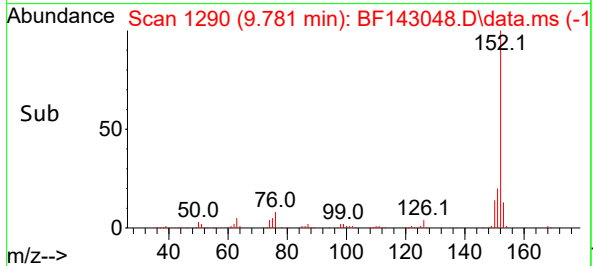
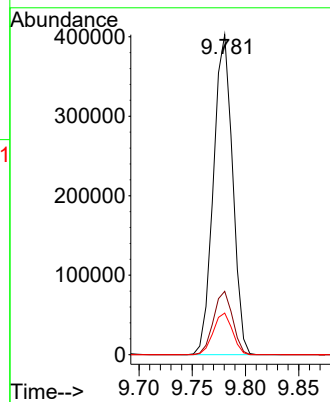
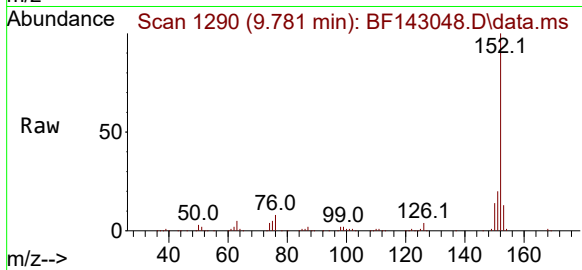
Tgt Ion:152 Resp: 503177

Ion Ratio Lower Upper

152 100

151 19.8 16.1 24.1

153 13.0 10.4 15.6



#50

Dimethylphthalate

Concen: 39.177 ng

RT: 9.639 min Scan# 1266

Delta R.T. -0.006 min

Lab File: BF143048.D

Acq: 09 Jul 2025 10:52

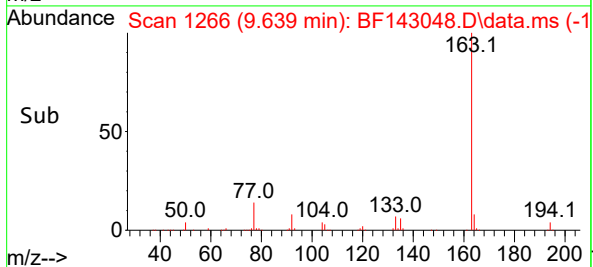
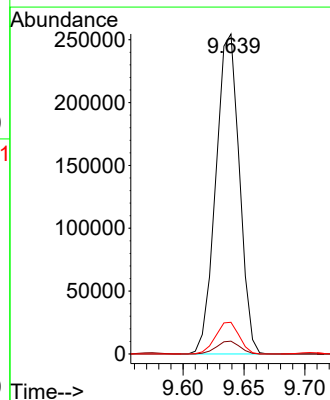
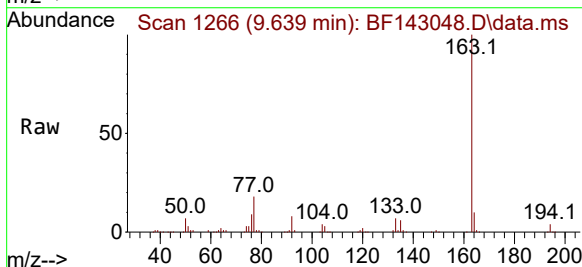
Tgt Ion:163 Resp: 342506

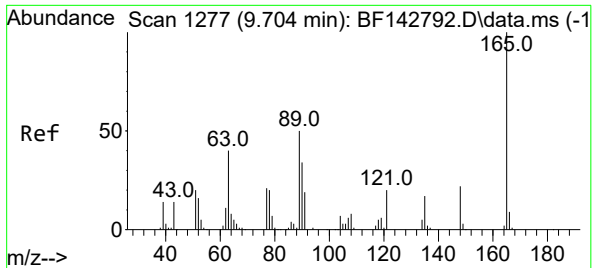
Ion Ratio Lower Upper

163 100

194 4.0 3.3 4.9

164 9.9 8.0 12.0

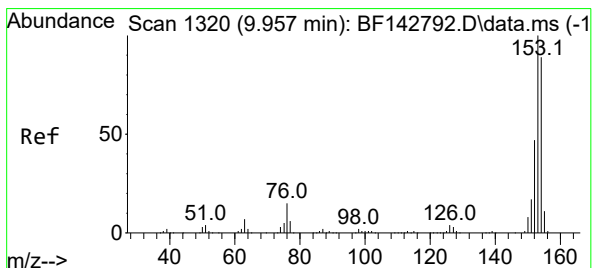
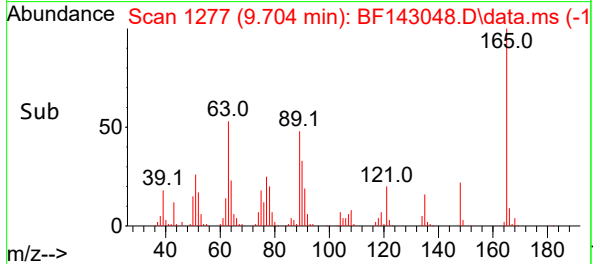
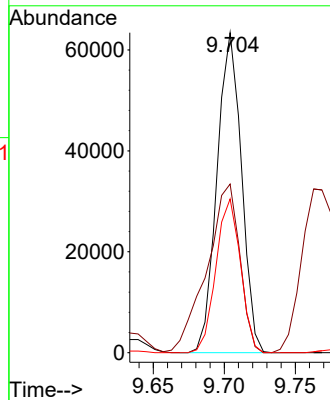
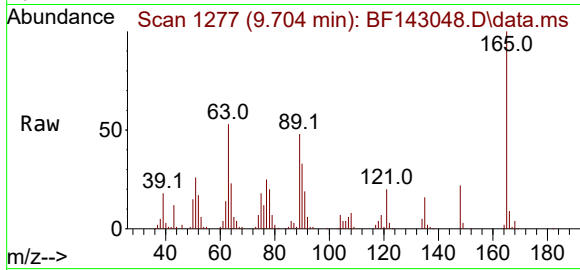




#51
2,6-Dinitrotoluene
Concen: 39.500 ng
RT: 9.704 min Scan# 1319
Delta R.T. 0.000 min
Lab File: BF143048.D
Acq: 09 Jul 2025 10:52

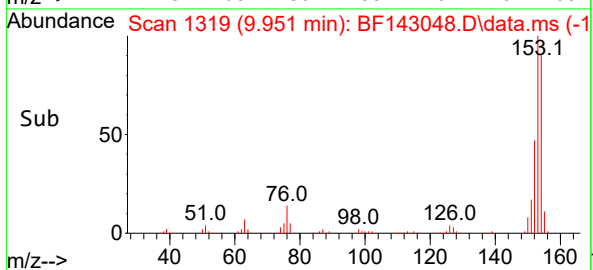
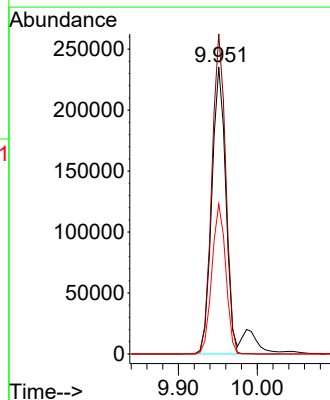
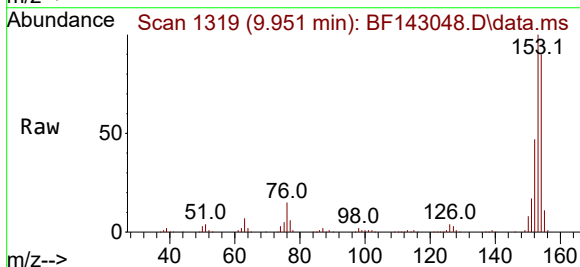
Instrument :
BNA_F
ClientSampleId :
SSTDCCC040

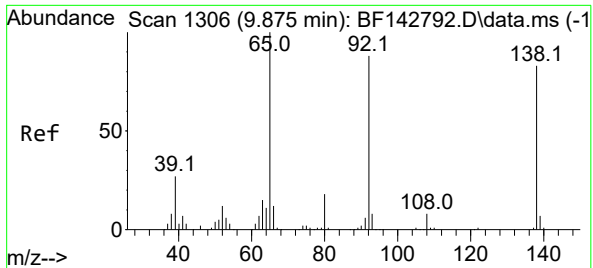
Tgt Ion	Ratio	Lower	Upper
165	100		
63	52.7	44.2	66.4
89	48.1	39.8	59.8



#52
Acenaphthene
Concen: 39.371 ng m
RT: 9.951 min Scan# 1319
Delta R.T. -0.006 min
Lab File: BF143048.D
Acq: 09 Jul 2025 10:52

Tgt Ion	Ratio	Lower	Upper
154	100		
153	111.6	90.0	135.0
152	52.3	41.9	62.9

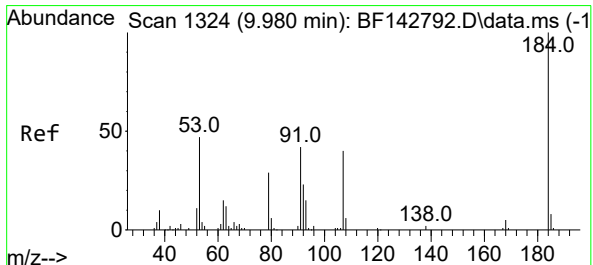
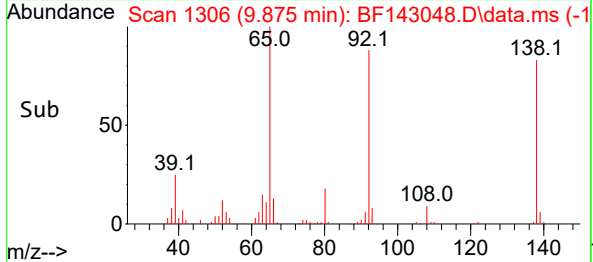
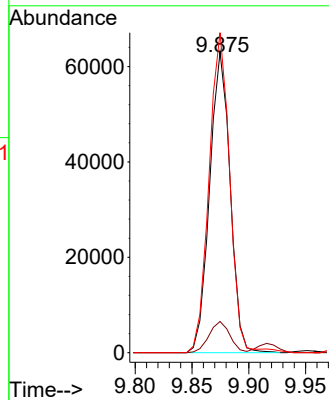
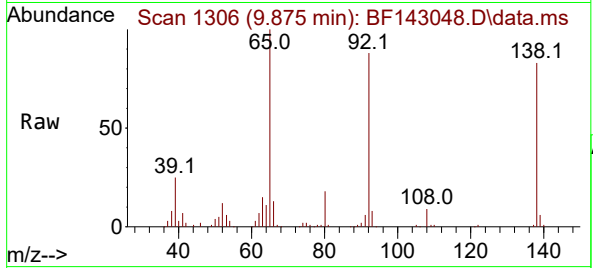




#53
3-Nitroaniline
Concen: 37.342 ng
RT: 9.875 min Scan# 1306
Delta R.T. 0.000 min
Lab File: BF143048.D
Acq: 09 Jul 2025 10:52

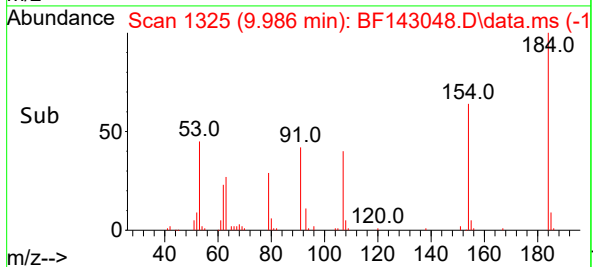
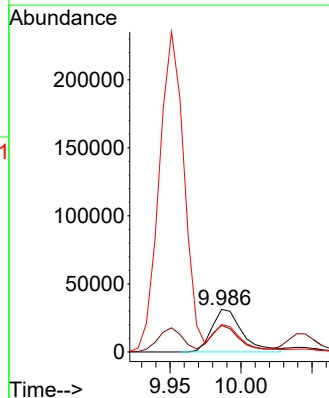
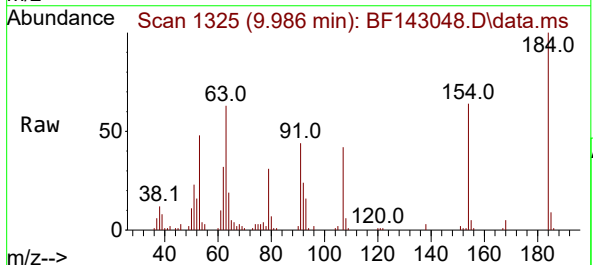
Instrument :
BNA_F
ClientSampleId :
SSTDCCC040

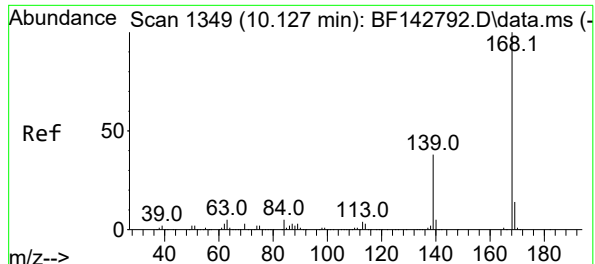
Tgt Ion	Ratio	Lower	Upper
138	100		
108	10.4	8.1	12.1
92	106.5	85.1	127.7



#54
2,4-Dinitrophenol
Concen: 48.583 ng
RT: 9.986 min Scan# 1325
Delta R.T. 0.006 min
Lab File: BF143048.D
Acq: 09 Jul 2025 10:52

Tgt Ion	Ratio	Lower	Upper
184	100		
63	62.6	50.6	75.8
154	64.2	51.8	77.8





#55

Dibenzofuran

Concen: 38.190 ng

RT: 10.122 min Scan# 1348

Delta R.T. -0.006 min

Lab File: BF143048.D

Acq: 09 Jul 2025 10:52

Instrument :

BNA_F

ClientSampleId :

SSTDCCC040

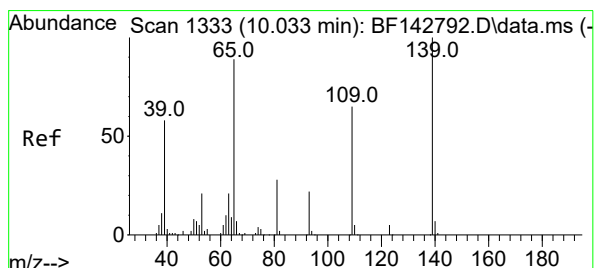
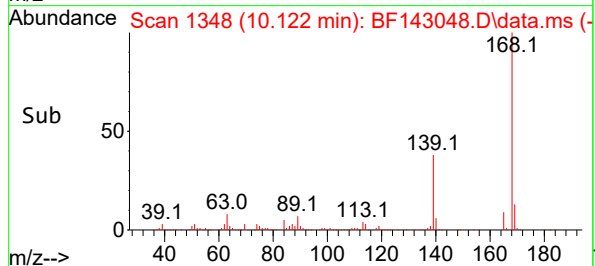
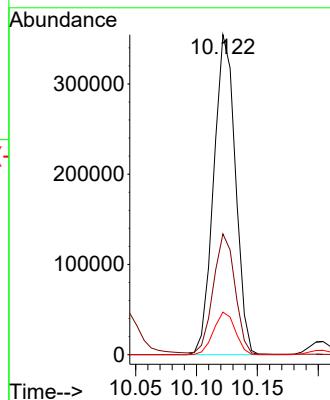
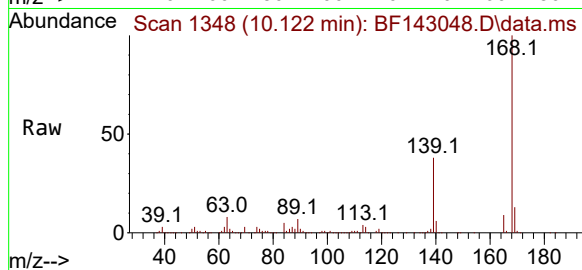
Tgt Ion:168 Resp: 440391

Ion Ratio Lower Upper

168 100

139 37.8 30.2 45.4

169 13.3 10.8 16.2



#56

4-Nitrophenol

Concen: 46.654 ng

RT: 10.045 min Scan# 1335

Delta R.T. 0.012 min

Lab File: BF143048.D

Acq: 09 Jul 2025 10:52

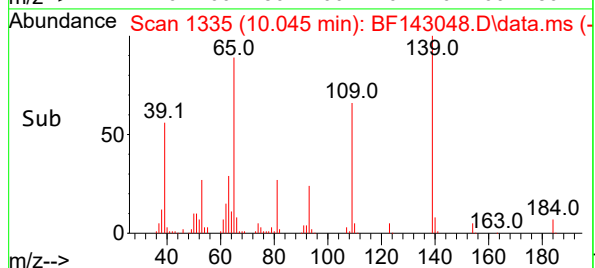
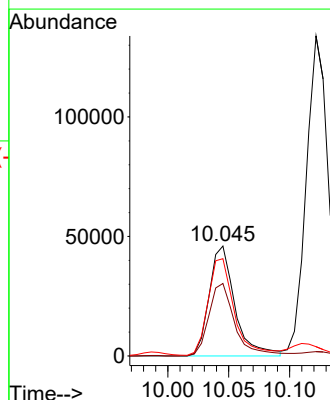
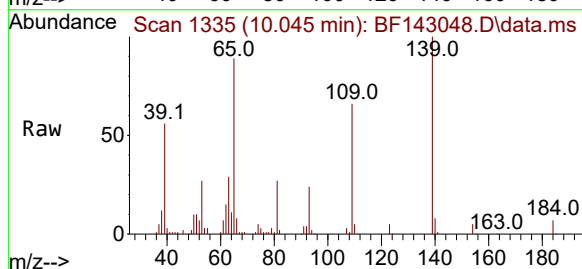
Tgt Ion:139 Resp: 67517

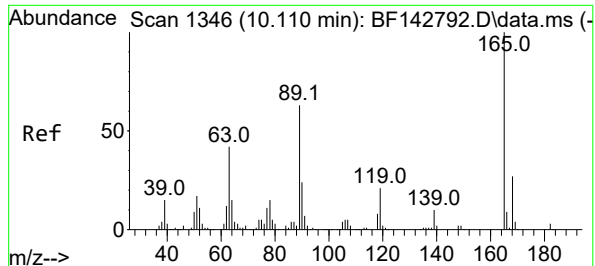
Ion Ratio Lower Upper

139 100

109 65.9 44.7 84.7

65 88.5 69.8 109.8

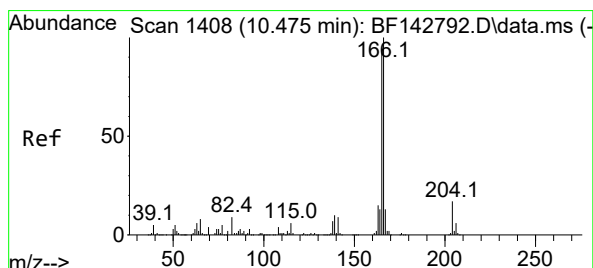
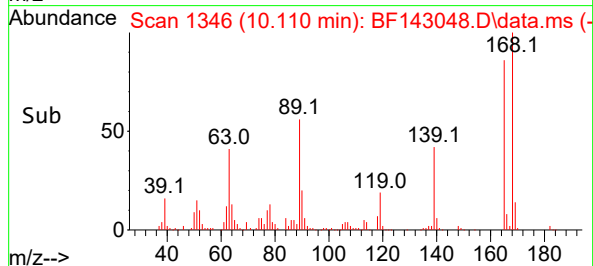
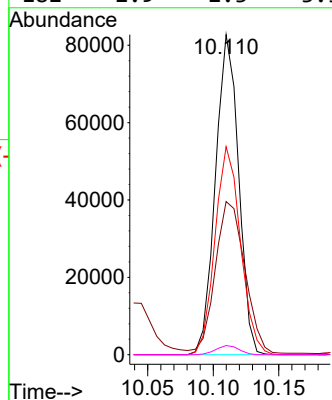
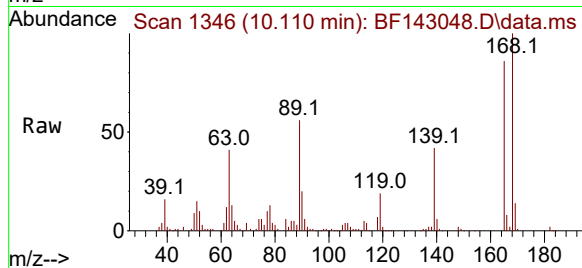




#57
2,4-Dinitrotoluene
Concen: 39.687 ng
RT: 10.110 min Scan# 11
Delta R.T. 0.000 min
Lab File: BF143048.D
Acq: 09 Jul 2025 10:52

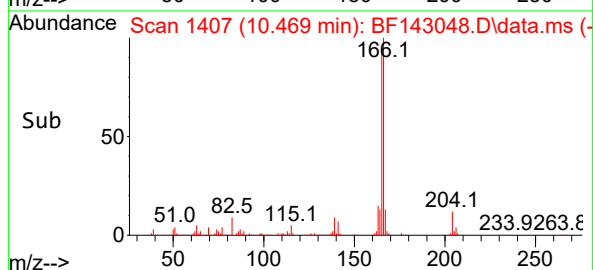
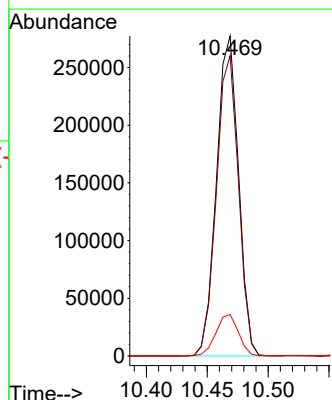
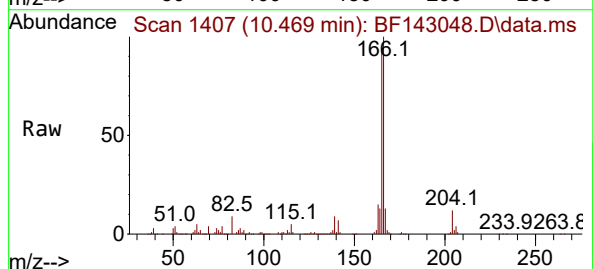
Instrument :
BNA_F
ClientSampleId :
SSTDCCC040

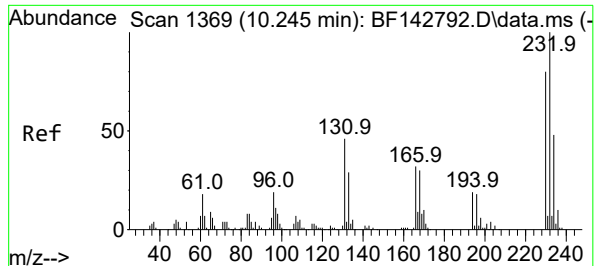
Tgt Ion:165 Resp: 101213
Ion Ratio Lower Upper
165 100
63 47.8 33.9 50.9
89 65.0 50.6 75.8
182 2.9 2.3 3.5



#58
Fluorene
Concen: 38.743 ng
RT: 10.469 min Scan# 1407
Delta R.T. -0.006 min
Lab File: BF143048.D
Acq: 09 Jul 2025 10:52

Tgt Ion:166 Resp: 348917
Ion Ratio Lower Upper
166 100
165 93.8 75.2 112.8
167 13.0 10.6 15.8

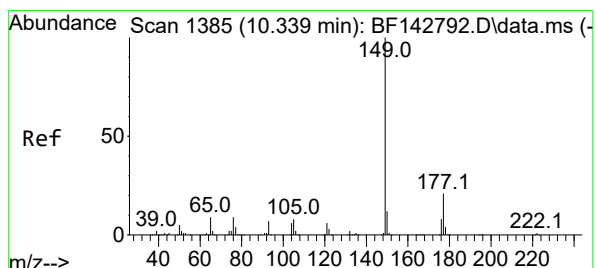
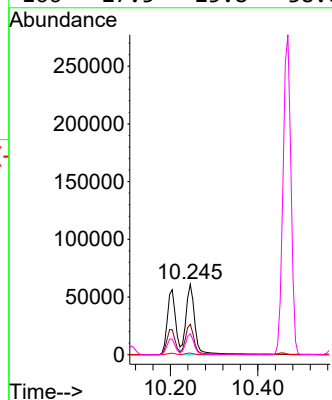
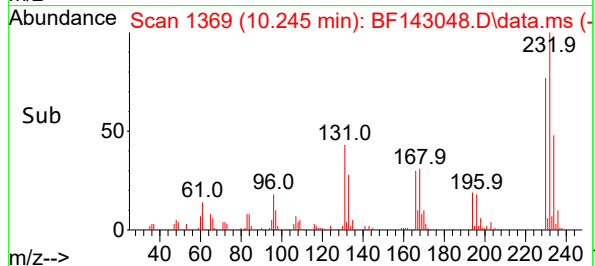
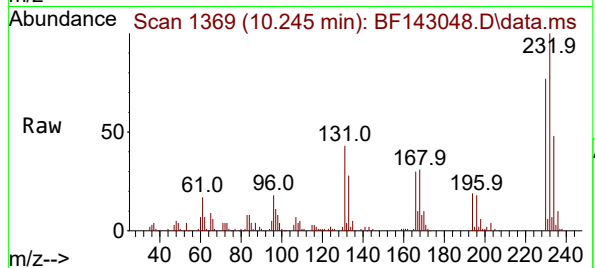




#59
2,3,4,6-Tetrachlorophenol
Concen: 39.043 ng
RT: 10.245 min Scan# 1369
Delta R.T. 0.000 min
Lab File: BF143048.D
Acq: 09 Jul 2025 10:52

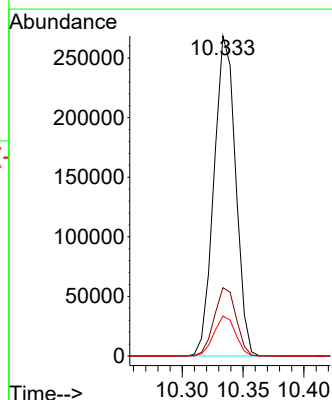
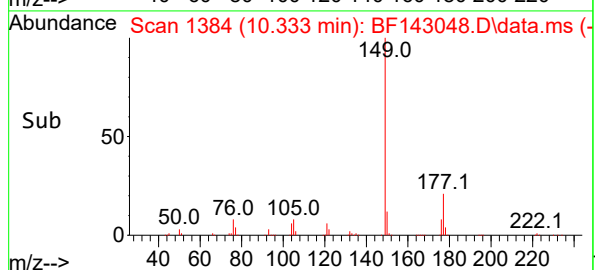
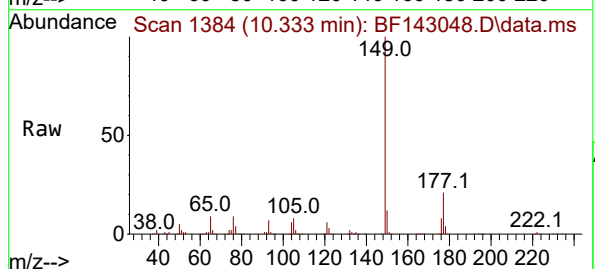
Instrument :
BNA_F
ClientSampleId :
SSTDCCC040

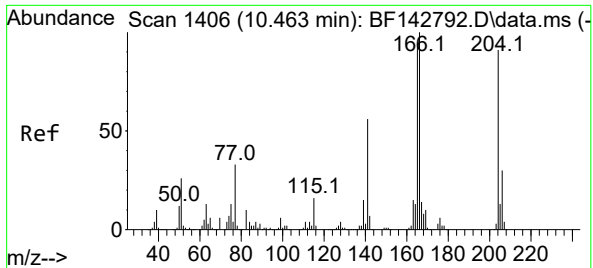
Tgt Ion:232 Resp: 86032
Ion Ratio Lower Upper
232 100
131 41.5 37.6 56.4
130 2.2 1.7 2.5
166 27.5 25.8 38.6



#60
Diethylphthalate
Concen: 38.796 ng
RT: 10.333 min Scan# 1384
Delta R.T. -0.006 min
Lab File: BF143048.D
Acq: 09 Jul 2025 10:52

Tgt Ion:149 Resp: 332556
Ion Ratio Lower Upper
149 100
177 21.4 17.0 25.6
150 12.5 9.8 14.6

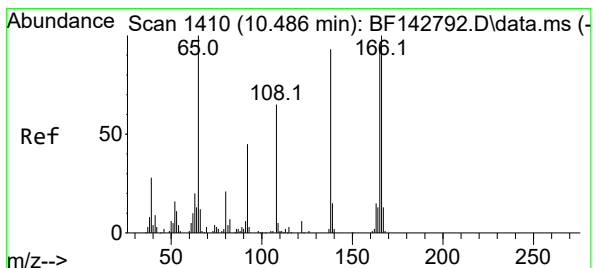
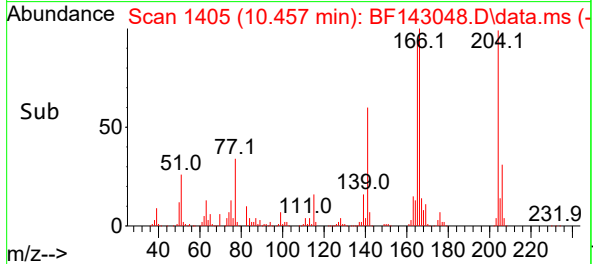
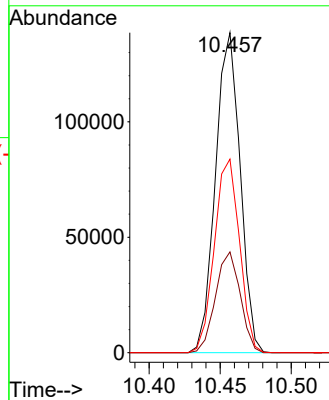
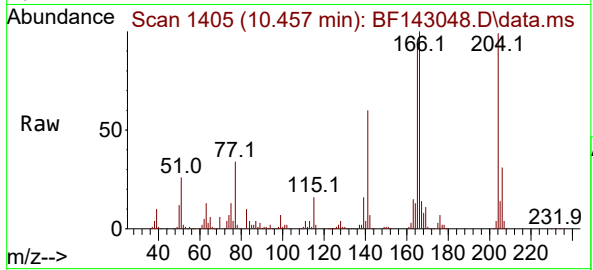




#61
4-Chlorophenyl-phenylether
Concen: 38.996 ng
RT: 10.457 min Scan# 1410
Delta R.T. -0.006 min
Lab File: BF143048.D
Acq: 09 Jul 2025 10:52

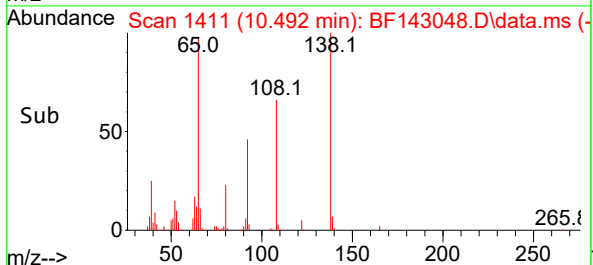
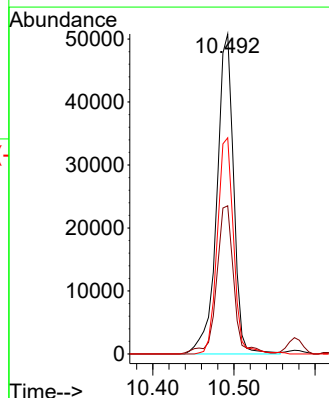
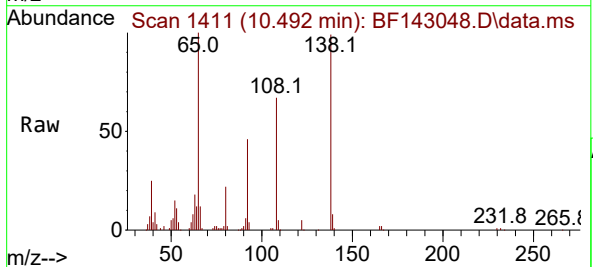
Instrument :
BNA_F
ClientSampleId :
SSTDCCC040

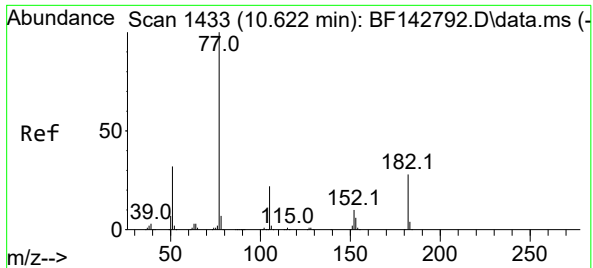
Tgt Ion:204 Resp: 167583
Ion Ratio Lower Upper
204 100
206 31.5 26.3 39.5
141 60.5 49.1 73.7



#62
4-Nitroaniline
Concen: 37.820 ng
RT: 10.492 min Scan# 1411
Delta R.T. 0.006 min
Lab File: BF143048.D
Acq: 09 Jul 2025 10:52

Tgt Ion:138 Resp: 73117
Ion Ratio Lower Upper
138 100
92 46.3 28.4 68.4
108 67.5 50.2 90.2

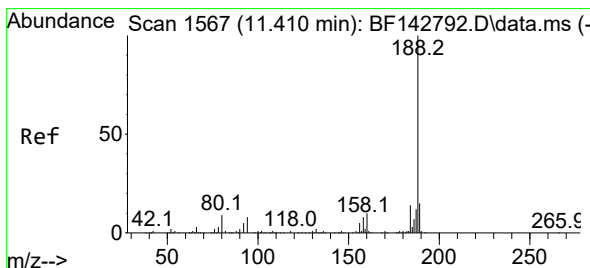
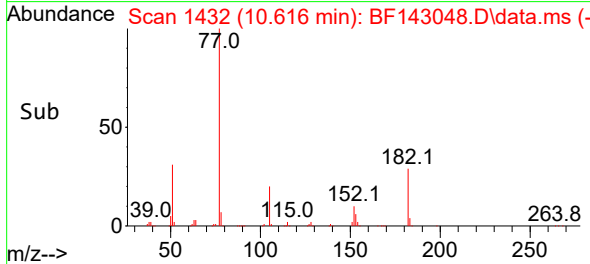
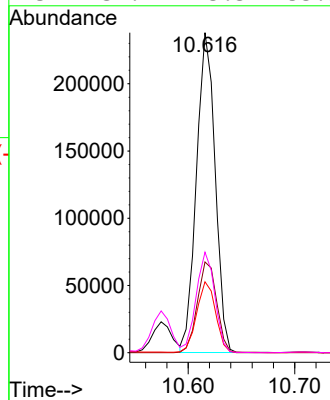
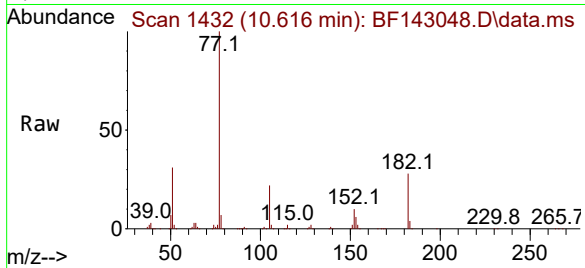




#63
Azobenzene
Concen: 37.983 ng
RT: 10.616 min Scan# 1432
Delta R.T. -0.006 min
Lab File: BF143048.D
Acq: 09 Jul 2025 10:52

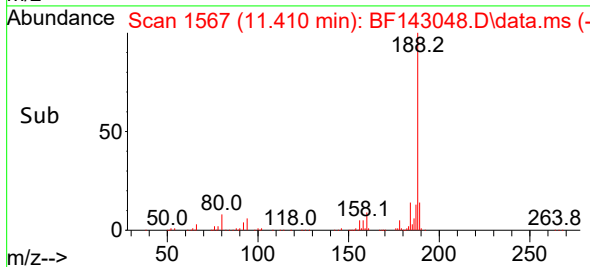
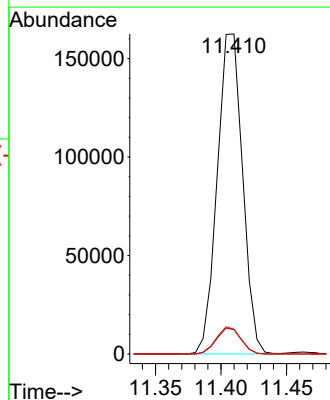
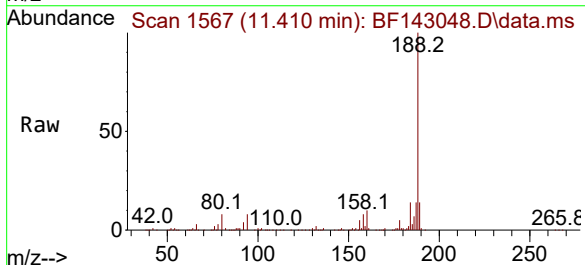
Instrument :
BNA_F
ClientSampleId :
SSTDCCC040

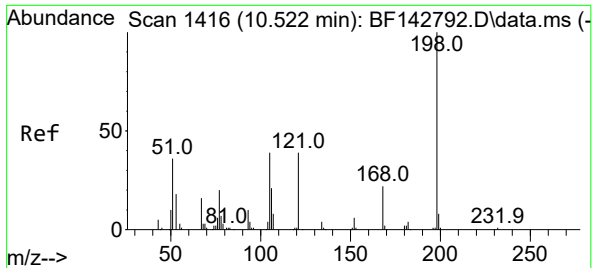
Tgt Ion: 77 Resp: 291002
Ion Ratio Lower Upper
77 100
182 28.4 7.7 47.7
105 22.1 1.9 41.9
51 31.4 13.3 53.3



#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.410 min Scan# 1567
Delta R.T. 0.000 min
Lab File: BF143048.D
Acq: 09 Jul 2025 10:52

Tgt Ion: 188 Resp: 218580
Ion Ratio Lower Upper
188 100
94 7.6 6.7 10.1
80 7.8 6.9 10.3

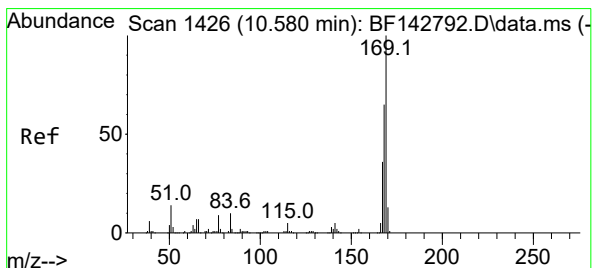
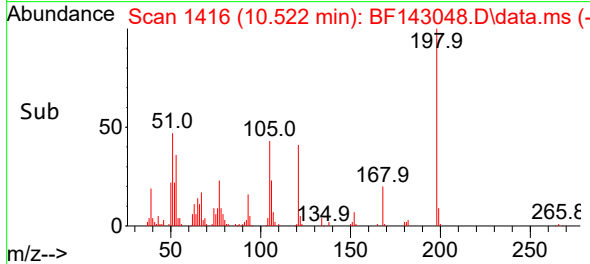
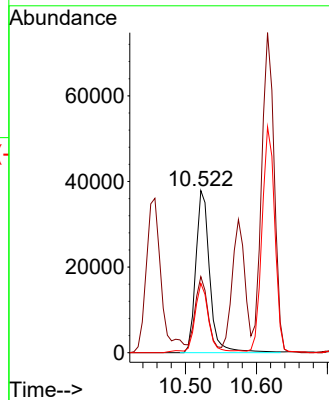
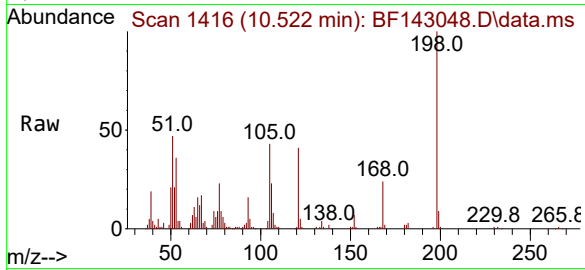




#65
4,6-Dinitro-2-methylphenol
Concen: 39.111 ng
RT: 10.522 min Scan# 1416
Delta R.T. 0.000 min
Lab File: BF143048.D
Acq: 09 Jul 2025 10:52

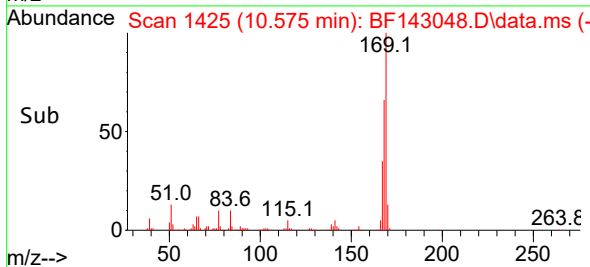
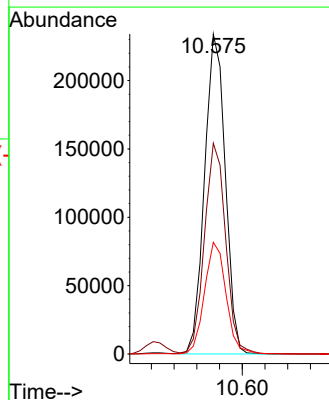
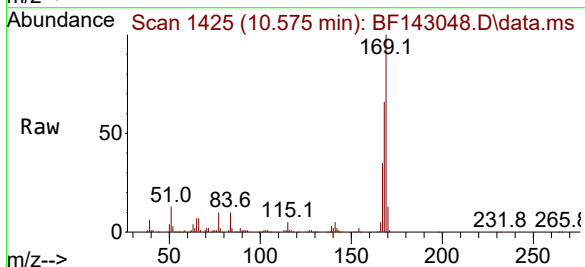
Instrument :
BNA_F
ClientSampleId :
SSTDCCC040

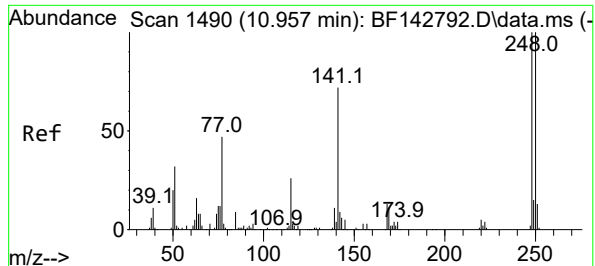
Tgt Ion:198 Resp: 51710
Ion Ratio Lower Upper
198 100
51 46.9 25.4 65.4
105 42.7 20.4 60.4



#66
n-Nitrosodiphenylamine
Concen: 39.109 ng
RT: 10.575 min Scan# 1425
Delta R.T. -0.006 min
Lab File: BF143048.D
Acq: 09 Jul 2025 10:52

Tgt Ion:169 Resp: 296265
Ion Ratio Lower Upper
169 100
168 65.9 51.9 77.9
167 34.9 28.5 42.7

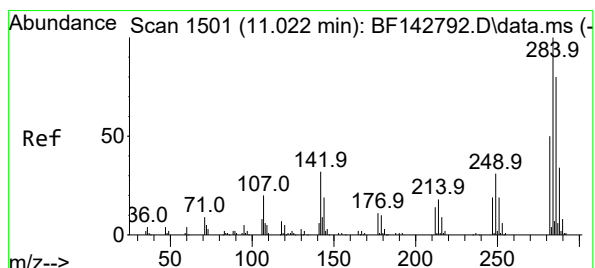
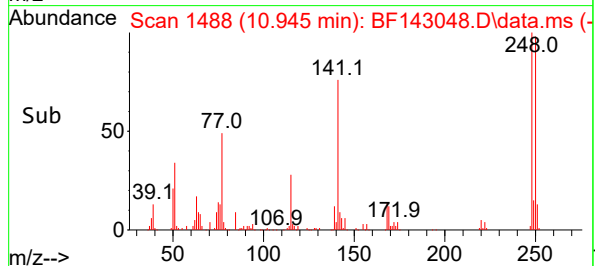
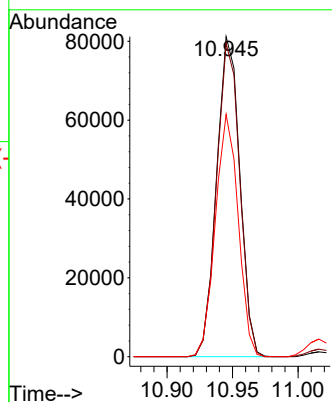
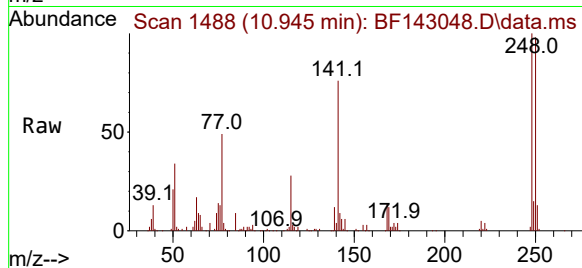




#67
4-Bromophenyl-phenylether
Concen: 40.295 ng
RT: 10.945 min Scan# 1490
Delta R.T. -0.012 min
Lab File: BF143048.D
Acq: 09 Jul 2025 10:52

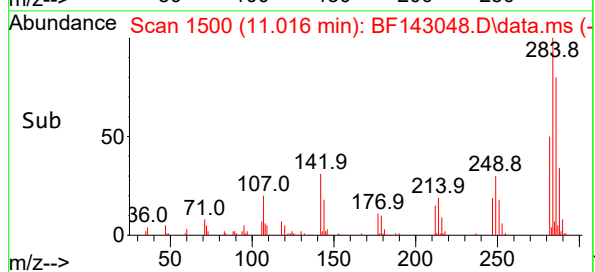
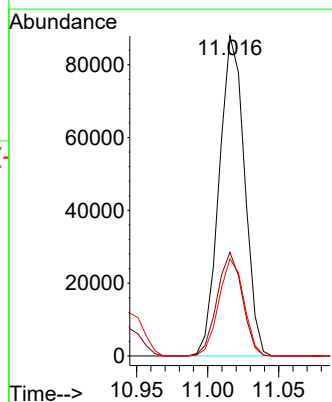
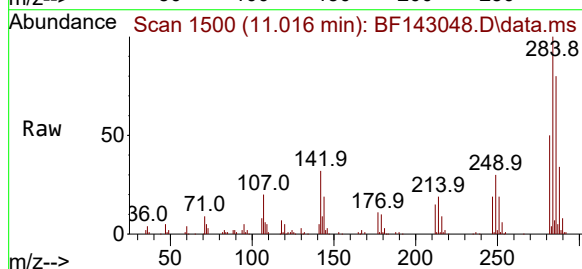
Instrument :
BNA_F
ClientSampleId :
SSTDCCC040

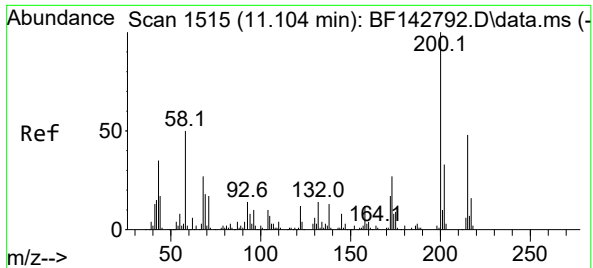
Tgt Ion:248 Resp: 100240
Ion Ratio Lower Upper
248 100
250 97.9 79.8 119.8
141 75.7 57.8 86.6



#68
Hexachlorobenzene
Concen: 39.445 ng
RT: 11.016 min Scan# 1500
Delta R.T. -0.006 min
Lab File: BF143048.D
Acq: 09 Jul 2025 10:52

Tgt Ion:284 Resp: 109033
Ion Ratio Lower Upper
284 100
142 32.4 25.5 38.3
249 30.4 24.9 37.3

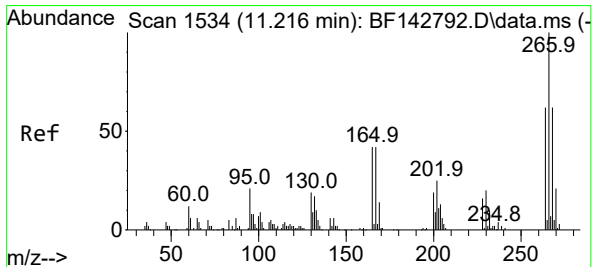
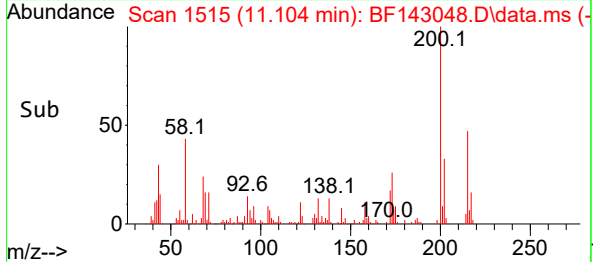
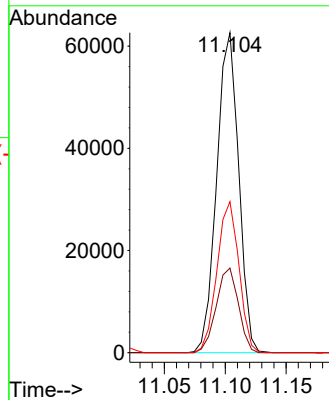
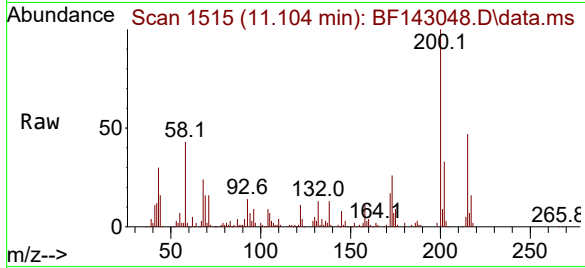




#69
Atrazine
Concen: 40.271 ng
RT: 11.104 min Scan# 1515
Delta R.T. 0.000 min
Lab File: BF143048.D
Acq: 09 Jul 2025 10:52

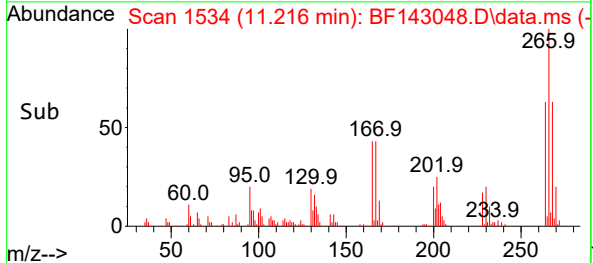
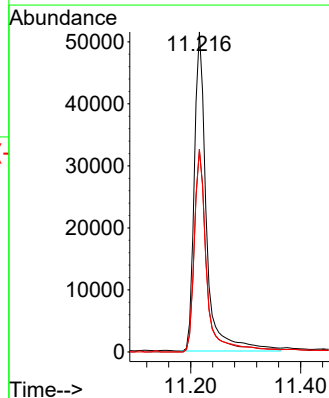
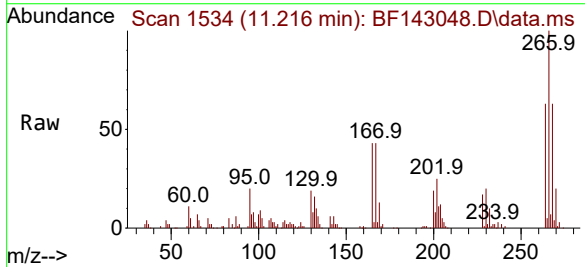
Instrument :
BNA_F
ClientSampleId :
SSTDCCC040

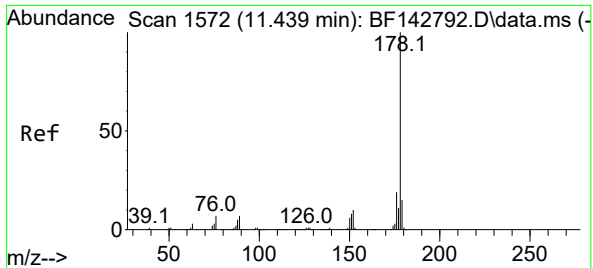
Tgt Ion	200	Resp:	78779
Ion Ratio	Lower	Upper	
200	100		
173	26.4	7.4	47.4
215	47.2	28.4	68.4



#70
Pentachlorophenol
Concen: 57.552 ng
RT: 11.216 min Scan# 1534
Delta R.T. 0.000 min
Lab File: BF143048.D
Acq: 09 Jul 2025 10:52

Tgt Ion	266	Resp:	79272
Ion Ratio	Lower	Upper	
266	100		
268	63.2	49.8	74.8
264	63.3	49.9	74.9





#71

Phenanthrene

Concen: 38.330 ng

RT: 11.433 min Scan# 1571

Delta R.T. -0.006 min

Lab File: BF143048.D

Acq: 09 Jul 2025 10:52

Instrument :

BNA_F

ClientSampleId :

SSTDCCC040

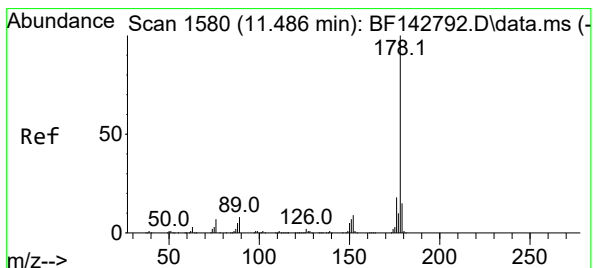
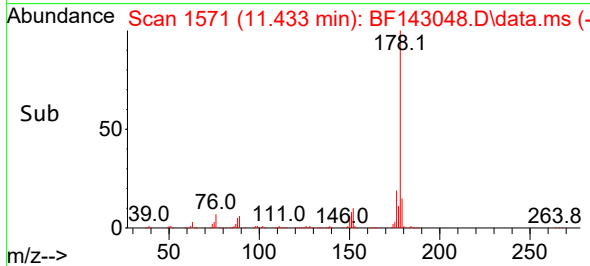
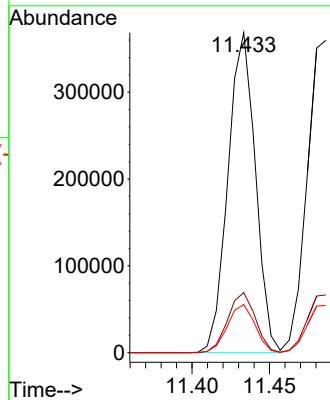
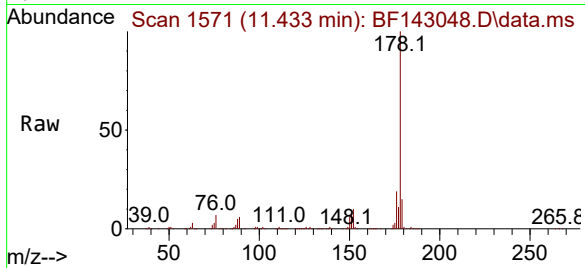
Tgt Ion:178 Resp: 453843

Ion Ratio Lower Upper

178 100

176 18.8 15.1 22.7

179 15.1 12.0 18.0



#72

Anthracene

Concen: 38.317 ng

RT: 11.486 min Scan# 1580

Delta R.T. 0.000 min

Lab File: BF143048.D

Acq: 09 Jul 2025 10:52

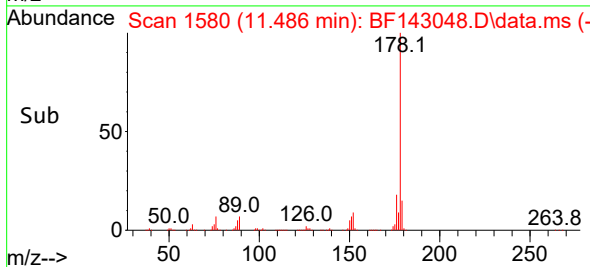
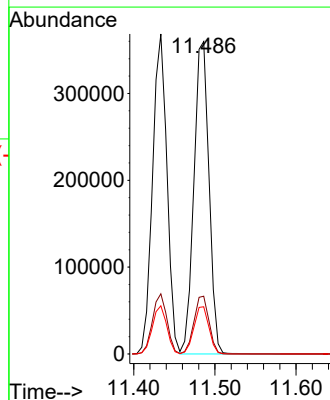
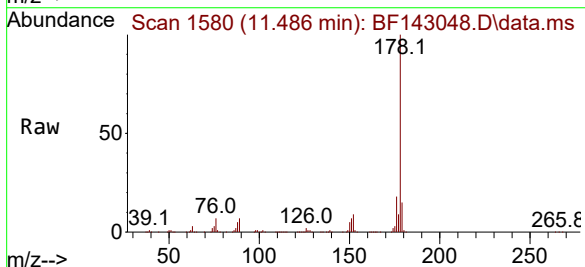
Tgt Ion:178 Resp: 465305

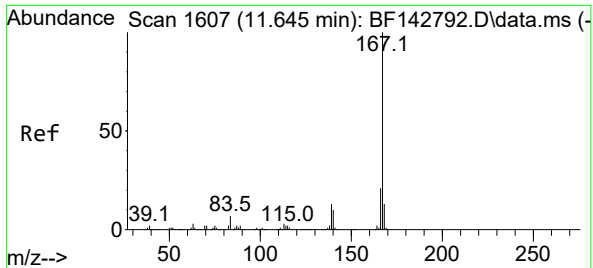
Ion Ratio Lower Upper

178 100

176 18.5 14.6 21.8

179 15.1 12.4 18.6

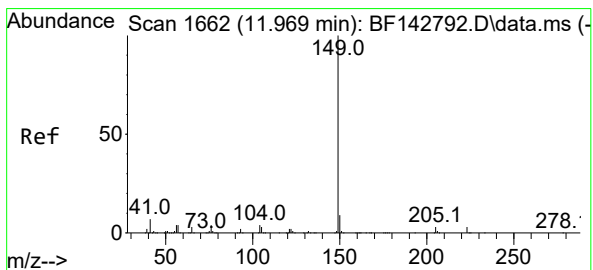
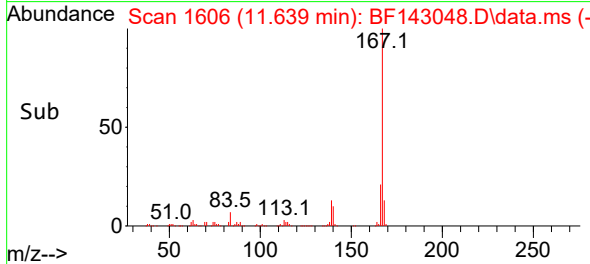
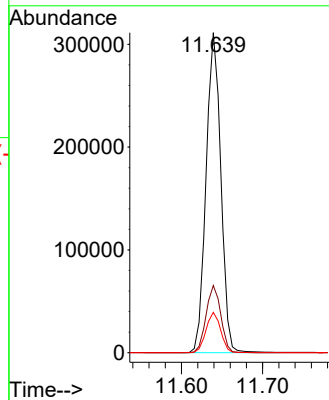
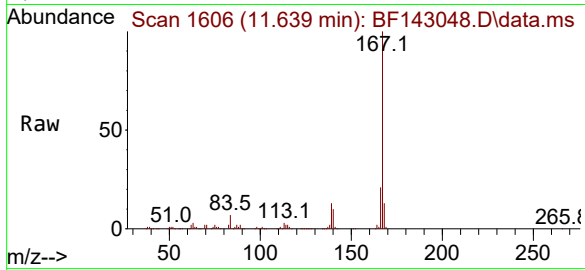




#73
 Carbazole
 Concen: 37.420 ng
 RT: 11.639 min Scan# 1606
 Delta R.T. -0.006 min
 Lab File: BF143048.D
 Acq: 09 Jul 2025 10:52

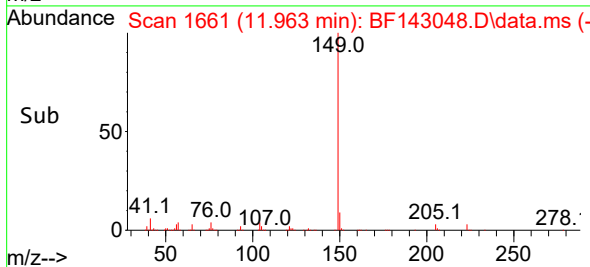
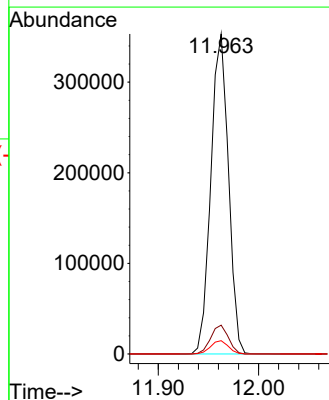
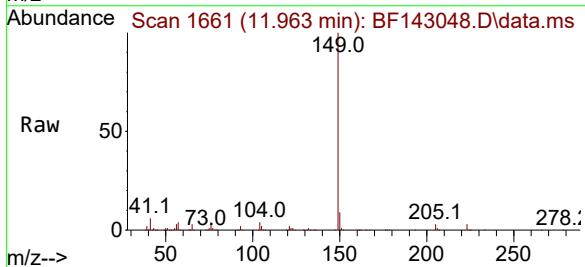
Instrument :
 BNA_F
 ClientSampleId :
 SSTDCCC040

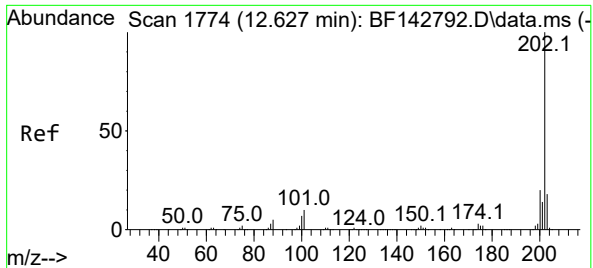
Tgt Ion:167 Resp: 392132
 Ion Ratio Lower Upper
 167 100
 166 21.0 17.0 25.4
 139 12.6 10.2 15.2



#74
 Di-n-butylphthalate
 Concen: 39.441 ng
 RT: 11.963 min Scan# 1661
 Delta R.T. -0.006 min
 Lab File: BF143048.D
 Acq: 09 Jul 2025 10:52

Tgt Ion:149 Resp: 430569
 Ion Ratio Lower Upper
 149 100
 150 9.0 7.4 11.0
 104 4.1 3.5 5.3

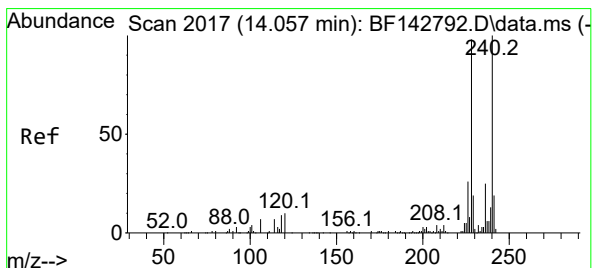
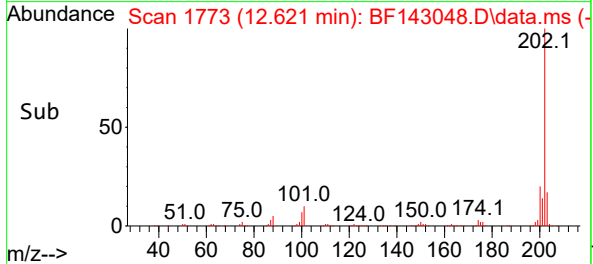
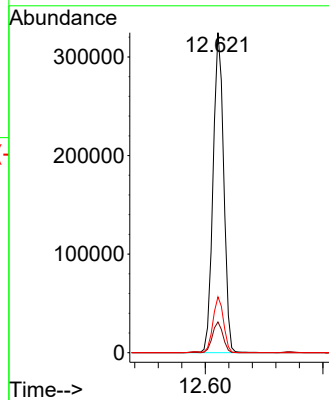
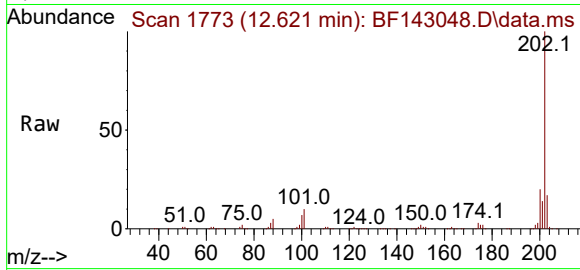




#75
Fluoranthene
Concen: 36.332 ng
RT: 12.621 min Scan# 1774
Delta R.T. -0.006 min
Lab File: BF143048.D
Acq: 09 Jul 2025 10:52

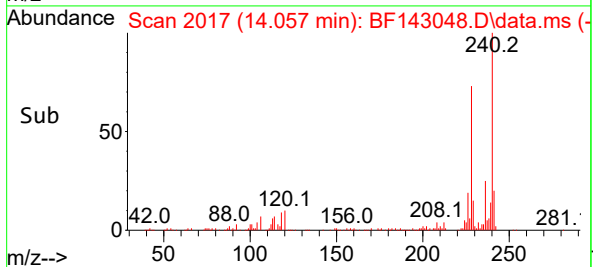
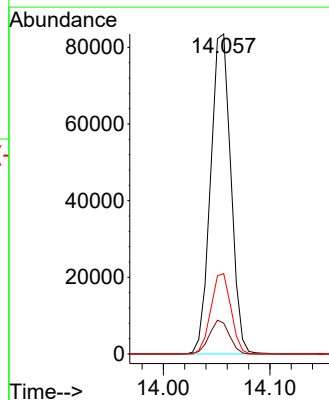
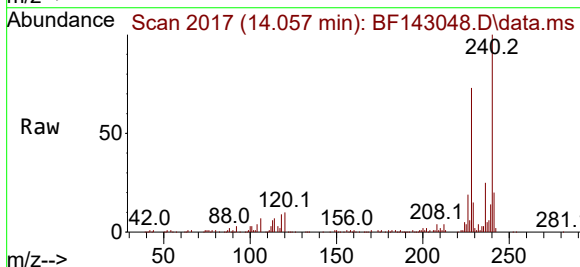
Instrument :
BNA_F
ClientSampleId :
SSTDCCC040

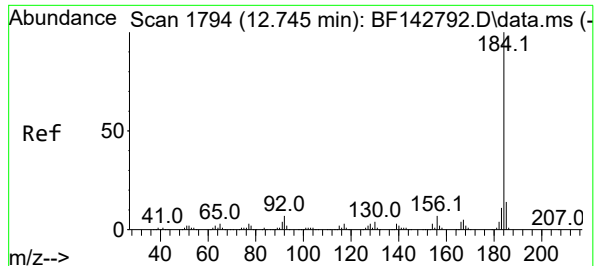
Tgt Ion:202 Resp: 408276
Ion Ratio Lower Upper
202 100
101 9.6 0.0 29.7
203 17.5 0.0 37.5



#76
Chrysene-d12
Concen: 20.000 ng
RT: 14.057 min Scan# 2017
Delta R.T. 0.000 min
Lab File: BF143048.D
Acq: 09 Jul 2025 10:52

Tgt Ion:240 Resp: 110392
Ion Ratio Lower Upper
240 100
120 9.6 8.2 12.2
236 25.1 19.8 29.8





#77

Benzidine

Concen: 49.331 ng

RT: 12.745 min Scan# 11

Delta R.T. 0.000 min

Lab File: BF143048.D

Acq: 09 Jul 2025 10:52

Instrument :

BNA_F

ClientSampleId :

SSTDCCC040

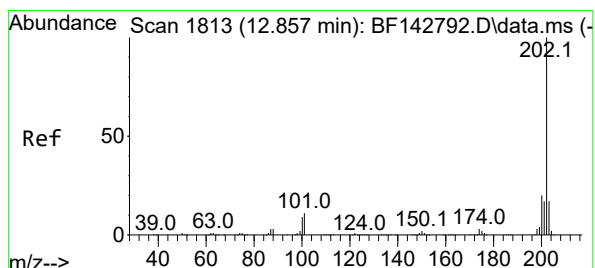
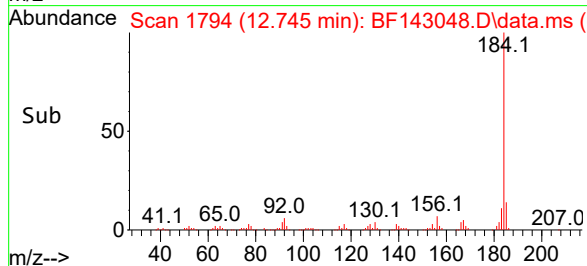
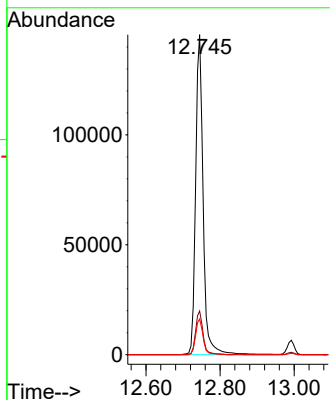
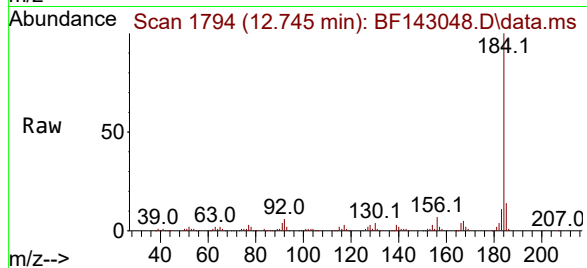
Tgt Ion:184 Resp: 204601

Ion Ratio Lower Upper

184 100

185 13.6 11.5 17.3

183 11.2 9.0 13.4



#78

Pyrene

Concen: 43.898 ng

RT: 12.851 min Scan# 1812

Delta R.T. -0.006 min

Lab File: BF143048.D

Acq: 09 Jul 2025 10:52

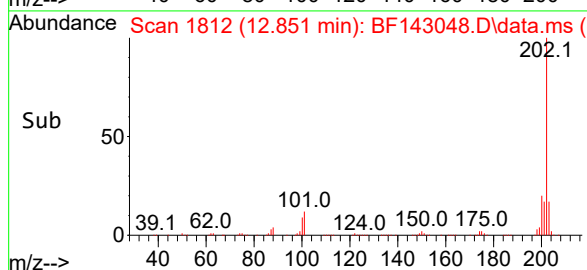
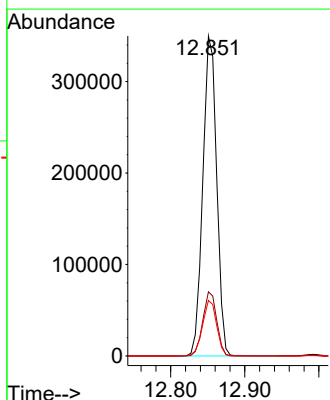
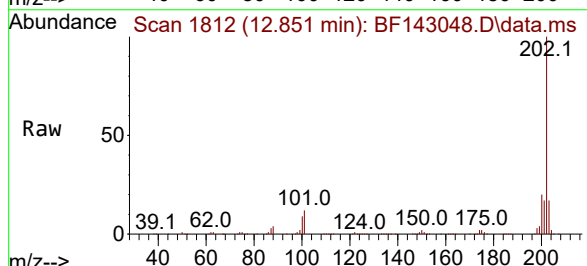
Tgt Ion:202 Resp: 454236

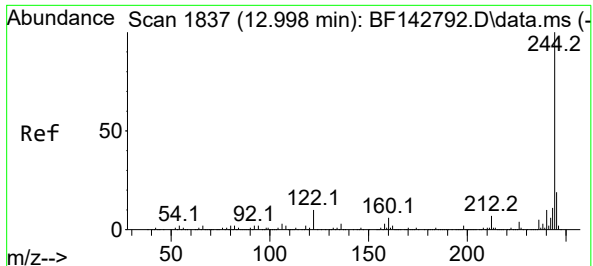
Ion Ratio Lower Upper

202 100

200 20.0 15.7 23.5

203 17.4 13.8 20.6





#79

Terphenyl-d14

Concen: 81.848 ng

RT: 12.992 min Scan# 1836

Delta R.T. -0.006 min

Lab File: BF143048.D

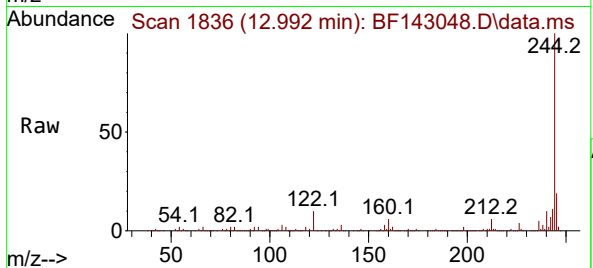
Acq: 09 Jul 2025 10:52

Instrument :

BNA_F

ClientSampleId :

SSTDCCC040



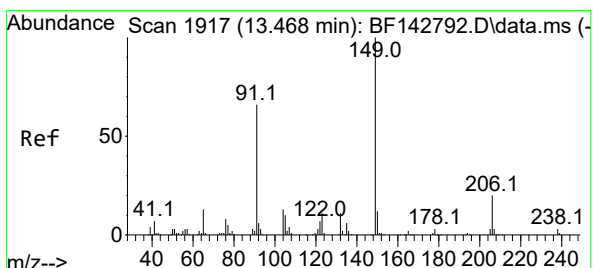
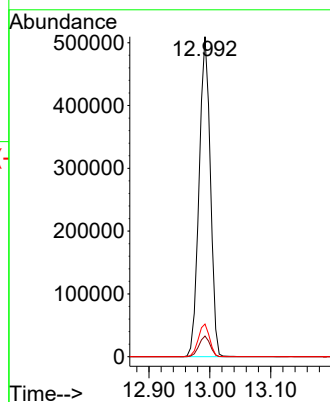
Tgt Ion:244 Resp: 653929

Ion Ratio Lower Upper

244 100

212 6.5 5.4 8.0

122 10.2 8.2 12.2



#80

Butylbenzylphthalate

Concen: 42.071 ng

RT: 13.463 min Scan# 1916

Delta R.T. -0.006 min

Lab File: BF143048.D

Acq: 09 Jul 2025 10:52

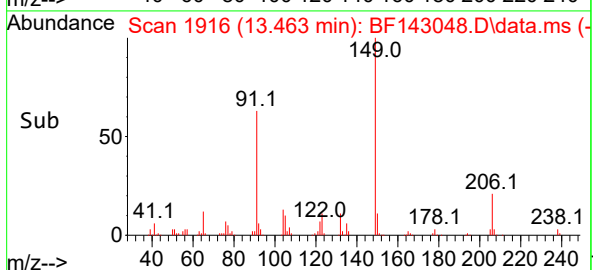
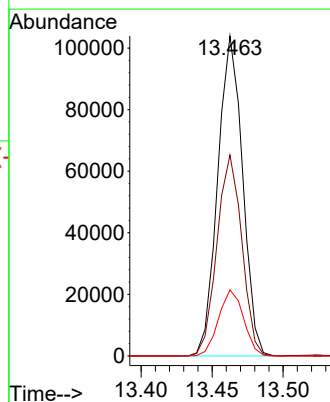
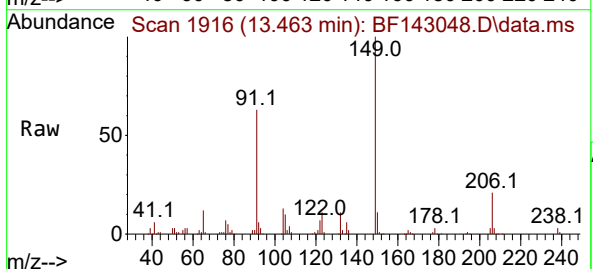
Tgt Ion:149 Resp: 126277

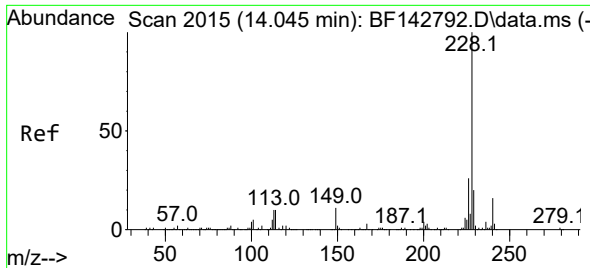
Ion Ratio Lower Upper

149 100

91 62.8 52.9 79.3

206 20.6 16.3 24.5

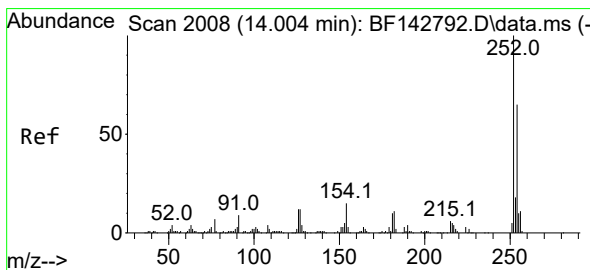
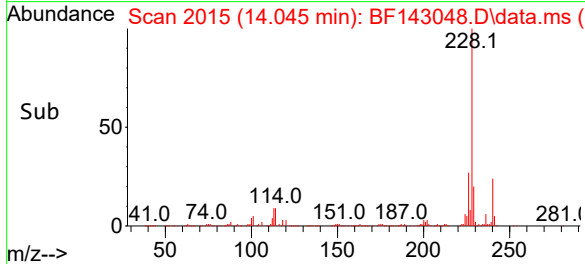
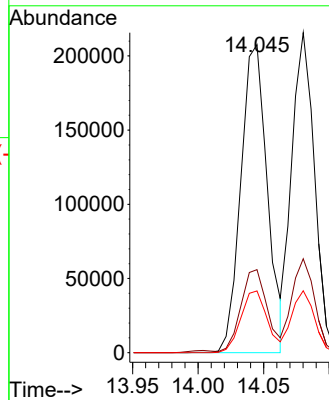
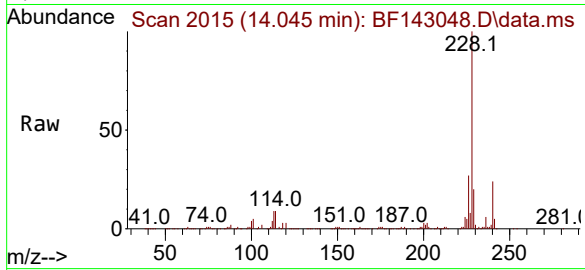




#81
Benzo(a)anthracene
Concen: 39.327 ng
RT: 14.045 min Scan# 2015
Delta R.T. 0.000 min
Lab File: BF143048.D
Acq: 09 Jul 2025 10:52

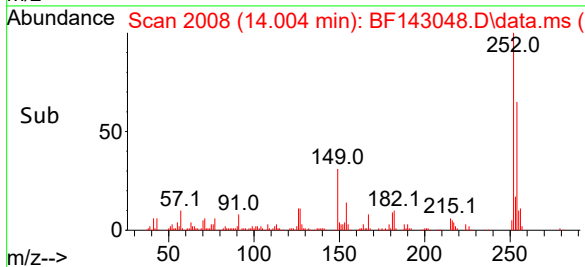
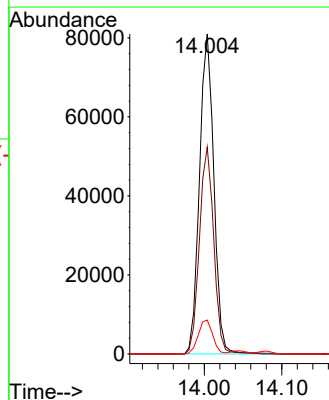
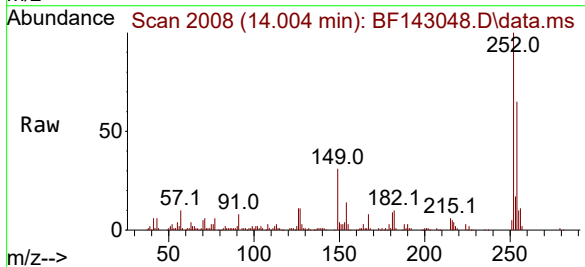
Instrument :
BNA_F
ClientSampleId :
SSTDCCC040

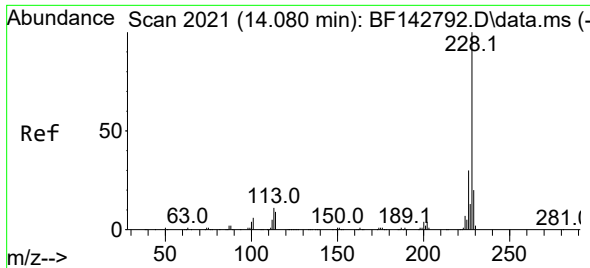
Tgt Ion:228 Resp: 292876
Ion Ratio Lower Upper
228 100
226 27.0 21.2 31.8
229 20.0 15.6 23.4



#82
3,3'-Dichlorobenzidine
Concen: 43.151 ng
RT: 14.004 min Scan# 2008
Delta R.T. 0.000 min
Lab File: BF143048.D
Acq: 09 Jul 2025 10:52

Tgt Ion:252 Resp: 104231
Ion Ratio Lower Upper
252 100
254 64.6 51.7 77.5
126 10.6 9.4 14.2





#83

Chrysene

Concen: 39.162 ng

RT: 14.080 min Scan# 20

Delta R.T. 0.000 min

Lab File: BF143048.D

Acq: 09 Jul 2025 10:52

Instrument :

BNA_F

ClientSampleId :

SSTDCCC040

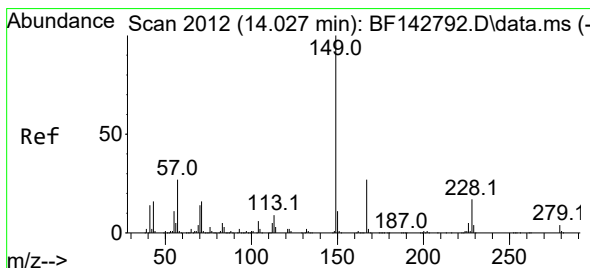
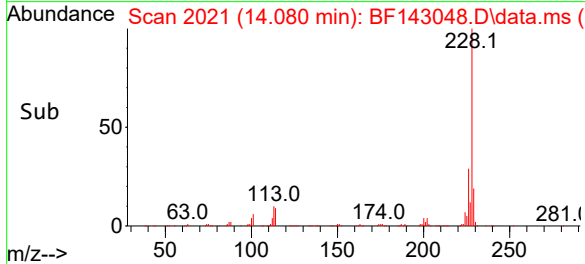
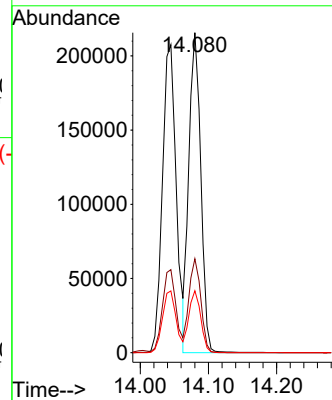
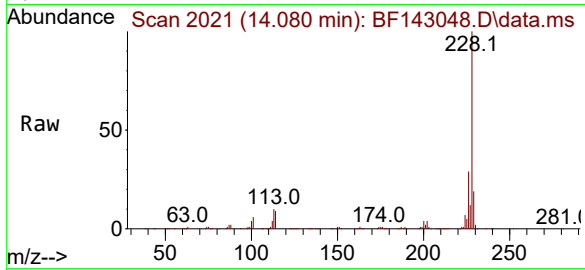
Tgt Ion:228 Resp: 260242

Ion Ratio Lower Upper

228 100

226 29.4 23.7 35.5

229 19.3 15.7 23.5



#84

Bis(2-ethylhexyl)phthalate

Concen: 45.039 ng

RT: 14.021 min Scan# 2011

Delta R.T. -0.006 min

Lab File: BF143048.D

Acq: 09 Jul 2025 10:52

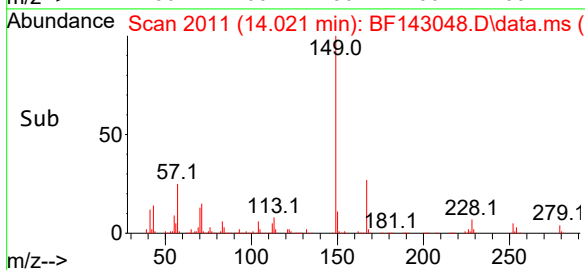
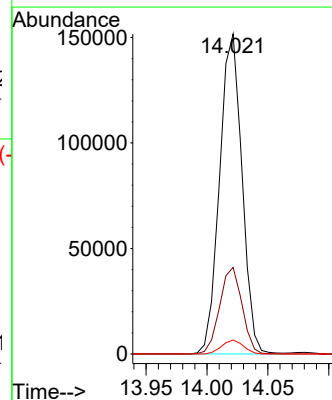
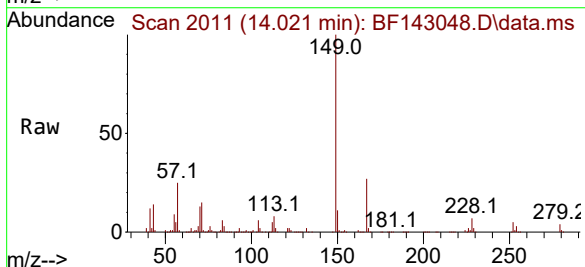
Tgt Ion:149 Resp: 194503

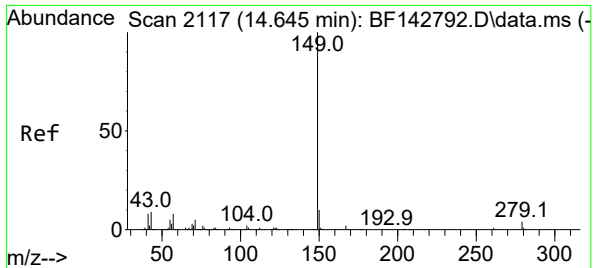
Ion Ratio Lower Upper

149 100

167 27.1 21.4 32.0

279 4.3 3.0 4.6

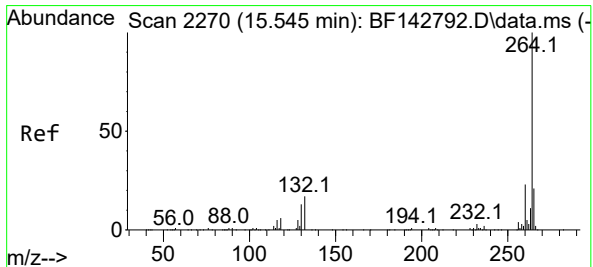
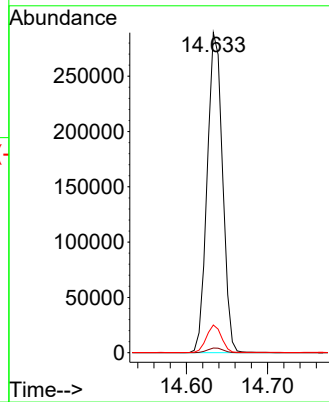
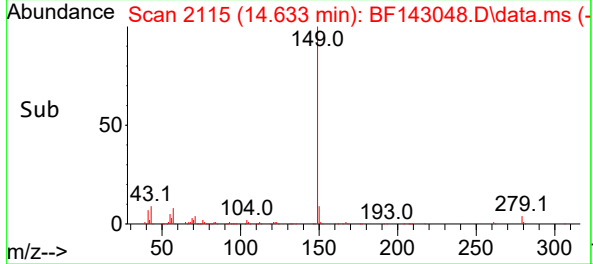
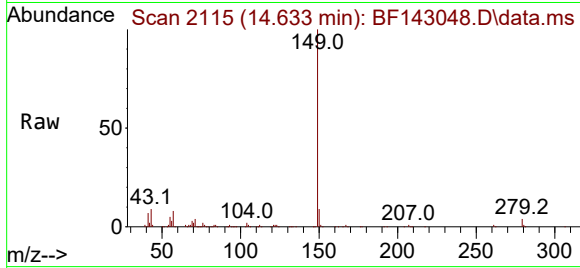




#85
Di-n-octyl phthalate
Concen: 46.544 ng
RT: 14.633 min Scan# 2115
Delta R.T. -0.012 min
Lab File: BF143048.D
Acq: 09 Jul 2025 10:52

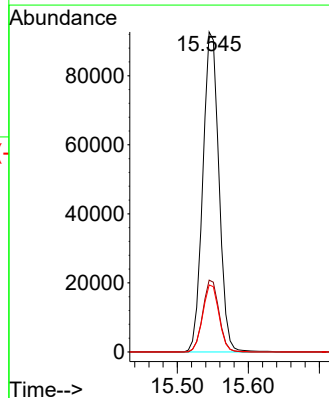
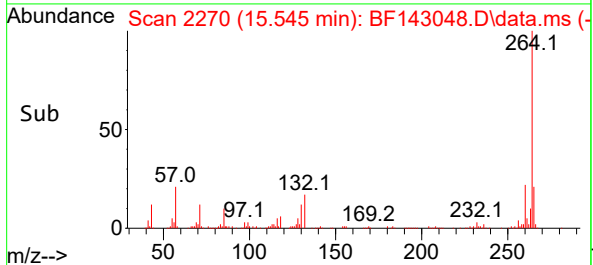
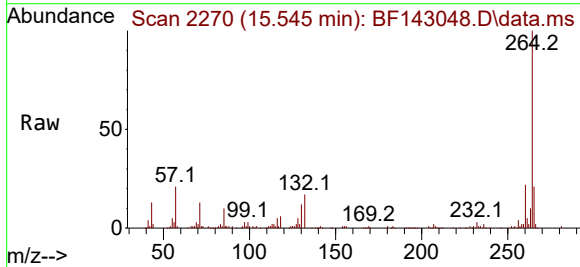
Instrument :
BNA_F
ClientSampleId :
SSTDCCC040

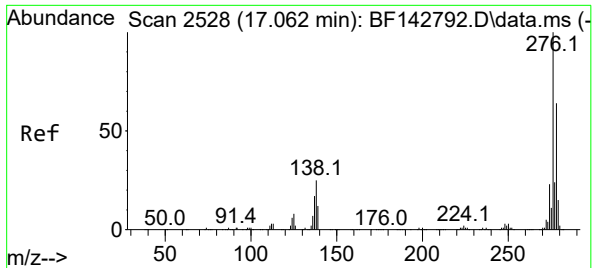
Tgt Ion	Ratio	Lower	Upper
149	100		
167	1.5	1.3	1.9
43	8.4	7.6	11.4



#86
Perylene-d12
Concen: 20.000 ng
RT: 15.545 min Scan# 2270
Delta R.T. 0.000 min
Lab File: BF143048.D
Acq: 09 Jul 2025 10:52

Tgt Ion	Ratio	Lower	Upper
264	100		
260	22.5	18.1	27.1
265	21.0	16.6	25.0





#87

Indeno(1,2,3-cd)pyrene

Concen: 38.135 ng

RT: 17.074 min Scan# 2196

Delta R.T. 0.012 min

Lab File: BF143048.D

Acq: 09 Jul 2025 10:52

Instrument :

BNA_F

ClientSampleId :

SSTDCCC040

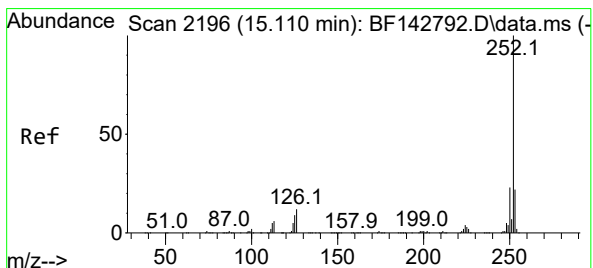
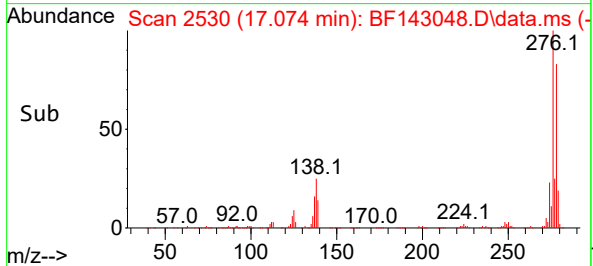
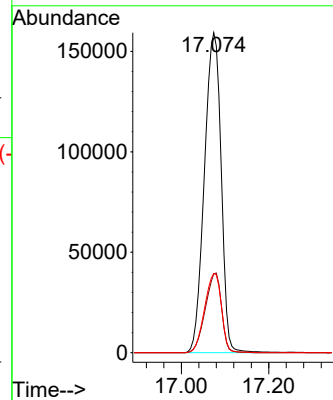
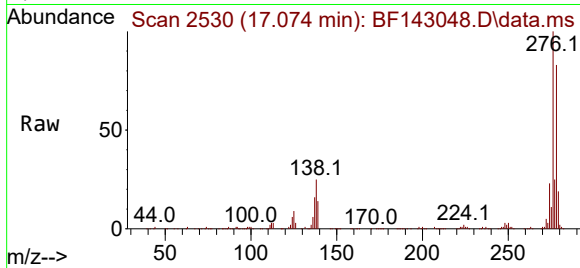
Tgt Ion:276 Resp: 424870

Ion Ratio Lower Upper

276 100

138 24.1 20.2 30.4

277 24.9 19.8 29.6



#88

Benzo(b)fluoranthene

Concen: 38.041 ng

RT: 15.110 min Scan# 2196

Delta R.T. 0.000 min

Lab File: BF143048.D

Acq: 09 Jul 2025 10:52

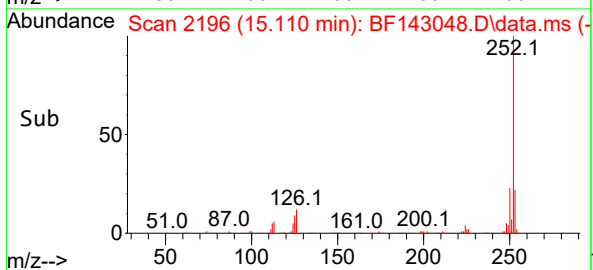
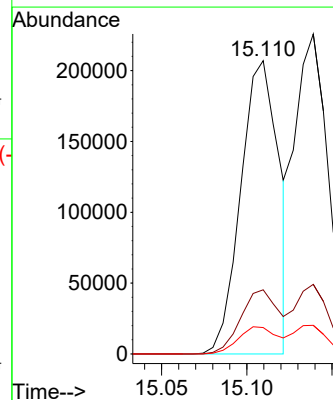
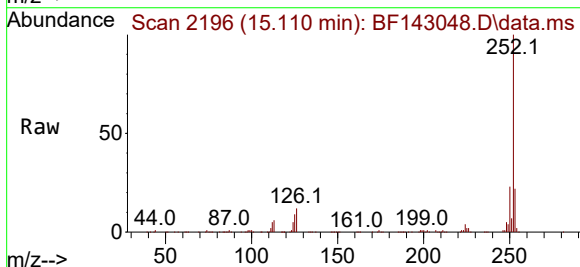
Tgt Ion:252 Resp: 321973

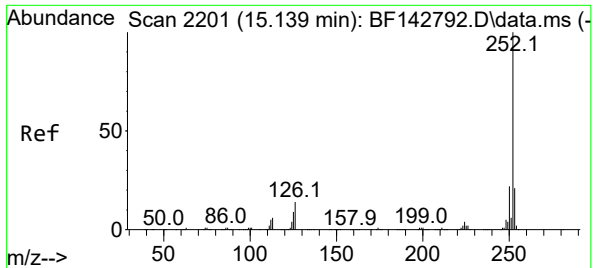
Ion Ratio Lower Upper

252 100

253 21.9 17.5 26.3

125 9.0 7.4 11.0





#89

Benzo(k)fluoranthene

Concen: 39.092 ng

RT: 15.139 min Scan# 21

Delta R.T. 0.000 min

Lab File: BF143048.D

Acq: 09 Jul 2025 10:52

Instrument :

BNA_F

ClientSampleId :

SSTDCCC040

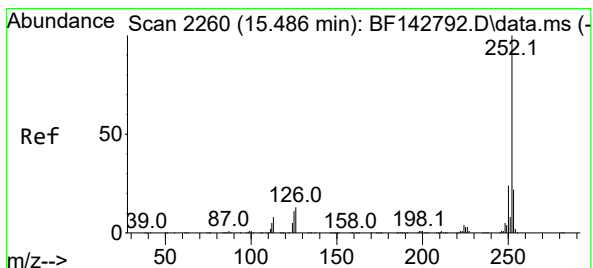
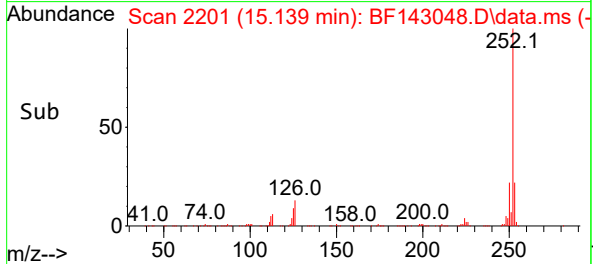
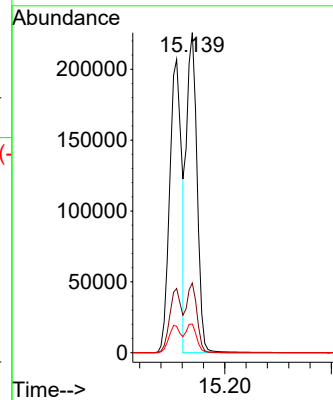
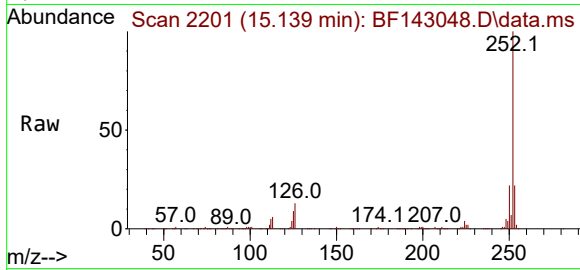
Tgt Ion:252 Resp: 309552

Ion Ratio Lower Upper

252 100

253 21.7 17.2 25.8

125 9.0 7.4 11.2



#90

Benzo(a)pyrene

Concen: 38.867 ng

RT: 15.486 min Scan# 2260

Delta R.T. 0.000 min

Lab File: BF143048.D

Acq: 09 Jul 2025 10:52

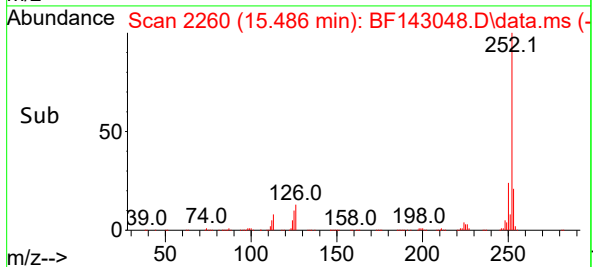
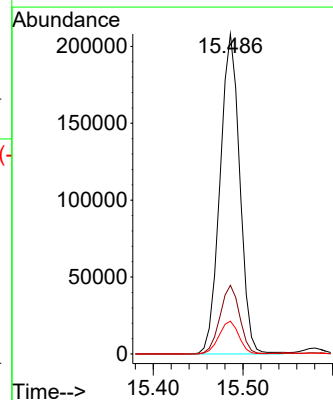
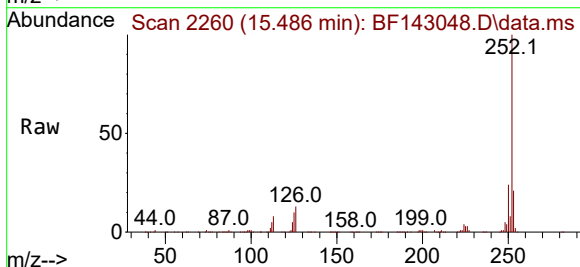
Tgt Ion:252 Resp: 317799

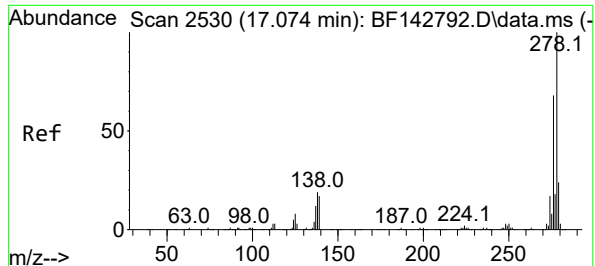
Ion Ratio Lower Upper

252 100

253 21.4 17.5 26.3

125 10.2 8.6 12.8





#91

Dibenzo(a,h)anthracene

Concen: 38.156 ng

RT: 17.086 min Scan# 21

Delta R.T. 0.012 min

Lab File: BF143048.D

Acq: 09 Jul 2025 10:52

Instrument :

BNA_F

ClientSampleId :

SSTDCCC040

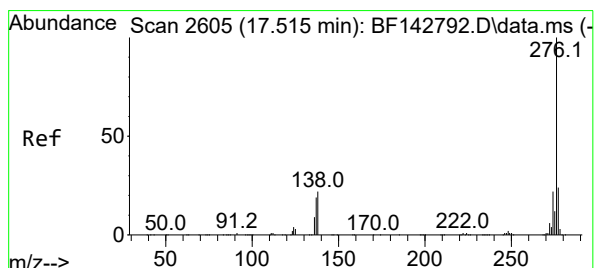
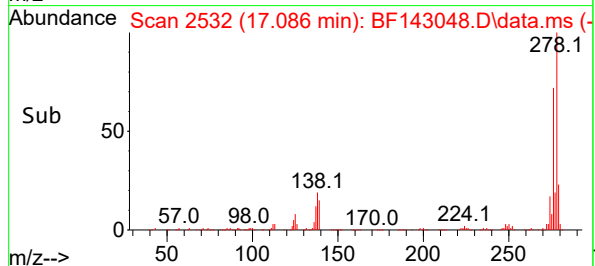
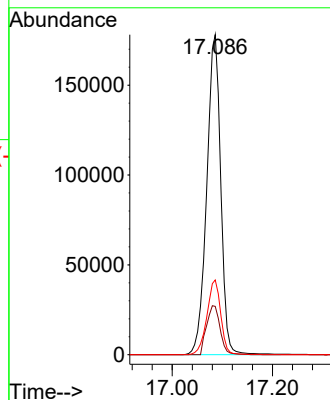
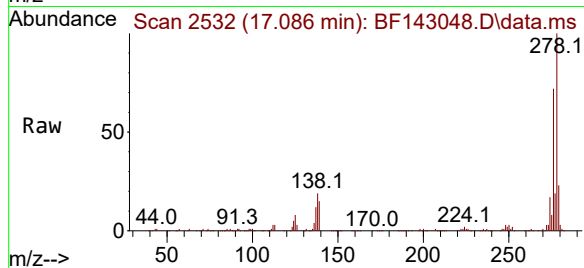
Tgt Ion:278 Resp: 345409

Ion Ratio Lower Upper

278 100

139 15.1 13.5 20.3

279 23.4 18.8 28.2



#92

Benzo(g,h,i)perylene

Concen: 37.626 ng

RT: 17.533 min Scan# 2608

Delta R.T. 0.018 min

Lab File: BF143048.D

Acq: 09 Jul 2025 10:52

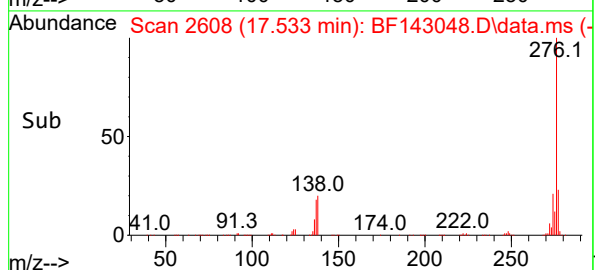
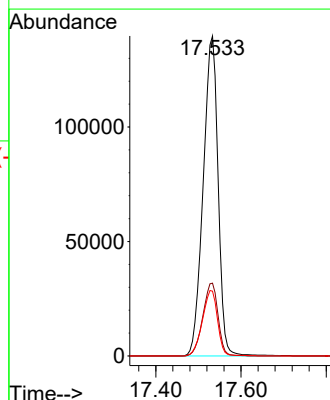
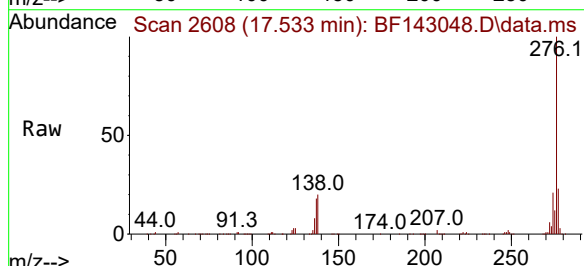
Tgt Ion:276 Resp: 339644

Ion Ratio Lower Upper

276 100

277 22.8 18.8 28.2

138 20.2 17.6 26.4



Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF070925\
 Data File : BF143048.D
 Acq On : 09 Jul 2025 10:52
 Operator : RC/JU
 Sample : SSTDCCC040
 Misc :
 ALS Vial : 2 Sample Multiplier: 1

Instrument :
 BNA_F
 LabSampleId :
 SSTDCCC040

Quant Time: Jul 09 11:29:32 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	0.441	8.1	76	-0.02
3	Pyridine	1.205	1.127	6.5	77	-0.02
4	n-Nitrosodimethylamine	0.623	0.569	8.7	76	-0.01
5 S	2-Fluorophenol	1.201	1.190	0.9	82	0.00
6	Aniline	1.886	1.830	3.0	80	0.00
7 S	Phenol-d6	1.417	1.399	1.3	83	0.00
8	2-Chlorophenol	1.296	1.293	0.2	83	0.00
9	Benzaldehyde	0.841	0.917	-9.0	96	0.00
10 C	Phenol	1.575	1.548	1.7	81	0.00
11	bis(2-Chloroethyl)ether	1.126	1.113	1.2	83	0.00
12	1,3-Dichlorobenzene	1.449	1.426	1.6	82	0.00
13 C	1,4-Dichlorobenzene	1.462	1.445	1.2	82	0.00
14	1,2-Dichlorobenzene	1.387	1.367	1.4	82	0.00
15	Benzyl Alcohol	1.025	1.032	-0.7	84	0.00
16	2,2'-oxybis(1-Chloropropane	1.809	1.636	9.6	76	-0.01
17	2-Methylphenol	0.982	0.968	1.4	82	0.00
18	Hexachloroethane	0.511	0.503	1.6	80	0.00
19 P	n-Nitroso-di-n-propylamine	0.824	0.819	0.6	83	0.00
20	3+4-Methylphenols	1.224	1.238	-1.1	84	0.00
21 I	Naphthalene-d8	1.000	1.000	0.0	82	-0.01
22	Acetophenone	0.441	0.435	1.4	85	0.00
23 S	Nitrobenzene-d5	0.365	0.383	-4.9	89	0.00
24	Nitrobenzene	0.330	0.321	2.7	83	0.00
25	Isophorone	0.585	0.566	3.2	84	0.00
26 C	2-Nitrophenol	0.180	0.180	0.0	83	0.00
27	2,4-Dimethylphenol	0.311	0.298	4.2	82	0.00
28	bis(2-Chloroethoxy)methane	0.372	0.364	2.2	84	0.00
29 C	2,4-Dichlorophenol	0.282	0.277	1.8	83	0.00
30	1,2,4-Trichlorobenzene	0.310	0.302	2.6	83	0.00
31	Naphthalene	0.979	0.942	3.8	83	0.00
32	Benzoic acid	0.159	0.136	14.5	71	0.02
33	4-Chloroaniline	0.398	0.385	3.3	84	0.00
34 C	Hexachlorobutadiene	0.190	0.187	1.6	84	-0.01
35	Caprolactam	0.075	0.073	2.7	84	0.00
36 C	4-Chloro-3-methylphenol	0.281	0.274	2.5	84	0.00
37	2-Methylnaphthalene	0.607	0.598	1.5	85	-0.01
38	1-Methylnaphthalene	0.628	0.608	3.2	84	-0.01
39 I	Acenaphthene-d10	1.000	1.000	0.0	83	0.00
40	1,2,4,5-Tetrachlorobenzene	0.590	0.572	3.1	86	0.00
41 P	Hexachlorocyclopentadiene	0.335	0.341	-1.8	85	-0.01
42 S	2,4,6-Tribromophenol	0.206	0.202	1.9	84	0.00
43 C	2,4,6-Trichlorophenol	0.385	0.356	7.5	81	0.00
44	2,4,5-Trichlorophenol	0.405	0.379	6.4	81	0.00
45 S	2-Fluorobiphenyl	1.522	1.555	-2.2	91	-0.01
46	1,1'-Biphenyl	1.580	1.532	3.0	85	0.00
47	2-Chloronaphthalene	1.186	1.134	4.4	84	0.00

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF070925\
 Data File : BF143048.D
 Acq On : 09 Jul 2025 10:52
 Operator : RC/JU
 Sample : SSTDCCC040
 Misc :
 ALS Vial : 2 Sample Multiplier: 1

Instrument :
 BNA_F
 LabSampleId :
 SSTDCCC040

Quant Time: Jul 09 11:29:32 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	0.317	4.5	81	0.00
49	Acenaphthylene	1.952	1.863	4.6	83	0.00
50	Dimethylphthalate	1.295	1.268	2.1	86	0.00
51	2,6-Dinitrotoluene	0.284	0.281	1.1	84	0.00
52 C	Acenaphthene	1.191	1.172	1.6	86	0.00
53	3-Nitroaniline	0.313	0.292	6.7	81	0.00
54 P	2,4-Dinitrophenol	0.142	0.173	-21.8	102	0.00
55	Dibenzofuran	1.708	1.630	4.6	84	0.00
56 P	4-Nitrophenol	0.214	0.250	-16.8	100	0.01
57	2,4-Dinitrotoluene	0.378	0.375	0.8	85	0.00
58	Fluorene	1.334	1.292	3.1	85	0.00
59	2,3,4,6-Tetrachlorophenol	0.326	0.318	2.5	85	0.00
60	Diethylphthalate	1.269	1.231	3.0	85	0.00
61	4-Chlorophenyl-phenylether	0.636	0.620	2.5	86	0.00
62	4-Nitroaniline	0.286	0.271	5.2	83	0.00
63	Azobenzene	1.134	1.077	5.0	83	0.00
64 I	Phenanthrene-d10	1.000	1.000	0.0	83	0.00
65	4,6-Dinitro-2-methylphenol	0.121	0.118	2.5	82	0.00
66 c	n-Nitrosodiphenylamine	0.693	0.678	2.2	84	0.00
67	4-Bromophenyl-phenylether	0.228	0.229	-0.4	87	-0.01
68	Hexachlorobenzene	0.253	0.249	1.6	86	0.00
69	Atrazine	0.179	0.180	-0.6	86	0.00
70 C	Pentachlorophenol	0.126	0.181	-43.7#	120	0.00
71	Phenanthrene	1.083	1.038	4.2	84	0.00
72	Anthracene	1.111	1.064	4.2	83	0.00
73	Carbazole	0.959	0.897	6.5	83	0.00
74	Di-n-butylphthalate	0.999	0.985	1.4	86	0.00
75 C	Fluoranthene	1.028	0.934	9.1	81	0.00
76 I	Chrysene-d12	1.000	1.000	0.0	77	0.00
77	Benzidine	0.751	0.927	-23.4	93	0.00
78	Pyrene	1.875	2.057	-9.7	91	0.00
79 S	Terphenyl-d14	1.447	1.481	-2.3	86	0.00
80	Butylbenzylphthalate	0.544	0.572	-5.1	81	0.00
81	Benzo(a)anthracene	1.349	1.327	1.6	81	0.00
82	3,3'-Dichlorobenzidine	0.438	0.472	-7.8	85	0.00
83	Chrysene	1.204	1.179	2.1	78	0.00
84	Bis(2-ethylhexyl)phthalate	0.782	0.881	-12.7	85	0.00
85 c	Di-n-octyl phthalate	1.475	1.717	-16.4	91	-0.01
86 I	Perylene-d12	1.000	1.000	0.0	86	0.00
87	Indeno(1,2,3-cd)pyrene	1.523	1.452	4.7	85	0.01
88	Benzo(b)fluoranthene	1.157	1.101	4.8	88	0.00
89	Benzo(k)fluoranthene	1.083	1.058	2.3	88	0.00
90 C	Benzo(a)pyrene	1.118	1.086	2.9	87	0.00
91	Dibenzo(a,h)anthracene	1.238	1.181	4.6	86	0.01
92	Benzo(g,h,i)perylene	1.234	1.161	5.9	84	0.02

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF070925\
Data File : BF143048.D
Acq On : 09 Jul 2025 10:52
Operator : RC/JU
Sample : SSTDCCC040
Misc :
ALS Vial : 2 Sample Multiplier: 1

Instrument :
BNA_F
LabSampleId :
SSTDCCC040

Quant Time: Jul 09 11:29:32 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\BF070925\
 Data File : BF143048.D
 Acq On : 09 Jul 2025 10:52
 Operator : RC/JU
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 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Tue Jun 24 05:28:21 2025
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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	80	0.00
2	1,4-Dioxane	40.000	36.693	8.3	76	-0.02
3	Pyridine	40.000	37.436	6.4	77	-0.02
4	n-Nitrosodimethylamine	40.000	36.533	8.7	76	-0.01
5 S	2-Fluorophenol	80.000	79.269	0.9	82	0.00
6	Aniline	40.000	38.827	2.9	80	0.00
7 S	Phenol-d6	80.000	78.945	1.3	83	0.00
8	2-Chlorophenol	40.000	39.915	0.2	83	0.00
9	Benzaldehyde	40.000	43.636	-9.1	96	0.00
10 C	Phenol	40.000	39.308	1.7	81	0.00
11	bis(2-Chloroethyl)ether	40.000	39.529	1.2	83	0.00
12	1,3-Dichlorobenzene	40.000	39.370	1.6	82	0.00
13 C	1,4-Dichlorobenzene	40.000	39.530	1.2	82	0.00
14	1,2-Dichlorobenzene	40.000	39.426	1.4	82	0.00
15	Benzyl Alcohol	40.000	40.276	-0.7	84	0.00
16	2,2'-oxybis(1-Chloropropane	40.000	36.167	9.6	76	-0.01
17	2-Methylphenol	40.000	39.442	1.4	82	0.00
18	Hexachloroethane	40.000	39.381	1.5	80	0.00
19 P	n-Nitroso-di-n-propylamine	40.000	39.730	0.7	83	0.00
20	3+4-Methylphenols	40.000	40.452	-1.1	84	0.00
21 I	Naphthalene-d8	20.000	20.000	0.0	82	-0.01
22	Acetophenone	40.000	39.455	1.4	85	0.00
23 S	Nitrobenzene-d5	80.000	84.131	-5.2	89	0.00
24	Nitrobenzene	40.000	38.894	2.8	83	0.00
25	Isophorone	40.000	38.685	3.3	84	0.00
26 C	2-Nitrophenol	40.000	39.996	0.0	83	0.00
27	2,4-Dimethylphenol	40.000	38.323	4.2	82	0.00
28	bis(2-Chloroethoxy)methane	40.000	39.139	2.2	84	0.00
29 C	2,4-Dichlorophenol	40.000	39.186	2.0	83	0.00
30	1,2,4-Trichlorobenzene	40.000	38.924	2.7	83	0.00
31	Naphthalene	40.000	38.510	3.7	83	0.00
32	Benzoic acid	40.000	34.368	14.1	71	0.02
33	4-Chloroaniline	40.000	38.729	3.2	84	0.00
34 C	Hexachlorobutadiene	40.000	39.459	1.4	84	-0.01
35	Caprolactam	40.000	39.295	1.8	84	0.00
36 C	4-Chloro-3-methylphenol	40.000	39.110	2.2	84	0.00
37	2-Methylnaphthalene	40.000	39.399	1.5	85	-0.01
38	1-Methylnaphthalene	40.000	38.726	3.2	84	-0.01
39 I	Acenaphthene-d10	20.000	20.000	0.0	83	0.00
40	1,2,4,5-Tetrachlorobenzene	40.000	38.800	3.0	86	0.00
41 P	Hexachlorocyclopentadiene	40.000	40.772	-1.9	85	-0.01
42 S	2,4,6-Tribromophenol	80.000	78.425	2.0	84	0.00
43 C	2,4,6-Trichlorophenol	40.000	37.080	7.3	81	0.00
44	2,4,5-Trichlorophenol	40.000	37.440	6.4	81	0.00
45 S	2-Fluorobiphenyl	80.000	81.687	-2.1	91	-0.01
46	1,1'-Biphenyl	40.000	38.796	3.0	85	0.00
47	2-Chloronaphthalene	40.000	38.255	4.4	84	0.00

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF070925\
 Data File : BF143048.D
 Acq On : 09 Jul 2025 10:52
 Operator : RC/JU
 Sample : SSTDCCC040
 Misc :
 ALS Vial : 2 Sample Multiplier: 1

Instrument :
 BNA_F
 LabSampleId :
 SSTDCCC040

Quant Time: Jul 09 11:29:32 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	38.099	4.8	81	0.00
49	Acenaphthylene	40.000	38.176	4.6	83	0.00
50	Dimethylphthalate	40.000	39.177	2.1	86	0.00
51	2,6-Dinitrotoluene	40.000	39.500	1.3	84	0.00
52 C	Acenaphthene	40.000	39.371	1.6	86	0.00
53	3-Nitroaniline	40.000	37.342	6.6	81	0.00
54 P	2,4-Dinitrophenol	40.000	48.583	-21.5	102	0.00
55	Dibenzofuran	40.000	38.190	4.5	84	0.00
56 P	4-Nitrophenol	40.000	46.654	-16.6	100	0.01
57	2,4-Dinitrotoluene	40.000	39.687	0.8	85	0.00
58	Fluorene	40.000	38.743	3.1	85	0.00
59	2,3,4,6-Tetrachlorophenol	40.000	39.043	2.4	85	0.00
60	Diethylphthalate	40.000	38.796	3.0	85	0.00
61	4-Chlorophenyl-phenylether	40.000	38.996	2.5	86	0.00
62	4-Nitroaniline	40.000	37.820	5.4	83	0.00
63	Azobenzene	40.000	37.983	5.0	83	0.00
64 I	Phenanthrene-d10	20.000	20.000	0.0	83	0.00
65	4,6-Dinitro-2-methylphenol	40.000	39.111	2.2	82	0.00
66 c	n-Nitrosodiphenylamine	40.000	39.109	2.2	84	0.00
67	4-Bromophenyl-phenylether	40.000	40.295	-0.7	87	-0.01
68	Hexachlorobenzene	40.000	39.445	1.4	86	0.00
69	Atrazine	40.000	40.271	-0.7	86	0.00
70 C	Pentachlorophenol	40.000	57.552	-43.9#	120	0.00
71	Phenanthrene	40.000	38.330	4.2	84	0.00
72	Anthracene	40.000	38.317	4.2	83	0.00
73	Carbazole	40.000	37.420	6.4	83	0.00
74	Di-n-butylphthalate	40.000	39.441	1.4	86	0.00
75 C	Fluoranthene	40.000	36.332	9.2	81	0.00
76 I	Chrysene-d12	20.000	20.000	0.0	77	0.00
77	Benzydine	40.000	49.331	-23.3	93	0.00
78	Pyrene	40.000	43.898	-9.7	91	0.00
79 S	Terphenyl-d14	80.000	81.848	-2.3	86	0.00
80	Butylbenzylphthalate	40.000	42.071	-5.2	81	0.00
81	Benzo(a)anthracene	40.000	39.327	1.7	81	0.00
82	3,3'-Dichlorobenzidine	40.000	43.151	-7.9	85	0.00
83	Chrysene	40.000	39.162	2.1	78	0.00
84	Bis(2-ethylhexyl)phthalate	40.000	45.039	-12.6	85	0.00
85 c	Di-n-octyl phthalate	40.000	46.544	-16.4	91	-0.01
86 I	Perylene-d12	20.000	20.000	0.0	86	0.00
87	Indeno(1,2,3-cd)pyrene	40.000	38.135	4.7	85	0.01
88	Benzo(b)fluoranthene	40.000	38.041	4.9	88	0.00
89	Benzo(k)fluoranthene	40.000	39.092	2.3	88	0.00
90 C	Benzo(a)pyrene	40.000	38.867	2.8	87	0.00
91	Dibenzo(a,h)anthracene	40.000	38.156	4.6	86	0.01
92	Benzo(g,h,i)perylene	40.000	37.626	5.9	84	0.02

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF070925\
Data File : BF143048.D
Acq On : 09 Jul 2025 10:52
Operator : RC/JU
Sample : SSTDCCC040
Misc :
ALS Vial : 2 Sample Multiplier: 1

Instrument :
BNA_F
LabSampleId :
SSTDCCC040

Quant Time: Jul 09 11:29:32 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



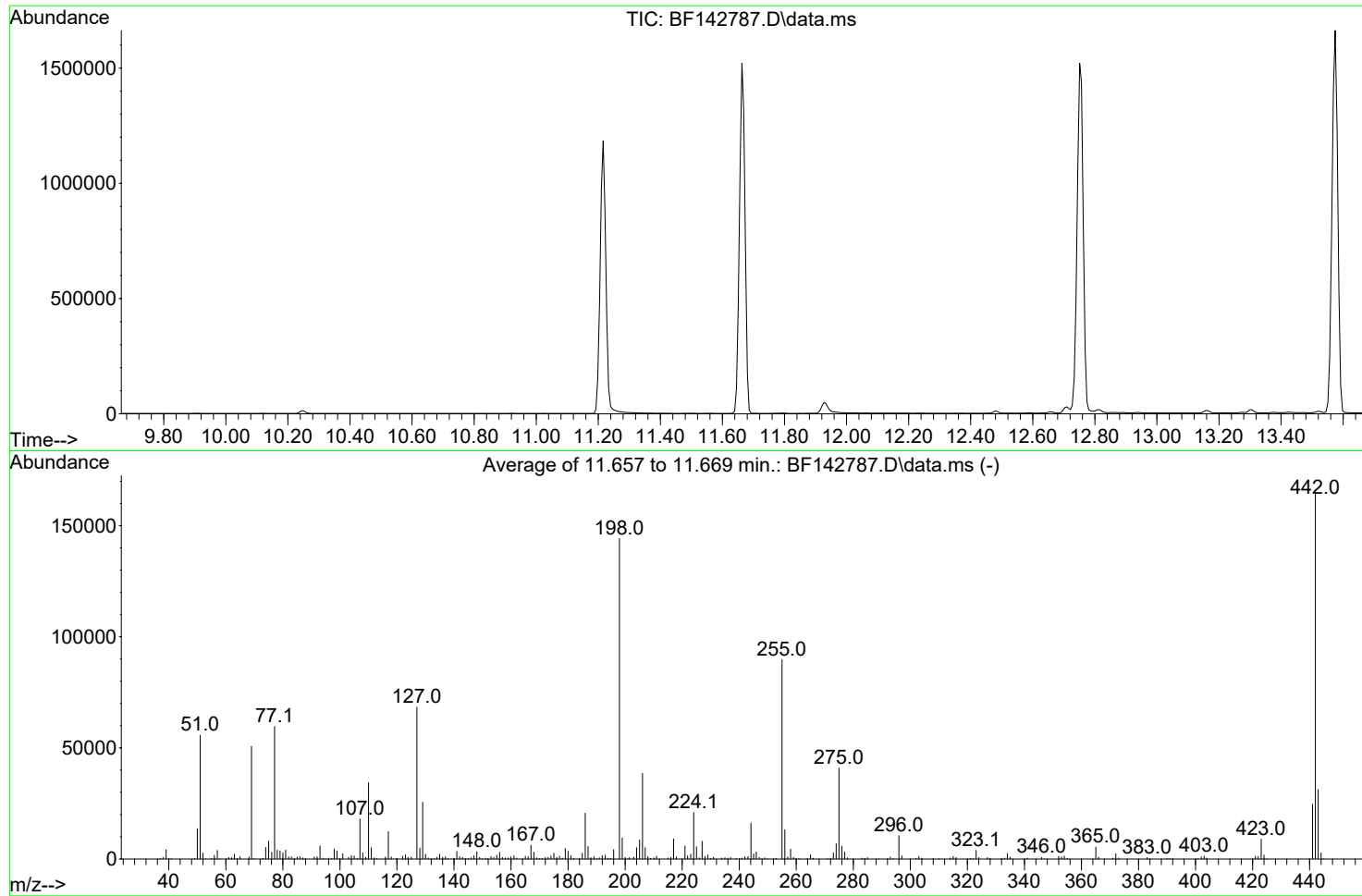
QC SAMPLE DATA

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

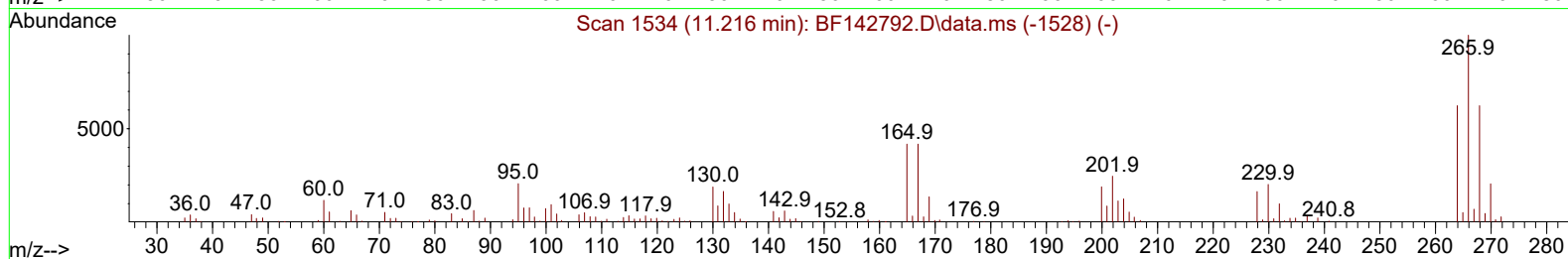
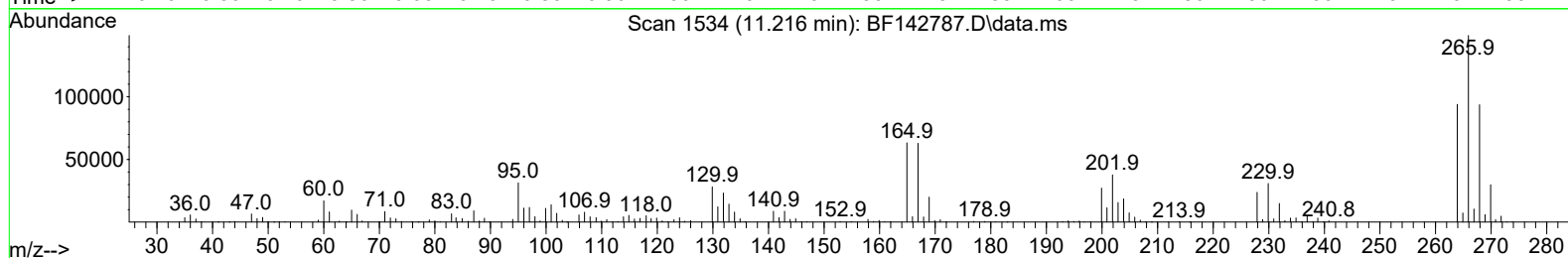
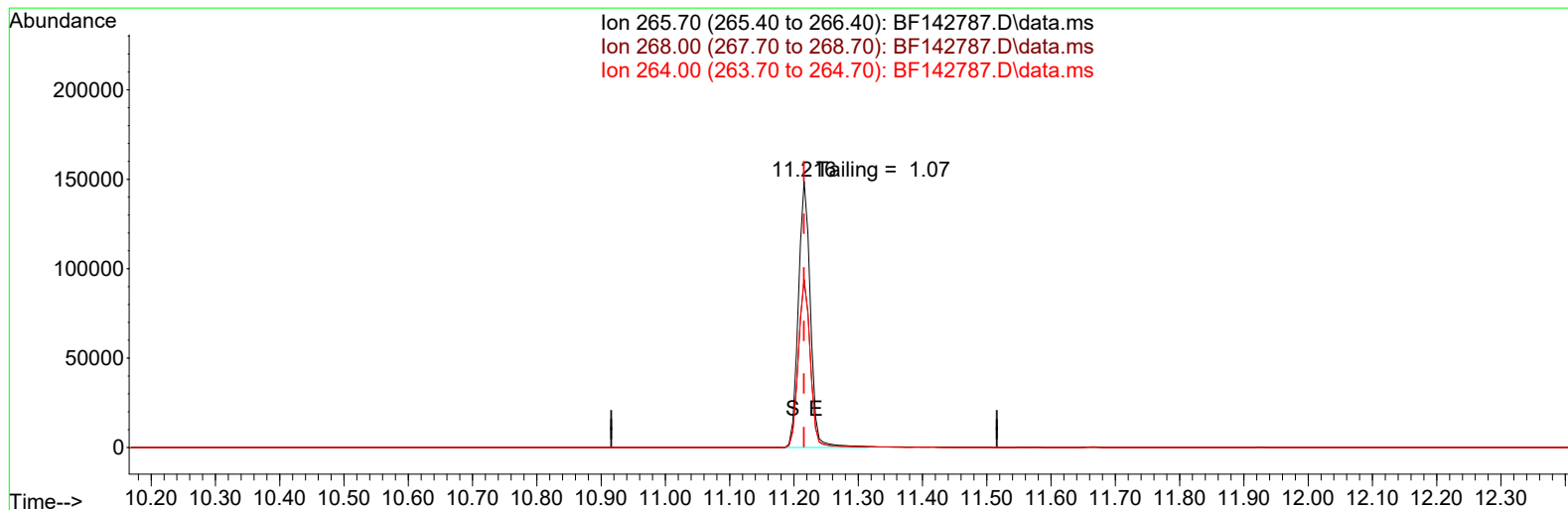
Date	Instrument Name	DFTPP Data File
6/19/2025	BNA_F	<u>BF142787.D</u>
Compound Name	Response	Retention Time
DDT	429715	13.574
DDD	7712	13.304
DDE	717	12.939
SUM(DDD+DDE)	SUM(DDT+DDD+DDE)	% Breakdown Of DDT
8429	438144	1.92

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

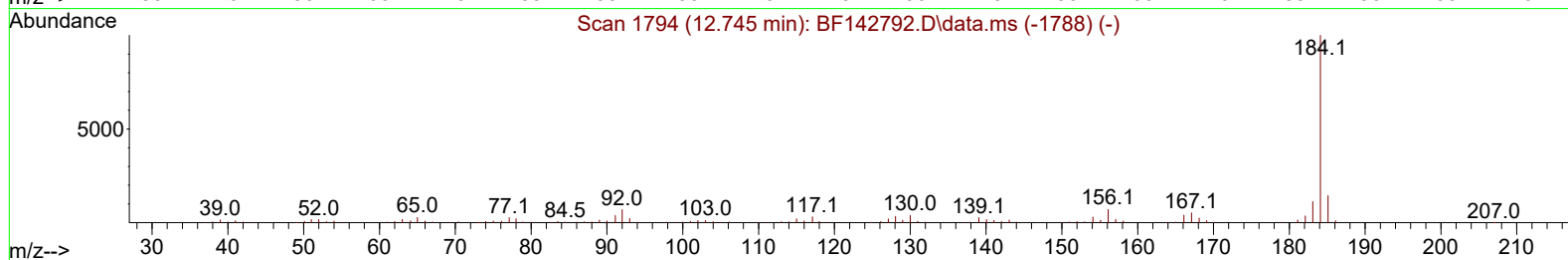
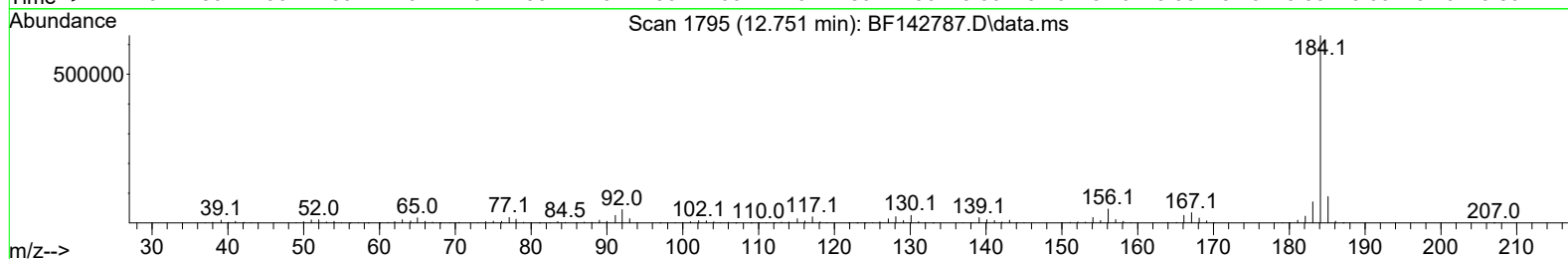
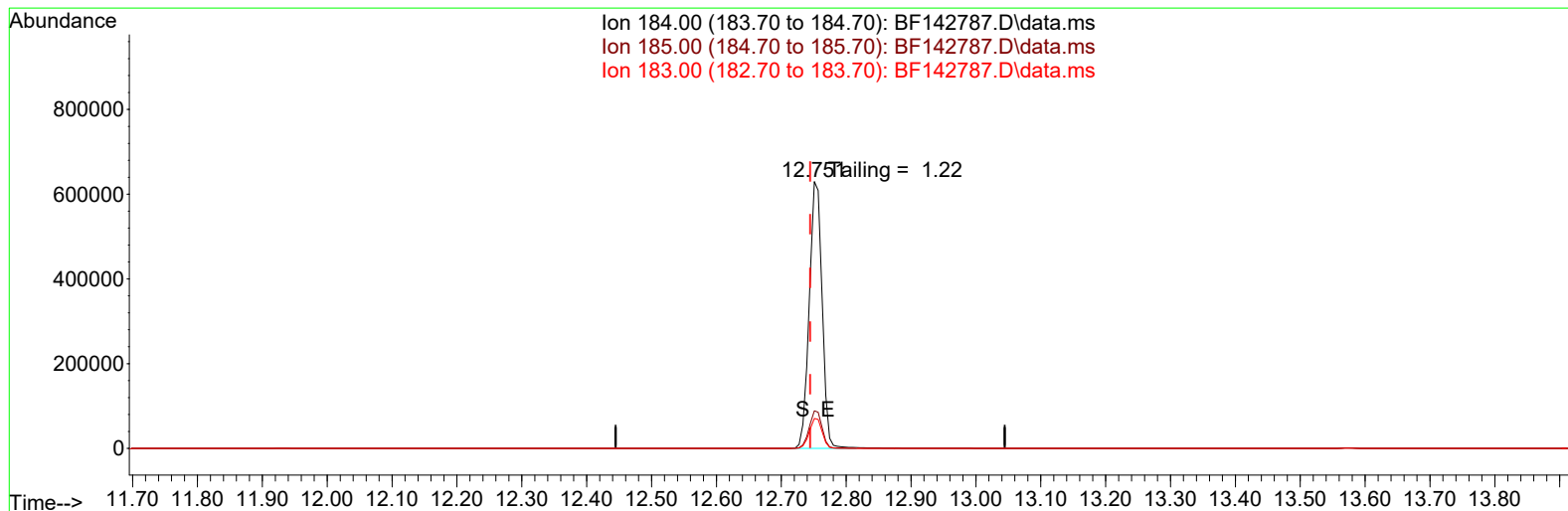
response 195787

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

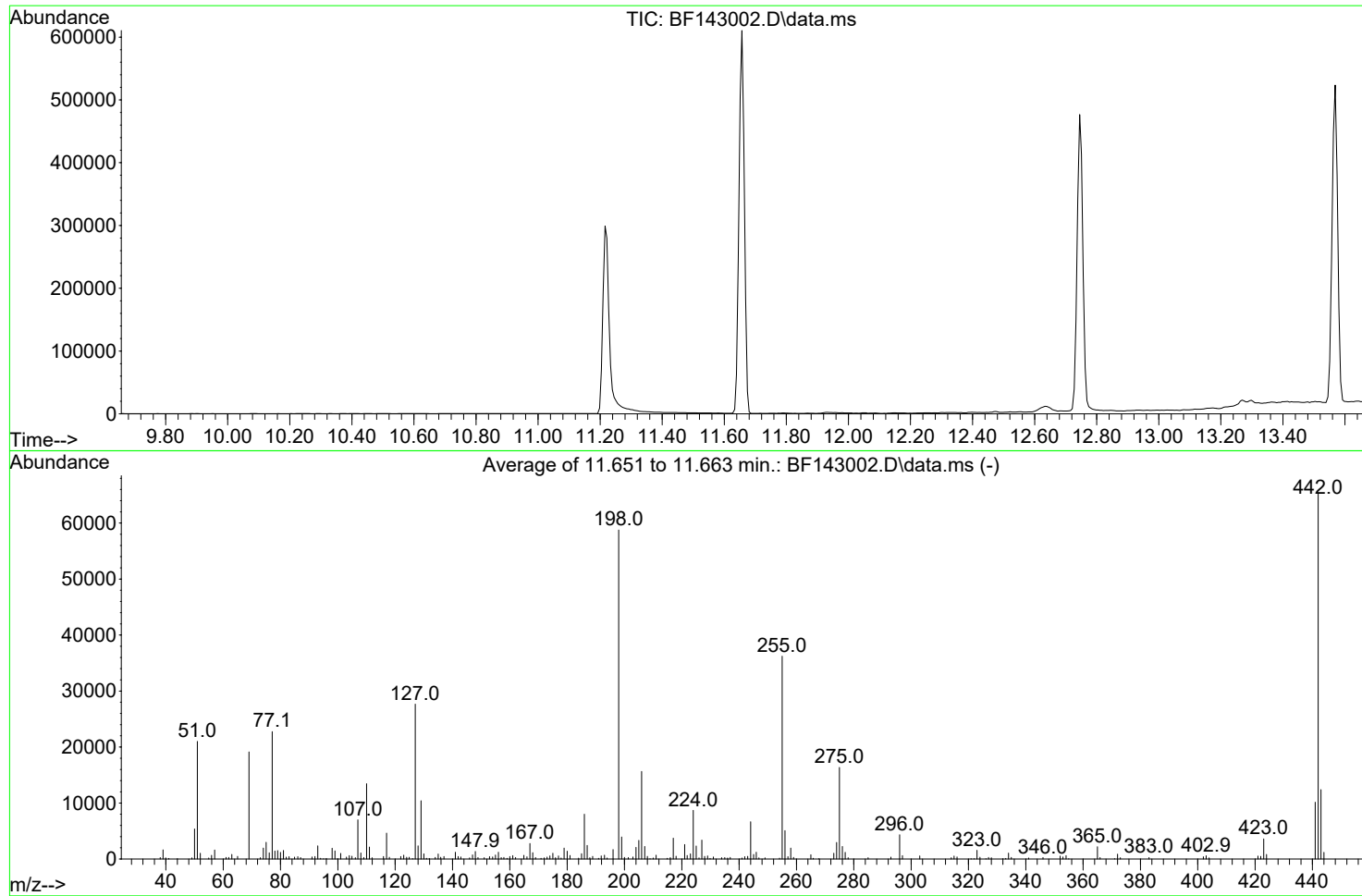
Ion	Exp%	Act%
184.00	100.00	100.00
185.00	14.40	14.11
183.00	11.20	11.25
0.00	0.00	0.00

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\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

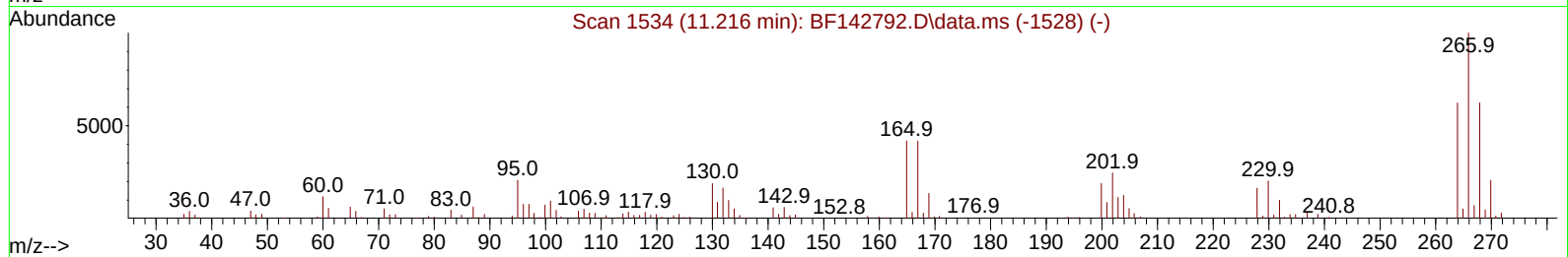
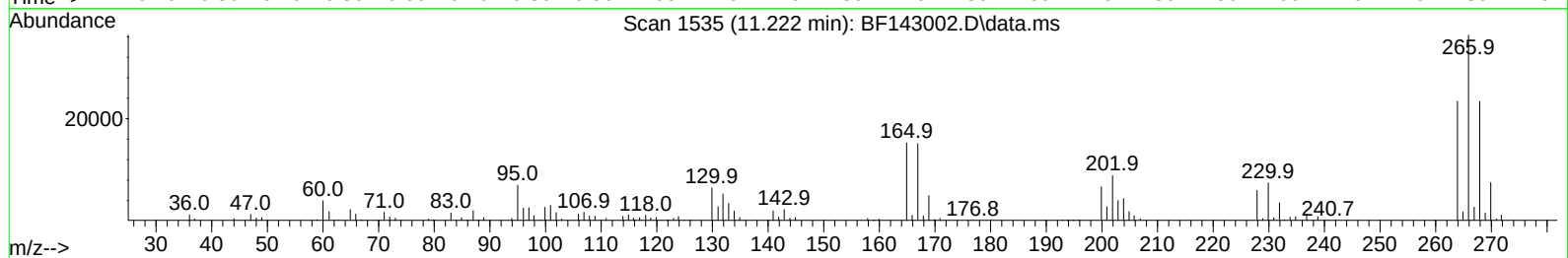
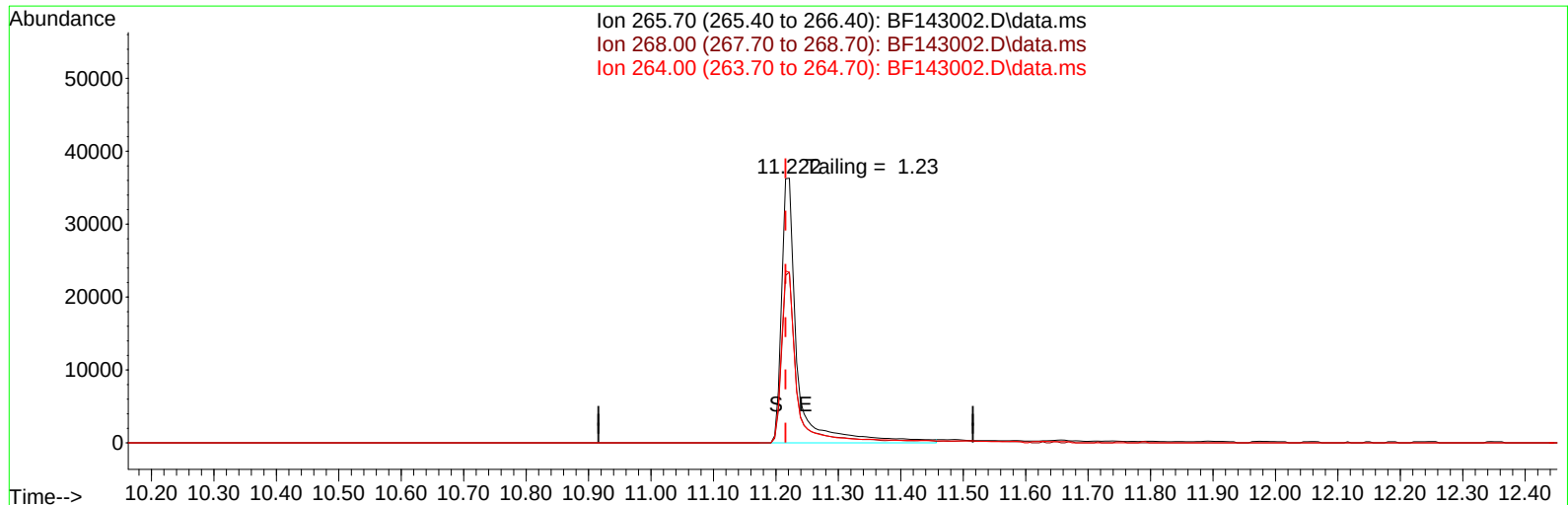
Date	Instrument Name	DFTPP Data File
7/7/2025	BNA_F	<u>BF143002.D</u>
Compound Name	Response	Retention Time
DDT	129967	13.568
DDD	4973	13.268
DDE	479	12.933
SUM(DDD+DDE)	SUM(DDT+DDD+DDE)	% Breakdown Of DDT
5452	135419	4.03

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

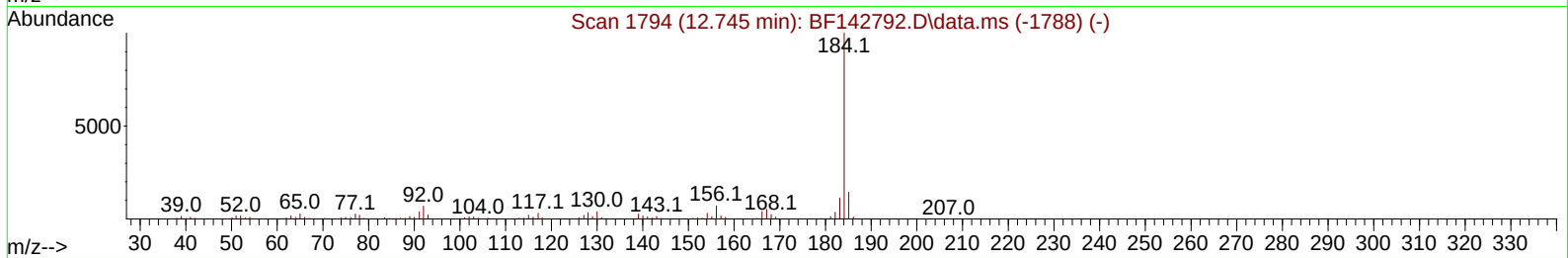
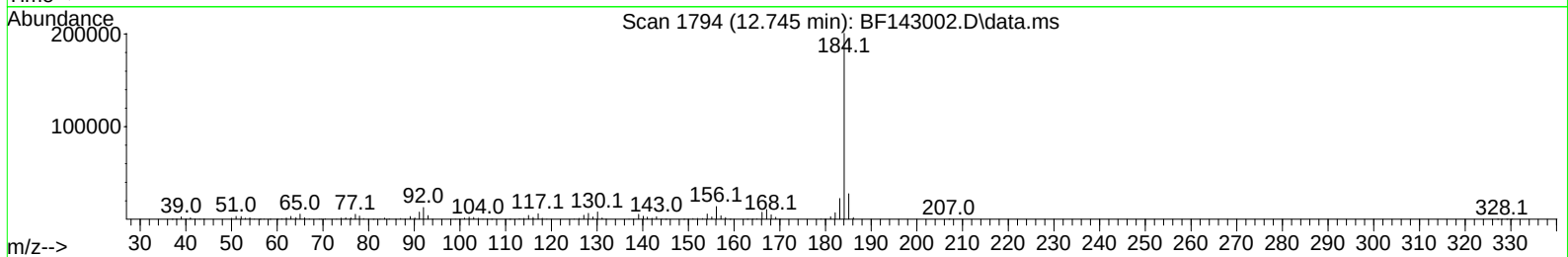
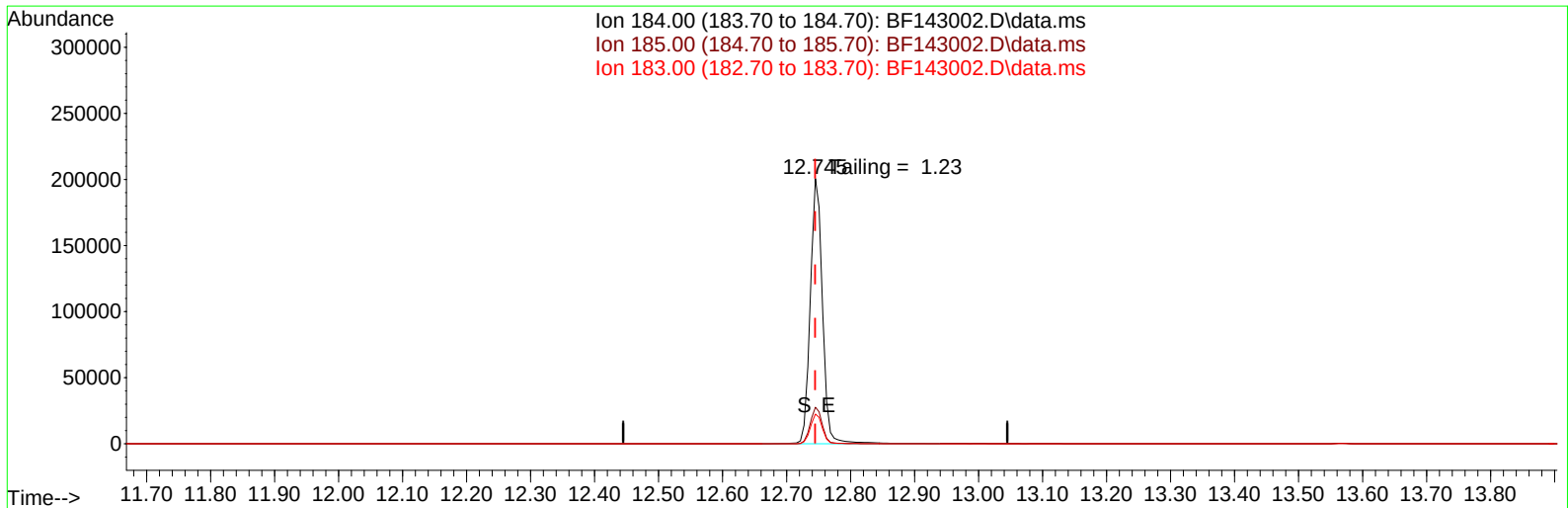
response 63968

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

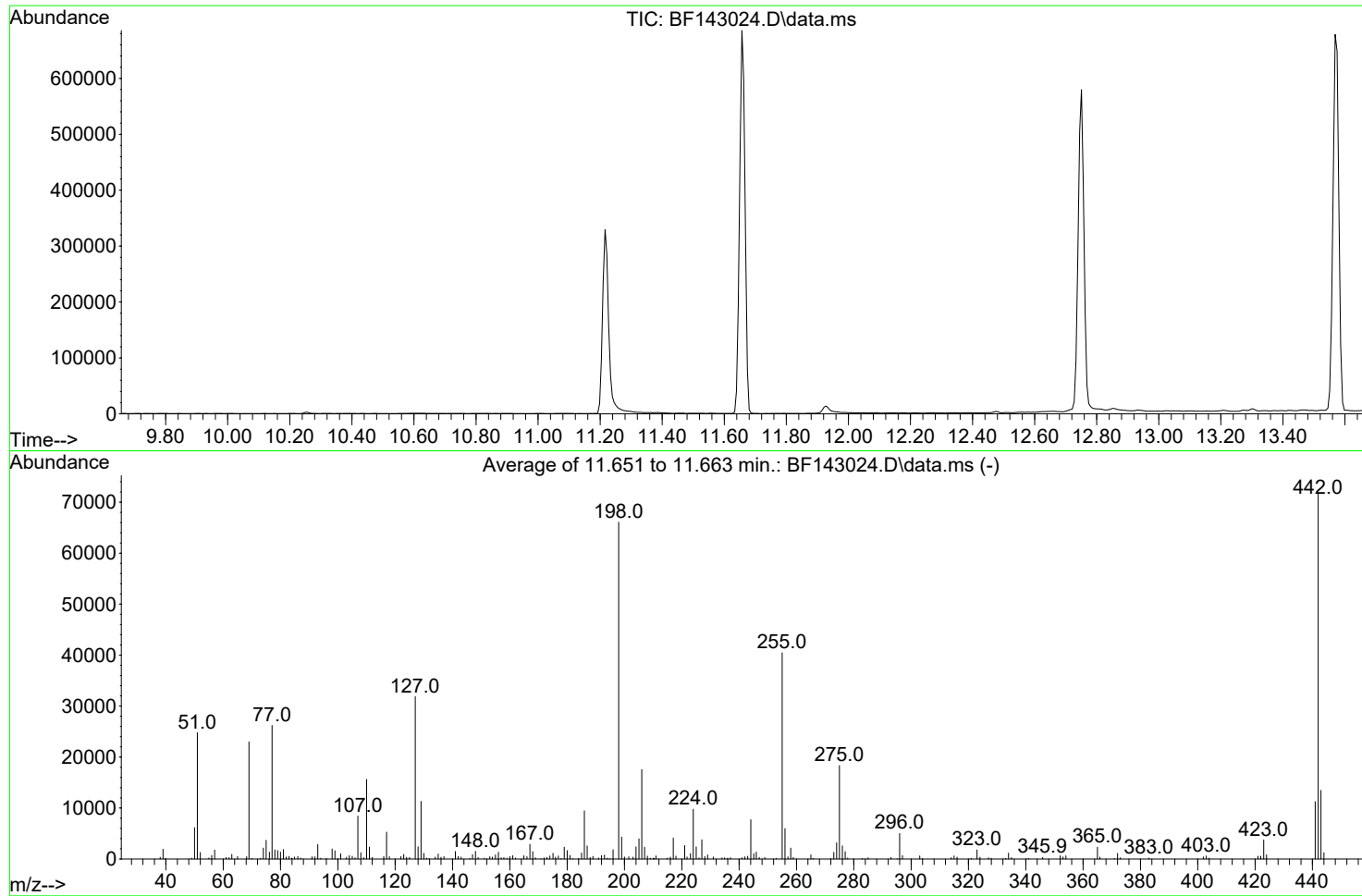
Ion	Exp%	Act%
184.00	100.00	100.00
185.00	14.40	13.80
183.00	11.20	11.22
0.00	0.00	0.00

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

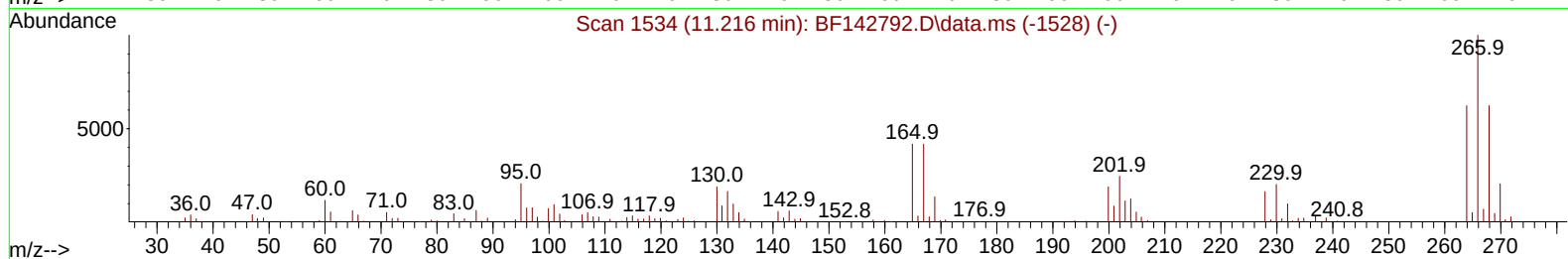
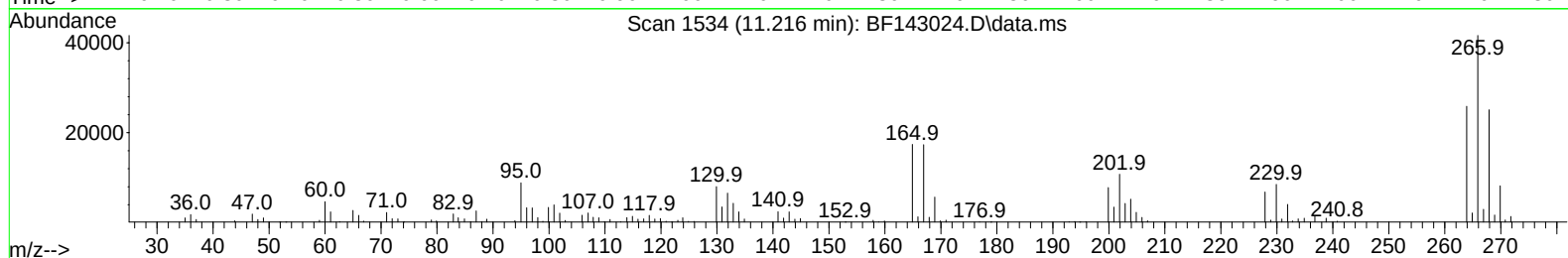
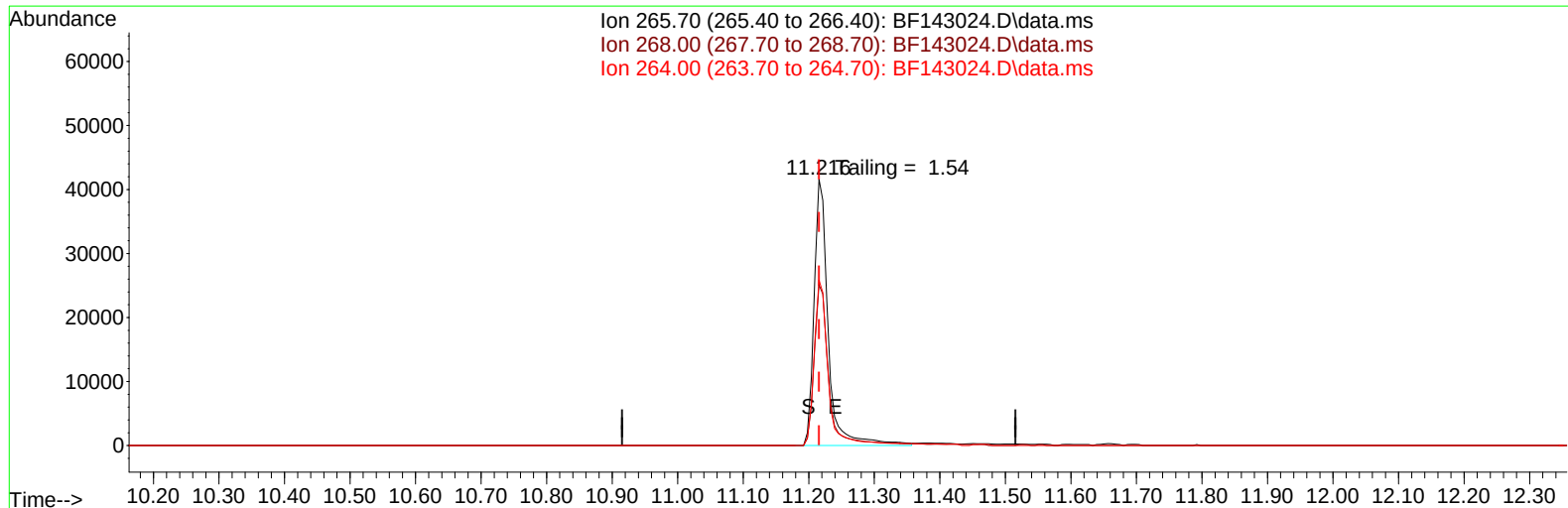
DDT Breakdown

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

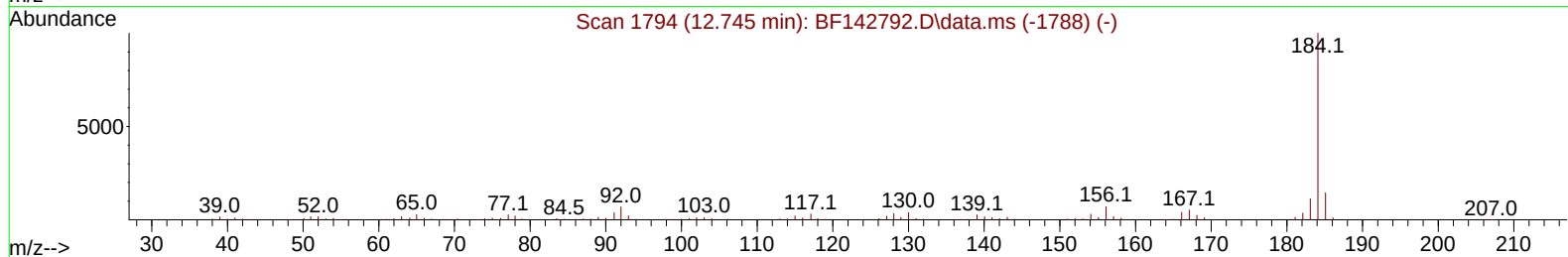
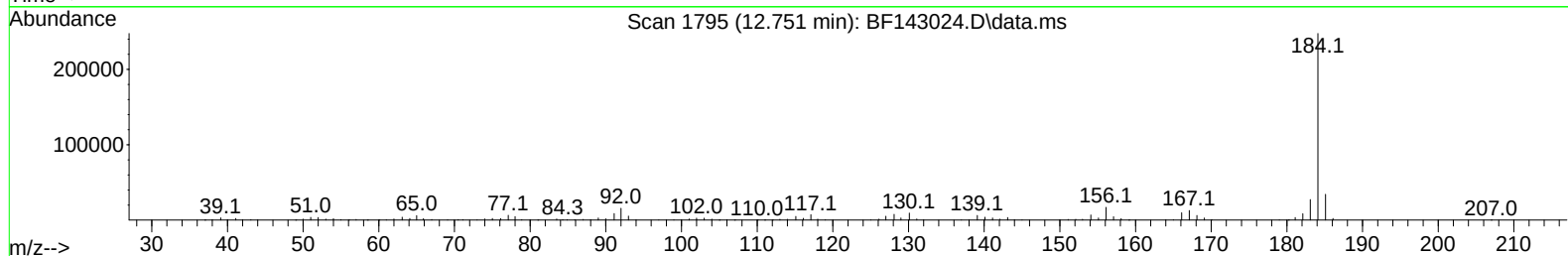
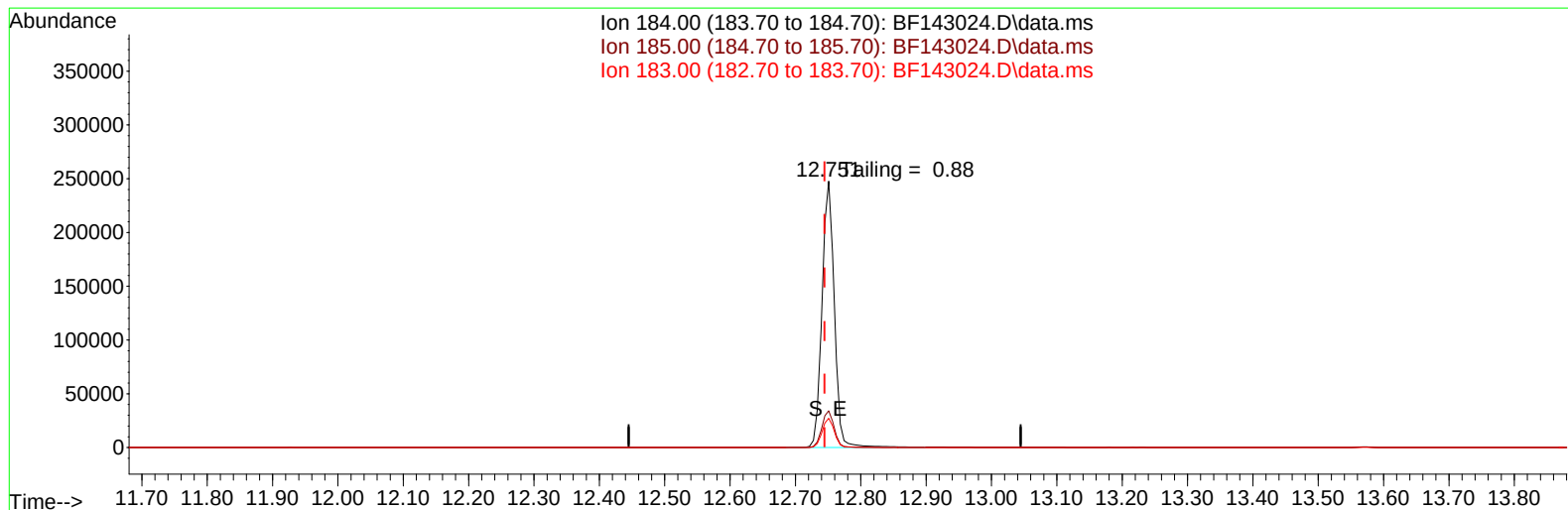
response 62605

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

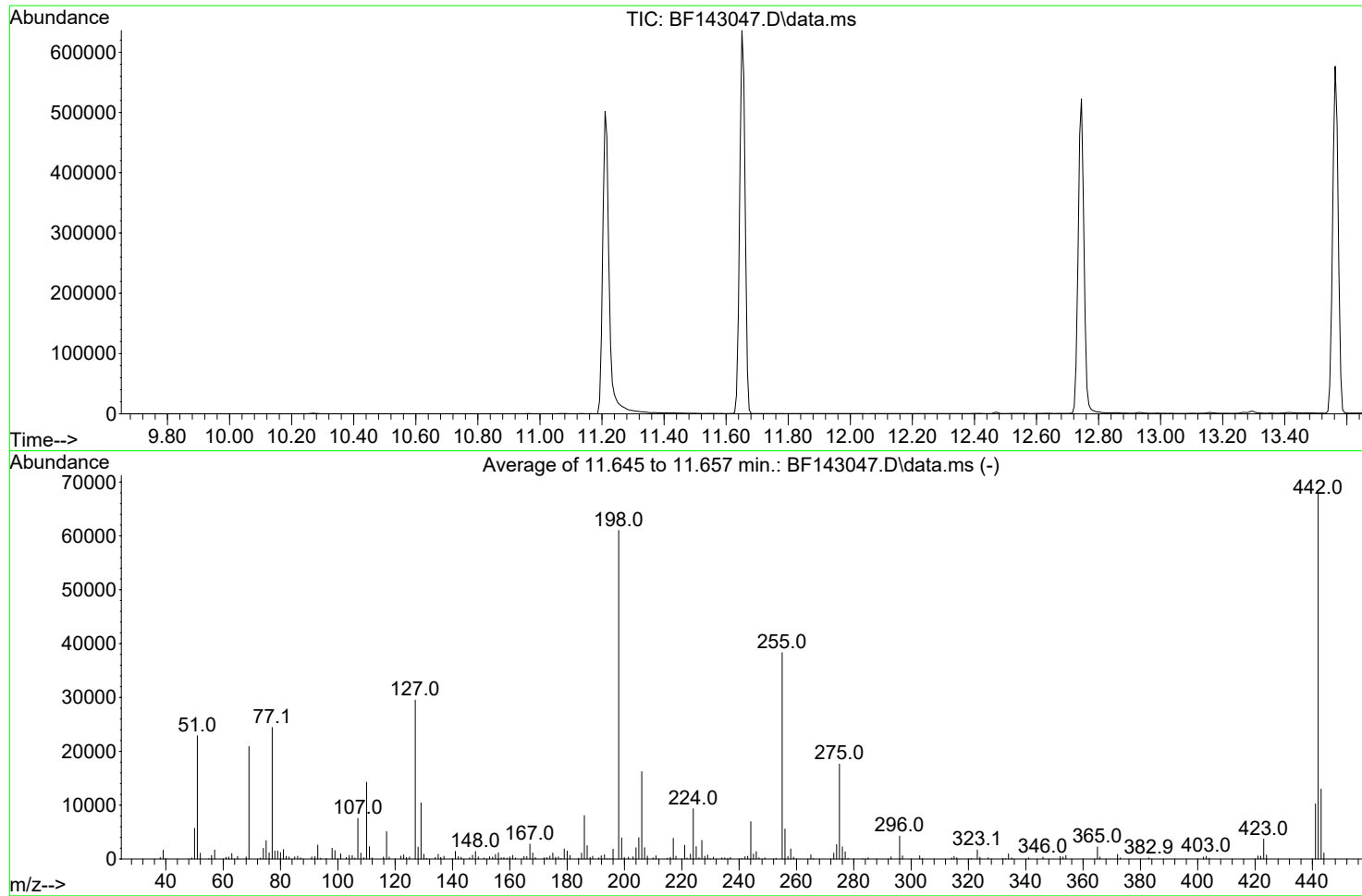
Ion	Exp%	Act%
184.00	100.00	100.00
185.00	14.40	13.81
183.00	11.20	11.00
0.00	0.00	0.00

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF070925\
Data File : BF143047.D
Acq On : 09 Jul 2025 10:22
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 1607, 1608, 1609; 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	406	PASS
69	69	100	100	100.0	20917	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	61016	PASS
199	198	5	9	6.5	3939	PASS
365	198	1	100	3.7	2249	PASS
441	443	0.01	150	78.8	10250	PASS
442	442	100	100	100.0	67792	PASS
443	442	15	24	19.2	13004	PASS

DDT Breakdown

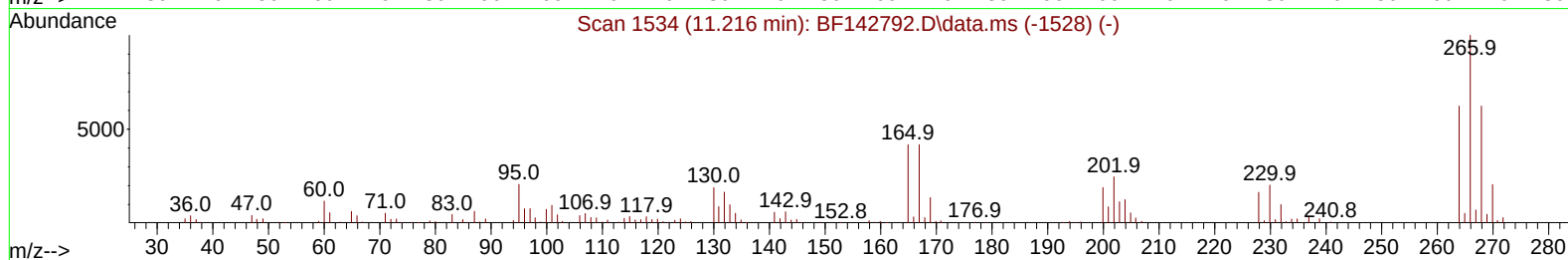
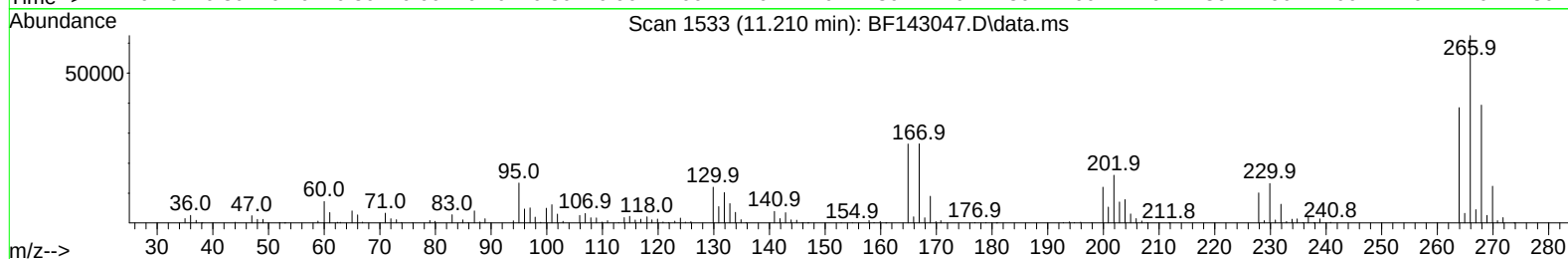
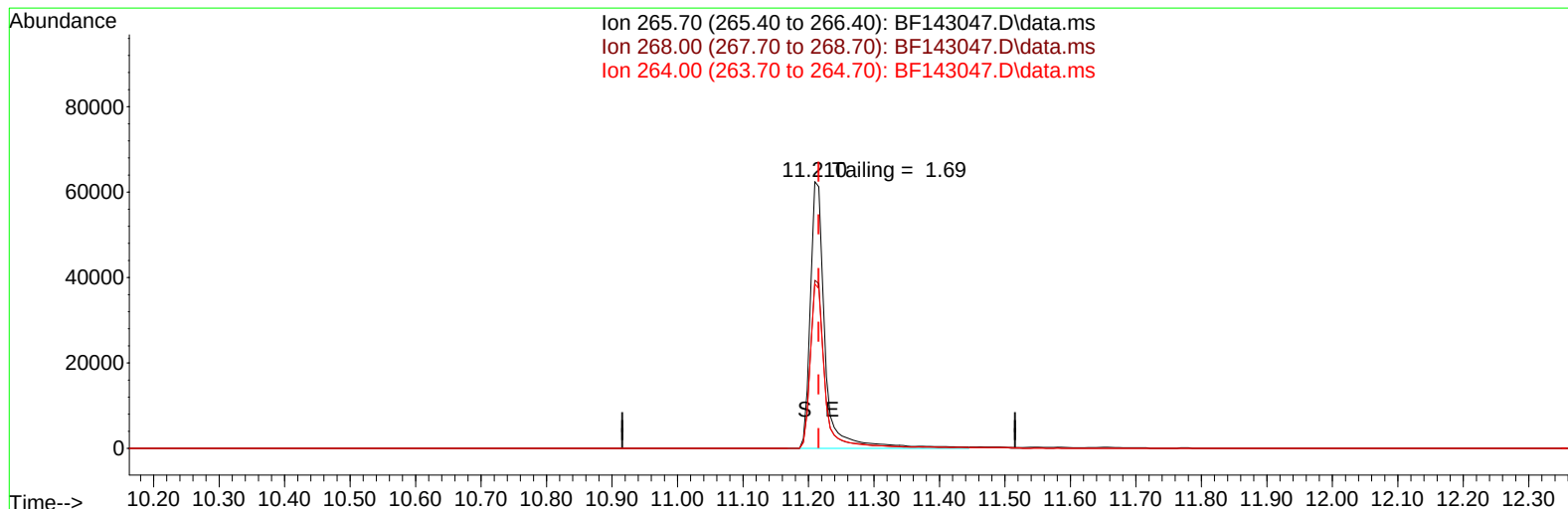
Date	Instrument Name	DFTPP Data File
7/9/2025	BNA_F	<u>BF143047.D</u>
Compound Name	Response	Retention Time
DDT	150121	13.563
DDD	2906	13.292
DDE	645	12.927
SUM(DDD+DDE)	SUM(DDT+DDD+DDE)	% Breakdown Of DDT
3551	153672	2.31

Instrument :
BNA_F
ClientSampleId :
DFTPP

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF070925\
Data File : BF143047.D
Acq On : 09 Jul 2025 10:22
Operator : RC/JU
Sample : DFTPP
Misc :
ALS Vial : 1 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
DFTPP

Quant Time: Jul 09 11:29:10 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF061925.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Tue Jun 24 05:28:21 2025
Response via : Initial Calibration



TIC: BF143047.D\data.ms

(70) Pentachlorophenol (C)

11.210min (-0.006) 48733.15 ng

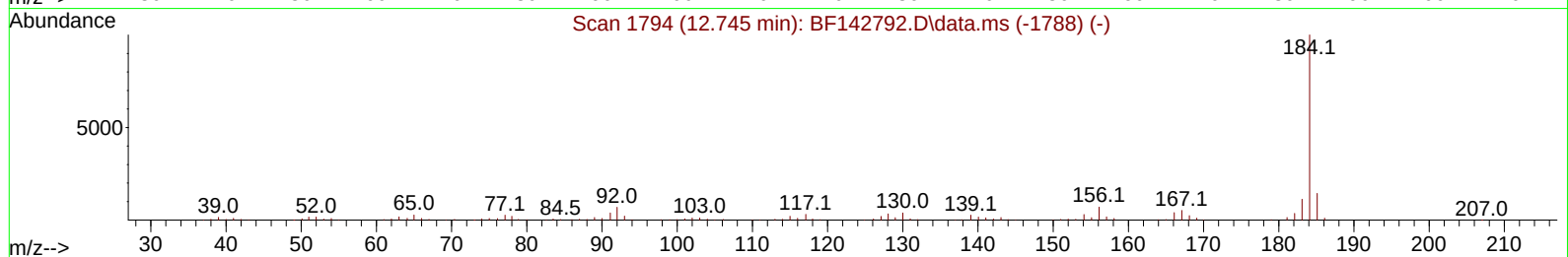
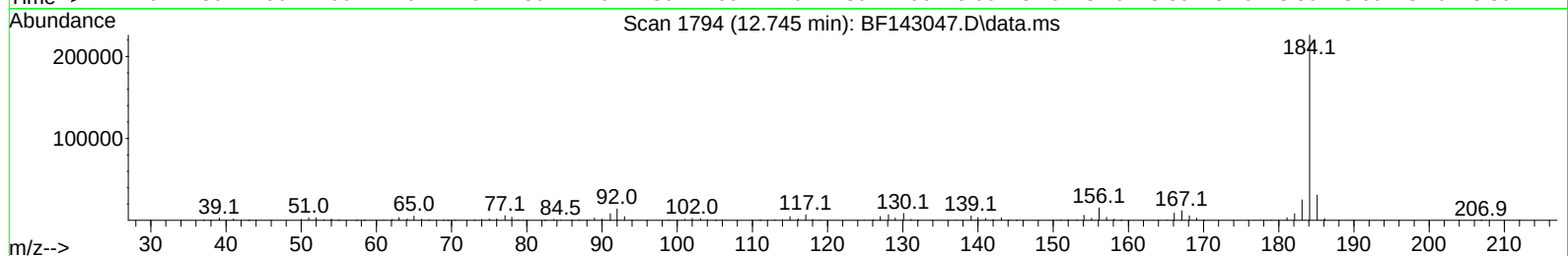
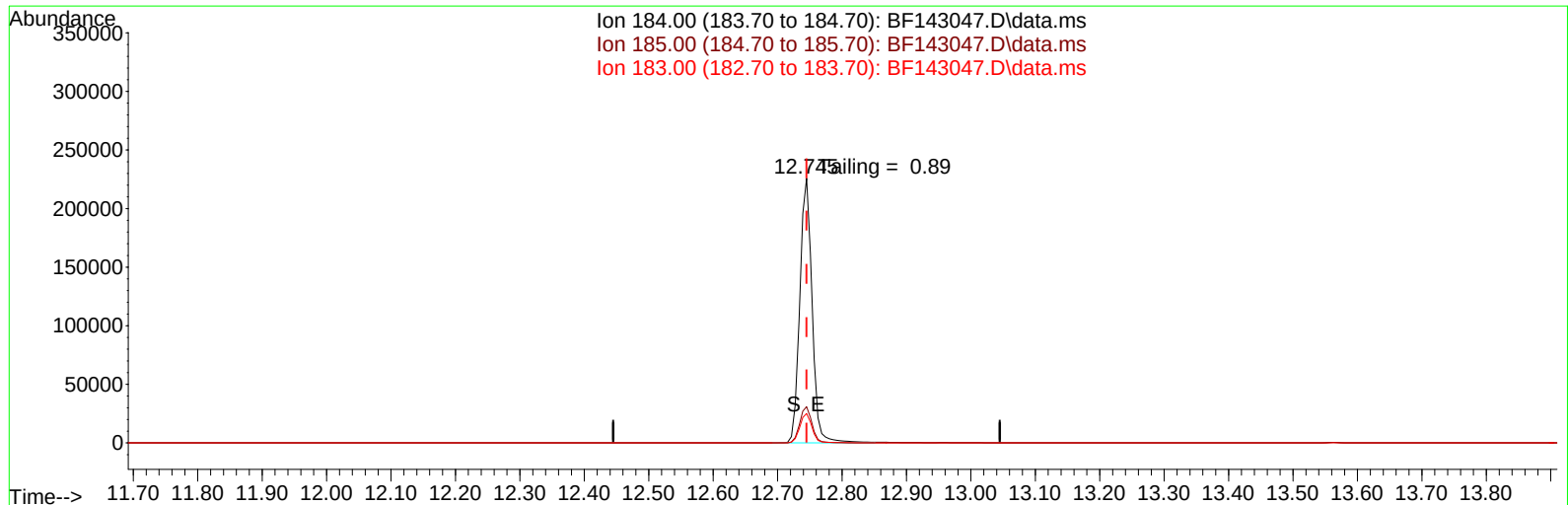
response 96735

Ion	Exp%	Act%
265.70	100.00	100.00
268.00	62.30	63.02
264.00	62.40	61.65
0.00	0.00	0.00

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF070925\
Data File : BF143047.D
Acq On : 09 Jul 2025 10:22
Operator : RC/JU
Sample : DFTPP
Misc :
ALS Vial : 1 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
DFTPP

Quant Time: Jul 09 11:29:10 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF061925.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Tue Jun 24 05:28:21 2025
Response via : Initial Calibration



TIC: BF143047.D\data.ms

(77) Benzidine

12.745min (+ 0.000) 0.00 ng

response 301867

Ion	Exp%	Act%
184.00	100.00	100.00
185.00	14.40	13.67
183.00	11.20	11.11
0.00	0.00	0.00

Report of Analysis

Client:	CDM Smith	Date Collected:	
Project:	South River WM Replacement	Date Received:	
Client Sample ID:	PB168737BL	SDG No.:	Q2514
Lab Sample ID:	PB168737BL	Matrix:	SOIL
Analytical Method:	8270E	% Solid:	100
Sample Wt/Vol:	30.02 Units: g	Final Vol:	1000 uL
Soil Aliquot Vol:	uL	Test:	SVOC-TCL BNA -20
Extraction Type :	Decanted : N	Level :	LOW
Injection Volume :	GPC Factor : 1.0	GPC Cleanup :	N PH :
Prep Method :	SW3541		

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
BF143049.D	1	07/07/25 09:00	07/09/25 11:23	PB168737

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units(Dry Weight)
TARGETS						
100-52-7	Benzaldehyde	160	U	160	330	ug/Kg
108-95-2	Phenol	22.1	U	22.1	170	ug/Kg
111-44-4	bis(2-Chloroethyl)ether	24.3	U	24.3	170	ug/Kg
95-57-8	2-Chlorophenol	24.4	U	24.4	170	ug/Kg
95-48-7	2-Methylphenol	29.9	U	29.9	170	ug/Kg
108-60-1	2,2-oxybis(1-Chloropropane)	37.5	U	37.5	170	ug/Kg
98-86-2	Acetophenone	29.5	U	29.5	170	ug/Kg
65794-96-9	3+4-Methylphenols	41.1	U	41.1	330	ug/Kg
621-64-7	n-Nitroso-di-n-propylamine	47.4	U	47.4	79.9	ug/Kg
67-72-1	Hexachloroethane	17.6	U	17.6	170	ug/Kg
98-95-3	Nitrobenzene	18.3	U	18.3	170	ug/Kg
78-59-1	Isophorone	32.8	U	32.8	170	ug/Kg
88-75-5	2-Nitrophenol	58.2	U	58.2	170	ug/Kg
105-67-9	2,4-Dimethylphenol	64.8	U	64.8	170	ug/Kg
111-91-1	bis(2-Chloroethoxy)methane	30.8	U	30.8	170	ug/Kg
120-83-2	2,4-Dichlorophenol	28.3	U	28.3	170	ug/Kg
91-20-3	Naphthalene	22.7	U	22.7	170	ug/Kg
106-47-8	4-Chloroaniline	35.4	U	35.4	170	ug/Kg
87-68-3	Hexachlorobutadiene	25.3	U	25.3	170	ug/Kg
105-60-2	Caprolactam	52.1	U	52.1	330	ug/Kg
59-50-7	4-Chloro-3-methylphenol	28.7	U	28.7	170	ug/Kg
91-57-6	2-Methylnaphthalene	25.6	U	25.6	170	ug/Kg
77-47-4	Hexachlorocyclopentadiene	120	U	120	330	ug/Kg
88-06-2	2,4,6-Trichlorophenol	19.8	U	19.8	170	ug/Kg
95-95-4	2,4,5-Trichlorophenol	29.1	U	29.1	170	ug/Kg
92-52-4	1,1-Biphenyl	21.8	U	21.8	170	ug/Kg
91-58-7	2-Chloronaphthalene	22.5	U	22.5	170	ug/Kg
88-74-4	2-Nitroaniline	48.1	U	48.1	170	ug/Kg
131-11-3	Dimethylphthalate	27.1	U	27.1	170	ug/Kg

Report of Analysis

Client:	CDM Smith	Date Collected:	
Project:	South River WM Replacement	Date Received:	
Client Sample ID:	PB168737BL	SDG No.:	Q2514
Lab Sample ID:	PB168737BL	Matrix:	SOIL
Analytical Method:	8270E	% Solid:	100
Sample Wt/Vol:	30.02 Units: g	Final Vol:	1000 uL
Soil Aliquot Vol:	uL	Test:	SVOC-TCL BNA -20
Extraction Type :	Decanted : N	Level :	LOW
Injection Volume :	GPC Factor : 1.0	GPC Cleanup :	N PH :
Prep Method :	SW3541		

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
BF143049.D	1	07/07/25 09:00	07/09/25 11:23	PB168737

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units(Dry Weight)
208-96-8	Acenaphthylene	28.9	U	28.9	170	ug/Kg
606-20-2	2,6-Dinitrotoluene	33.6	U	33.6	170	ug/Kg
99-09-2	3-Nitroaniline	46.0	U	46.0	170	ug/Kg
83-32-9	Acenaphthene	21.3	U	21.3	170	ug/Kg
51-28-5	2,4-Dinitrophenol	230	U	230	330	ug/Kg
100-02-7	4-Nitrophenol	110	U	110	330	ug/Kg
132-64-9	Dibenzofuran	22.7	U	22.7	170	ug/Kg
121-14-2	2,4-Dinitrotoluene	50.1	U	50.1	170	ug/Kg
84-66-2	Diethylphthalate	28.3	U	28.3	170	ug/Kg
7005-72-3	4-Chlorophenyl-phenylether	26.7	U	26.7	170	ug/Kg
86-73-7	Fluorene	25.3	U	25.3	170	ug/Kg
100-01-6	4-Nitroaniline	64.2	U	64.2	170	ug/Kg
534-52-1	4,6-Dinitro-2-methylphenol	100	U	100	330	ug/Kg
86-30-6	n-Nitrosodiphenylamine	32.9	U	32.9	170	ug/Kg
101-55-3	4-Bromophenyl-phenylether	27.8	U	27.8	170	ug/Kg
118-74-1	Hexachlorobenzene	25.3	U	25.3	170	ug/Kg
1912-24-9	Atrazine	34.0	U	34.0	170	ug/Kg
87-86-5	Pentachlorophenol	51.3	U	51.3	330	ug/Kg
85-01-8	Phenanthrene	20.9	U	20.9	170	ug/Kg
120-12-7	Anthracene	33.3	U	33.3	170	ug/Kg
86-74-8	Carbazole	31.2	U	31.2	170	ug/Kg
84-74-2	Di-n-butylphthalate	47.9	U	47.9	170	ug/Kg
206-44-0	Fluoranthene	30.0	U	30.0	170	ug/Kg
129-00-0	Pyrene	36.0	U	36.0	170	ug/Kg
85-68-7	Butylbenzylphthalate	71.4	U	71.4	170	ug/Kg
91-94-1	3,3-Dichlorobenzidine	36.7	U	36.7	330	ug/Kg
56-55-3	Benzo(a)anthracene	23.0	U	23.0	170	ug/Kg
218-01-9	Chrysene	19.9	U	19.9	170	ug/Kg
117-81-7	Bis(2-ethylhexyl)phthalate	59.2	U	59.2	170	ug/Kg
117-84-0	Di-n-octyl phthalate	86.7	U	86.7	330	ug/Kg
205-99-2	Benzo(b)fluoranthene	19.0	U	19.0	170	ug/Kg

Report of Analysis

Client:	CDM Smith	Date Collected:	
Project:	South River WM Replacement	Date Received:	
Client Sample ID:	PB168737BL	SDG No.:	Q2514
Lab Sample ID:	PB168737BL	Matrix:	SOIL
Analytical Method:	8270E	% Solid:	100
Sample Wt/Vol:	30.02 Units: g	Final Vol:	1000 uL
Soil Aliquot Vol:	uL	Test:	SVOC-TCL BNA -20
Extraction Type :	Decanted : N	Level :	LOW
Injection Volume :	GPC Factor : 1.0	GPC Cleanup :	N PH :
Prep Method :	SW3541		

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
BF143049.D	1	07/07/25 09:00	07/09/25 11:23	PB168737

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	127		18 - 112	85%	SPK: 150
13127-88-3	Phenol-d6	128		15 - 107	85%	SPK: 150
4165-60-0	Nitrobenzene-d5	80.2		18 - 107	80%	SPK: 100
321-60-8	2-Fluorobiphenyl	79.5		20 - 109	80%	SPK: 100
118-79-6	2,4,6-Tribromophenol	132		10 - 116	88%	SPK: 150
1718-51-0	Terphenyl-d14	86.6		10 - 105	87%	SPK: 100

INTERNAL STANDARDS

3855-82-1	1,4-Dichlorobenzene-d4	57400	6.869			
1146-65-2	Naphthalene-d8	221000	8.157			
15067-26-2	Acenaphthene-d10	119000	9.916			
1517-22-2	Phenanthrene-d10	204000	11.404			
1719-03-5	Chrysene-d12	110000	14.051			
1520-96-3	Perylene-d12	116000	15.545			

TENTATIVE IDENTIFIED COMPOUNDS

000123-42-2	2-Pentanone, 4-hydroxy-4-methyl-	310	A		5.10	ug/Kg
000630-04-6	Hentriacontane	150	J		13.9	ug/Kg
006311-48-4	(1,1-Biphenyl)-4,4-diamine, N,N	600	J		17.2	ug/Kg

Report of Analysis

Client:	CDM Smith	Date Collected:	
Project:	South River WM Replacement	Date Received:	
Client Sample ID:	PB168737BL	SDG No.:	Q2514
Lab Sample ID:	PB168737BL	Matrix:	SOIL
Analytical Method:	8270E	% Solid:	100
Sample Wt/Vol:	30.02 Units: g	Final Vol:	1000 uL
Soil Aliquot Vol:	uL	Test:	SVOC-TCL BNA -20
Extraction Type :	Decanted : N	Level :	LOW
Injection Volume :	GPC Factor : 1.0	GPC Cleanup :	N PH :
Prep Method :	SW3541		

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
BF143049.D	1	07/07/25 09:00	07/09/25 11:23	PB168737

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\BF070925\
Data File : BF143049.D
Acq On : 09 Jul 2025 11:23
Operator : RC/JU
Sample : PB168737BL
Misc :
ALS Vial : 3 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
PB168737BL

Quant Time: Jul 09 11:44:24 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	57363	20.000	ng	-0.01
21) Naphthalene-d8	8.157	136	220874	20.000	ng	-0.01
39) Acenaphthene-d10	9.916	164	118712	20.000	ng	0.00
64) Phenanthrene-d10	11.404	188	203771	20.000	ng	0.00
76) Chrysene-d12	14.051	240	110413	20.000	ng	0.00
86) Perylene-d12	15.545	264	115591	20.000	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.504	112	438392	127.240	ng	0.01
7) Phenol-d6	6.504	99	520917	128.151	ng	0.00
23) Nitrobenzene-d5	7.434	82	322973	80.206	ng	-0.01
42) 2,4,6-Tribromophenol	10.710	330	161220	131.971	ng	0.00
45) 2-Fluorobiphenyl	9.233	172	718776	79.540	ng	-0.01
79) Terphenyl-d14	12.992	244	692069	86.605	ng	0.00

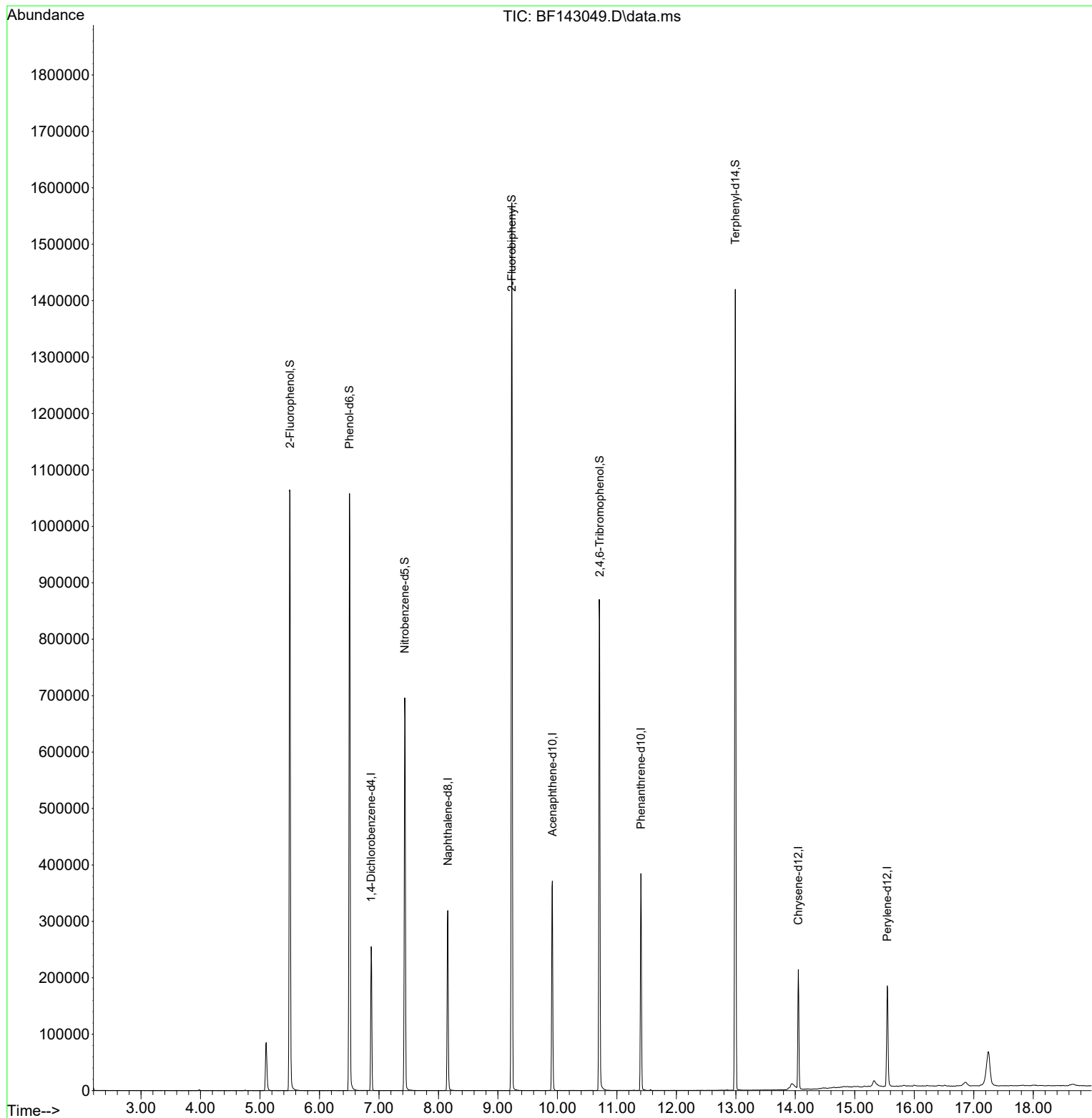
Target Compounds	Qvalue

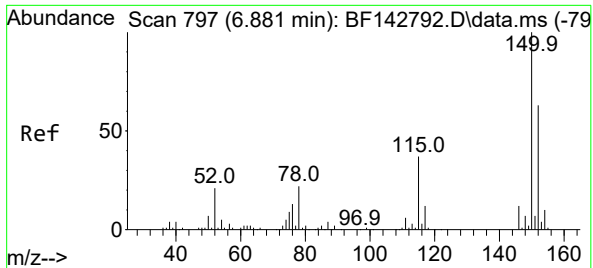
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF070925\
Data File : BF143049.D
Acq On : 09 Jul 2025 11:23
Operator : RC/JU
Sample : PB168737BL
Misc :
ALS Vial : 3 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
PB168737BL

Quant Time: Jul 09 11:44:24 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

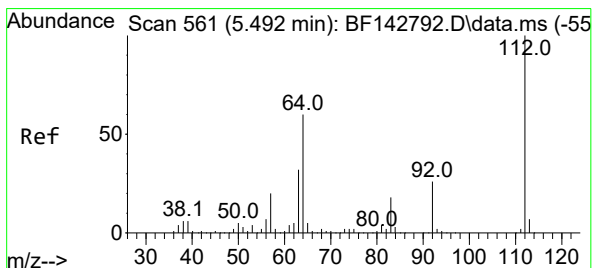
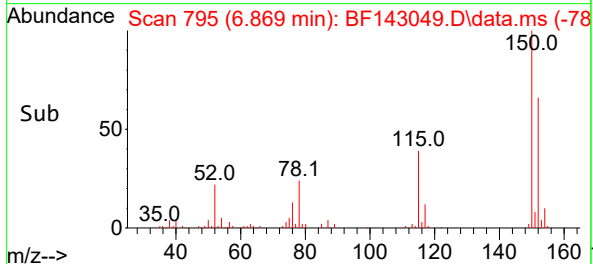
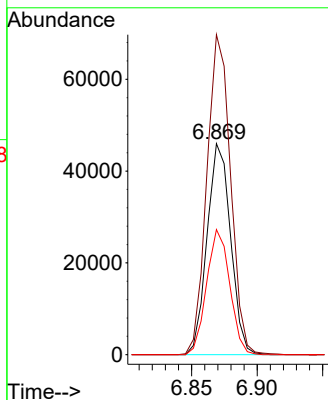
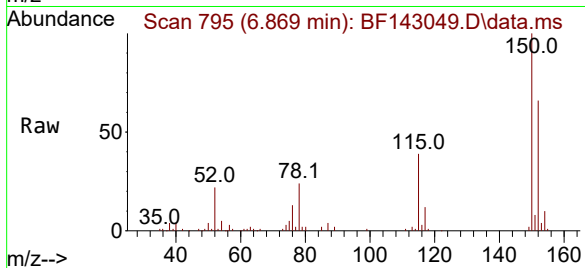




#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.869 min Scan# 797
Delta R.T. -0.012 min
Lab File: BF143049.D
Acq: 09 Jul 2025 11:23

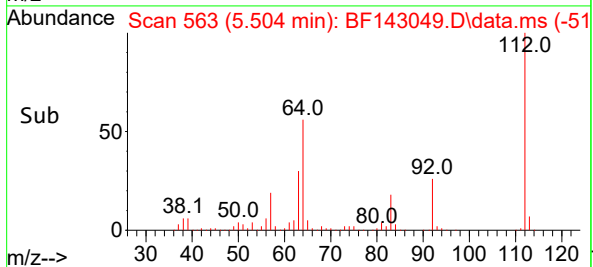
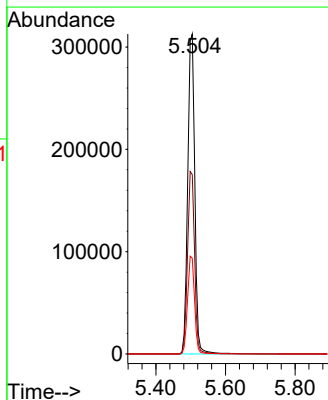
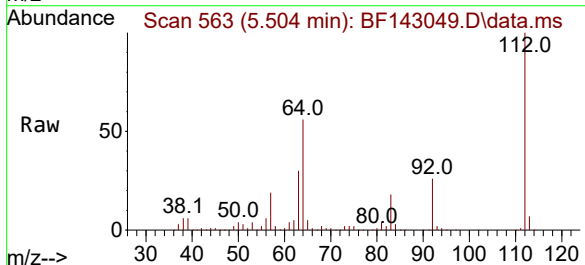
Instrument :
BNA_F
ClientSampleId :
PB168737BL

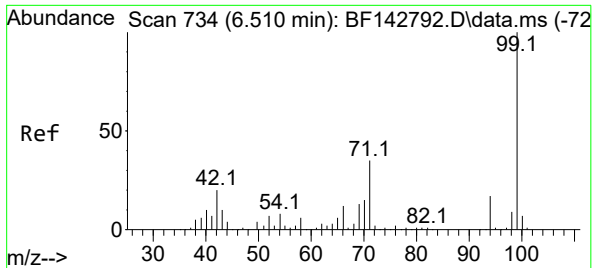
Tgt Ion:152 Resp: 57363
Ion Ratio Lower Upper
152 100
150 151.6 127.2 190.8
115 59.3 46.6 69.8



#5
2-Fluorophenol
Concen: 127.240 ng
RT: 5.504 min Scan# 563
Delta R.T. 0.012 min
Lab File: BF143049.D
Acq: 09 Jul 2025 11:23

Tgt Ion:112 Resp: 438392
Ion Ratio Lower Upper
112 100
64 56.0 48.2 72.2
63 29.9 25.7 38.5

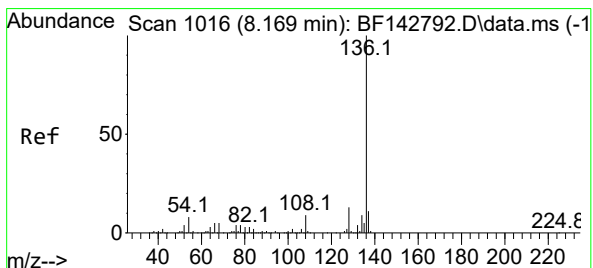
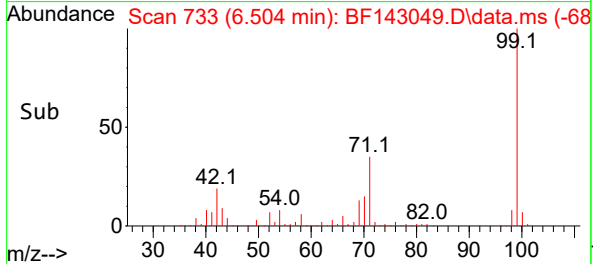
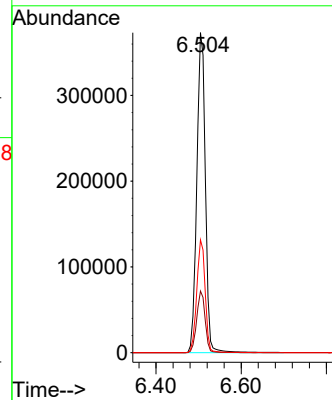
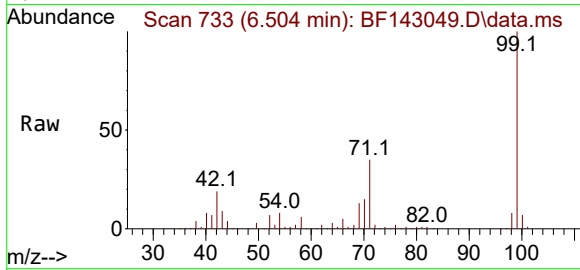




#7
Phenol-d6
Concen: 128.151 ng
RT: 6.504 min Scan# 71
Delta R.T. -0.006 min
Lab File: BF143049.D
Acq: 09 Jul 2025 11:23

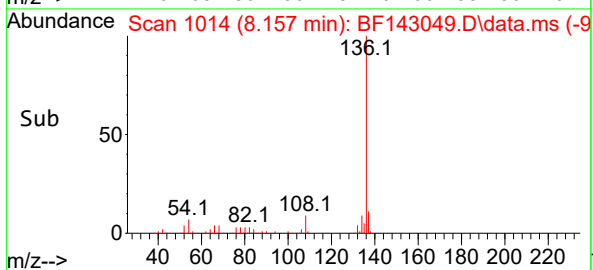
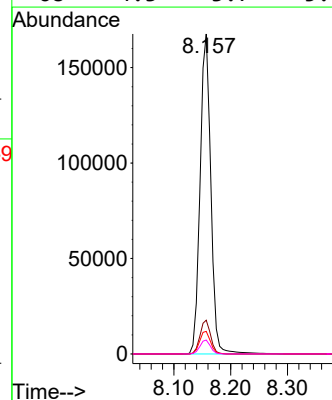
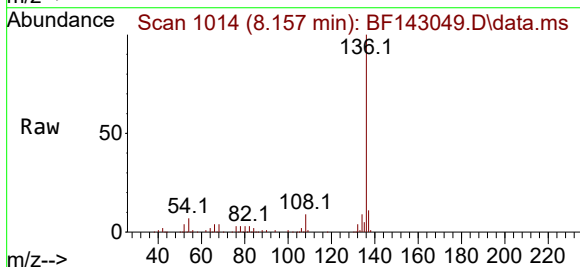
Instrument :
BNA_F
ClientSampleId :
PB168737BL

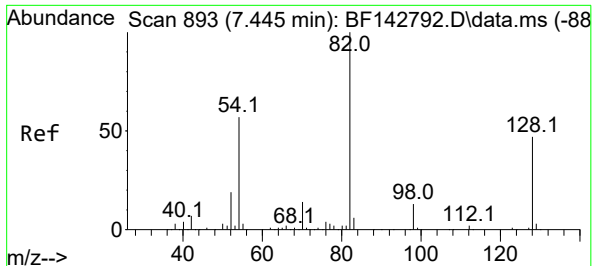
Tgt Ion: 99 Resp: 520917
Ion Ratio Lower Upper
99 100
42 19.2 15.9 23.9
71 35.2 27.8 41.8



#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.157 min Scan# 1014
Delta R.T. -0.012 min
Lab File: BF143049.D
Acq: 09 Jul 2025 11:23

Tgt Ion: 136 Resp: 220874
Ion Ratio Lower Upper
136 100
137 10.6 8.4 12.6
54 7.1 6.3 9.5
68 4.3 3.7 5.5





#23

Nitrobenzene-d5

Concen: 80.206 ng

RT: 7.434 min Scan# 89

Delta R.T. -0.011 min

Lab File: BF143049.D

Acq: 09 Jul 2025 11:23

Instrument :

BNA_F

ClientSampleId :

PB168737BL

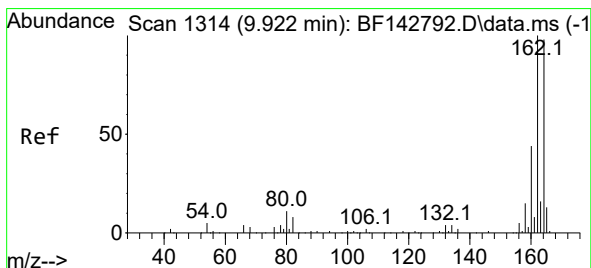
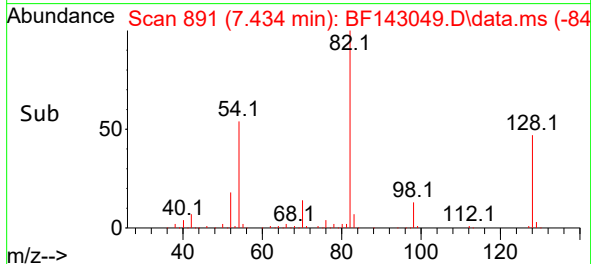
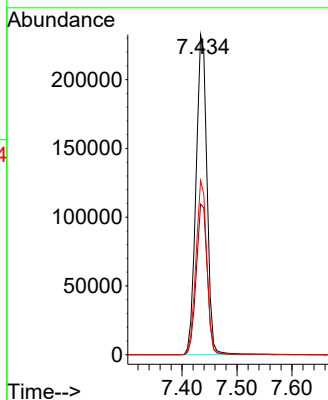
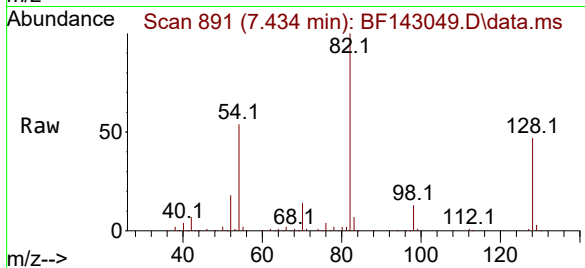
Tgt Ion: 82 Resp: 322973

Ion Ratio Lower Upper

82 100

128 47.0 37.7 56.5

54 54.3 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: BF143049.D

Acq: 09 Jul 2025 11:23

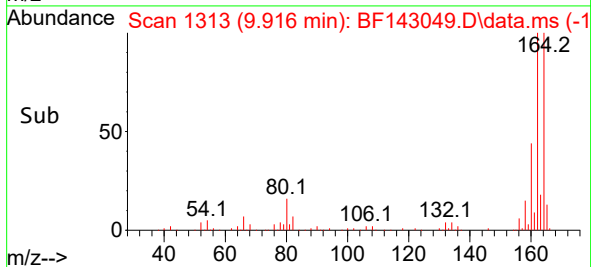
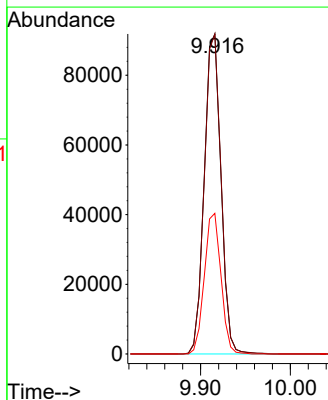
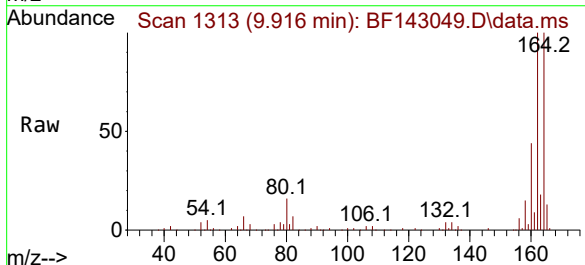
Tgt Ion:164 Resp: 118712

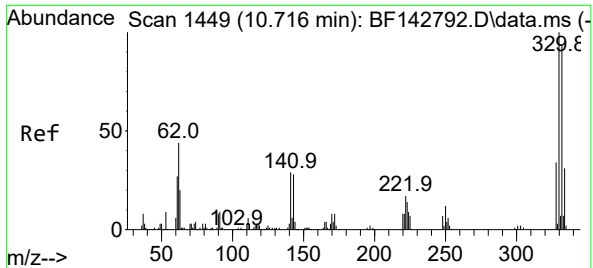
Ion Ratio Lower Upper

164 100

162 100.0 81.8 122.8

160 43.9 36.0 54.0

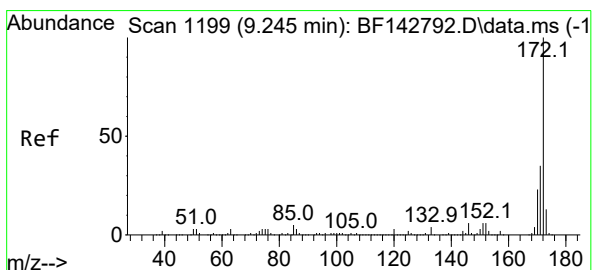
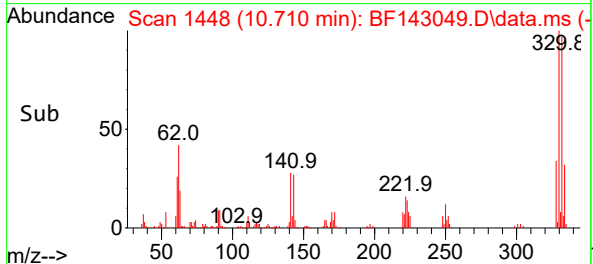
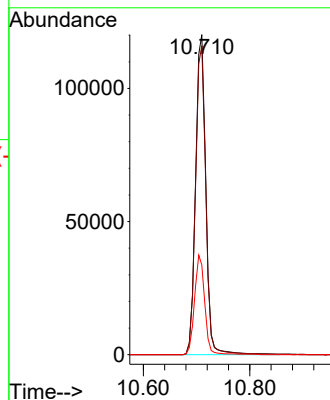
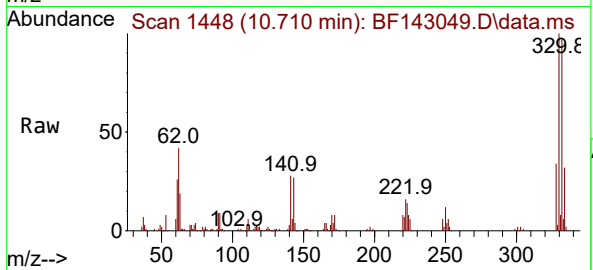




#42
2,4,6-Tribromophenol
Concen: 131.971 ng
RT: 10.710 min Scan# 1449
Delta R.T. -0.006 min
Lab File: BF143049.D
Acq: 09 Jul 2025 11:23

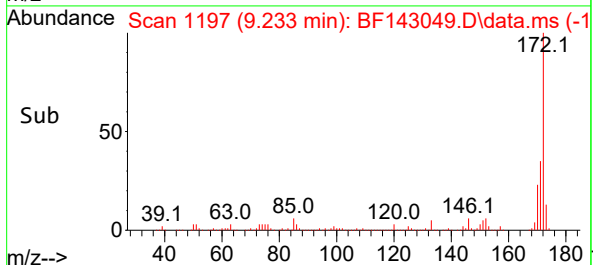
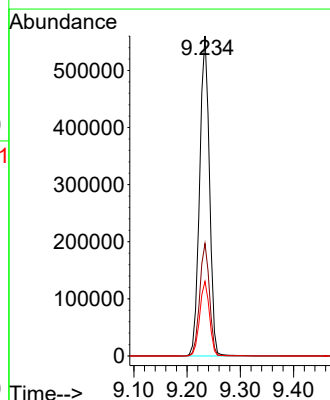
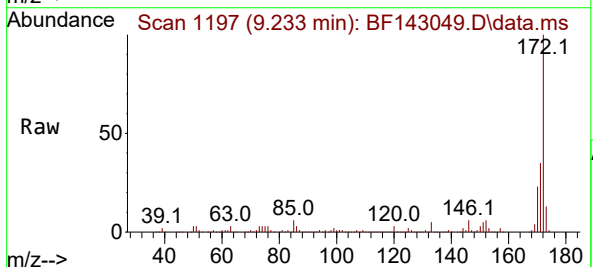
Instrument :
BNA_F
ClientSampleId :
PB168737BL

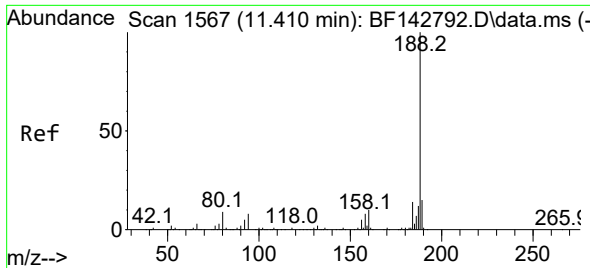
Tgt Ion:330 Resp: 161220
Ion Ratio Lower Upper
330 100
332 96.7 75.0 112.6
141 31.0 25.3 37.9



#45
2-Fluorobiphenyl
Concen: 79.540 ng
RT: 9.233 min Scan# 1197
Delta R.T. -0.011 min
Lab File: BF143049.D
Acq: 09 Jul 2025 11:23

Tgt Ion:172 Resp: 718776
Ion Ratio Lower Upper
172 100
171 35.2 28.2 42.4
170 23.3 18.5 27.7

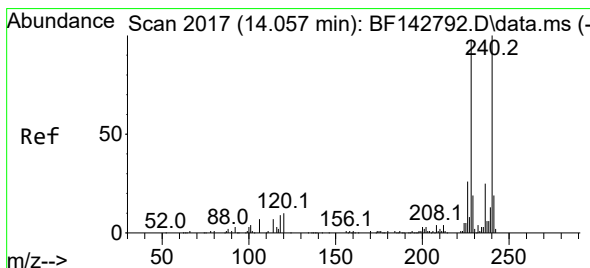
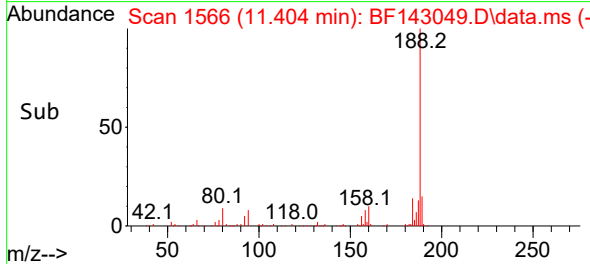
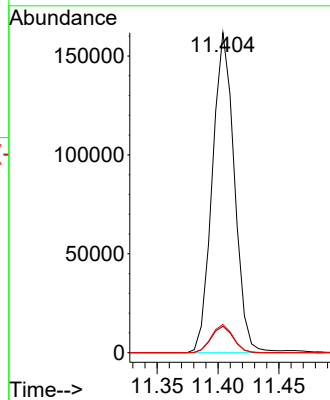
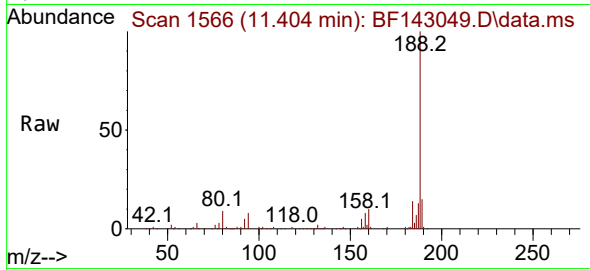




#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.404 min Scan# 11
Delta R.T. -0.006 min
Lab File: BF143049.D
Acq: 09 Jul 2025 11:23

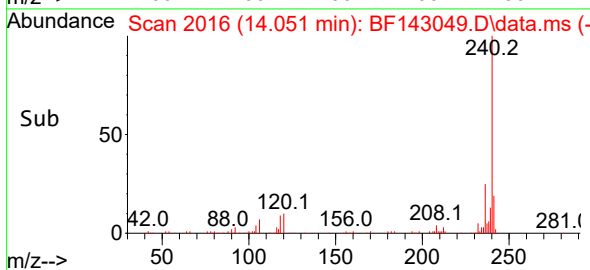
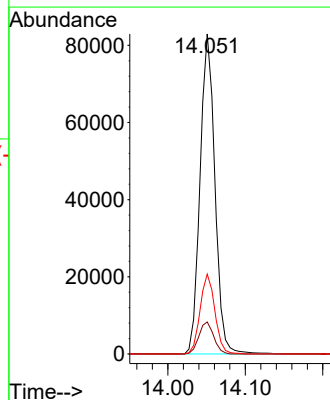
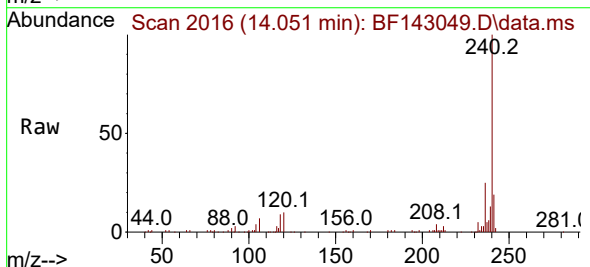
Instrument :
BNA_F
ClientSampleId :
PB168737BL

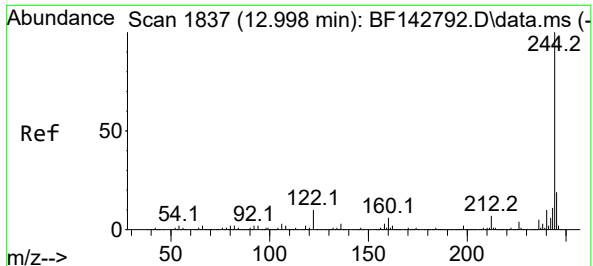
Tgt Ion:188 Resp: 203771
Ion Ratio Lower Upper
188 100
94 8.3 6.7 10.1
80 8.8 6.9 10.3



#76
Chrysene-d12
Concen: 20.000 ng
RT: 14.051 min Scan# 2016
Delta R.T. -0.006 min
Lab File: BF143049.D
Acq: 09 Jul 2025 11:23

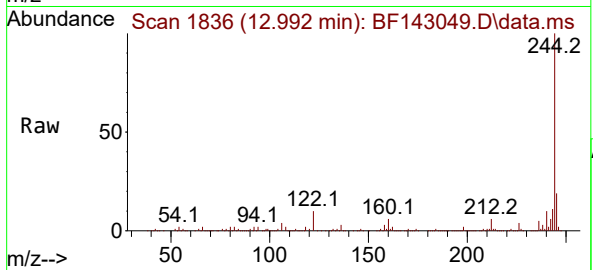
Tgt Ion:240 Resp: 110413
Ion Ratio Lower Upper
240 100
120 10.0 8.2 12.2
236 25.0 19.8 29.8



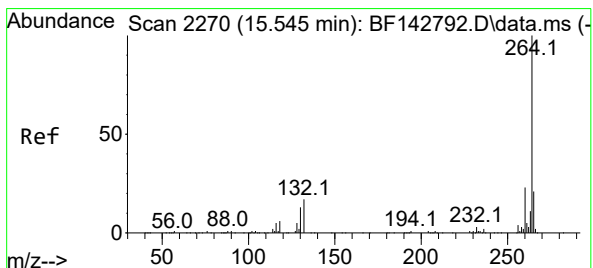
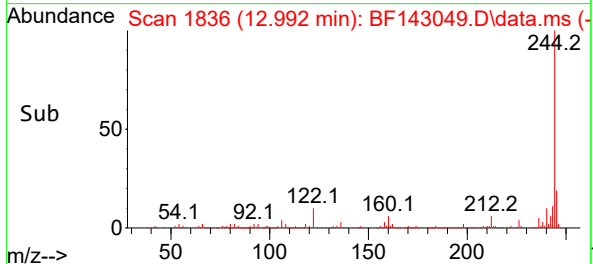
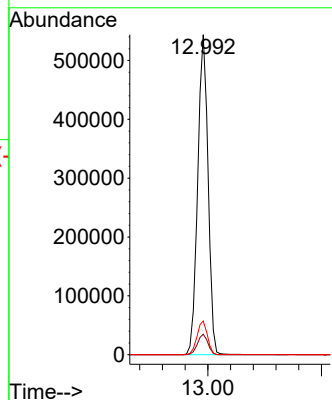


#79
Terphenyl-d14
Concen: 86.605 ng
RT: 12.992 min Scan# 1836
Delta R.T. -0.006 min
Lab File: BF143049.D
Acq: 09 Jul 2025 11:23

Instrument :
BNA_F
ClientSampleId :
PB168737BL

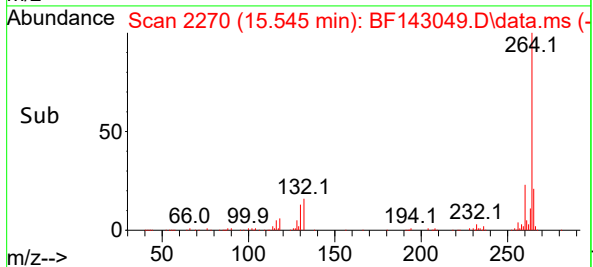
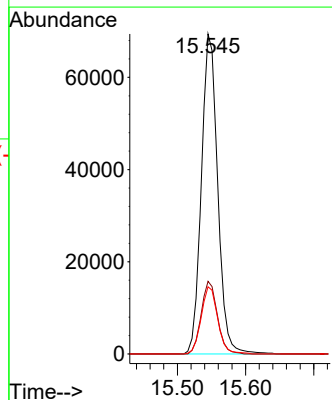
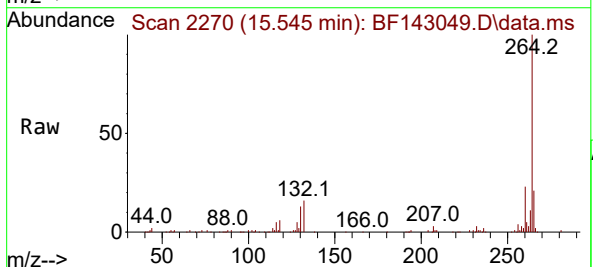


Tgt Ion:244 Resp: 692069
Ion Ratio Lower Upper
244 100
212 6.4 5.4 8.0
122 10.5 8.2 12.2



#86
Perylene-d12
Concen: 20.000 ng
RT: 15.545 min Scan# 2270
Delta R.T. 0.000 min
Lab File: BF143049.D
Acq: 09 Jul 2025 11:23

Tgt Ion:264 Resp: 115591
Ion Ratio Lower Upper
264 100
260 22.7 18.1 27.1
265 21.0 16.6 25.0



Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF070925\
 Data File : BF143049.D
 Acq On : 09 Jul 2025 11:23
 Operator : RC/JU
 Sample : PB168737BL
 Misc :
 ALS Vial : 3 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 PB168737BL

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: BF143049.D\data.ms

peak #	R.T. min	first scan	max scan	last scan	PK TY	peak height	corr. area	corr. % max.	% of total
1	5.104	489	495	517	rBV	85332	146338	7.34%	1.257%
2	5.498	557	562	593	rBV	1064915	1491342	74.77%	12.806%
3	6.504	727	733	755	rBV	1058620	1472987	73.85%	12.648%
4	6.869	790	795	804	rVB	255353	314215	15.75%	2.698%
5	7.434	885	891	906	rBV	696033	960409	48.15%	8.247%
6	8.157	1008	1014	1036	rVB	319375	416785	20.90%	3.579%
7	9.234	1191	1197	1202	rBV	1573272	1994505	100.00%	17.126%
8	9.916	1307	1313	1325	rVB	371322	478881	24.01%	4.112%
9	10.704	1442	1447	1473	rBV	870519	1171768	58.75%	10.062%
10	11.404	1561	1566	1574	rBV	384538	480649	24.10%	4.127%
11	12.992	1830	1836	1841	rBV	1419410	1799638	90.23%	15.453%
12	13.945	1981	1998	2011	rBV5	10749	61027	3.06%	0.524%
13	14.051	2011	2016	2027	rVB	212169	278421	13.96%	2.391%
14	15.321	2226	2232	2241	rBV5	8058	23432	1.17%	0.201%
15	15.545	2264	2270	2282	rBV	178398	291513	14.62%	2.503%
16	17.245	2544	2559	2579	rVB2	59550	263906	13.23%	2.266%

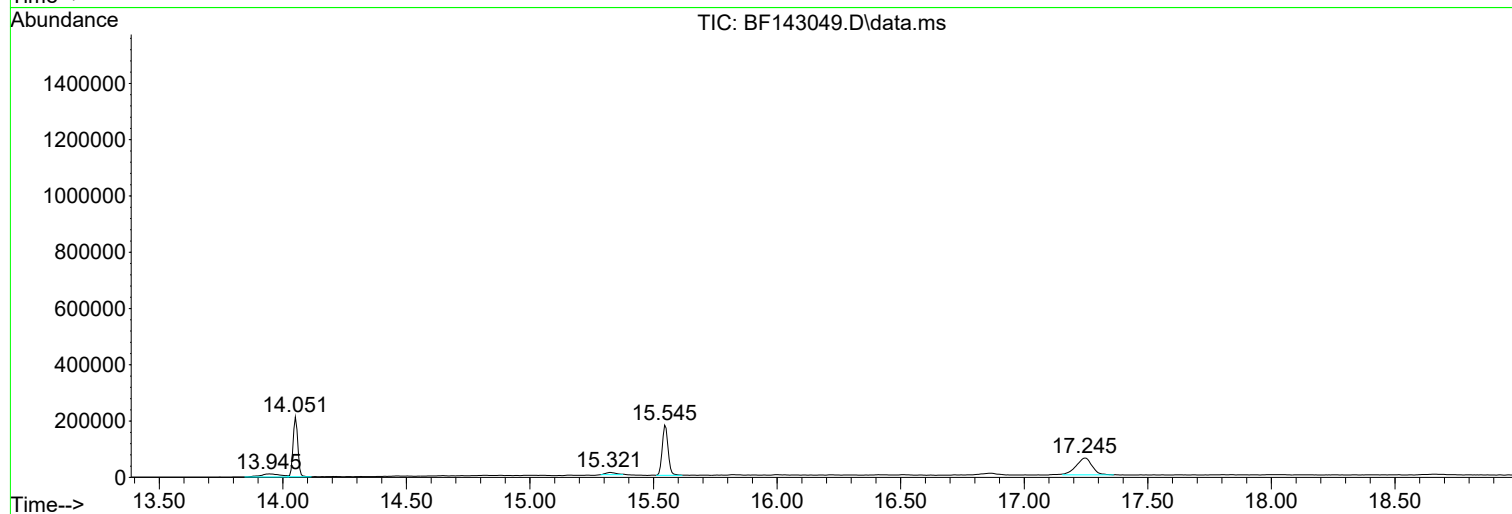
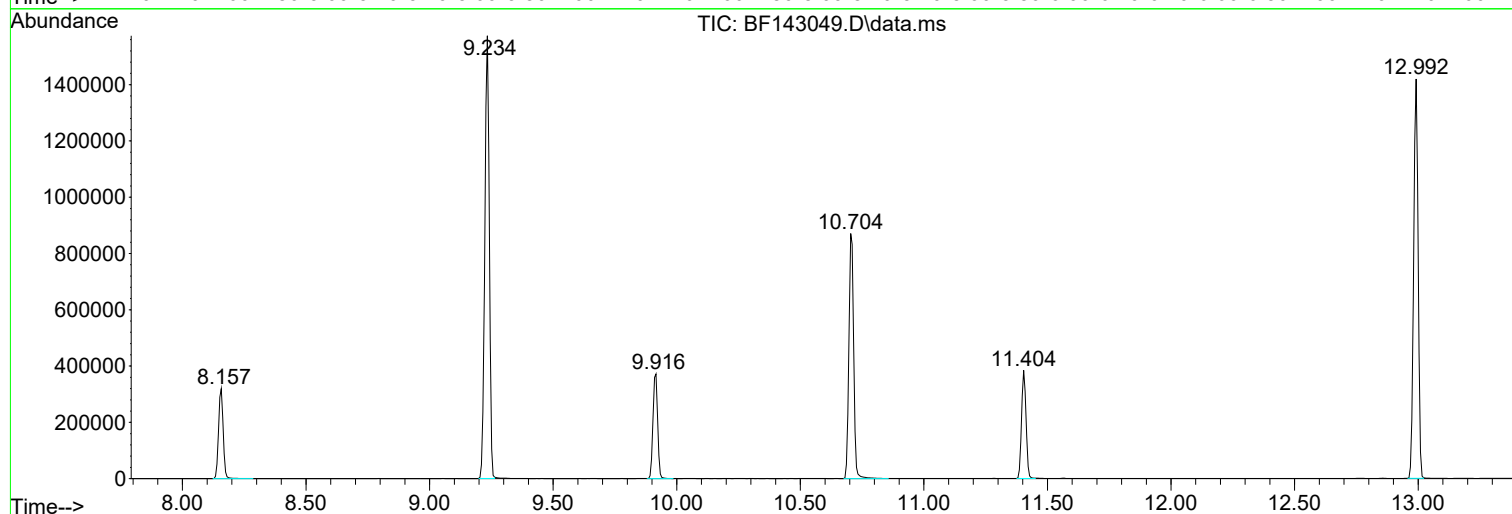
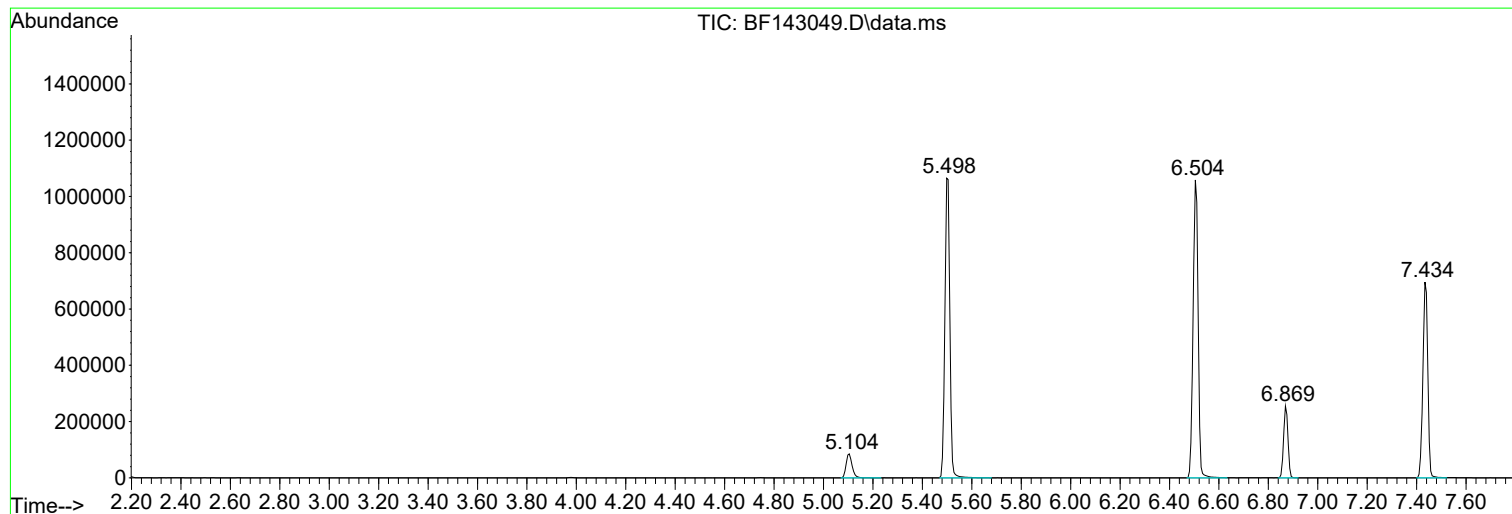
Sum of corrected areas: 11645816

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF070925\
Data File : BF143049.D
Acq On : 09 Jul 2025 11:23
Operator : RC/JU
Sample : PB168737BL
Misc :
ALS Vial : 3 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
PB168737BL

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\BF070925\
Data File : BF143049.D
Acq On : 09 Jul 2025 11:23
Operator : RC/JU
Sample : PB168737BL
Misc :
ALS Vial : 3 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
PB168737BL

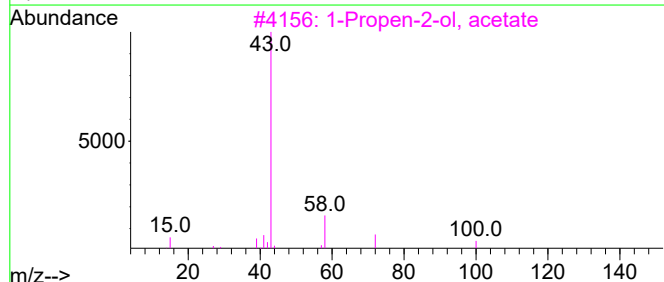
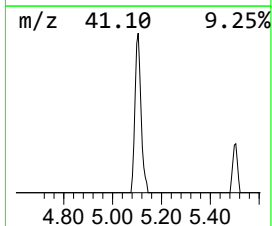
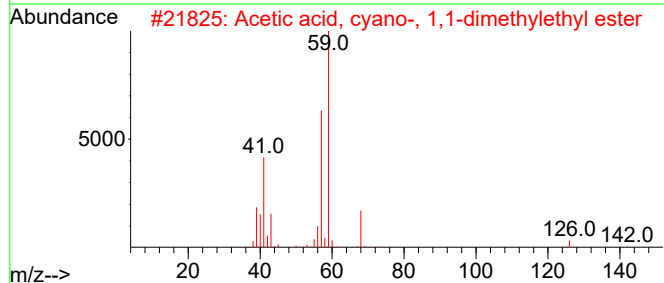
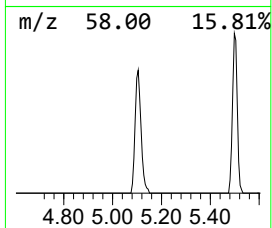
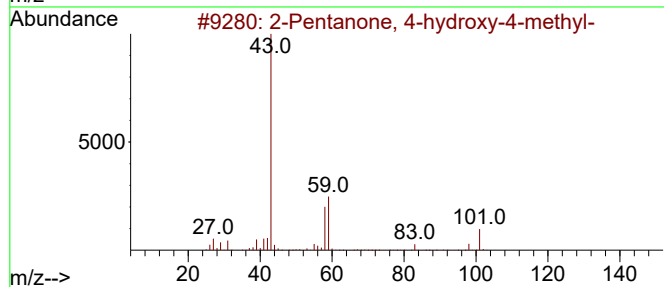
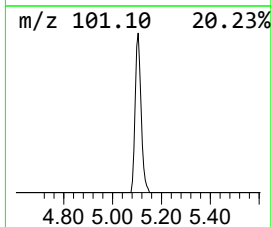
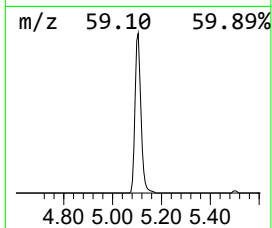
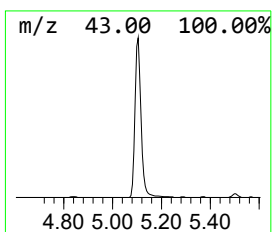
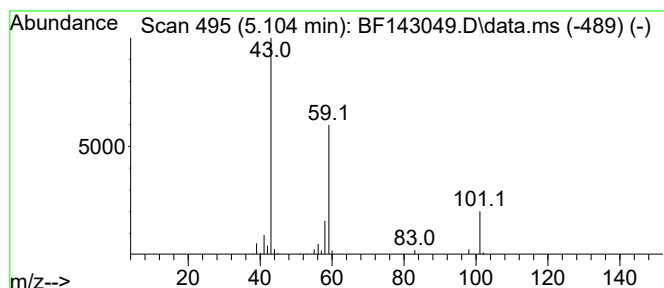
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF061925.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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.
5.104	9.31 ng	146338	1,4-Dichlorobenzene-d4	6.869

Hit#	of	5	Tentative ID	MW	MolForm	CAS#	Qual
1	2-Pentanone, 4-hydroxy-4-methyl-	116	C6H12O2	000123-42-2	64		
2	Acetic acid, cyano-, 1,1-dimethy...	141	C7H11NO2	001116-98-9	25		
3	1-Propen-2-ol, acetate	100	C5H8O2	000108-22-5	10		
4	Butane, 1-ethoxy-	102	C6H14O	000628-81-9	9		
5	Morpholine, 4-methyl-	101	C5H11NO	000109-02-4	9		



Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF070925\
Data File : BF143049.D
Acq On : 09 Jul 2025 11:23
Operator : RC/JU
Sample : PB168737BL
Misc :
ALS Vial : 3 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
PB168737BL

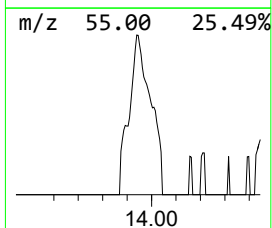
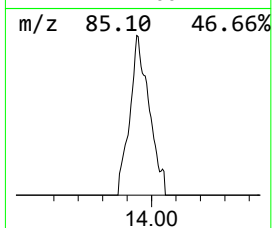
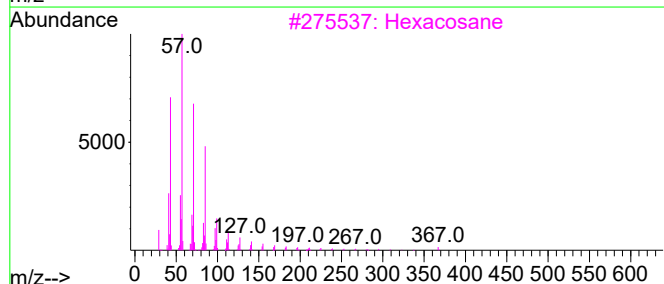
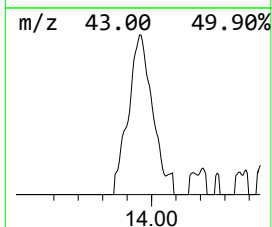
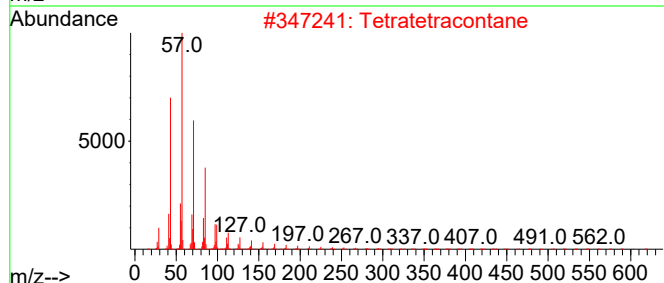
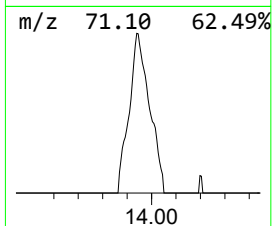
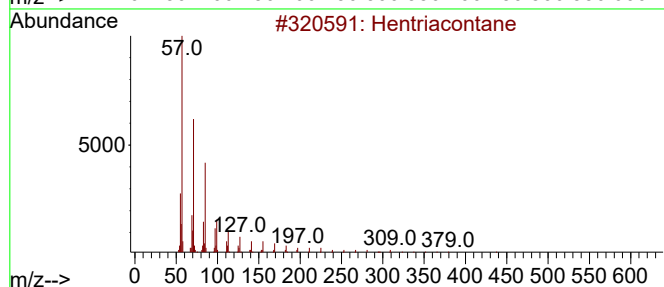
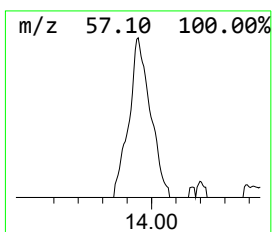
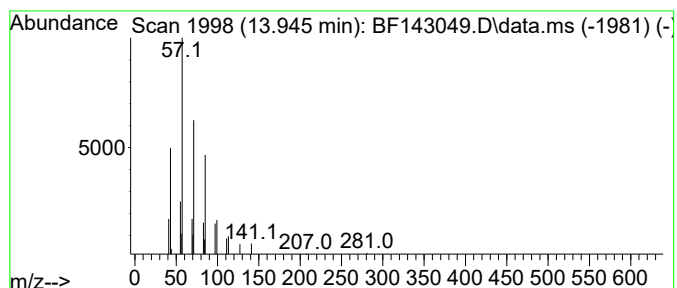
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF061925.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 2 Hentriacontane Concentration Rank 3

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.945	4.38 ng	61027	Chrysene-d12	14.051

Hit#	of	5	Tentative ID	MW	MolForm	CAS#	Qual
1			Hentriacontane	437	C31H64	000630-04-6	91
2			Tetratetracontane	619	C44H90	007098-22-8	90
3			Hexacosane	366	C26H54	000630-01-3	90
4			2-Methyltetracosane	352	C25H52	001560-78-7	90
5			Pentacosane	352	C25H52	000629-99-2	90



Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF070925\
Data File : BF143049.D
Acq On : 09 Jul 2025 11:23
Operator : RC/JU
Sample : PB168737BL
Misc :
ALS Vial : 3 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
PB168737BL

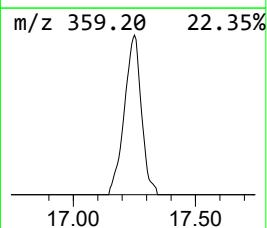
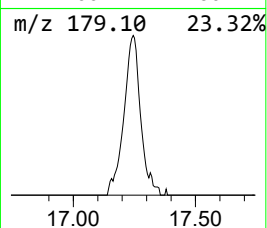
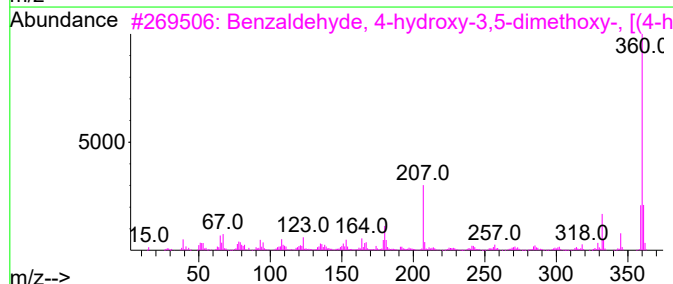
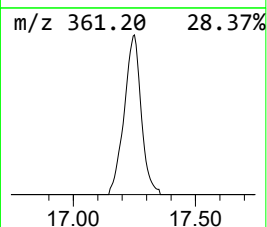
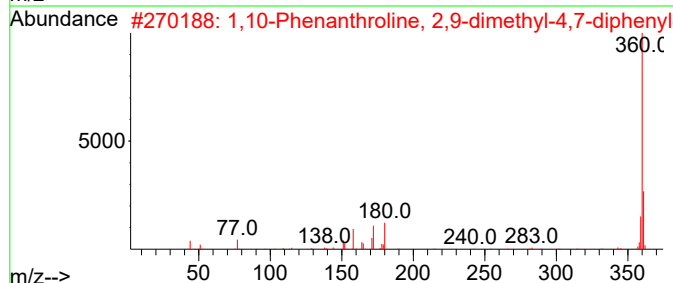
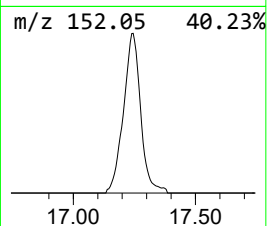
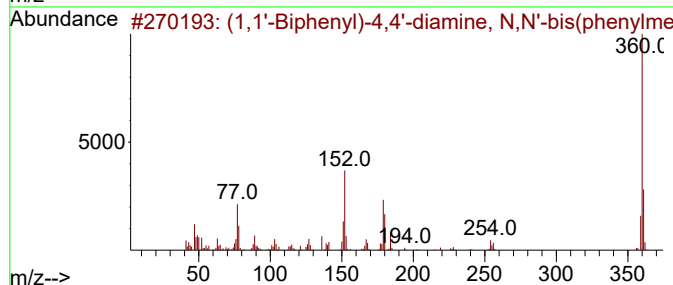
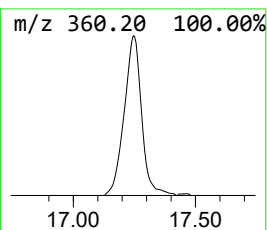
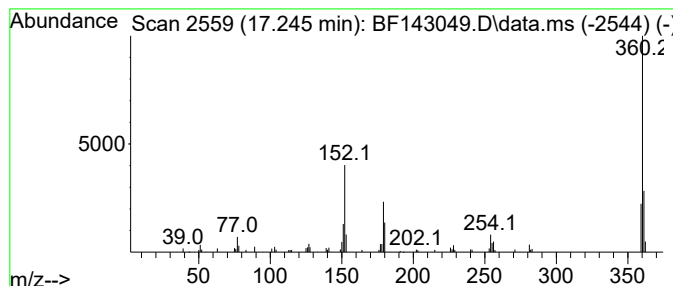
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF061925.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 3 (1,1'-Biphenyl)-4,4'-diamin... Concentration Rank 1

R.T.	EstConc	Area	Relative to ISTD	R.T.
17.245	18.11 ng	263906	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	93
2			1,10-Phenanthroline, 2,9-dimethy...	360	C26H20N2	004733-39-5	52
3			Benzaldehyde, 4-hydroxy-3,5-dime...	360	C18H20N2O6	014414-32-5	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\BF070925\
Data File : BF143049.D
Acq On : 09 Jul 2025 11:23
Operator : RC/JU
Sample : PB168737BL
Misc :
ALS Vial : 3 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
PB168737BL

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

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

TIC Top Hit name	RT	EstConc	Units	Response	--Internal Standard--			
					#	RT	Resp	Conc
2-Pentanone, 4-...	5.104	9.3	ng	146338	1	6.869	314215	20.0
Hentriacontane	13.945	4.4	ng	61027	5	14.051	278421	20.0
(1,1'-Biphenyl)...	17.245	18.1	ng	263906	6	15.545	291513	20.0

Report of Analysis

Client:	CDM Smith	Date Collected:	
Project:	South River WM Replacement	Date Received:	
Client Sample ID:	PB168737BS	SDG No.:	Q2514
Lab Sample ID:	PB168737BS	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
BF143050.D	1	07/07/25 09:00	07/09/25 11:54	PB168737

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units(Dry Weight)
TARGETS						
100-52-7	Benzaldehyde	1500		160	330	ug/Kg
108-95-2	Phenol	1400		22.1	170	ug/Kg
111-44-4	bis(2-Chloroethyl)ether	1500		24.3	170	ug/Kg
95-57-8	2-Chlorophenol	1500		24.4	170	ug/Kg
95-48-7	2-Methylphenol	1500		29.9	170	ug/Kg
108-60-1	2,2-oxybis(1-Chloropropane)	1300		37.5	170	ug/Kg
98-86-2	Acetophenone	1500		29.5	170	ug/Kg
65794-96-9	3+4-Methylphenols	1500		41.1	330	ug/Kg
621-64-7	n-Nitroso-di-n-propylamine	1500		47.4	80.0	ug/Kg
67-72-1	Hexachloroethane	1500		17.6	170	ug/Kg
98-95-3	Nitrobenzene	1400		18.3	170	ug/Kg
78-59-1	Isophorone	1500		32.8	170	ug/Kg
88-75-5	2-Nitrophenol	1500		58.2	170	ug/Kg
105-67-9	2,4-Dimethylphenol	1500		64.8	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	870		35.4	170	ug/Kg
87-68-3	Hexachlorobutadiene	1500		25.3	170	ug/Kg
105-60-2	Caprolactam	1600		52.1	330	ug/Kg
59-50-7	4-Chloro-3-methylphenol	1500		28.7	170	ug/Kg
91-57-6	2-Methylnaphthalene	1500		25.6	170	ug/Kg
77-47-4	Hexachlorocyclopentadiene	2500		120	330	ug/Kg
88-06-2	2,4,6-Trichlorophenol	1400		19.8	170	ug/Kg
95-95-4	2,4,5-Trichlorophenol	1400		29.1	170	ug/Kg
92-52-4	1,1-Biphenyl	1500		21.8	170	ug/Kg
91-58-7	2-Chloronaphthalene	1500		22.5	170	ug/Kg
88-74-4	2-Nitroaniline	1500		48.1	170	ug/Kg
131-11-3	Dimethylphthalate	1600		27.1	170	ug/Kg

Report of Analysis

Client:	CDM Smith	Date Collected:	
Project:	South River WM Replacement	Date Received:	
Client Sample ID:	PB168737BS	SDG No.:	Q2514
Lab Sample ID:	PB168737BS	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
BF143050.D	1	07/07/25 09:00	07/09/25 11:54	PB168737

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	1600		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	3000	E	230	330	ug/Kg
100-02-7	4-Nitrophenol	2400		110	330	ug/Kg
132-64-9	Dibenzofuran	1500		22.7	170	ug/Kg
121-14-2	2,4-Dinitrotoluene	1600		50.1	170	ug/Kg
84-66-2	Diethylphthalate	1600		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	1500		64.2	170	ug/Kg
534-52-1	4,6-Dinitro-2-methylphenol	1500		100	330	ug/Kg
86-30-6	n-Nitrosodiphenylamine	1500		32.9	170	ug/Kg
101-55-3	4-Bromophenyl-phenylether	1500		27.8	170	ug/Kg
118-74-1	Hexachlorobenzene	1500		25.3	170	ug/Kg
1912-24-9	Atrazine	1700		34.0	170	ug/Kg
87-86-5	Pentachlorophenol	2400		51.3	330	ug/Kg
85-01-8	Phenanthrene	1500		20.9	170	ug/Kg
120-12-7	Anthracene	1500		33.3	170	ug/Kg
86-74-8	Carbazole	1500		31.2	170	ug/Kg
84-74-2	Di-n-butylphthalate	1600		47.9	170	ug/Kg
206-44-0	Fluoranthene	1500		30.0	170	ug/Kg
129-00-0	Pyrene	1500		36.0	170	ug/Kg
85-68-7	Butylbenzylphthalate	1600		71.4	170	ug/Kg
91-94-1	3,3-Dichlorobenzidine	830		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	1600		59.2	170	ug/Kg
117-84-0	Di-n-octyl phthalate	1600		86.8	330	ug/Kg
205-99-2	Benzo(b)fluoranthene	1400		19.0	170	ug/Kg

Report of Analysis

Client:	CDM Smith	Date Collected:	
Project:	South River WM Replacement	Date Received:	
Client Sample ID:	PB168737BS	SDG No.:	Q2514
Lab Sample ID:	PB168737BS	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
BF143050.D	1	07/07/25 09:00	07/09/25 11:54	PB168737

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units(Dry Weight)
207-08-9	Benzo(k)fluoranthene	1600		22.4	170	ug/Kg
50-32-8	Benzo(a)pyrene	1500		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	1200		45.2	170	ug/Kg
58-90-2	2,3,4,6-Tetrachlorophenol	1500		27.4	170	ug/Kg
SURROGATES						
367-12-4	2-Fluorophenol	128		18 - 112	86%	SPK: 150
13127-88-3	Phenol-d6	129		15 - 107	86%	SPK: 150
4165-60-0	Nitrobenzene-d5	80.5		18 - 107	80%	SPK: 100
321-60-8	2-Fluorobiphenyl	80.5		20 - 109	81%	SPK: 100
118-79-6	2,4,6-Tribromophenol	139		10 - 116	92%	SPK: 150
1718-51-0	Terphenyl-d14	84.1		10 - 105	84%	SPK: 100
INTERNAL STANDARDS						
3855-82-1	1,4-Dichlorobenzene-d4	58300	6.875			
1146-65-2	Naphthalene-d8	228000	8.157			
15067-26-2	Acenaphthene-d10	122000	9.916			
1517-22-2	Phenanthrene-d10	206000	11.404			
1719-03-5	Chrysene-d12	108000	14.057			
1520-96-3	Perylene-d12	126000	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\BF070925\
 Data File : BF143050.D
 Acq On : 09 Jul 2025 11:54
 Operator : RC/JU
 Sample : PB168737BS
 Misc :
 ALS Vial : 4 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 PB168737BS

Quant Time: Jul 09 12:15:29 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	58302	20.000	ng	0.00
21) Naphthalene-d8	8.157	136	228077	20.000	ng	-0.01
39) Acenaphthene-d10	9.916	164	121529	20.000	ng	0.00
64) Phenanthrene-d10	11.404	188	206226	20.000	ng	0.00
76) Chrysene-d12	14.057	240	108155	20.000	ng	0.00
86) Perylene-d12	15.545	264	126456	20.000	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.504	112	449648	128.406	ng	0.01
7) Phenol-d6	6.510	99	531316	128.604	ng	0.00
23) Nitrobenzene-d5	7.440	82	334645	80.480	ng	0.00
42) 2,4,6-Tribromophenol	10.710	330	173308	138.578	ng	0.00
45) 2-Fluorobiphenyl	9.234	172	744829	80.513	ng	-0.01
79) Terphenyl-d14	12.992	244	658375	84.109	ng	0.00
Target Compounds						Qvalue
2) 1,4-Dioxane	2.716	88	50294	35.908	ng	98
3) Pyridine	3.481	79	136499	38.874	ng	96
4) n-Nitrosodimethylamine	3.440	42	73847	40.670	ng	98
6) Aniline	6.534	93	188534	34.296	ng	# 65
8) 2-Chlorophenol	6.657	128	168543	44.619	ng	99
9) Benzaldehyde	6.422	77	108014	44.068	ng	100
10) Phenol	6.528	94	199506	43.443	ng	75
11) bis(2-Chloroethyl)ether	6.604	93	147349	44.893	ng	97
12) 1,3-Dichlorobenzene	6.810	146	183182	43.361	ng	99
13) 1,4-Dichlorobenzene	6.893	146	185779	43.587	ng	99
14) 1,2-Dichlorobenzene	7.040	146	175552	43.424	ng	98
15) Benzyl Alcohol	7.016	79	135160	45.253	ng	98
16) 2,2'-oxybis(1-Chloropr...	7.145	45	212911	40.375	ng	80
17) 2-Methylphenol	7.134	107	127680	44.603	ng	95
18) Hexachloroethane	7.381	117	66815	44.817	ng	100
19) n-Nitroso-di-n-propyla...	7.287	70	109219	45.454	ng	96
20) 3+4-Methylphenols	7.287	107	164295	46.032	ng	98
22) Acetophenone	7.281	105	224694	44.675	ng	100
24) Nitrobenzene	7.457	77	161798	42.991	ng	99
25) Isophorone	7.698	82	294629	44.170	ng	100
26) 2-Nitrophenol	7.775	139	94009	45.855	ng	98
27) 2,4-Dimethylphenol	7.810	122	155883m	43.896	ng	
28) bis(2-Chloroethoxy)met...	7.904	93	185475	43.737	ng	100
29) 2,4-Dichlorophenol	8.022	162	144105	44.754	ng	99
30) 1,2,4-Trichlorobenzene	8.098	180	152029	42.938	ng	99
31) Naphthalene	8.181	128	486485	43.576	ng	100
32) Benzoic acid	7.945	122	75951	41.962	ng	96
33) 4-Chloroaniline	8.228	127	118697	26.148	ng	99
34) Hexachlorobutadiene	8.292	225	95154	43.935	ng	99
35) Caprolactam	8.610	113	41350m	48.666	ng	
36) 4-Chloro-3-methylphenol	8.716	107	144951	45.296	ng	99
37) 2-Methylnaphthalene	8.869	142	304530	43.999	ng	100
38) 1-Methylnaphthalene	8.969	142	316070	44.114	ng	100
40) 1,2,4,5-Tetrachloroben...	9.039	216	157840	44.017	ng	98
41) Hexachlorocyclopentadiene	9.022	237	151098	74.252	ng	98
43) 2,4,6-Trichlorophenol	9.157	196	98098	41.982	ng	99

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF070925\
 Data File : BF143050.D
 Acq On : 09 Jul 2025 11:54
 Operator : RC/JU
 Sample : PB168737BS
 Misc :
 ALS Vial : 4 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 PB168737BS

Quant Time: Jul 09 12:15:29 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

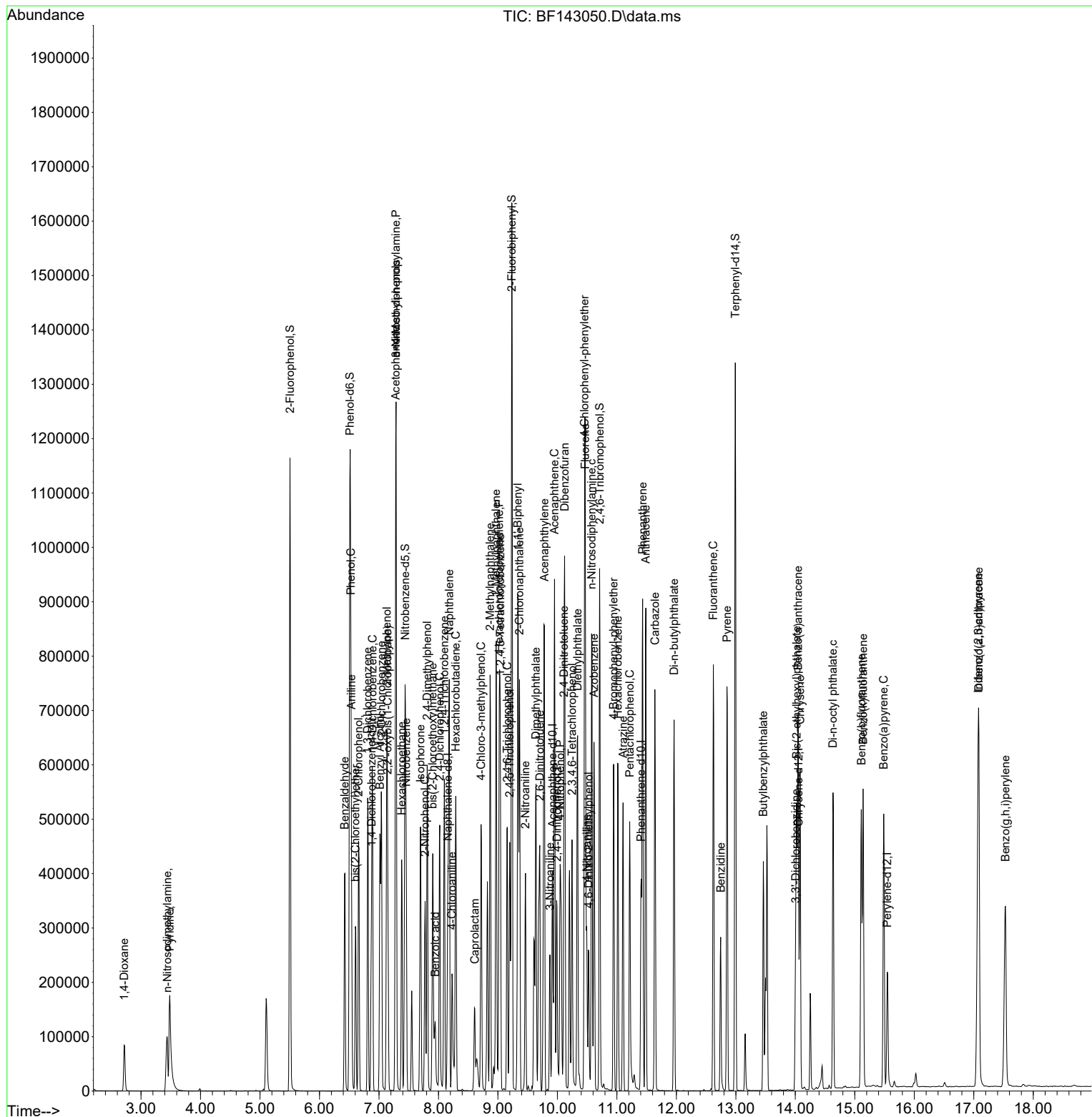
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
44) 2,4,5-Trichlorophenol	9.198	196	104512	42.489	ng	98
46) 1,1'-Biphenyl	9.334	154	429404	44.729	ng	99
47) 2-Chloronaphthalene	9.363	162	313651	43.537	ng	99
48) 2-Nitroaniline	9.463	65	89915	44.518	ng	95
49) Acenaphthylene	9.781	152	524170	44.198	ng	99
50) Dimethylphthalate	9.639	163	366959	46.648	ng	100
51) 2,6-Dinitrotoluene	9.704	165	80555	46.629	ng	98
52) Acenaphthene	9.951	154	354292m	48.963	ng	
53) 3-Nitroaniline	9.875	138	58083	30.537	ng	99
54) 2,4-Dinitrophenol	9.992	184	78340	90.563	ng	95
55) Dibenzofuran	10.122	168	463528	44.673	ng	100
56) 4-Nitrophenol	10.045	139	95638	73.445	ng	97
57) 2,4-Dinitrotoluene	10.110	165	107991	47.060	ng	94
58) Fluorene	10.469	166	368742	45.504	ng	100
59) 2,3,4,6-Tetrachlorophenol	10.245	232	91493	46.145	ng	92
60) Diethylphthalate	10.339	149	361272	46.839	ng	99
61) 4-Chlorophenyl-phenyle...	10.457	204	176041	45.525	ng	99
62) 4-Nitroaniline	10.492	138	77682	44.655	ng	97
63) Azobenzene	10.616	77	310675	45.067	ng	99
65) 4,6-Dinitro-2-methylph...	10.528	198	55980	44.878	ng	99
66) n-Nitrosodiphenylamine	10.575	169	317396	44.408	ng	99
67) 4-Bromophenyl-phenylether	10.945	248	106772	45.492	ng	97
68) Hexachlorobenzene	11.016	284	118369	45.388	ng	99
69) Atrazine	11.104	200	92623	50.184	ng	99
70) Pentachlorophenol	11.216	266	93964	72.305	ng	99
71) Phenanthrene	11.433	178	490556	43.912	ng	99
72) Anthracene	11.486	178	506842	44.238	ng	100
73) Carbazole	11.639	167	437258	44.225	ng	99
74) Di-n-butylphthalate	11.963	149	498833	48.431	ng	100
75) Fluoranthene	12.622	202	465293	43.887	ng	100
77) Benzidine	12.745	184	162907	40.090	ng	99
78) Pyrene	12.851	202	458140	45.191	ng	100
80) Butylbenzylphthalate	13.463	149	144006	48.970	ng	97
81) Benzo(a)anthracene	14.045	228	324209	44.435	ng	99
82) 3,3'-Dichlorobenzidine	14.004	252	58933	24.902	ng	99
83) Chrysene	14.080	228	287397	44.143	ng	99
84) Bis(2-ethylhexyl)phtha...	14.021	149	203388	48.071	ng	100
85) Di-n-octyl phthalate	14.633	149	387425	48.561	ng	98
87) Indeno(1,2,3-cd)pyrene	17.074	276	410298	42.597	ng	99
88) Benzo(b)fluoranthene	15.110	252	316328	43.230	ng	100
89) Benzo(k)fluoranthene	15.139	252	324795	47.444	ng	99
90) Benzo(a)pyrene	15.486	252	319058	45.135	ng	99
91) Dibenzo(a,h)anthracene	17.086	278	332637	42.503	ng	98
92) Benzo(g,h,i)perylene	17.533	276	327253	41.934	ng	98

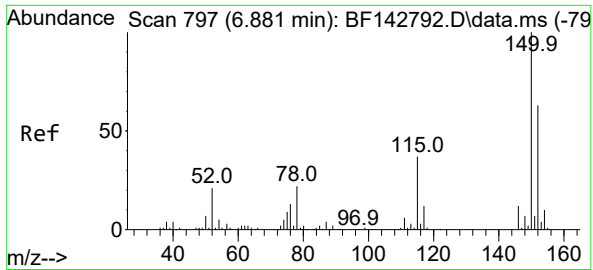
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Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF070925\
Data File : BF143050.D
Acq On : 09 Jul 2025 11:54
Operator : RC/JU
Sample : PB168737BS
Misc :
ALS Vial : 4 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
PB168737BS

Quant Time: Jul 09 12:15:29 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

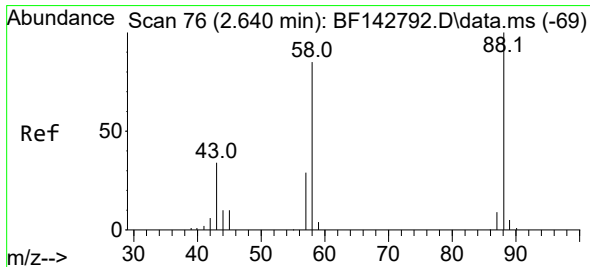
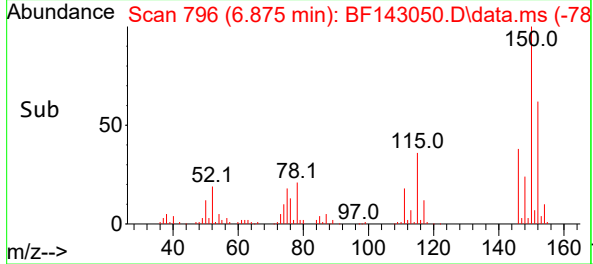
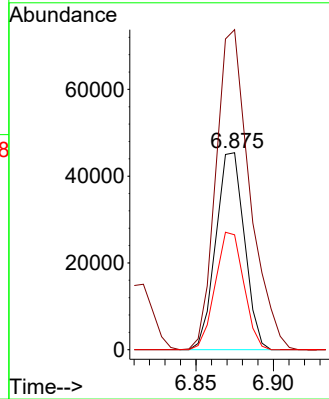
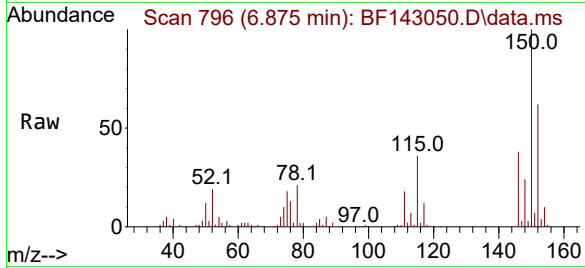




#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.875 min Scan# 79
Delta R.T. -0.006 min
Lab File: BF143050.D
Acq: 09 Jul 2025 11:54

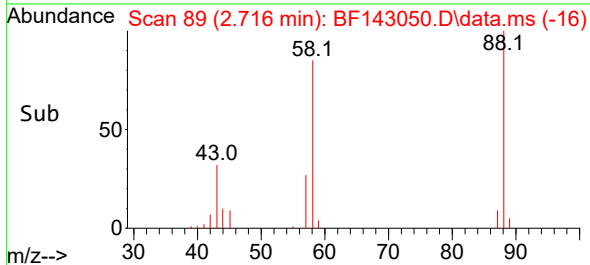
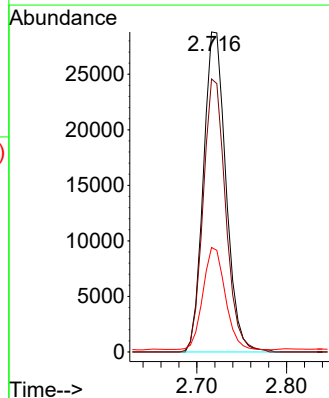
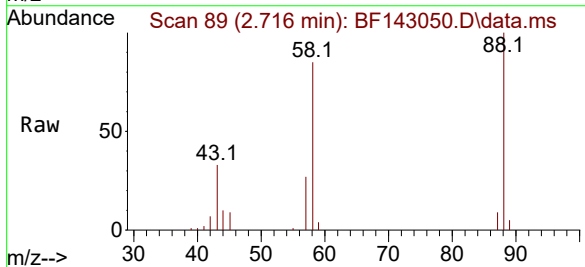
Instrument :
BNA_F
ClientSampleId :
PB168737BS

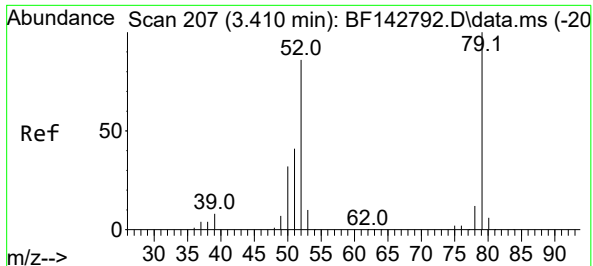
Tgt Ion:152 Resp: 58302
Ion Ratio Lower Upper
152 100
150 162.5 127.2 190.8
115 58.3 46.6 69.8



#2
1,4-Dioxane
Concen: 35.908 ng
RT: 2.716 min Scan# 89
Delta R.T. 0.077 min
Lab File: BF143050.D
Acq: 09 Jul 2025 11:54

Tgt Ion: 88 Resp: 50294
Ion Ratio Lower Upper
88 100
58 85.1 69.1 103.7
43 31.8 27.4 41.2

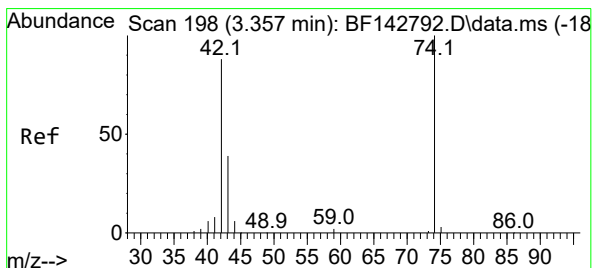
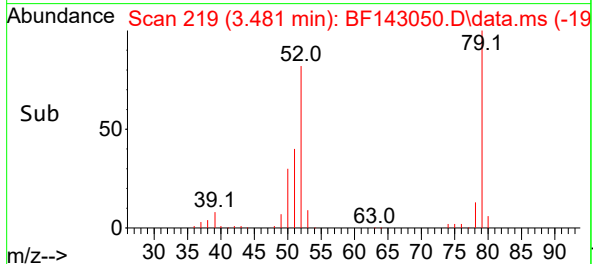
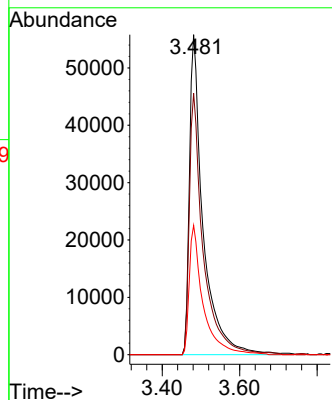
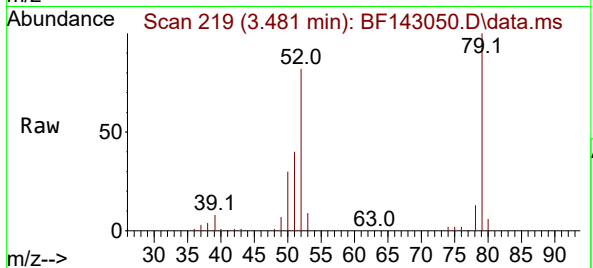




#3
Pyridine
Concen: 38.874 ng
RT: 3.481 min Scan# 211
Delta R.T. 0.071 min
Lab File: BF143050.D
Acq: 09 Jul 2025 11:54

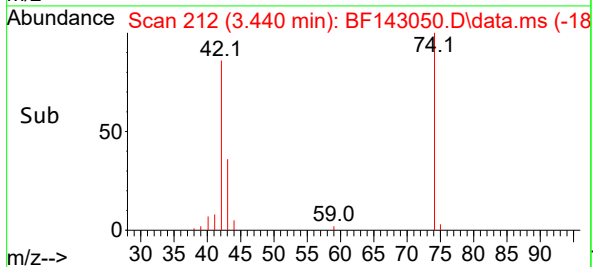
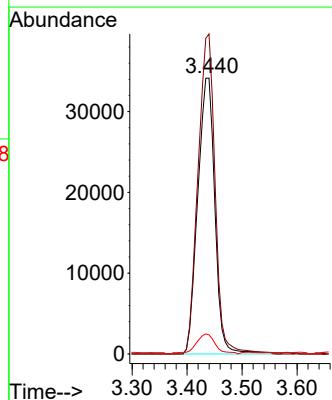
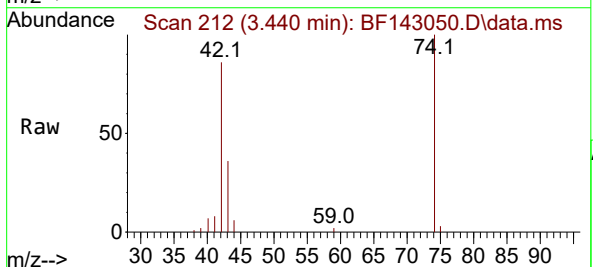
Instrument :
BNA_F
ClientSampleId :
PB168737BS

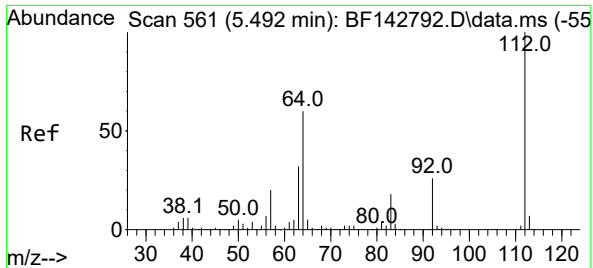
Tgt Ion: 79 Resp: 136499
Ion Ratio Lower Upper
79 100
52 81.7 69.2 103.8
51 40.4 33.2 49.8



#4
n-Nitrosodimethylamine
Concen: 40.670 ng
RT: 3.440 min Scan# 212
Delta R.T. 0.083 min
Lab File: BF143050.D
Acq: 09 Jul 2025 11:54

Tgt Ion: 42 Resp: 73847
Ion Ratio Lower Upper
42 100
74 116.0 90.9 136.3
44 6.9 5.8 8.6

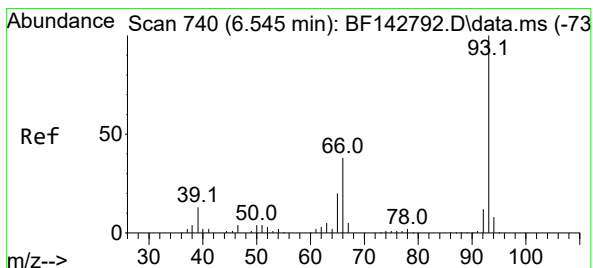
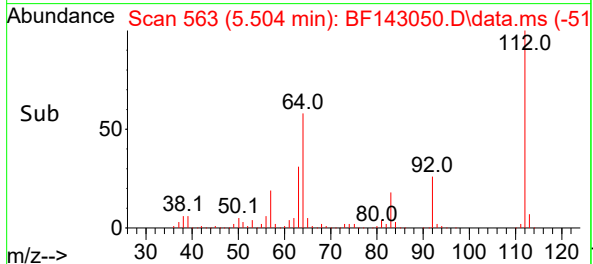
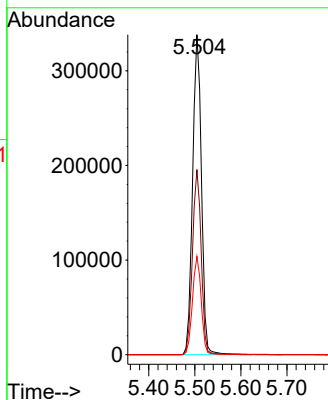
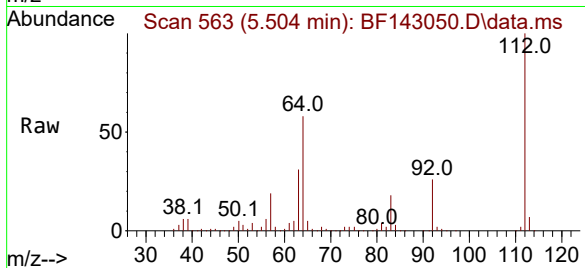




#5
2-Fluorophenol
Concen: 128.406 ng
RT: 5.504 min Scan# 501
Delta R.T. 0.012 min
Lab File: BF143050.D
Acq: 09 Jul 2025 11:54

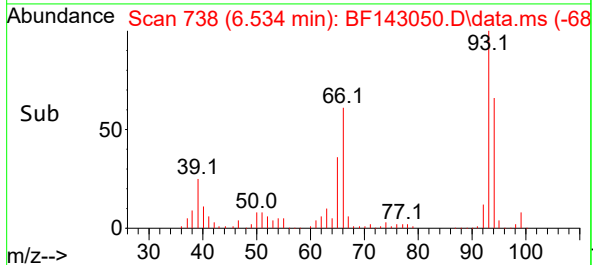
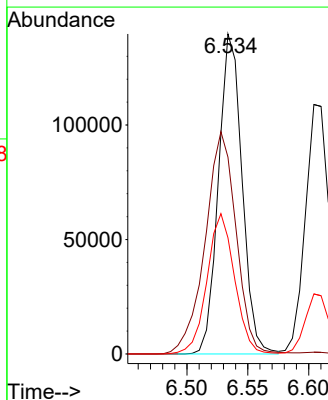
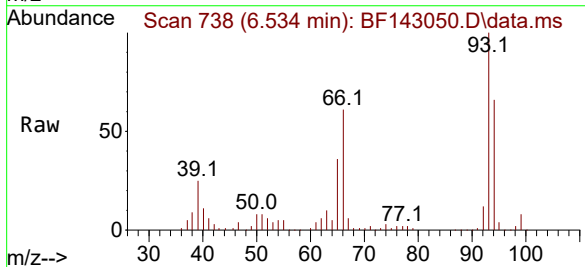
Instrument :
BNA_F
ClientSampleId :
PB168737BS

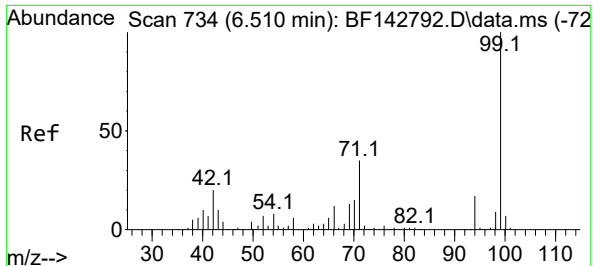
Tgt Ion:112 Resp: 449648
Ion Ratio Lower Upper
112 100
64 57.8 48.2 72.2
63 30.7 25.7 38.5



#6
Aniline
Concen: 34.296 ng
RT: 6.534 min Scan# 738
Delta R.T. -0.012 min
Lab File: BF143050.D
Acq: 09 Jul 2025 11:54

Tgt Ion: 93 Resp: 188534
Ion Ratio Lower Upper
93 100
66 61.5 31.8 47.6#
65 36.3 16.2 24.2#

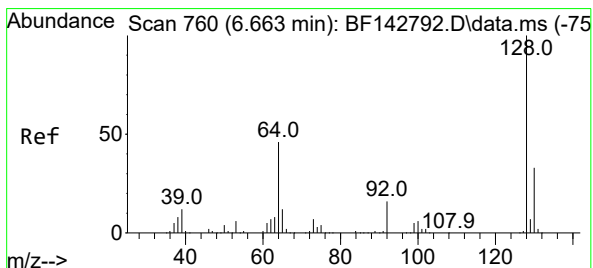
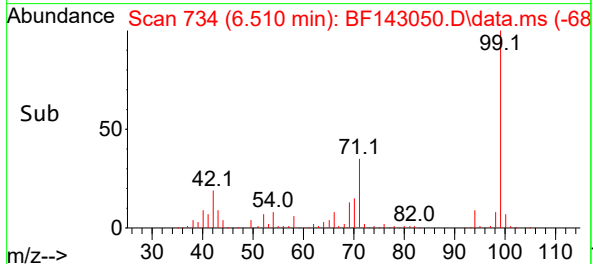
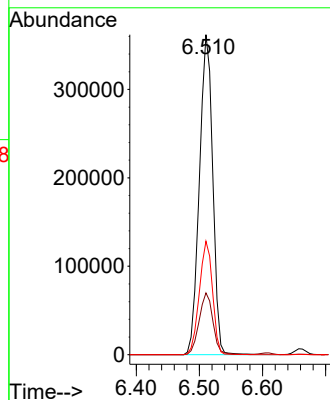
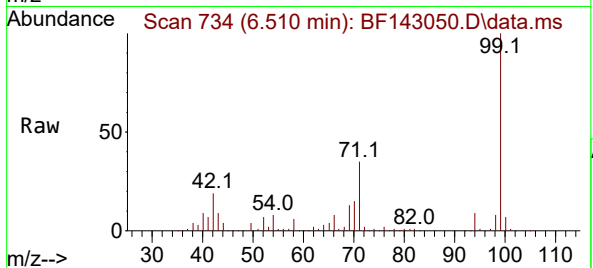




#7
Phenol-d6
Concen: 128.604 ng
RT: 6.510 min Scan# 710
Delta R.T. 0.000 min
Lab File: BF143050.D
Acq: 09 Jul 2025 11:54

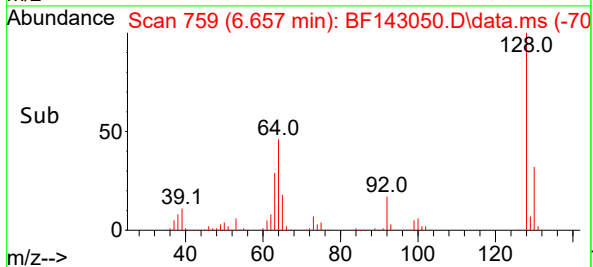
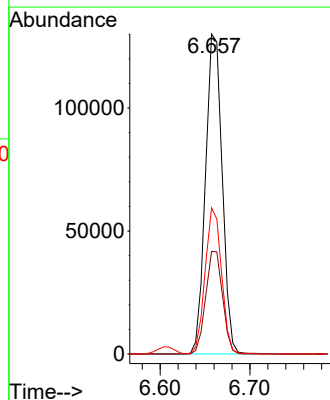
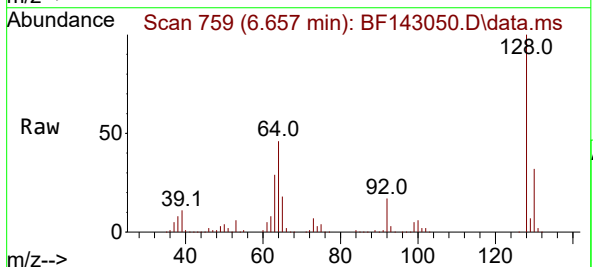
Instrument :
BNA_F
ClientSampleId :
PB168737BS

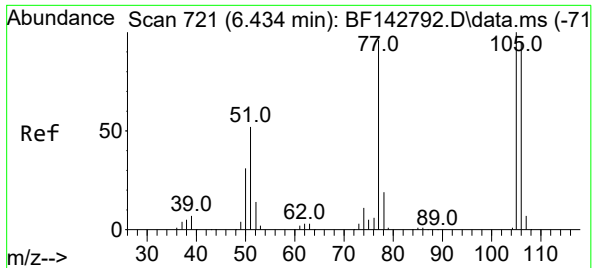
Tgt Ion: 99 Resp: 531316
Ion Ratio Lower Upper
99 100
42 19.3 15.9 23.9
71 35.5 27.8 41.8



#8
2-Chlorophenol
Concen: 44.619 ng
RT: 6.657 min Scan# 759
Delta R.T. -0.006 min
Lab File: BF143050.D
Acq: 09 Jul 2025 11:54

Tgt Ion: 128 Resp: 168543
Ion Ratio Lower Upper
128 100
130 32.1 12.7 52.7
64 45.7 26.5 66.5

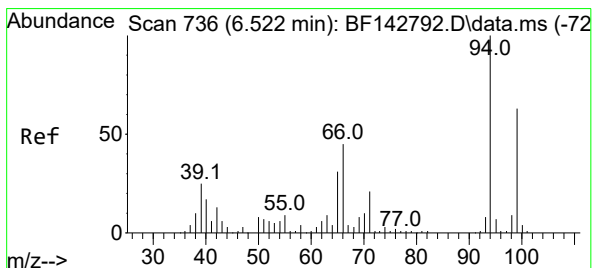
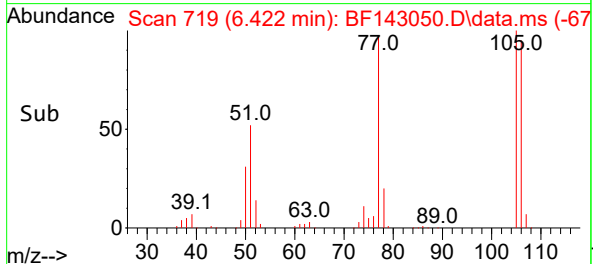
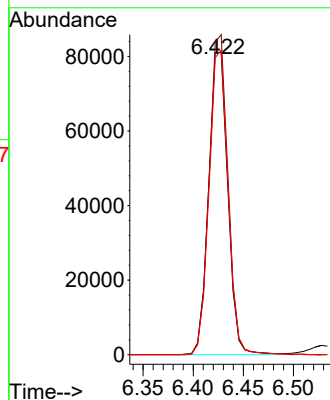
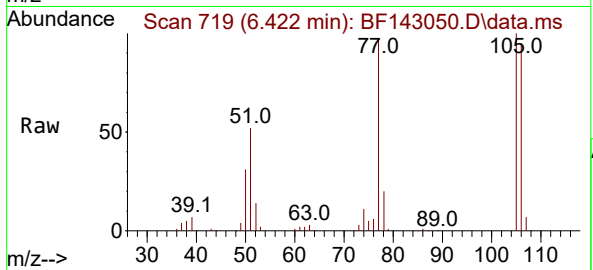




#9
Benzaldehyde
Concen: 44.068 ng
RT: 6.422 min Scan# 719
Delta R.T. -0.012 min
Lab File: BF143050.D
Acq: 09 Jul 2025 11:54

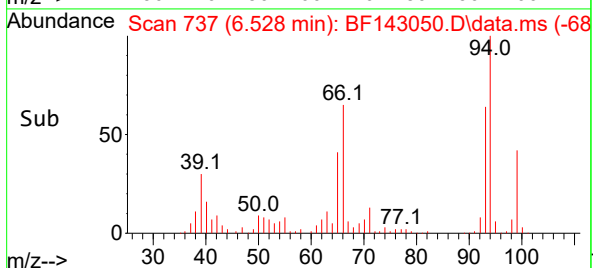
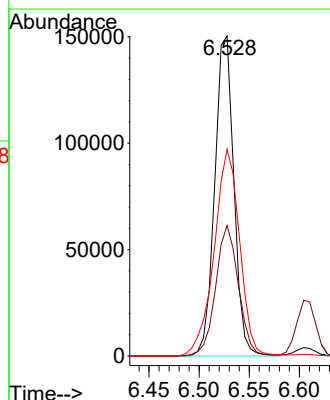
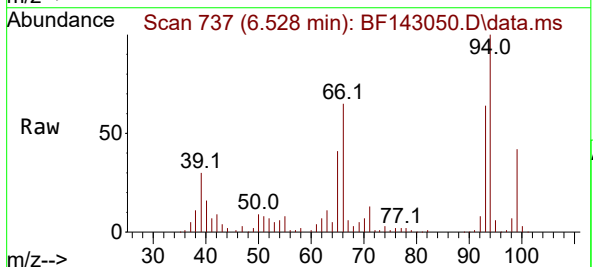
Instrument :
BNA_F
ClientSampleId :
PB168737BS

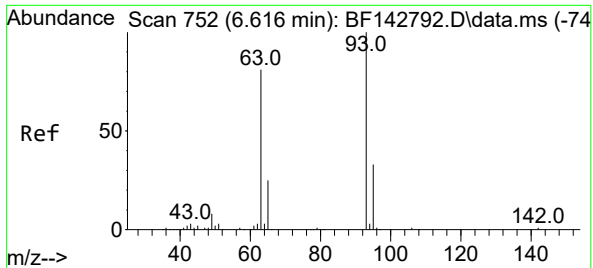
Tgt Ion: 77 Resp: 108014
Ion Ratio Lower Upper
77 100
105 103.6 83.8 123.8
106 98.3 78.7 118.7



#10
Phenol
Concen: 43.443 ng
RT: 6.528 min Scan# 737
Delta R.T. 0.006 min
Lab File: BF143050.D
Acq: 09 Jul 2025 11:54

Tgt Ion: 94 Resp: 199506
Ion Ratio Lower Upper
94 100
65 40.8 11.3 51.3
66 64.6 24.9 64.9

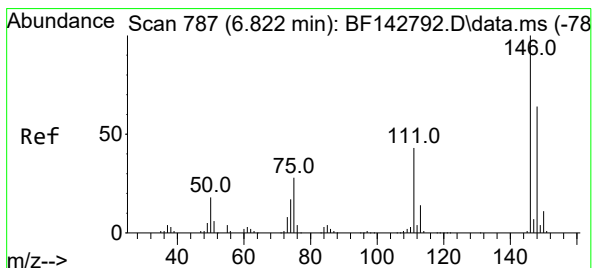
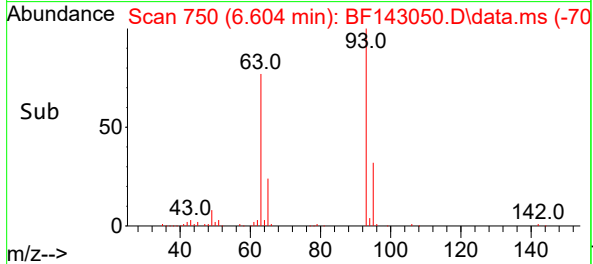
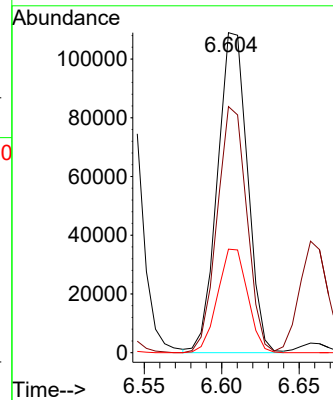
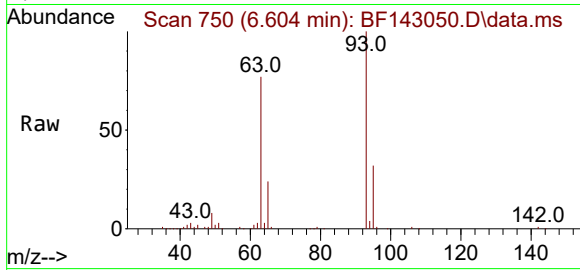




#11
bis(2-Chloroethyl)ether
Concen: 44.893 ng
RT: 6.604 min Scan# 750
Delta R.T. -0.012 min
Lab File: BF143050.D
Acq: 09 Jul 2025 11:54

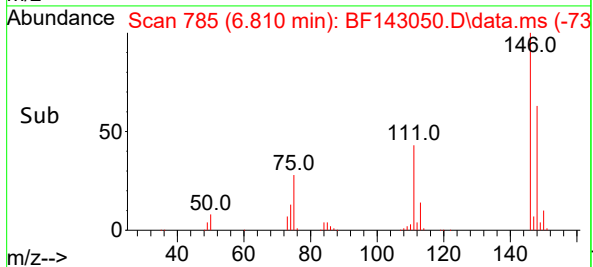
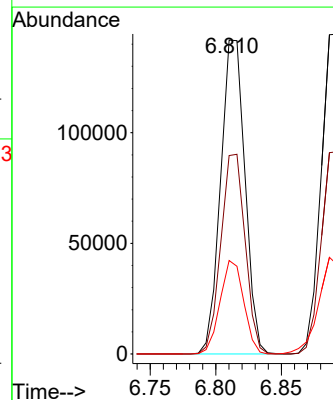
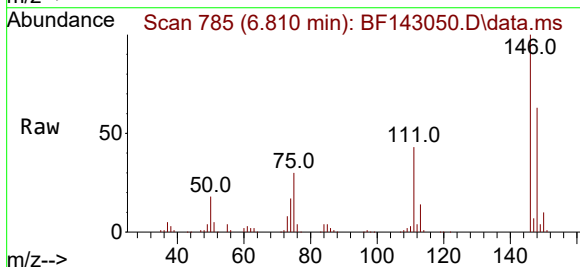
Instrument :
BNA_F
ClientSampleId :
PB168737BS

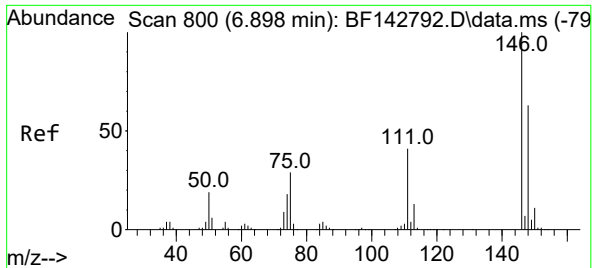
Tgt Ion: 93 Resp: 147349
Ion Ratio Lower Upper
93 100
63 76.9 60.3 100.3
95 32.4 12.5 52.5



#12
1,3-Dichlorobenzene
Concen: 43.361 ng
RT: 6.810 min Scan# 785
Delta R.T. -0.012 min
Lab File: BF143050.D
Acq: 09 Jul 2025 11:54

Tgt Ion: 146 Resp: 183182
Ion Ratio Lower Upper
146 100
148 63.2 51.1 76.7
75 29.8 22.7 34.1





#13

1,4-Dichlorobenzene

Concen: 43.587 ng

RT: 6.893 min Scan# 79

Delta R.T. -0.006 min

Lab File: BF143050.D

Acq: 09 Jul 2025 11:54

Instrument :

BNA_F

ClientSampleId :

PB168737BS

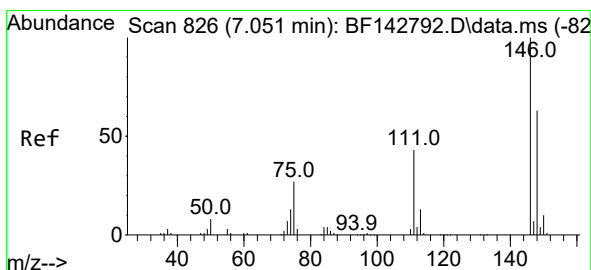
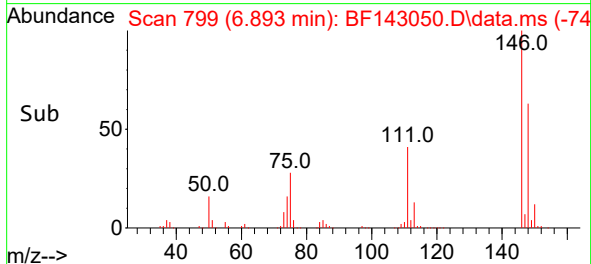
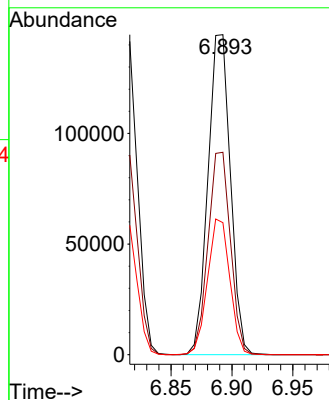
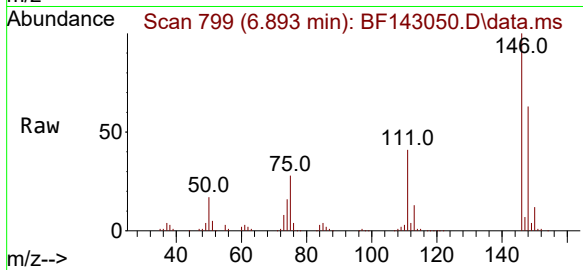
Tgt Ion:146 Resp: 185779

Ion Ratio Lower Upper

146 100

148 63.2 50.2 75.2

111 41.3 33.2 49.8



#14

1,2-Dichlorobenzene

Concen: 43.424 ng

RT: 7.040 min Scan# 824

Delta R.T. -0.012 min

Lab File: BF143050.D

Acq: 09 Jul 2025 11:54

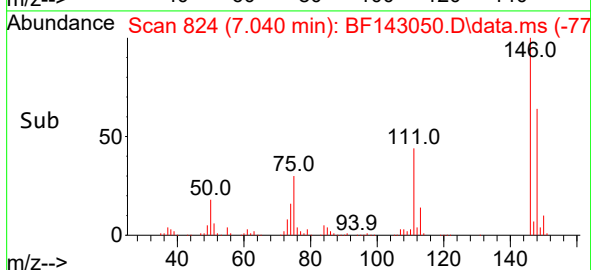
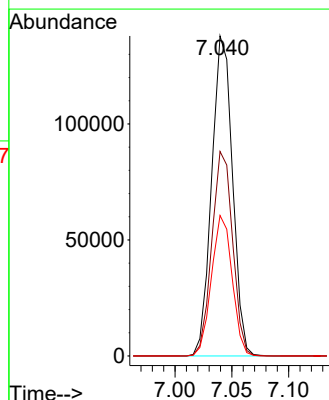
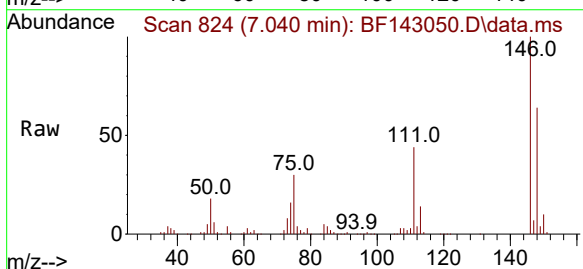
Tgt Ion:146 Resp: 175552

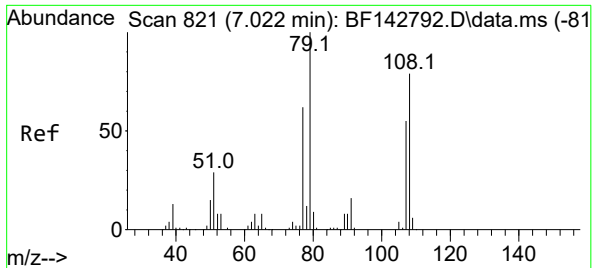
Ion Ratio Lower Upper

146 100

148 63.9 50.4 75.6

111 43.9 34.1 51.1





#15

Benzyl Alcohol

Concen: 45.253 ng

RT: 7.016 min Scan# 81

Delta R.T. -0.006 min

Lab File: BF143050.D

Acq: 09 Jul 2025 11:54

Instrument :

BNA_F

ClientSampleId :

PB168737BS

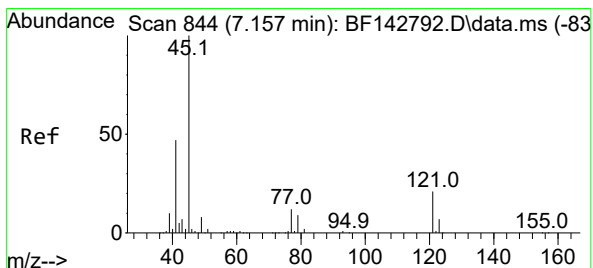
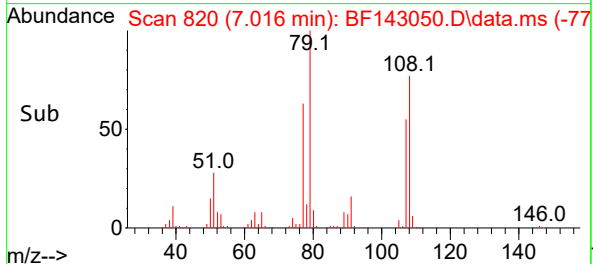
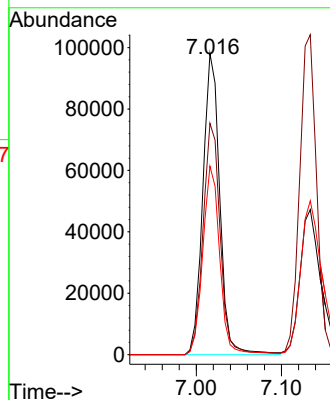
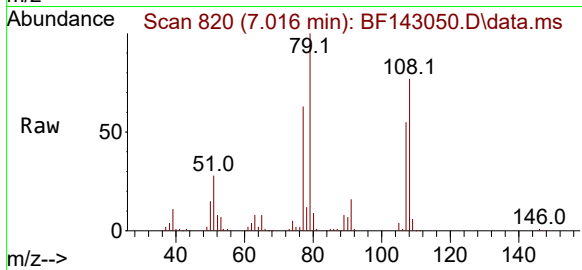
Tgt Ion: 79 Resp: 135160

Ion Ratio Lower Upper

79 100

108 76.8 63.4 95.0

77 62.6 49.5 74.3



#16

2,2'-oxybis(1-Chloropropane)

Concen: 40.375 ng

RT: 7.145 min Scan# 842

Delta R.T. -0.012 min

Lab File: BF143050.D

Acq: 09 Jul 2025 11:54

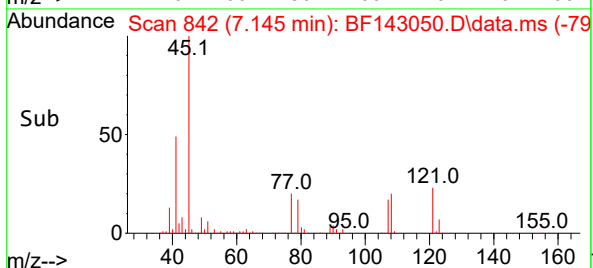
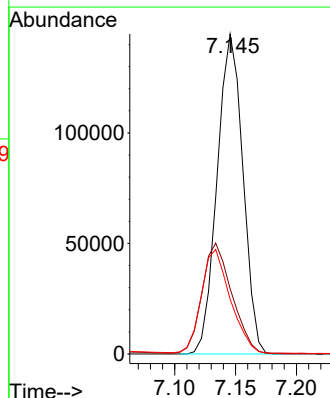
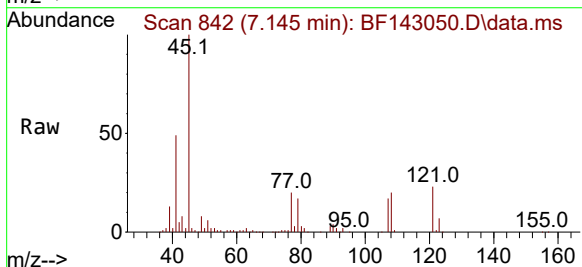
Tgt Ion: 45 Resp: 212911

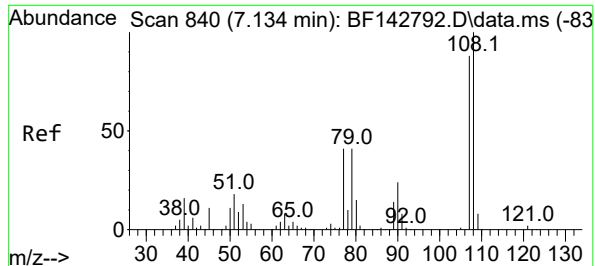
Ion Ratio Lower Upper

45 100

77 20.4 0.0 32.8

79 17.1 0.0 29.8

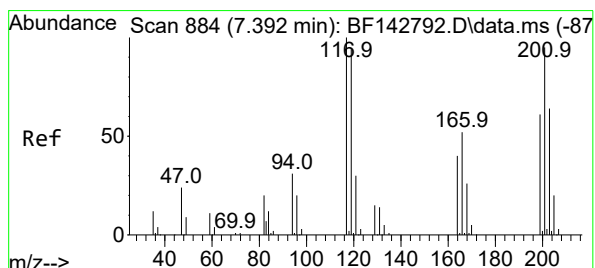
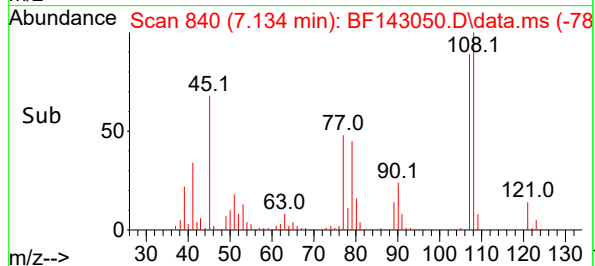
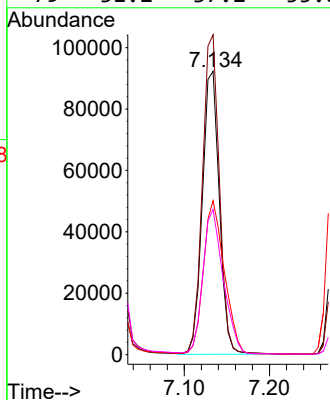
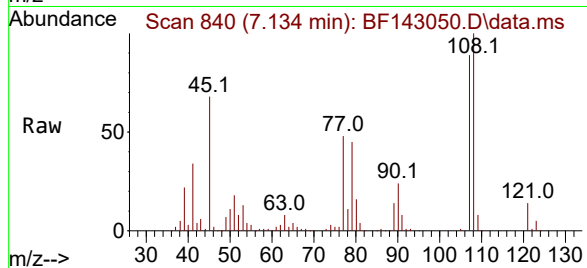




#17
2-Methylphenol
Concen: 44.603 ng
RT: 7.134 min Scan# 840
Delta R.T. 0.000 min
Lab File: BF143050.D
Acq: 09 Jul 2025 11:54

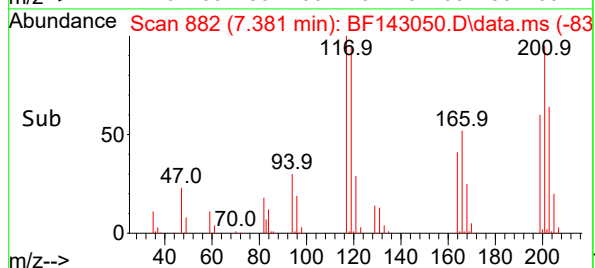
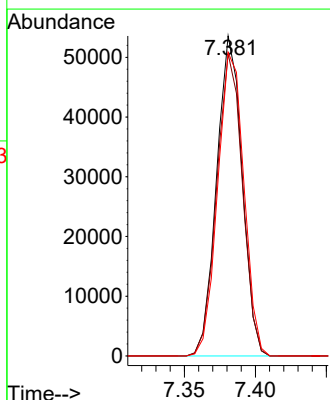
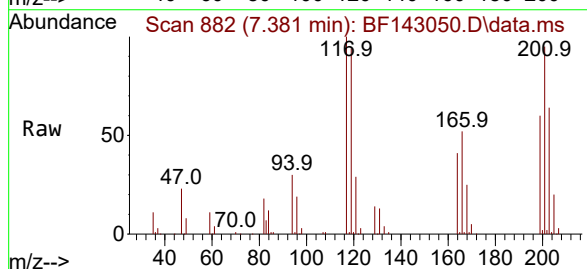
Instrument :
BNA_F
ClientSampleId :
PB168737BS

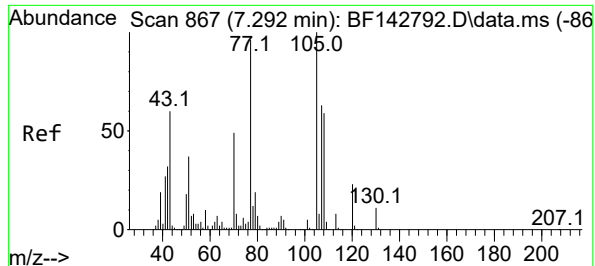
Tgt Ion:	107	Resp:	127680
Ion	Ratio	Lower	Upper
107	100		
108	112.9	90.9	136.3
77	54.4	37.3	55.9
79	51.2	37.2	55.8



#18
Hexachloroethane
Concen: 44.817 ng
RT: 7.381 min Scan# 882
Delta R.T. -0.012 min
Lab File: BF143050.D
Acq: 09 Jul 2025 11:54

Tgt Ion:	117	Resp:	66815
Ion	Ratio	Lower	Upper
117	100		
119	94.5	75.4	113.0
201	94.8	75.9	113.9





#19

n-Nitroso-di-n-propylamine

Concen: 45.454 ng

RT: 7.287 min Scan# 866

Delta R.T. -0.006 min

Lab File: BF143050.D

Acq: 09 Jul 2025 11:54

Instrument :

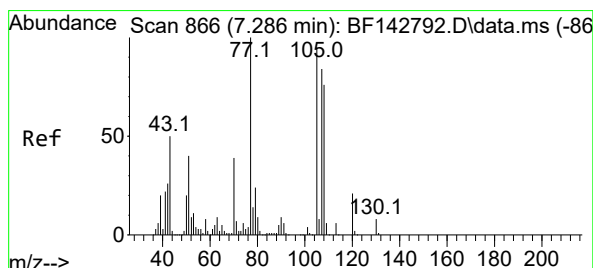
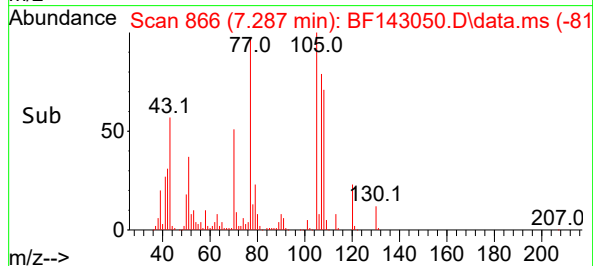
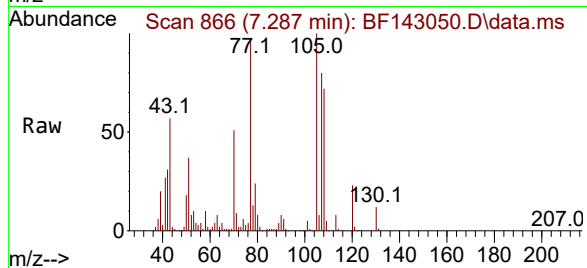
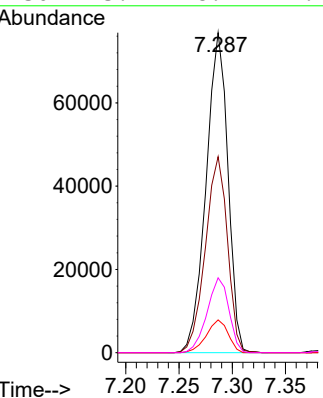
BNA_F

ClientSampleId :

PB168737BS

Tgt Ion: 70 Resp: 109219

Ion	Ratio	Lower	Upper
70	100		
42	61.3	52.1	78.1
101	10.3	8.2	12.2
130	23.4	18.2	27.2



#20

3+4-Methylphenols

Concen: 46.032 ng

RT: 7.287 min Scan# 866

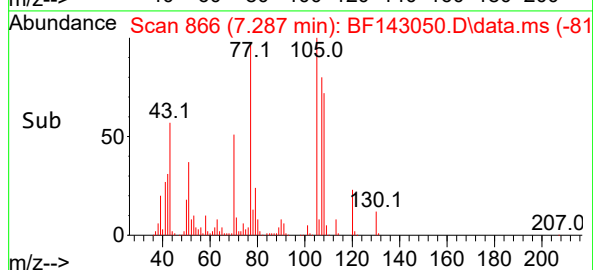
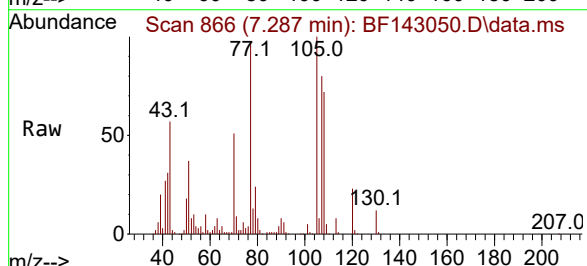
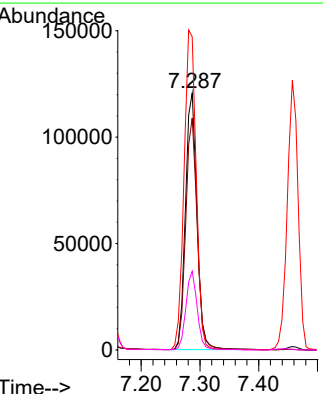
Delta R.T. 0.000 min

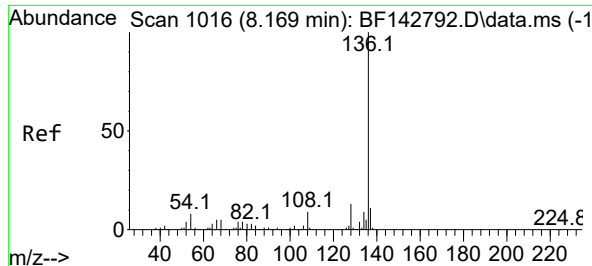
Lab File: BF143050.D

Acq: 09 Jul 2025 11:54

Tgt Ion:107 Resp: 164295

Ion	Ratio	Lower	Upper
107	100		
108	90.4	70.0	110.0
77	122.0	98.5	138.5
79	30.6	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: BF143050.D

Acq: 09 Jul 2025 11:54

Instrument :

BNA_F

ClientSampleId :

PB168737BS

Tgt Ion:136 Resp: 228077

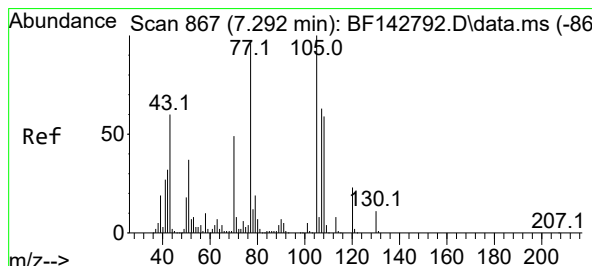
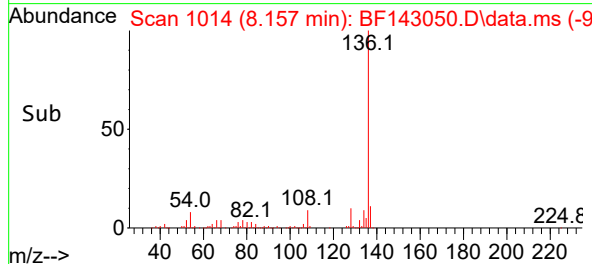
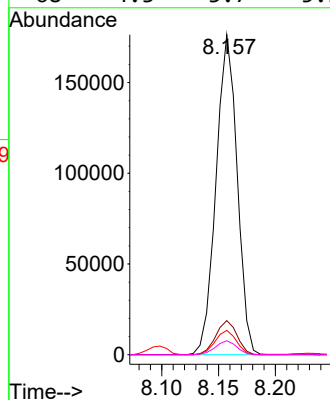
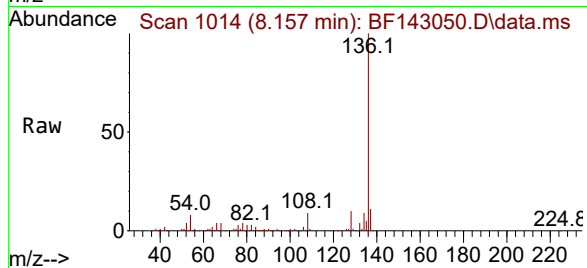
Ion Ratio Lower Upper

136 100

137 10.7 8.4 12.6

54 7.6 6.3 9.5

68 4.3 3.7 5.5



#22

Acetophenone

Concen: 44.675 ng

RT: 7.281 min Scan# 865

Delta R.T. -0.012 min

Lab File: BF143050.D

Acq: 09 Jul 2025 11:54

Tgt Ion:105 Resp: 224694

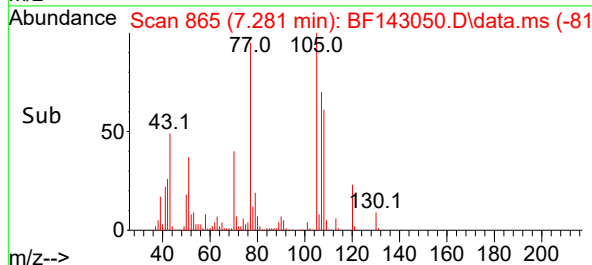
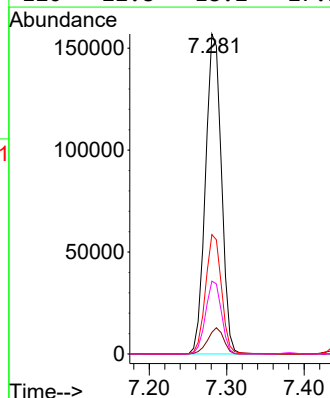
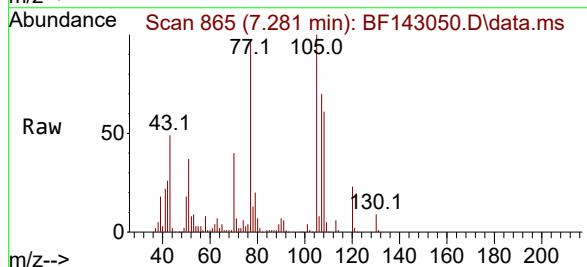
Ion Ratio Lower Upper

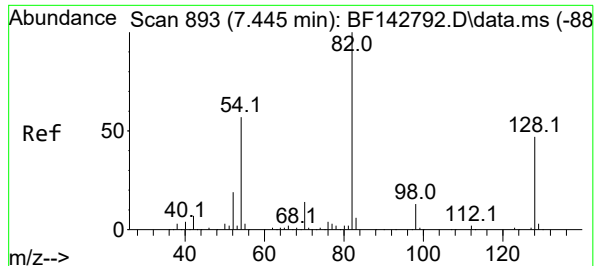
105 100

71 6.8 6.5 9.7

51 37.3 29.8 44.8

120 22.8 18.2 27.2





#23

Nitrobenzene-d5

Concen: 80.480 ng

RT: 7.440 min Scan# 891

Delta R.T. -0.005 min

Lab File: BF143050.D

Acq: 09 Jul 2025 11:54

Instrument :

BNA_F

ClientSampleId :

PB168737BS

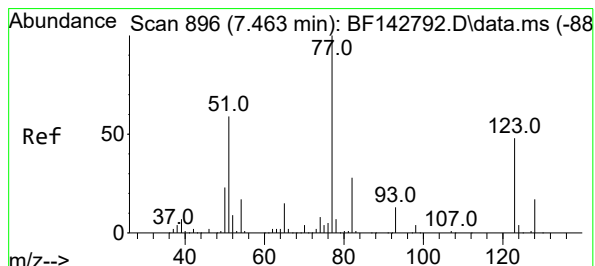
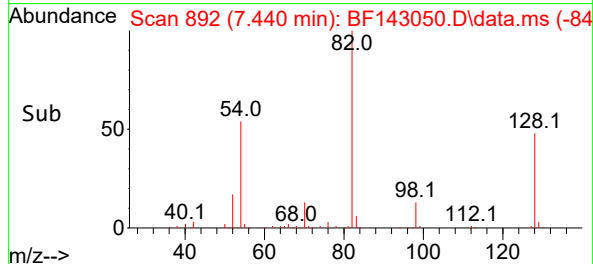
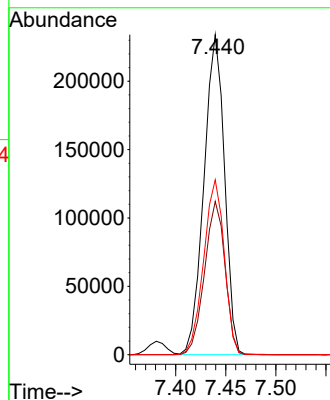
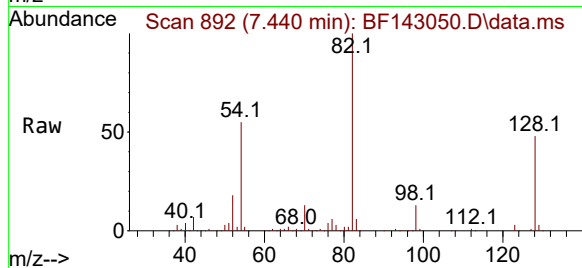
Tgt Ion: 82 Resp: 334645

Ion Ratio Lower Upper

82 100

128 47.9 37.7 56.5

54 54.7 45.7 68.5



#24

Nitrobenzene

Concen: 42.991 ng

RT: 7.457 min Scan# 895

Delta R.T. -0.006 min

Lab File: BF143050.D

Acq: 09 Jul 2025 11:54

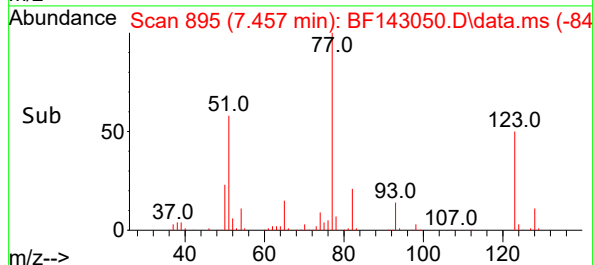
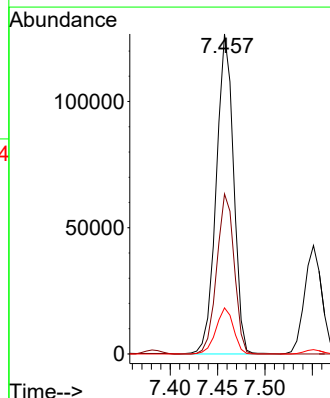
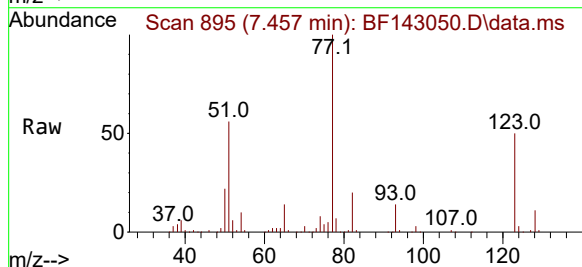
Tgt Ion: 77 Resp: 161798

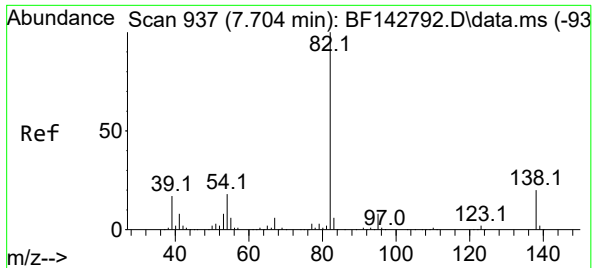
Ion Ratio Lower Upper

77 100

123 50.0 39.2 58.8

65 14.4 11.6 17.4

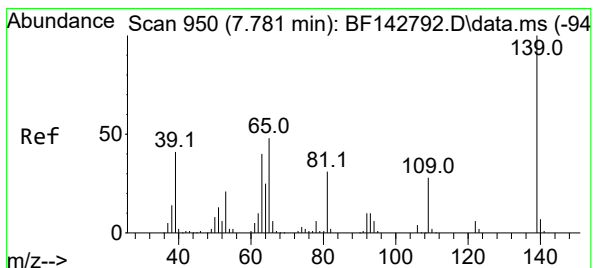
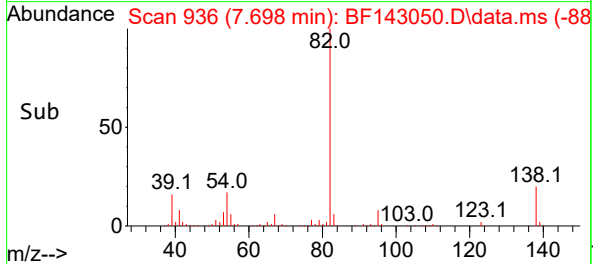
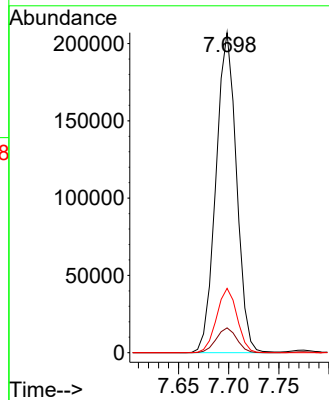
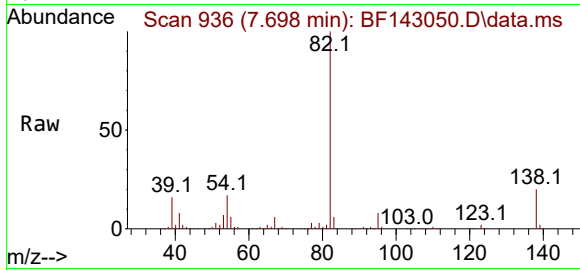




#25
Isophorone
Concen: 44.170 ng
RT: 7.698 min Scan# 91
Delta R.T. -0.006 min
Lab File: BF143050.D
Acq: 09 Jul 2025 11:54

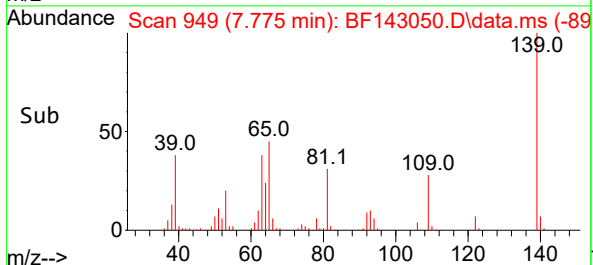
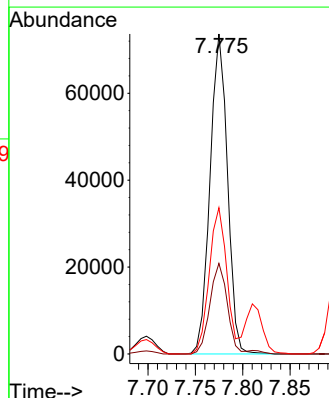
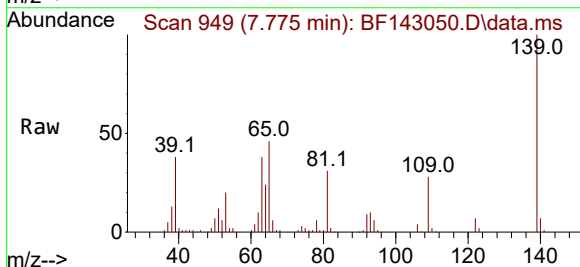
Instrument :
BNA_F
ClientSampleId :
PB168737BS

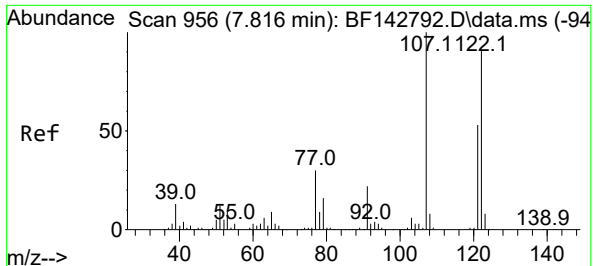
Tgt Ion: 82 Resp: 294629
Ion Ratio Lower Upper
82 100
95 7.8 6.2 9.2
138 20.1 16.2 24.4



#26
2-Nitrophenol
Concen: 45.855 ng
RT: 7.775 min Scan# 949
Delta R.T. -0.006 min
Lab File: BF143050.D
Acq: 09 Jul 2025 11:54

Tgt Ion:139 Resp: 94009
Ion Ratio Lower Upper
139 100
109 28.3 22.7 34.1
65 45.7 38.6 58.0





#27

2,4-Dimethylphenol

Concen: 43.896 ng m

RT: 7.810 min Scan# 91

Delta R.T. -0.006 min

Lab File: BF143050.D

Acq: 09 Jul 2025 11:54

Instrument :

BNA_F

ClientSampleId :

PB168737BS

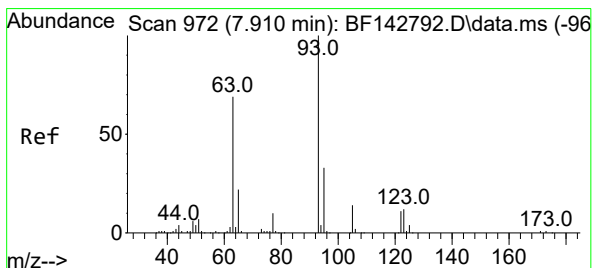
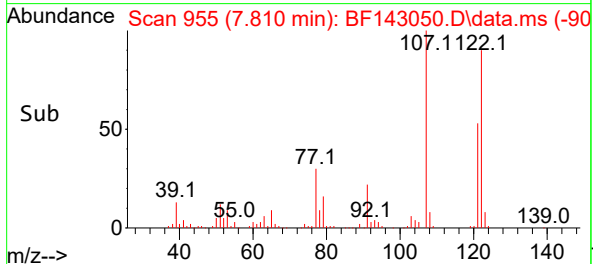
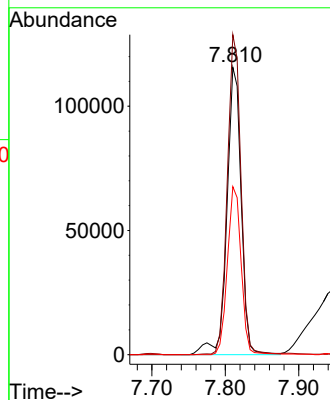
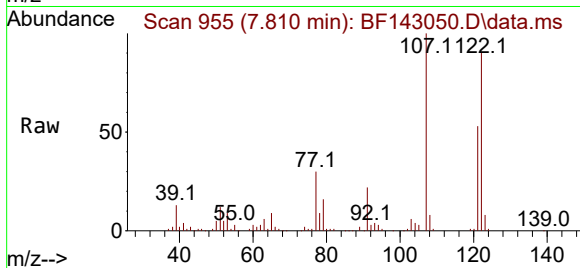
Tgt Ion:122 Resp: 155883

Ion Ratio Lower Upper

122 100

107 111.4 88.0 132.0

121 58.5 46.3 69.5



#28

bis(2-Chloroethoxy)methane

Concen: 43.737 ng

RT: 7.904 min Scan# 971

Delta R.T. -0.006 min

Lab File: BF143050.D

Acq: 09 Jul 2025 11:54

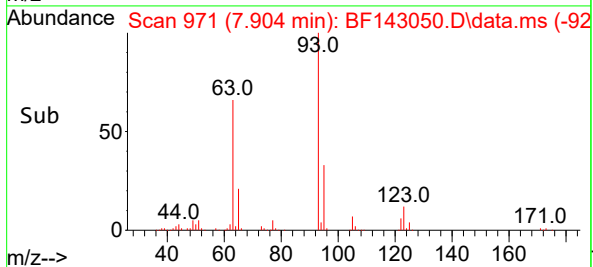
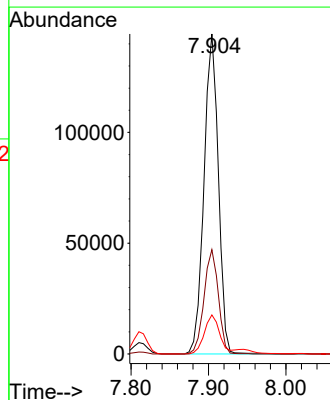
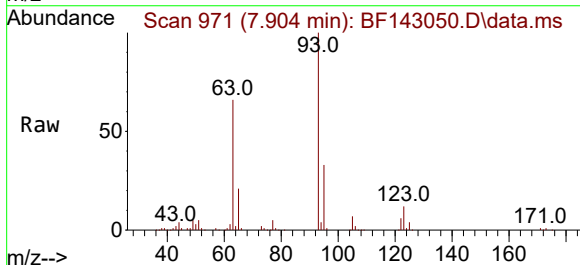
Tgt Ion: 93 Resp: 185475

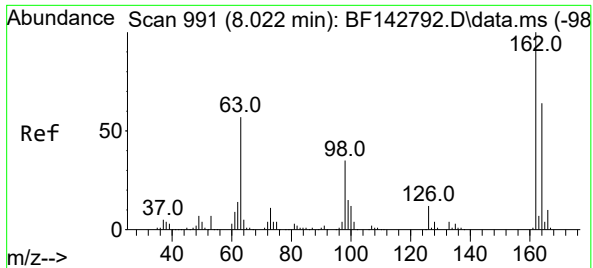
Ion Ratio Lower Upper

93 100

95 32.6 26.2 39.2

123 12.2 9.9 14.9





#29

2,4-Dichlorophenol

Concen: 44.754 ng

RT: 8.022 min Scan# 991

Delta R.T. 0.000 min

Lab File: BF143050.D

Acq: 09 Jul 2025 11:54

Instrument :

BNA_F

ClientSampleId :

PB168737BS

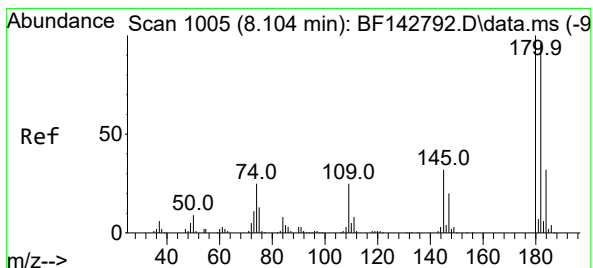
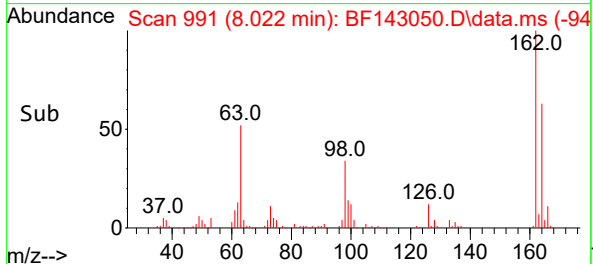
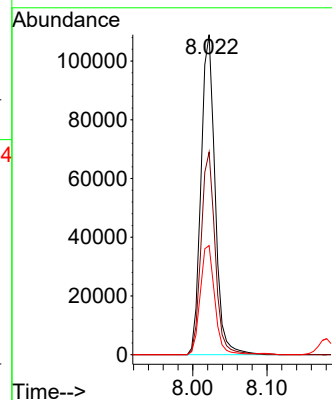
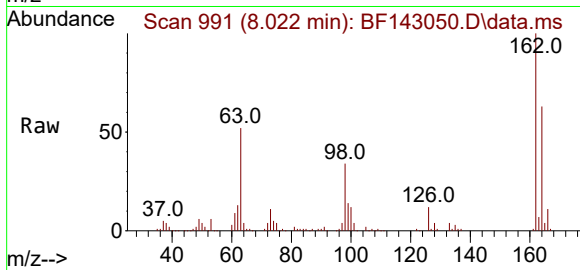
Tgt Ion:162 Resp: 144105

Ion Ratio Lower Upper

162 100

164 63.3 44.0 84.0

98 34.1 15.4 55.4



#30

1,2,4-Trichlorobenzene

Concen: 42.938 ng

RT: 8.098 min Scan# 1004

Delta R.T. -0.006 min

Lab File: BF143050.D

Acq: 09 Jul 2025 11:54

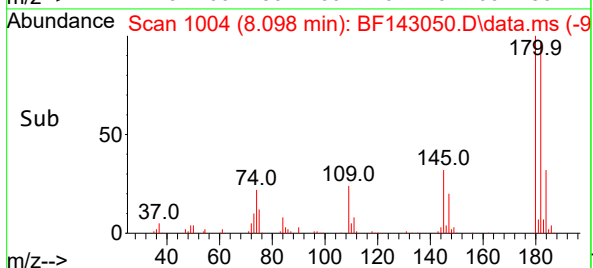
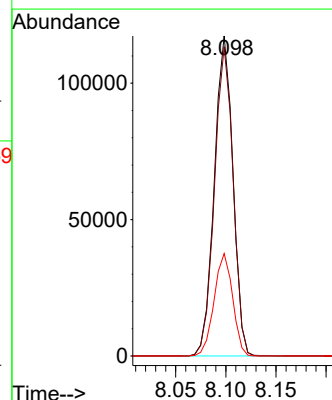
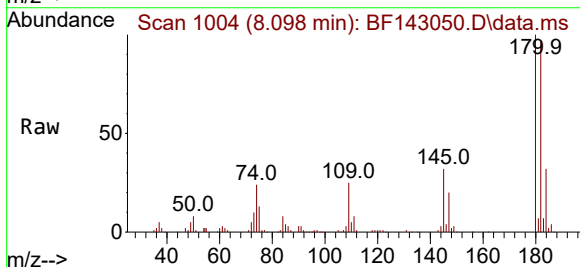
Tgt Ion:180 Resp: 152029

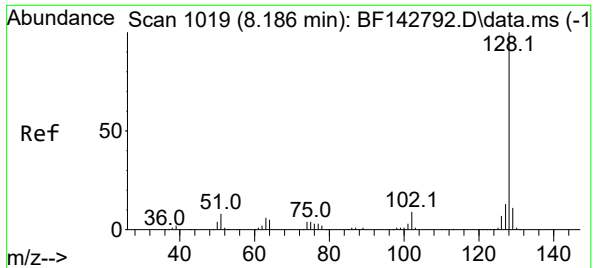
Ion Ratio Lower Upper

180 100

182 96.7 76.4 114.6

145 32.0 25.8 38.8





#31

Naphthalene

Concen: 43.576 ng

RT: 8.181 min Scan# 1019

Delta R.T. -0.006 min

Lab File: BF143050.D

Acq: 09 Jul 2025 11:54

Instrument :

BNA_F

ClientSampleId :

PB168737BS

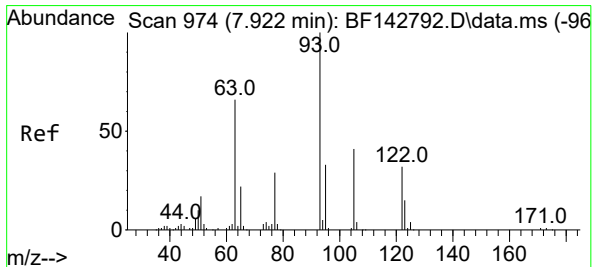
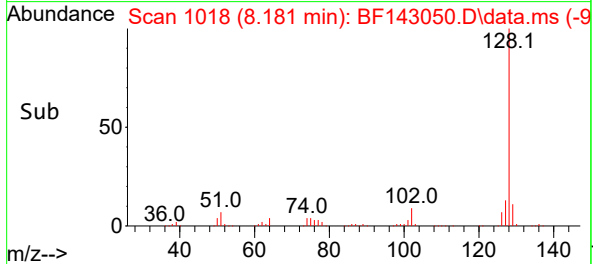
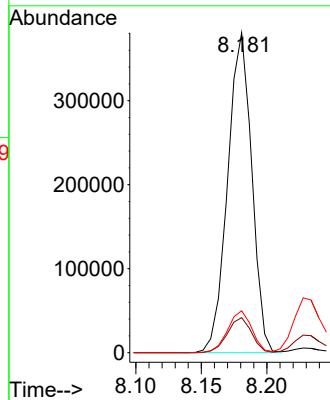
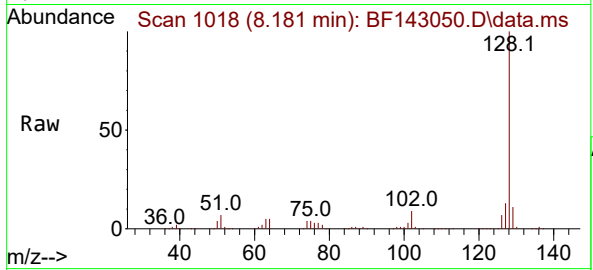
Tgt Ion:128 Resp: 486485

Ion Ratio Lower Upper

128 100

129 10.9 8.9 13.3

127 13.1 10.4 15.6



#32

Benzoic acid

Concen: 41.962 ng

RT: 7.945 min Scan# 978

Delta R.T. 0.024 min

Lab File: BF143050.D

Acq: 09 Jul 2025 11:54

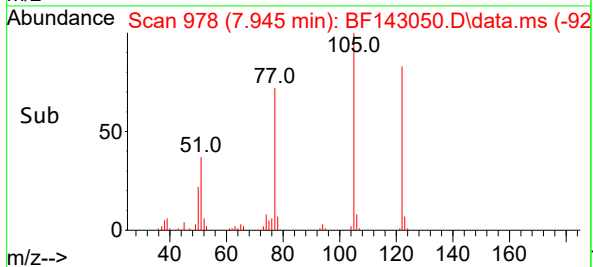
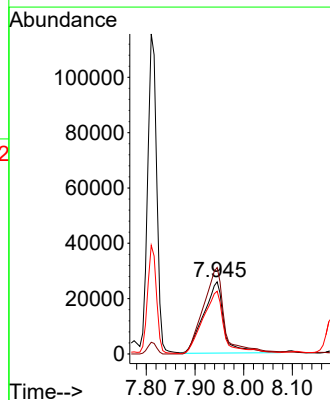
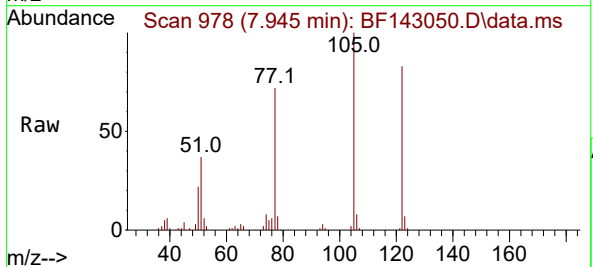
Tgt Ion:122 Resp: 75951

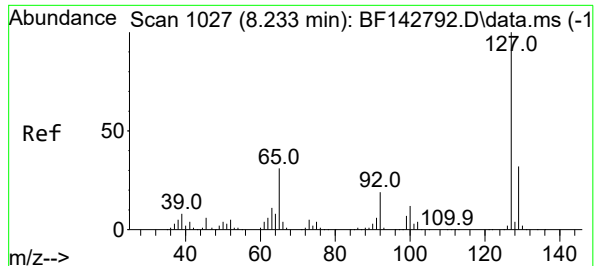
Ion Ratio Lower Upper

122 100

105 119.8 104.7 144.7

77 86.8 70.2 110.2





#33

4-Chloroaniline

Concen: 26.148 ng

RT: 8.228 min Scan# 1026

Delta R.T. -0.006 min

Lab File: BF143050.D

Acq: 09 Jul 2025 11:54

Instrument :

BNA_F

ClientSampleId :

PB168737BS

Tgt Ion:127 Resp: 118697

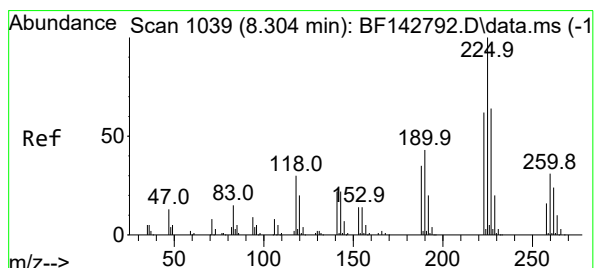
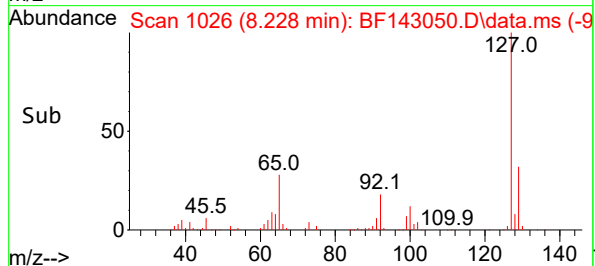
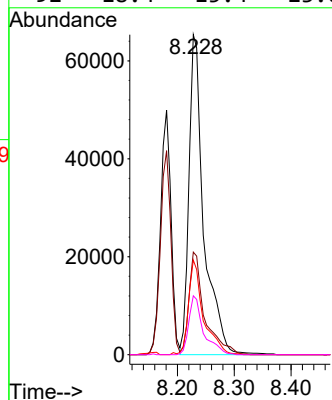
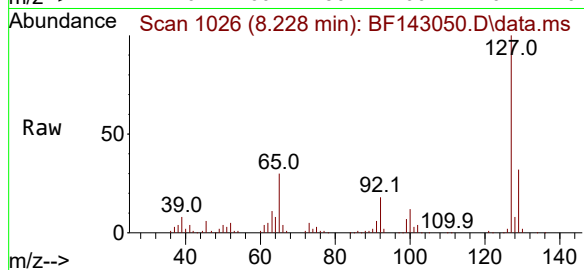
Ion Ratio Lower Upper

127 100

129 32.1 25.9 38.9

65 29.6 24.6 36.8

92 18.4 15.4 23.0



#34

Hexachlorobutadiene

Concen: 43.935 ng

RT: 8.292 min Scan# 1037

Delta R.T. -0.012 min

Lab File: BF143050.D

Acq: 09 Jul 2025 11:54

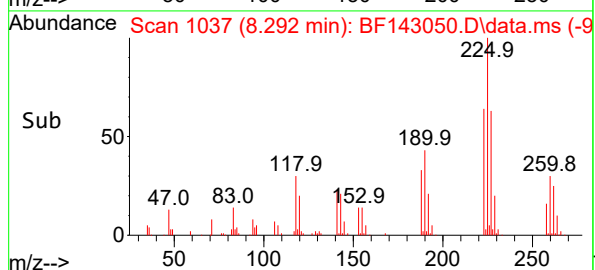
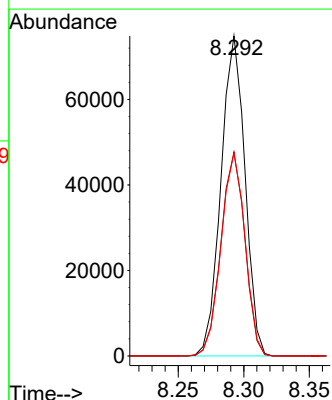
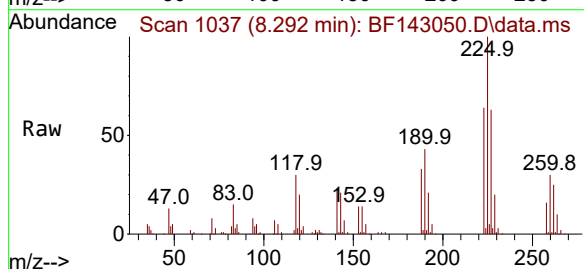
Tgt Ion:225 Resp: 95154

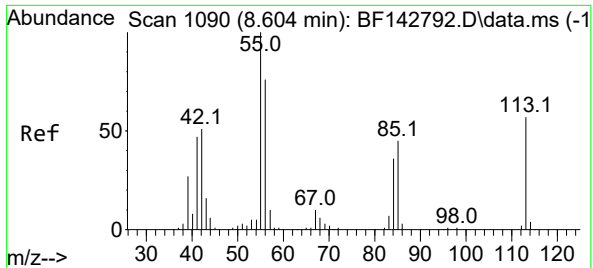
Ion Ratio Lower Upper

225 100

223 63.7 49.9 74.9

227 63.4 51.4 77.0

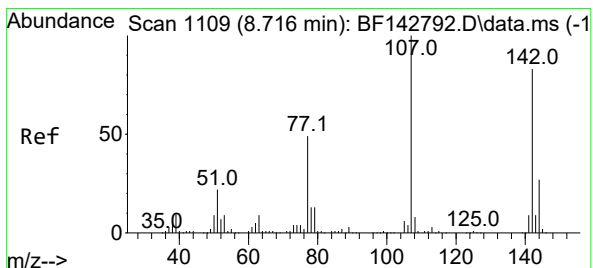
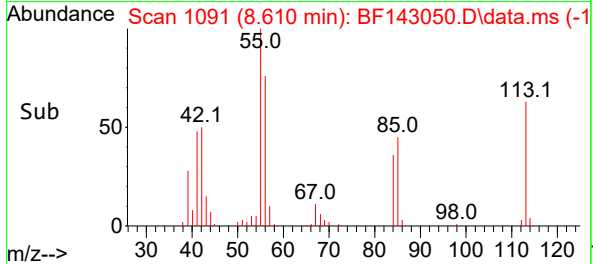
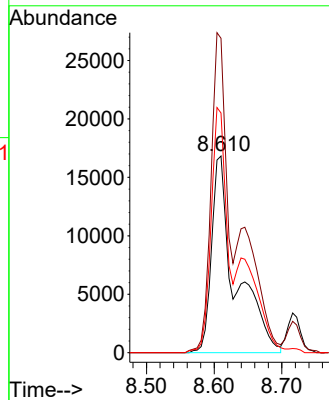
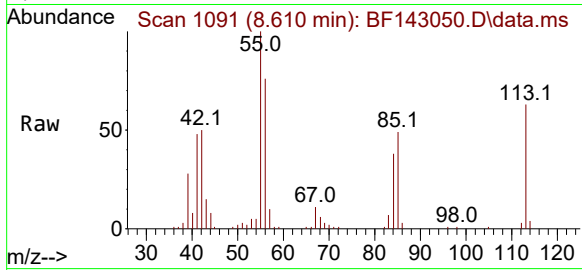




#35
Caprolactam
Concen: 48.666 ng m
RT: 8.610 min Scan# 1091
Delta R.T. 0.006 min
Lab File: BF143050.D
Acq: 09 Jul 2025 11:54

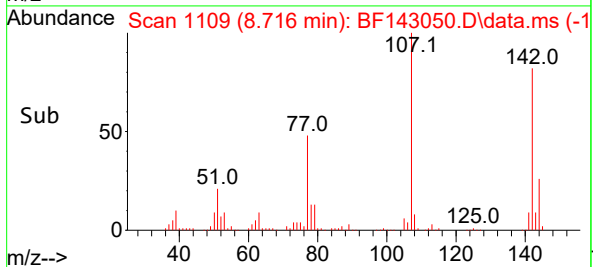
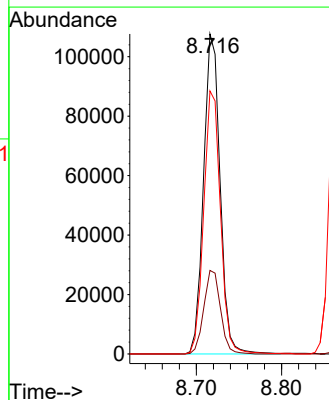
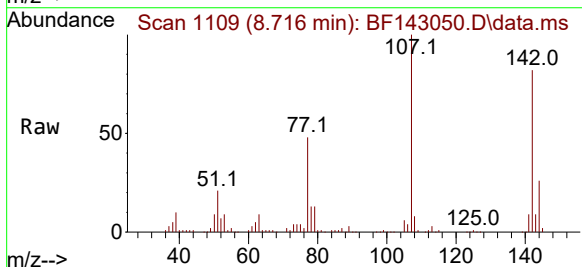
Instrument :
BNA_F
ClientSampleId :
PB168737BS

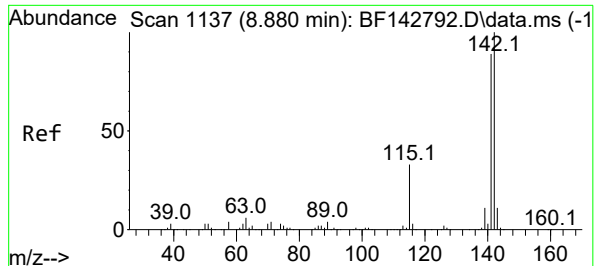
Tgt Ion:113 Resp: 41350
Ion Ratio Lower Upper
113 100
55 159.9 154.4 194.4
56 121.9 112.1 152.1



#36
4-Chloro-3-methylphenol
Concen: 45.296 ng
RT: 8.716 min Scan# 1109
Delta R.T. 0.000 min
Lab File: BF143050.D
Acq: 09 Jul 2025 11:54

Tgt Ion:107 Resp: 144951
Ion Ratio Lower Upper
107 100
144 26.1 21.3 31.9
142 82.2 66.6 100.0

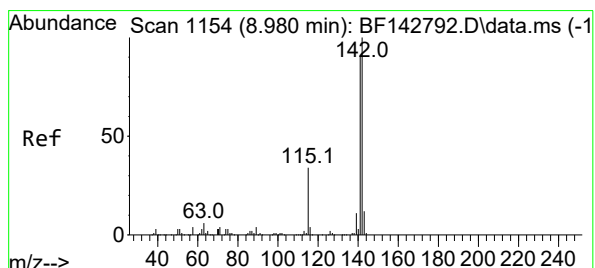
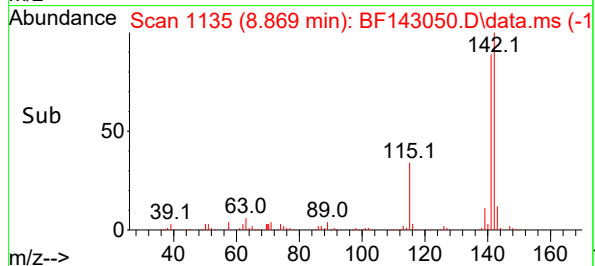
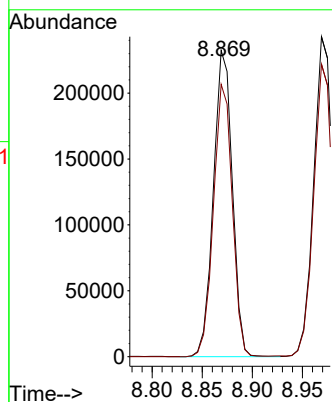
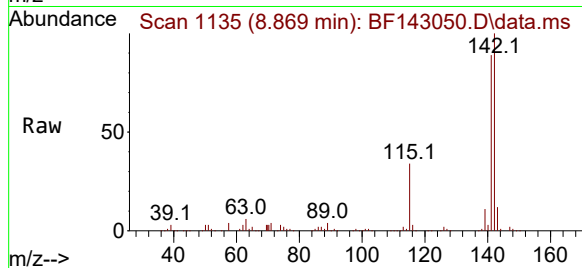




#37
2-Methylnaphthalene
Concen: 43.999 ng
RT: 8.869 min Scan# 1135
Delta R.T. -0.012 min
Lab File: BF143050.D
Acq: 09 Jul 2025 11:54

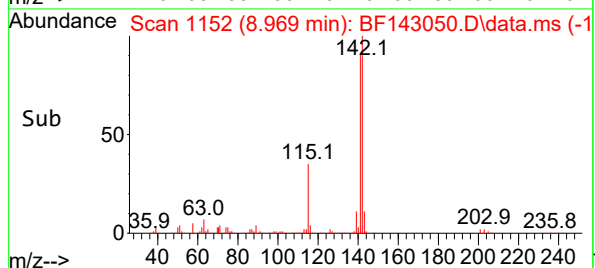
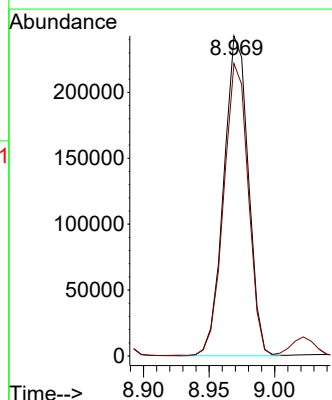
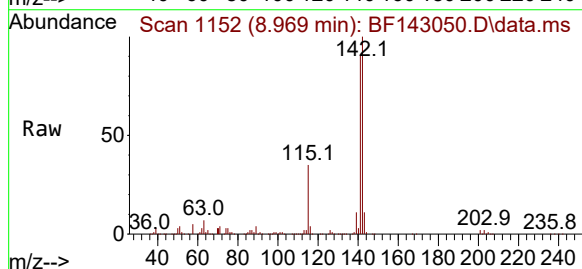
Instrument :
BNA_F
ClientSampleId :
PB168737BS

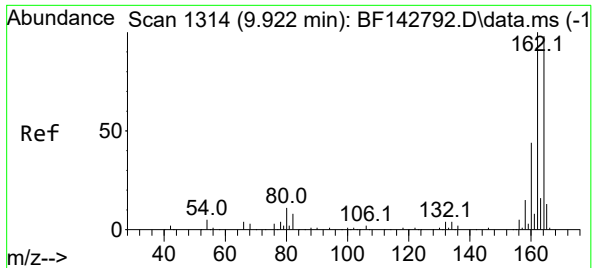
Tgt Ion:142 Resp: 304530
Ion Ratio Lower Upper
142 100
141 88.9 70.9 106.3



#38
1-Methylnaphthalene
Concen: 44.114 ng
RT: 8.969 min Scan# 1152
Delta R.T. -0.012 min
Lab File: BF143050.D
Acq: 09 Jul 2025 11:54

Tgt Ion:142 Resp: 316070
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: BF143050.D

Acq: 09 Jul 2025 11:54

Instrument :

BNA_F

ClientSampleId :

PB168737BS

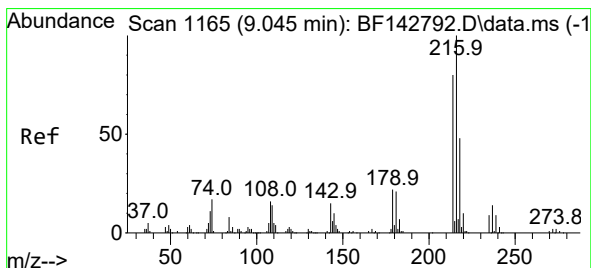
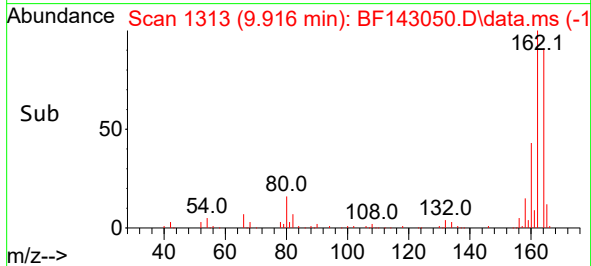
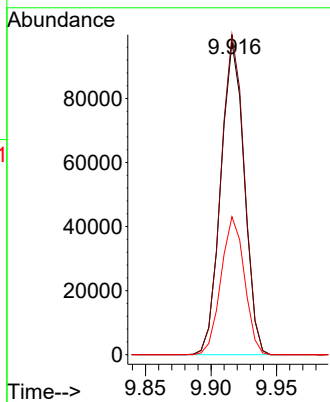
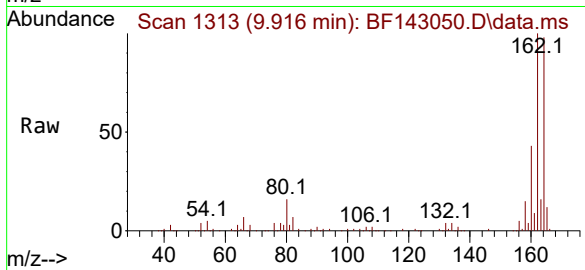
Tgt Ion:164 Resp: 121529

Ion Ratio Lower Upper

164 100

162 102.4 81.8 122.8

160 44.1 36.0 54.0



#40

1,2,4,5-Tetrachlorobenzene

Concen: 44.017 ng

RT: 9.039 min Scan# 1164

Delta R.T. -0.006 min

Lab File: BF143050.D

Acq: 09 Jul 2025 11:54

Tgt Ion:216 Resp: 157840

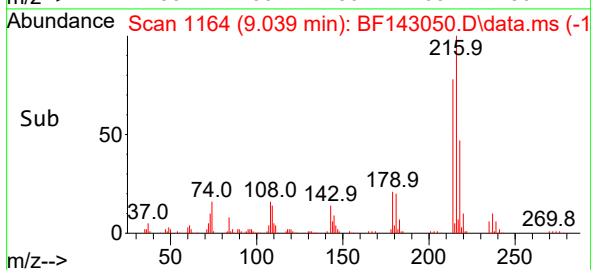
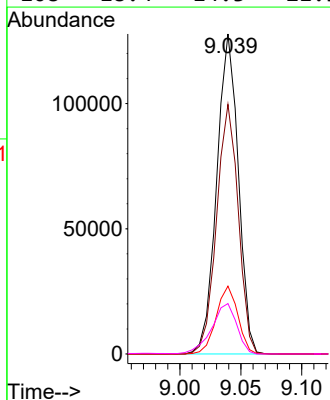
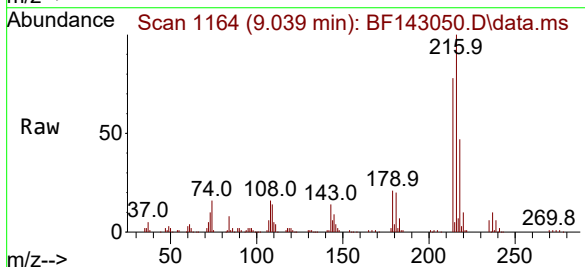
Ion Ratio Lower Upper

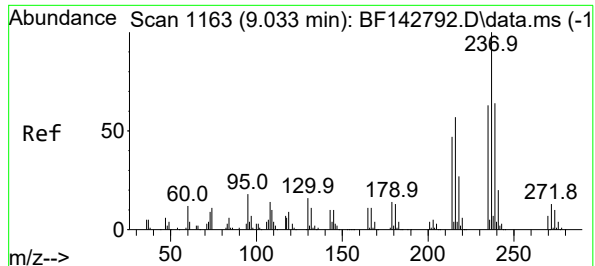
216 100

214 78.2 63.7 95.5

179 21.2 17.6 26.4

108 18.4 14.3 21.5





#41

Hexachlorocyclopentadiene

Concen: 74.252 ng

RT: 9.022 min Scan# 1161

Delta R.T. -0.012 min

Lab File: BF143050.D

Acq: 09 Jul 2025 11:54

Instrument :

BNA_F

ClientSampleId :

PB168737BS

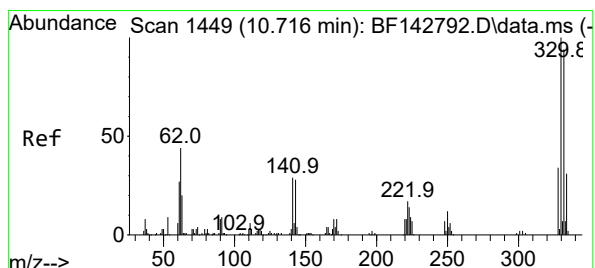
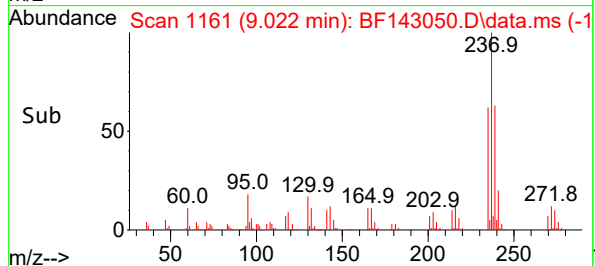
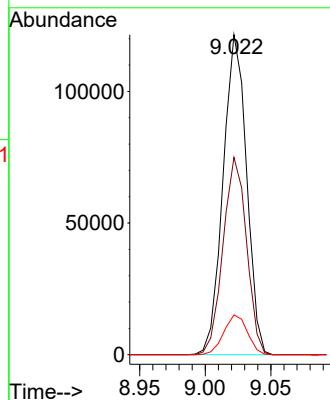
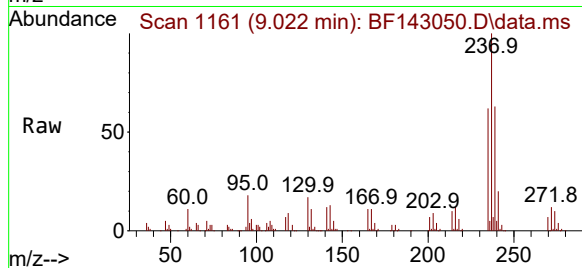
Tgt Ion:237 Resp: 151098

Ion Ratio Lower Upper

237 100

235 61.6 43.4 83.4

272 12.4 0.0 32.7



#42

2,4,6-Tribromophenol

Concen: 138.578 ng

RT: 10.710 min Scan# 1448

Delta R.T. -0.006 min

Lab File: BF143050.D

Acq: 09 Jul 2025 11:54

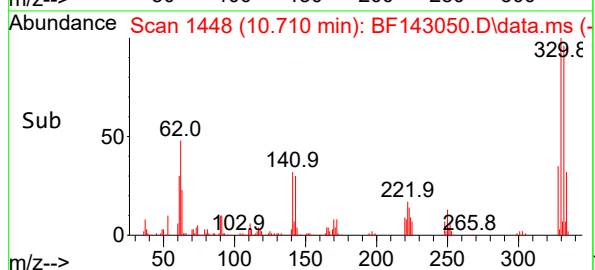
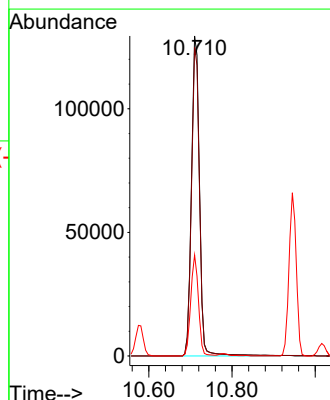
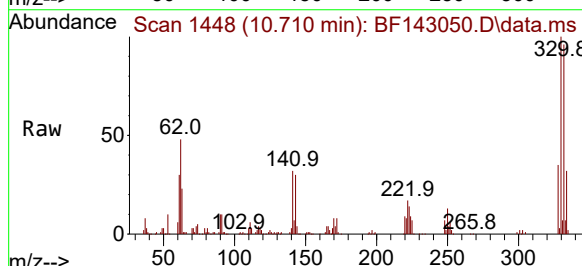
Tgt Ion:330 Resp: 173308

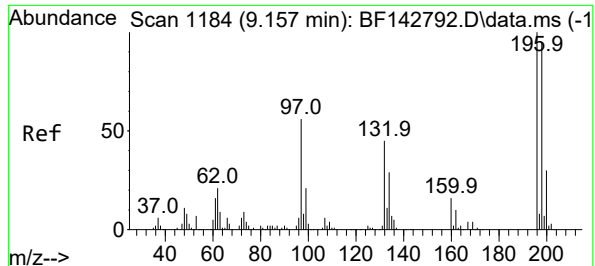
Ion Ratio Lower Upper

330 100

332 95.6 75.0 112.6

141 30.2 25.3 37.9





#43

2,4,6-Trichlorophenol

Concen: 41.982 ng

RT: 9.157 min Scan# 1184

Delta R.T. 0.000 min

Lab File: BF143050.D

Acq: 09 Jul 2025 11:54

Instrument :

BNA_F

ClientSampleId :

PB168737BS

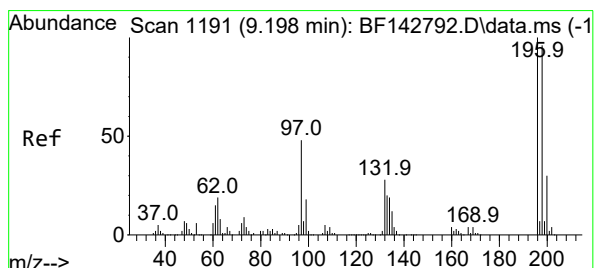
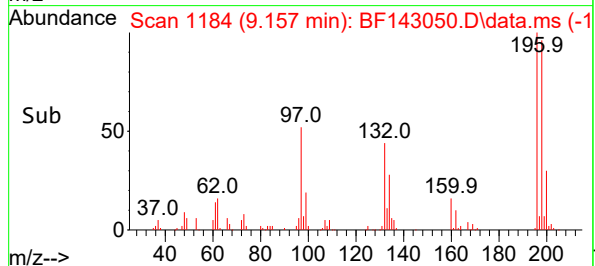
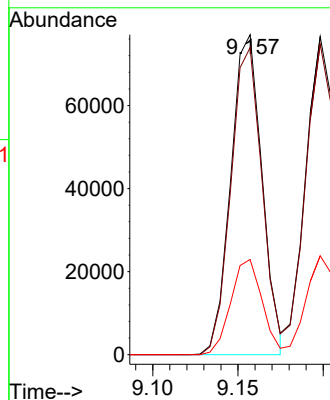
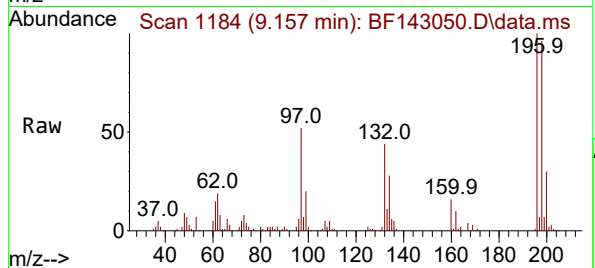
Tgt Ion:196 Resp: 98098

Ion Ratio Lower Upper

196 100

198 96.0 76.2 114.2

200 29.8 24.1 36.1



#44

2,4,5-Trichlorophenol

Concen: 42.489 ng

RT: 9.198 min Scan# 1191

Delta R.T. 0.000 min

Lab File: BF143050.D

Acq: 09 Jul 2025 11:54

Tgt Ion:196 Resp: 104512

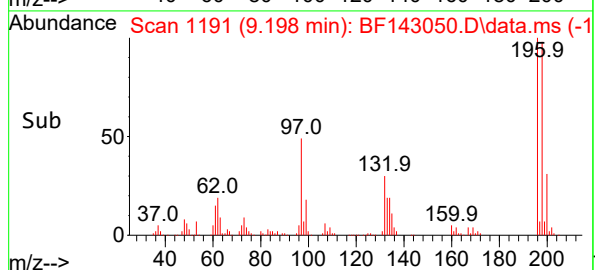
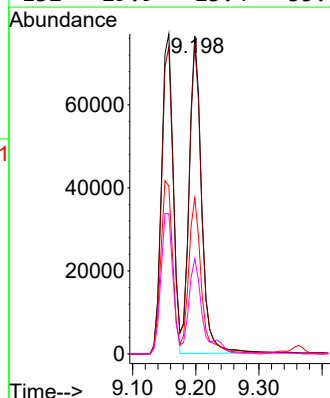
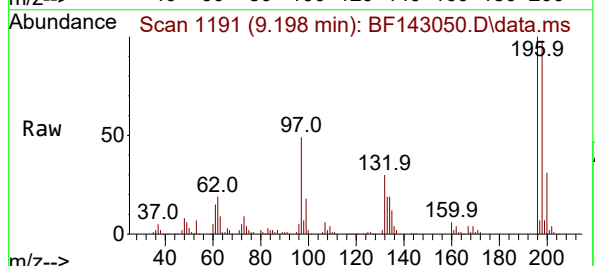
Ion Ratio Lower Upper

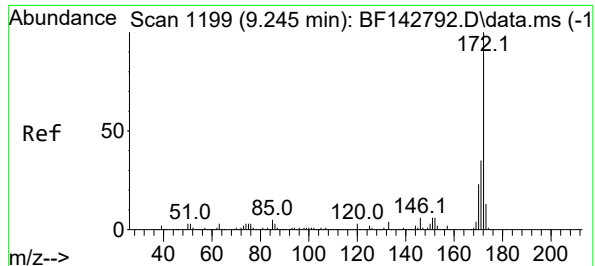
196 100

198 97.6 76.6 115.0

97 49.0 38.2 57.2

132 29.9 23.4 35.0





#45

2-Fluorobiphenyl

Concen: 80.513 ng

RT: 9.234 min Scan# 1199

Delta R.T. -0.011 min

Lab File: BF143050.D

Acq: 09 Jul 2025 11:54

Instrument :

BNA_F

ClientSampleId :

PB168737BS

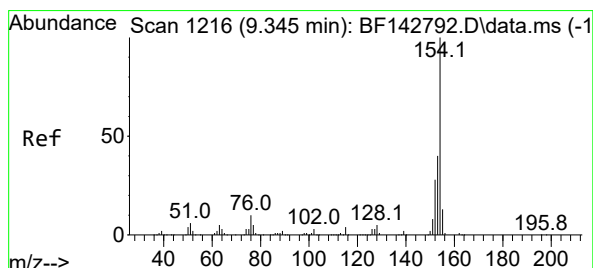
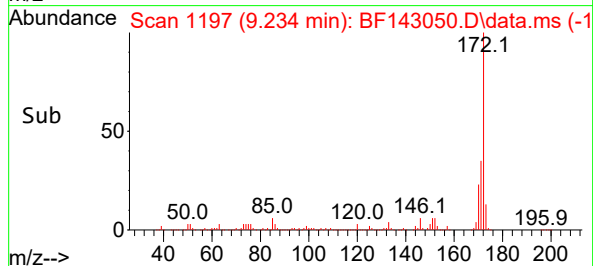
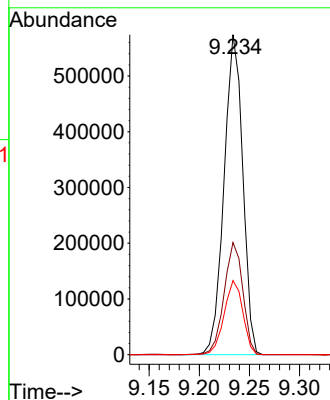
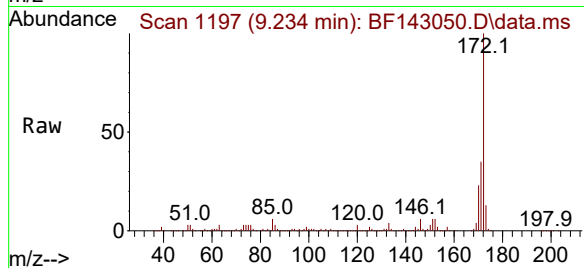
Tgt Ion:172 Resp: 744829

Ion Ratio Lower Upper

172 100

171 35.1 28.2 42.4

170 23.2 18.5 27.7



#46

1,1'-Biphenyl

Concen: 44.729 ng

RT: 9.334 min Scan# 1214

Delta R.T. -0.012 min

Lab File: BF143050.D

Acq: 09 Jul 2025 11:54

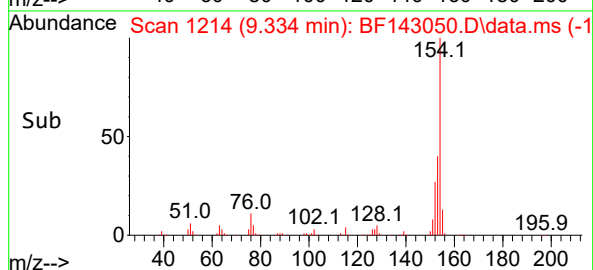
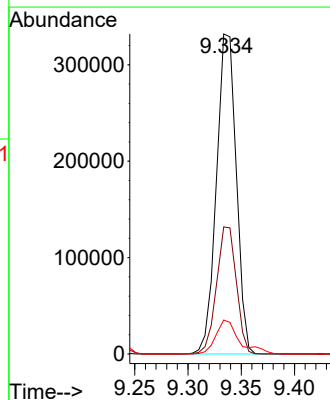
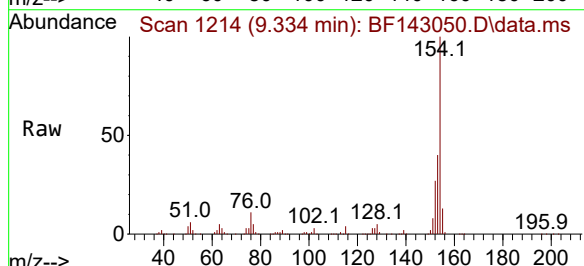
Tgt Ion:154 Resp: 429404

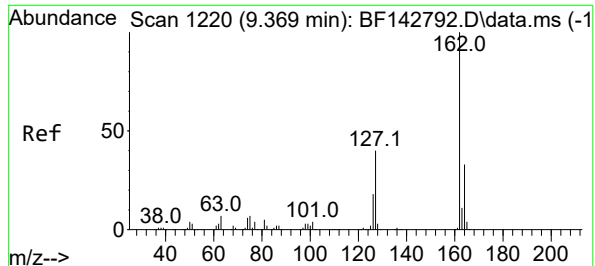
Ion Ratio Lower Upper

154 100

153 39.7 20.3 60.3

76 10.6 0.0 30.3





#47

2-Chloronaphthalene

Concen: 43.537 ng

RT: 9.363 min Scan# 1219

Delta R.T. -0.006 min

Lab File: BF143050.D

Acq: 09 Jul 2025 11:54

Instrument :

BNA_F

ClientSampleId :

PB168737BS

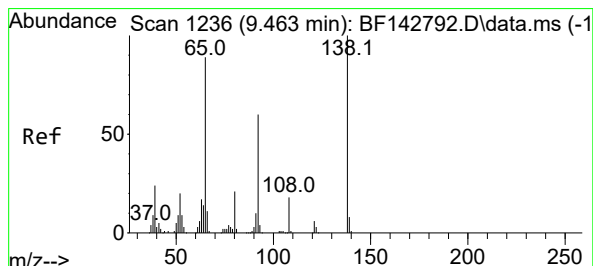
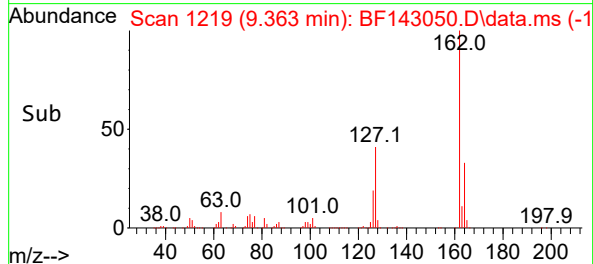
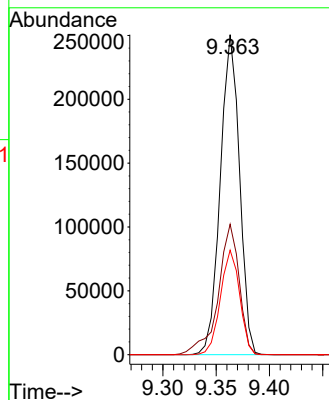
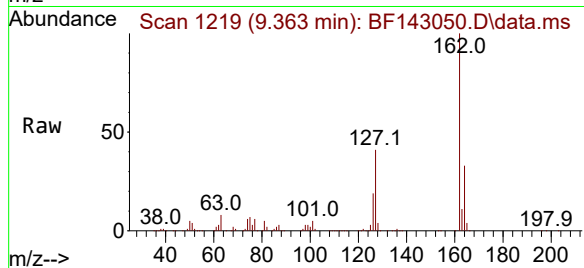
Tgt Ion:162 Resp: 313651

Ion Ratio Lower Upper

162 100

127 40.7 32.2 48.2

164 32.7 26.1 39.1



#48

2-Nitroaniline

Concen: 44.518 ng

RT: 9.463 min Scan# 1236

Delta R.T. 0.000 min

Lab File: BF143050.D

Acq: 09 Jul 2025 11:54

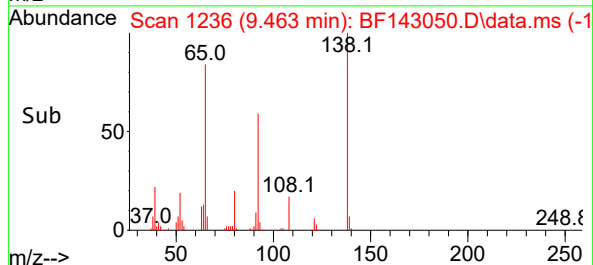
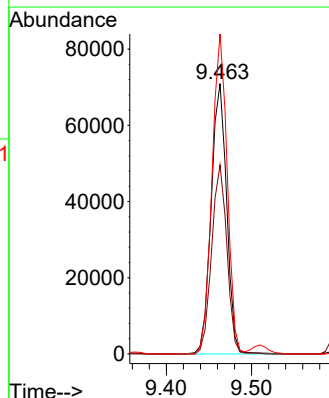
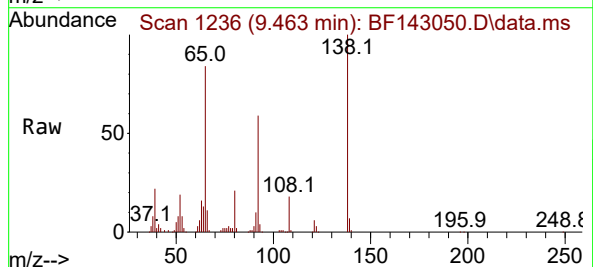
Tgt Ion: 65 Resp: 89915

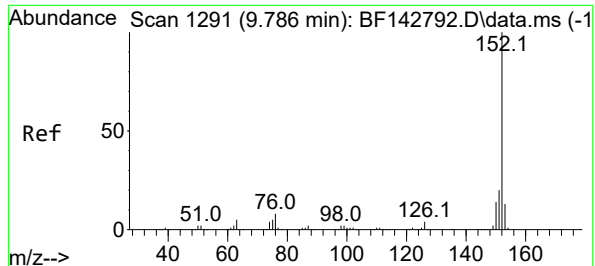
Ion Ratio Lower Upper

65 100

92 69.9 53.8 80.6

138 118.4 89.6 134.4





#49

Acenaphthylene

Concen: 44.198 ng

RT: 9.781 min Scan# 11

Delta R.T. -0.006 min

Lab File: BF143050.D

Acq: 09 Jul 2025 11:54

Instrument :

BNA_F

ClientSampleId :

PB168737BS

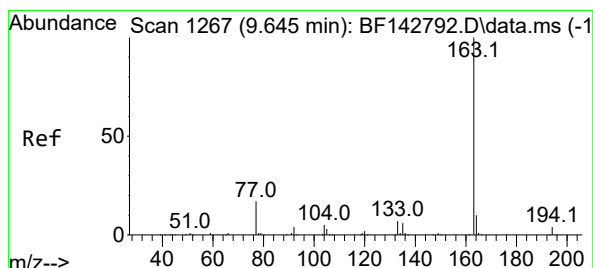
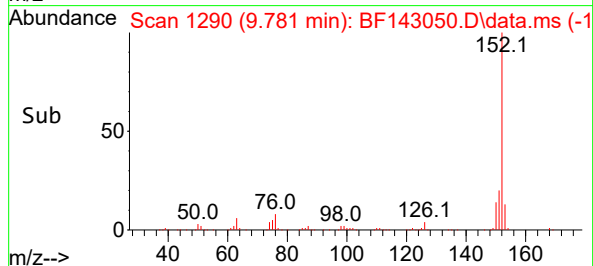
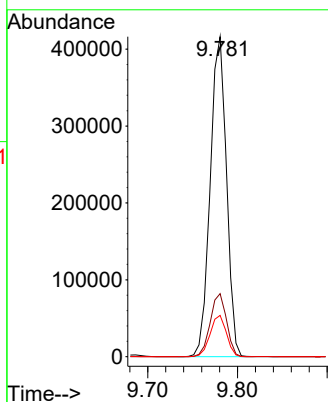
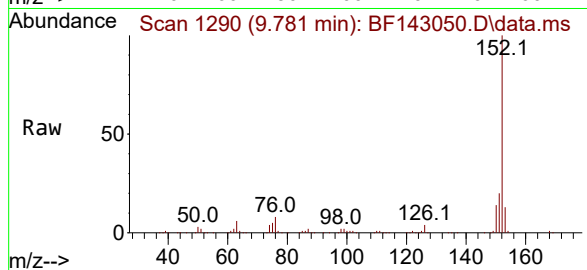
Tgt Ion:152 Resp: 524170

Ion Ratio Lower Upper

152 100

151 19.7 16.1 24.1

153 12.9 10.4 15.6



#50

Dimethylphthalate

Concen: 46.648 ng

RT: 9.639 min Scan# 1266

Delta R.T. -0.006 min

Lab File: BF143050.D

Acq: 09 Jul 2025 11:54

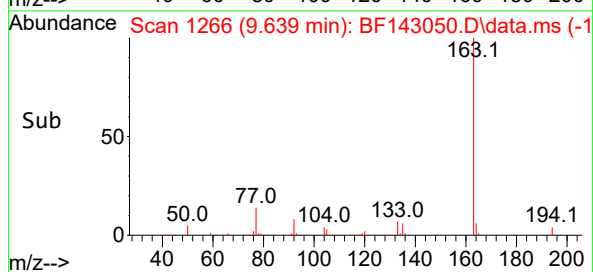
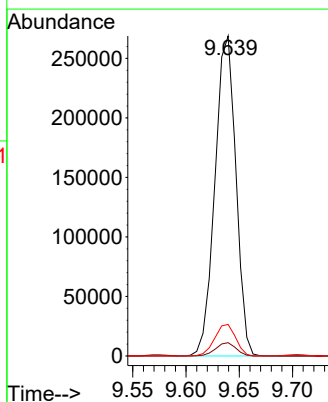
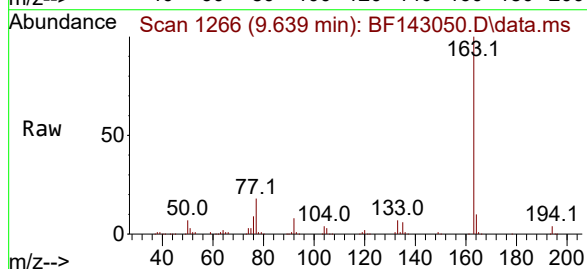
Tgt Ion:163 Resp: 366959

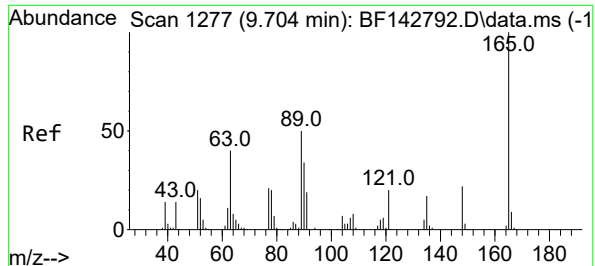
Ion Ratio Lower Upper

163 100

194 4.1 3.3 4.9

164 9.8 8.0 12.0





#51

2,6-Dinitrotoluene

Concen: 46.629 ng

RT: 9.704 min Scan# 11

Delta R.T. 0.000 min

Lab File: BF143050.D

Acq: 09 Jul 2025 11:54

Instrument :

BNA_F

ClientSampleId :

PB168737BS

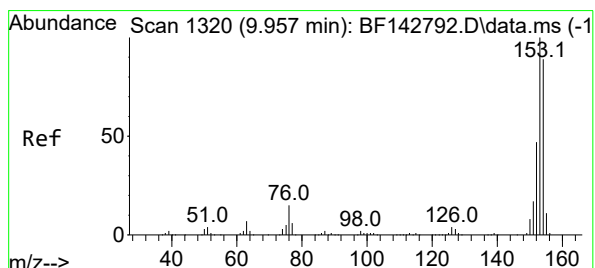
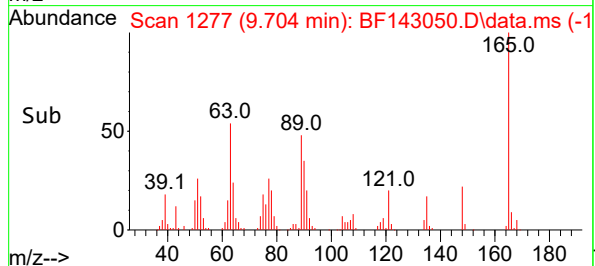
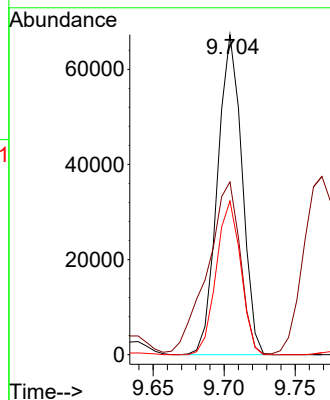
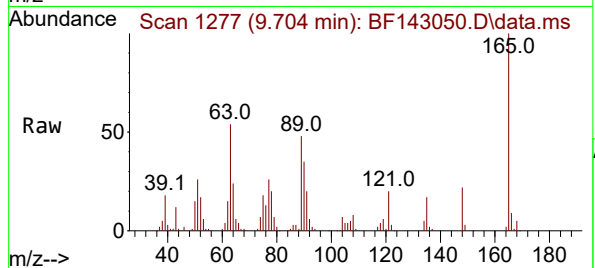
Tgt Ion:165 Resp: 80555

Ion Ratio Lower Upper

165 100

63 54.0 44.2 66.4

89 48.0 39.8 59.8



#52

Acenaphthene

Concen: 48.963 ng m

RT: 9.951 min Scan# 1319

Delta R.T. -0.006 min

Lab File: BF143050.D

Acq: 09 Jul 2025 11:54

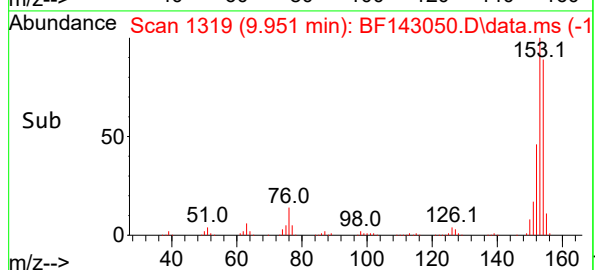
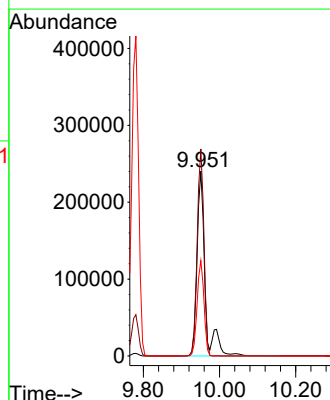
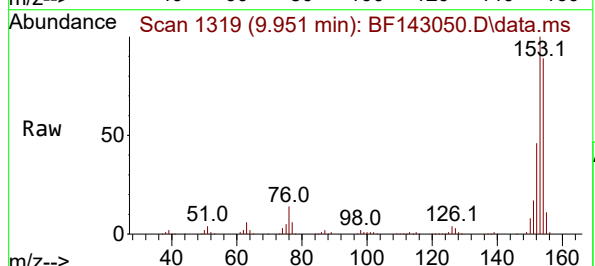
Tgt Ion:154 Resp: 354292

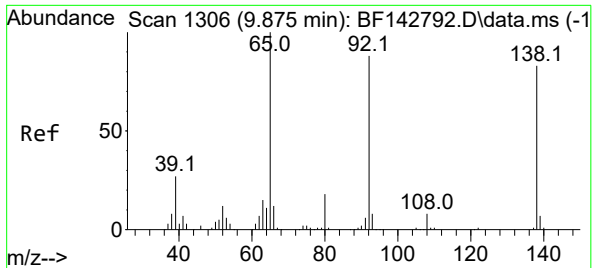
Ion Ratio Lower Upper

154 100

153 112.2 90.0 135.0

152 51.7 41.9 62.9

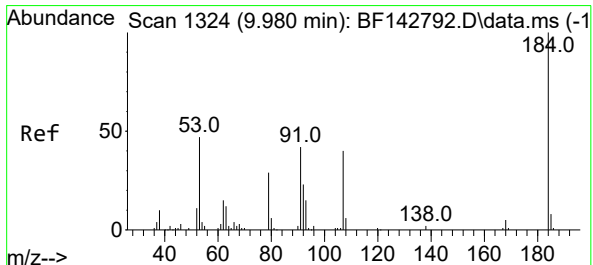
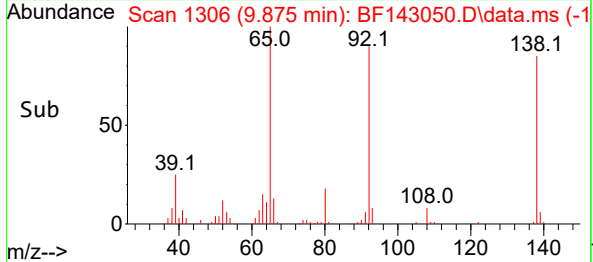
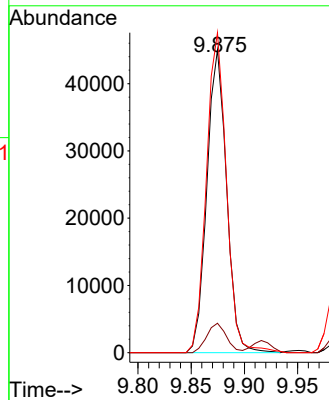
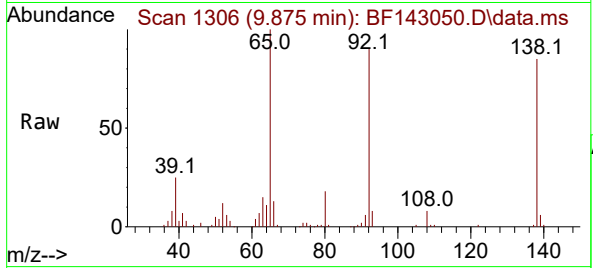




#53
3-Nitroaniline
Concen: 30.537 ng
RT: 9.875 min Scan# 1306
Delta R.T. 0.000 min
Lab File: BF143050.D
Acq: 09 Jul 2025 11:54

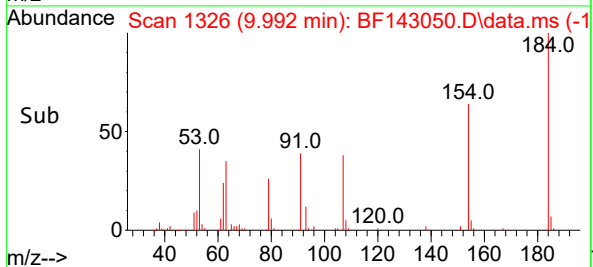
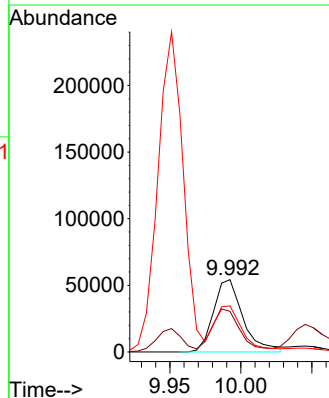
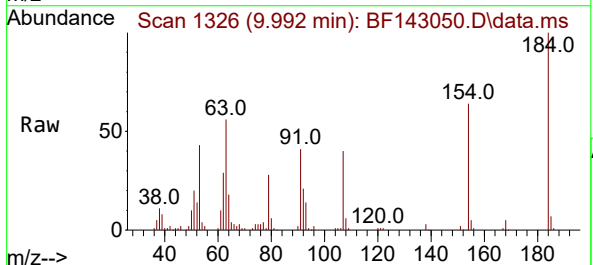
Instrument :
BNA_F
ClientSampleId :
PB168737BS

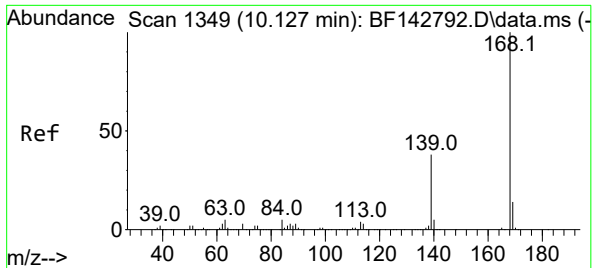
Tgt Ion	Ratio	Lower	Upper
138	100		
108	9.7	8.1	12.1
92	105.6	85.1	127.7



#54
2,4-Dinitrophenol
Concen: 90.563 ng
RT: 9.992 min Scan# 1326
Delta R.T. 0.012 min
Lab File: BF143050.D
Acq: 09 Jul 2025 11:54

Tgt Ion	Ratio	Lower	Upper
184	100		
63	56.3	50.6	75.8
154	63.7	51.8	77.8

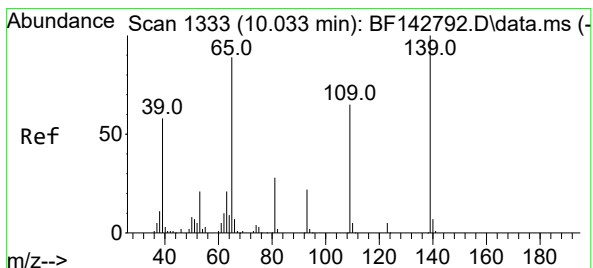
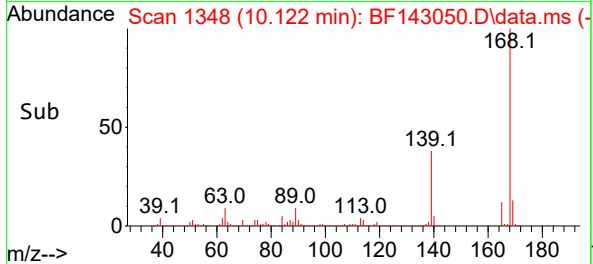
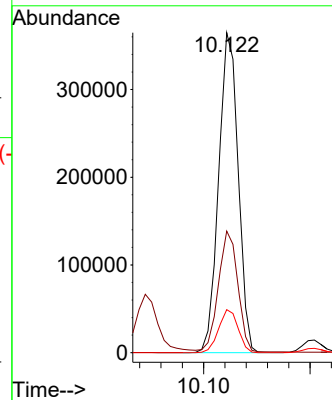
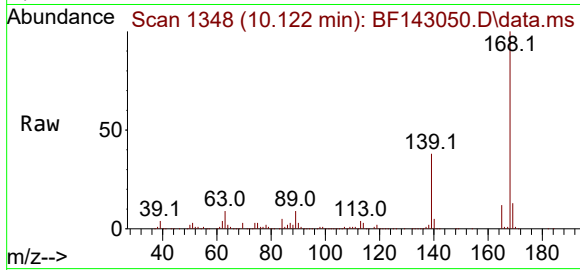




#55
Dibenzofuran
Concen: 44.673 ng
RT: 10.122 min Scan# 1348
Delta R.T. -0.006 min
Lab File: BF143050.D
Acq: 09 Jul 2025 11:54

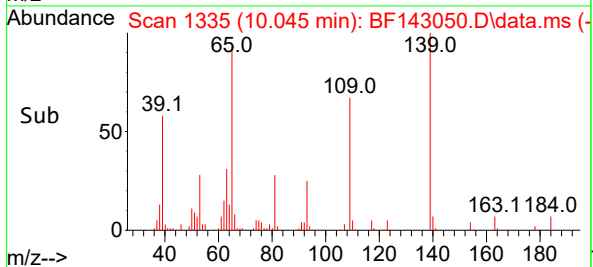
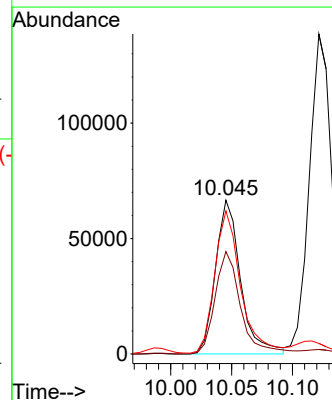
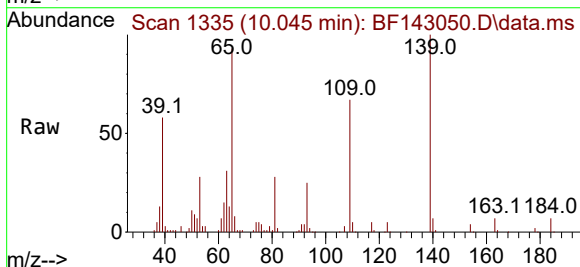
Instrument :
BNA_F
ClientSampleId :
PB168737BS

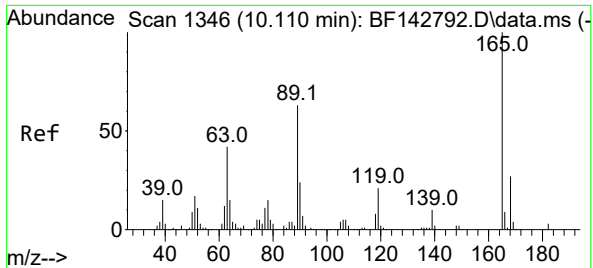
Tgt Ion:168 Resp: 463528
Ion Ratio Lower Upper
168 100
139 38.0 30.2 45.4
169 13.5 10.8 16.2



#56
4-Nitrophenol
Concen: 73.445 ng
RT: 10.045 min Scan# 1335
Delta R.T. 0.012 min
Lab File: BF143050.D
Acq: 09 Jul 2025 11:54

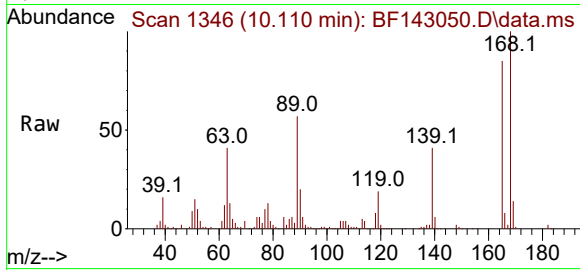
Tgt Ion:139 Resp: 95638
Ion Ratio Lower Upper
139 100
109 66.6 44.7 84.7
65 93.0 69.8 109.8



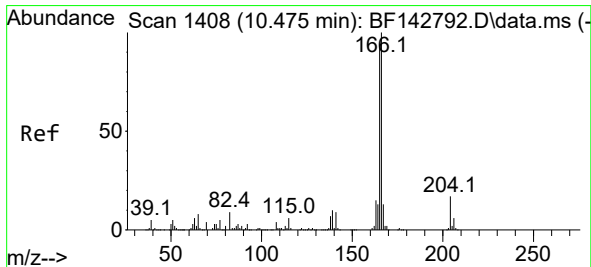
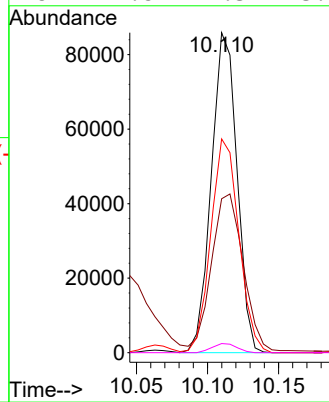
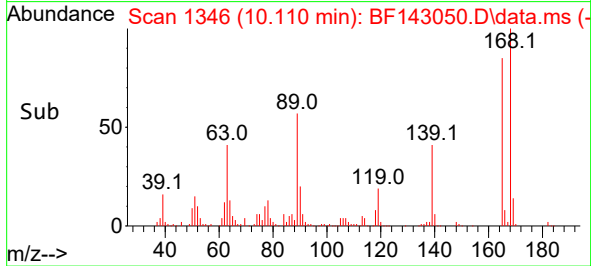


#57
2,4-Dinitrotoluene
Concen: 47.060 ng
RT: 10.110 min Scan# 11
Delta R.T. 0.000 min
Lab File: BF143050.D
Acq: 09 Jul 2025 11:54

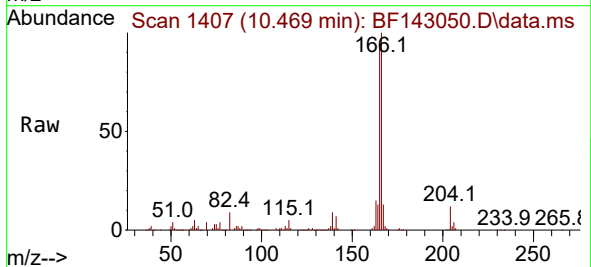
Instrument :
BNA_F
ClientSampleId :
PB168737BS



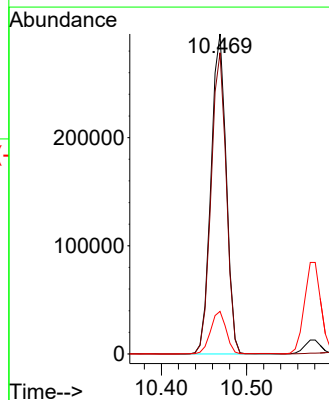
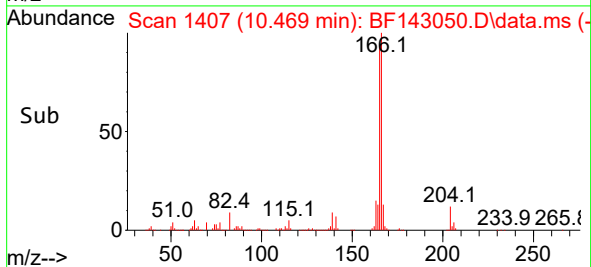
Tgt Ion:165 Resp: 107991
Ion Ratio Lower Upper
165 100
63 48.1 33.9 50.9
89 66.8 50.6 75.8
182 2.8 2.3 3.5

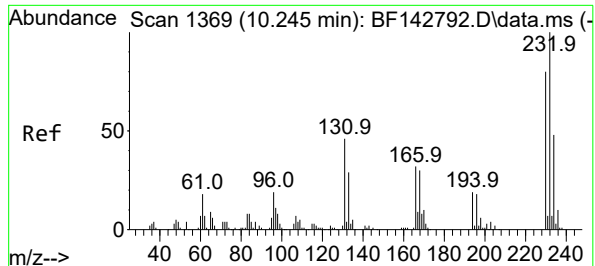


#58
Fluorene
Concen: 45.504 ng
RT: 10.469 min Scan# 1407
Delta R.T. -0.006 min
Lab File: BF143050.D
Acq: 09 Jul 2025 11:54



Tgt Ion:166 Resp: 368742
Ion Ratio Lower Upper
166 100
165 94.1 75.2 112.8
167 13.3 10.6 15.8

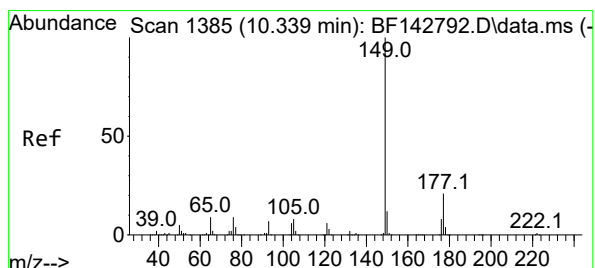
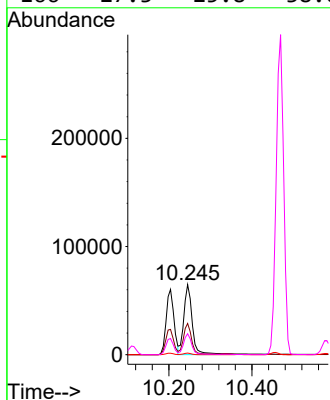
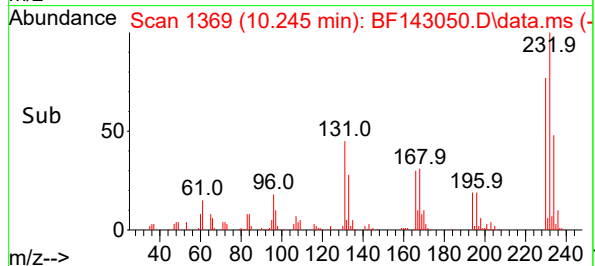
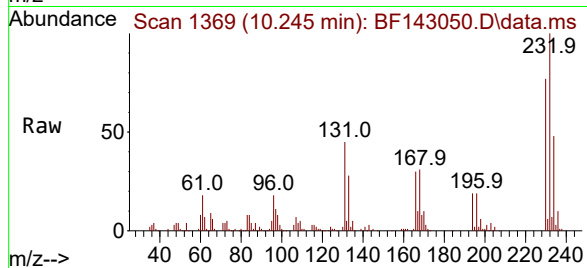




#59
2,3,4,6-Tetrachlorophenol
Concen: 46.145 ng
RT: 10.245 min Scan# 1369
Delta R.T. 0.000 min
Lab File: BF143050.D
Acq: 09 Jul 2025 11:54

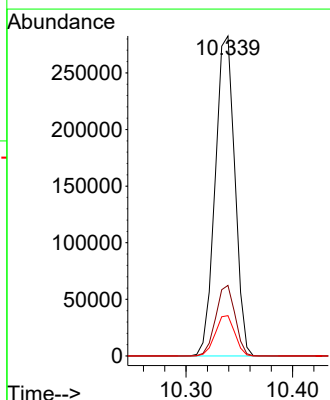
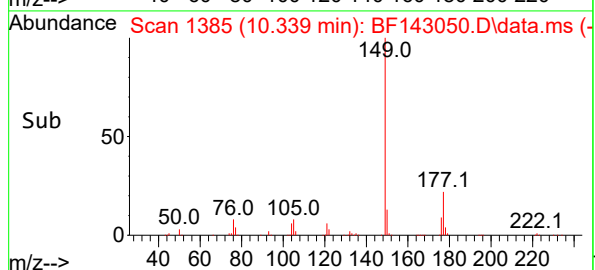
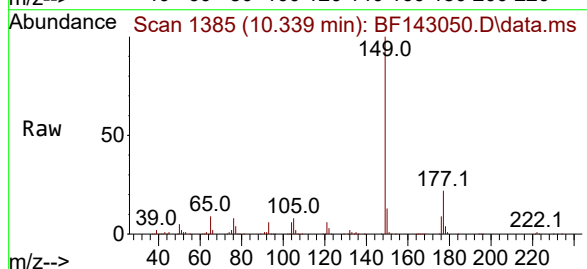
Instrument :
BNA_F
ClientSampleId :
PB168737BS

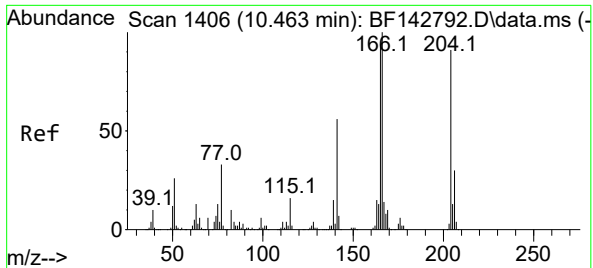
Tgt Ion:232 Resp: 91493
Ion Ratio Lower Upper
232 100
131 42.3 37.6 56.4
130 2.1 1.7 2.5
166 27.3 25.8 38.6



#60
Diethylphthalate
Concen: 46.839 ng
RT: 10.339 min Scan# 1385
Delta R.T. 0.000 min
Lab File: BF143050.D
Acq: 09 Jul 2025 11:54

Tgt Ion:149 Resp: 361272
Ion Ratio Lower Upper
149 100
177 22.0 17.0 25.6
150 12.6 9.8 14.6

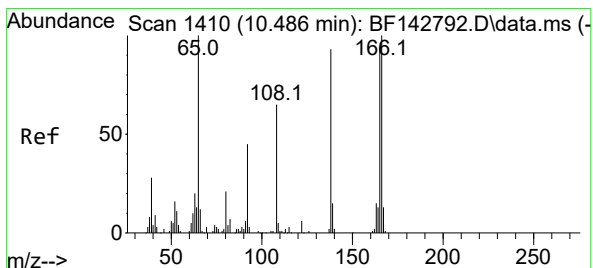
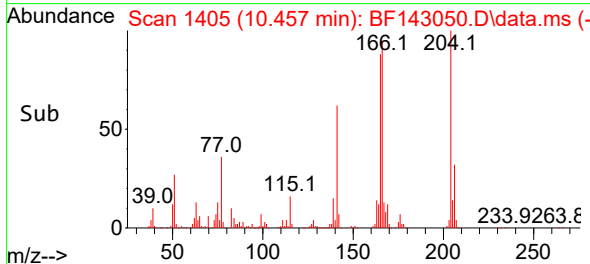
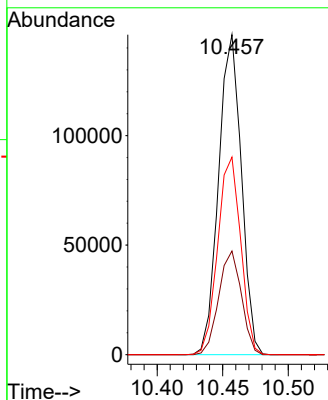
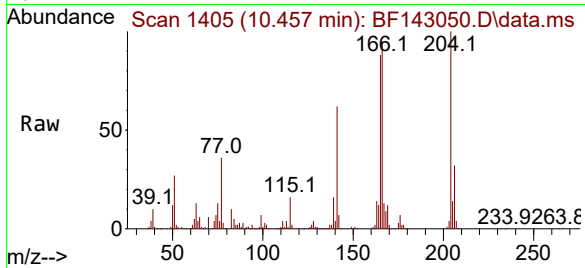




#61
4-Chlorophenyl-phenylether
Concen: 45.525 ng
RT: 10.457 min Scan# 1405
Delta R.T. -0.006 min
Lab File: BF143050.D
Acq: 09 Jul 2025 11:54

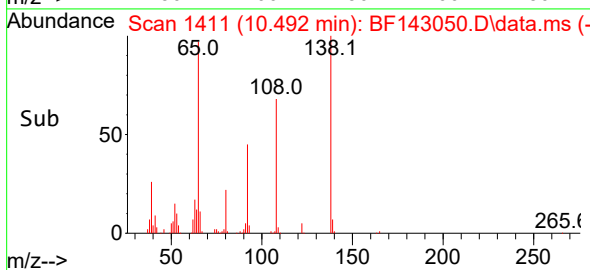
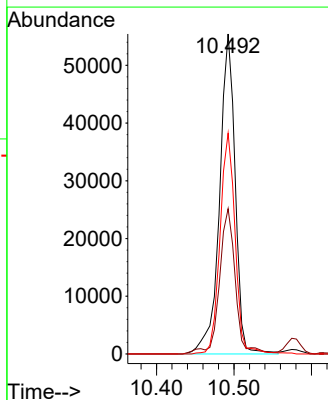
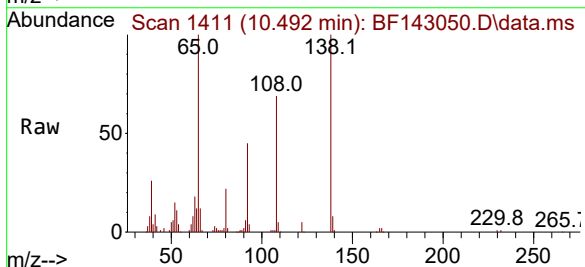
Instrument :
BNA_F
ClientSampleId :
PB168737BS

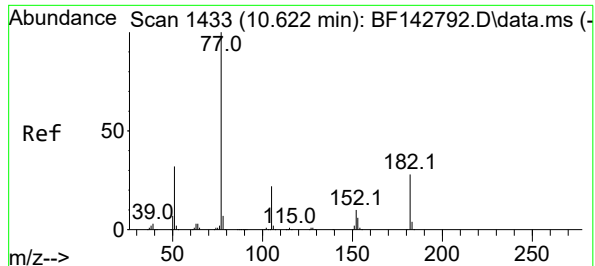
Tgt Ion:204 Resp: 176041
Ion Ratio Lower Upper
204 100
206 32.4 26.3 39.5
141 61.8 49.1 73.7



#62
4-Nitroaniline
Concen: 44.655 ng
RT: 10.492 min Scan# 1411
Delta R.T. 0.006 min
Lab File: BF143050.D
Acq: 09 Jul 2025 11:54

Tgt Ion:138 Resp: 77682
Ion Ratio Lower Upper
138 100
92 45.4 28.4 68.4
108 69.0 50.2 90.2

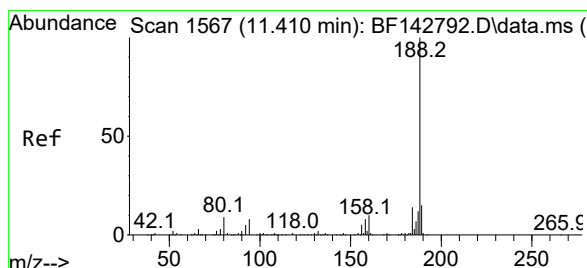
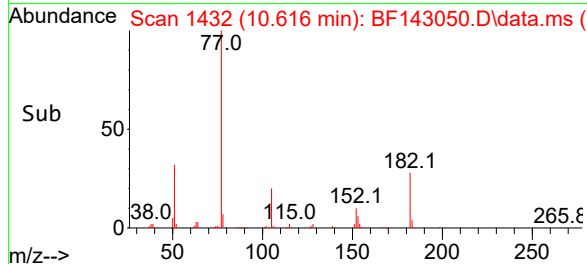
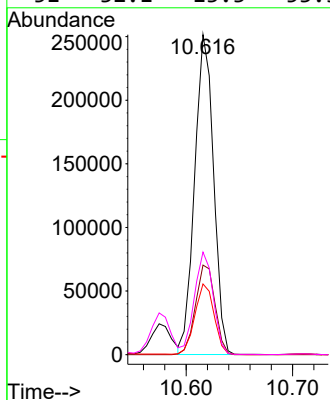
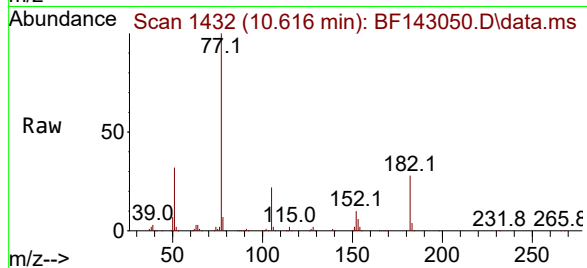




#63
Azobenzene
Concen: 45.067 ng
RT: 10.616 min Scan# 1432
Delta R.T. -0.006 min
Lab File: BF143050.D
Acq: 09 Jul 2025 11:54

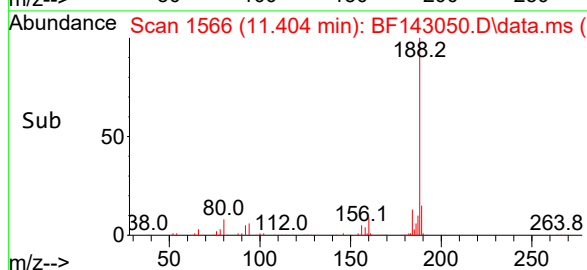
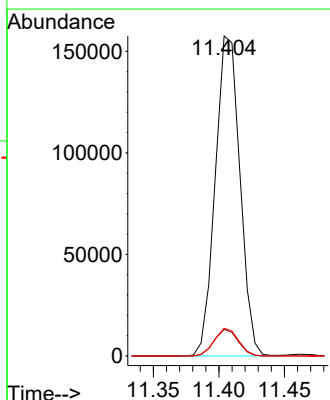
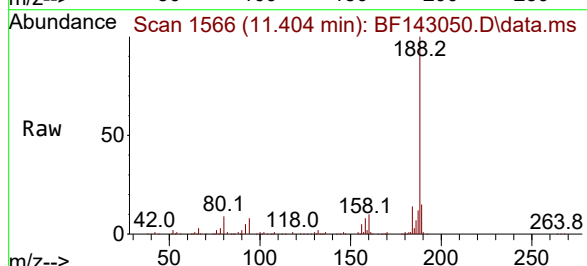
Instrument :
BNA_F
ClientSampleId :
PB168737BS

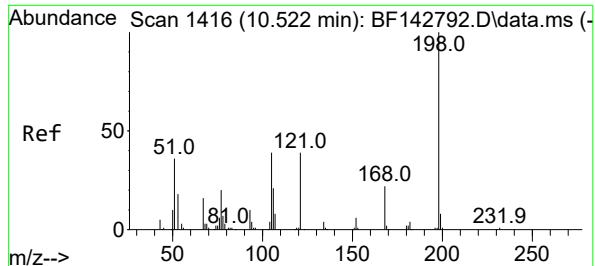
Tgt Ion: 77 Resp: 310675
Ion Ratio Lower Upper
77 100
182 28.0 7.7 47.7
105 22.1 1.9 41.9
51 32.1 13.3 53.3



#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.404 min Scan# 1566
Delta R.T. -0.006 min
Lab File: BF143050.D
Acq: 09 Jul 2025 11:54

Tgt Ion: 188 Resp: 206226
Ion Ratio Lower Upper
188 100
94 8.3 6.7 10.1
80 8.6 6.9 10.3

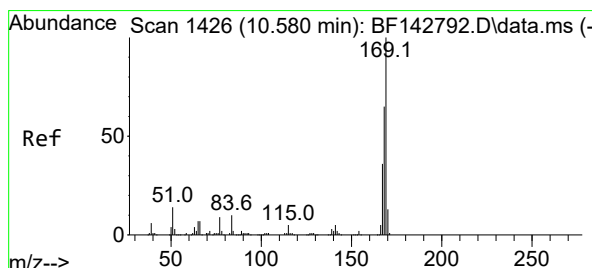
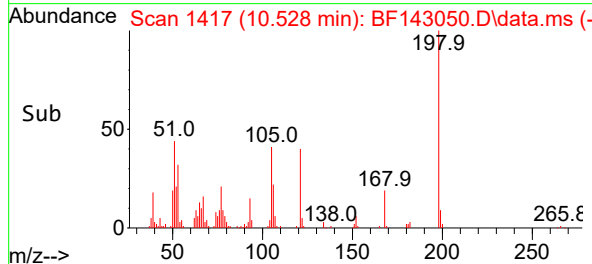
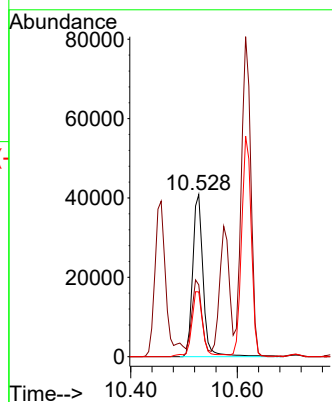
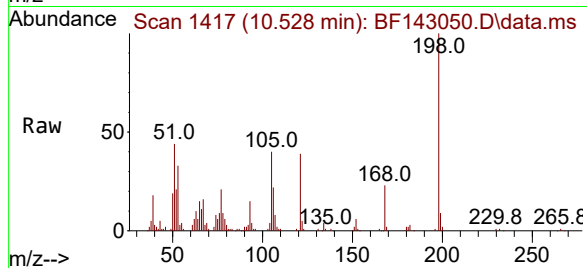




#65
4,6-Dinitro-2-methylphenol
Concen: 44.878 ng
RT: 10.528 min Scan# 1416
Delta R.T. 0.006 min
Lab File: BF143050.D
Acq: 09 Jul 2025 11:54

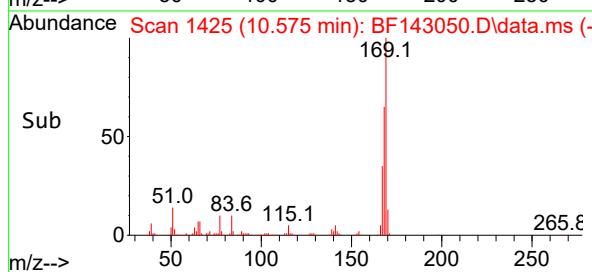
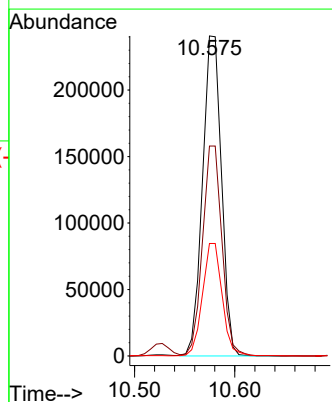
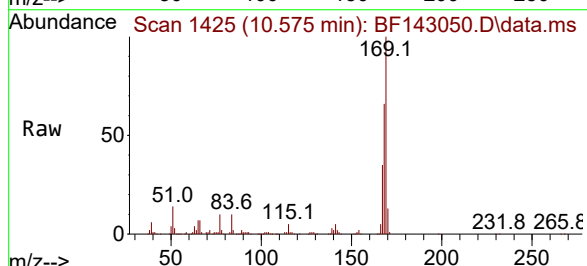
Instrument :
BNA_F
ClientSampleId :
PB168737BS

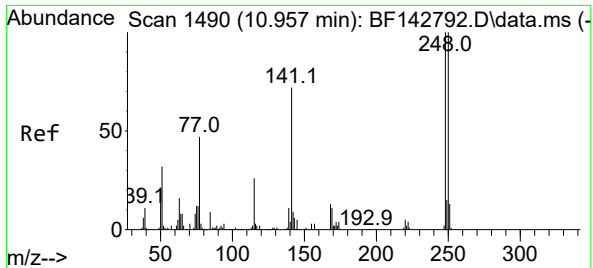
Tgt Ion:198 Resp: 55980
Ion Ratio Lower Upper
198 100
51 44.3 25.4 65.4
105 39.9 20.4 60.4



#66
n-Nitrosodiphenylamine
Concen: 44.408 ng
RT: 10.575 min Scan# 1425
Delta R.T. -0.006 min
Lab File: BF143050.D
Acq: 09 Jul 2025 11:54

Tgt Ion:169 Resp: 317396
Ion Ratio Lower Upper
169 100
168 65.6 51.9 77.9
167 35.1 28.5 42.7

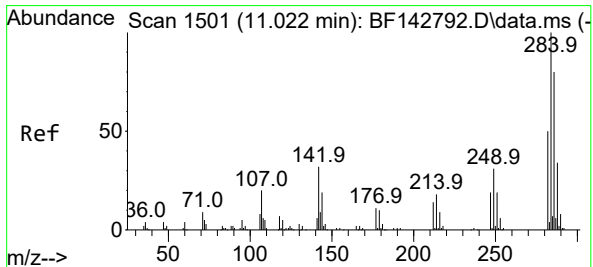
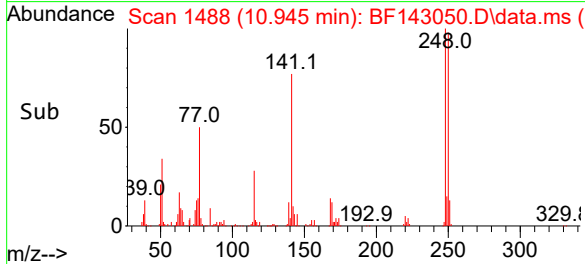
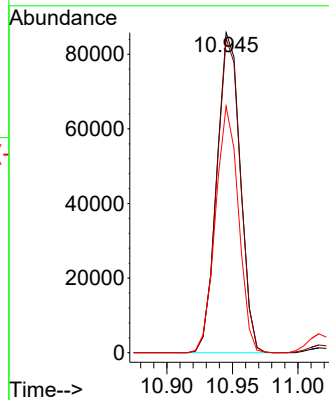
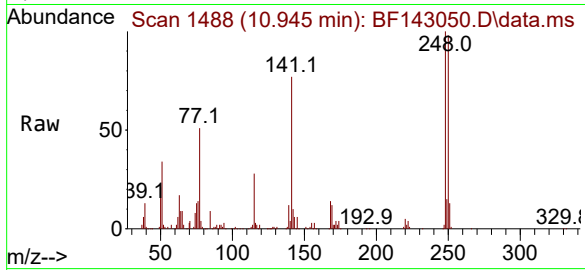




#67
4-Bromophenyl-phenylether
Concen: 45.492 ng
RT: 10.945 min Scan# 1488
Delta R.T. -0.012 min
Lab File: BF143050.D
Acq: 09 Jul 2025 11:54

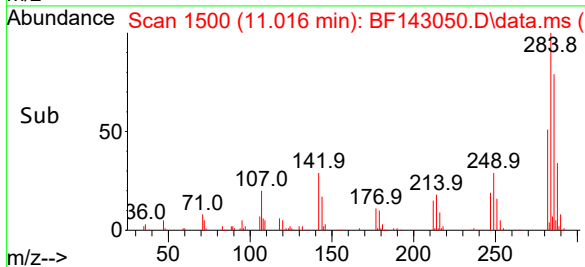
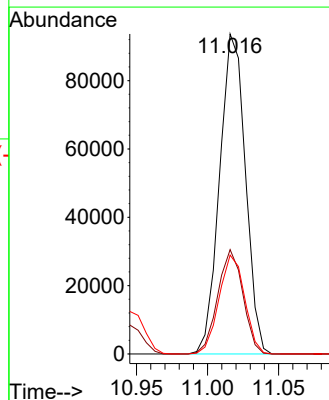
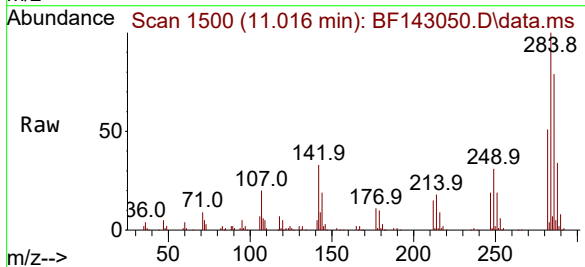
Instrument :
BNA_F
ClientSampleId :
PB168737BS

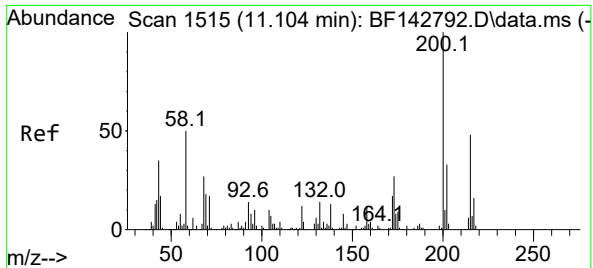
Tgt Ion:248 Resp: 106772
Ion Ratio Lower Upper
248 100
250 98.2 79.8 119.8
141 77.0 57.8 86.6



#68
Hexachlorobenzene
Concen: 45.388 ng
RT: 11.016 min Scan# 1500
Delta R.T. -0.006 min
Lab File: BF143050.D
Acq: 09 Jul 2025 11:54

Tgt Ion:284 Resp: 118369
Ion Ratio Lower Upper
284 100
142 32.6 25.5 38.3
249 30.9 24.9 37.3





#69

Atrazine

Concen: 50.184 ng

RT: 11.104 min Scan# 1515

Delta R.T. 0.000 min

Lab File: BF143050.D

Acq: 09 Jul 2025 11:54

Instrument :

BNA_F

ClientSampleId :

PB168737BS

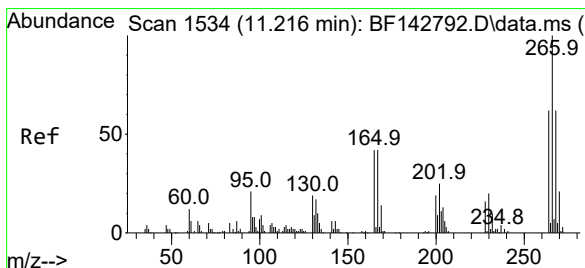
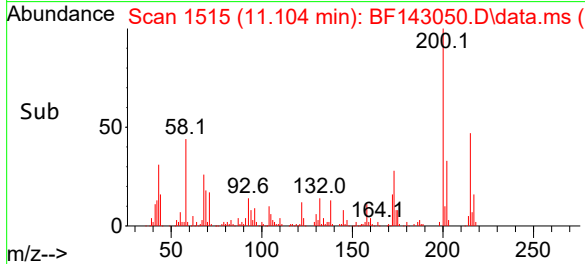
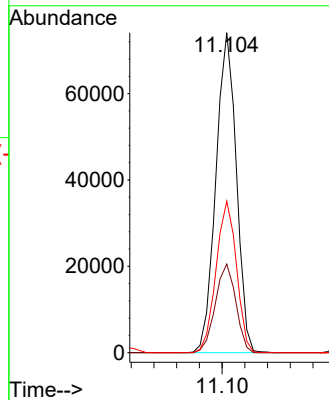
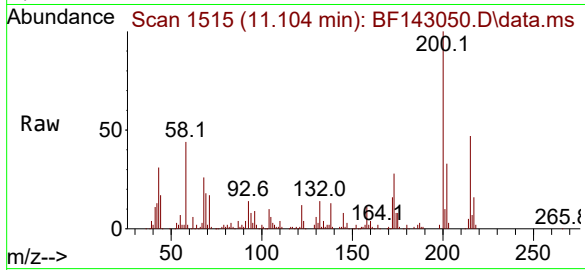
Tgt Ion:200 Resp: 92623

Ion Ratio Lower Upper

200 100

173 27.7 7.4 47.4

215 47.3 28.4 68.4



#70

Pentachlorophenol

Concen: 72.305 ng

RT: 11.216 min Scan# 1534

Delta R.T. 0.000 min

Lab File: BF143050.D

Acq: 09 Jul 2025 11:54

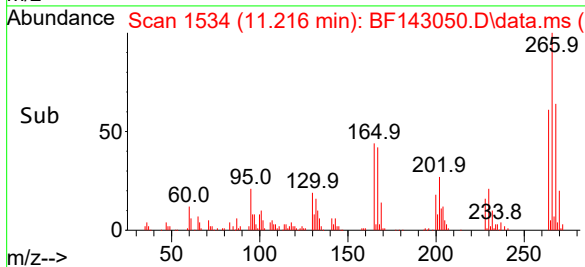
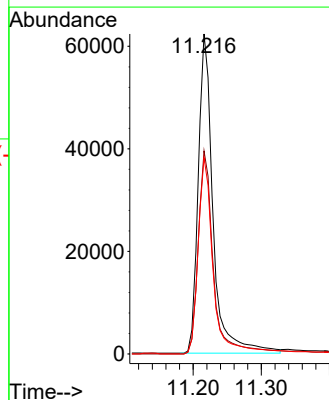
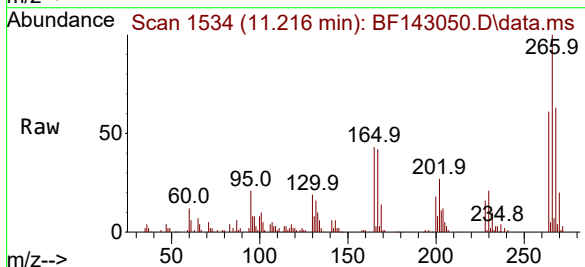
Tgt Ion:266 Resp: 93964

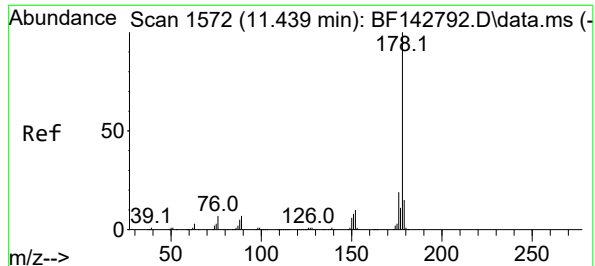
Ion Ratio Lower Upper

266 100

268 63.5 49.8 74.8

264 61.4 49.9 74.9





#71

Phenanthrene

Concen: 43.912 ng

RT: 11.433 min Scan# 1571

Delta R.T. -0.006 min

Lab File: BF143050.D

Acq: 09 Jul 2025 11:54

Instrument :

BNA_F

ClientSampleId :

PB168737BS

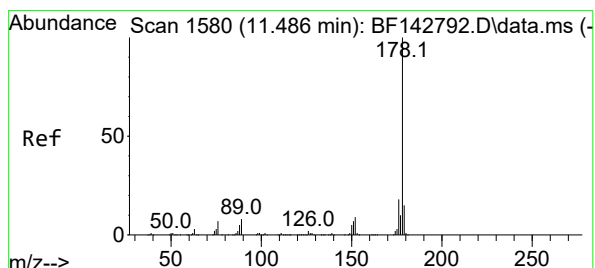
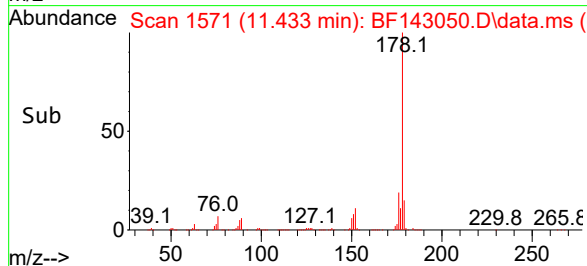
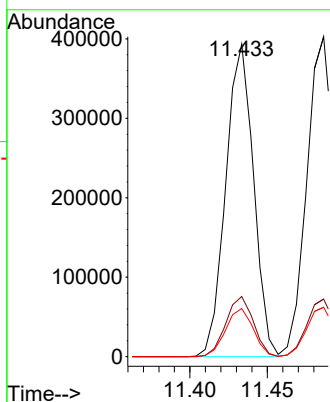
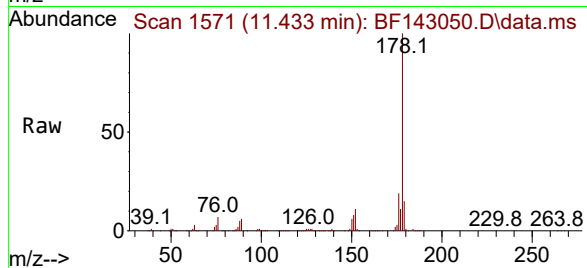
Tgt Ion:178 Resp: 490556

Ion Ratio Lower Upper

178 100

176 19.2 15.1 22.7

179 15.4 12.0 18.0



#72

Anthracene

Concen: 44.238 ng

RT: 11.486 min Scan# 1580

Delta R.T. 0.000 min

Lab File: BF143050.D

Acq: 09 Jul 2025 11:54

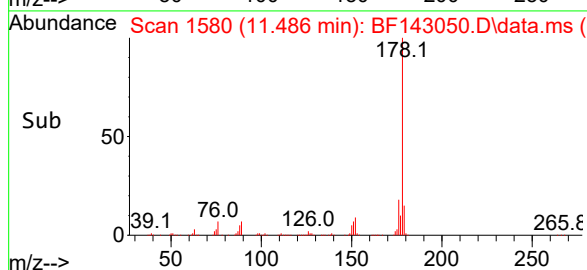
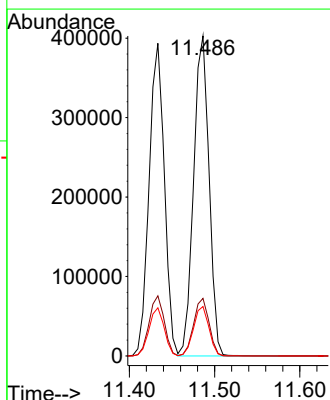
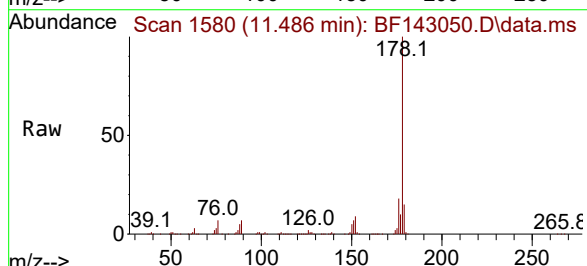
Tgt Ion:178 Resp: 506842

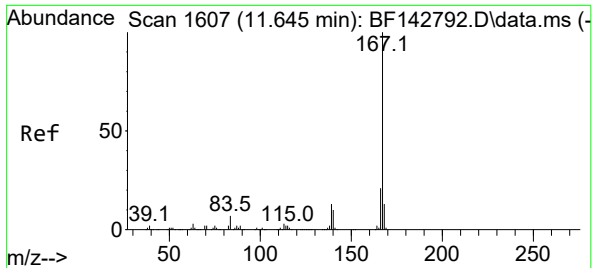
Ion Ratio Lower Upper

178 100

176 18.0 14.6 21.8

179 15.5 12.4 18.6

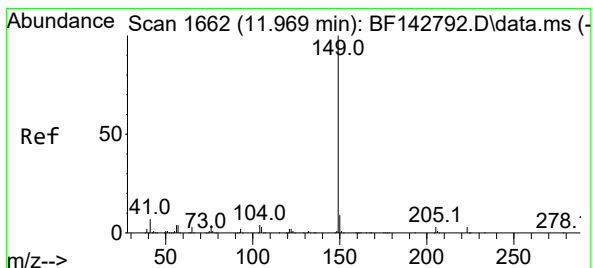
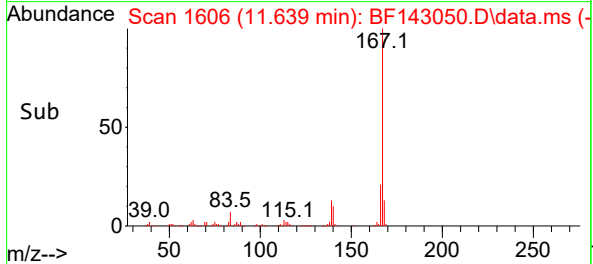
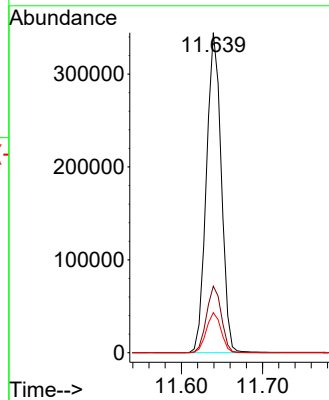
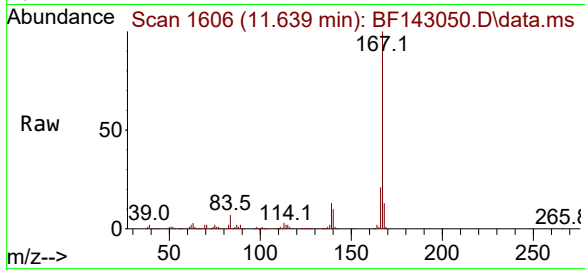




#73
Carbazole
Concen: 44.225 ng
RT: 11.639 min Scan# 1606
Delta R.T. -0.006 min
Lab File: BF143050.D
Acq: 09 Jul 2025 11:54

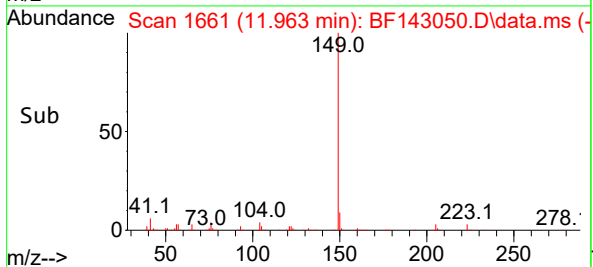
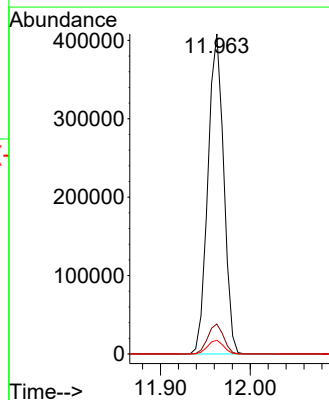
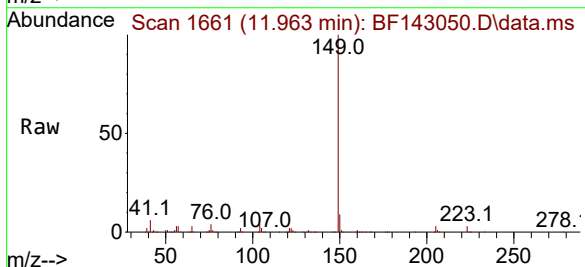
Instrument :
BNA_F
ClientSampleId :
PB168737BS

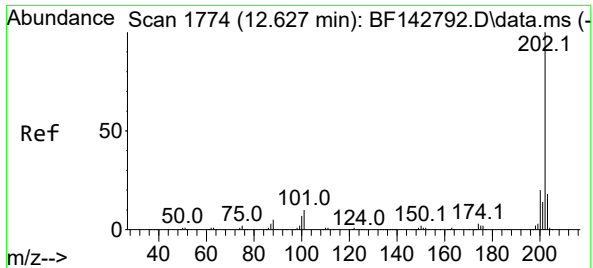
Tgt Ion:167 Resp: 437258
Ion Ratio Lower Upper
167 100
166 20.8 17.0 25.4
139 12.5 10.2 15.2



#74
Di-n-butylphthalate
Concen: 48.431 ng
RT: 11.963 min Scan# 1661
Delta R.T. -0.006 min
Lab File: BF143050.D
Acq: 09 Jul 2025 11:54

Tgt Ion:149 Resp: 498833
Ion Ratio Lower Upper
149 100
150 9.3 7.4 11.0
104 4.3 3.5 5.3

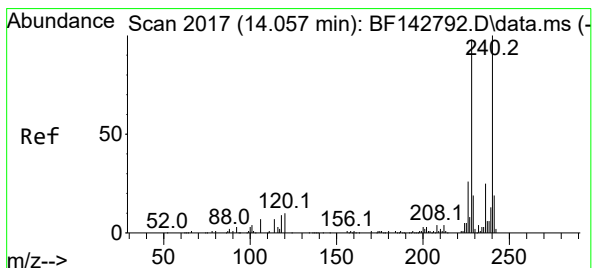
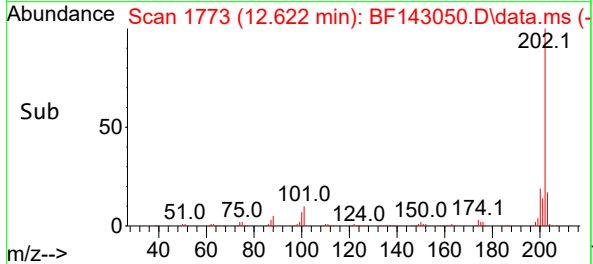
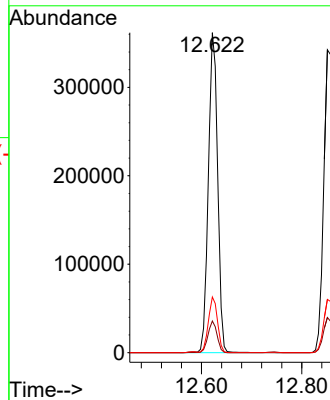
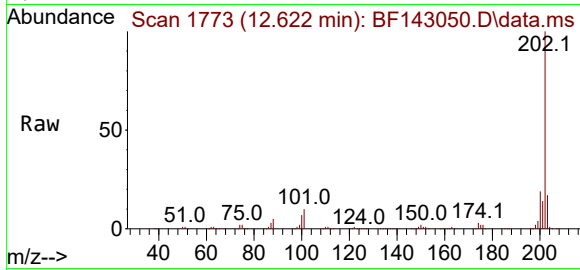




#75
Fluoranthene
Concen: 43.887 ng
RT: 12.622 min Scan# 1774
Delta R.T. -0.006 min
Lab File: BF143050.D
Acq: 09 Jul 2025 11:54

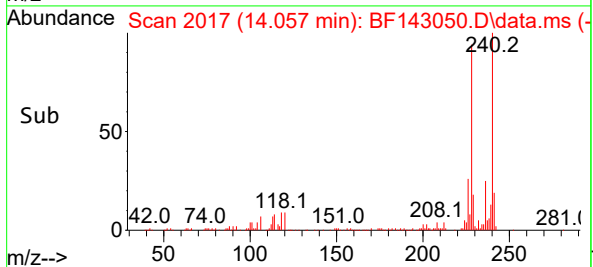
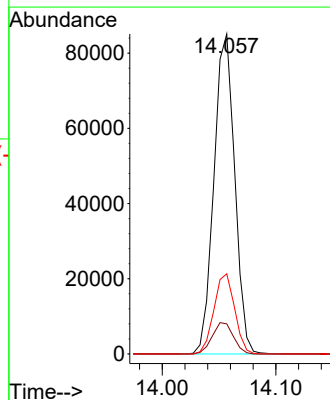
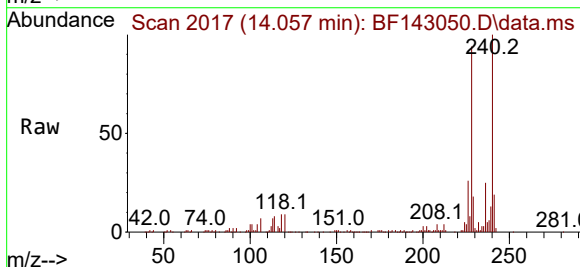
Instrument :
BNA_F
ClientSampleId :
PB168737BS

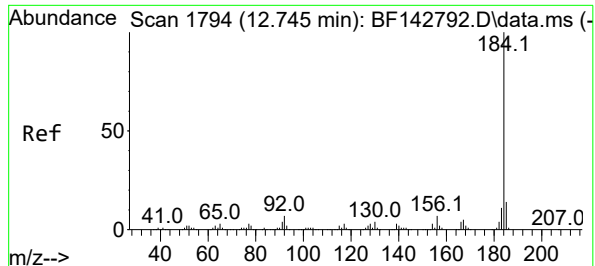
Tgt Ion	Ratio	Lower	Upper
202	100		
101	9.9	0.0	29.7
203	17.4	0.0	37.5



#76
Chrysene-d12
Concen: 20.000 ng
RT: 14.057 min Scan# 2017
Delta R.T. 0.000 min
Lab File: BF143050.D
Acq: 09 Jul 2025 11:54

Tgt Ion	Ratio	Lower	Upper
240	100		
120	9.4	8.2	12.2
236	25.1	19.8	29.8





#77

Benzidine

Concen: 40.090 ng

RT: 12.745 min Scan# 1

Delta R.T. 0.000 min

Lab File: BF143050.D

Acq: 09 Jul 2025 11:54

Instrument :

BNA_F

ClientSampleId :

PB168737BS

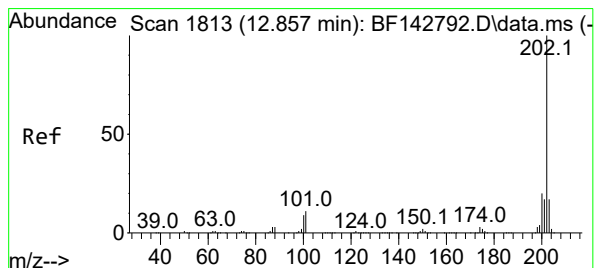
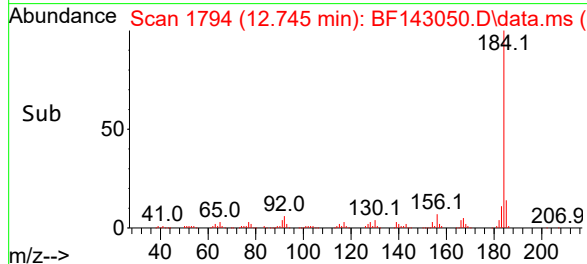
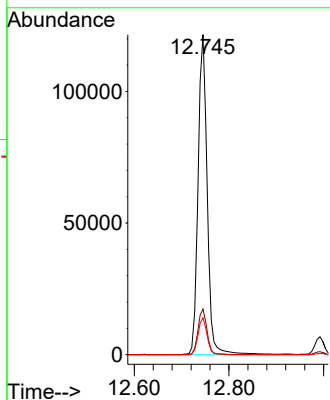
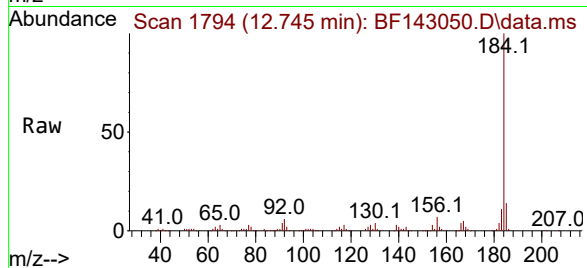
Tgt Ion:184 Resp: 162907

Ion Ratio Lower Upper

184 100

185 14.2 11.5 17.3

183 11.5 9.0 13.4



#78

Pyrene

Concen: 45.191 ng

RT: 12.851 min Scan# 1812

Delta R.T. -0.006 min

Lab File: BF143050.D

Acq: 09 Jul 2025 11:54

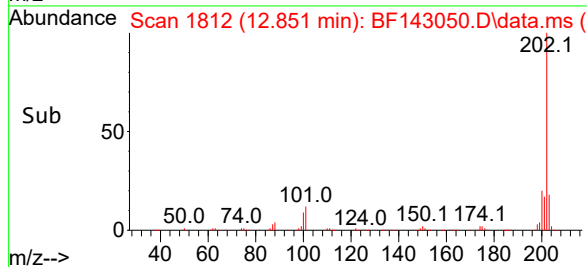
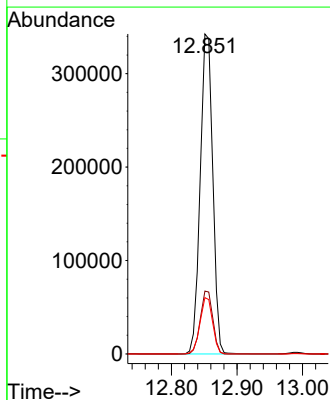
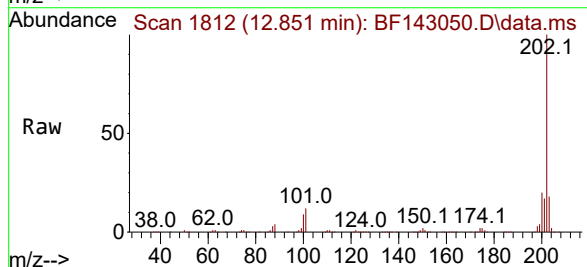
Tgt Ion:202 Resp: 458140

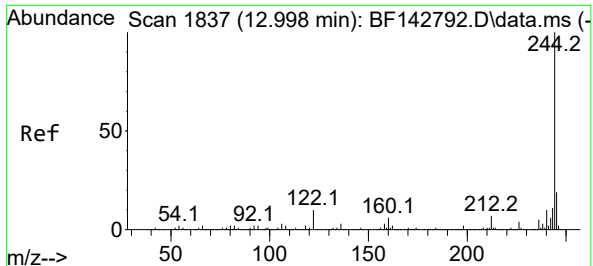
Ion Ratio Lower Upper

202 100

200 19.6 15.7 23.5

203 17.6 13.8 20.6





#79

Terphenyl-d14

Concen: 84.109 ng

RT: 12.992 min Scan# 11

Delta R.T. -0.006 min

Lab File: BF143050.D

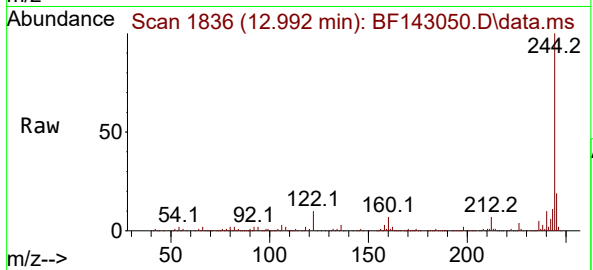
Acq: 09 Jul 2025 11:54

Instrument :

BNA_F

ClientSampleId :

PB168737BS



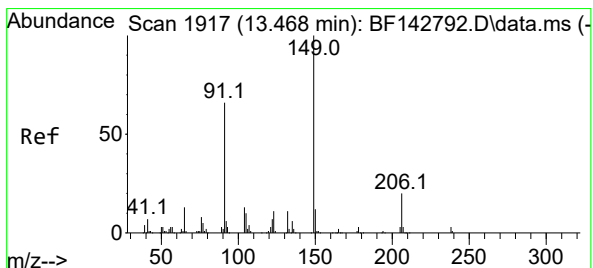
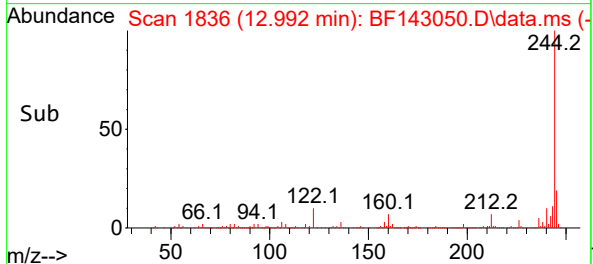
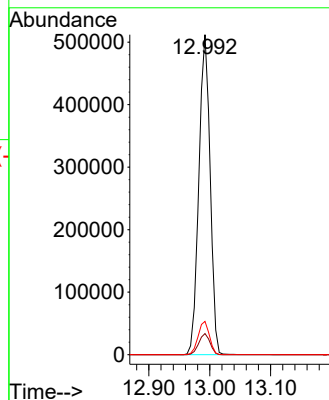
Tgt Ion:244 Resp: 658375

Ion Ratio Lower Upper

244 100

212 6.6 5.4 8.0

122 10.4 8.2 12.2



#80

Butylbenzylphthalate

Concen: 48.970 ng

RT: 13.463 min Scan# 1916

Delta R.T. -0.006 min

Lab File: BF143050.D

Acq: 09 Jul 2025 11:54

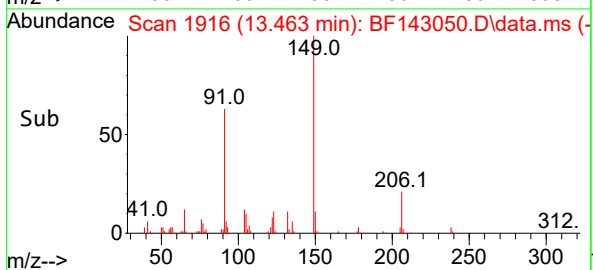
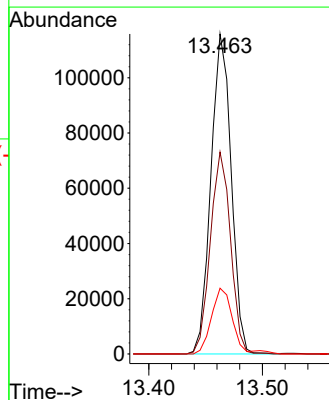
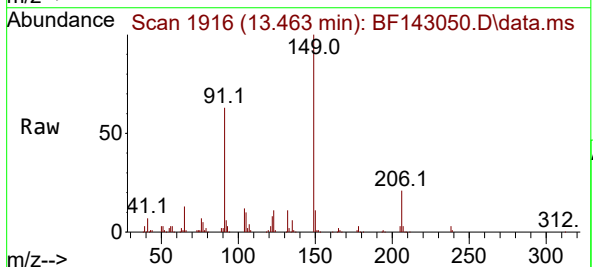
Tgt Ion:149 Resp: 144006

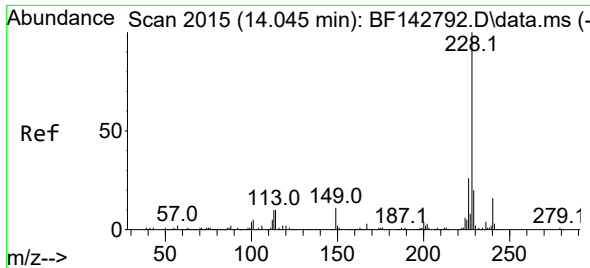
Ion Ratio Lower Upper

149 100

91 63.1 52.9 79.3

206 20.5 16.3 24.5

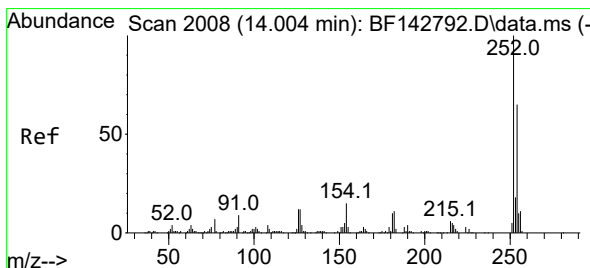
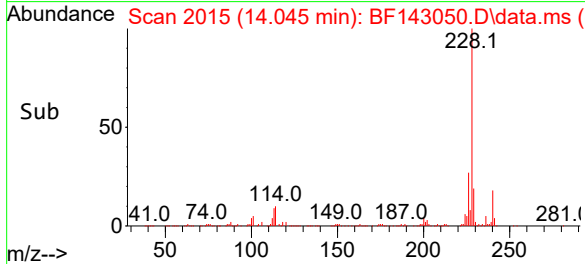
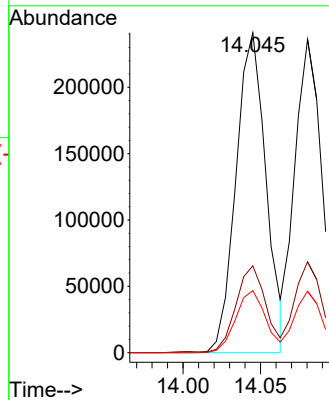
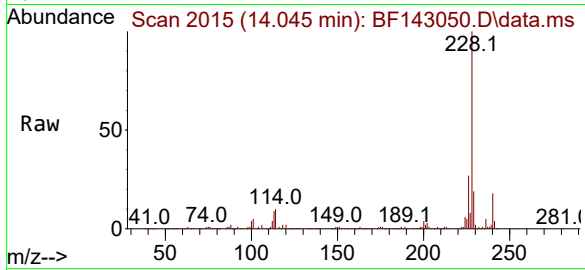




#81
Benzo(a)anthracene
Concen: 44.435 ng
RT: 14.045 min Scan# 2015
Delta R.T. 0.000 min
Lab File: BF143050.D
Acq: 09 Jul 2025 11:54

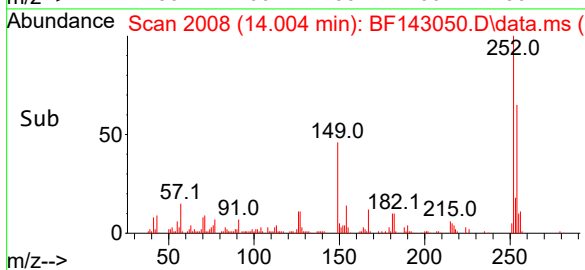
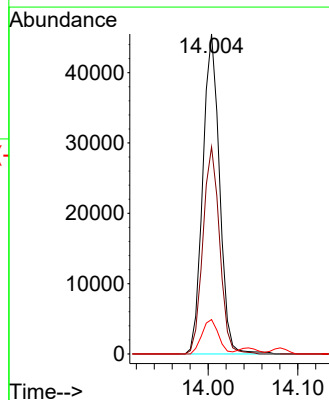
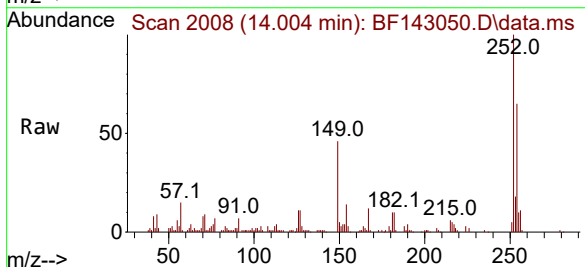
Instrument :
BNA_F
ClientSampleId :
PB168737BS

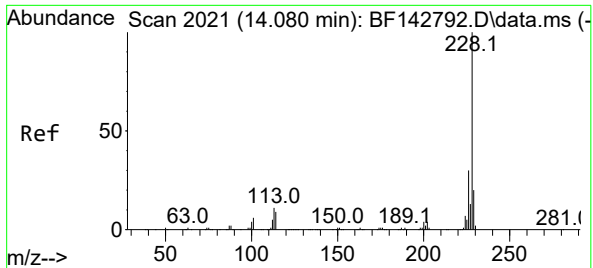
Tgt Ion:228 Resp: 324209
Ion Ratio Lower Upper
228 100
226 27.1 21.2 31.8
229 19.4 15.6 23.4



#82
3,3'-Dichlorobenzidine
Concen: 24.902 ng
RT: 14.004 min Scan# 2008
Delta R.T. 0.000 min
Lab File: BF143050.D
Acq: 09 Jul 2025 11:54

Tgt Ion:252 Resp: 58933
Ion Ratio Lower Upper
252 100
254 64.7 51.7 77.5
126 10.8 9.4 14.2





#83

Chrysene

Concen: 44.143 ng

RT: 14.080 min Scan# 20

Delta R.T. 0.000 min

Lab File: BF143050.D

Acq: 09 Jul 2025 11:54

Instrument :

BNA_F

ClientSampleId :

PB168737BS

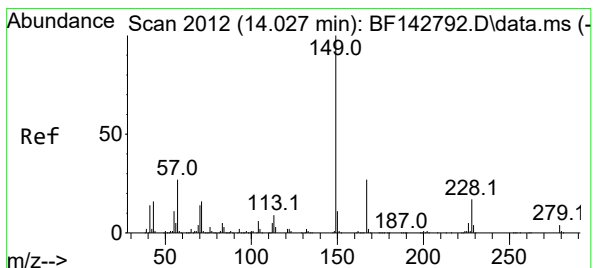
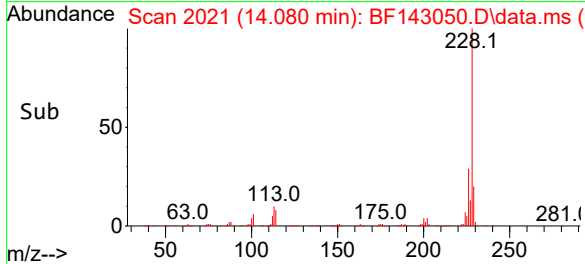
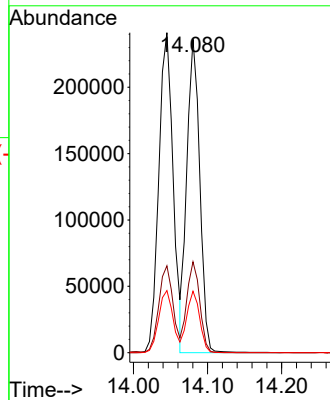
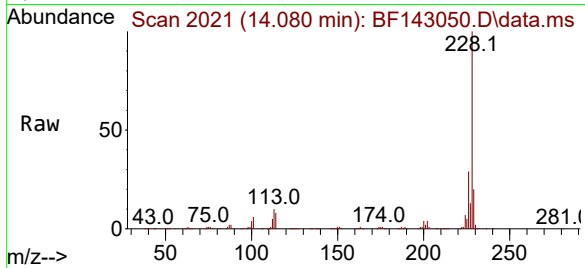
Tgt Ion:228 Resp: 287397

Ion Ratio Lower Upper

228 100

226 29.0 23.7 35.5

229 19.6 15.7 23.5



#84

Bis(2-ethylhexyl)phthalate

Concen: 48.071 ng

RT: 14.021 min Scan# 2011

Delta R.T. -0.006 min

Lab File: BF143050.D

Acq: 09 Jul 2025 11:54

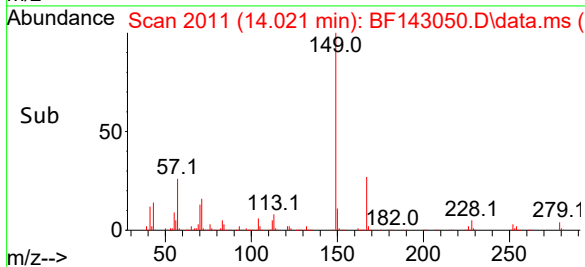
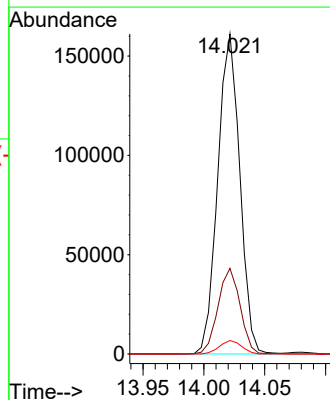
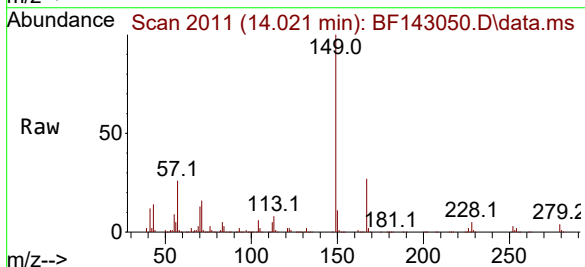
Tgt Ion:149 Resp: 203388

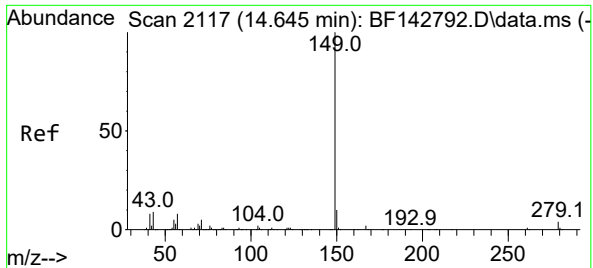
Ion Ratio Lower Upper

149 100

167 26.7 21.4 32.0

279 4.2 3.0 4.6

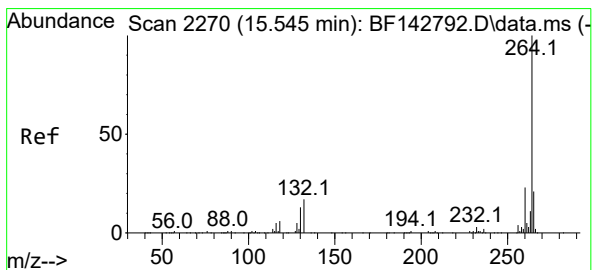
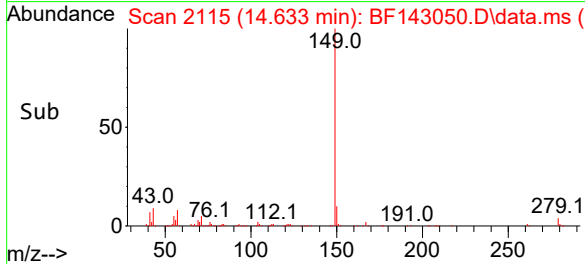
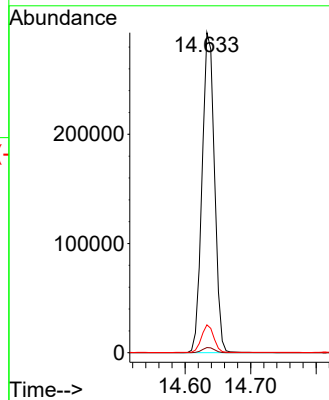
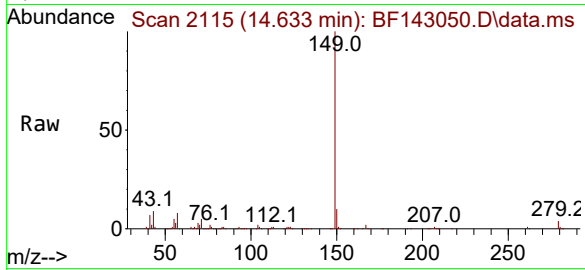




#85
Di-n-octyl phthalate
Concen: 48.561 ng
RT: 14.633 min Scan# 2115
Delta R.T. -0.012 min
Lab File: BF143050.D
Acq: 09 Jul 2025 11:54

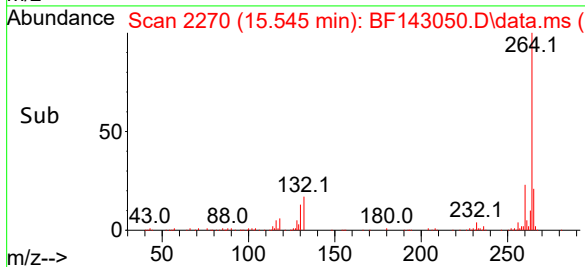
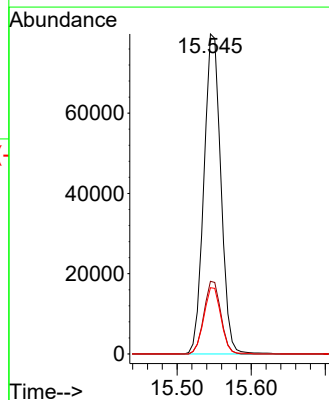
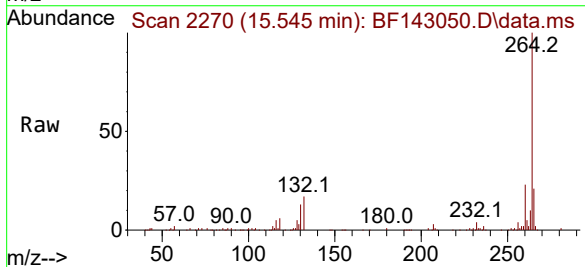
Instrument :
BNA_F
ClientSampleId :
PB168737BS

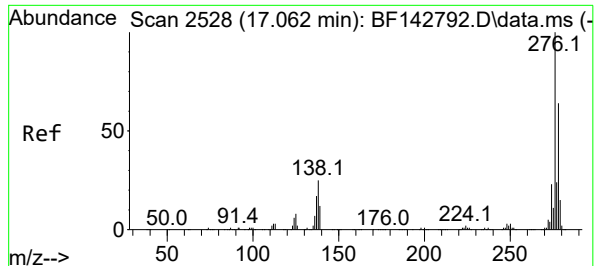
Tgt Ion:149 Resp: 387425
Ion Ratio Lower Upper
149 100
167 1.6 1.3 1.9
43 8.6 7.6 11.4



#86
Perylene-d12
Concen: 20.000 ng
RT: 15.545 min Scan# 2270
Delta R.T. 0.000 min
Lab File: BF143050.D
Acq: 09 Jul 2025 11:54

Tgt Ion:264 Resp: 126456
Ion Ratio Lower Upper
264 100
260 22.7 18.1 27.1
265 20.7 16.6 25.0





#87

Indeno(1,2,3-cd)pyrene

Concen: 42.597 ng

RT: 17.074 min Scan# 2196

Delta R.T. 0.012 min

Lab File: BF143050.D

Acq: 09 Jul 2025 11:54

Instrument :

BNA_F

ClientSampleId :

PB168737BS

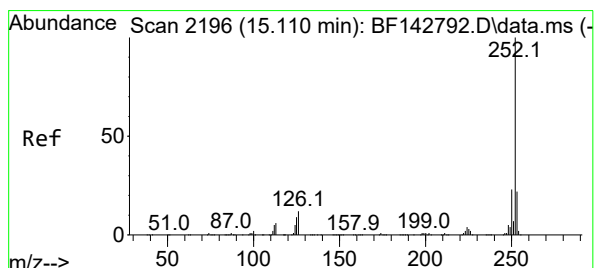
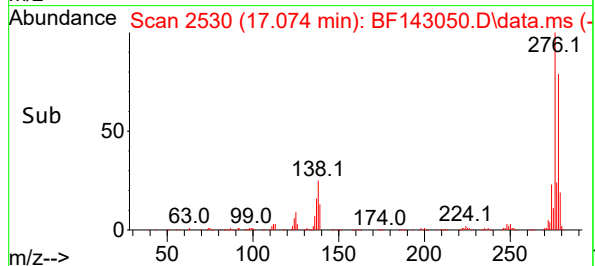
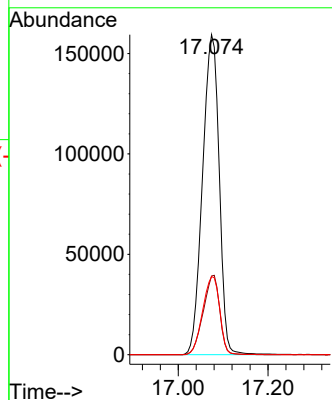
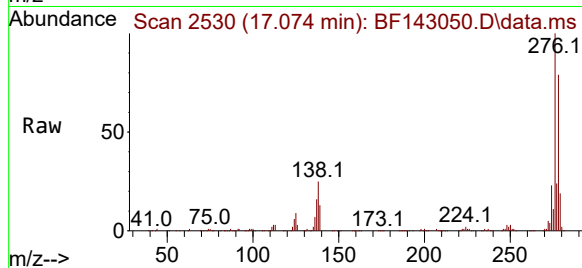
Tgt Ion:276 Resp: 410298

Ion Ratio Lower Upper

276 100

138 24.4 20.2 30.4

277 25.0 19.8 29.6



#88

Benzo(b)fluoranthene

Concen: 43.230 ng

RT: 15.110 min Scan# 2196

Delta R.T. 0.000 min

Lab File: BF143050.D

Acq: 09 Jul 2025 11:54

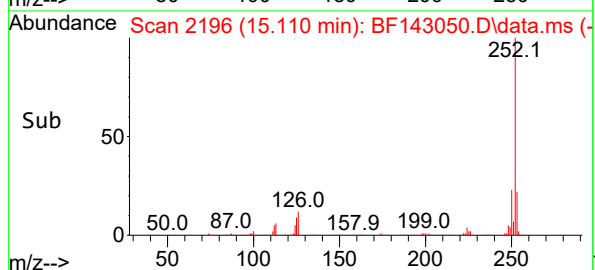
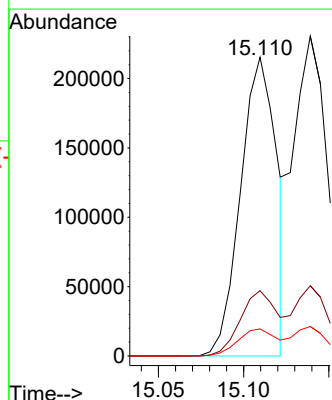
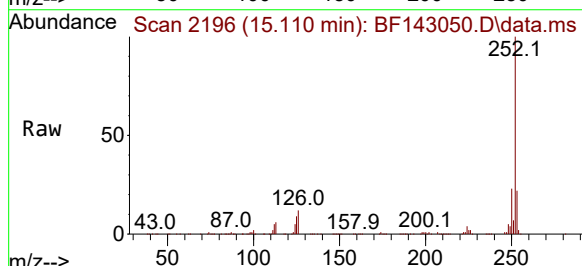
Tgt Ion:252 Resp: 316328

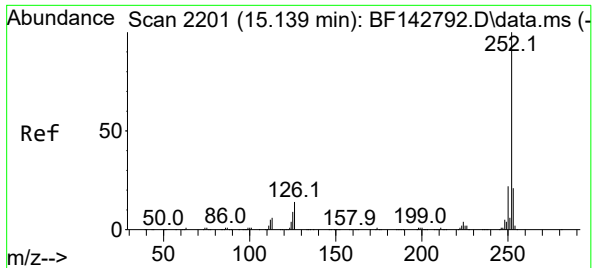
Ion Ratio Lower Upper

252 100

253 21.8 17.5 26.3

125 9.1 7.4 11.0





#89

Benzo(k)fluoranthene

Concen: 47.444 ng

RT: 15.139 min Scan# 2201

Delta R.T. 0.000 min

Lab File: BF143050.D

Acq: 09 Jul 2025 11:54

Instrument :

BNA_F

ClientSampleId :

PB168737BS

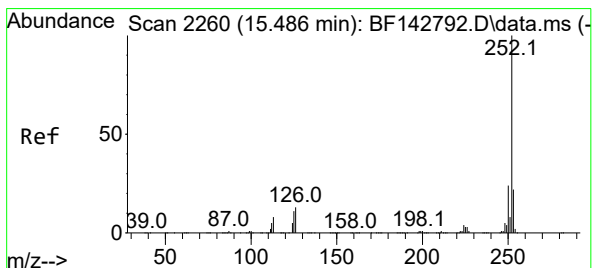
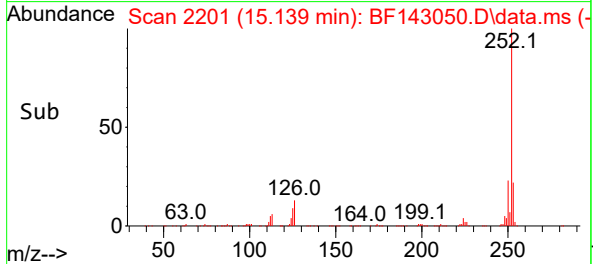
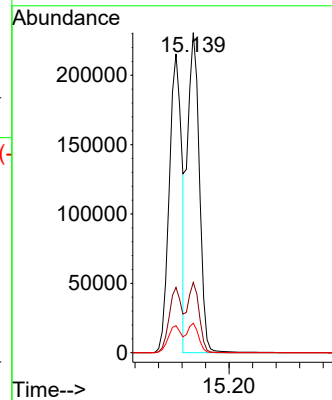
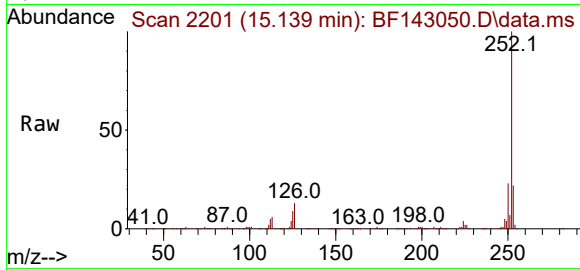
Tgt Ion:252 Resp: 324795

Ion Ratio Lower Upper

252 100

253 21.9 17.2 25.8

125 9.2 7.4 11.2



#90

Benzo(a)pyrene

Concen: 45.135 ng

RT: 15.486 min Scan# 2260

Delta R.T. 0.000 min

Lab File: BF143050.D

Acq: 09 Jul 2025 11:54

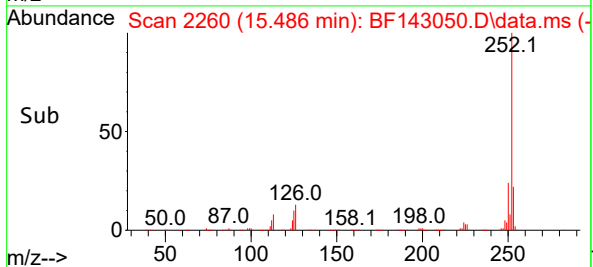
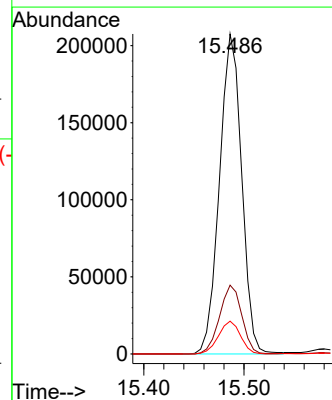
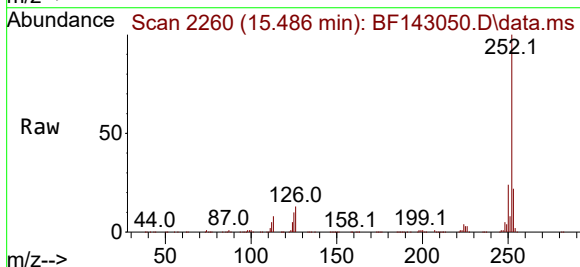
Tgt Ion:252 Resp: 319058

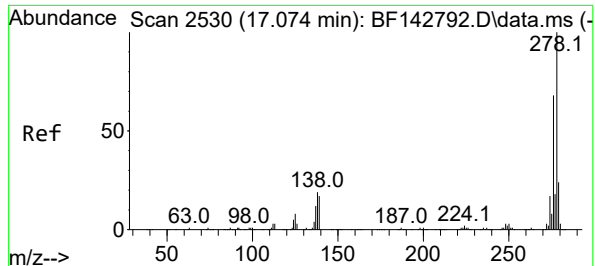
Ion Ratio Lower Upper

252 100

253 21.5 17.5 26.3

125 10.3 8.6 12.8





#91

Dibenzo(a,h)anthracene

Concen: 42.503 ng

RT: 17.086 min Scan# 21

Delta R.T. 0.012 min

Lab File: BF143050.D

Acq: 09 Jul 2025 11:54

Instrument :

BNA_F

ClientSampleId :

PB168737BS

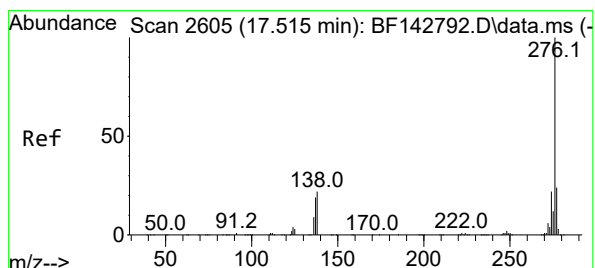
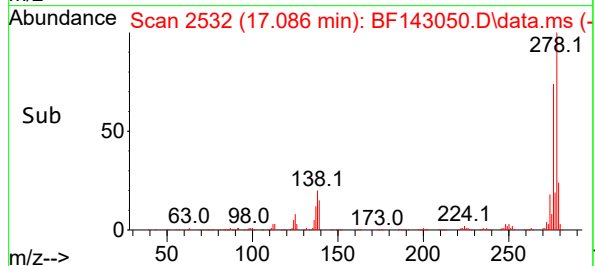
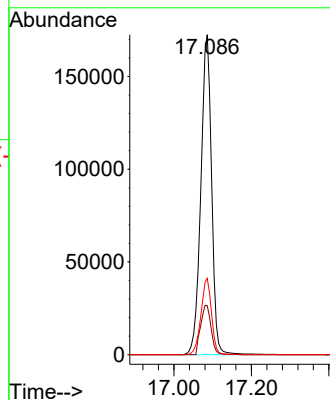
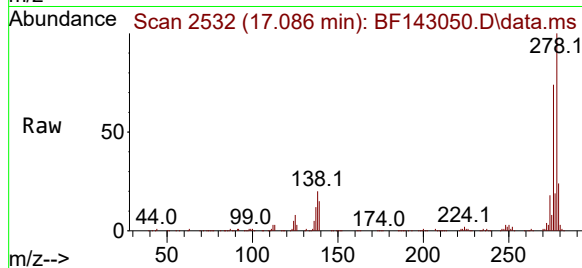
Tgt Ion:278 Resp: 332637

Ion Ratio Lower Upper

278 100

139 15.4 13.5 20.3

279 23.8 18.8 28.2



#92

Benzo(g,h,i)perylene

Concen: 41.934 ng

RT: 17.533 min Scan# 2608

Delta R.T. 0.018 min

Lab File: BF143050.D

Acq: 09 Jul 2025 11:54

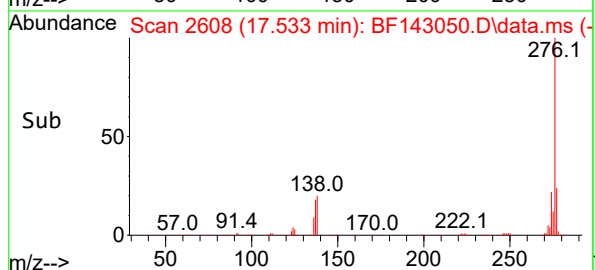
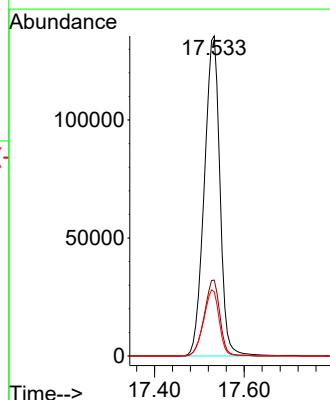
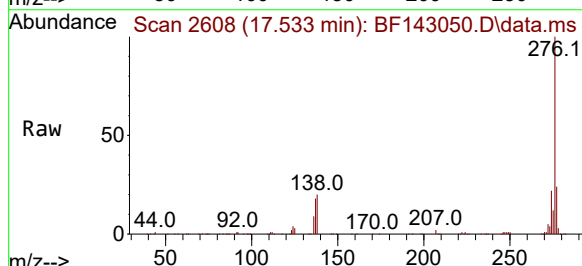
Tgt Ion:276 Resp: 327253

Ion Ratio Lower Upper

276 100

277 23.7 18.8 28.2

138 20.1 17.6 26.4



Report of Analysis

Client:	CDM Smith	Date Collected:	07/03/25
Project:	South River WM Replacement	Date Received:	07/03/25
Client Sample ID:	TP-78MS	SDG No.:	Q2514
Lab Sample ID:	Q2514-08MS	Matrix:	SOIL
Analytical Method:	8270E	% Solid:	86.3
Sample Wt/Vol:	30.01	Units:	g
Soil Aliquot Vol:			uL
Extraction Type :		Decanted :	N
Injection Volume :		Level :	LOW
		GPC Factor :	1.0
		GPC Cleanup :	N
		PH :	
Prep Method :	SW3541		

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
BF143032.D	1	07/07/25 09:00	07/08/25 14:32	PB168737

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units(Dry Weight)
TARGETS						
100-52-7	Benzaldehyde	1800		180	380	ug/Kg
108-95-2	Phenol	1700		25.6	200	ug/Kg
111-44-4	bis(2-Chloroethyl)ether	1800		28.1	200	ug/Kg
95-57-8	2-Chlorophenol	1800		28.3	200	ug/Kg
95-48-7	2-Methylphenol	1800		34.6	200	ug/Kg
108-60-1	2,2-oxybis(1-Chloropropane)	1600		43.4	200	ug/Kg
98-86-2	Acetophenone	1800		34.2	200	ug/Kg
65794-96-9	3+4-Methylphenols	1800		47.6	380	ug/Kg
621-64-7	n-Nitroso-di-n-propylamine	1800		54.9	92.7	ug/Kg
67-72-1	Hexachloroethane	1800		20.4	200	ug/Kg
98-95-3	Nitrobenzene	1700		21.2	200	ug/Kg
78-59-1	Isophorone	1700		38.0	200	ug/Kg
88-75-5	2-Nitrophenol	1800		67.4	200	ug/Kg
105-67-9	2,4-Dimethylphenol	1700		75.1	200	ug/Kg
111-91-1	bis(2-Chloroethoxy)methane	1800		35.7	200	ug/Kg
120-83-2	2,4-Dichlorophenol	1800		32.8	200	ug/Kg
91-20-3	Naphthalene	1800		26.3	200	ug/Kg
106-47-8	4-Chloroaniline	1300		41.0	200	ug/Kg
87-68-3	Hexachlorobutadiene	1800		29.3	200	ug/Kg
105-60-2	Caprolactam	1400		60.4	380	ug/Kg
59-50-7	4-Chloro-3-methylphenol	1700		33.2	200	ug/Kg
91-57-6	2-Methylnaphthalene	1800		29.7	200	ug/Kg
77-47-4	Hexachlorocyclopentadiene	3000		130	380	ug/Kg
88-06-2	2,4,6-Trichlorophenol	1700		22.9	200	ug/Kg
95-95-4	2,4,5-Trichlorophenol	1700		33.7	200	ug/Kg
92-52-4	1,1-Biphenyl	1900		25.3	200	ug/Kg
91-58-7	2-Chloronaphthalene	1900		26.1	200	ug/Kg
88-74-4	2-Nitroaniline	1800		55.7	200	ug/Kg
131-11-3	Dimethylphthalate	1800		31.4	200	ug/Kg

Report of Analysis

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Project:	South River WM Replacement	Date Received:	07/03/25
Client Sample ID:	TP-78MS	SDG No.:	Q2514
Lab Sample ID:	Q2514-08MS	Matrix:	SOIL
Analytical Method:	8270E	% Solid:	86.3
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
BF143032.D	1	07/07/25 09:00	07/08/25 14:32	PB168737

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units(Dry Weight)
208-96-8	Acenaphthylene	1800		33.5	200	ug/Kg
606-20-2	2,6-Dinitrotoluene	1800		38.9	200	ug/Kg
99-09-2	3-Nitroaniline	1400		53.3	200	ug/Kg
83-32-9	Acenaphthene	1800		24.7	200	ug/Kg
51-28-5	2,4-Dinitrophenol	1600		270	380	ug/Kg
100-02-7	4-Nitrophenol	2400		120	380	ug/Kg
132-64-9	Dibenzofuran	1800		26.3	200	ug/Kg
121-14-2	2,4-Dinitrotoluene	1800		58.0	200	ug/Kg
84-66-2	Diethylphthalate	1800		32.8	200	ug/Kg
7005-72-3	4-Chlorophenyl-phenylether	1800		30.9	200	ug/Kg
86-73-7	Fluorene	1800		29.3	200	ug/Kg
100-01-6	4-Nitroaniline	1700		74.4	200	ug/Kg
534-52-1	4,6-Dinitro-2-methylphenol	1400		120	380	ug/Kg
86-30-6	n-Nitrosodiphenylamine	1900		38.1	200	ug/Kg
101-55-3	4-Bromophenyl-phenylether	2000		32.2	200	ug/Kg
118-74-1	Hexachlorobenzene	1900		29.3	200	ug/Kg
1912-24-9	Atrazine	1900		39.4	200	ug/Kg
87-86-5	Pentachlorophenol	2100		59.4	380	ug/Kg
85-01-8	Phenanthrene	1900		24.2	200	ug/Kg
120-12-7	Anthracene	1800		38.6	200	ug/Kg
86-74-8	Carbazole	1800		36.1	200	ug/Kg
84-74-2	Di-n-butylphthalate	2000		55.5	200	ug/Kg
206-44-0	Fluoranthene	1700		34.8	200	ug/Kg
129-00-0	Pyrene	1300		41.7	200	ug/Kg
85-68-7	Butylbenzylphthalate	1900		82.7	200	ug/Kg
91-94-1	3,3-Dichlorobenzidine	1400		42.5	380	ug/Kg
56-55-3	Benzo(a)anthracene	1800		26.6	200	ug/Kg
218-01-9	Chrysene	1900		23.1	200	ug/Kg
117-81-7	Bis(2-ethylhexyl)phthalate	1900		68.6	200	ug/Kg
117-84-0	Di-n-octyl phthalate	1900		100	380	ug/Kg
205-99-2	Benzo(b)fluoranthene	1900		22.0	200	ug/Kg

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Lab Sample ID:	Q2514-08MS	Matrix:	SOIL
Analytical Method:	8270E	% Solid:	86.3
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
BF143032.D	1	07/07/25 09:00	07/08/25 14:32	PB168737

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units(Dry Weight)
207-08-9	Benzo(k)fluoranthene	1900		25.9	200	ug/Kg
50-32-8	Benzo(a)pyrene	1900		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	1500		31.7	200	ug/Kg
191-24-2	Benzo(g,h,i)perylene	1400		29.8	200	ug/Kg
95-94-3	1,2,4,5-Tetrachlorobenzene	1900		29.7	200	ug/Kg
123-91-1	1,4-Dioxane	1400		52.4	200	ug/Kg
58-90-2	2,3,4,6-Tetrachlorophenol	1400		31.7	200	ug/Kg
SURROGATES						
367-12-4	2-Fluorophenol	76.1		18 - 112	51%	SPK: 150
13127-88-3	Phenol-d6	76.2		15 - 107	51%	SPK: 150
4165-60-0	Nitrobenzene-d5	48.0		18 - 107	48%	SPK: 100
321-60-8	2-Fluorobiphenyl	48.6		20 - 109	49%	SPK: 100
118-79-6	2,4,6-Tribromophenol	68.0		10 - 116	45%	SPK: 150
1718-51-0	Terphenyl-d14	35.9		10 - 105	36%	SPK: 100
INTERNAL STANDARDS						
3855-82-1	1,4-Dichlorobenzene-d4	50300	6.875			
1146-65-2	Naphthalene-d8	189000	8.157			
15067-26-2	Acenaphthene-d10	92900	9.916			
1517-22-2	Phenanthrene-d10	136000	11.404			
1719-03-5	Chrysene-d12	97600	14.057			
1520-96-3	Perylene-d12	122000	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 : BF143032.D
 Acq On : 08 Jul 2025 14:32
 Operator : RC/JU
 Sample : Q2514-08MS
 Misc :
 ALS Vial : 9 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 TP-78MS

Quant Time: Jul 08 14:55:15 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	50264	20.000	ng	0.00
21) Naphthalene-d8	8.157	136	189189	20.000	ng	-0.01
39) Acenaphthene-d10	9.916	164	92887	20.000	ng	0.00
64) Phenanthrene-d10	11.404	188	136328	20.000	ng	0.00
76) Chrysene-d12	14.057	240	97647	20.000	ng	0.00
86) Perylene-d12	15.551	264	121597	20.000	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.499	112	229680	76.078	ng	0.00
7) Phenol-d6	6.510	99	271395	76.195	ng	0.00
23) Nitrobenzene-d5	7.440	82	165688	48.037	ng	0.00
42) 2,4,6-Tribromophenol	10.710	330	64984	67.984	ng	0.00
45) 2-Fluorobiphenyl	9.234	172	343655	48.602	ng	-0.01
79) Terphenyl-d14	12.992	244	253616	35.887	ng	0.00
Target Compounds						
						Qvalue
2) 1,4-Dioxane	2.658	88	42976	35.590	ng	99
3) Pyridine	3.428	79	116438	38.464	ng	98
4) n-Nitrosodimethylamine	3.375	42	66717	42.619	ng	99
6) Aniline	6.534	93	179264	37.825	ng	# 79
8) 2-Chlorophenol	6.663	128	149463	45.895	ng	97
9) Benzaldehyde	6.428	77	101107	47.846	ng	99
10) Phenol	6.522	94	175999	44.453	ng	91
11) bis(2-Chloroethyl)ether	6.604	93	130834	46.236	ng	97
12) 1,3-Dichlorobenzene	6.816	146	165993	45.575	ng	98
13) 1,4-Dichlorobenzene	6.893	146	165127	44.937	ng	99
14) 1,2-Dichlorobenzene	7.046	146	159276	45.698	ng	99
15) Benzyl Alcohol	7.016	79	119258	46.315	ng	97
16) 2,2'-oxybis(1-Chloropr...	7.146	45	192861	42.421	ng	82
17) 2-Methylphenol	7.134	107	112586	45.620	ng	97
18) Hexachloroethane	7.387	117	58262	45.330	ng	95
19) n-Nitroso-di-n-propyla...	7.287	70	95192	45.952	ng	97
20) 3+4-Methylphenols	7.287	107	144372	46.919	ng	94
22) Acetophenone	7.281	105	197743	47.398	ng	100
24) Nitrobenzene	7.457	77	141387	45.290	ng	97
25) Isophorone	7.698	82	249559	45.104	ng	100
26) 2-Nitrophenol	7.775	139	80587	47.388	ng	99
27) 2,4-Dimethylphenol	7.810	122	133317m	45.258	ng	
28) bis(2-Chloroethoxy)met...	7.904	93	161967	46.045	ng	99
29) 2,4-Dichlorophenol	8.022	162	121873	45.629	ng	99
30) 1,2,4-Trichlorobenzene	8.098	180	135810	46.241	ng	99
31) Naphthalene	8.181	128	424217	45.809	ng	100
32) Benzoic acid	7.928	122	9682	6.449	ng	94
33) 4-Chloroaniline	8.228	127	125627	33.363	ng	99
34) Hexachlorobutadiene	8.293	225	83987	46.750	ng	99
35) Caprolactam	8.592	113	25548	36.249	ng	98
36) 4-Chloro-3-methylphenol	8.716	107	116125	43.747	ng	99
37) 2-Methylnaphthalene	8.875	142	260944	45.451	ng	100
38) 1-Methylnaphthalene	8.975	142	270353	45.490	ng	100
40) 1,2,4,5-Tetrachloroben...	9.040	216	135783	49.542	ng	99
41) Hexachlorocyclopentadiene	9.022	237	120264	77.323	ng	100
43) 2,4,6-Trichlorophenol	9.157	196	78809	44.127	ng	100

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF070825\
 Data File : BF143032.D
 Acq On : 08 Jul 2025 14:32
 Operator : RC/JU
 Sample : Q2514-08MS
 Misc :
 ALS Vial : 9 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 TP-78MS

Quant Time: Jul 08 14:55:15 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

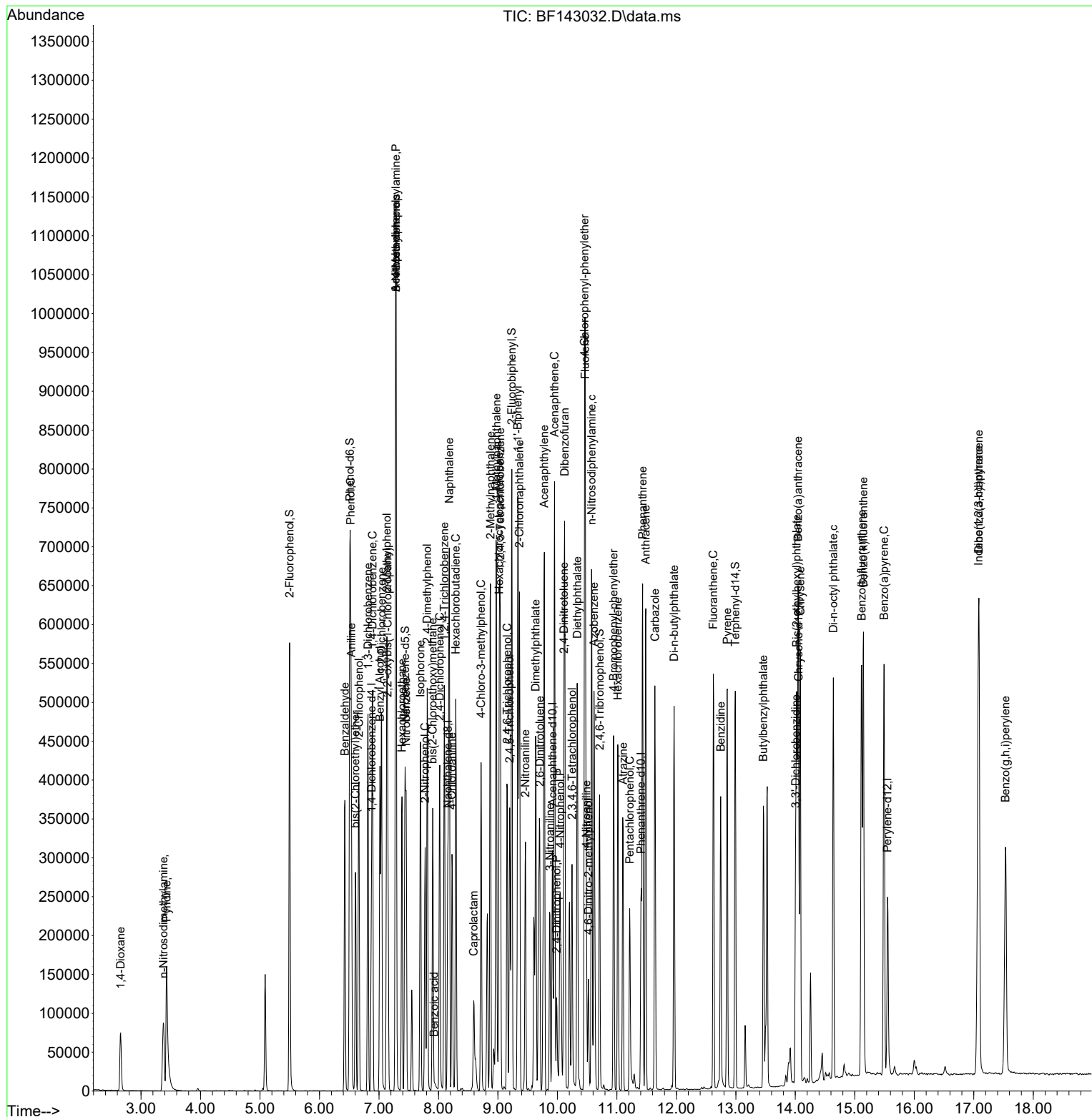
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
44) 2,4,5-Trichlorophenol	9.198	196	84304	44.842	ng	97
46) 1,1'-Biphenyl	9.334	154	355681	48.474	ng	99
47) 2-Chloronaphthalene	9.363	162	263826	47.913	ng	99
48) 2-Nitroaniline	9.463	65	72038	46.665	ng	95
49) Acenaphthylene	9.781	152	428870	47.313	ng	99
50) Dimethylphthalate	9.634	163	283559	47.161	ng	99
51) 2,6-Dinitrotoluene	9.704	165	61992	46.948	ng	96
52) Acenaphthene	9.951	154	259482m	46.918	ng	
53) 3-Nitroaniline	9.875	138	53645	36.900	ng	97
54) 2,4-Dinitrophenol	9.986	184	28030	42.395	ng	98
55) Dibenzofuran	10.122	168	370200	46.680	ng	99
56) 4-Nitrophenol	10.045	139	63033	63.332	ng	98
57) 2,4-Dinitrotoluene	10.110	165	79943	45.580	ng	96
58) Fluorene	10.469	166	287484	46.416	ng	100
59) 2,3,4,6-Tetrachlorophenol	10.245	232	56637	37.374	ng	95
60) Diethylphthalate	10.334	149	275934	46.806	ng	99
61) 4-Chlorophenyl-phenyle...	10.457	204	137990	46.689	ng	98
62) 4-Nitroaniline	10.486	138	57548	43.282	ng	98
63) Azobenzene	10.616	77	255869	48.562	ng	97
65) 4,6-Dinitro-2-methylph...	10.522	198	28955	35.114	ng	98
66) n-Nitrosodiphenylamine	10.575	169	238497	50.478	ng	99
67) 4-Bromophenyl-phenylether	10.945	248	79591	51.298	ng	96
68) Hexachlorobenzene	11.016	284	86383	50.106	ng	99
69) Atrazine	11.104	200	61204	50.163	ng	99
70) Pentachlorophenol	11.216	266	46634	54.284	ng	99
71) Phenanthrene	11.433	178	353850	47.915	ng	99
72) Anthracene	11.486	178	362667	47.884	ng	99
73) Carbazole	11.639	167	300163	45.925	ng	100
74) Di-n-butylphthalate	11.963	149	359829	52.847	ng	99
75) Fluoranthene	12.622	202	317461	45.296	ng	100
77) Benzidine	12.745	184	206056	56.166	ng	99
78) Pyrene	12.857	202	317116	34.647	ng	100
80) Butylbenzylphthalate	13.463	149	128249	48.305	ng	98
81) Benzo(a)anthracene	14.045	228	304878	46.282	ng	100
82) 3,3'-Dichlorobenzidine	14.004	252	79159	37.048	ng	98
83) Chrysene	14.086	228	290774	49.468	ng	100
84) Bis(2-ethylhexyl)phtha...	14.022	149	188029	49.223	ng	100
85) Di-n-octyl phthalate	14.639	149	360532	50.053	ng	99
87) Indeno(1,2,3-cd)pyrene	17.080	276	363735	39.272	ng	99
88) Benzo(b)fluoranthene	15.116	252	352967	50.165	ng	99
89) Benzo(k)fluoranthene	15.145	252	324249	49.257	ng	100
90) Benzo(a)pyrene	15.492	252	335231	49.318	ng	99
91) Dibenzo(a,h)anthracene	17.086	278	292642	38.887	ng	99
92) Benzo(g,h,i)perylene	17.533	276	274419	36.569	ng	97

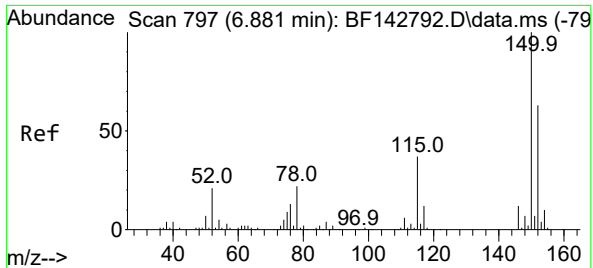
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Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF070825\
 Data File : BF143032.D
 Acq On : 08 Jul 2025 14:32
 Operator : RC/JU
 Sample : Q2514-08MS
 Misc :
 ALS Vial : 9 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 TP-78MS

Quant Time: Jul 08 14:55:15 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

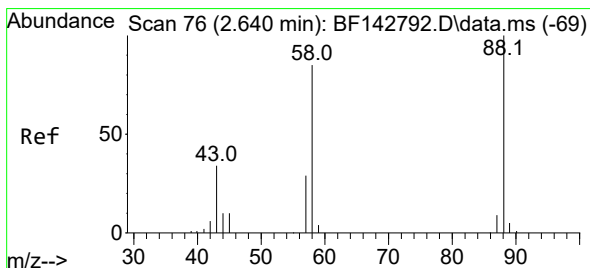
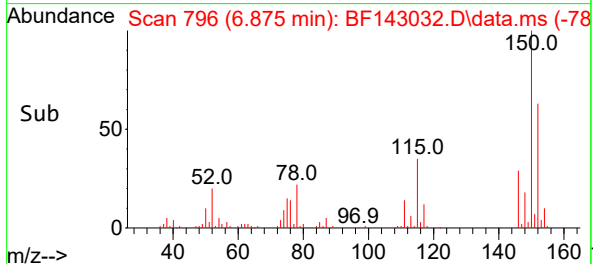
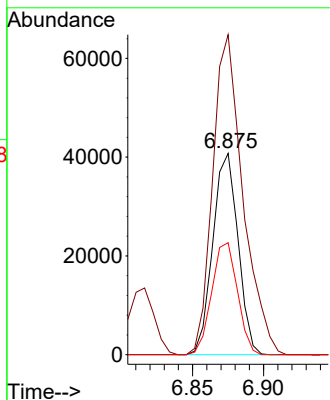
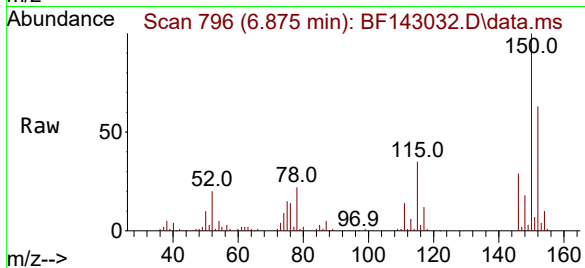




#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.875 min Scan# 79
Delta R.T. -0.006 min
Lab File: BF143032.D
Acq: 08 Jul 2025 14:32

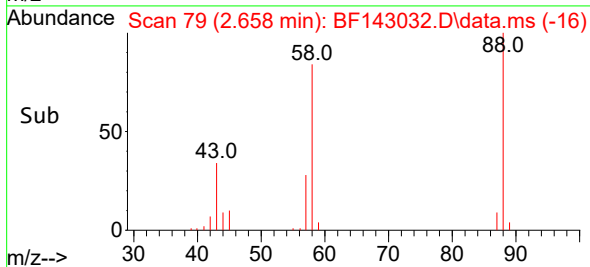
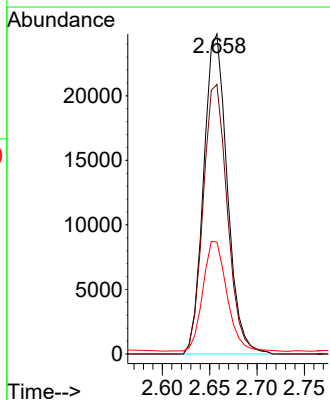
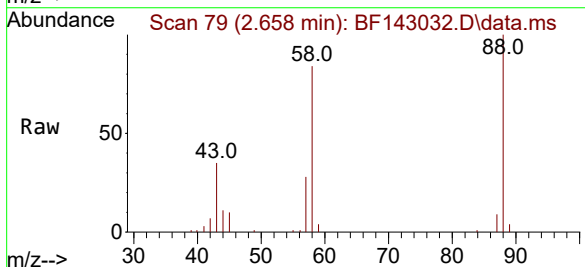
Instrument :
BNA_F
ClientSampleId :
TP-78MS

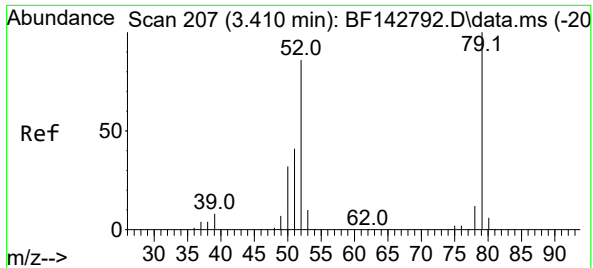
Tgt Ion:152 Resp: 50264
Ion Ratio Lower Upper
152 100
150 159.0 127.2 190.8
115 55.6 46.6 69.8



#2
1,4-Dioxane
Concen: 35.590 ng
RT: 2.658 min Scan# 79
Delta R.T. 0.018 min
Lab File: BF143032.D
Acq: 08 Jul 2025 14:32

Tgt Ion: 88 Resp: 42976
Ion Ratio Lower Upper
88 100
58 86.8 69.1 103.7
43 35.2 27.4 41.2

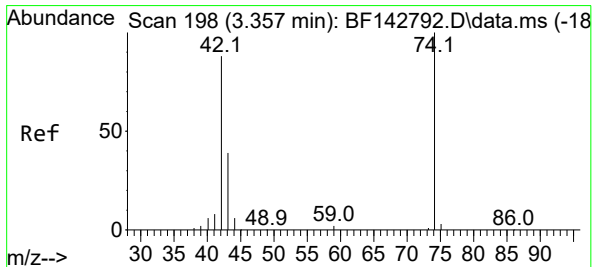
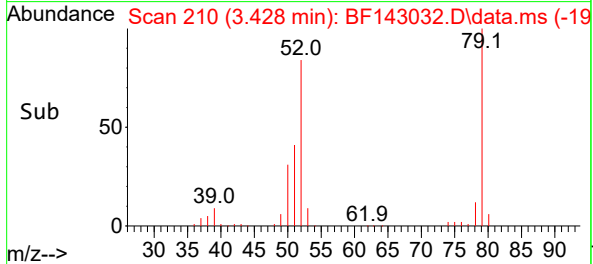
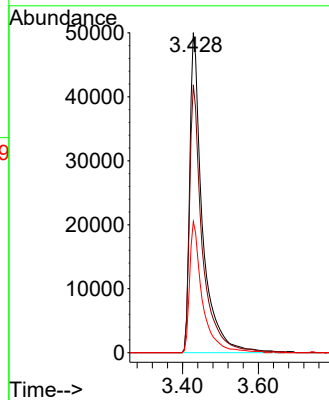
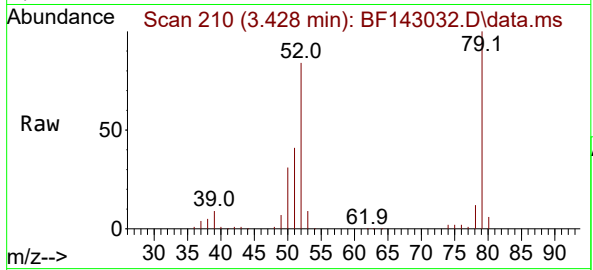




#3
Pyridine
Concen: 38.464 ng
RT: 3.428 min Scan# 210
Delta R.T. 0.018 min
Lab File: BF143032.D
Acq: 08 Jul 2025 14:32

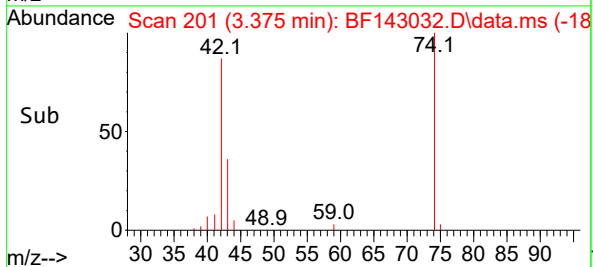
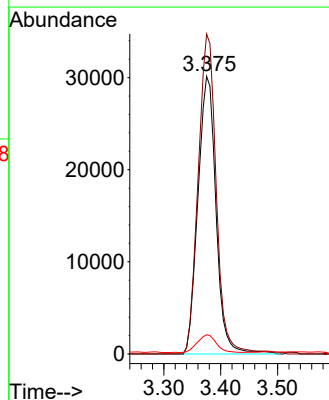
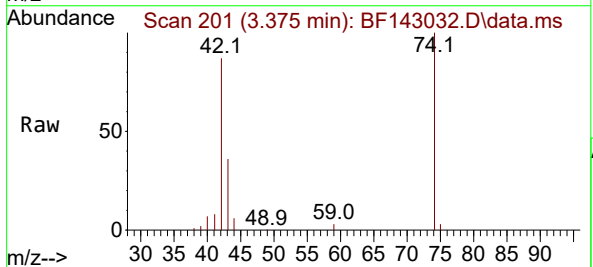
Instrument :
BNA_F
ClientSampleId :
TP-78MS

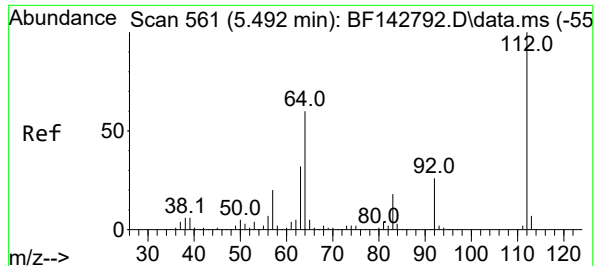
Tgt Ion: 79 Resp: 116438
Ion Ratio Lower Upper
79 100
52 83.7 69.2 103.8
51 40.9 33.2 49.8



#4
n-Nitrosodimethylamine
Concen: 42.619 ng
RT: 3.375 min Scan# 201
Delta R.T. 0.018 min
Lab File: BF143032.D
Acq: 08 Jul 2025 14:32

Tgt Ion: 42 Resp: 66717
Ion Ratio Lower Upper
42 100
74 115.2 90.9 136.3
44 6.9 5.8 8.6





#5

2-Fluorophenol

Concen: 76.078 ng

RT: 5.499 min Scan# 50

Delta R.T. 0.007 min

Lab File: BF143032.D

Acq: 08 Jul 2025 14:32

Instrument :

BNA_F

ClientSampleId :

TP-78MS

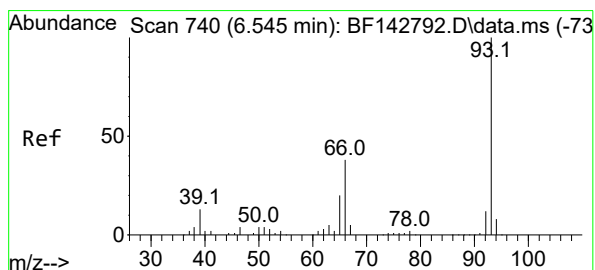
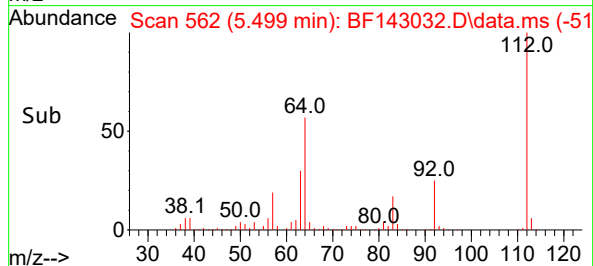
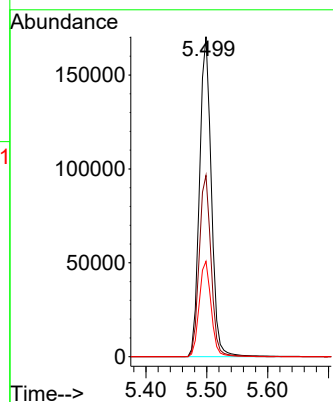
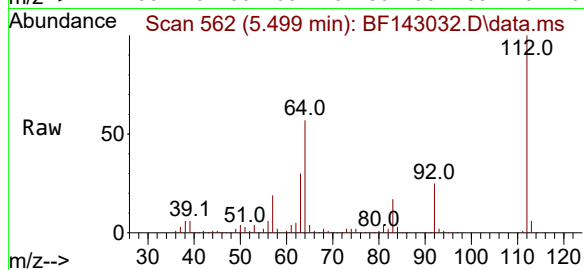
Tgt Ion:112 Resp: 229680

Ion Ratio Lower Upper

112 100

64 56.6 48.2 72.2

63 29.8 25.7 38.5



#6

Aniline

Concen: 37.825 ng

RT: 6.534 min Scan# 738

Delta R.T. -0.012 min

Lab File: BF143032.D

Acq: 08 Jul 2025 14:32

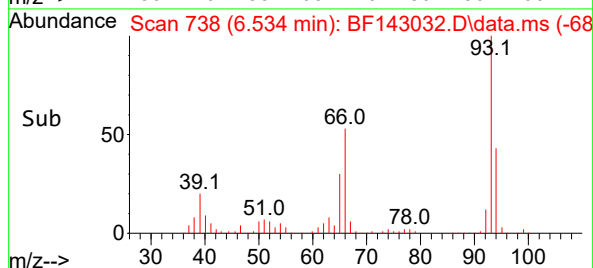
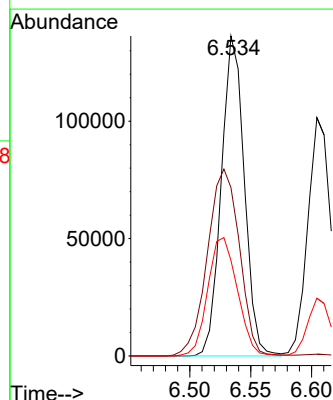
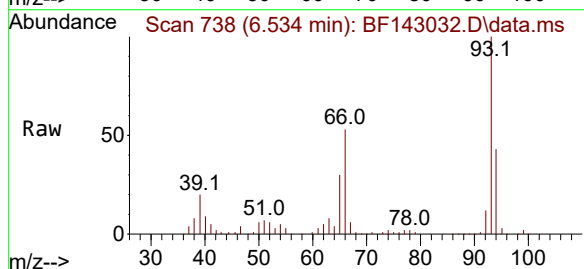
Tgt Ion: 93 Resp: 179264

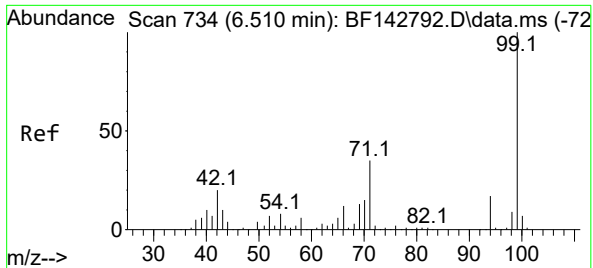
Ion Ratio Lower Upper

93 100

66 52.6 31.8 47.6#

65 29.9 16.2 24.2#

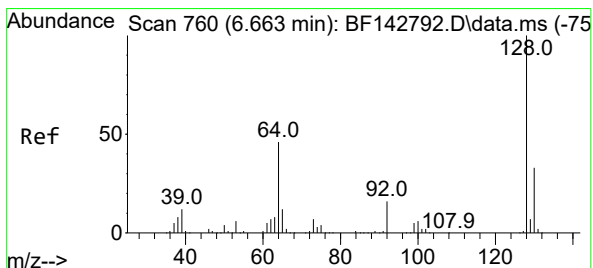
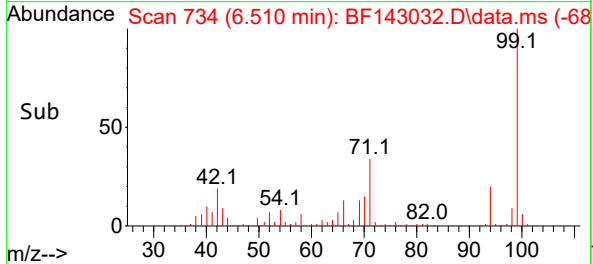
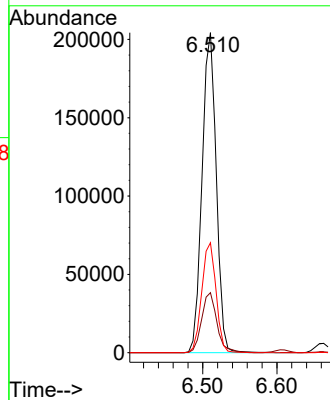
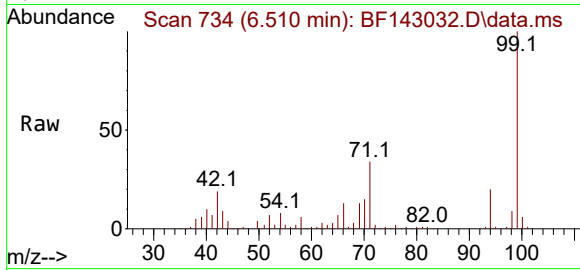




#7
Phenol-d6
Concen: 76.195 ng
RT: 6.510 min Scan# 71
Delta R.T. 0.000 min
Lab File: BF143032.D
Acq: 08 Jul 2025 14:32

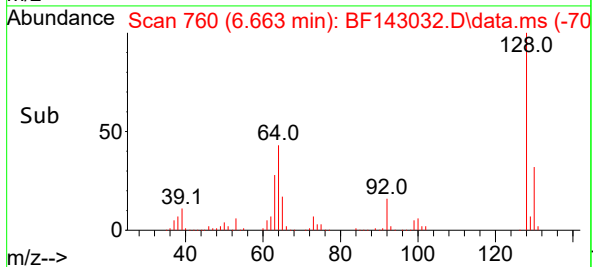
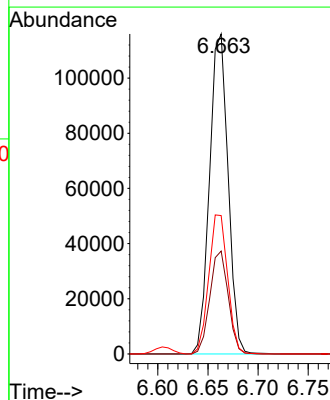
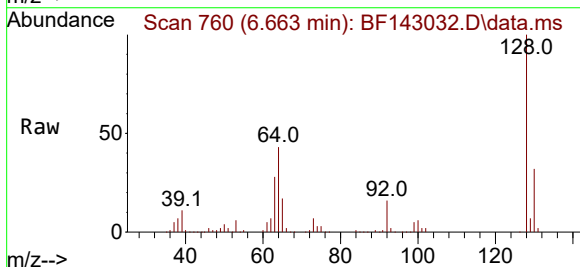
Instrument :
BNA_F
ClientSampleId :
TP-78MS

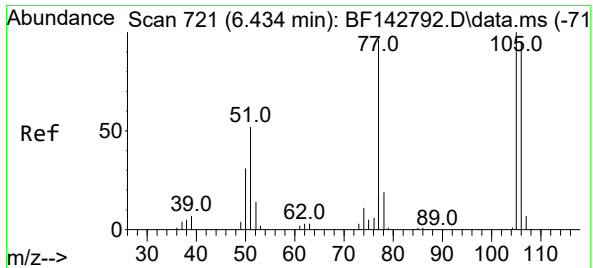
Tgt Ion: 99 Resp: 271395
Ion Ratio Lower Upper
99 100
42 18.8 15.9 23.9
71 34.4 27.8 41.8



#8
2-Chlorophenol
Concen: 45.895 ng
RT: 6.663 min Scan# 760
Delta R.T. 0.000 min
Lab File: BF143032.D
Acq: 08 Jul 2025 14:32

Tgt Ion: 128 Resp: 149463
Ion Ratio Lower Upper
128 100
130 32.2 12.7 52.7
64 43.2 26.5 66.5

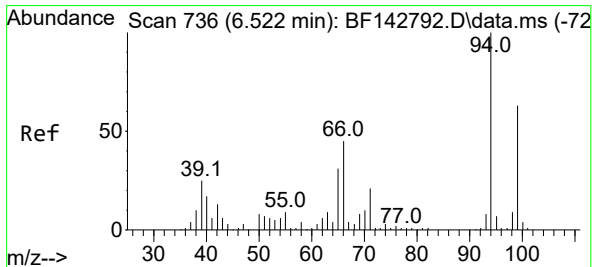
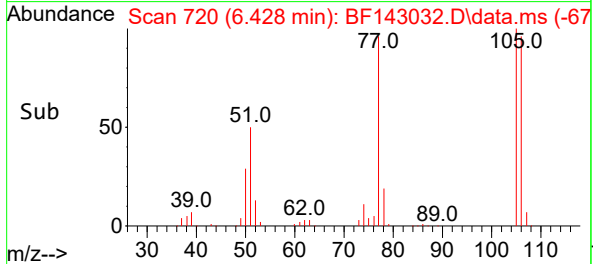
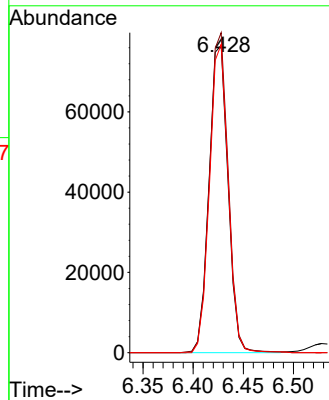
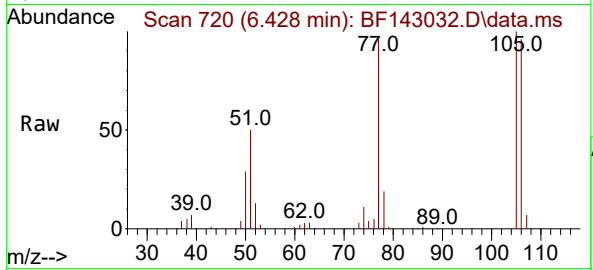




#9
Benzaldehyde
Concen: 47.846 ng
RT: 6.428 min Scan# 721
Delta R.T. -0.006 min
Lab File: BF143032.D
Acq: 08 Jul 2025 14:32

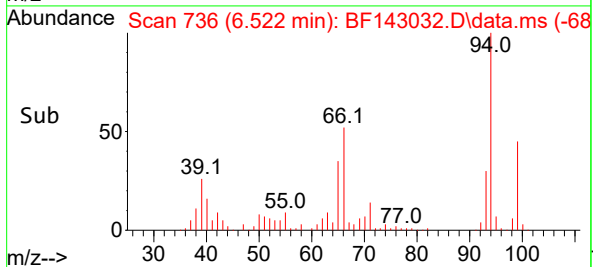
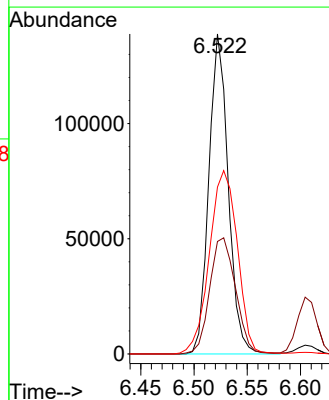
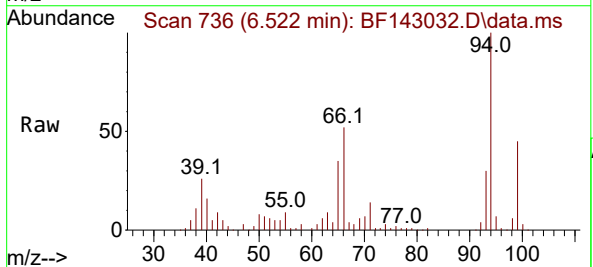
Instrument :
BNA_F
ClientSampleId :
TP-78MS

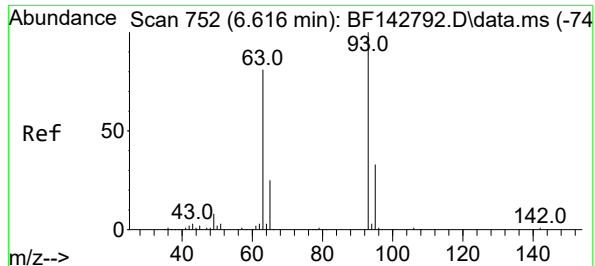
Tgt Ion: 77 Resp: 101107
Ion Ratio Lower Upper
77 100
105 104.1 83.8 123.8
106 100.4 78.7 118.7



#10
Phenol
Concen: 44.453 ng
RT: 6.522 min Scan# 736
Delta R.T. 0.000 min
Lab File: BF143032.D
Acq: 08 Jul 2025 14:32

Tgt Ion: 94 Resp: 175999
Ion Ratio Lower Upper
94 100
65 35.2 11.3 51.3
66 52.2 24.9 64.9





#11

bis(2-Chloroethyl)ether

Concen: 46.236 ng

RT: 6.604 min Scan# 750

Delta R.T. -0.012 min

Lab File: BF143032.D

Acq: 08 Jul 2025 14:32

Instrument :

BNA_F

ClientSampleId :

TP-78MS

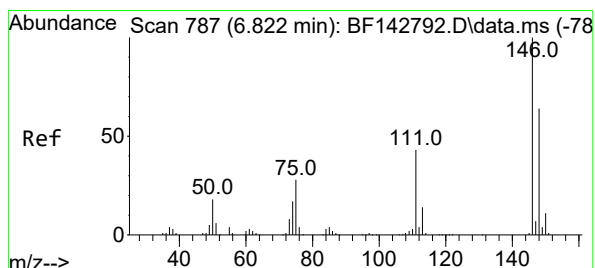
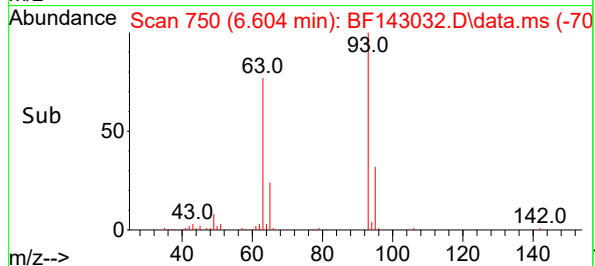
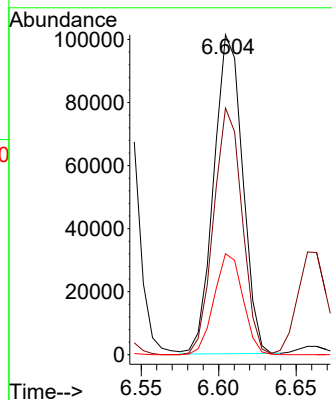
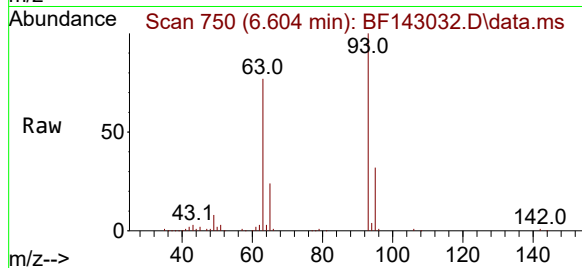
Tgt Ion: 93 Resp: 130834

Ion Ratio Lower Upper

93 100

63 77.1 60.3 100.3

95 31.6 12.5 52.5



#12

1,3-Dichlorobenzene

Concen: 45.575 ng

RT: 6.816 min Scan# 786

Delta R.T. -0.006 min

Lab File: BF143032.D

Acq: 08 Jul 2025 14:32

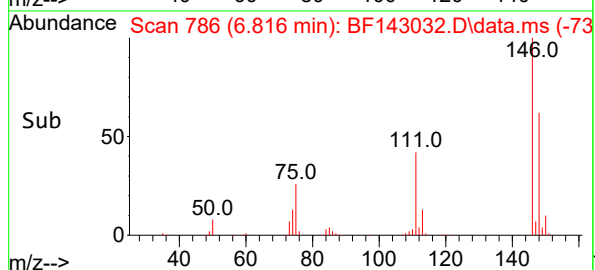
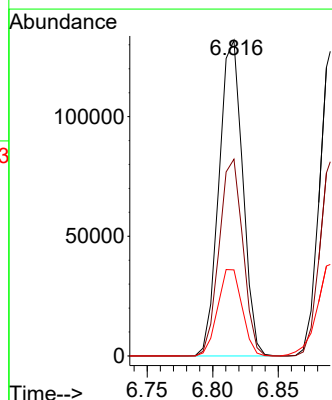
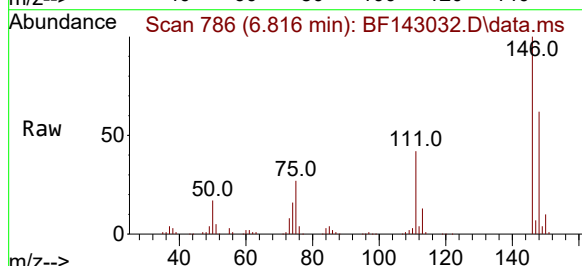
Tgt Ion:146 Resp: 165993

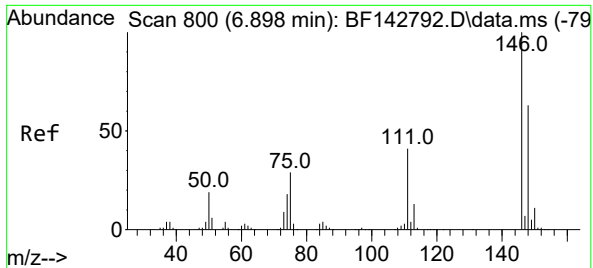
Ion Ratio Lower Upper

146 100

148 62.3 51.1 76.7

75 27.2 22.7 34.1





#13

1,4-Dichlorobenzene

Concen: 44.937 ng

RT: 6.893 min Scan# 79

Delta R.T. -0.006 min

Lab File: BF143032.D

Acq: 08 Jul 2025 14:32

Instrument :

BNA_F

ClientSampleId :

TP-78MS

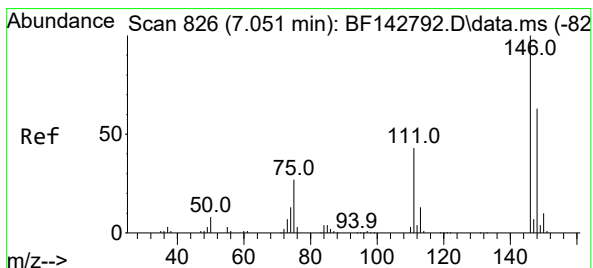
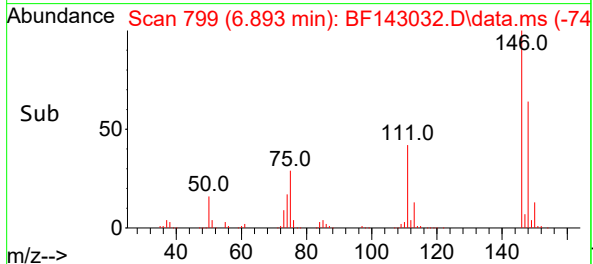
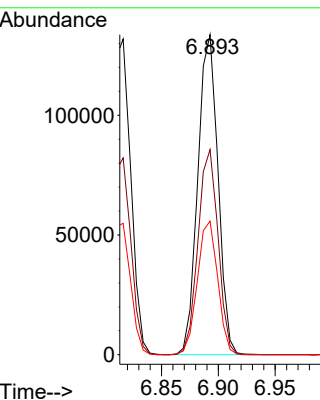
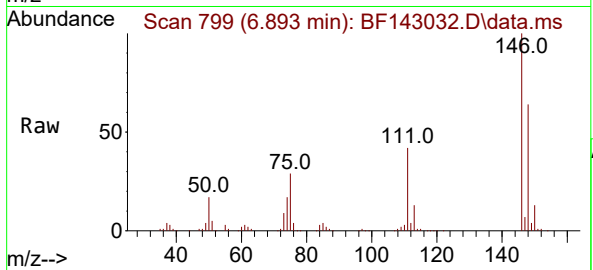
Tgt Ion:146 Resp: 165127

Ion Ratio Lower Upper

146 100

148 64.1 50.2 75.2

111 41.7 33.2 49.8



#14

1,2-Dichlorobenzene

Concen: 45.698 ng

RT: 7.046 min Scan# 825

Delta R.T. -0.006 min

Lab File: BF143032.D

Acq: 08 Jul 2025 14:32

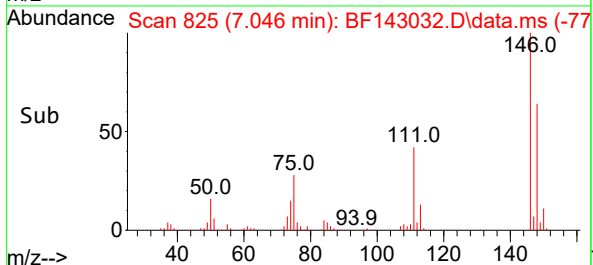
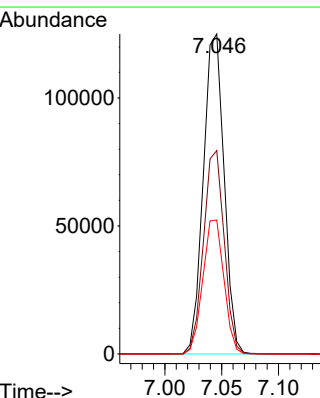
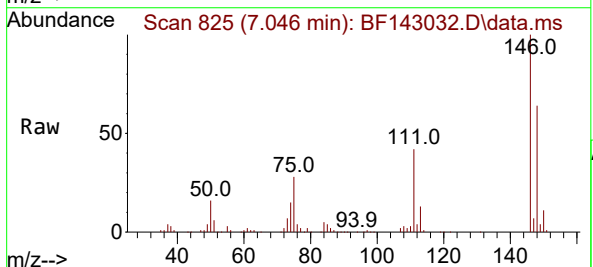
Tgt Ion:146 Resp: 159276

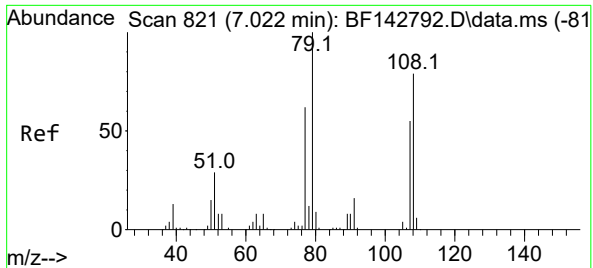
Ion Ratio Lower Upper

146 100

148 63.5 50.4 75.6

111 41.9 34.1 51.1





#15

Benzyl Alcohol

Concen: 46.315 ng

RT: 7.016 min Scan# 81

Delta R.T. -0.006 min

Lab File: BF143032.D

Acq: 08 Jul 2025 14:32

Instrument :

BNA_F

ClientSampleId :

TP-78MS

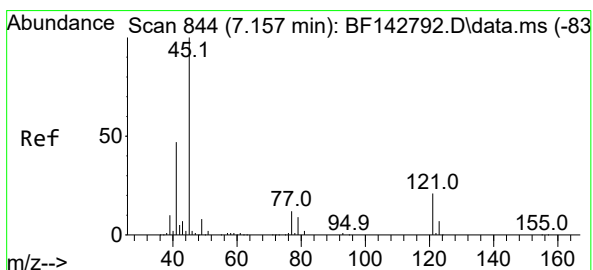
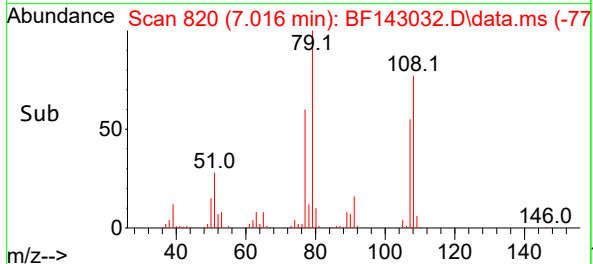
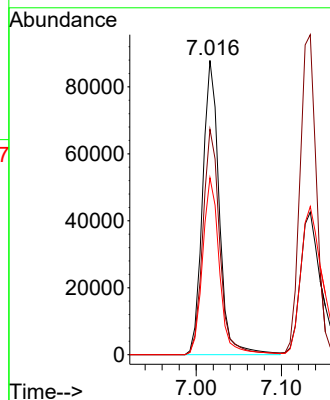
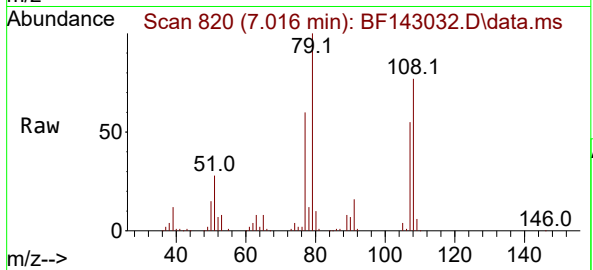
Tgt Ion: 79 Resp: 119258

Ion Ratio Lower Upper

79 100

108 76.6 63.4 95.0

77 60.1 49.5 74.3



#16

2,2'-oxybis(1-Chloropropane)

Concen: 42.421 ng

RT: 7.146 min Scan# 842

Delta R.T. -0.012 min

Lab File: BF143032.D

Acq: 08 Jul 2025 14:32

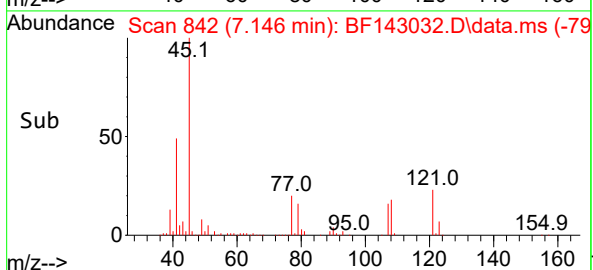
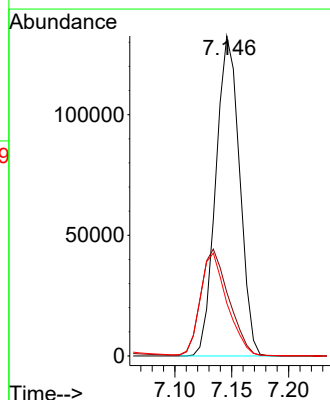
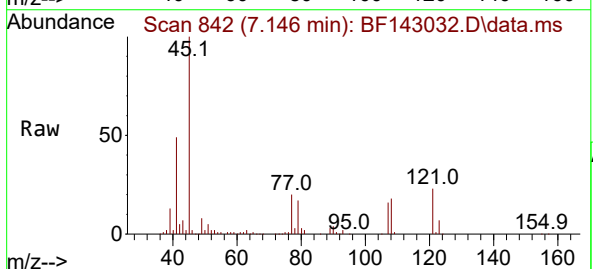
Tgt Ion: 45 Resp: 192861

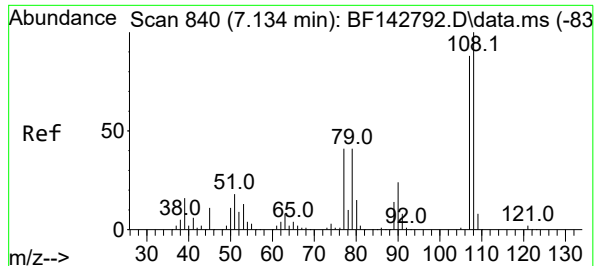
Ion Ratio Lower Upper

45 100

77 19.9 0.0 32.8

79 16.6 0.0 29.8

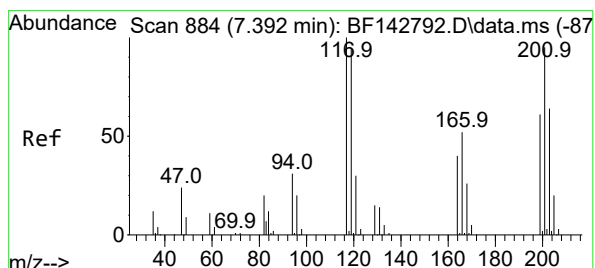
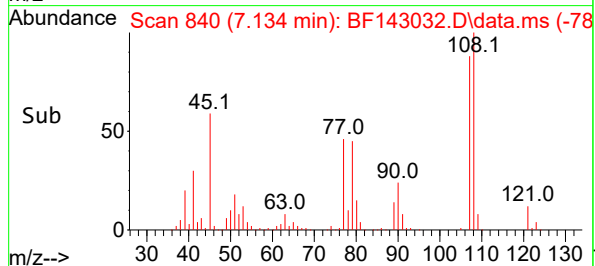
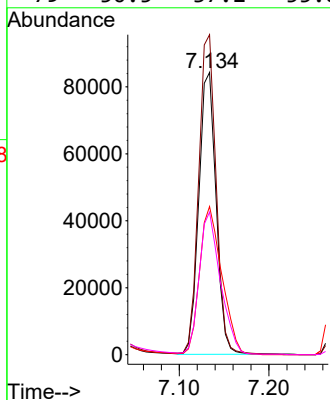
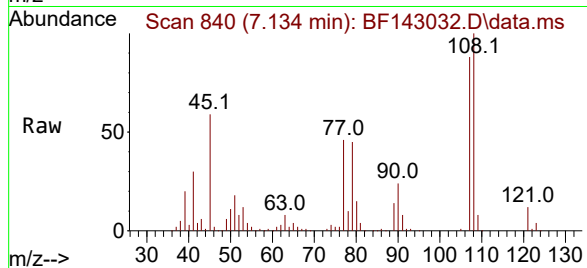




#17
2-Methylphenol
Concen: 45.620 ng
RT: 7.134 min Scan# 840
Delta R.T. 0.000 min
Lab File: BF143032.D
Acq: 08 Jul 2025 14:32

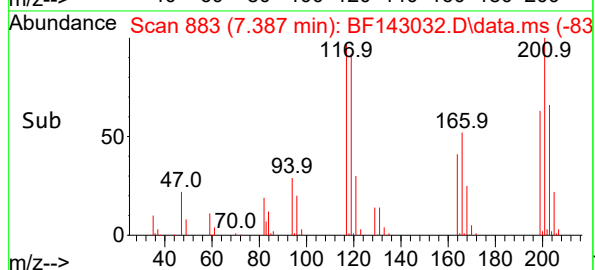
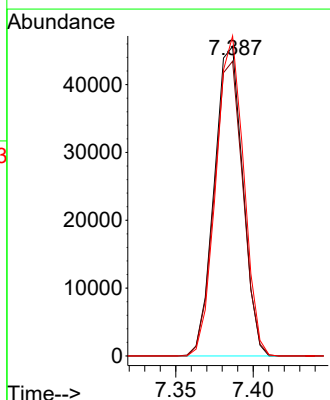
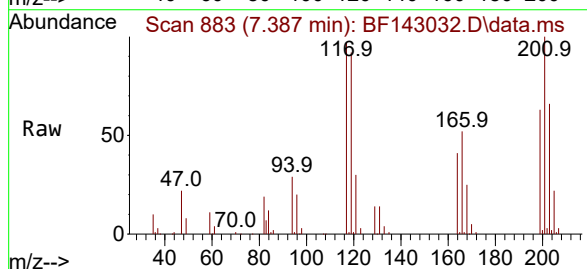
Instrument :
BNA_F
ClientSampleId :
TP-78MS

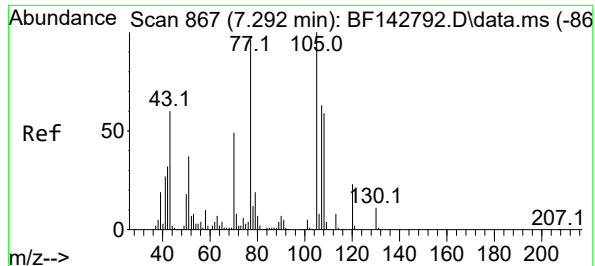
Tgt Ion:107 Resp: 112586
Ion Ratio Lower Upper
107 100
108 113.4 90.9 136.3
77 52.5 37.3 55.9
79 50.5 37.2 55.8



#18
Hexachloroethane
Concen: 45.330 ng
RT: 7.387 min Scan# 883
Delta R.T. -0.006 min
Lab File: BF143032.D
Acq: 08 Jul 2025 14:32

Tgt Ion:117 Resp: 58262
Ion Ratio Lower Upper
117 100
119 95.3 75.4 113.0
201 103.4 75.9 113.9





#19

n-Nitroso-di-n-propylamine

Concen: 45.952 ng

RT: 7.287 min Scan# 866

Delta R.T. -0.006 min

Lab File: BF143032.D

Acq: 08 Jul 2025 14:32

Instrument :

BNA_F

ClientSampleId :

TP-78MS

Tgt Ion: 70 Resp: 95192

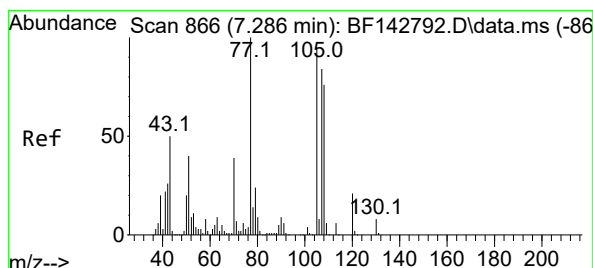
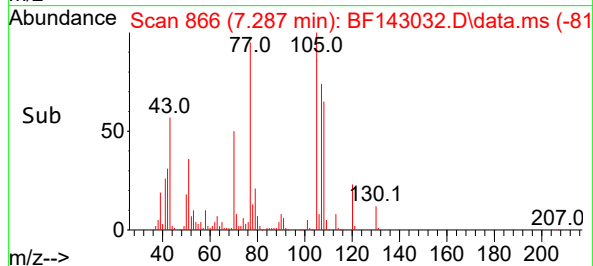
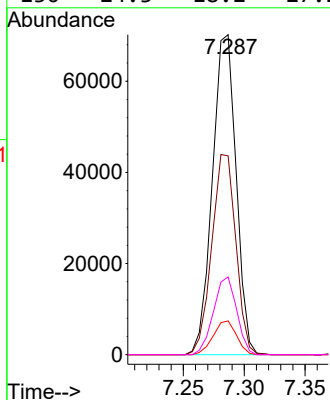
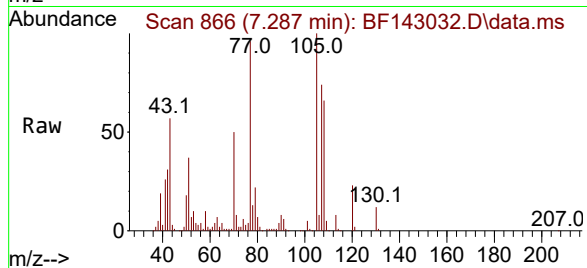
Ion Ratio Lower Upper

70 100

42 62.2 52.1 78.1

101 10.5 8.2 12.2

130 24.3 18.2 27.2



#20

3+4-Methylphenols

Concen: 46.919 ng

RT: 7.287 min Scan# 866

Delta R.T. 0.000 min

Lab File: BF143032.D

Acq: 08 Jul 2025 14:32

Tgt Ion:107 Resp: 144372

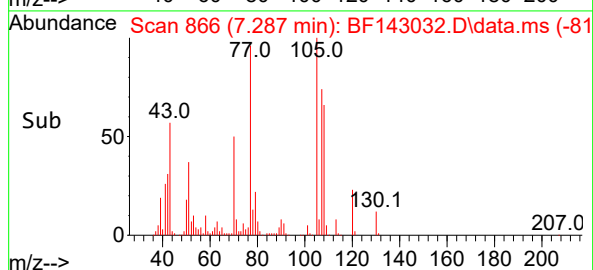
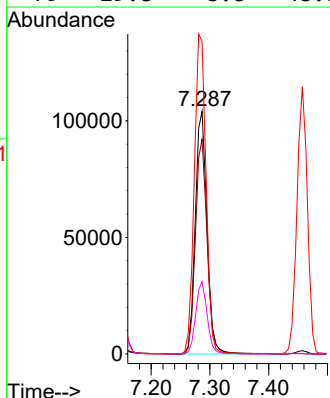
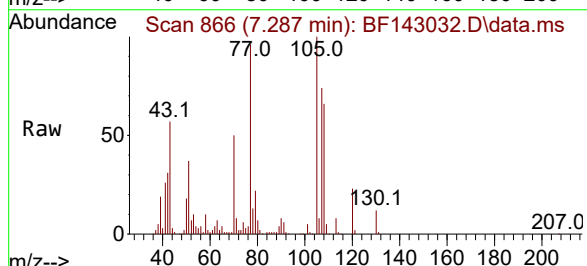
Ion Ratio Lower Upper

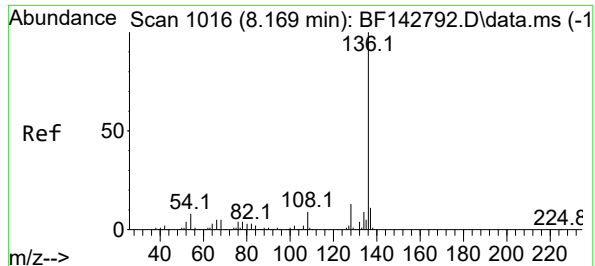
107 100

108 88.5 70.0 110.0

77 128.8 98.5 138.5

79 29.8 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: BF143032.D

Acq: 08 Jul 2025 14:32

Instrument :

BNA_F

ClientSampleId :

TP-78MS

Tgt Ion:136 Resp: 189189

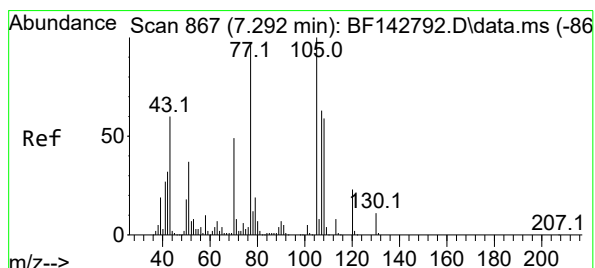
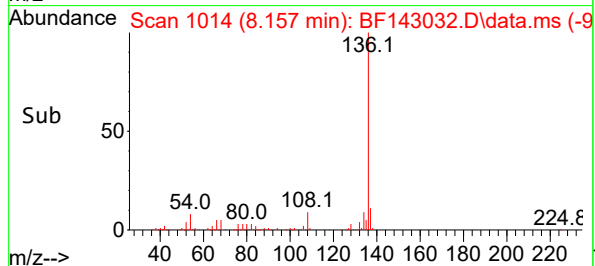
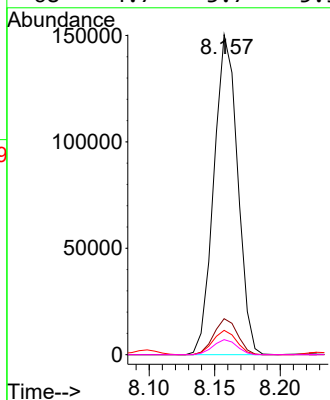
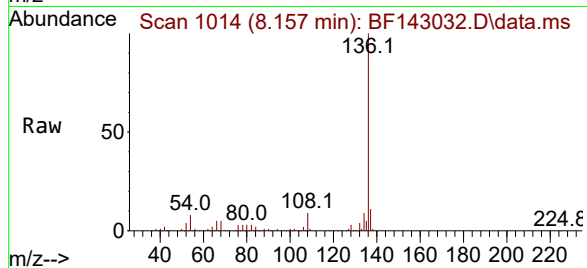
Ion Ratio Lower Upper

136 100

137 11.2 8.4 12.6

54 7.6 6.3 9.5

68 4.7 3.7 5.5



#22

Acetophenone

Concen: 47.398 ng

RT: 7.281 min Scan# 865

Delta R.T. -0.012 min

Lab File: BF143032.D

Acq: 08 Jul 2025 14:32

Tgt Ion:105 Resp: 197743

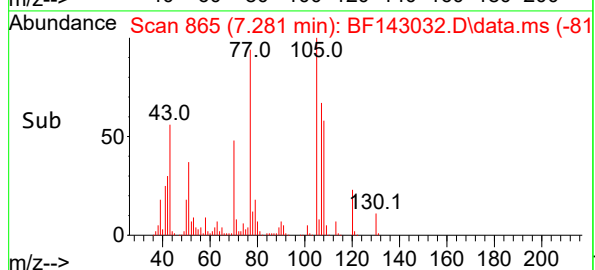
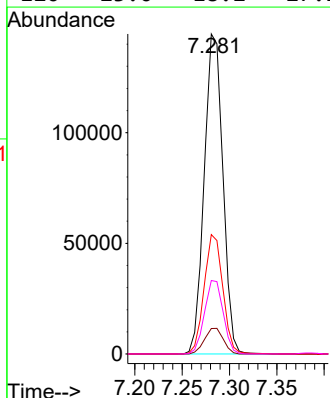
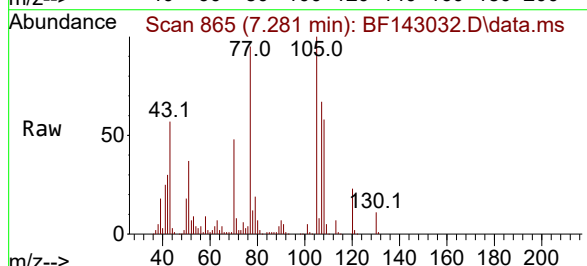
Ion Ratio Lower Upper

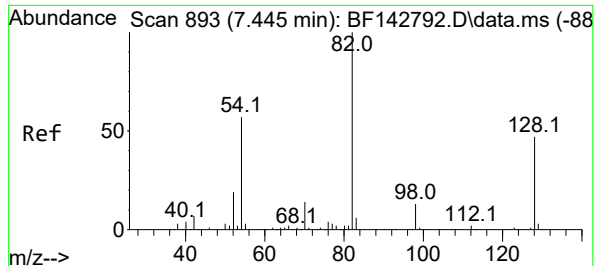
105 100

71 8.0 6.5 9.7

51 37.3 29.8 44.8

120 23.0 18.2 27.2





#23

Nitrobenzene-d5

Concen: 48.037 ng

RT: 7.440 min Scan# 893

Delta R.T. -0.005 min

Lab File: BF143032.D

Acq: 08 Jul 2025 14:32

Instrument :

BNA_F

ClientSampleId :

TP-78MS

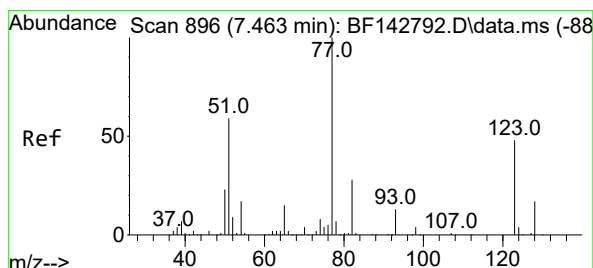
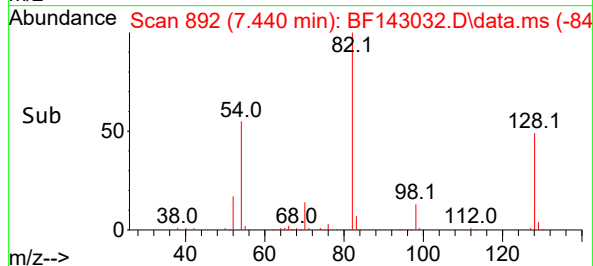
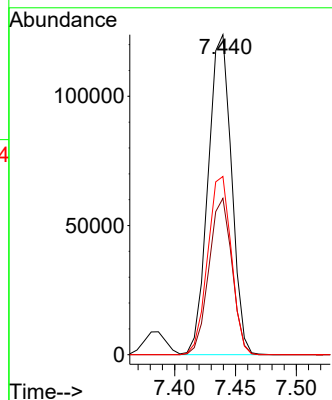
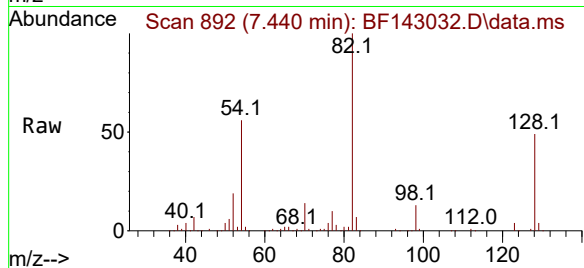
Tgt Ion: 82 Resp: 165688

Ion Ratio Lower Upper

82 100

128 48.9 37.7 56.5

54 55.7 45.7 68.5



#24

Nitrobenzene

Concen: 45.290 ng

RT: 7.457 min Scan# 895

Delta R.T. -0.006 min

Lab File: BF143032.D

Acq: 08 Jul 2025 14:32

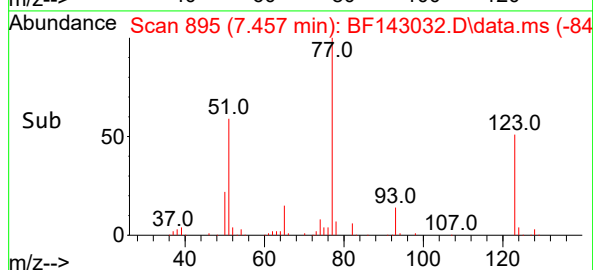
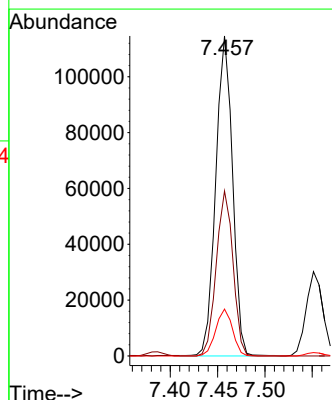
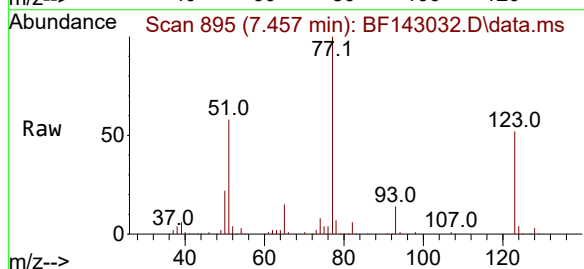
Tgt Ion: 77 Resp: 141387

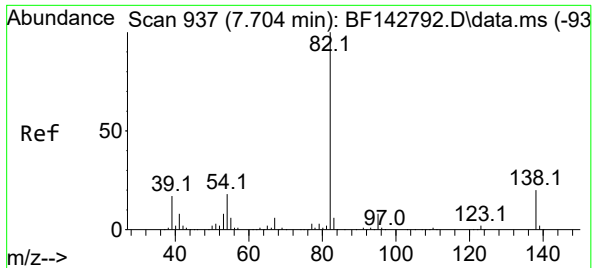
Ion Ratio Lower Upper

77 100

123 51.5 39.2 58.8

65 14.7 11.6 17.4

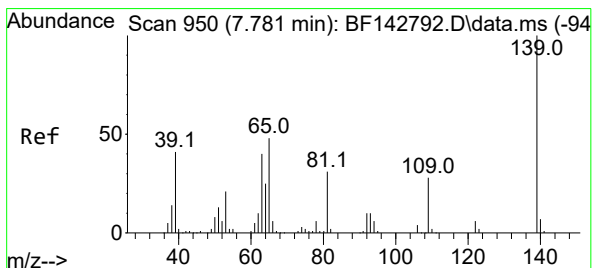
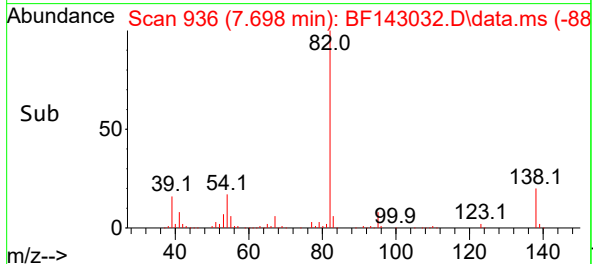
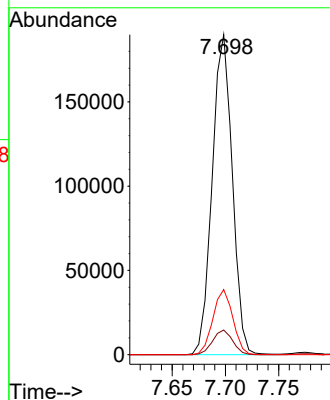
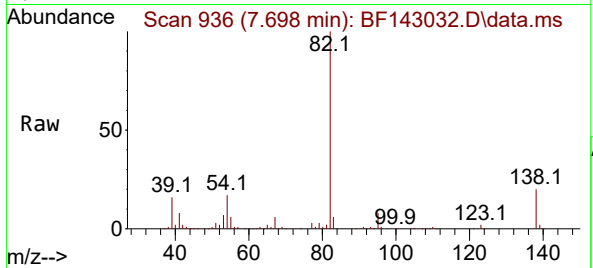




#25
Isophorone
Concen: 45.104 ng
RT: 7.698 min Scan# 91
Delta R.T. -0.006 min
Lab File: BF143032.D
Acq: 08 Jul 2025 14:32

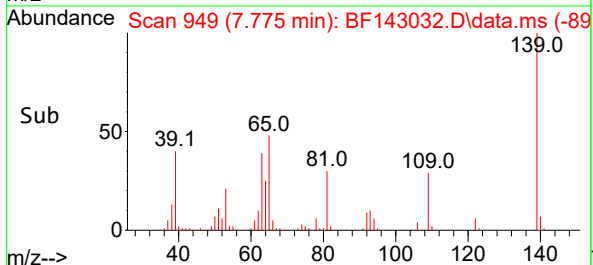
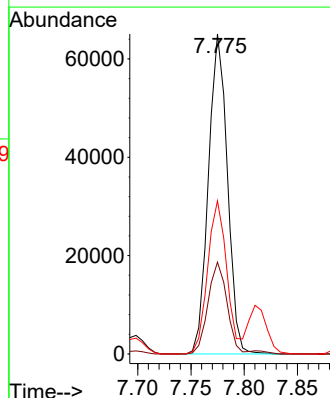
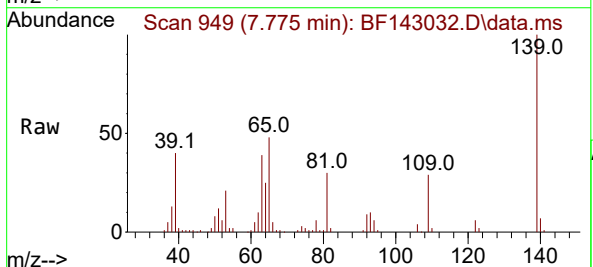
Instrument :
BNA_F
ClientSampleId :
TP-78MS

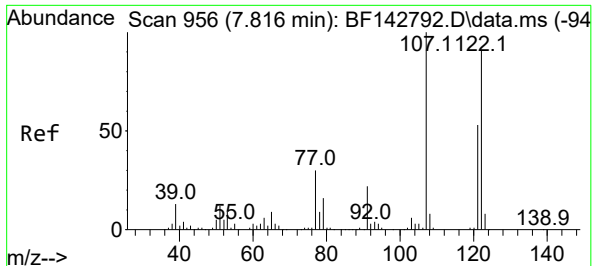
Tgt Ion: 82 Resp: 249559
Ion Ratio Lower Upper
82 100
95 7.7 6.2 9.2
138 20.3 16.2 24.4



#26
2-Nitrophenol
Concen: 47.388 ng
RT: 7.775 min Scan# 949
Delta R.T. -0.006 min
Lab File: BF143032.D
Acq: 08 Jul 2025 14:32

Tgt Ion:139 Resp: 80587
Ion Ratio Lower Upper
139 100
109 28.7 22.7 34.1
65 47.9 38.6 58.0





#27

2,4-Dimethylphenol

Concen: 45.258 ng m

RT: 7.810 min Scan# 91

Delta R.T. -0.006 min

Lab File: BF143032.D

Acq: 08 Jul 2025 14:32

Instrument :

BNA_F

ClientSampleId :

TP-78MS

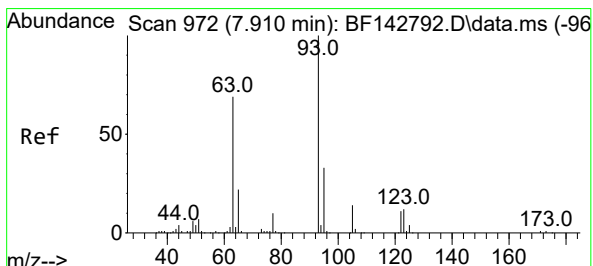
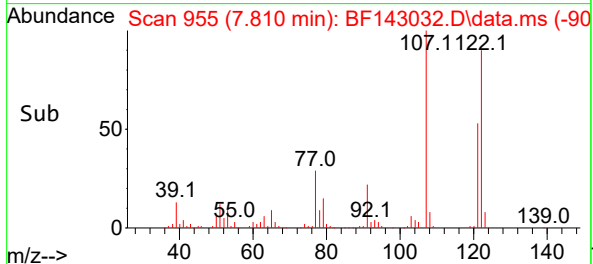
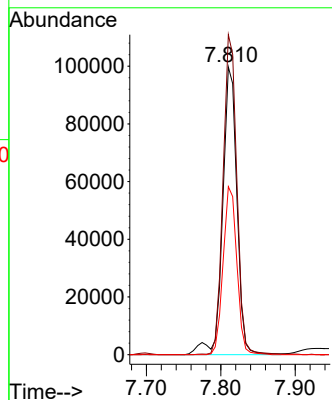
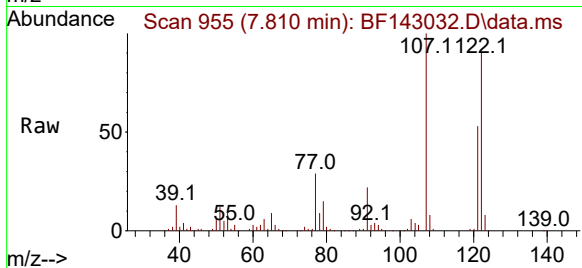
Tgt Ion:122 Resp: 133317

Ion Ratio Lower Upper

122 100

107 111.2 88.0 132.0

121 58.4 46.3 69.5



#28

bis(2-Chloroethoxy)methane

Concen: 46.045 ng

RT: 7.904 min Scan# 971

Delta R.T. -0.006 min

Lab File: BF143032.D

Acq: 08 Jul 2025 14:32

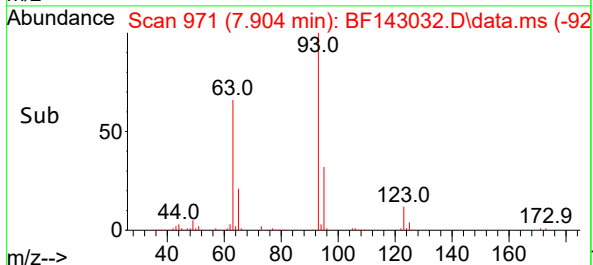
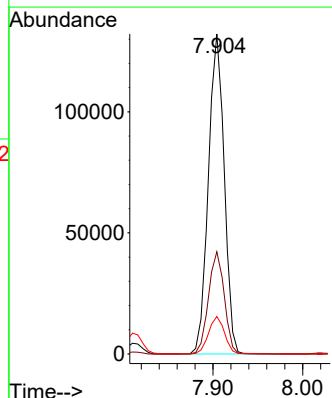
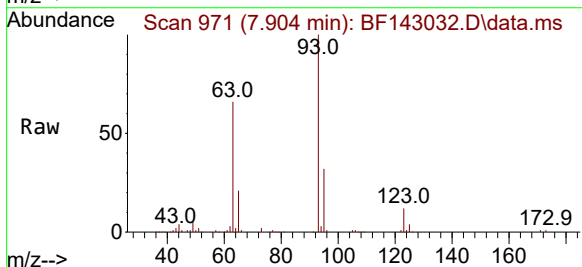
Tgt Ion: 93 Resp: 161967

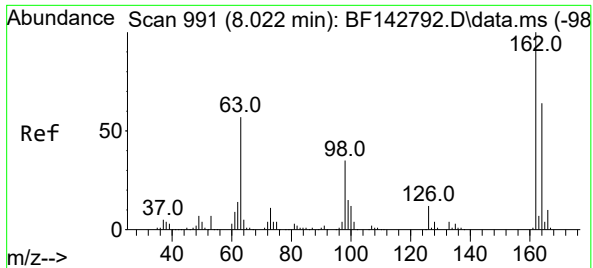
Ion Ratio Lower Upper

93 100

95 32.0 26.2 39.2

123 11.7 9.9 14.9





#29

2,4-Dichlorophenol

Concen: 45.629 ng

RT: 8.022 min Scan# 991

Delta R.T. 0.000 min

Lab File: BF143032.D

Acq: 08 Jul 2025 14:32

Instrument :

BNA_F

ClientSampleId :

TP-78MS

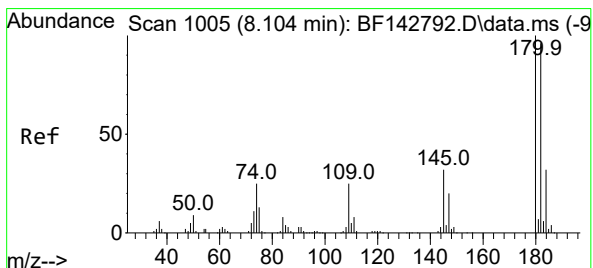
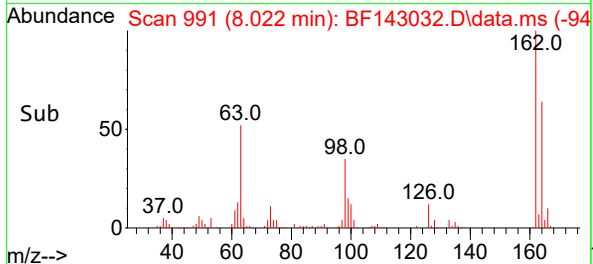
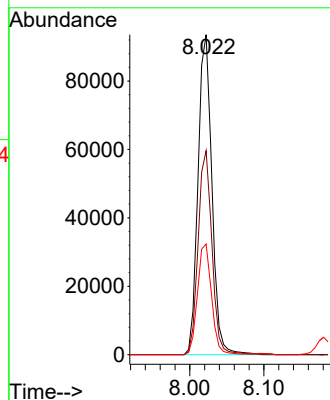
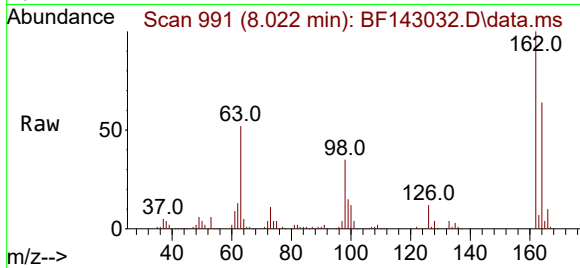
Tgt Ion:162 Resp: 121873

Ion Ratio Lower Upper

162 100

164 63.7 44.0 84.0

98 34.6 15.4 55.4



#30

1,2,4-Trichlorobenzene

Concen: 46.241 ng

RT: 8.098 min Scan# 1004

Delta R.T. -0.006 min

Lab File: BF143032.D

Acq: 08 Jul 2025 14:32

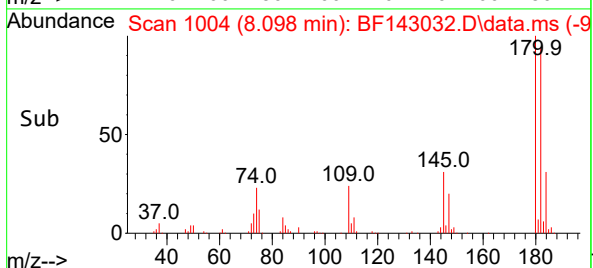
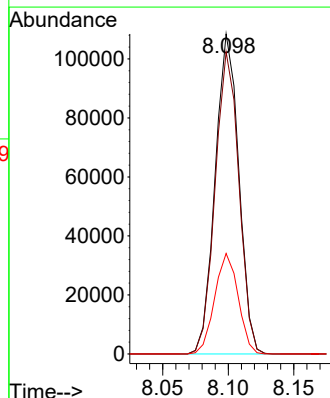
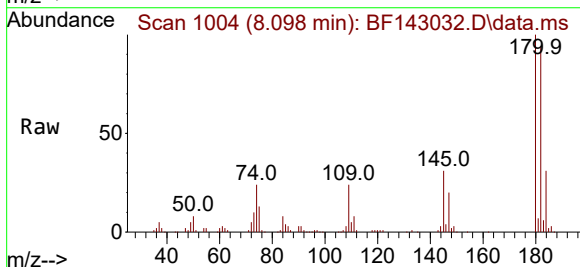
Tgt Ion:180 Resp: 135810

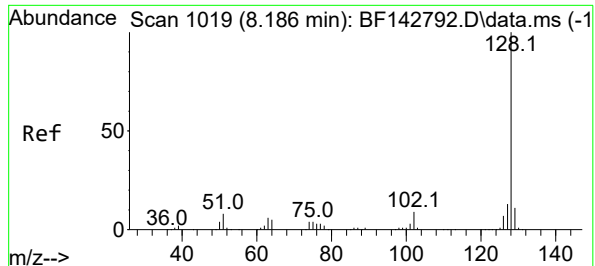
Ion Ratio Lower Upper

180 100

182 94.4 76.4 114.6

145 31.4 25.8 38.8





#31

Naphthalene

Concen: 45.809 ng

RT: 8.181 min Scan# 1019

Delta R.T. -0.006 min

Lab File: BF143032.D

Acq: 08 Jul 2025 14:32

Instrument :

BNA_F

ClientSampleId :

TP-78MS

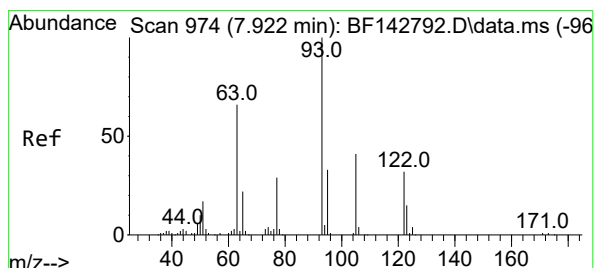
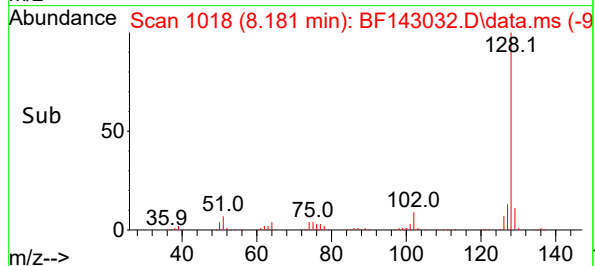
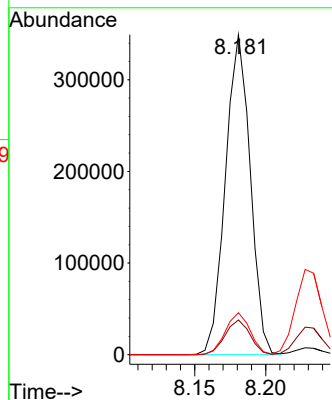
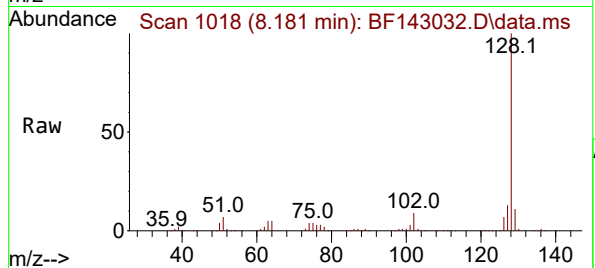
Tgt Ion:128 Resp: 424217

Ion Ratio Lower Upper

128 100

129 10.8 8.9 13.3

127 13.1 10.4 15.6



#32

Benzoic acid

Concen: 6.449 ng

RT: 7.928 min Scan# 975

Delta R.T. 0.006 min

Lab File: BF143032.D

Acq: 08 Jul 2025 14:32

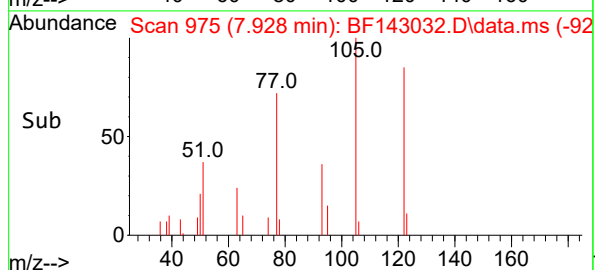
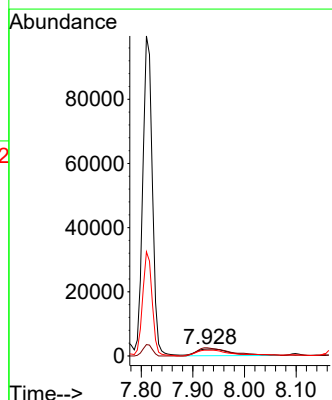
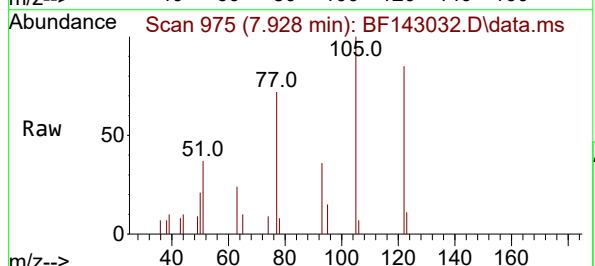
Tgt Ion:122 Resp: 9682

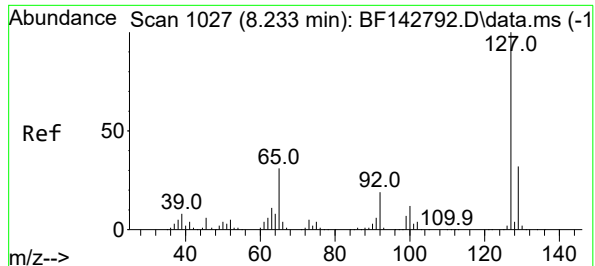
Ion Ratio Lower Upper

122 100

105 117.6 104.7 144.7

77 84.6 70.2 110.2





#33

4-Chloroaniline

Concen: 33.363 ng

RT: 8.228 min Scan# 1026

Delta R.T. -0.006 min

Lab File: BF143032.D

Acq: 08 Jul 2025 14:32

Instrument :

BNA_F

ClientSampleId :

TP-78MS

Tgt Ion:127 Resp: 125627

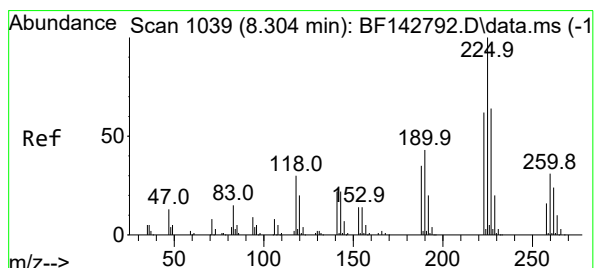
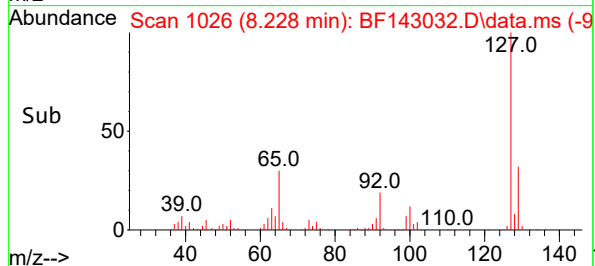
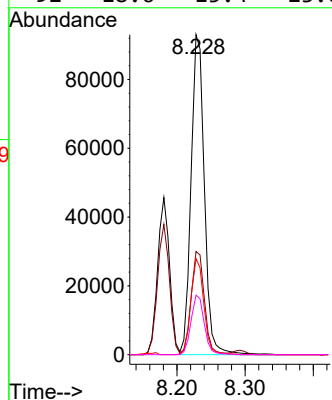
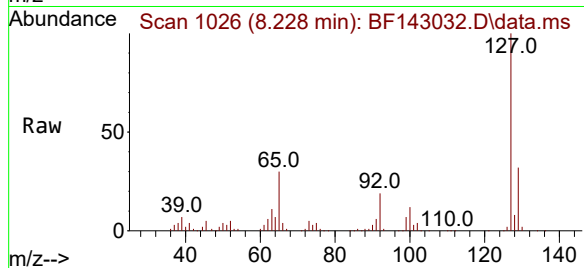
Ion Ratio Lower Upper

127 100

129 32.3 25.9 38.9

65 30.0 24.6 36.8

92 18.6 15.4 23.0



#34

Hexachlorobutadiene

Concen: 46.750 ng

RT: 8.293 min Scan# 1037

Delta R.T. -0.012 min

Lab File: BF143032.D

Acq: 08 Jul 2025 14:32

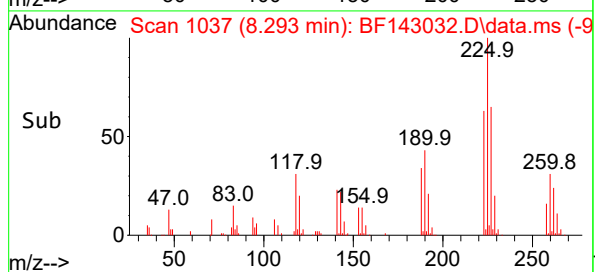
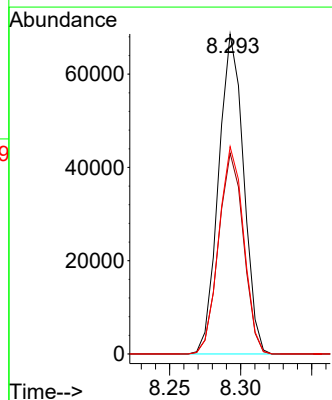
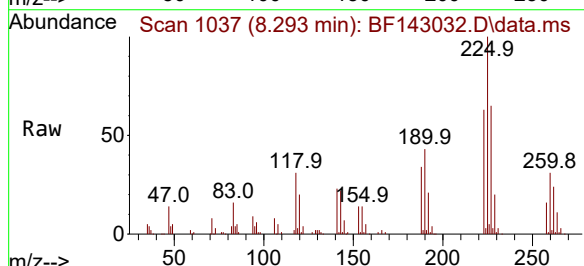
Tgt Ion:225 Resp: 83987

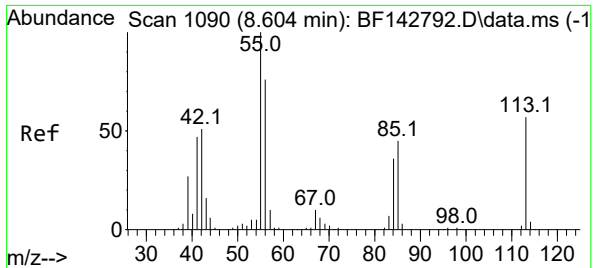
Ion Ratio Lower Upper

225 100

223 62.8 49.9 74.9

227 64.8 51.4 77.0

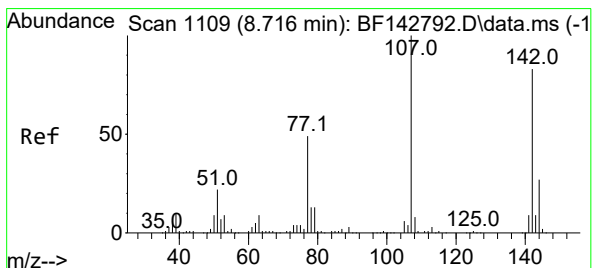
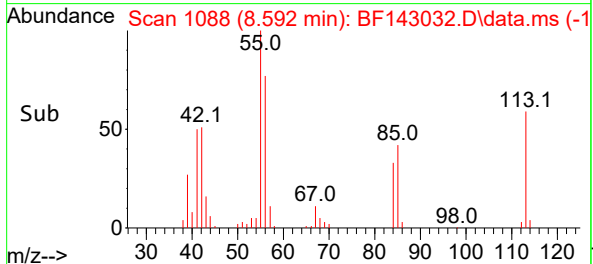
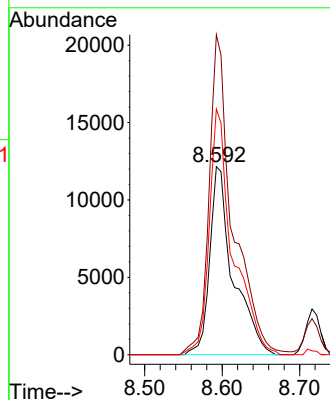
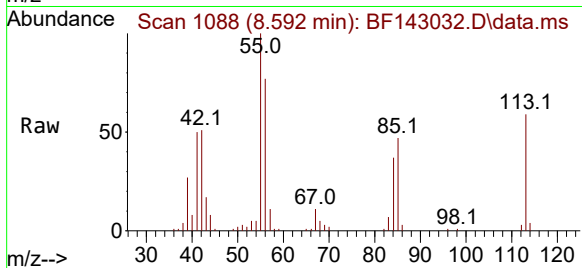




#35
 Caprolactam
 Concen: 36.249 ng
 RT: 8.592 min Scan# 1088
 Delta R.T. -0.012 min
 Lab File: BF143032.D
 Acq: 08 Jul 2025 14:32

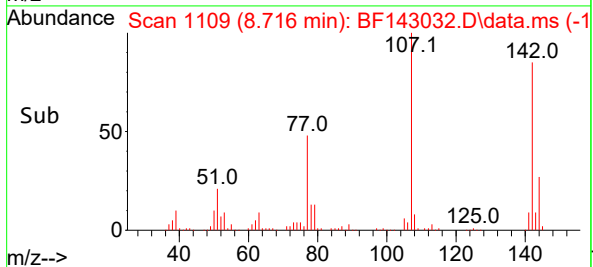
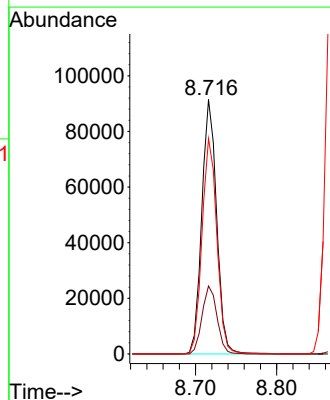
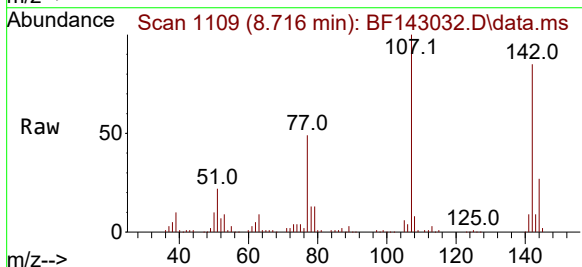
Instrument :
 BNA_F
 ClientSampleId :
 TP-78MS

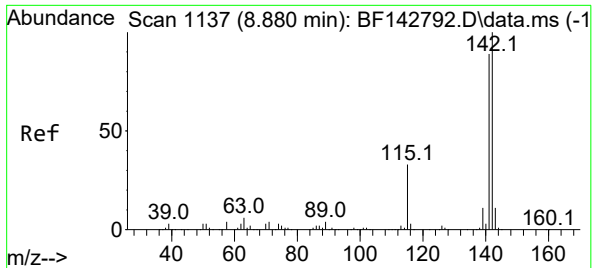
Tgt Ion:113 Resp: 25548
 Ion Ratio Lower Upper
 113 100
 55 170.2 154.4 194.4
 56 130.8 112.1 152.1



#36
 4-Chloro-3-methylphenol
 Concen: 43.747 ng
 RT: 8.716 min Scan# 1109
 Delta R.T. 0.000 min
 Lab File: BF143032.D
 Acq: 08 Jul 2025 14:32

Tgt Ion:107 Resp: 116125
 Ion Ratio Lower Upper
 107 100
 144 26.8 21.3 31.9
 142 84.7 66.6 100.0

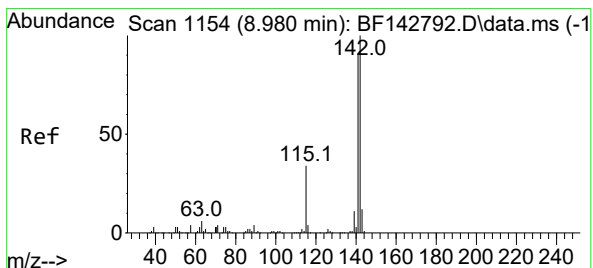
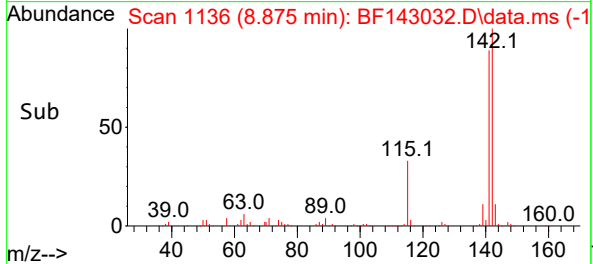
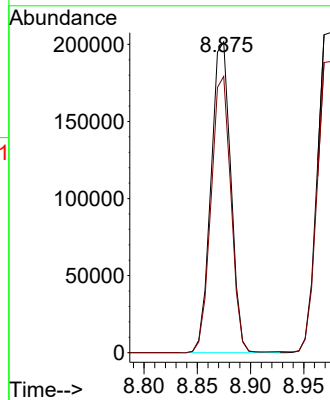
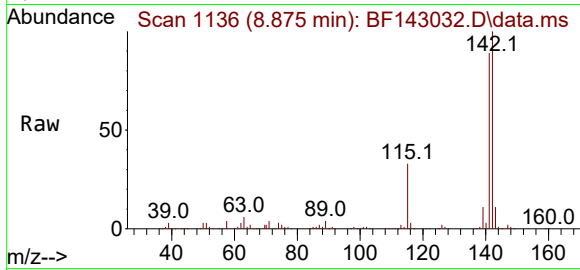




#37
2-Methylnaphthalene
Concen: 45.451 ng
RT: 8.875 min Scan# 1136
Delta R.T. -0.006 min
Lab File: BF143032.D
Acq: 08 Jul 2025 14:32

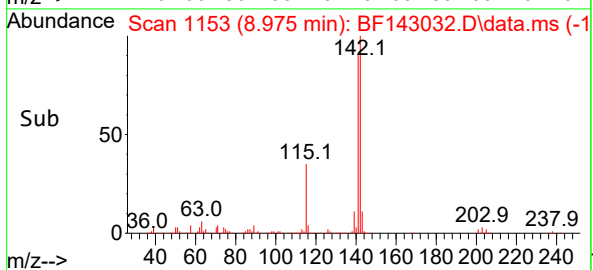
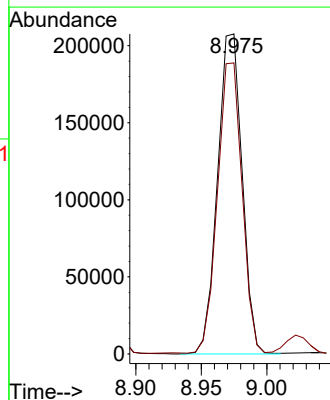
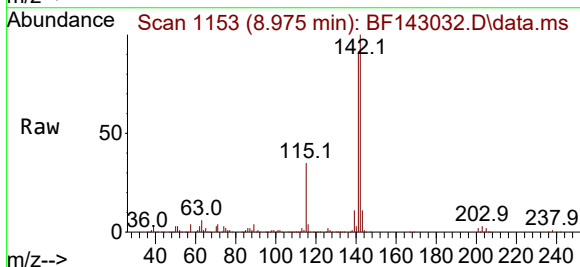
Instrument :
BNA_F
ClientSampleId :
TP-78MS

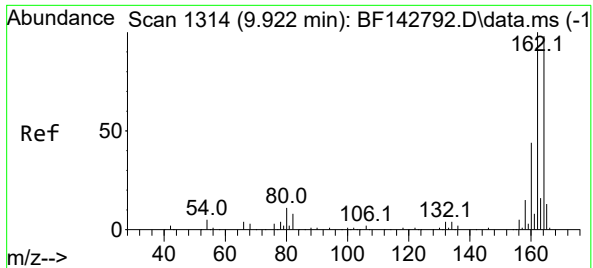
Tgt Ion:142 Resp: 260944
Ion Ratio Lower Upper
142 100
141 88.9 70.9 106.3



#38
1-Methylnaphthalene
Concen: 45.490 ng
RT: 8.975 min Scan# 1153
Delta R.T. -0.006 min
Lab File: BF143032.D
Acq: 08 Jul 2025 14:32

Tgt Ion:142 Resp: 270353
Ion Ratio Lower Upper
142 100
141 90.9 73.0 109.4





#39

Acenaphthene-d10

Concen: 20.000 ng

RT: 9.916 min Scan# 1113

Delta R.T. -0.006 min

Lab File: BF143032.D

Acq: 08 Jul 2025 14:32

Instrument :

BNA_F

ClientSampleId :

TP-78MS

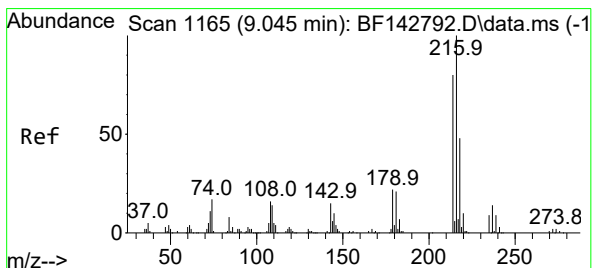
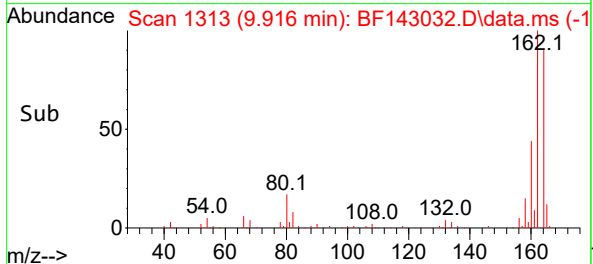
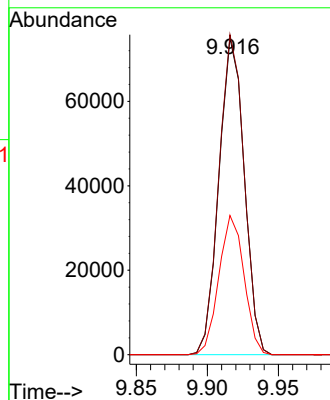
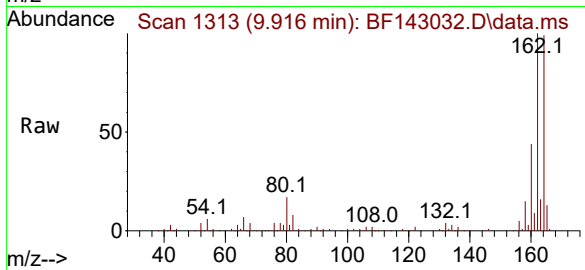
Tgt Ion:164 Resp: 92887

Ion Ratio Lower Upper

164 100

162 101.1 81.8 122.8

160 44.0 36.0 54.0



#40

1,2,4,5-Tetrachlorobenzene

Concen: 49.542 ng

RT: 9.040 min Scan# 1164

Delta R.T. -0.006 min

Lab File: BF143032.D

Acq: 08 Jul 2025 14:32

Tgt Ion:216 Resp: 135783

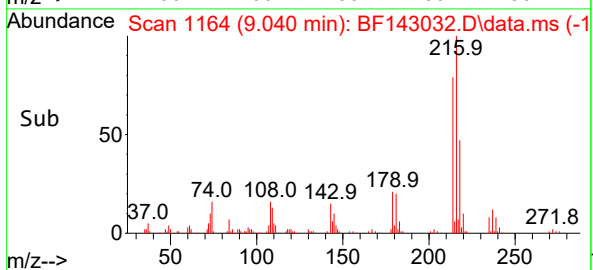
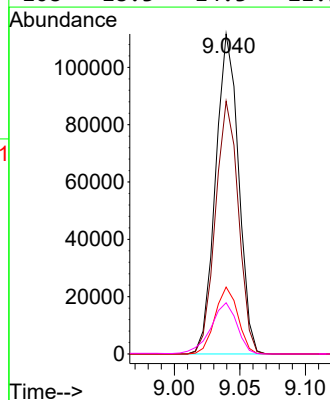
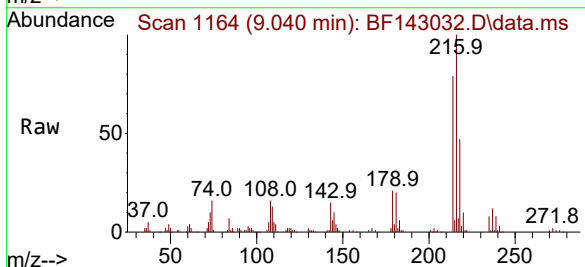
Ion Ratio Lower Upper

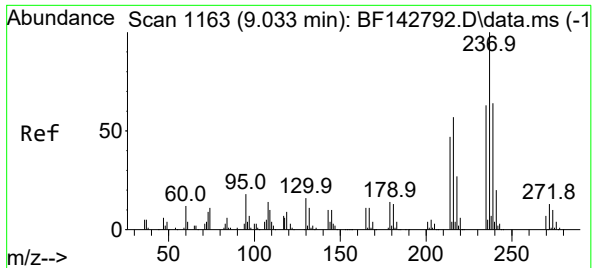
216 100

214 78.9 63.7 95.5

179 20.8 17.6 26.4

108 18.3 14.3 21.5





#41

Hexachlorocyclopentadiene

Concen: 77.323 ng

RT: 9.022 min Scan# 1161

Delta R.T. -0.012 min

Lab File: BF143032.D

Acq: 08 Jul 2025 14:32

Instrument :

BNA_F

ClientSampleId :

TP-78MS

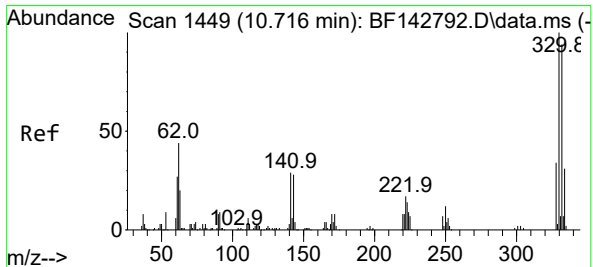
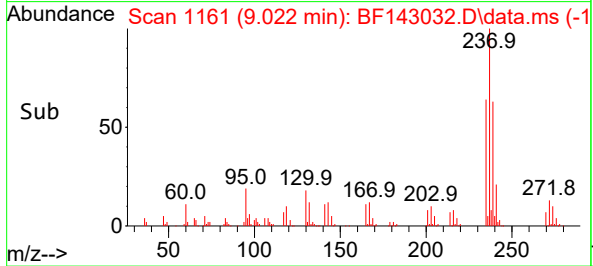
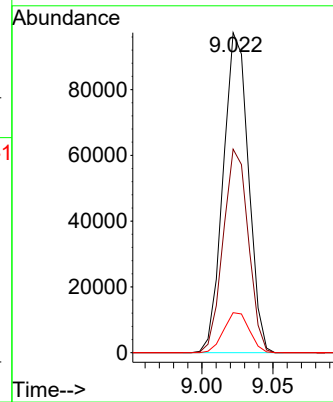
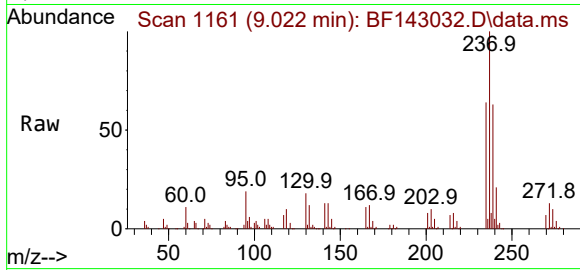
Tgt Ion:237 Resp: 120264

Ion Ratio Lower Upper

237 100

235 63.6 43.4 83.4

272 12.5 0.0 32.7



#42

2,4,6-Tribromophenol

Concen: 67.984 ng

RT: 10.710 min Scan# 1448

Delta R.T. -0.006 min

Lab File: BF143032.D

Acq: 08 Jul 2025 14:32

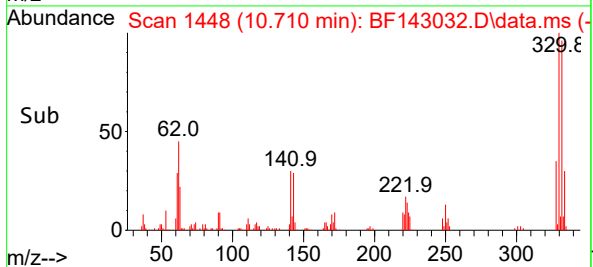
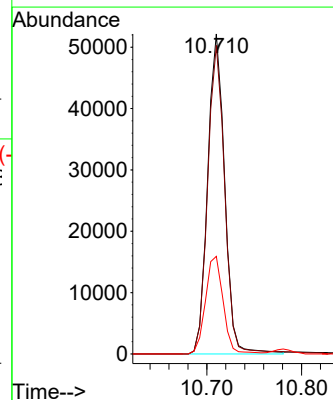
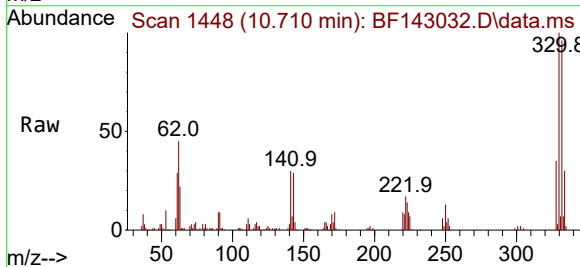
Tgt Ion:330 Resp: 64984

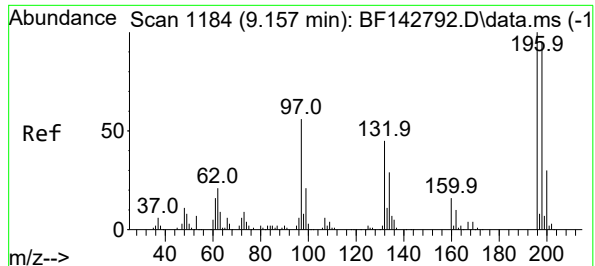
Ion Ratio Lower Upper

330 100

332 97.6 75.0 112.6

141 31.8 25.3 37.9





#43

2,4,6-Trichlorophenol

Concen: 44.127 ng

RT: 9.157 min Scan# 1184

Delta R.T. 0.000 min

Lab File: BF143032.D

Acq: 08 Jul 2025 14:32

Instrument :

BNA_F

ClientSampleId :

TP-78MS

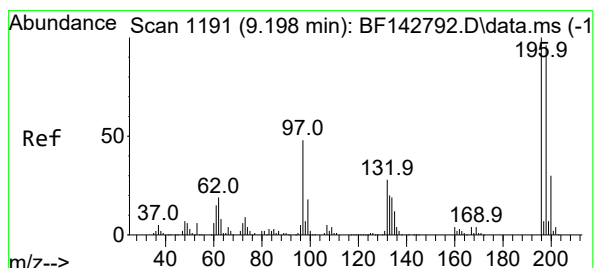
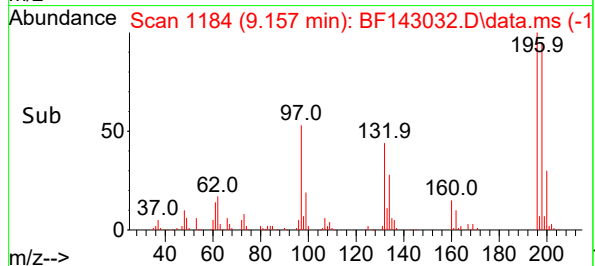
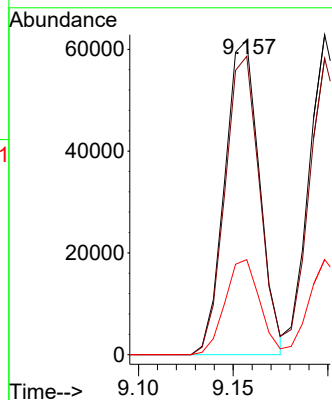
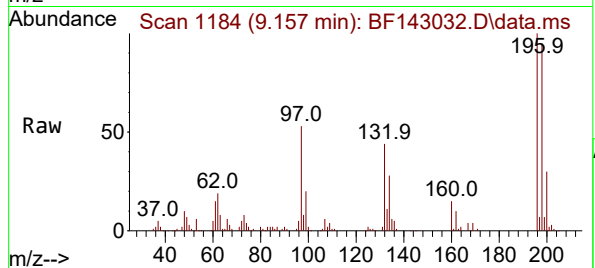
Tgt Ion:196 Resp: 78809

Ion Ratio Lower Upper

196 100

198 94.9 76.2 114.2

200 30.3 24.1 36.1



#44

2,4,5-Trichlorophenol

Concen: 44.842 ng

RT: 9.198 min Scan# 1191

Delta R.T. 0.000 min

Lab File: BF143032.D

Acq: 08 Jul 2025 14:32

Tgt Ion:196 Resp: 84304

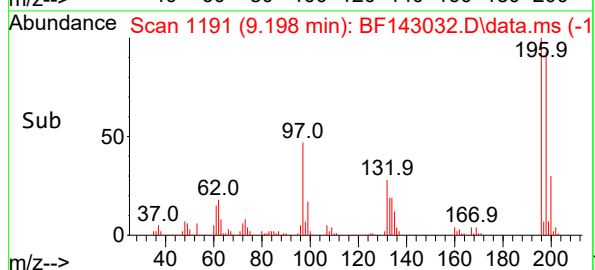
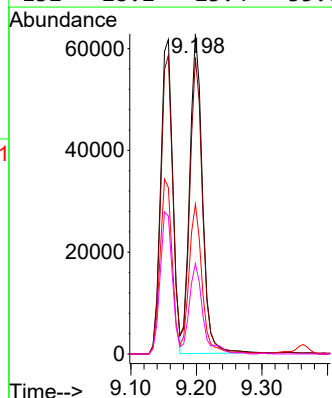
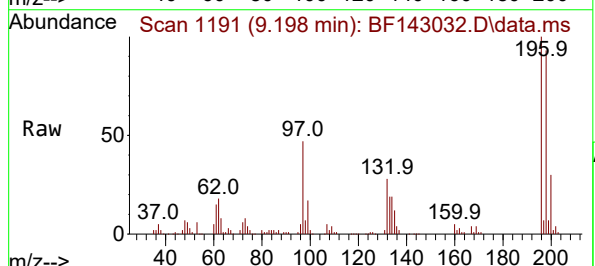
Ion Ratio Lower Upper

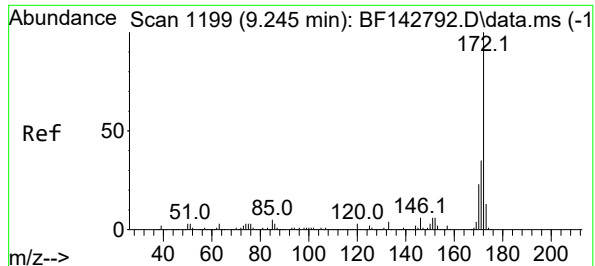
196 100

198 92.6 76.6 115.0

97 46.8 38.2 57.2

132 28.2 23.4 35.0





#45

2-Fluorobiphenyl

Concen: 48.602 ng

RT: 9.234 min Scan# 1199

Delta R.T. -0.011 min

Lab File: BF143032.D

Acq: 08 Jul 2025 14:32

Instrument :

BNA_F

ClientSampleId :

TP-78MS

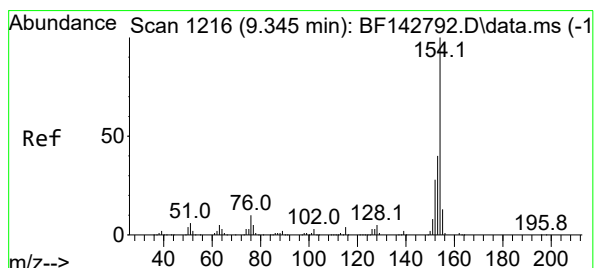
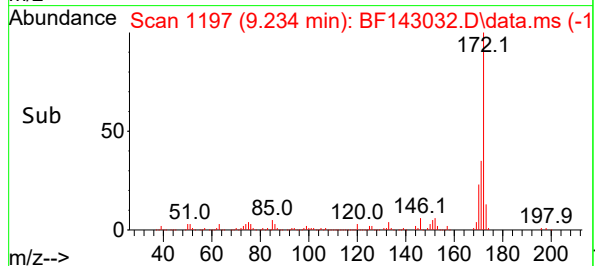
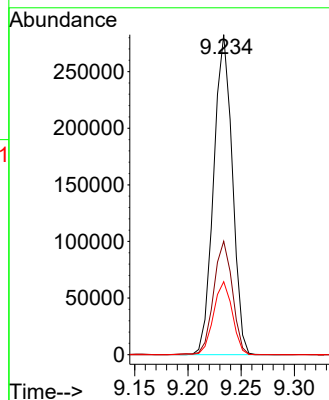
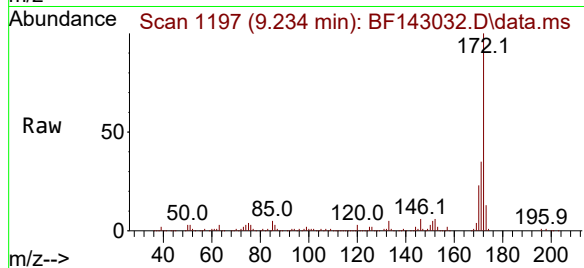
Tgt Ion:172 Resp: 343655

Ion Ratio Lower Upper

172 100

171 35.4 28.2 42.4

170 22.8 18.5 27.7



#46

1,1'-Biphenyl

Concen: 48.474 ng

RT: 9.334 min Scan# 1214

Delta R.T. -0.012 min

Lab File: BF143032.D

Acq: 08 Jul 2025 14:32

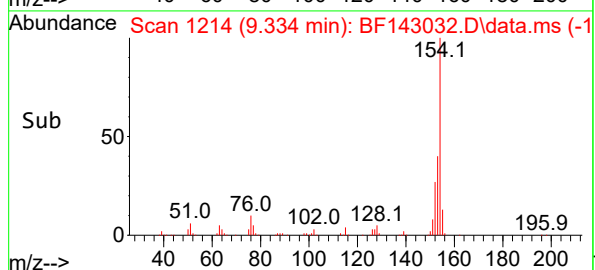
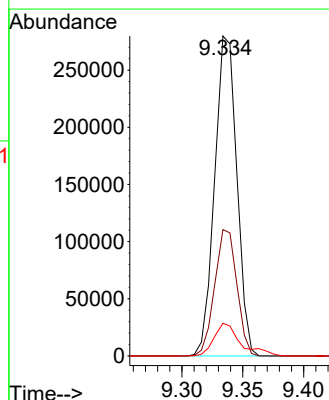
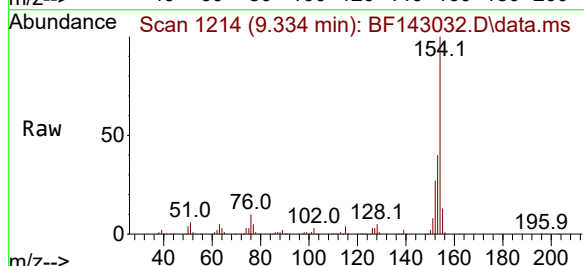
Tgt Ion:154 Resp: 355681

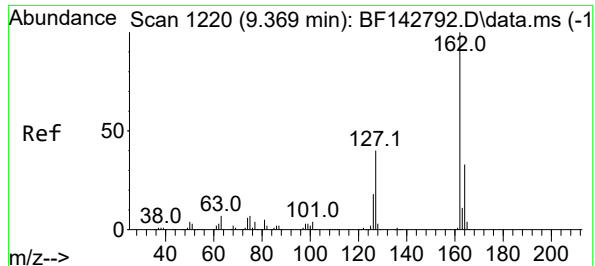
Ion Ratio Lower Upper

154 100

153 39.5 20.3 60.3

76 10.2 0.0 30.3





#47

2-Chloronaphthalene

Concen: 47.913 ng

RT: 9.363 min Scan# 1219

Delta R.T. -0.006 min

Lab File: BF143032.D

Acq: 08 Jul 2025 14:32

Instrument :

BNA_F

ClientSampleId :

TP-78MS

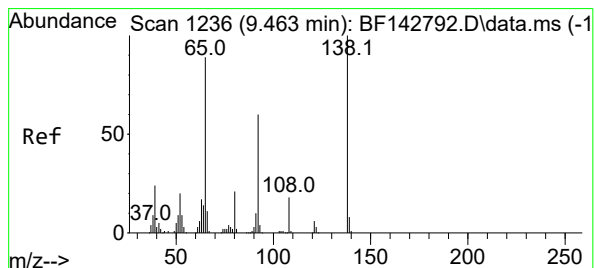
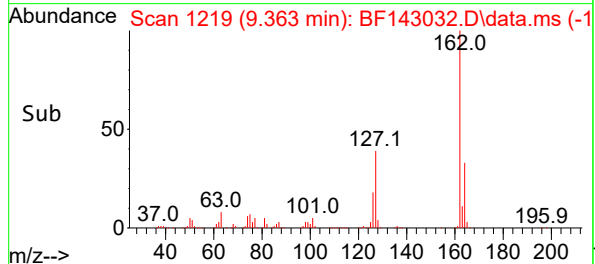
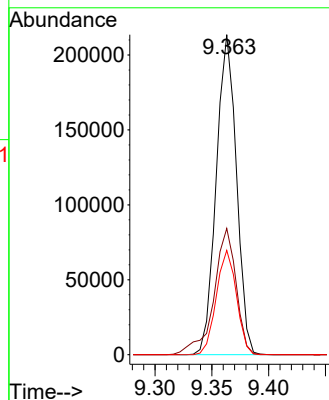
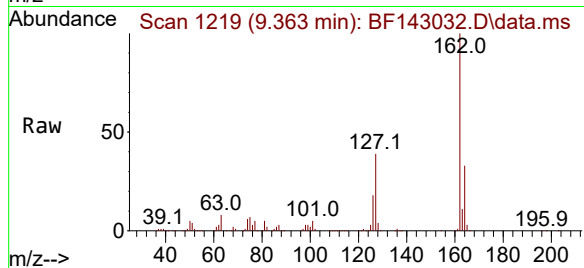
Tgt Ion:162 Resp: 263826

Ion Ratio Lower Upper

162 100

127 39.5 32.2 48.2

164 32.6 26.1 39.1



#48

2-Nitroaniline

Concen: 46.665 ng

RT: 9.463 min Scan# 1236

Delta R.T. 0.000 min

Lab File: BF143032.D

Acq: 08 Jul 2025 14:32

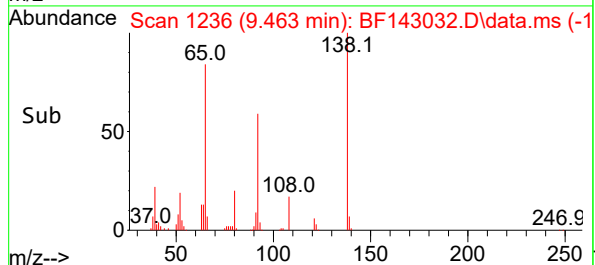
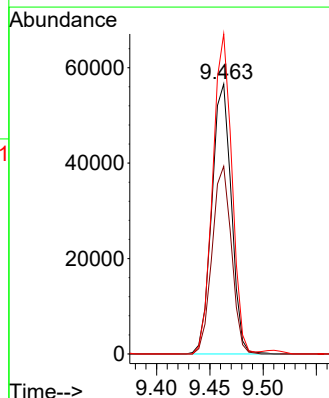
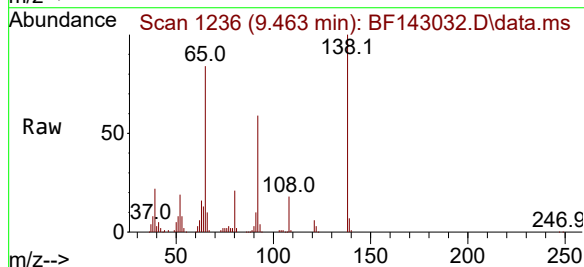
Tgt Ion: 65 Resp: 72038

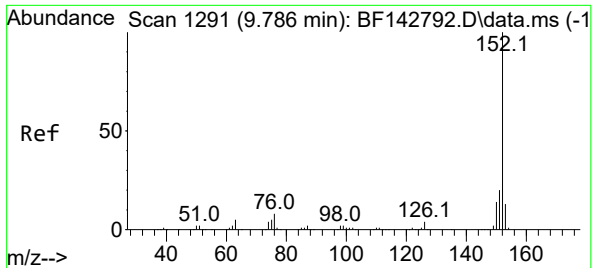
Ion Ratio Lower Upper

65 100

92 69.5 53.8 80.6

138 118.5 89.6 134.4





#49

Acenaphthylene

Concen: 47.313 ng

RT: 9.781 min Scan# 11

Delta R.T. -0.006 min

Lab File: BF143032.D

Acq: 08 Jul 2025 14:32

Instrument :

BNA_F

ClientSampleId :

TP-78MS

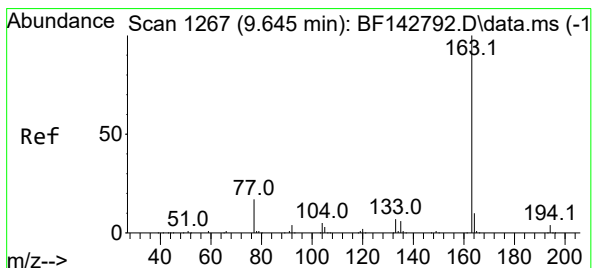
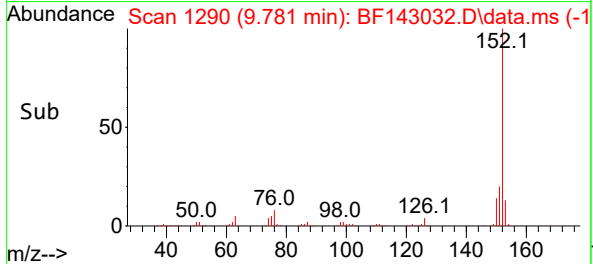
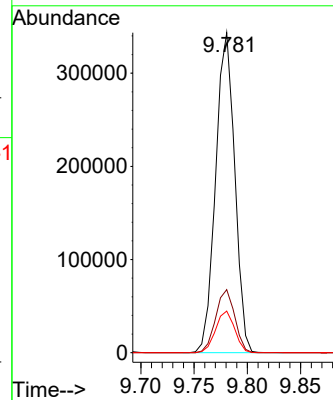
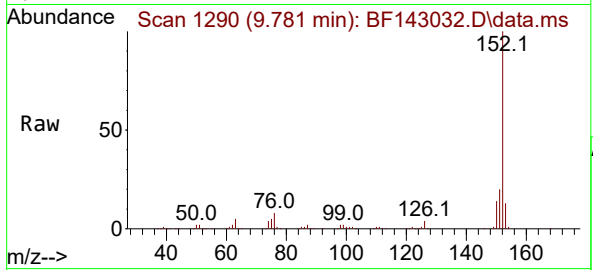
Tgt Ion:152 Resp: 428870

Ion Ratio Lower Upper

152 100

151 19.7 16.1 24.1

153 13.0 10.4 15.6



#50

Dimethylphthalate

Concen: 47.161 ng

RT: 9.634 min Scan# 1265

Delta R.T. -0.012 min

Lab File: BF143032.D

Acq: 08 Jul 2025 14:32

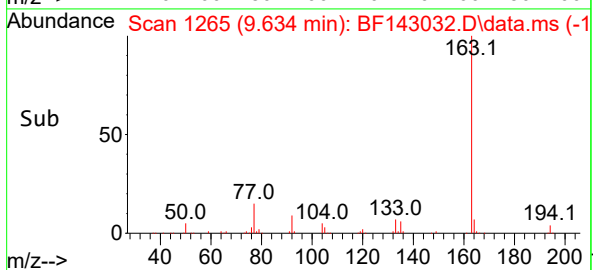
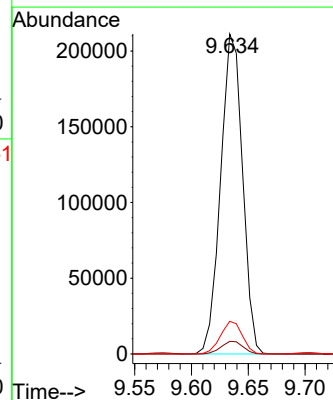
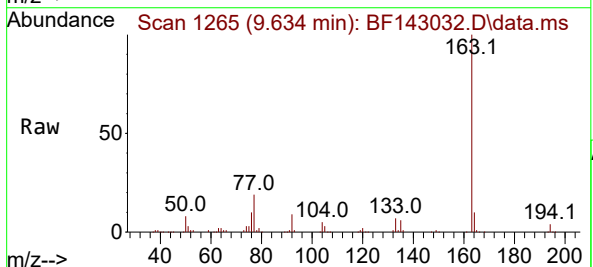
Tgt Ion:163 Resp: 283559

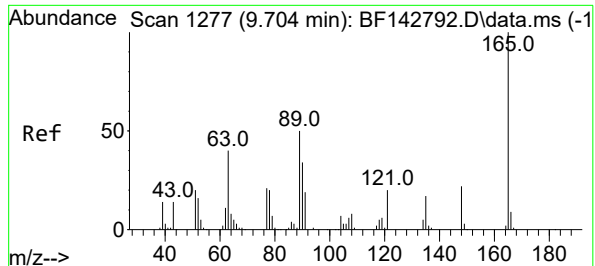
Ion Ratio Lower Upper

163 100

194 4.0 3.3 4.9

164 10.2 8.0 12.0





#51

2,6-Dinitrotoluene

Concen: 46.948 ng

RT: 9.704 min Scan# 11

Delta R.T. 0.000 min

Lab File: BF143032.D

Acq: 08 Jul 2025 14:32

Instrument :

BNA_F

ClientSampleId :

TP-78MS

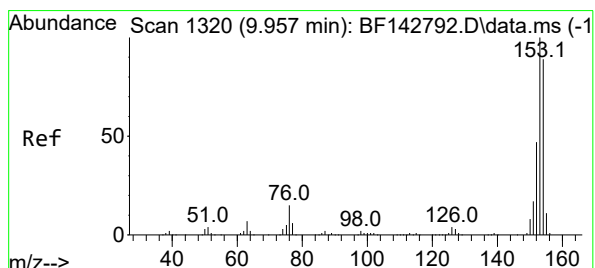
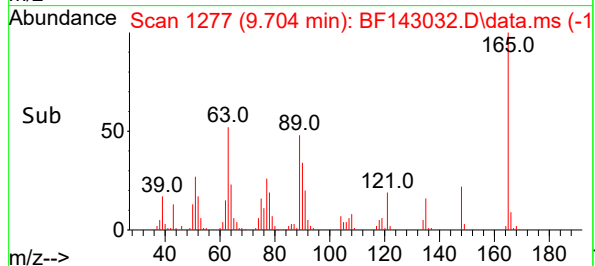
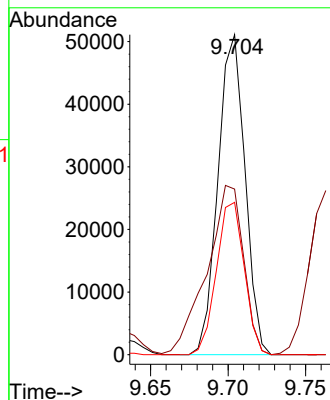
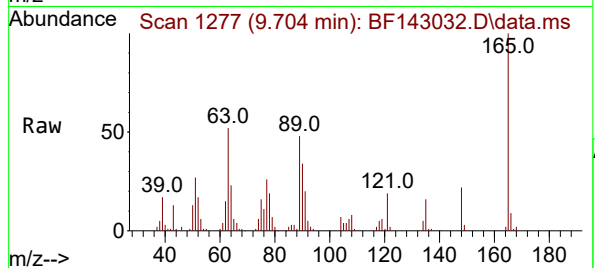
Tgt Ion:165 Resp: 61992

Ion Ratio Lower Upper

165 100

63 51.8 44.2 66.4

89 47.6 39.8 59.8



#52

Acenaphthene

Concen: 46.918 ng m

RT: 9.951 min Scan# 1319

Delta R.T. -0.006 min

Lab File: BF143032.D

Acq: 08 Jul 2025 14:32

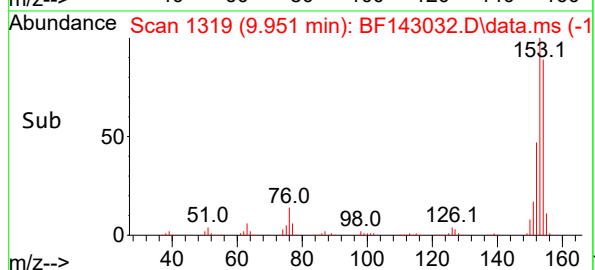
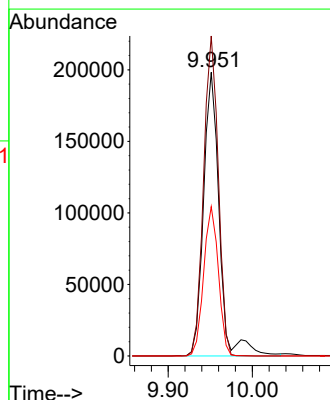
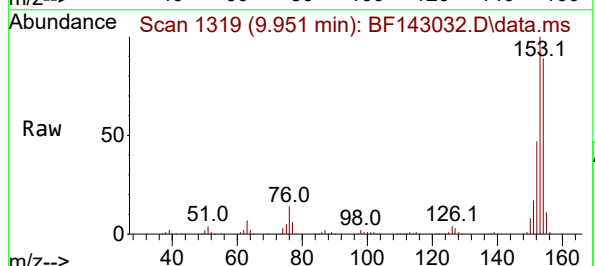
Tgt Ion:154 Resp: 259482

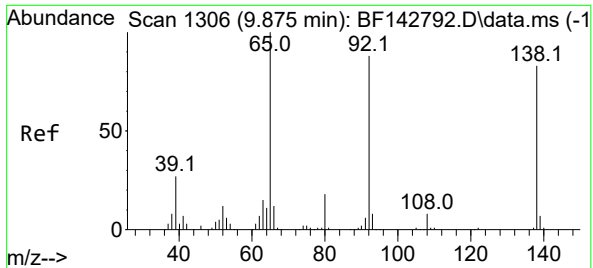
Ion Ratio Lower Upper

154 100

153 112.8 90.0 135.0

152 52.7 41.9 62.9





#53

3-Nitroaniline

Concen: 36.900 ng

RT: 9.875 min Scan# 1306

Delta R.T. 0.000 min

Lab File: BF143032.D

Acq: 08 Jul 2025 14:32

Instrument :

BNA_F

ClientSampleId :

TP-78MS

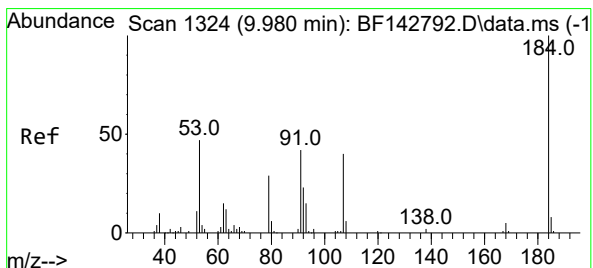
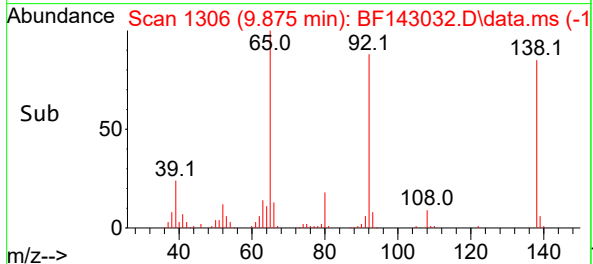
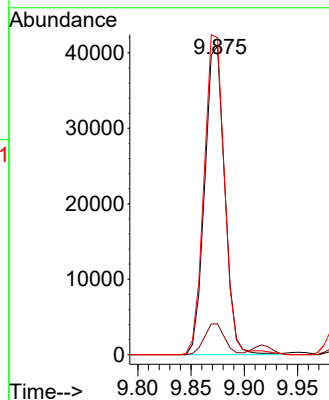
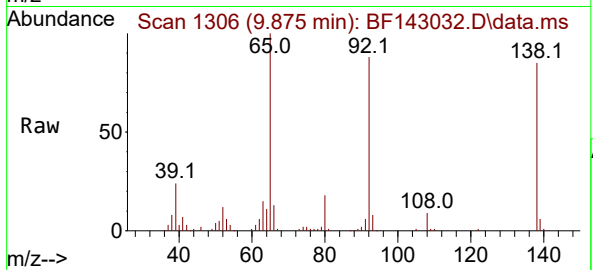
Tgt Ion:138 Resp: 53645

Ion Ratio Lower Upper

138 100

108 10.0 8.1 12.1

92 102.8 85.1 127.7



#54

2,4-Dinitrophenol

Concen: 42.395 ng

RT: 9.986 min Scan# 1325

Delta R.T. 0.006 min

Lab File: BF143032.D

Acq: 08 Jul 2025 14:32

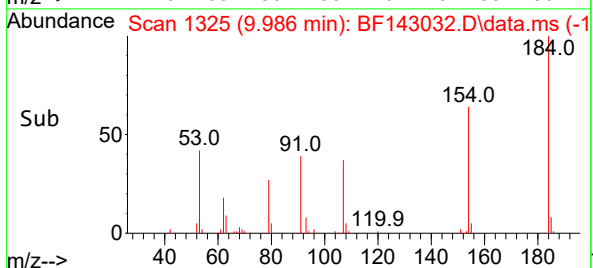
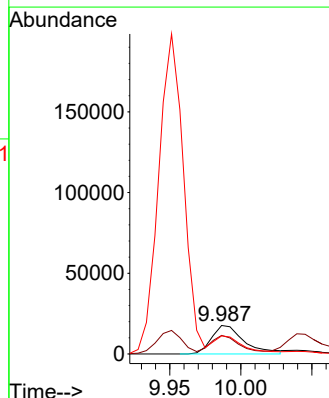
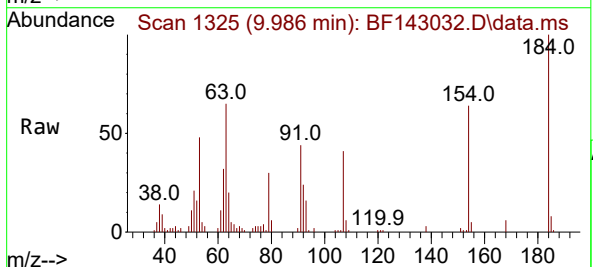
Tgt Ion:184 Resp: 28030

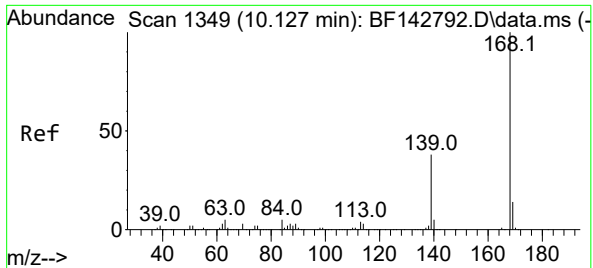
Ion Ratio Lower Upper

184 100

63 65.1 50.6 75.8

154 63.8 51.8 77.8





#55

Dibenzofuran

Concen: 46.680 ng

RT: 10.122 min Scan# 1

Delta R.T. -0.006 min

Lab File: BF143032.D

Acq: 08 Jul 2025 14:32

Instrument :

BNA_F

ClientSampleId :

TP-78MS

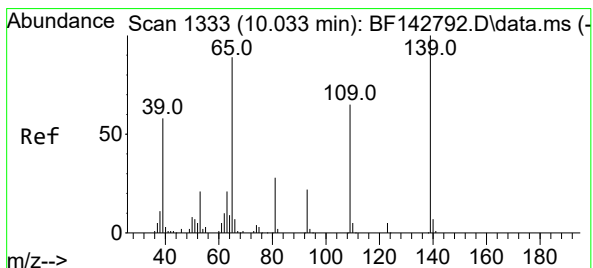
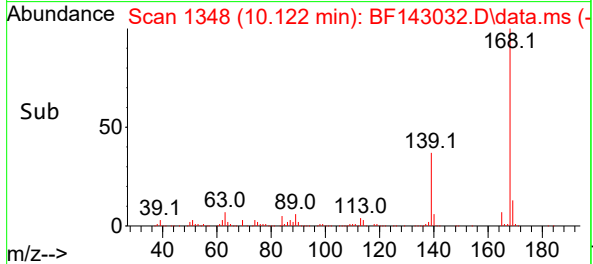
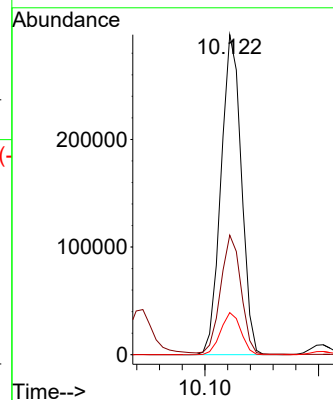
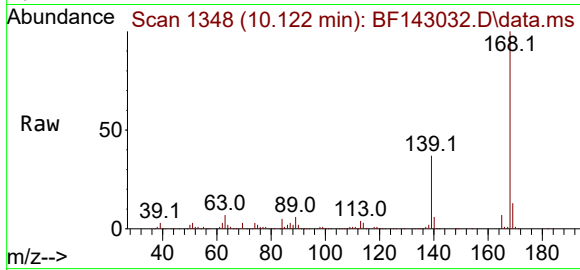
Tgt Ion:168 Resp: 370200

Ion Ratio Lower Upper

168 100

139 37.4 30.2 45.4

169 13.1 10.8 16.2



#56

4-Nitrophenol

Concen: 63.332 ng

RT: 10.045 min Scan# 1335

Delta R.T. 0.012 min

Lab File: BF143032.D

Acq: 08 Jul 2025 14:32

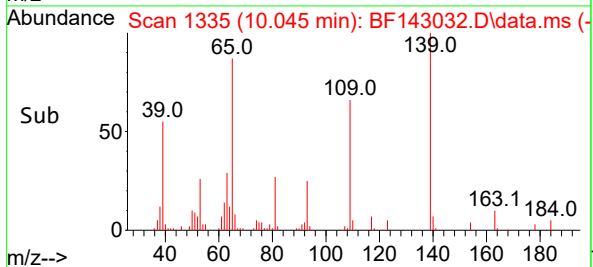
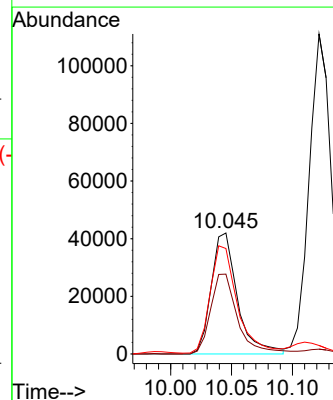
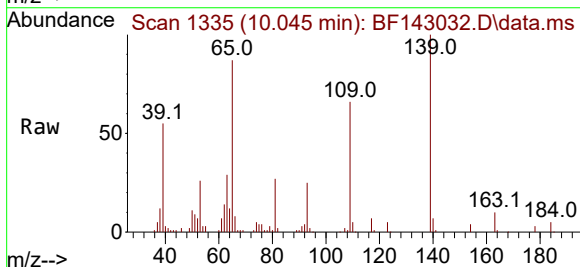
Tgt Ion:139 Resp: 63033

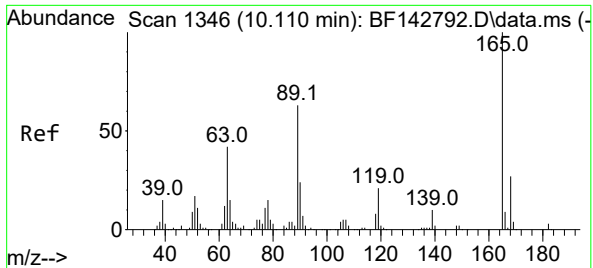
Ion Ratio Lower Upper

139 100

109 66.0 44.7 84.7

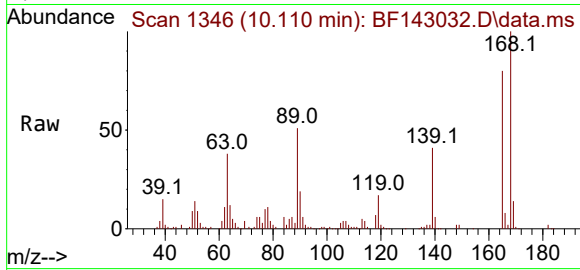
65 87.2 69.8 109.8



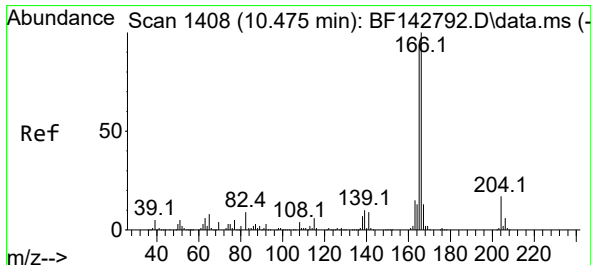
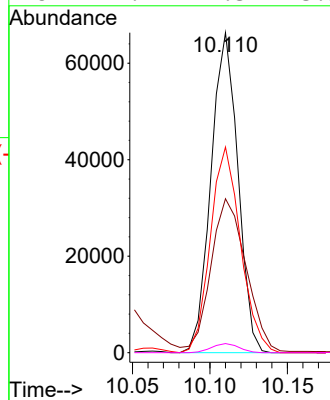
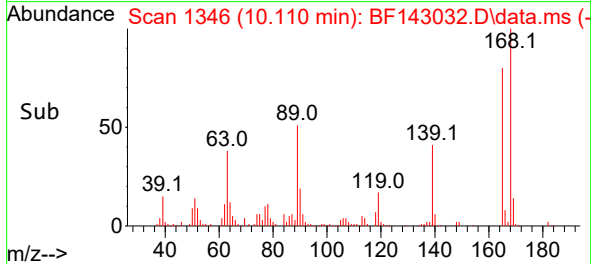


#57
2,4-Dinitrotoluene
Concen: 45.580 ng
RT: 10.110 min Scan# 11
Delta R.T. 0.000 min
Lab File: BF143032.D
Acq: 08 Jul 2025 14:32

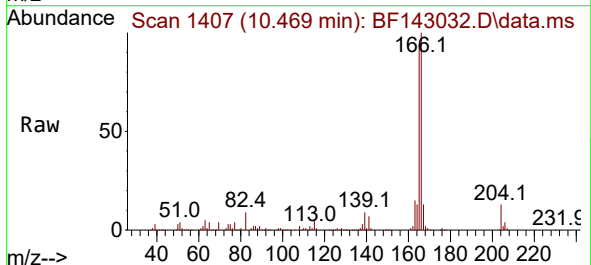
Instrument :
BNA_F
ClientSampleId :
TP-78MS



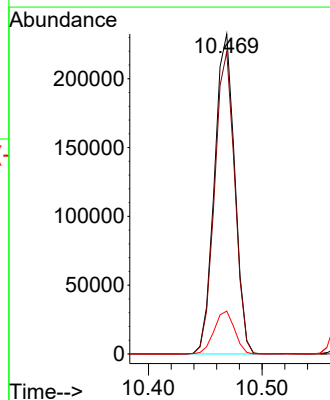
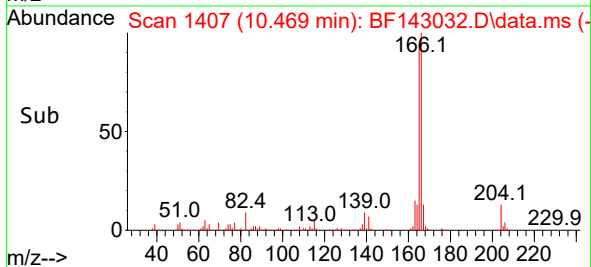
Tgt Ion:165 Resp: 79943
Ion Ratio Lower Upper
165 100
63 48.1 33.9 50.9
89 64.2 50.6 75.8
182 2.9 2.3 3.5

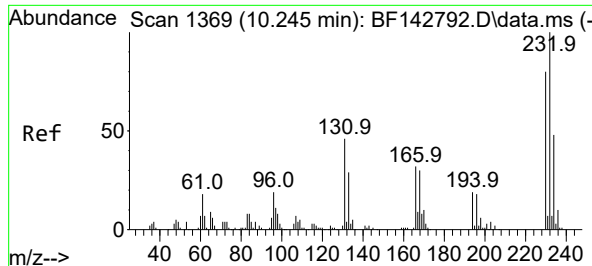


#58
Fluorene
Concen: 46.416 ng
RT: 10.469 min Scan# 1407
Delta R.T. -0.006 min
Lab File: BF143032.D
Acq: 08 Jul 2025 14:32



Tgt Ion:166 Resp: 287484
Ion Ratio Lower Upper
166 100
165 94.4 75.2 112.8
167 13.4 10.6 15.8

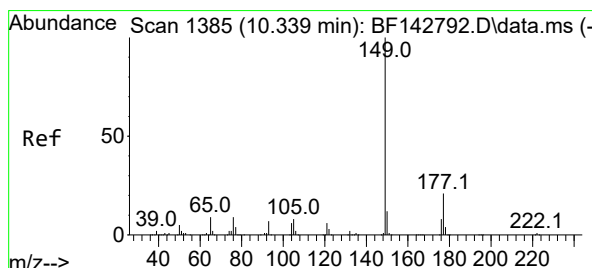
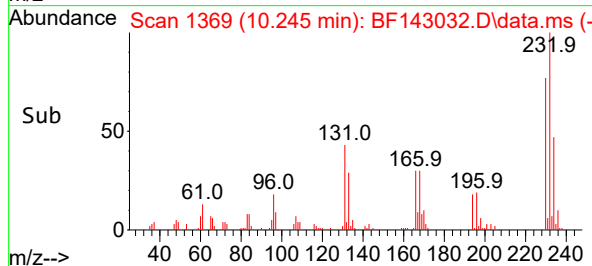
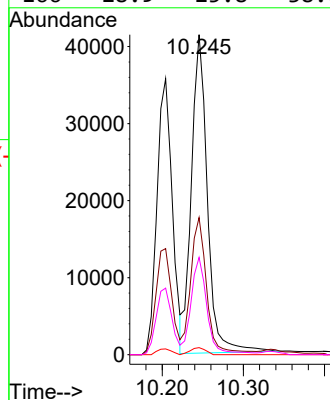
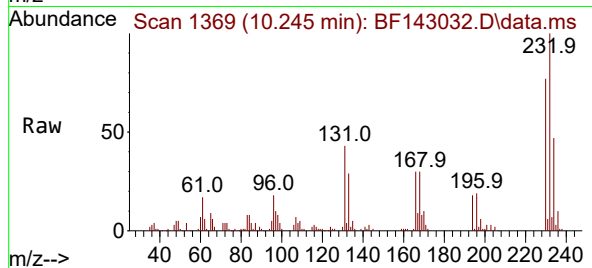




#59
2,3,4,6-Tetrachlorophenol
Concen: 37.374 ng
RT: 10.245 min Scan# 1369
Delta R.T. 0.000 min
Lab File: BF143032.D
Acq: 08 Jul 2025 14:32

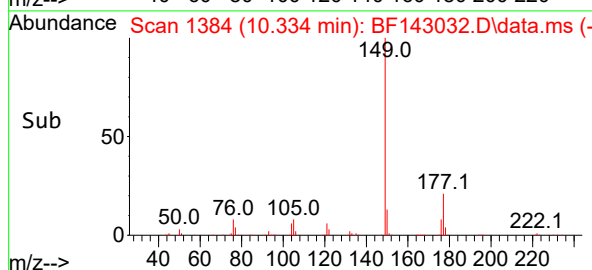
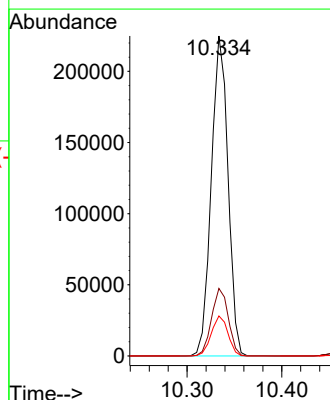
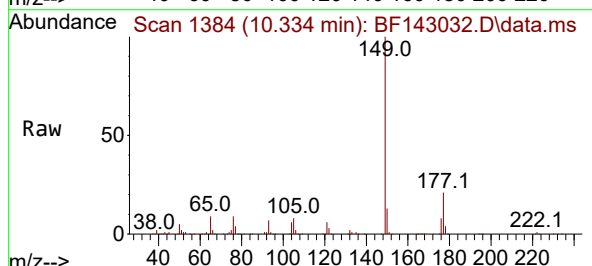
Instrument :
BNA_F
ClientSampleId :
TP-78MS

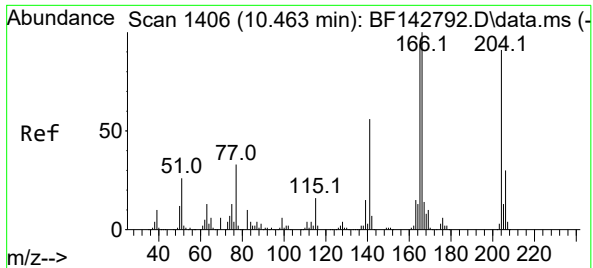
Tgt Ion:232 Resp: 56637
Ion Ratio Lower Upper
232 100
131 43.8 37.6 56.4
130 2.1 1.7 2.5
166 28.9 25.8 38.6



#60
Diethylphthalate
Concen: 46.806 ng
RT: 10.334 min Scan# 1384
Delta R.T. -0.006 min
Lab File: BF143032.D
Acq: 08 Jul 2025 14:32

Tgt Ion:149 Resp: 275934
Ion Ratio Lower Upper
149 100
177 21.1 17.0 25.6
150 12.5 9.8 14.6

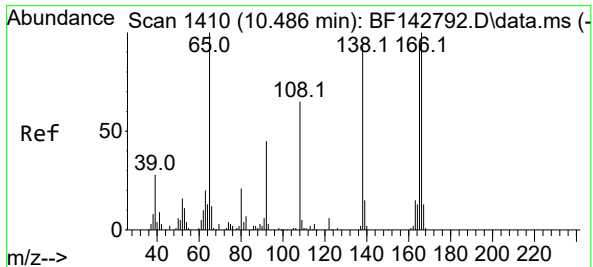
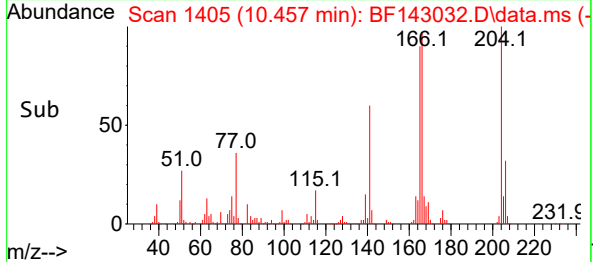
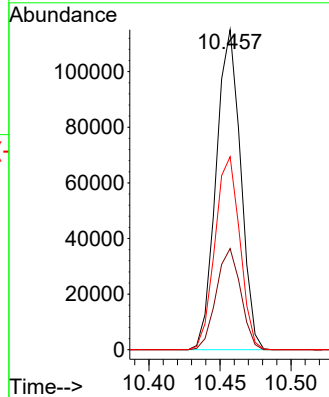
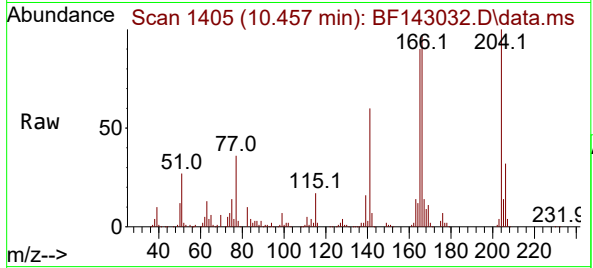




#61
4-Chlorophenyl-phenylether
Concen: 46.689 ng
RT: 10.457 min Scan# 1405
Delta R.T. -0.006 min
Lab File: BF143032.D
Acq: 08 Jul 2025 14:32

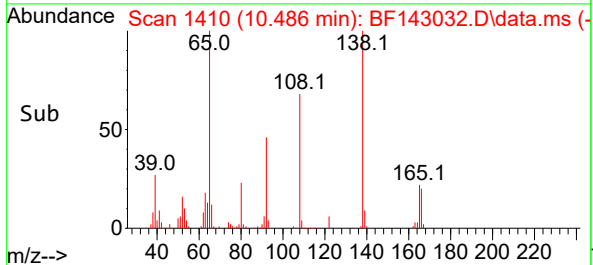
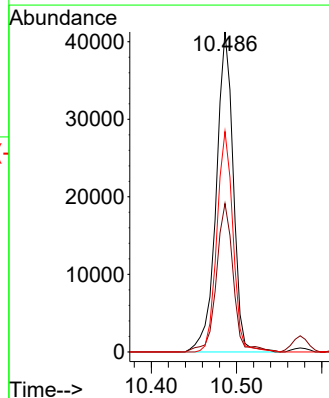
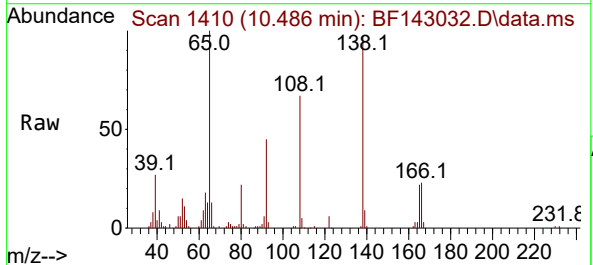
Instrument :
BNA_F
ClientSampleId :
TP-78MS

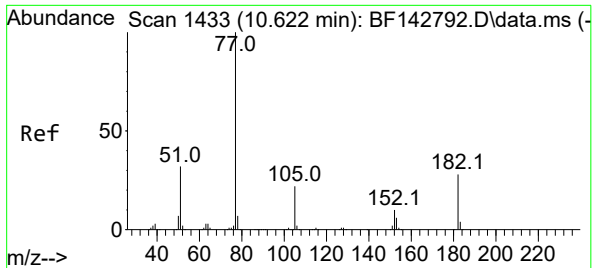
Tgt Ion:204 Resp: 137990
Ion Ratio Lower Upper
204 100
206 31.6 26.3 39.5
141 60.3 49.1 73.7



#62
4-Nitroaniline
Concen: 43.282 ng
RT: 10.486 min Scan# 1410
Delta R.T. 0.000 min
Lab File: BF143032.D
Acq: 08 Jul 2025 14:32

Tgt Ion:138 Resp: 57548
Ion Ratio Lower Upper
138 100
92 46.4 28.4 68.4
108 68.9 50.2 90.2

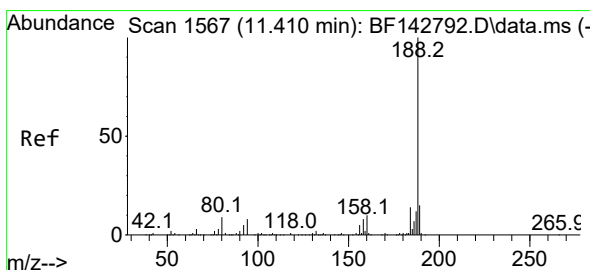
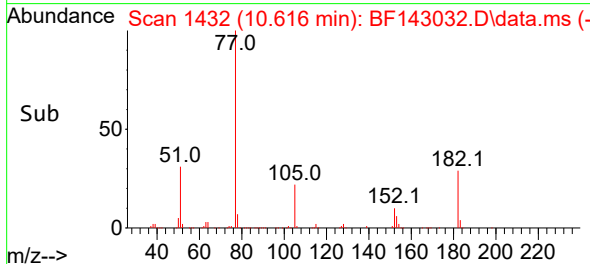
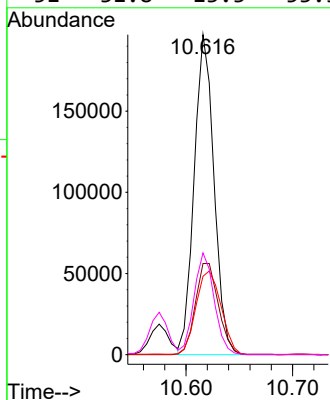
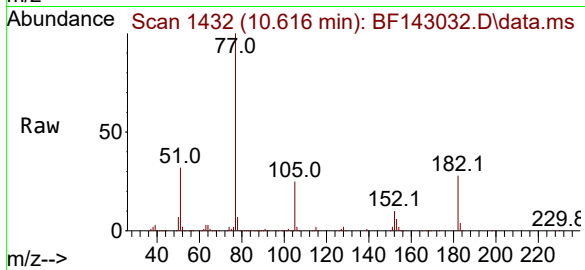




#63
Azobenzene
Concen: 48.562 ng
RT: 10.616 min Scan# 1432
Delta R.T. -0.006 min
Lab File: BF143032.D
Acq: 08 Jul 2025 14:32

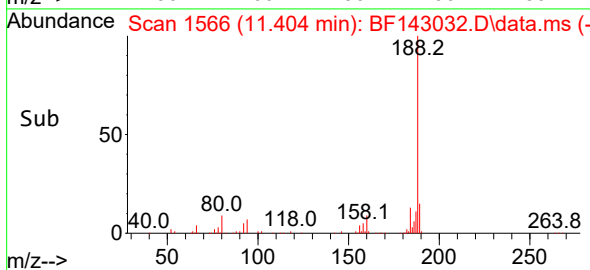
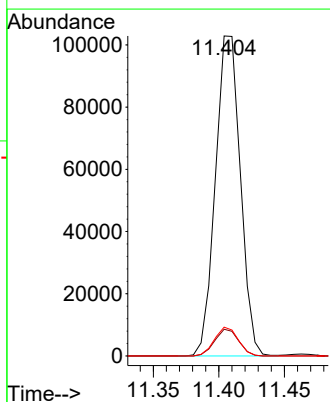
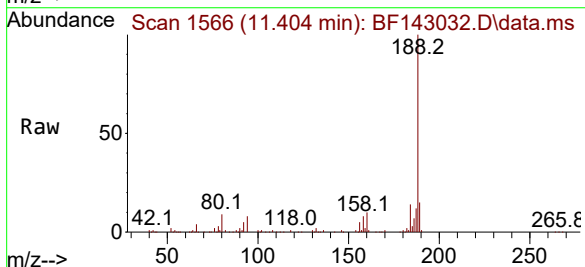
Instrument :
BNA_F
ClientSampleId :
TP-78MS

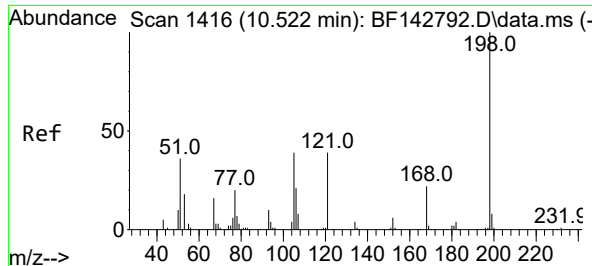
Tgt Ion: 77 Resp: 255869
Ion Ratio Lower Upper
77 100
182 28.5 7.7 47.7
105 24.5 1.9 41.9
51 31.8 13.3 53.3



#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.404 min Scan# 1566
Delta R.T. -0.006 min
Lab File: BF143032.D
Acq: 08 Jul 2025 14:32

Tgt Ion: 188 Resp: 136328
Ion Ratio Lower Upper
188 100
94 8.3 6.7 10.1
80 9.0 6.9 10.3

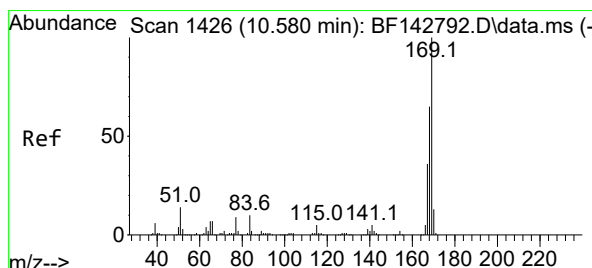
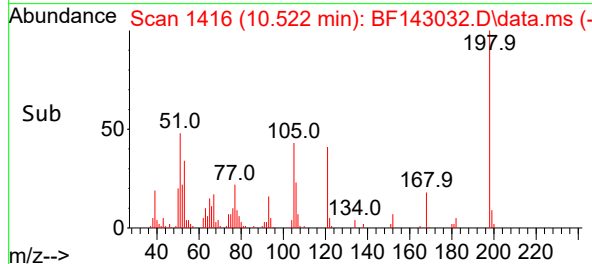
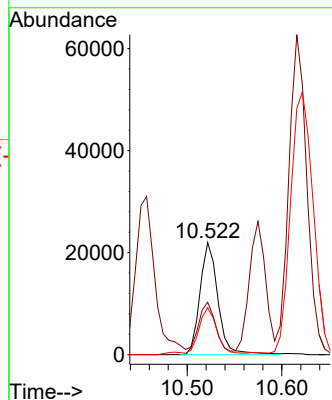
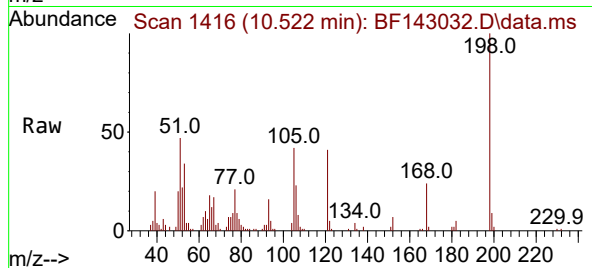




#65
4,6-Dinitro-2-methylphenol
Concen: 35.114 ng
RT: 10.522 min Scan# 1416
Delta R.T. 0.000 min
Lab File: BF143032.D
Acq: 08 Jul 2025 14:32

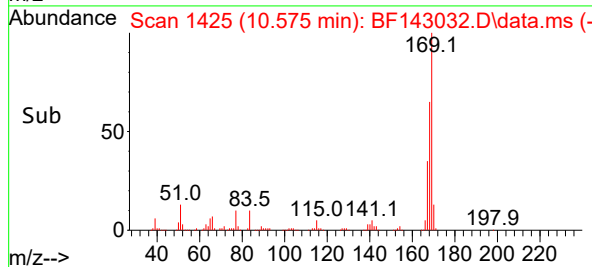
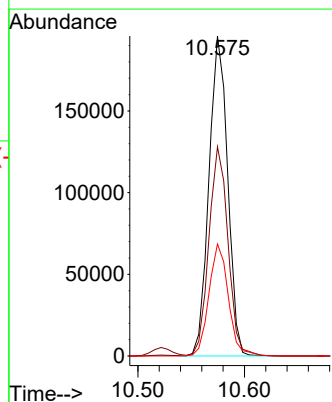
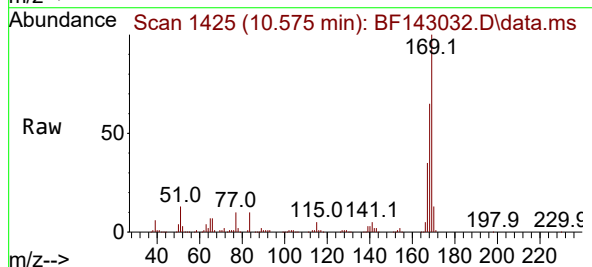
Instrument :
BNA_F
ClientSampleId :
TP-78MS

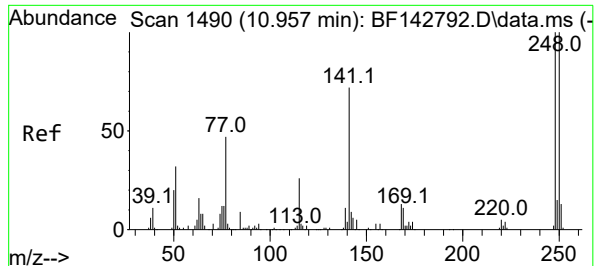
Tgt Ion:198 Resp: 28955
Ion Ratio Lower Upper
198 100
51 46.8 25.4 65.4
105 41.9 20.4 60.4



#66
n-Nitrosodiphenylamine
Concen: 50.478 ng
RT: 10.575 min Scan# 1425
Delta R.T. -0.006 min
Lab File: BF143032.D
Acq: 08 Jul 2025 14:32

Tgt Ion:169 Resp: 238497
Ion Ratio Lower Upper
169 100
168 65.3 51.9 77.9
167 35.0 28.5 42.7

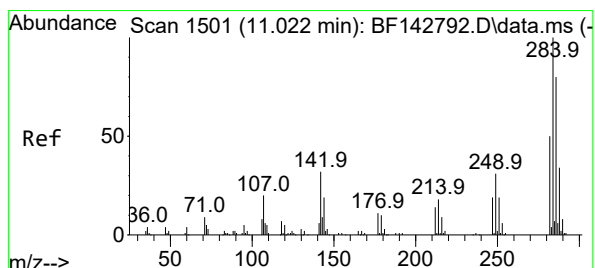
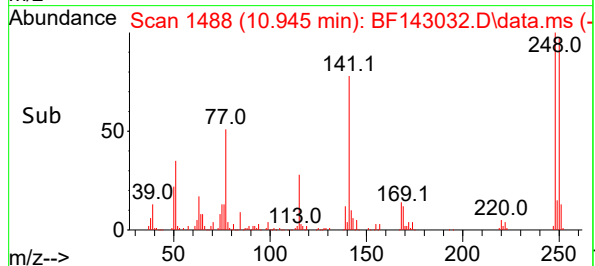
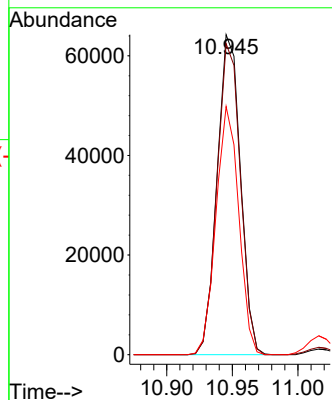
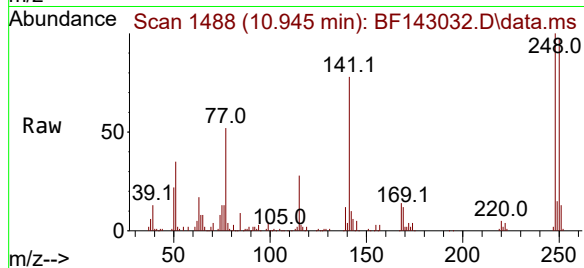




#67
4-Bromophenyl-phenylether
Concen: 51.298 ng
RT: 10.945 min Scan# 1488
Delta R.T. -0.012 min
Lab File: BF143032.D
Acq: 08 Jul 2025 14:32

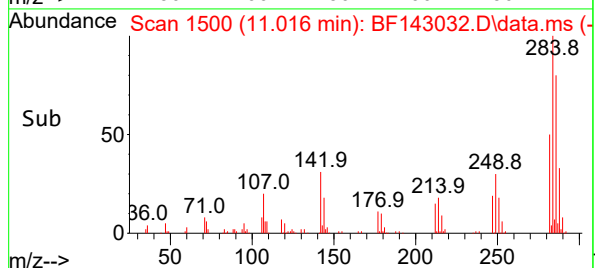
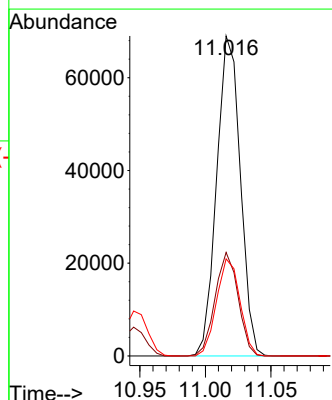
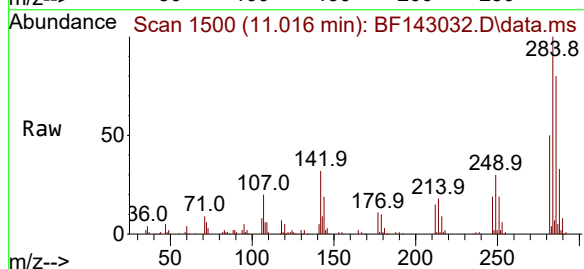
Instrument :
BNA_F
ClientSampleId :
TP-78MS

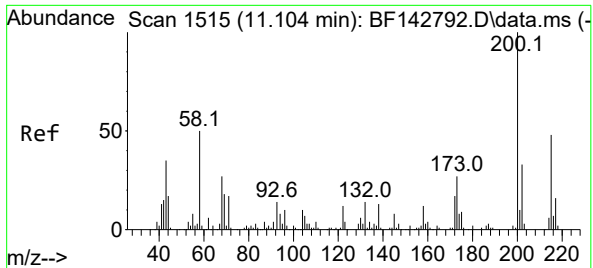
Tgt Ion:248 Resp: 79591
Ion Ratio Lower Upper
248 100
250 97.2 79.8 119.8
141 77.6 57.8 86.6



#68
Hexachlorobenzene
Concen: 50.106 ng
RT: 11.016 min Scan# 1500
Delta R.T. -0.006 min
Lab File: BF143032.D
Acq: 08 Jul 2025 14:32

Tgt Ion:284 Resp: 86383
Ion Ratio Lower Upper
284 100
142 32.3 25.5 38.3
249 30.4 24.9 37.3





#69

Atrazine

Concen: 50.163 ng

RT: 11.104 min Scan# 1515

Delta R.T. 0.000 min

Lab File: BF143032.D

Acq: 08 Jul 2025 14:32

Instrument :

BNA_F

ClientSampleId :

TP-78MS

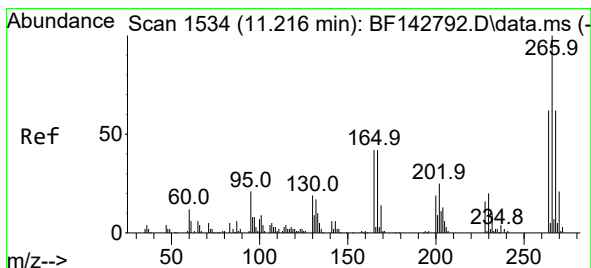
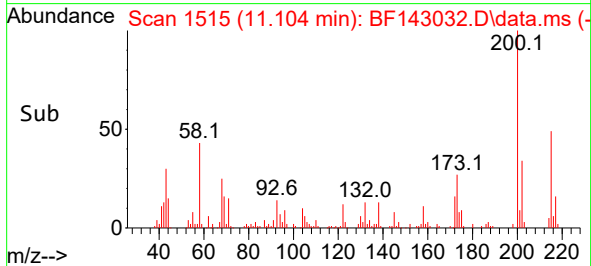
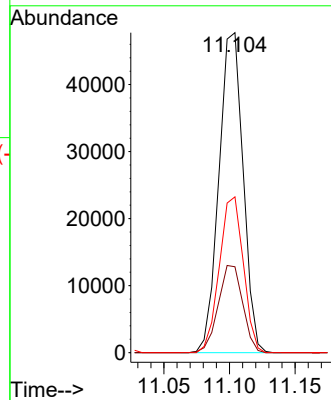
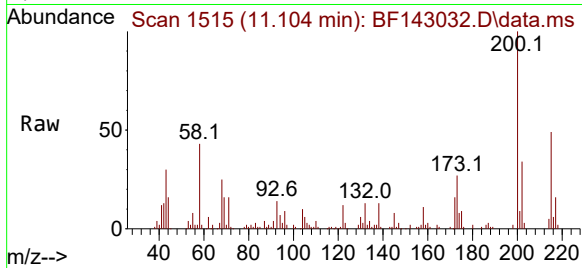
Tgt Ion:200 Resp: 61204

Ion Ratio Lower Upper

200 100

173 26.9 7.4 47.4

215 48.7 28.4 68.4



#70

Pentachlorophenol

Concen: 54.284 ng

RT: 11.216 min Scan# 1534

Delta R.T. 0.000 min

Lab File: BF143032.D

Acq: 08 Jul 2025 14:32

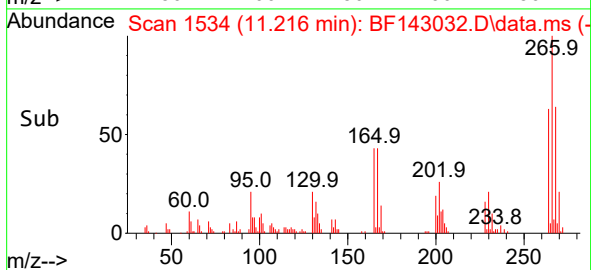
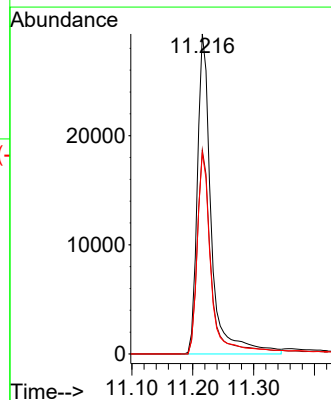
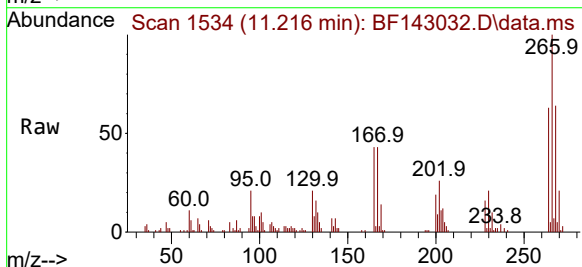
Tgt Ion:266 Resp: 46634

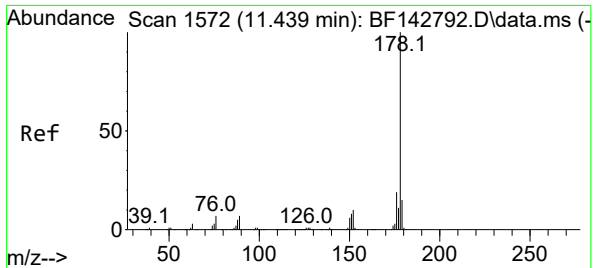
Ion Ratio Lower Upper

266 100

268 63.7 49.8 74.8

264 62.9 49.9 74.9





#71

Phenanthrene

Concen: 47.915 ng

RT: 11.433 min Scan# 1571

Delta R.T. -0.006 min

Lab File: BF143032.D

Acq: 08 Jul 2025 14:32

Instrument :

BNA_F

ClientSampleId :

TP-78MS

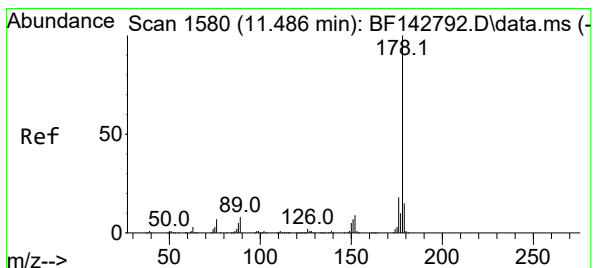
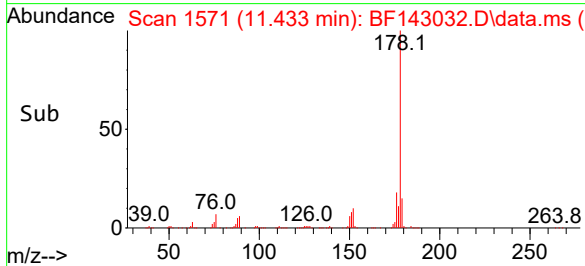
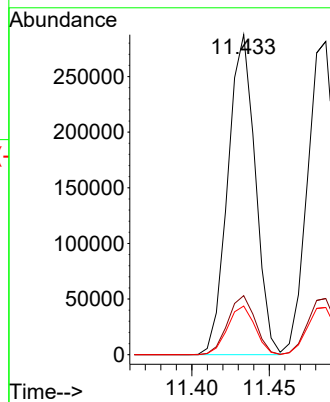
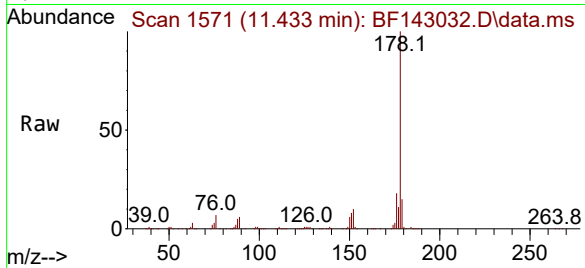
Tgt Ion:178 Resp: 353850

Ion Ratio Lower Upper

178 100

176 18.4 15.1 22.7

179 15.2 12.0 18.0



#72

Anthracene

Concen: 47.884 ng

RT: 11.486 min Scan# 1580

Delta R.T. 0.000 min

Lab File: BF143032.D

Acq: 08 Jul 2025 14:32

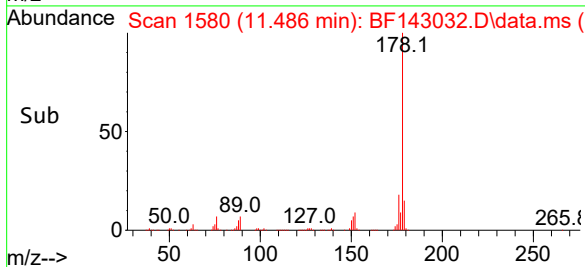
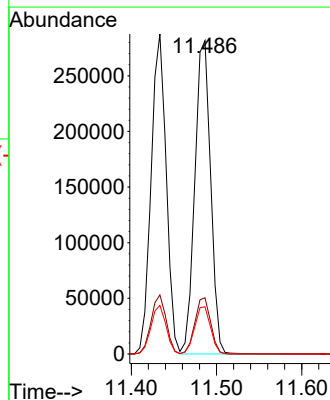
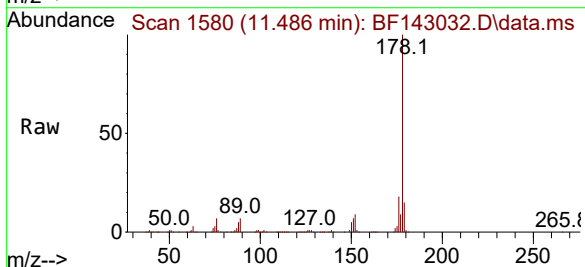
Tgt Ion:178 Resp: 362667

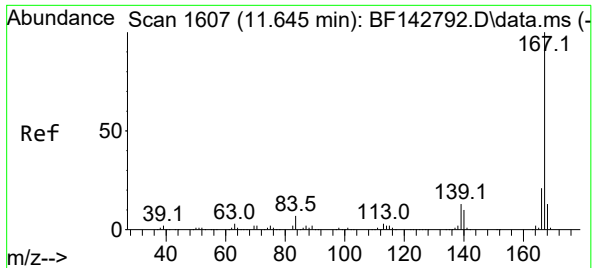
Ion Ratio Lower Upper

178 100

176 17.9 14.6 21.8

179 15.1 12.4 18.6

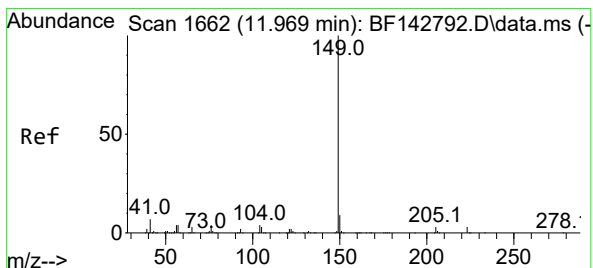
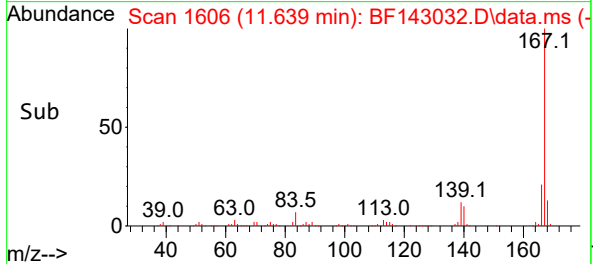
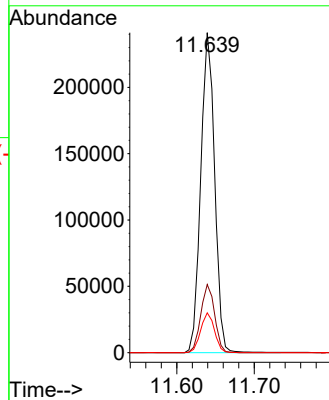
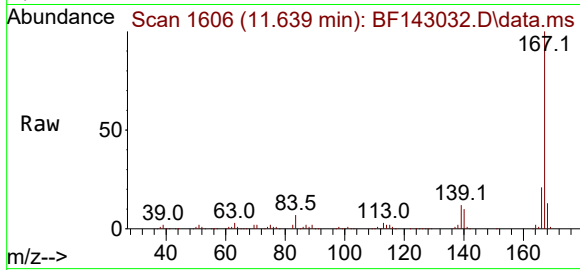




#73
Carbazole
Concen: 45.925 ng
RT: 11.639 min Scan# 1606
Delta R.T. -0.006 min
Lab File: BF143032.D
Acq: 08 Jul 2025 14:32

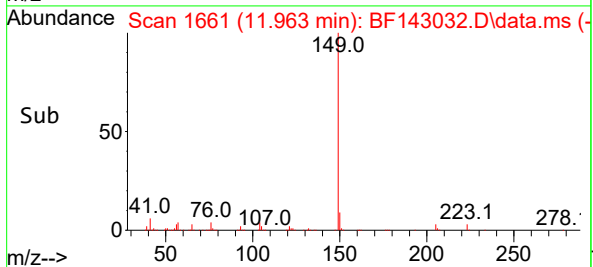
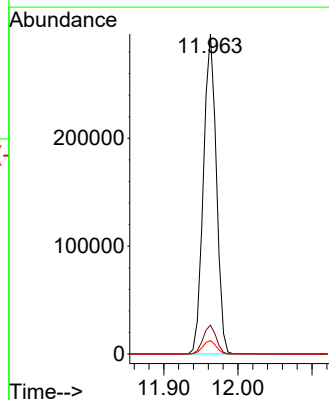
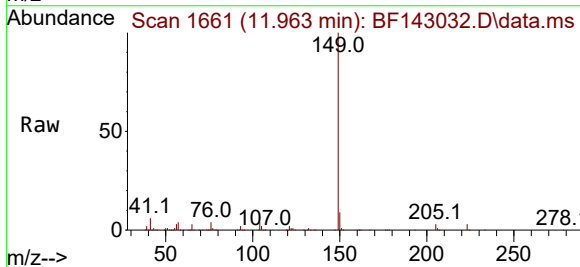
Instrument :
BNA_F
ClientSampleId :
TP-78MS

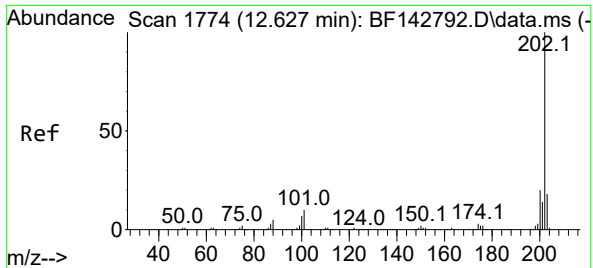
Tgt Ion:167 Resp: 300163
Ion Ratio Lower Upper
167 100
166 21.3 17.0 25.4
139 12.5 10.2 15.2



#74
Di-n-butylphthalate
Concen: 52.847 ng
RT: 11.963 min Scan# 1661
Delta R.T. -0.006 min
Lab File: BF143032.D
Acq: 08 Jul 2025 14:32

Tgt Ion:149 Resp: 359829
Ion Ratio Lower Upper
149 100
150 9.0 7.4 11.0
104 4.2 3.5 5.3

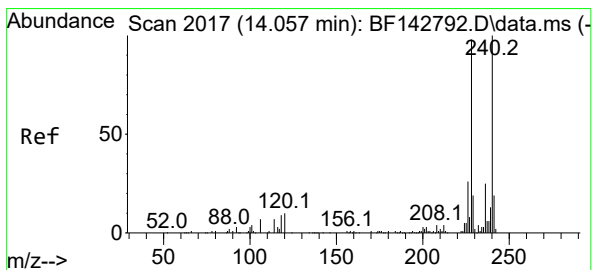
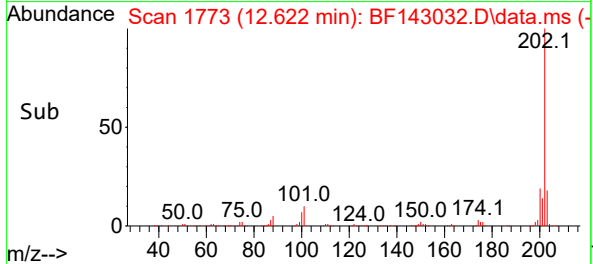
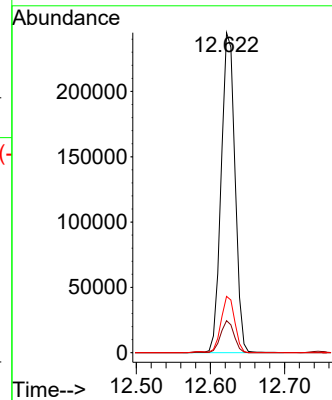
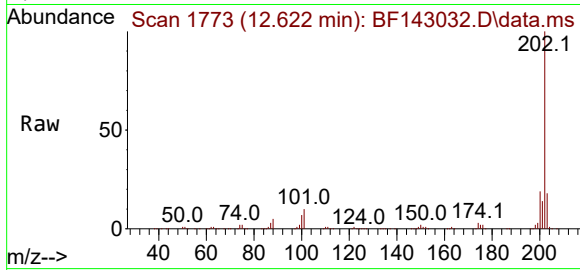




#75
Fluoranthene
Concen: 45.296 ng
RT: 12.622 min Scan# 1774
Delta R.T. -0.006 min
Lab File: BF143032.D
Acq: 08 Jul 2025 14:32

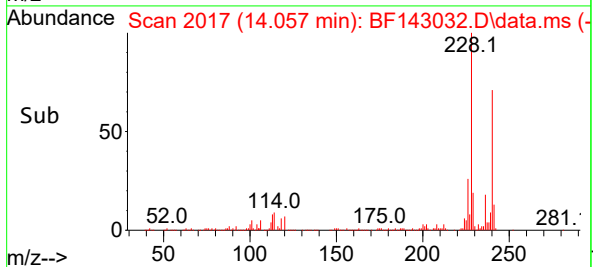
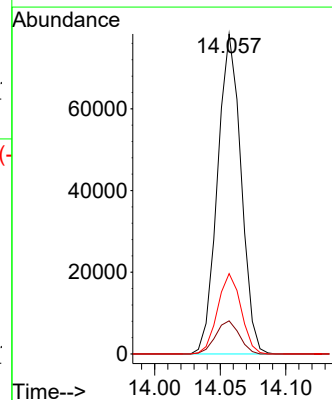
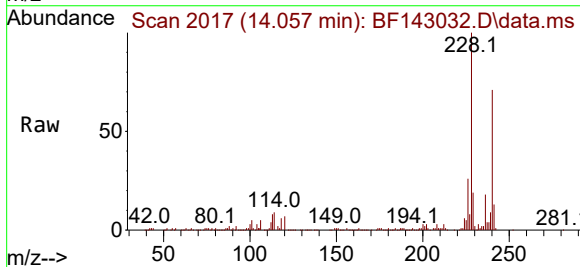
Instrument :
BNA_F
ClientSampleId :
TP-78MS

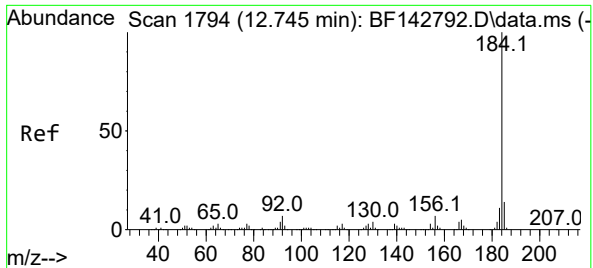
Tgt Ion:202 Resp: 317461
Ion Ratio Lower Upper
202 100
101 10.0 0.0 29.7
203 17.6 0.0 37.5



#76
Chrysene-d12
Concen: 20.000 ng
RT: 14.057 min Scan# 2017
Delta R.T. 0.000 min
Lab File: BF143032.D
Acq: 08 Jul 2025 14:32

Tgt Ion:240 Resp: 97647
Ion Ratio Lower Upper
240 100
120 10.3 8.2 12.2
236 25.1 19.8 29.8

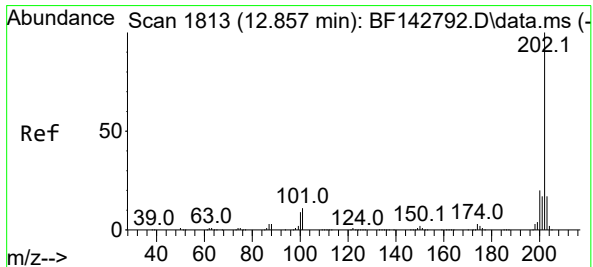
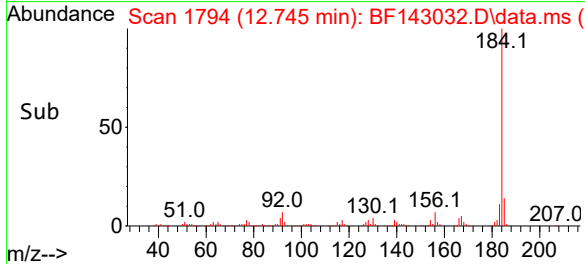
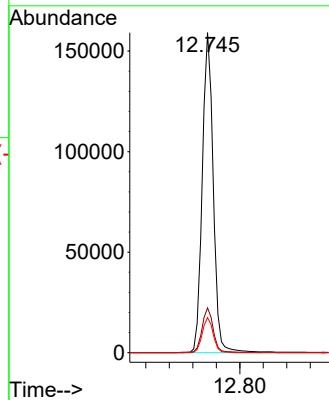
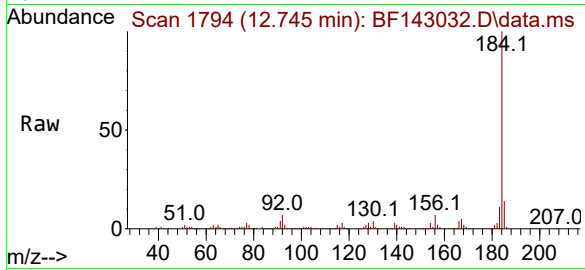




#77
Benzidine
Concen: 56.166 ng
RT: 12.745 min Scan# 1794
Delta R.T. 0.000 min
Lab File: BF143032.D
Acq: 08 Jul 2025 14:32

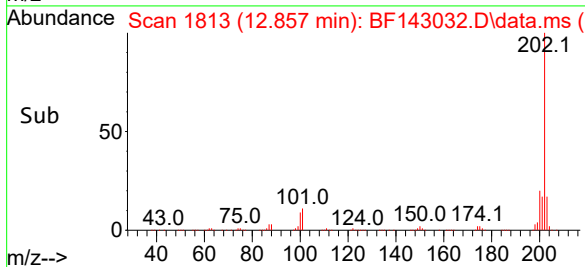
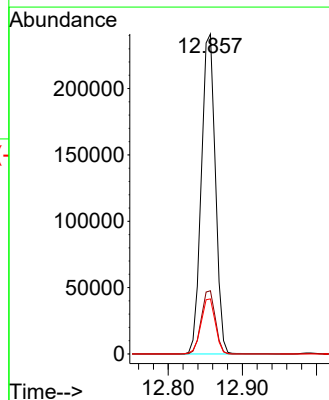
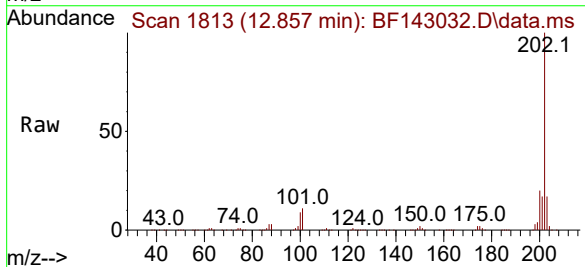
Instrument :
BNA_F
ClientSampleId :
TP-78MS

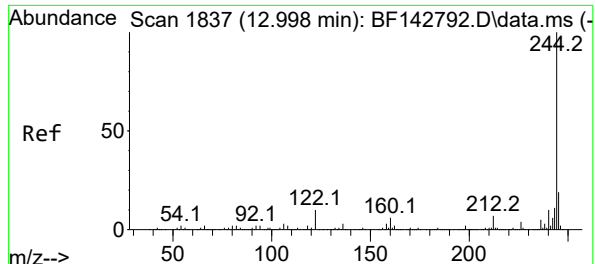
Tgt Ion:184 Resp: 206056
Ion Ratio Lower Upper
184 100
185 14.0 11.5 17.3
183 11.0 9.0 13.4



#78
Pyrene
Concen: 34.647 ng
RT: 12.857 min Scan# 1813
Delta R.T. 0.000 min
Lab File: BF143032.D
Acq: 08 Jul 2025 14:32

Tgt Ion:202 Resp: 317116
Ion Ratio Lower Upper
202 100
200 19.7 15.7 23.5
203 17.2 13.8 20.6





#79

Terphenyl-d14

Concen: 35.887 ng

RT: 12.992 min Scan# 1836

Delta R.T. -0.006 min

Lab File: BF143032.D

Acq: 08 Jul 2025 14:32

Instrument :

BNA_F

ClientSampleId :

TP-78MS

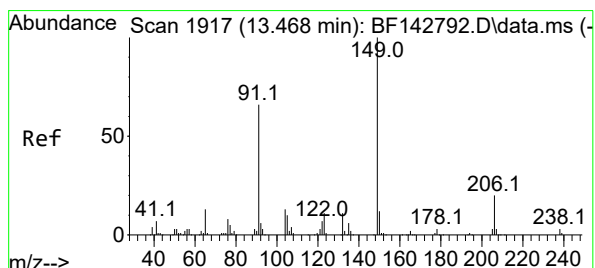
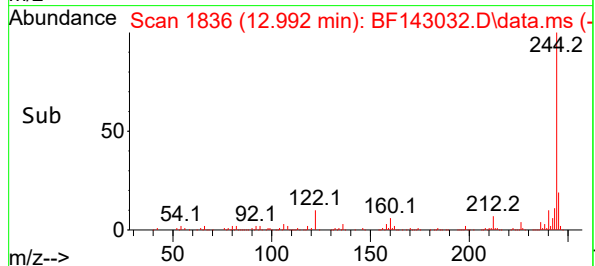
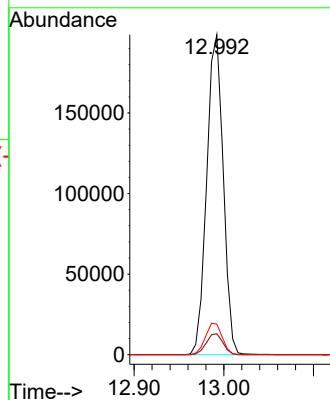
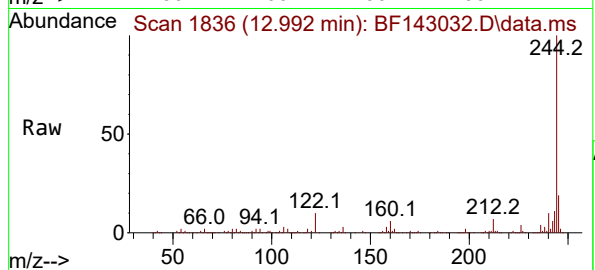
Tgt Ion:244 Resp: 253616

Ion Ratio Lower Upper

244 100

212 6.5 5.4 8.0

122 9.5 8.2 12.2



#80

Butylbenzylphthalate

Concen: 48.305 ng

RT: 13.463 min Scan# 1916

Delta R.T. -0.006 min

Lab File: BF143032.D

Acq: 08 Jul 2025 14:32

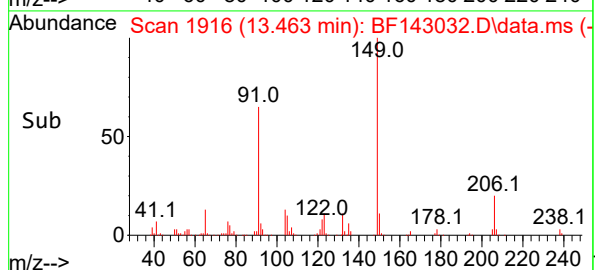
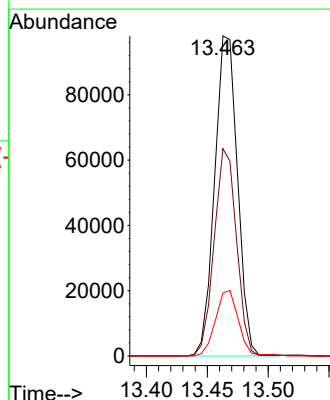
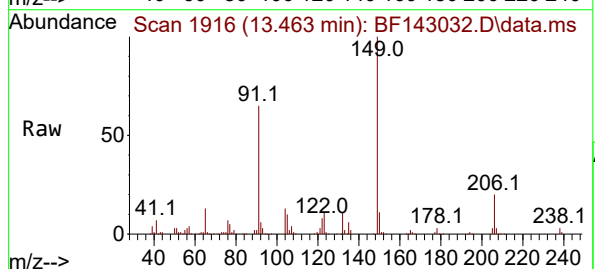
Tgt Ion:149 Resp: 128249

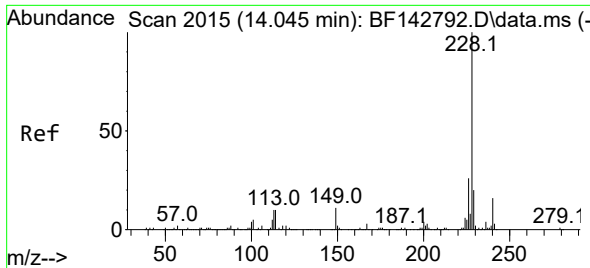
Ion Ratio Lower Upper

149 100

91 64.8 52.9 79.3

206 19.7 16.3 24.5

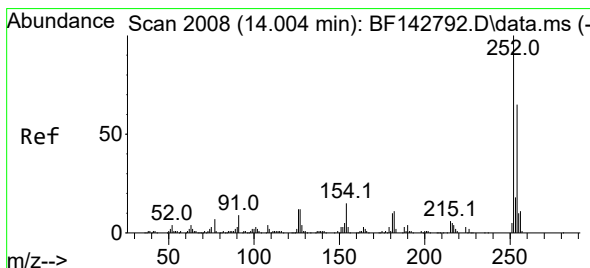
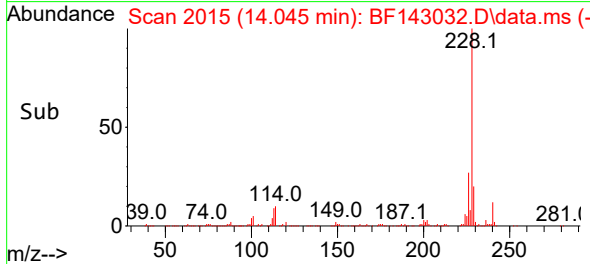
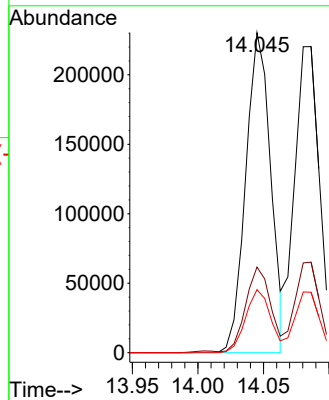
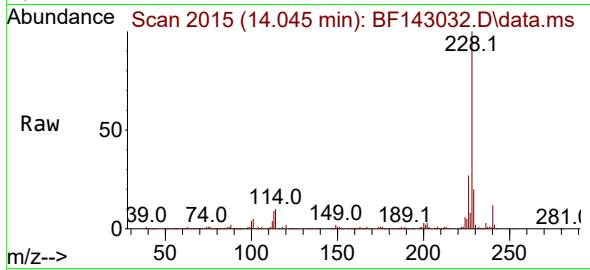




#81
Benzo(a)anthracene
Concen: 46.282 ng
RT: 14.045 min Scan# 2015
Delta R.T. 0.000 min
Lab File: BF143032.D
Acq: 08 Jul 2025 14:32

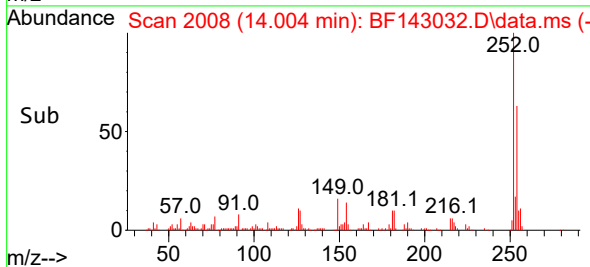
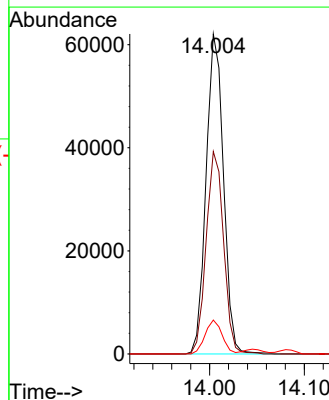
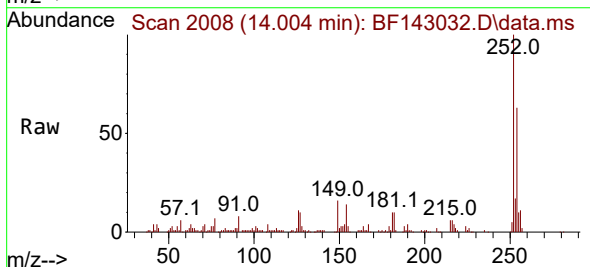
Instrument :
BNA_F
ClientSampleId :
TP-78MS

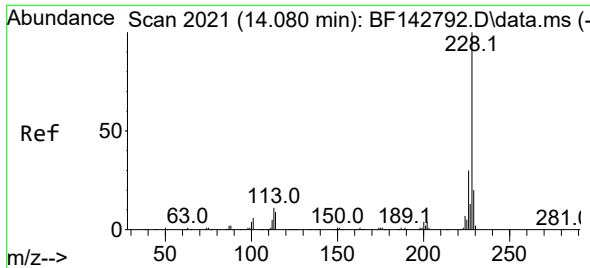
Tgt Ion:228 Resp: 304878
Ion Ratio Lower Upper
228 100
226 26.7 21.2 31.8
229 19.7 15.6 23.4



#82
3,3'-Dichlorobenzidine
Concen: 37.048 ng
RT: 14.004 min Scan# 2008
Delta R.T. 0.000 min
Lab File: BF143032.D
Acq: 08 Jul 2025 14:32

Tgt Ion:252 Resp: 79159
Ion Ratio Lower Upper
252 100
254 63.3 51.7 77.5
126 10.6 9.4 14.2

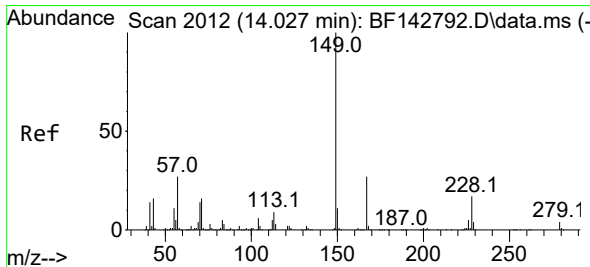
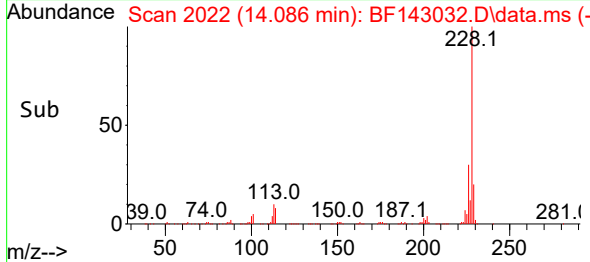
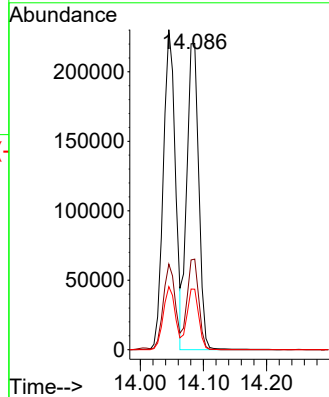
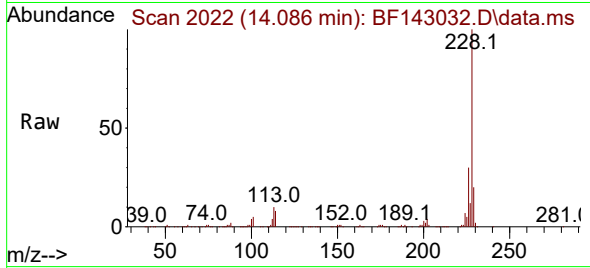




#83
Chrysene
Concen: 49.468 ng
RT: 14.086 min Scan# 2011
Delta R.T. 0.006 min
Lab File: BF143032.D
Acq: 08 Jul 2025 14:32

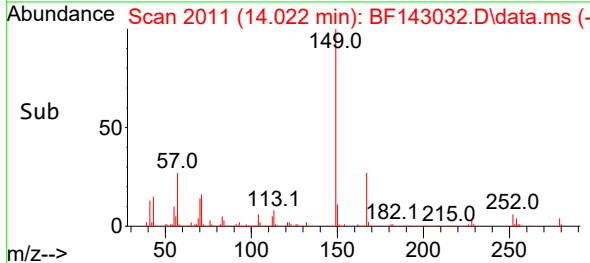
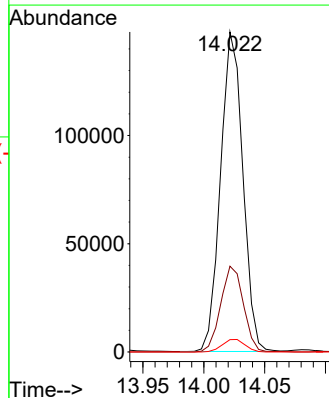
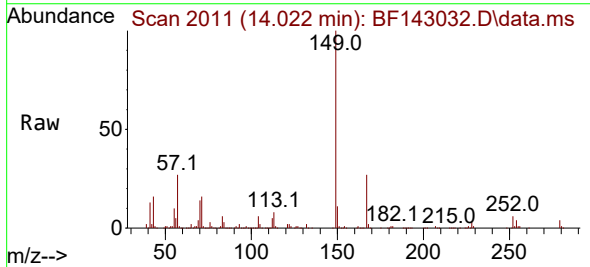
Instrument :
BNA_F
ClientSampleId :
TP-78MS

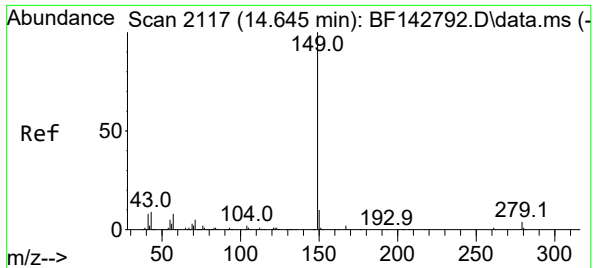
Tgt Ion:228 Resp: 290774
Ion Ratio Lower Upper
228 100
226 29.6 23.7 35.5
229 19.8 15.7 23.5



#84
Bis(2-ethylhexyl)phthalate
Concen: 49.223 ng
RT: 14.022 min Scan# 2011
Delta R.T. -0.006 min
Lab File: BF143032.D
Acq: 08 Jul 2025 14:32

Tgt Ion:149 Resp: 188029
Ion Ratio Lower Upper
149 100
167 26.8 21.4 32.0
279 3.9 3.0 4.6

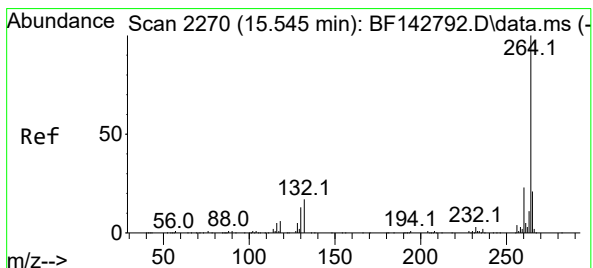
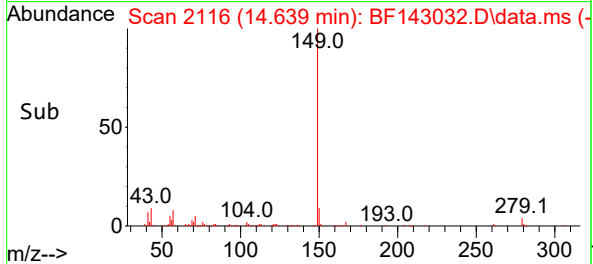
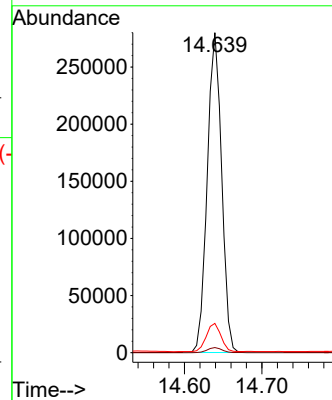
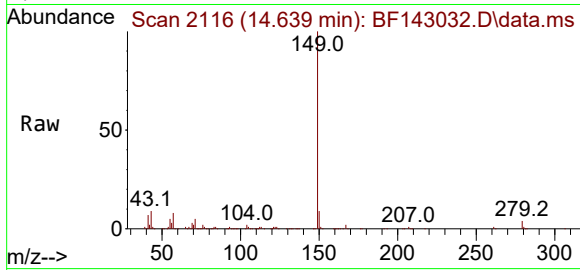




#85
Di-n-octyl phthalate
Concen: 50.053 ng
RT: 14.639 min Scan# 2117
Delta R.T. -0.006 min
Lab File: BF143032.D
Acq: 08 Jul 2025 14:32

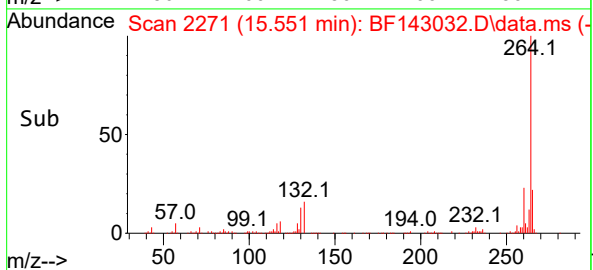
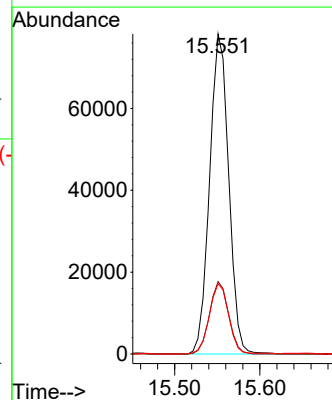
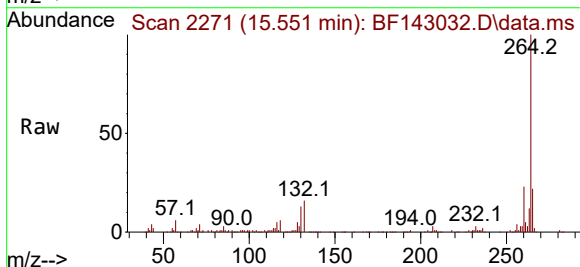
Instrument :
BNA_F
ClientSampleId :
TP-78MS

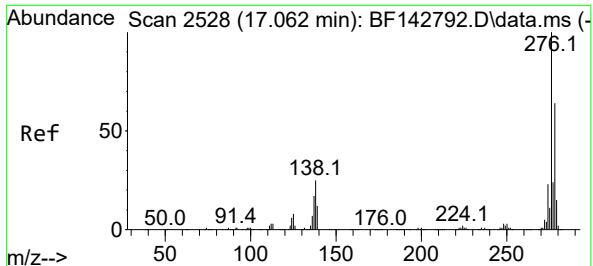
Tgt Ion:149 Resp: 360532
Ion Ratio Lower Upper
149 100
167 1.7 1.3 1.9
43 8.9 7.6 11.4



#86
Perylene-d12
Concen: 20.000 ng
RT: 15.551 min Scan# 2271
Delta R.T. 0.006 min
Lab File: BF143032.D
Acq: 08 Jul 2025 14:32

Tgt Ion:264 Resp: 121597
Ion Ratio Lower Upper
264 100
260 22.6 18.1 27.1
265 22.0 16.6 25.0

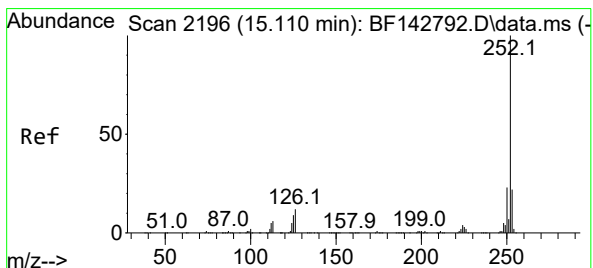
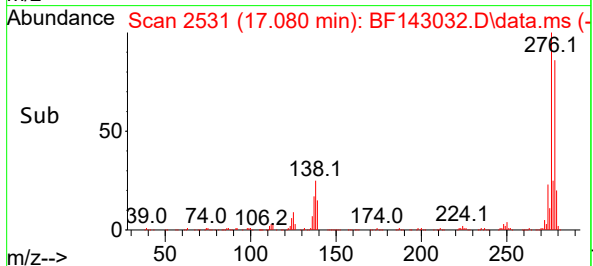
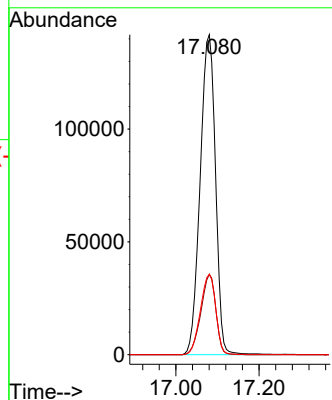
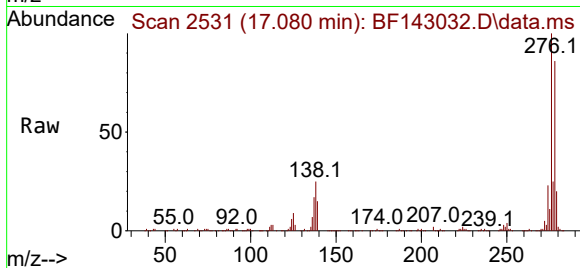




#87
Indeno(1,2,3-cd)pyrene
Concen: 39.272 ng
RT: 17.080 min Scan# 2197
Delta R.T. 0.018 min
Lab File: BF143032.D
Acq: 08 Jul 2025 14:32

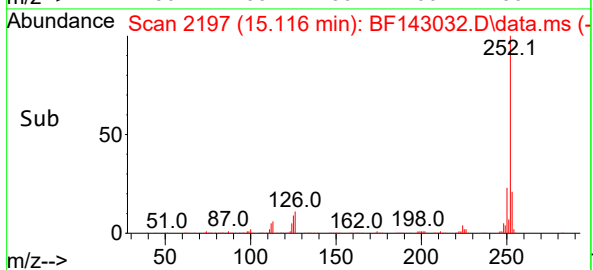
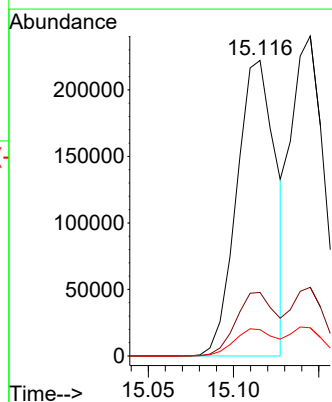
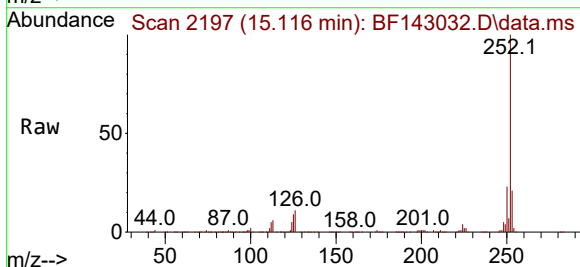
Instrument :
BNA_F
ClientSampleId :
TP-78MS

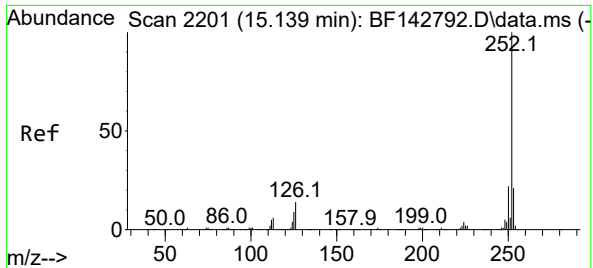
Tgt Ion:276 Resp: 363735
Ion Ratio Lower Upper
276 100
138 24.3 20.2 30.4
277 25.1 19.8 29.6



#88
Benzo(b)fluoranthene
Concen: 50.165 ng
RT: 15.116 min Scan# 2197
Delta R.T. 0.006 min
Lab File: BF143032.D
Acq: 08 Jul 2025 14:32

Tgt Ion:252 Resp: 352967
Ion Ratio Lower Upper
252 100
253 21.5 17.5 26.3
125 8.9 7.4 11.0





#89

Benzo(k)fluoranthene

Concen: 49.257 ng

RT: 15.145 min Scan# 2201

Delta R.T. 0.006 min

Lab File: BF143032.D

Acq: 08 Jul 2025 14:32

Instrument :

BNA_F

ClientSampleId :

TP-78MS

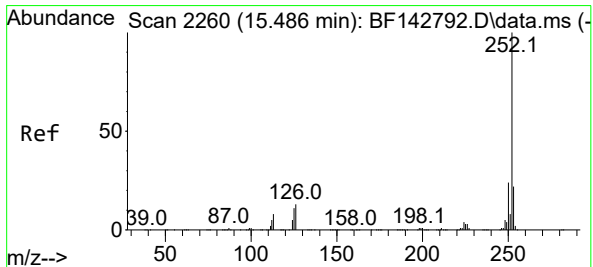
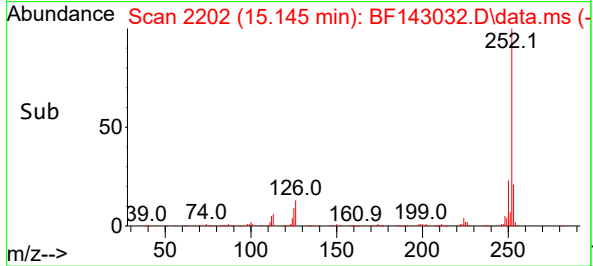
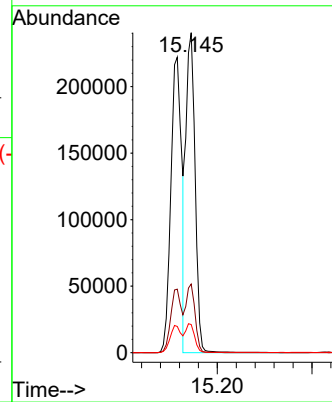
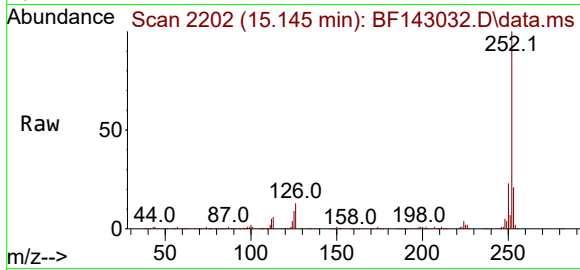
Tgt Ion:252 Resp: 324249

Ion Ratio Lower Upper

252 100

253 21.5 17.2 25.8

125 8.8 7.4 11.2



#90

Benzo(a)pyrene

Concen: 49.318 ng

RT: 15.492 min Scan# 2261

Delta R.T. 0.006 min

Lab File: BF143032.D

Acq: 08 Jul 2025 14:32

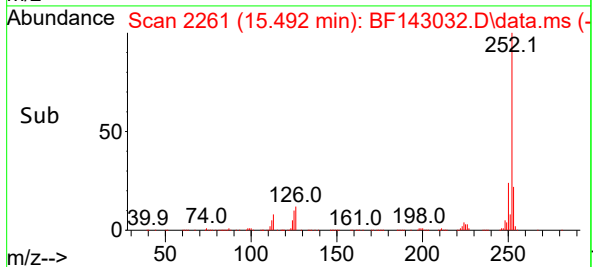
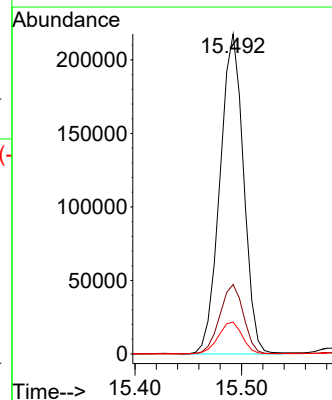
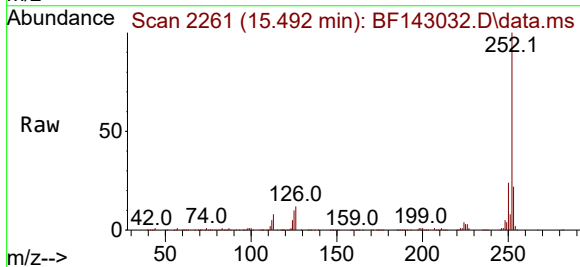
Tgt Ion:252 Resp: 335231

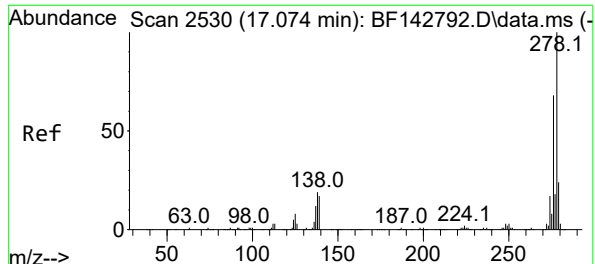
Ion Ratio Lower Upper

252 100

253 21.7 17.5 26.3

125 9.9 8.6 12.8





#91

Dibenzo(a,h)anthracene

Concen: 38.887 ng

RT: 17.086 min Scan# 21

Delta R.T. 0.012 min

Lab File: BF143032.D

Acq: 08 Jul 2025 14:32

Instrument :

BNA_F

ClientSampleId :

TP-78MS

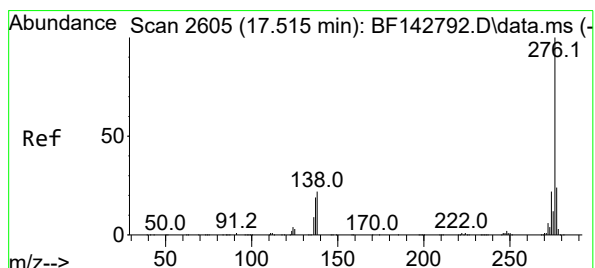
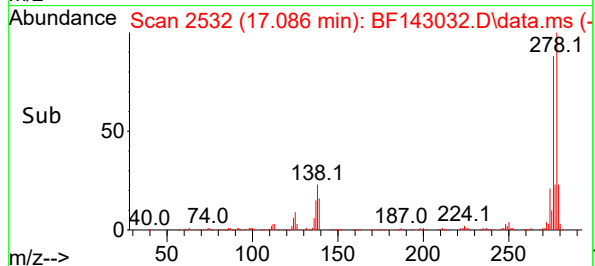
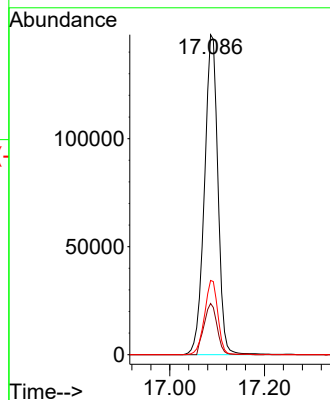
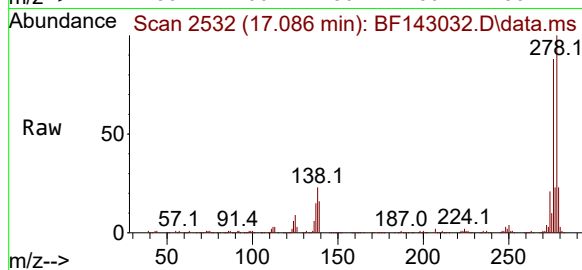
Tgt Ion:278 Resp: 292642

Ion Ratio Lower Upper

278 100

139 16.0 13.5 20.3

279 23.2 18.8 28.2



#92

Benzo(g,h,i)perylene

Concen: 36.569 ng

RT: 17.533 min Scan# 2608

Delta R.T. 0.018 min

Lab File: BF143032.D

Acq: 08 Jul 2025 14:32

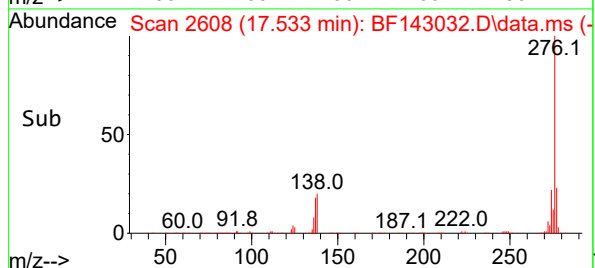
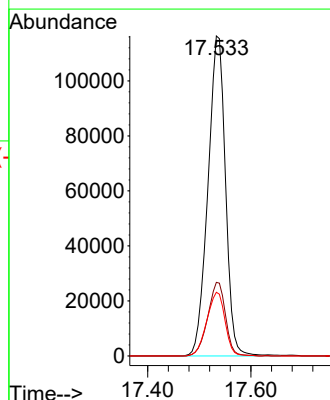
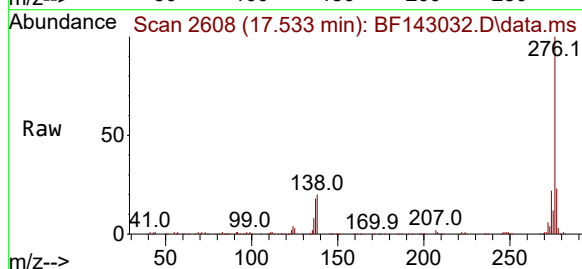
Tgt Ion:276 Resp: 274419

Ion Ratio Lower Upper

276 100

277 23.0 18.8 28.2

138 19.9 17.6 26.4



Report of Analysis

Client:	CDM Smith	Date Collected:	07/03/25
Project:	South River WM Replacement	Date Received:	07/03/25
Client Sample ID:	TP-78MSD	SDG No.:	Q2514
Lab Sample ID:	Q2514-08MSD	Matrix:	SOIL
Analytical Method:	8270E	% Solid:	86.3
Sample Wt/Vol:	30.05 Units: g	Final Vol:	1000 uL
Soil Aliquot Vol:	uL	Test:	SVOC-TCL BNA -20
Extraction Type :	Decanted : N	Level :	LOW
Injection Volume :	GPC Factor : 1.0	GPC Cleanup :	N PH :
Prep Method :	SW3541		

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
BF143033.D	1	07/07/25 09:00	07/08/25 15:03	PB168737

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units(Dry Weight)
TARGETS						
100-52-7	Benzaldehyde	1700		180	380	ug/Kg
108-95-2	Phenol	1600		25.6	200	ug/Kg
111-44-4	bis(2-Chloroethyl)ether	1700		28.1	200	ug/Kg
95-57-8	2-Chlorophenol	1700		28.2	200	ug/Kg
95-48-7	2-Methylphenol	1600		34.6	200	ug/Kg
108-60-1	2,2-oxybis(1-Chloropropane)	1500		43.4	200	ug/Kg
98-86-2	Acetophenone	1700		34.1	200	ug/Kg
65794-96-9	3+4-Methylphenols	1700		47.5	380	ug/Kg
621-64-7	n-Nitroso-di-n-propylamine	1600		54.8	92.5	ug/Kg
67-72-1	Hexachloroethane	1700		20.4	200	ug/Kg
98-95-3	Nitrobenzene	1600		21.2	200	ug/Kg
78-59-1	Isophorone	1600		37.9	200	ug/Kg
88-75-5	2-Nitrophenol	1700		67.3	200	ug/Kg
105-67-9	2,4-Dimethylphenol	1600		75.0	200	ug/Kg
111-91-1	bis(2-Chloroethoxy)methane	1700		35.6	200	ug/Kg
120-83-2	2,4-Dichlorophenol	1600		32.7	200	ug/Kg
91-20-3	Naphthalene	1700		26.3	200	ug/Kg
106-47-8	4-Chloroaniline	1200		41.0	200	ug/Kg
87-68-3	Hexachlorobutadiene	1700		29.3	200	ug/Kg
105-60-2	Caprolactam	1300		60.3	380	ug/Kg
59-50-7	4-Chloro-3-methylphenol	1600		33.2	200	ug/Kg
91-57-6	2-Methylnaphthalene	1700		29.6	200	ug/Kg
77-47-4	Hexachlorocyclopentadiene	2800		130	380	ug/Kg
88-06-2	2,4,6-Trichlorophenol	1600		22.9	200	ug/Kg
95-95-4	2,4,5-Trichlorophenol	1600		33.7	200	ug/Kg
92-52-4	1,1-Biphenyl	1700		25.2	200	ug/Kg
91-58-7	2-Chloronaphthalene	1700		26.0	200	ug/Kg
88-74-4	2-Nitroaniline	1700		55.6	200	ug/Kg
131-11-3	Dimethylphthalate	1700		31.3	200	ug/Kg

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File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
BF143033.D	1	07/07/25 09:00	07/08/25 15:03	PB168737

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units(Dry Weight)
208-96-8	Acenaphthylene	1700		33.4	200	ug/Kg
606-20-2	2,6-Dinitrotoluene	1700		38.9	200	ug/Kg
99-09-2	3-Nitroaniline	1300		53.2	200	ug/Kg
83-32-9	Acenaphthene	1700		24.6	200	ug/Kg
51-28-5	2,4-Dinitrophenol	1500		260	380	ug/Kg
100-02-7	4-Nitrophenol	2300		120	380	ug/Kg
132-64-9	Dibenzofuran	1700		26.3	200	ug/Kg
121-14-2	2,4-Dinitrotoluene	1600		58.0	200	ug/Kg
84-66-2	Diethylphthalate	1700		32.7	200	ug/Kg
7005-72-3	4-Chlorophenyl-phenylether	1700		30.9	200	ug/Kg
86-73-7	Fluorene	1700		29.3	200	ug/Kg
100-01-6	4-Nitroaniline	1600		74.3	200	ug/Kg
534-52-1	4,6-Dinitro-2-methylphenol	1300		120	380	ug/Kg
86-30-6	n-Nitrosodiphenylamine	1800		38.1	200	ug/Kg
101-55-3	4-Bromophenyl-phenylether	1800		32.2	200	ug/Kg
118-74-1	Hexachlorobenzene	1800		29.3	200	ug/Kg
1912-24-9	Atrazine	1800		39.3	200	ug/Kg
87-86-5	Pentachlorophenol	1900		59.3	380	ug/Kg
85-01-8	Phenanthrene	1700		24.2	200	ug/Kg
120-12-7	Anthracene	1700		38.5	200	ug/Kg
86-74-8	Carbazole	1700		36.1	200	ug/Kg
84-74-2	Di-n-butylphthalate	1900		55.4	200	ug/Kg
206-44-0	Fluoranthene	1600		34.7	200	ug/Kg
129-00-0	Pyrene	1300		41.6	200	ug/Kg
85-68-7	Butylbenzylphthalate	1800		82.6	200	ug/Kg
91-94-1	3,3-Dichlorobenzidine	1400		42.5	380	ug/Kg
56-55-3	Benzo(a)anthracene	1700		26.6	200	ug/Kg
218-01-9	Chrysene	1800		23.0	200	ug/Kg
117-81-7	Bis(2-ethylhexyl)phthalate	1800		68.5	200	ug/Kg
117-84-0	Di-n-octyl phthalate	1800		100	380	ug/Kg
205-99-2	Benzo(b)fluoranthene	1900		22.0	200	ug/Kg

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File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
BF143033.D	1	07/07/25 09:00	07/08/25 15:03	PB168737

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units(Dry Weight)
207-08-9	Benzo(k)fluoranthene	1800		25.9	200	ug/Kg
50-32-8	Benzo(a)pyrene	1800		34.1	200	ug/Kg
193-39-5	Indeno(1,2,3-cd)pyrene	1400		33.7	200	ug/Kg
53-70-3	Dibenzo(a,h)anthracene	1400		31.7	200	ug/Kg
191-24-2	Benzo(g,h,i)perylene	1300		29.7	200	ug/Kg
95-94-3	1,2,4,5-Tetrachlorobenzene	1800		29.6	200	ug/Kg
123-91-1	1,4-Dioxane	1300		52.3	200	ug/Kg
58-90-2	2,3,4,6-Tetrachlorophenol	1300		31.7	200	ug/Kg
SURROGATES						
367-12-4	2-Fluorophenol	71.8		18 - 112	48%	SPK: 150
13127-88-3	Phenol-d6	70.7		15 - 107	47%	SPK: 150
4165-60-0	Nitrobenzene-d5	45.9		18 - 107	46%	SPK: 100
321-60-8	2-Fluorobiphenyl	45.7		20 - 109	46%	SPK: 100
118-79-6	2,4,6-Tribromophenol	64.2		10 - 116	43%	SPK: 150
1718-51-0	Terphenyl-d14	34.1		10 - 105	34%	SPK: 100
INTERNAL STANDARDS						
3855-82-1	1,4-Dichlorobenzene-d4	51200	6.875			
1146-65-2	Naphthalene-d8	192000	8.157			
15067-26-2	Acenaphthene-d10	95500	9.916			
1517-22-2	Phenanthrene-d10	140000	11.41			
1719-03-5	Chrysene-d12	99200	14.057			
1520-96-3	Perylene-d12	123000	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 : BF143033.D
 Acq On : 08 Jul 2025 15:03
 Operator : RC/JU
 Sample : Q2514-08MSD
 Misc :
 ALS Vial : 10 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 TP-78MSD

Quant Time: Jul 08 15:23:16 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	51205	20.000	ng	0.00
21) Naphthalene-d8	8.157	136	192135	20.000	ng	-0.01
39) Acenaphthene-d10	9.916	164	95468	20.000	ng	0.00
64) Phenanthrene-d10	11.410	188	140156	20.000	ng	0.00
76) Chrysene-d12	14.057	240	99167	20.000	ng	0.00
86) Perylene-d12	15.551	264	122553	20.000	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.498	112	220678	71.753	ng	0.00
7) Phenol-d6	6.510	99	256713	70.749	ng	0.00
23) Nitrobenzene-d5	7.440	82	160751	45.891	ng	0.00
42) 2,4,6-Tribromophenol	10.710	330	63074	64.202	ng	0.00
45) 2-Fluorobiphenyl	9.234	172	332194	45.711	ng	-0.01
79) Terphenyl-d14	12.992	244	244393	34.051	ng	0.00
Target Compounds						
						Qvalue
2) 1,4-Dioxane	2.652	88	41425	33.675	ng	99
3) Pyridine	3.428	79	110840	35.941	ng	98
4) n-Nitrosodimethylamine	3.375	42	63480	39.806	ng	98
6) Aniline	6.534	93	173037	35.840	ng	# 83
8) 2-Chlorophenol	6.663	128	143342	43.206	ng	97
9) Benzaldehyde	6.422	77	95696	44.454	ng	99
10) Phenol	6.522	94	170076	42.167	ng	91
11) bis(2-Chloroethyl)ether	6.604	93	123783	42.940	ng	98
12) 1,3-Dichlorobenzene	6.816	146	156185	42.094	ng	99
13) 1,4-Dichlorobenzene	6.892	146	159155	42.516	ng	98
14) 1,2-Dichlorobenzene	7.045	146	152342	42.906	ng	99
15) Benzyl Alcohol	7.016	79	112578	42.917	ng	99
16) 2,2'-oxybis(1-Chloropr...	7.145	45	184664	39.872	ng	84
17) 2-Methylphenol	7.128	107	107053	42.580	ng	99
18) Hexachloroethane	7.387	117	56111	42.854	ng	95
19) n-Nitroso-di-n-propyla...	7.281	70	89720	42.514	ng	99
20) 3+4-Methylphenols	7.287	107	134533	42.918	ng	94
22) Acetophenone	7.281	105	189191	44.653	ng	99
24) Nitrobenzene	7.457	77	135358	42.694	ng	98
25) Isophorone	7.698	82	236004	42.000	ng	99
26) 2-Nitrophenol	7.775	139	77296	44.756	ng	98
27) 2,4-Dimethylphenol	7.810	122	127624m	42.661	ng	
28) bis(2-Chloroethoxy)met...	7.904	93	153437	42.951	ng	99
29) 2,4-Dichlorophenol	8.022	162	115869	42.716	ng	99
30) 1,2,4-Trichlorobenzene	8.098	180	127107	42.614	ng	100
31) Naphthalene	8.181	128	404703	43.032	ng	99
32) Benzoic acid	7.922	122	8865	5.814	ng	98
33) 4-Chloroaniline	8.228	127	123350	32.256	ng	98
34) Hexachlorobutadiene	8.292	225	80457	44.099	ng	99
35) Caprolactam	8.592	113	24702	34.511	ng	97
36) 4-Chloro-3-methylphenol	8.716	107	111296	41.285	ng	99
37) 2-Methylnaphthalene	8.875	142	253287	43.441	ng	100
38) 1-Methylnaphthalene	8.969	142	259322	42.965	ng	99
40) 1,2,4,5-Tetrachloroben...	9.039	216	128069	45.464	ng	100
41) Hexachlorocyclopentadiene	9.022	237	115000	71.940	ng	98
43) 2,4,6-Trichlorophenol	9.157	196	73987	40.307	ng	99

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF070825\
 Data File : BF143033.D
 Acq On : 08 Jul 2025 15:03
 Operator : RC/JU
 Sample : Q2514-08MSD
 Misc :
 ALS Vial : 10 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 TP-78MSD

Quant Time: Jul 08 15:23:16 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	79145	40.959	ng	98
46) 1,1'-Biphenyl	9.334	154	339559	45.026	ng	100
47) 2-Chloronaphthalene	9.363	162	252079	44.542	ng	99
48) 2-Nitroaniline	9.463	65	70330	44.327	ng	96
49) Acenaphthylene	9.781	152	410555	44.068	ng	99
50) Dimethylphthalate	9.633	163	271727	43.971	ng	100
51) 2,6-Dinitrotoluene	9.704	165	61211	45.104	ng	93
52) Acenaphthene	9.951	154	247761m	43.588	ng	
53) 3-Nitroaniline	9.875	138	51209	34.272	ng	97
54) 2,4-Dinitrophenol	9.986	184	26920	39.615	ng	98
55) Dibenzofuran	10.122	168	351286	43.098	ng	99
56) 4-Nitrophenol	10.045	139	61338	59.963	ng	97
57) 2,4-Dinitrotoluene	10.110	165	76627	42.508	ng	95
58) Fluorene	10.469	166	277382	43.574	ng	98
59) 2,3,4,6-Tetrachlorophenol	10.245	232	54216	34.809	ng	96
60) Diethylphthalate	10.333	149	266892	44.048	ng	100
61) 4-Chlorophenyl-phenyle...	10.457	204	132289	43.550	ng	99
62) 4-Nitroaniline	10.486	138	55501	40.614	ng	97
63) Azobenzene	10.616	77	243790	45.018	ng	96
65) 4,6-Dinitro-2-methylph...	10.522	198	28162	33.219	ng	99
66) n-Nitrosodiphenylamine	10.575	169	229029	47.150	ng	99
67) 4-Bromophenyl-phenylether	10.945	248	76388	47.889	ng	96
68) Hexachlorobenzene	11.016	284	84907	47.904	ng	98
69) Atrazine	11.104	200	59237	47.225	ng	99
70) Pentachlorophenol	11.216	266	44220	50.068	ng	97
71) Phenanthrene	11.433	178	341483	44.978	ng	100
72) Anthracene	11.486	178	348053	44.699	ng	100
73) Carbazole	11.639	167	287745	42.823	ng	100
74) Di-n-butylphthalate	11.963	149	337638	48.234	ng	100
75) Fluoranthene	12.622	202	304602	42.274	ng	100
77) Benzidine	12.745	184	205738	55.220	ng	99
78) Pyrene	12.851	202	306793	33.005	ng	100
80) Butylbenzylphthalate	13.463	149	124253	46.082	ng	97
81) Benzo(a)anthracene	14.045	228	297642	44.491	ng	99
82) 3,3'-Dichlorobenzidine	14.004	252	78228	36.051	ng	98
83) Chrysene	14.080	228	277545	46.494	ng	99
84) Bis(2-ethylhexyl)phtha...	14.021	149	180518	46.532	ng	100
85) Di-n-octyl phthalate	14.639	149	342049	46.759	ng	98
87) Indeno(1,2,3-cd)pyrene	17.080	276	336716	36.071	ng	98
88) Benzo(b)fluoranthene	15.115	252	341411	48.144	ng	100
89) Benzo(k)fluoranthene	15.145	252	308416	46.486	ng	99
90) Benzo(a)pyrene	15.492	252	320836	46.832	ng	99
91) Dibenzo(a,h)anthracene	17.092	278	271177	35.753	ng	99
92) Benzo(g,h,i)perylene	17.533	276	253133	33.469	ng	98

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

Instrument :
BNA_F
ClientSampleId :
TP-78MSD

Abundance

TIC: BF143033.D\data.ms

Time-->

1,4-Dioxane

n-Nitrosodiphenylamine

2-Fluorophenol,S

Benzaldehyde

Aniline

Phenol,C

Phenol-d6,S

Bis(2-Chloroethyl)phosphorothioate

1,3-Dichlorobenzene

1,4-Dichlorobenzene

1,2-Dichlorobenzene

1,2-Dichloroethane

1,2-Dichloroethane-d5,S

Nitrobenzene

Hexachlorocyclopentadiene

Isophorone

2,4-Dimethylphenol

2-Nitrophenol

2,4-Dinitrophenol

2,4,6-Trinitrophenol

4-Chlorophenol

4-Nitrophenol

4,6-Dinitro-2-methylphenol

4-Chloro-3-methylphenol

4-Chloro-2-methylphenol

2,4,6-Trichlorobenzene

Hexachlorobutadiene,C

Naphthalene

2-Methylnaphthalene

2,6-Dinitrophenol

2,4,6-Trinitrophenol

2-Chloronaphthalene

1,5-Diethylphenyl,S

Acenaphthylene

Acenaphthene,C

Dibenzofuran

n-Nitrosodiphenylamine,c

Fluoranthene

Anthracene

Anthracene-9,10-dione

Carbazole

Di-n-butylphthalate

Fluoranthene,C

Pyrene

Terphenyl-d14,S

Butylbenzylphthalate

3,3'-Dibenzobenzidine

3,3'-Dibenzobenzidine

3,3'-Dibenzobenzidine

Di-n-octyl phthalate,c

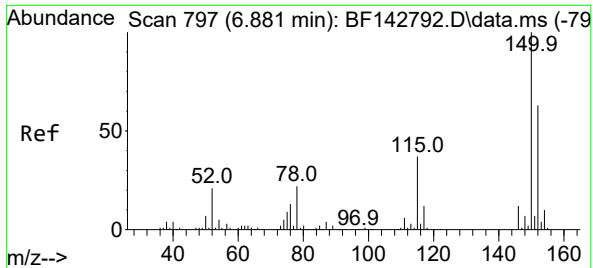
Benzo(a)anthracene

Benzo(a)pyrene,C

Perylene-d12,l

Benzo(g,h,i)perylene

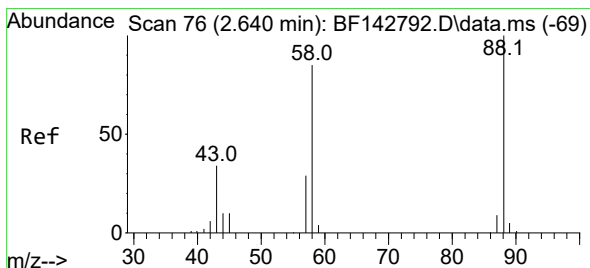
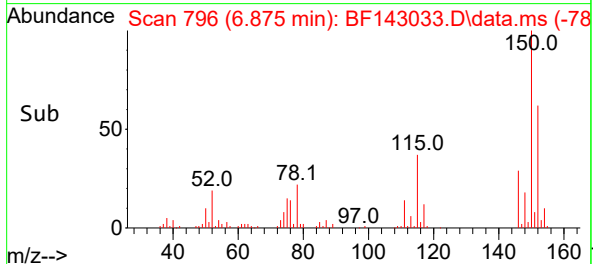
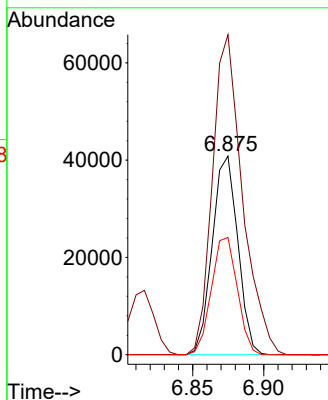
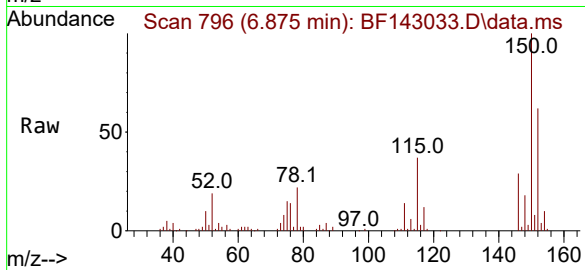
Benzo(a)anthracene



#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.875 min Scan# 79
Delta R.T. -0.006 min
Lab File: BF143033.D
Acq: 08 Jul 2025 15:03

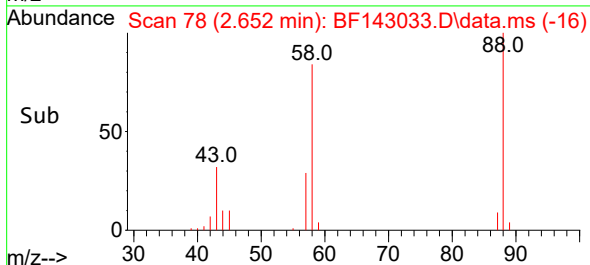
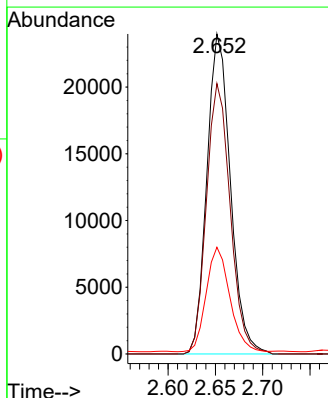
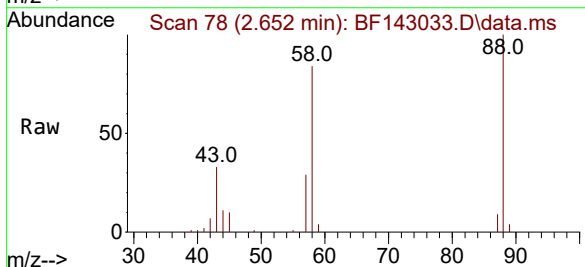
Instrument :
BNA_F
ClientSampleId :
TP-78MSD

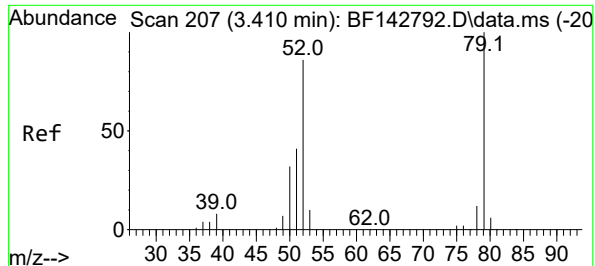
Tgt Ion:152 Resp: 51205
Ion Ratio Lower Upper
152 100
150 161.2 127.2 190.8
115 59.1 46.6 69.8



#2
1,4-Dioxane
Concen: 33.675 ng
RT: 2.652 min Scan# 78
Delta R.T. 0.012 min
Lab File: BF143033.D
Acq: 08 Jul 2025 15:03

Tgt Ion: 88 Resp: 41425
Ion Ratio Lower Upper
88 100
58 85.6 69.1 103.7
43 32.6 27.4 41.2

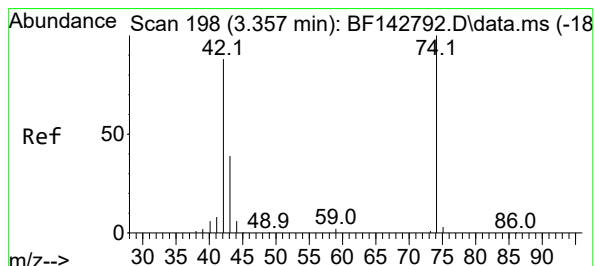
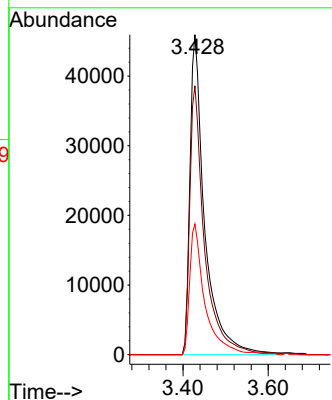
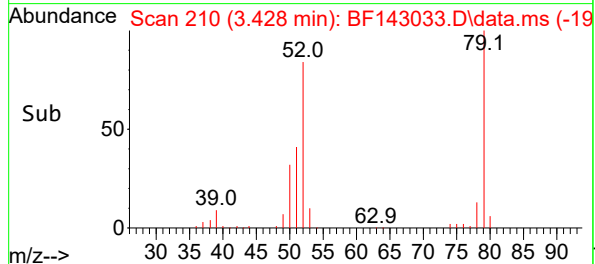
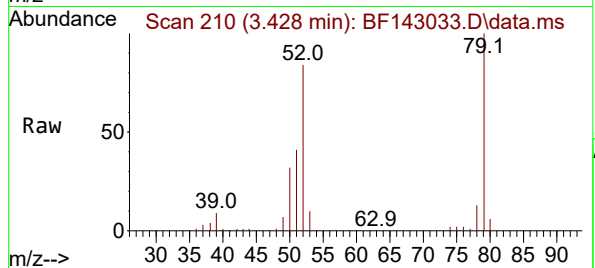




#3
Pyridine
Concen: 35.941 ng
RT: 3.428 min Scan# 210
Delta R.T. 0.018 min
Lab File: BF143033.D
Acq: 08 Jul 2025 15:03

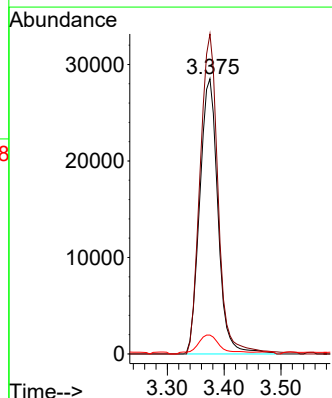
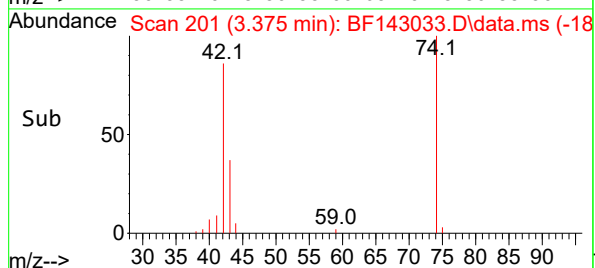
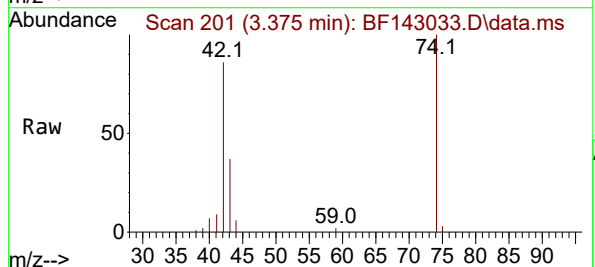
Instrument :
BNA_F
ClientSampleId :
TP-78MSD

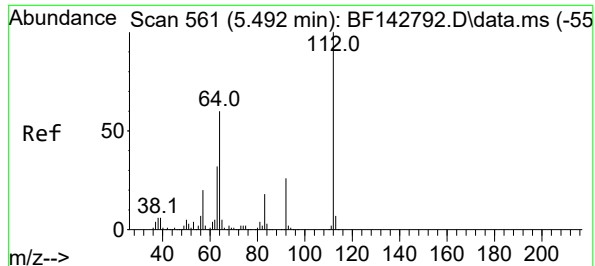
Tgt Ion: 79 Resp: 110840
Ion Ratio Lower Upper
79 100
52 84.1 69.2 103.8
51 40.9 33.2 49.8



#4
n-Nitrosodimethylamine
Concen: 39.806 ng
RT: 3.375 min Scan# 201
Delta R.T. 0.018 min
Lab File: BF143033.D
Acq: 08 Jul 2025 15:03

Tgt Ion: 42 Resp: 63480
Ion Ratio Lower Upper
42 100
74 116.3 90.9 136.3
44 6.9 5.8 8.6

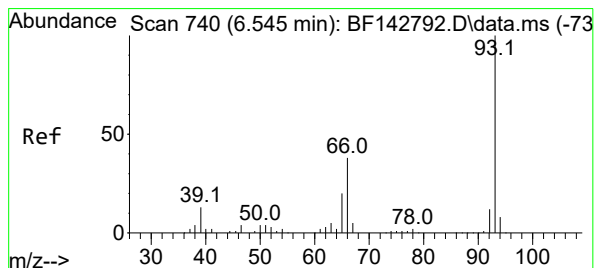
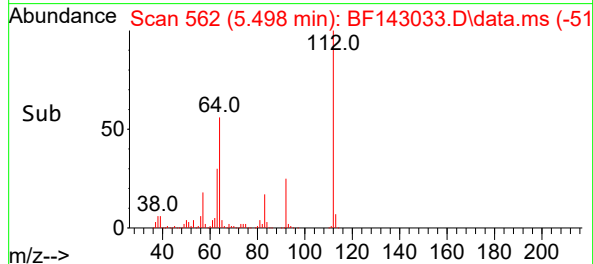
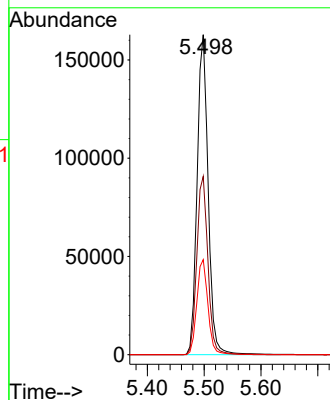
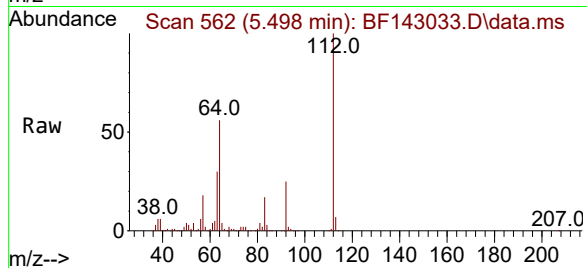




#5
2-Fluorophenol
Concen: 71.753 ng
RT: 5.498 min Scan# 501
Delta R.T. 0.006 min
Lab File: BF143033.D
Acq: 08 Jul 2025 15:03

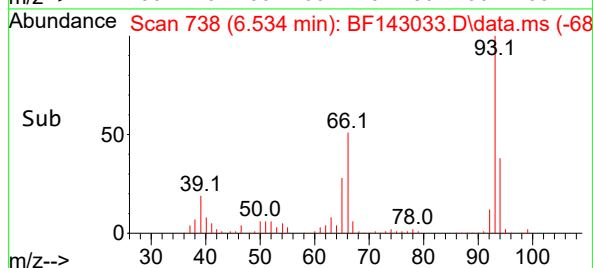
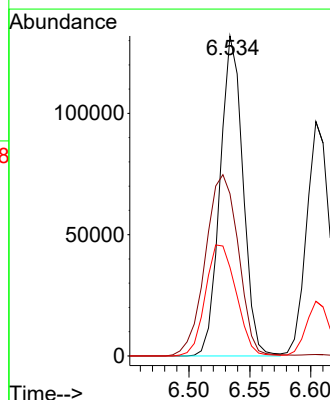
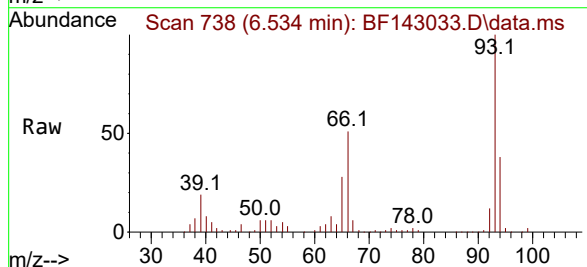
Instrument :
BNA_F
ClientSampleId :
TP-78MSD

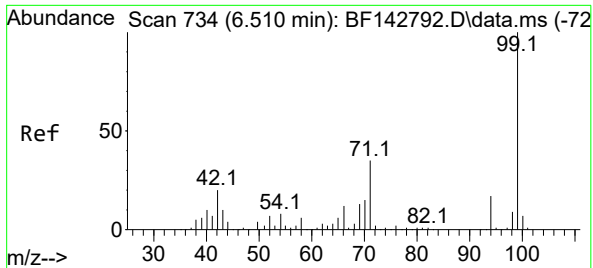
Tgt Ion:112 Resp: 220678
Ion Ratio Lower Upper
112 100
64 55.7 48.2 72.2
63 29.7 25.7 38.5



#6
Aniline
Concen: 35.840 ng
RT: 6.534 min Scan# 738
Delta R.T. -0.012 min
Lab File: BF143033.D
Acq: 08 Jul 2025 15:03

Tgt Ion: 93 Resp: 173037
Ion Ratio Lower Upper
93 100
66 50.7 31.8 47.6#
65 27.7 16.2 24.2#

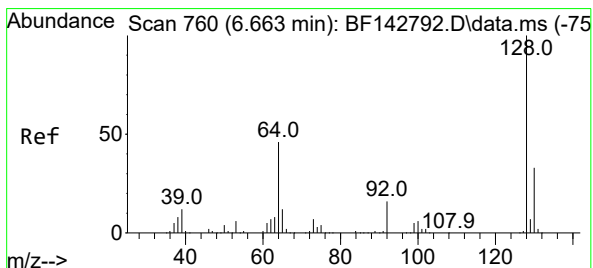
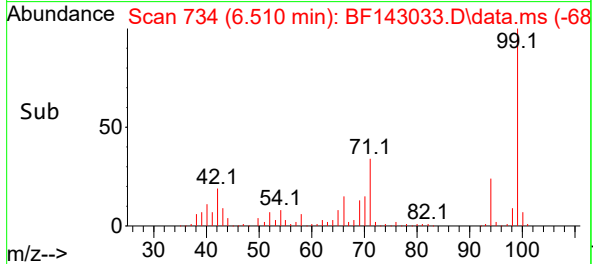
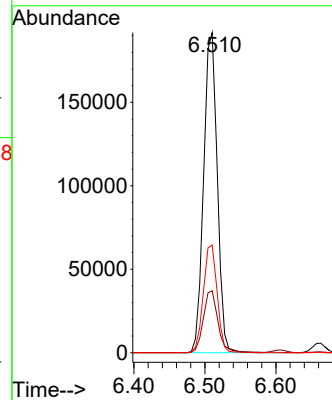
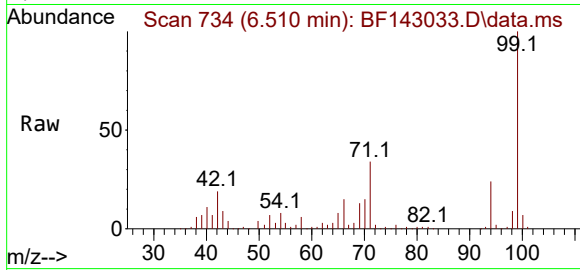




#7
Phenol-d6
Concen: 70.749 ng
RT: 6.510 min Scan# 710
Delta R.T. 0.000 min
Lab File: BF143033.D
Acq: 08 Jul 2025 15:03

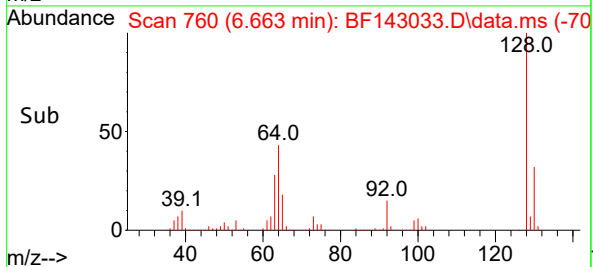
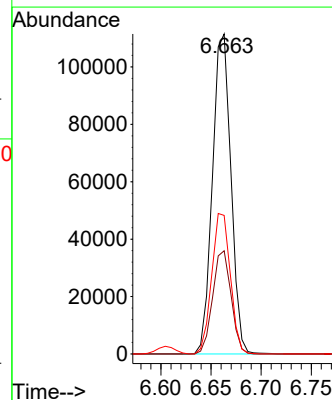
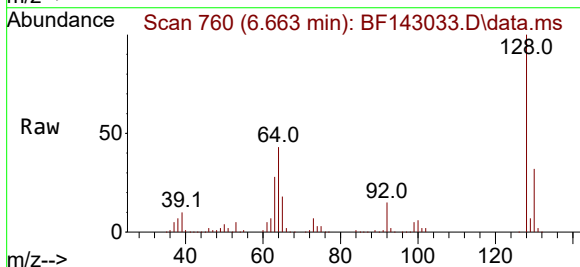
Instrument :
BNA_F
ClientSampleId :
TP-78MSD

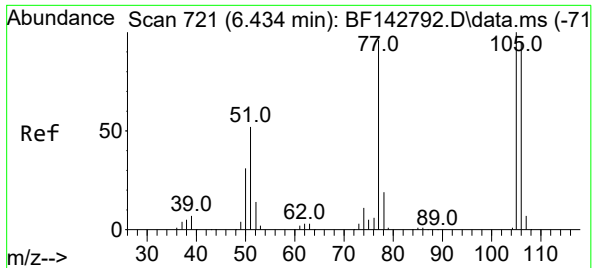
Tgt Ion: 99 Resp: 256713
Ion Ratio Lower Upper
99 100
42 19.3 15.9 23.9
71 33.7 27.8 41.8



#8
2-Chlorophenol
Concen: 43.206 ng
RT: 6.663 min Scan# 760
Delta R.T. 0.000 min
Lab File: BF143033.D
Acq: 08 Jul 2025 15:03

Tgt Ion: 128 Resp: 143342
Ion Ratio Lower Upper
128 100
130 32.3 12.7 52.7
64 43.3 26.5 66.5

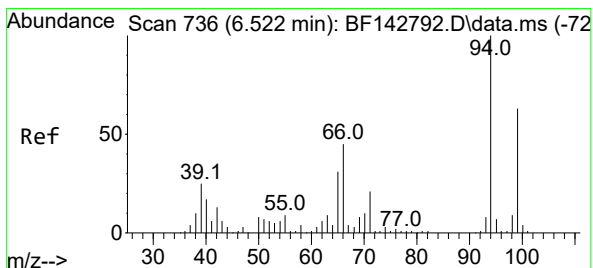
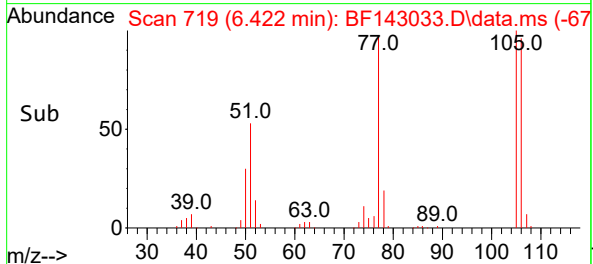
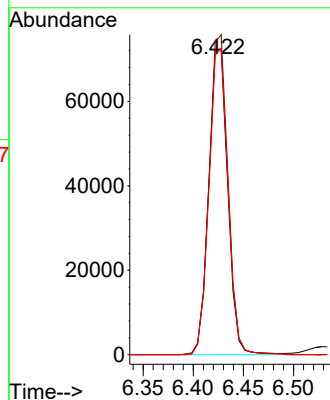
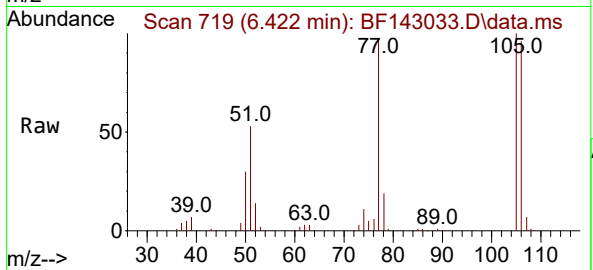




#9
Benzaldehyde
Concen: 44.454 ng
RT: 6.422 min Scan# 719
Delta R.T. -0.012 min
Lab File: BF143033.D
Acq: 08 Jul 2025 15:03

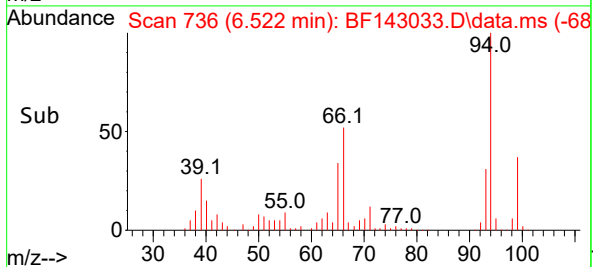
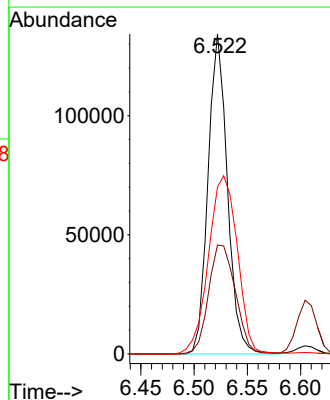
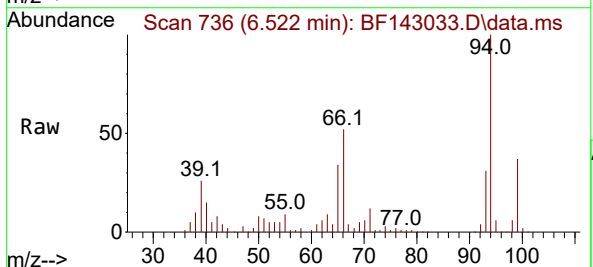
Instrument :
BNA_F
ClientSampleId :
TP-78MSD

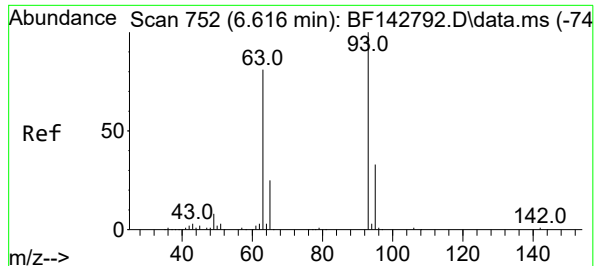
Tgt Ion: 77 Resp: 95696
Ion Ratio Lower Upper
77 100
105 102.6 83.8 123.8
106 98.1 78.7 118.7



#10
Phenol
Concen: 42.167 ng
RT: 6.522 min Scan# 736
Delta R.T. 0.000 min
Lab File: BF143033.D
Acq: 08 Jul 2025 15:03

Tgt Ion: 94 Resp: 170076
Ion Ratio Lower Upper
94 100
65 34.1 11.3 51.3
66 52.2 24.9 64.9

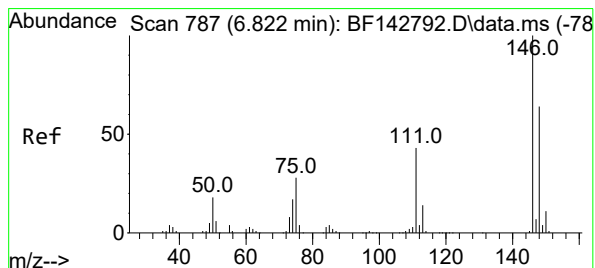
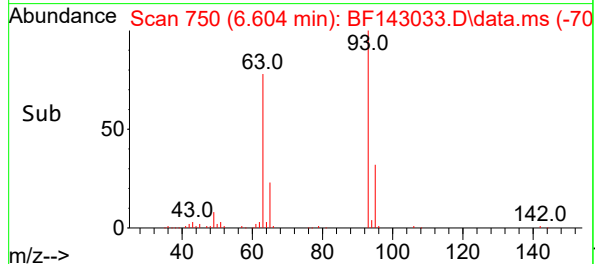
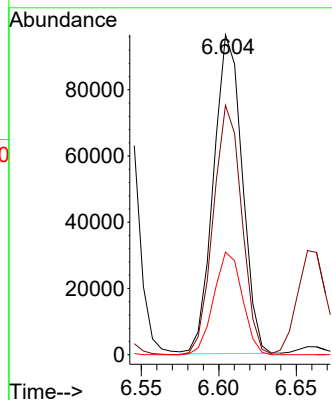
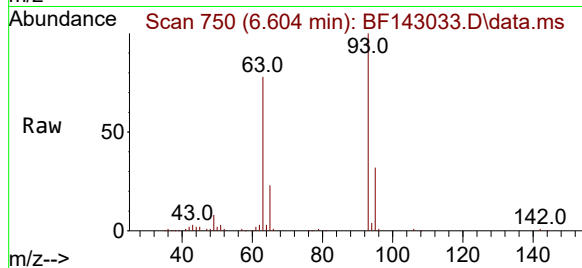




#11
bis(2-Chloroethyl)ether
Concen: 42.940 ng
RT: 6.604 min Scan# 750
Delta R.T. -0.012 min
Lab File: BF143033.D
Acq: 08 Jul 2025 15:03

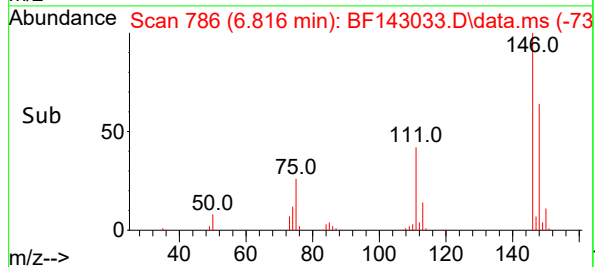
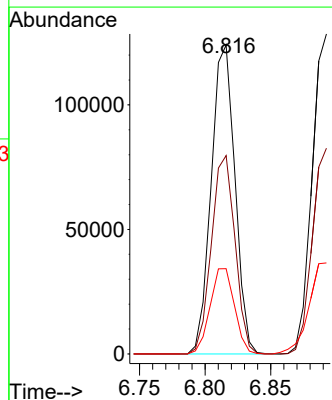
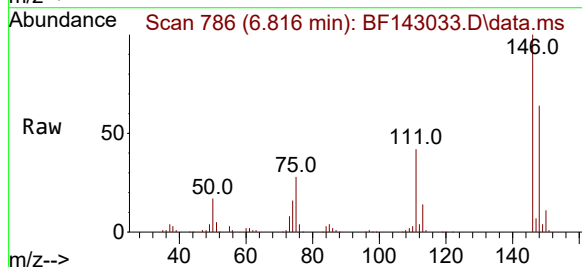
Instrument :
BNA_F
ClientSampleId :
TP-78MSD

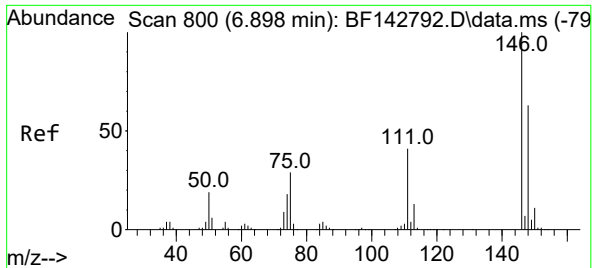
Tgt Ion: 93 Resp: 123783
Ion Ratio Lower Upper
93 100
63 78.0 60.3 100.3
95 32.1 12.5 52.5



#12
1,3-Dichlorobenzene
Concen: 42.094 ng
RT: 6.816 min Scan# 786
Delta R.T. -0.006 min
Lab File: BF143033.D
Acq: 08 Jul 2025 15:03

Tgt Ion:146 Resp: 156185
Ion Ratio Lower Upper
146 100
148 64.3 51.1 76.7
75 27.6 22.7 34.1





#13

1,4-Dichlorobenzene

Concen: 42.516 ng

RT: 6.892 min Scan# 79

Delta R.T. -0.006 min

Lab File: BF143033.D

Acq: 08 Jul 2025 15:03

Instrument :

BNA_F

ClientSampleId :

TP-78MSD

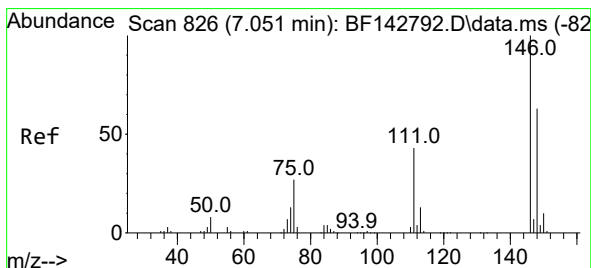
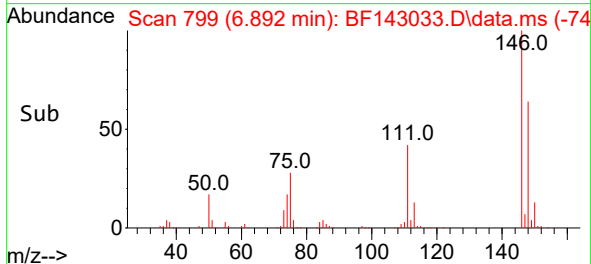
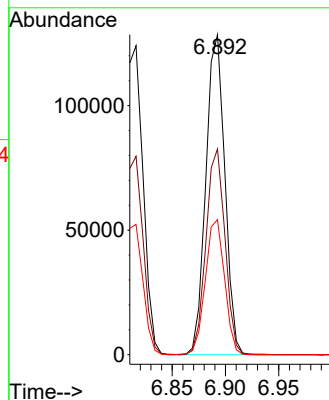
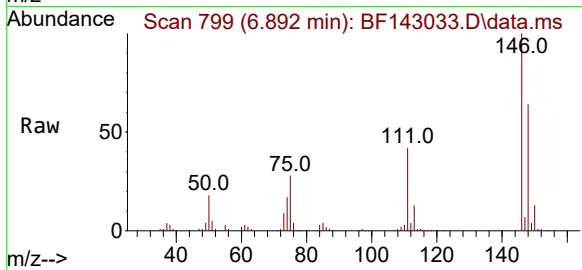
Tgt Ion:146 Resp: 159155

Ion Ratio Lower Upper

146 100

148 64.3 50.2 75.2

111 42.2 33.2 49.8



#14

1,2-Dichlorobenzene

Concen: 42.906 ng

RT: 7.045 min Scan# 825

Delta R.T. -0.006 min

Lab File: BF143033.D

Acq: 08 Jul 2025 15:03

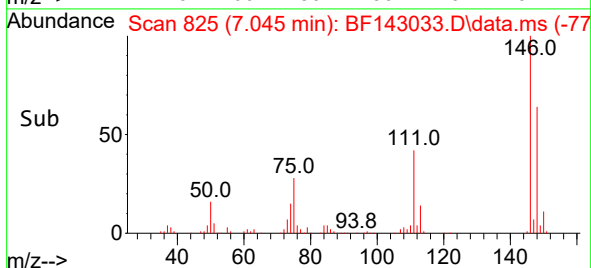
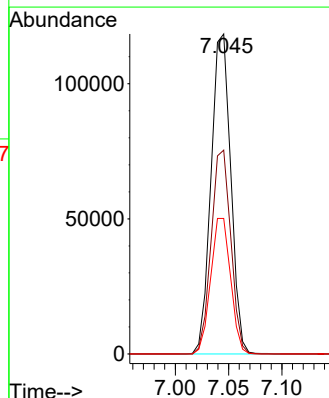
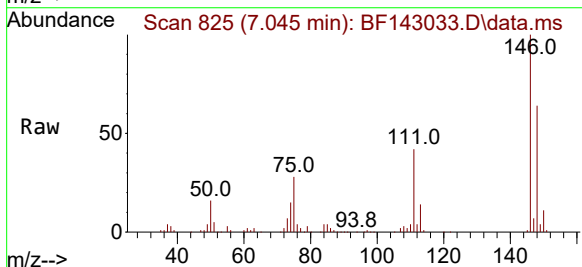
Tgt Ion:146 Resp: 152342

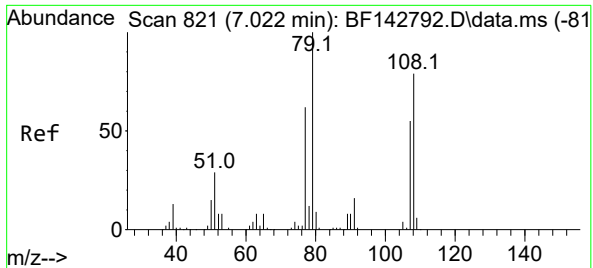
Ion Ratio Lower Upper

146 100

148 63.7 50.4 75.6

111 42.4 34.1 51.1





#15

Benzyl Alcohol

Concen: 42.917 ng

RT: 7.016 min Scan# 81

Delta R.T. -0.006 min

Lab File: BF143033.D

Acq: 08 Jul 2025 15:03

Instrument :

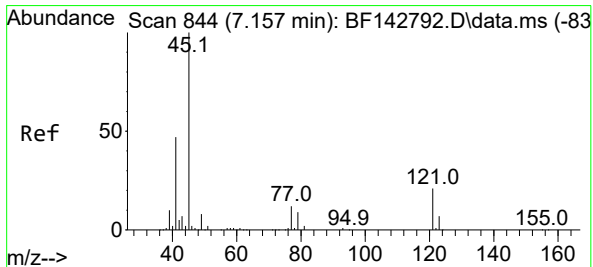
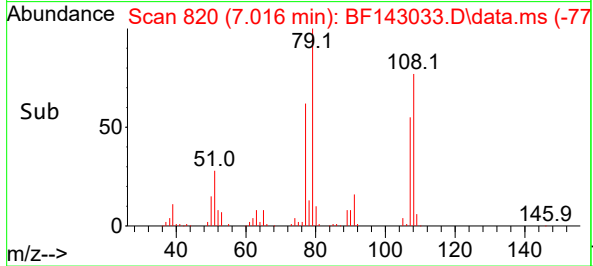
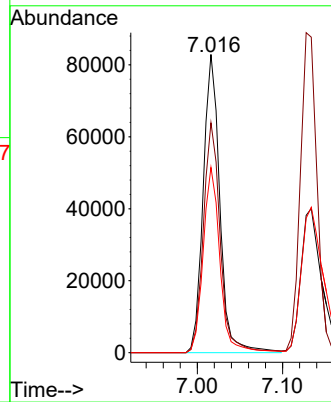
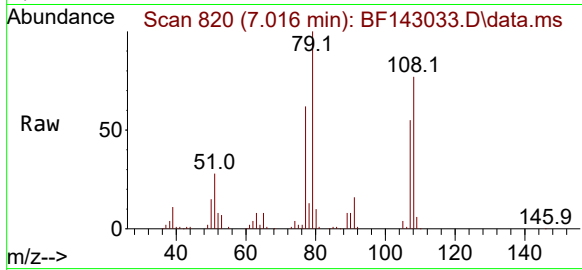
BNA_F

ClientSampleId :

TP-78MSD

Tgt Ion: 79 Resp: 112578

Ion	Ratio	Lower	Upper
79	100		
108	77.1	63.4	95.0
77	62.1	49.5	74.3



#16

2,2'-oxybis(1-Chloropropane)

Concen: 39.872 ng

RT: 7.145 min Scan# 842

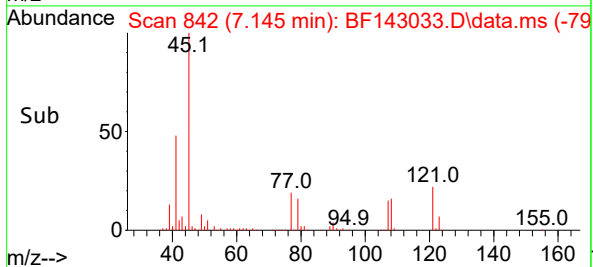
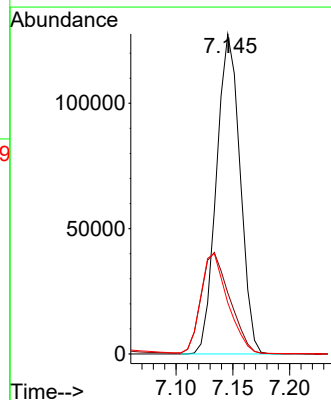
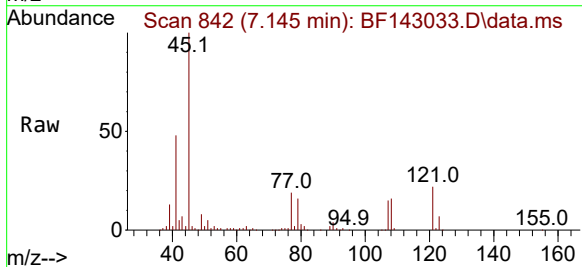
Delta R.T. -0.012 min

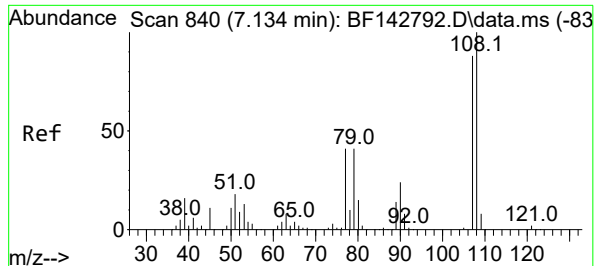
Lab File: BF143033.D

Acq: 08 Jul 2025 15:03

Tgt Ion: 45 Resp: 184664

Ion	Ratio	Lower	Upper
45	100		
77	19.1	0.0	32.8
79	16.0	0.0	29.8

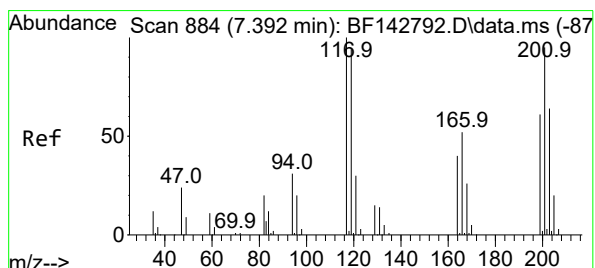
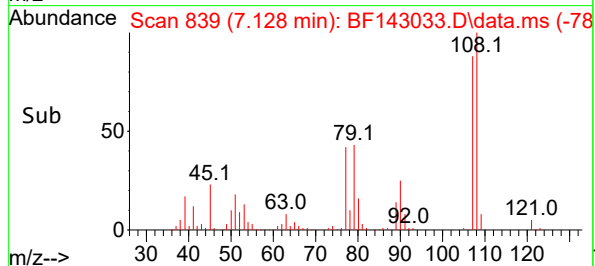
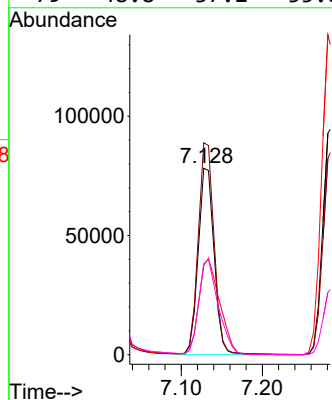
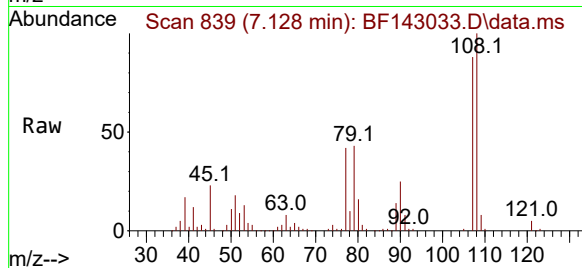




#17
2-Methylphenol
Concen: 42.580 ng
RT: 7.128 min Scan# 81
Delta R.T. -0.006 min
Lab File: BF143033.D
Acq: 08 Jul 2025 15:03

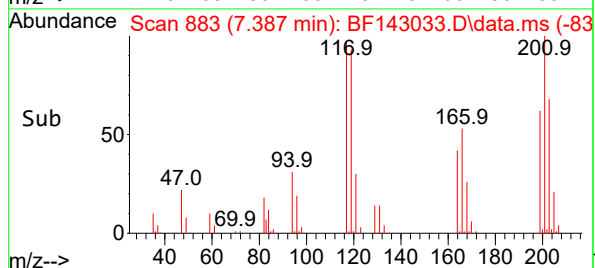
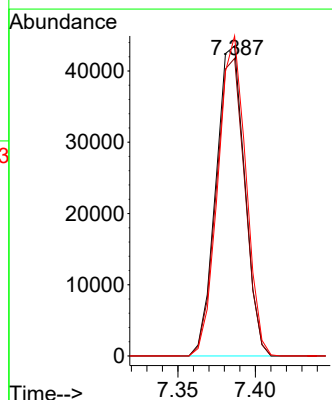
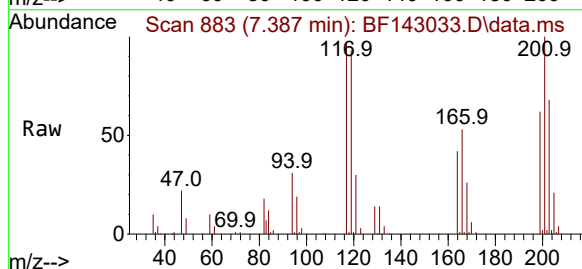
Instrument :
BNA_F
ClientSampleId :
TP-78MSD

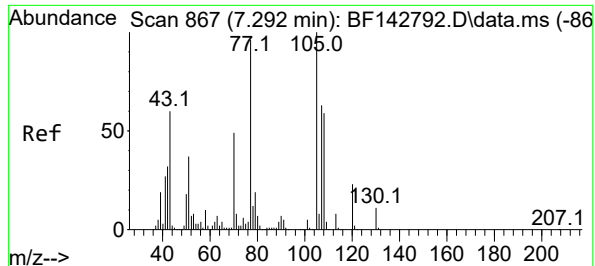
Tgt Ion:107 Resp: 107053
Ion Ratio Lower Upper
107 100
108 113.7 90.9 136.3
77 47.8 37.3 55.9
79 48.8 37.2 55.8



#18
Hexachloroethane
Concen: 42.854 ng
RT: 7.387 min Scan# 883
Delta R.T. -0.006 min
Lab File: BF143033.D
Acq: 08 Jul 2025 15:03

Tgt Ion:117 Resp: 56111
Ion Ratio Lower Upper
117 100
119 96.0 75.4 113.0
201 103.2 75.9 113.9





#19

n-Nitroso-di-n-propylamine

Concen: 42.514 ng

RT: 7.281 min Scan# 865

Delta R.T. -0.012 min

Lab File: BF143033.D

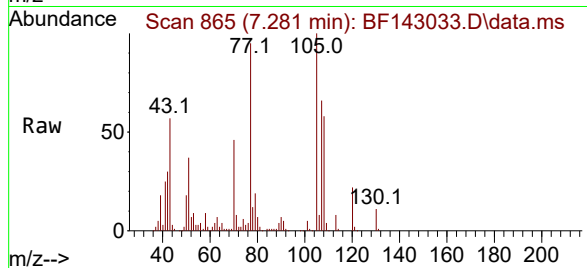
Acq: 08 Jul 2025 15:03

Instrument :

BNA_F

ClientSampleId :

TP-78MSD



Tgt Ion: 70 Resp: 89720

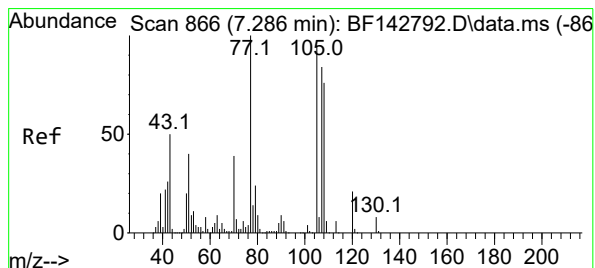
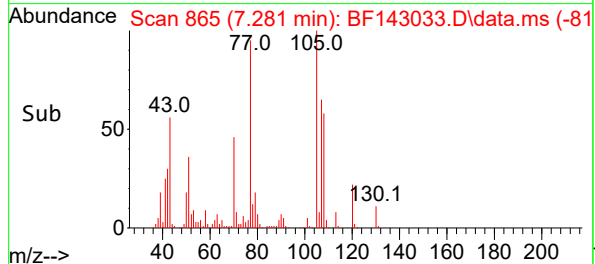
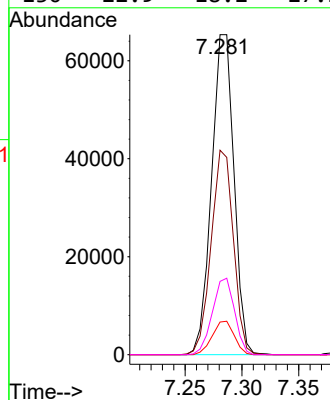
Ion Ratio Lower Upper

70 100

42 63.9 52.1 78.1

101 10.2 8.2 12.2

130 22.9 18.2 27.2



#20

3+4-Methylphenols

Concen: 42.918 ng

RT: 7.287 min Scan# 866

Delta R.T. 0.000 min

Lab File: BF143033.D

Acq: 08 Jul 2025 15:03

Tgt Ion:107 Resp: 134533

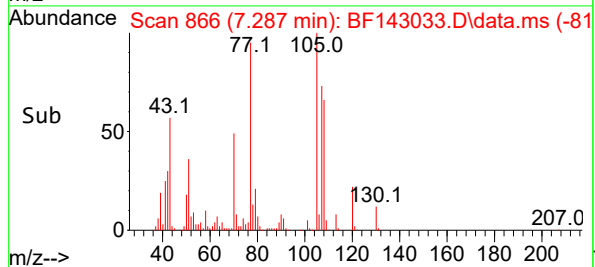
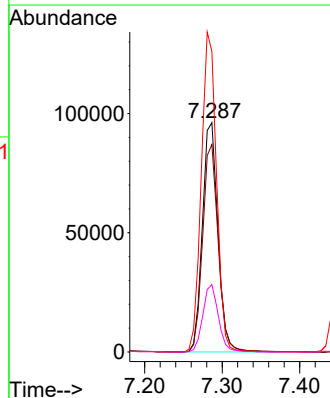
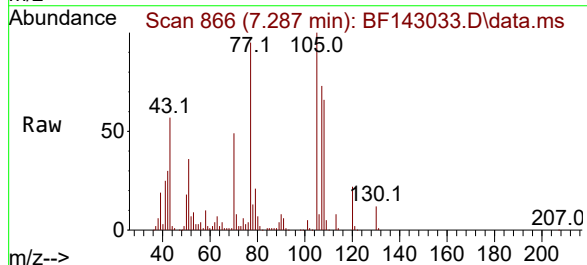
Ion Ratio Lower Upper

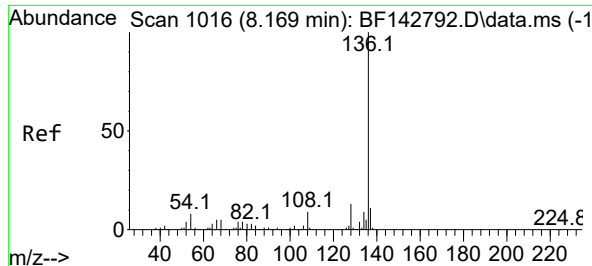
107 100

108 90.6 70.0 110.0

77 131.0 98.5 138.5

79 29.4 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: BF143033.D

Acq: 08 Jul 2025 15:03

Instrument :

BNA_F

ClientSampleId :

TP-78MSD

Tgt Ion:136 Resp: 192135

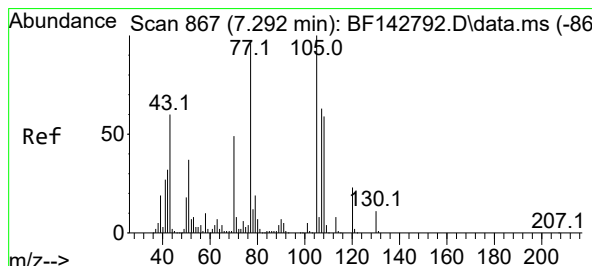
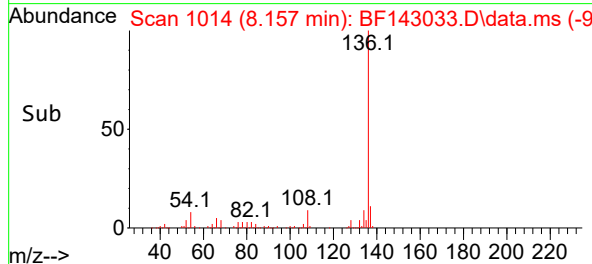
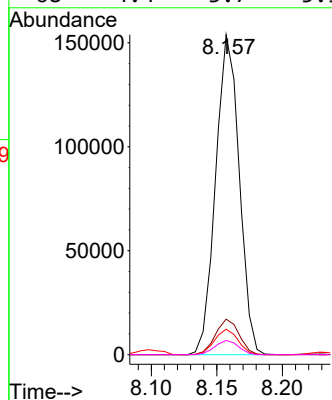
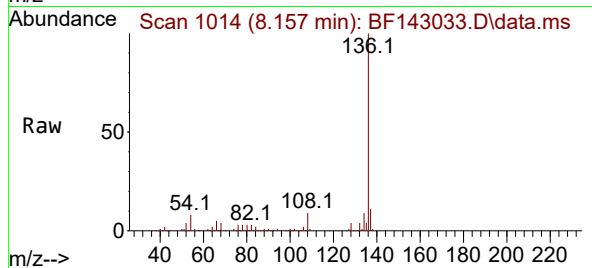
Ion Ratio Lower Upper

136 100

137 11.1 8.4 12.6

54 7.9 6.3 9.5

68 4.4 3.7 5.5



#22

Acetophenone

Concen: 44.653 ng

RT: 7.281 min Scan# 865

Delta R.T. -0.012 min

Lab File: BF143033.D

Acq: 08 Jul 2025 15:03

Tgt Ion:105 Resp: 189191

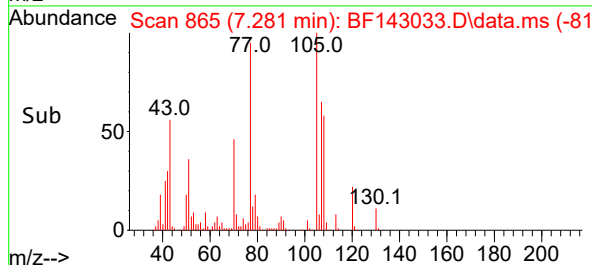
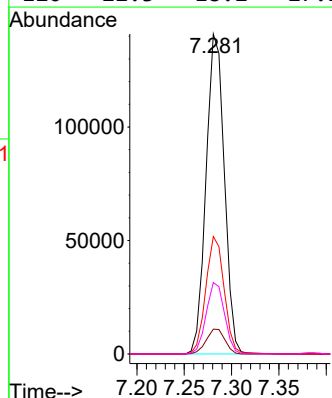
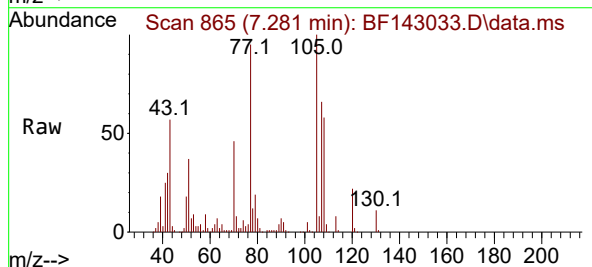
Ion Ratio Lower Upper

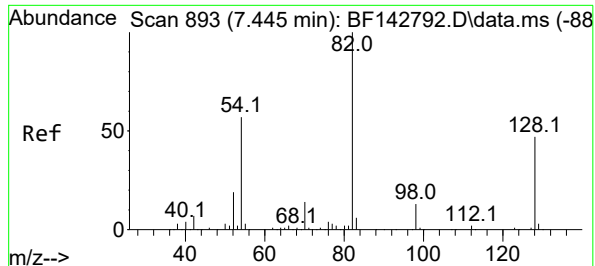
105 100

71 7.8 6.5 9.7

51 36.7 29.8 44.8

120 22.3 18.2 27.2





#23

Nitrobenzene-d5

Concen: 45.891 ng

RT: 7.440 min Scan# 891

Delta R.T. -0.005 min

Lab File: BF143033.D

Acq: 08 Jul 2025 15:03

Instrument :

BNA_F

ClientSampleId :

TP-78MSD

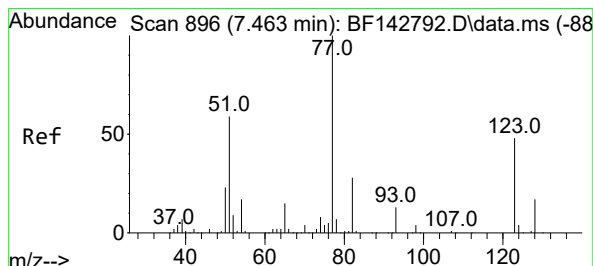
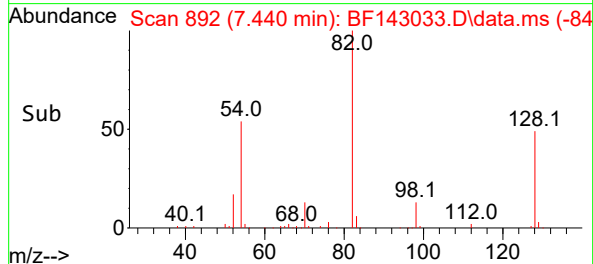
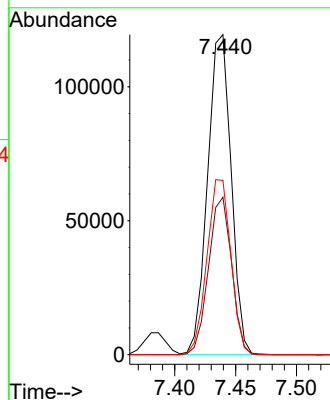
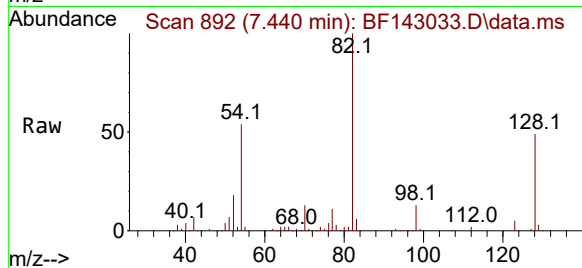
Tgt Ion: 82 Resp: 160751

Ion Ratio Lower Upper

82 100

128 49.2 37.7 56.5

54 54.5 45.7 68.5



#24

Nitrobenzene

Concen: 42.694 ng

RT: 7.457 min Scan# 895

Delta R.T. -0.006 min

Lab File: BF143033.D

Acq: 08 Jul 2025 15:03

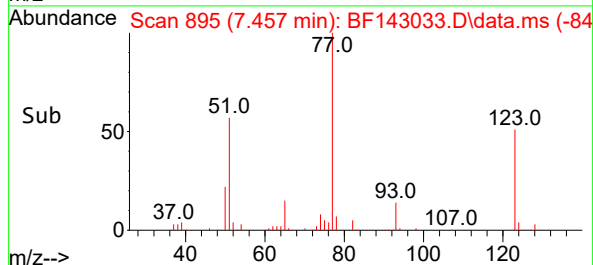
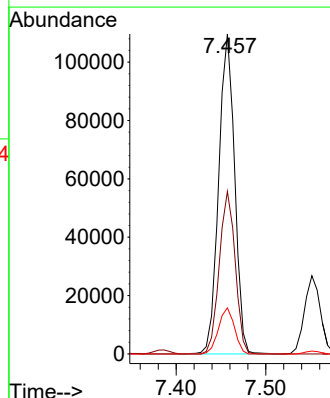
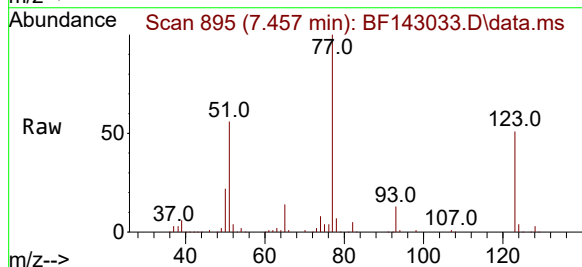
Tgt Ion: 77 Resp: 135358

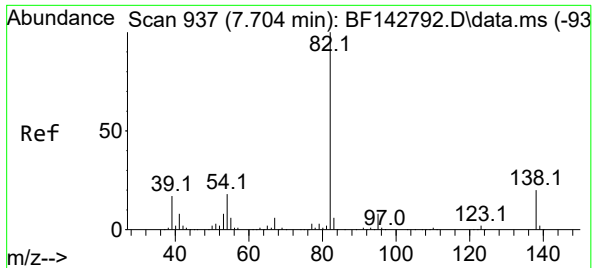
Ion Ratio Lower Upper

77 100

123 50.8 39.2 58.8

65 14.4 11.6 17.4

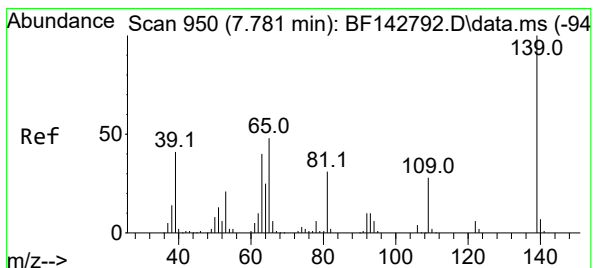
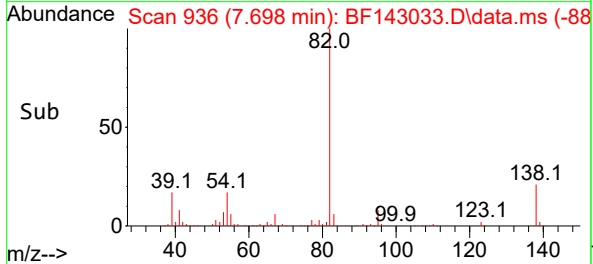
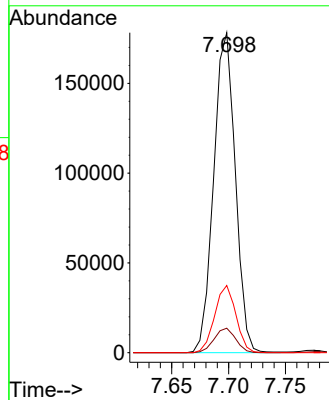
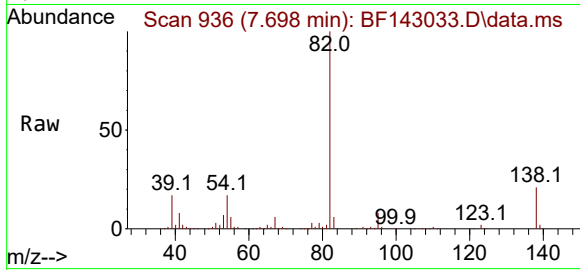




#25
Isophorone
Concen: 42.000 ng
RT: 7.698 min Scan# 91
Delta R.T. -0.006 min
Lab File: BF143033.D
Acq: 08 Jul 2025 15:03

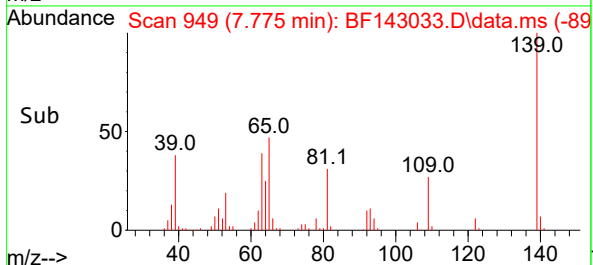
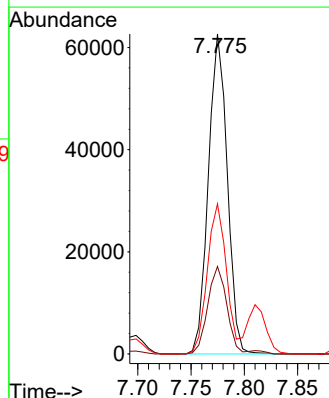
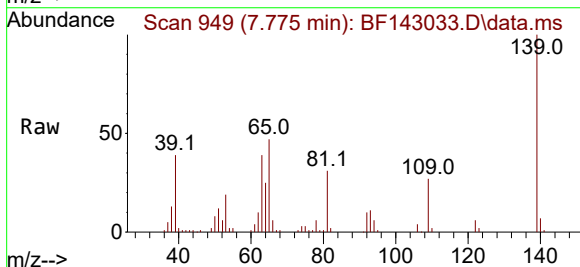
Instrument :
BNA_F
ClientSampleId :
TP-78MSD

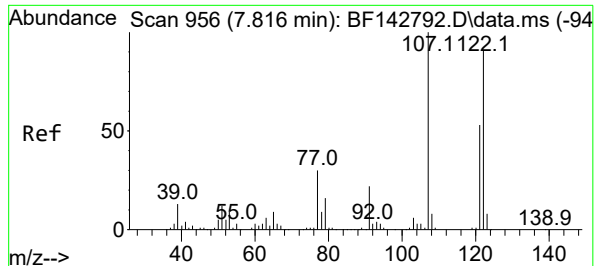
Tgt Ion: 82 Resp: 236004
Ion Ratio Lower Upper
82 100
95 7.7 6.2 9.2
138 21.0 16.2 24.4



#26
2-Nitrophenol
Concen: 44.756 ng
RT: 7.775 min Scan# 949
Delta R.T. -0.006 min
Lab File: BF143033.D
Acq: 08 Jul 2025 15:03

Tgt Ion:139 Resp: 77296
Ion Ratio Lower Upper
139 100
109 27.4 22.7 34.1
65 46.9 38.6 58.0





#27

2,4-Dimethylphenol

Concen: 42.661 ng m

RT: 7.810 min Scan# 91

Delta R.T. -0.006 min

Lab File: BF143033.D

Acq: 08 Jul 2025 15:03

Instrument :

BNA_F

ClientSampleId :

TP-78MSD

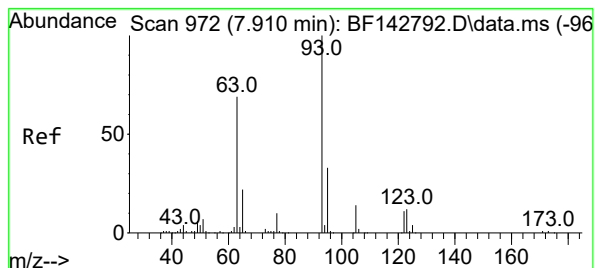
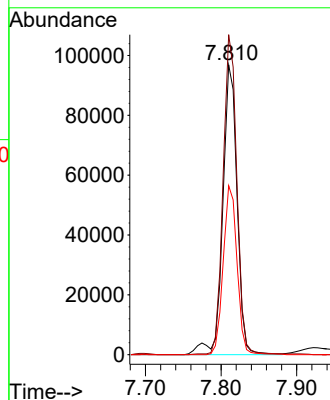
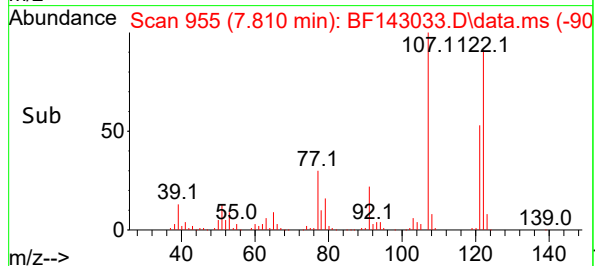
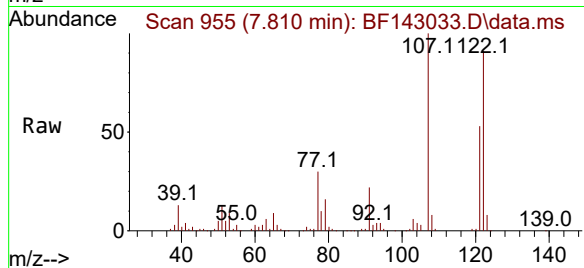
Tgt Ion:122 Resp: 127624

Ion Ratio Lower Upper

122 100

107 110.4 88.0 132.0

121 58.3 46.3 69.5



#28

bis(2-Chloroethoxy)methane

Concen: 42.951 ng

RT: 7.904 min Scan# 971

Delta R.T. -0.006 min

Lab File: BF143033.D

Acq: 08 Jul 2025 15:03

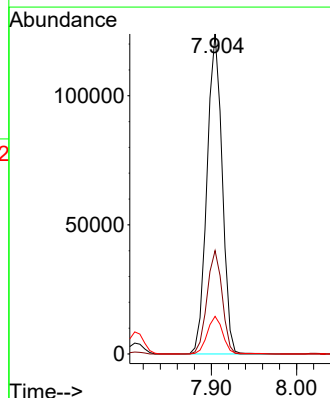
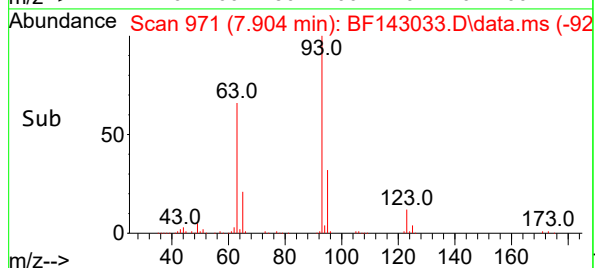
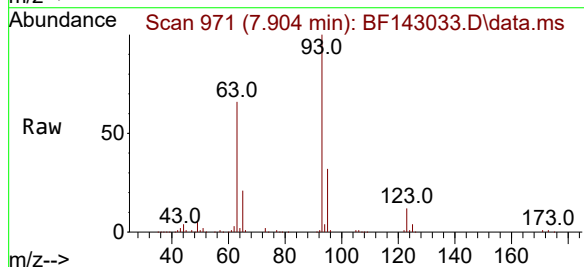
Tgt Ion: 93 Resp: 153437

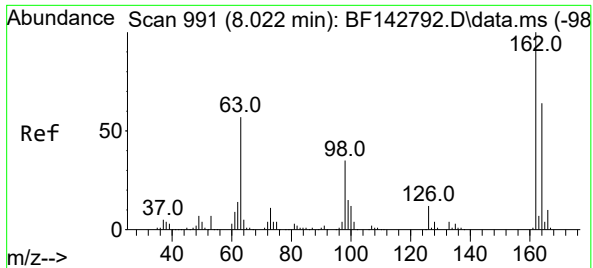
Ion Ratio Lower Upper

93 100

95 32.3 26.2 39.2

123 11.8 9.9 14.9





#29

2,4-Dichlorophenol

Concen: 42.716 ng

RT: 8.022 min Scan# 991

Delta R.T. 0.000 min

Lab File: BF143033.D

Acq: 08 Jul 2025 15:03

Instrument :

BNA_F

ClientSampleId :

TP-78MSD

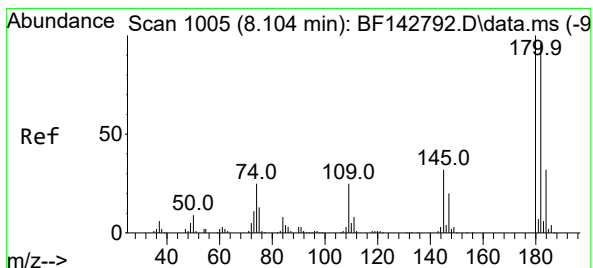
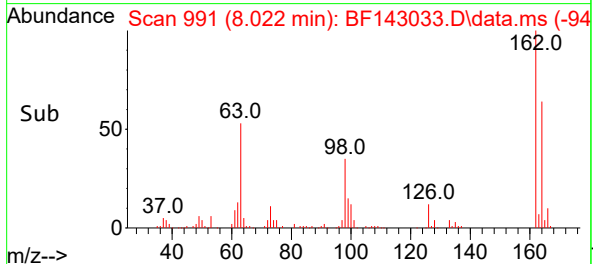
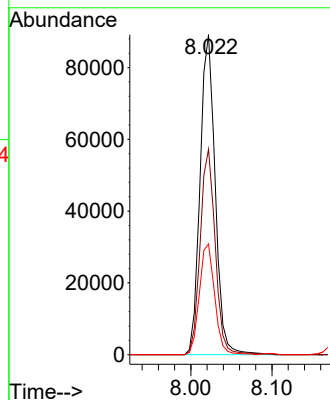
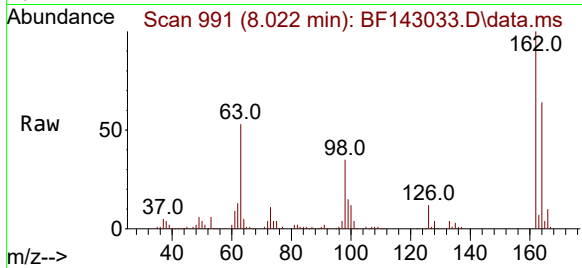
Tgt Ion:162 Resp: 115869

Ion Ratio Lower Upper

162 100

164 64.2 44.0 84.0

98 34.6 15.4 55.4



#30

1,2,4-Trichlorobenzene

Concen: 42.614 ng

RT: 8.098 min Scan# 1004

Delta R.T. -0.006 min

Lab File: BF143033.D

Acq: 08 Jul 2025 15:03

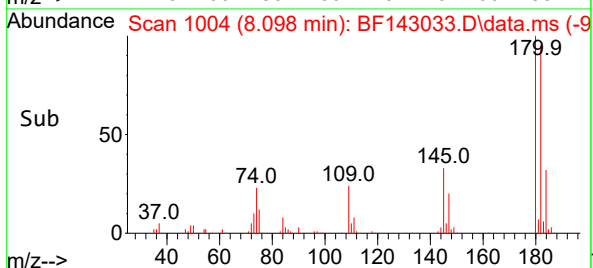
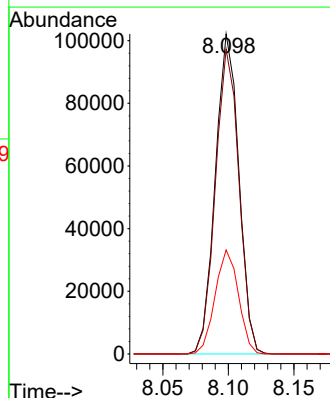
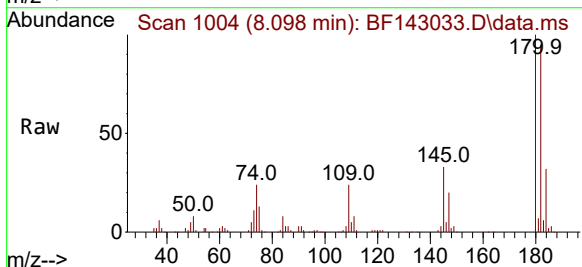
Tgt Ion:180 Resp: 127107

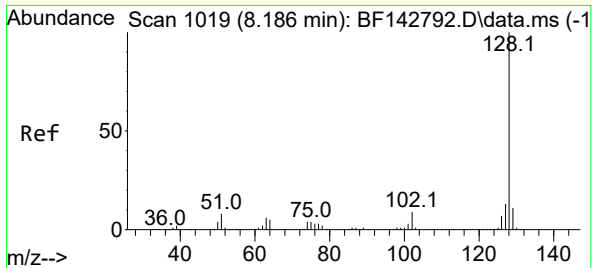
Ion Ratio Lower Upper

180 100

182 95.2 76.4 114.6

145 32.5 25.8 38.8





#31

Naphthalene

Concen: 43.032 ng

RT: 8.181 min Scan# 1019

Delta R.T. -0.006 min

Lab File: BF143033.D

Acq: 08 Jul 2025 15:03

Instrument :

BNA_F

ClientSampleId :

TP-78MSD

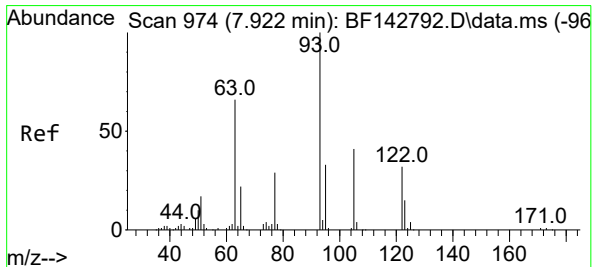
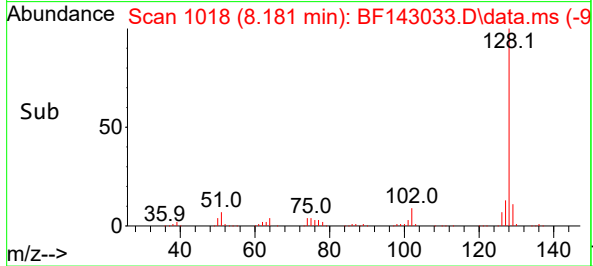
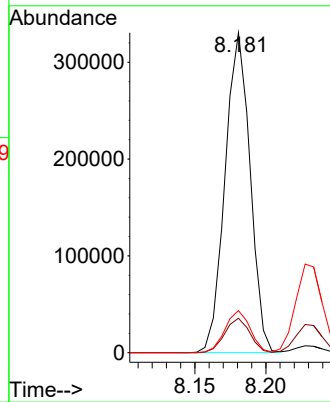
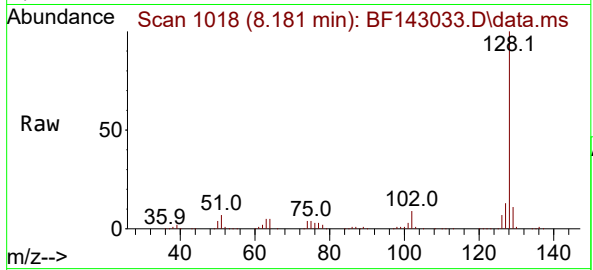
Tgt Ion:128 Resp: 404703

Ion Ratio Lower Upper

128 100

129 10.8 8.9 13.3

127 13.2 10.4 15.6



#32

Benzoic acid

Concen: 5.814 ng

RT: 7.922 min Scan# 974

Delta R.T. 0.000 min

Lab File: BF143033.D

Acq: 08 Jul 2025 15:03

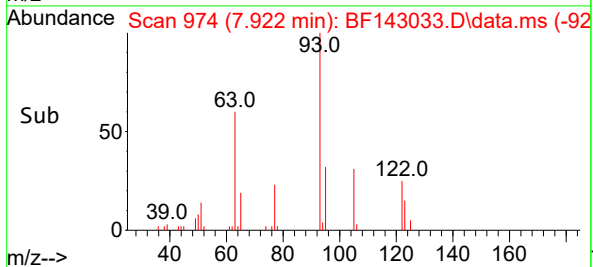
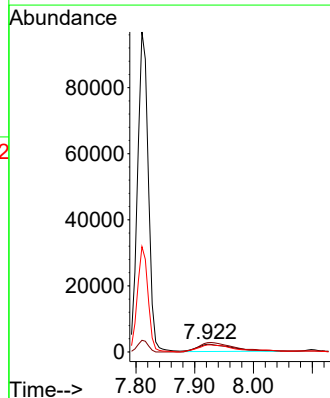
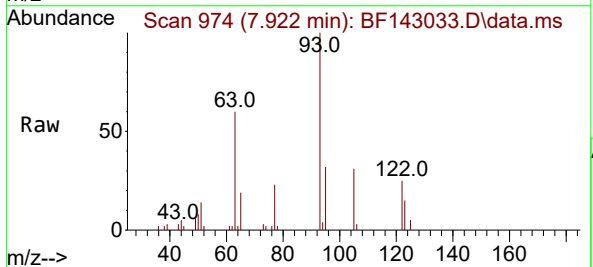
Tgt Ion:122 Resp: 8865

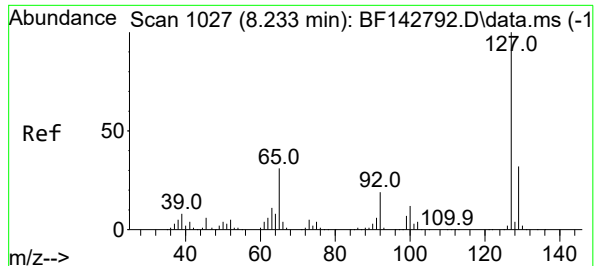
Ion Ratio Lower Upper

122 100

105 120.9 104.7 144.7

77 90.3 70.2 110.2





#33

4-Chloroaniline

Concen: 32.256 ng

RT: 8.228 min Scan# 1026

Delta R.T. -0.006 min

Lab File: BF143033.D

Acq: 08 Jul 2025 15:03

Instrument :

BNA_F

ClientSampleId :

TP-78MSD

Tgt Ion:127 Resp: 123350

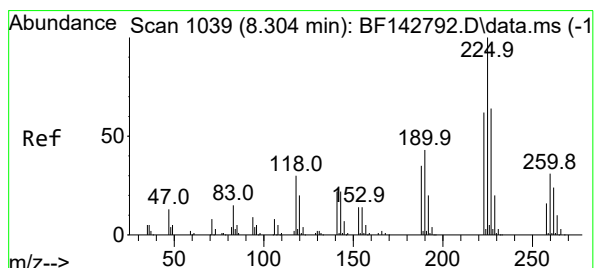
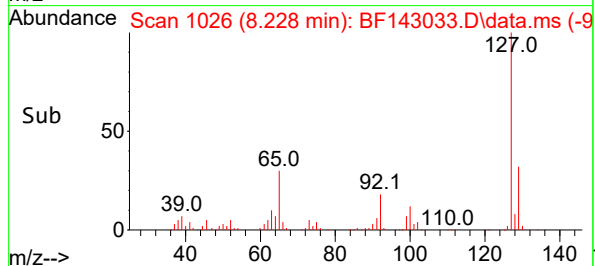
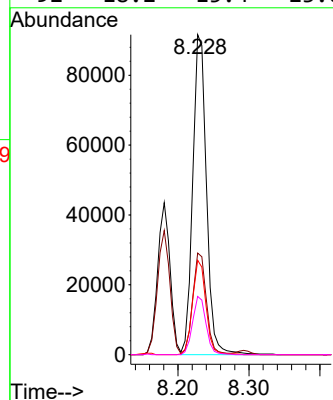
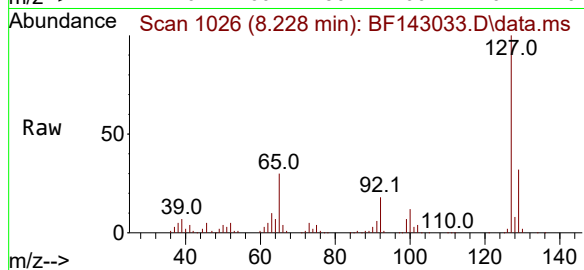
Ion Ratio Lower Upper

127 100

129 31.8 25.9 38.9

65 29.5 24.6 36.8

92 18.2 15.4 23.0



#34

Hexachlorobutadiene

Concen: 44.099 ng

RT: 8.292 min Scan# 1037

Delta R.T. -0.012 min

Lab File: BF143033.D

Acq: 08 Jul 2025 15:03

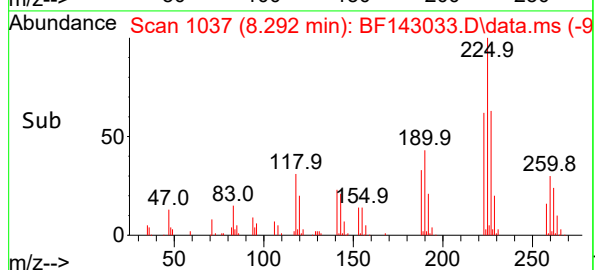
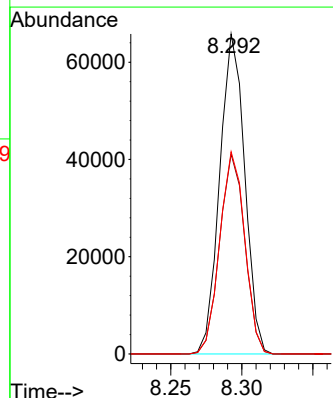
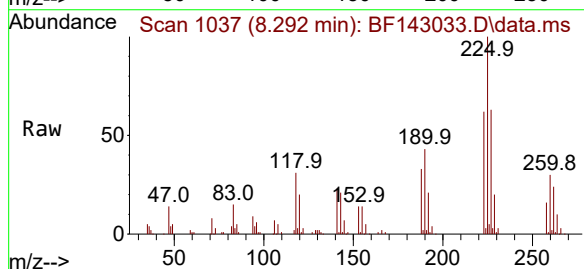
Tgt Ion:225 Resp: 80457

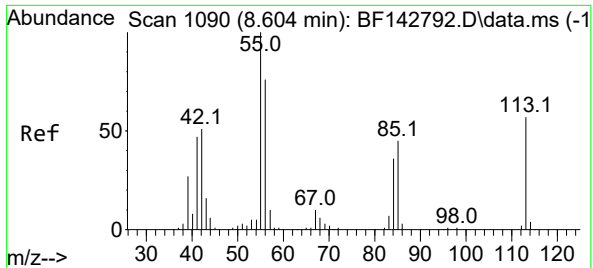
Ion Ratio Lower Upper

225 100

223 62.5 49.9 74.9

227 63.2 51.4 77.0

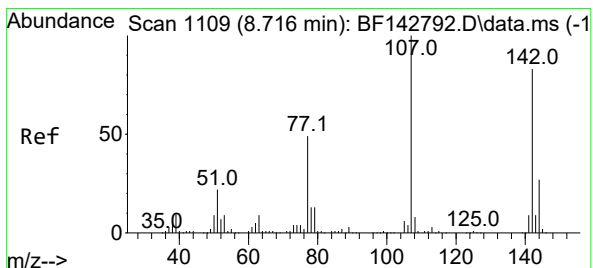
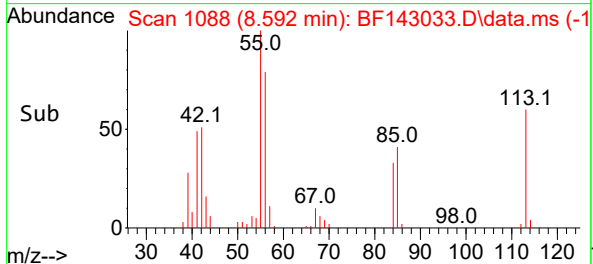
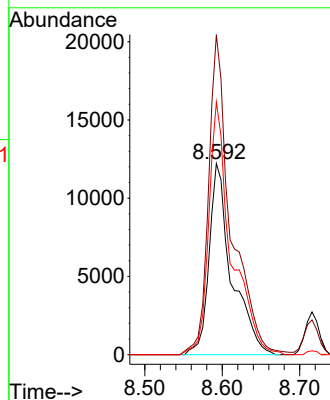
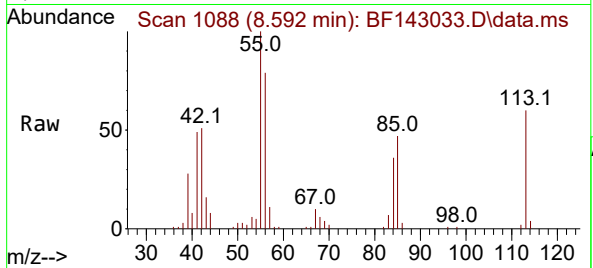




#35
Caprolactam
Concen: 34.511 ng
RT: 8.592 min Scan# 1088
Delta R.T. -0.012 min
Lab File: BF143033.D
Acq: 08 Jul 2025 15:03

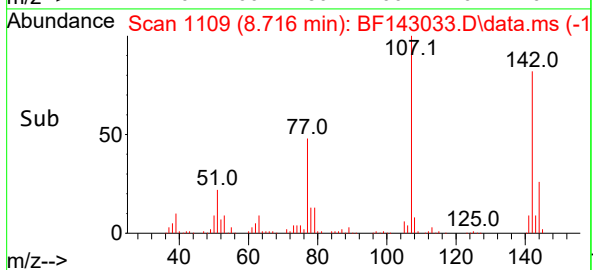
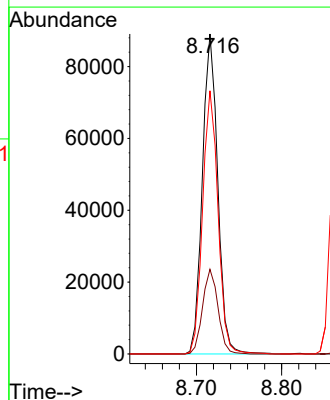
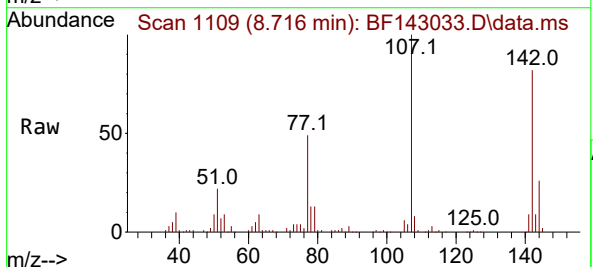
Instrument :
BNA_F
ClientSampleId :
TP-78MSD

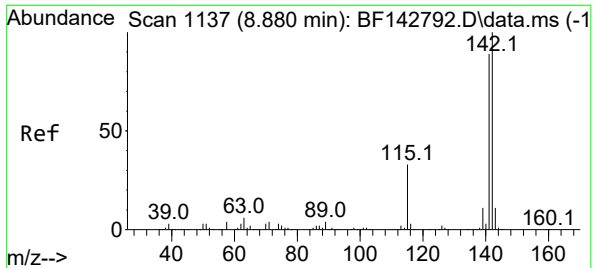
Tgt Ion:113 Resp: 24702
Ion Ratio Lower Upper
113 100
55 167.3 154.4 194.4
56 132.1 112.1 152.1



#36
4-Chloro-3-methylphenol
Concen: 41.285 ng
RT: 8.716 min Scan# 1109
Delta R.T. 0.000 min
Lab File: BF143033.D
Acq: 08 Jul 2025 15:03

Tgt Ion:107 Resp: 111296
Ion Ratio Lower Upper
107 100
144 26.5 21.3 31.9
142 82.3 66.6 100.0

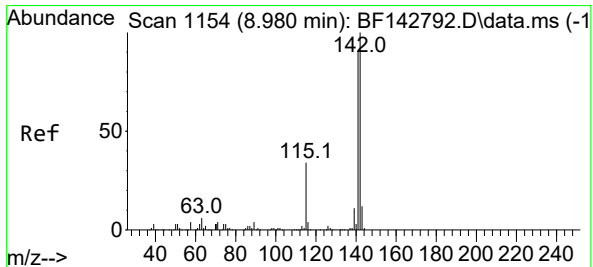
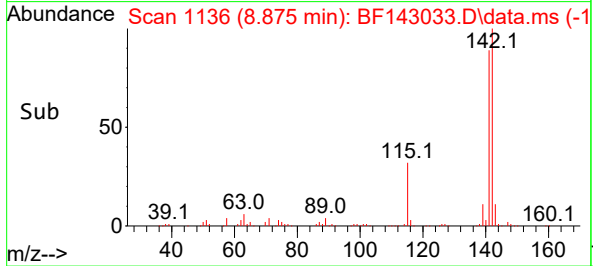
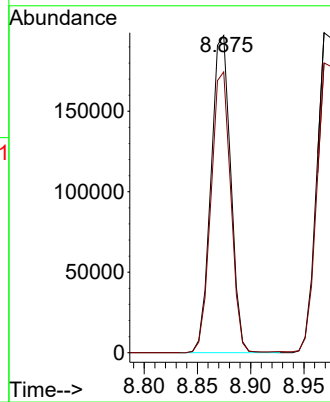
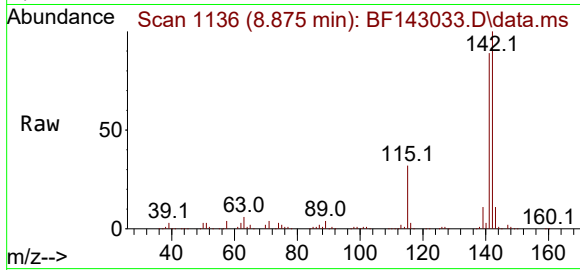




#37
2-Methylnaphthalene
Concen: 43.441 ng
RT: 8.875 min Scan# 1136
Delta R.T. -0.006 min
Lab File: BF143033.D
Acq: 08 Jul 2025 15:03

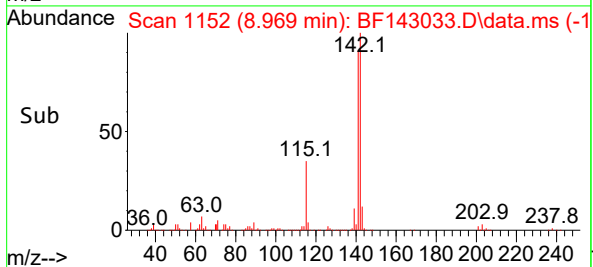
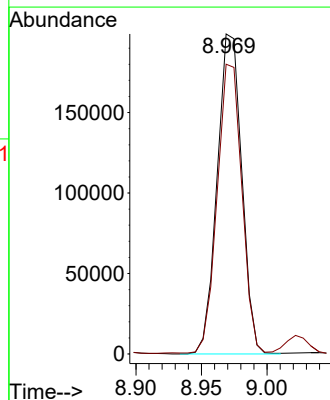
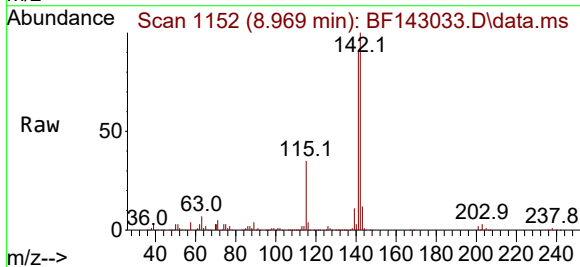
Instrument :
BNA_F
ClientSampleId :
TP-78MSD

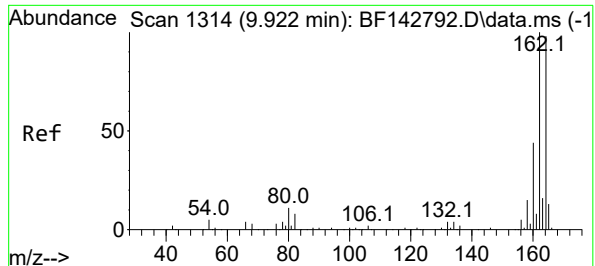
Tgt Ion:142 Resp: 253287
Ion Ratio Lower Upper
142 100
141 88.5 70.9 106.3



#38
1-Methylnaphthalene
Concen: 42.965 ng
RT: 8.969 min Scan# 1152
Delta R.T. -0.012 min
Lab File: BF143033.D
Acq: 08 Jul 2025 15:03

Tgt Ion:142 Resp: 259322
Ion Ratio Lower Upper
142 100
141 90.6 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: BF143033.D

Acq: 08 Jul 2025 15:03

Instrument :

BNA_F

ClientSampleId :

TP-78MSD

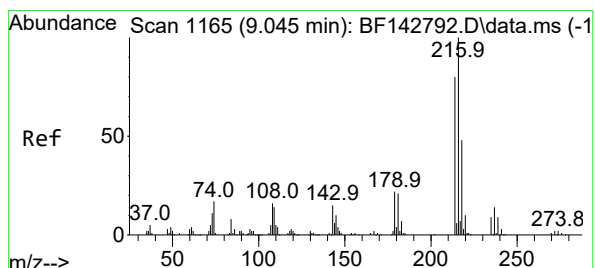
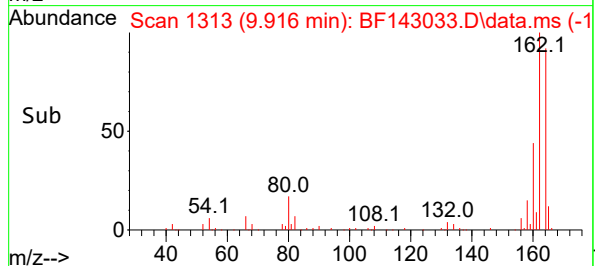
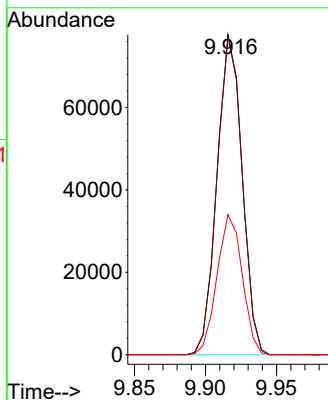
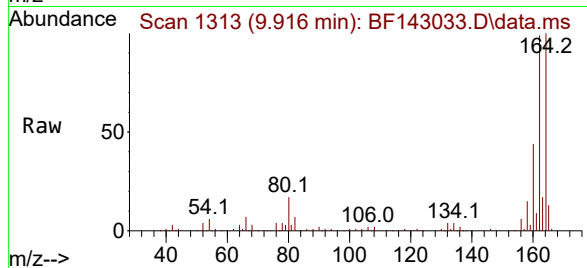
Tgt Ion:164 Resp: 95468

Ion Ratio Lower Upper

164 100

162 99.4 81.8 122.8

160 43.8 36.0 54.0



#40

1,2,4,5-Tetrachlorobenzene

Concen: 45.464 ng

RT: 9.039 min Scan# 1164

Delta R.T. -0.006 min

Lab File: BF143033.D

Acq: 08 Jul 2025 15:03

Tgt Ion:216 Resp: 128069

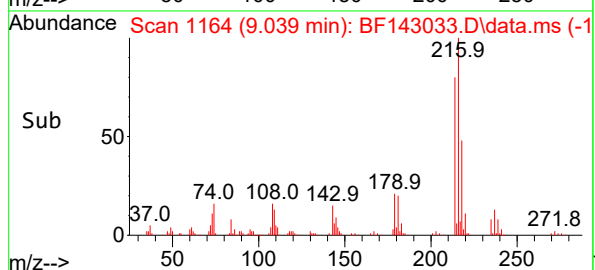
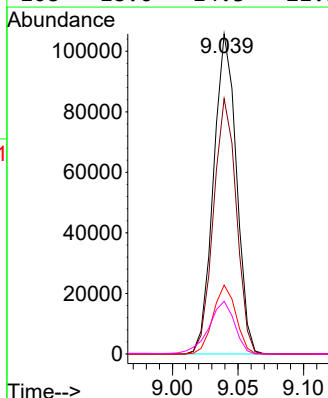
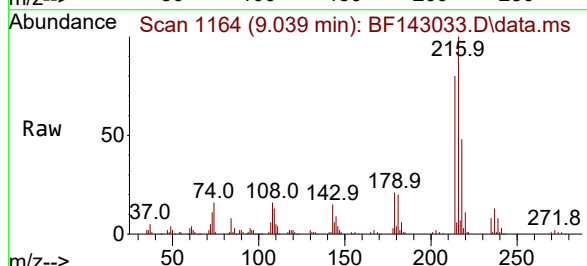
Ion Ratio Lower Upper

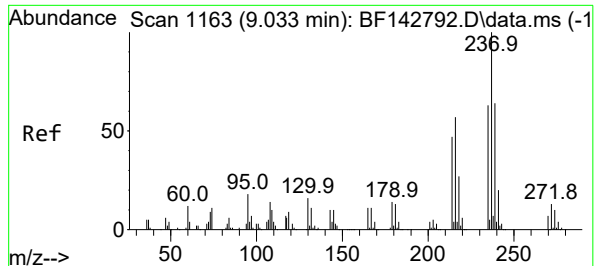
216 100

214 79.6 63.7 95.5

179 21.4 17.6 26.4

108 18.6 14.3 21.5





#41

Hexachlorocyclopentadiene

Concen: 71.940 ng

RT: 9.022 min Scan# 1161

Delta R.T. -0.012 min

Lab File: BF143033.D

Acq: 08 Jul 2025 15:03

Instrument :

BNA_F

ClientSampleId :

TP-78MSD

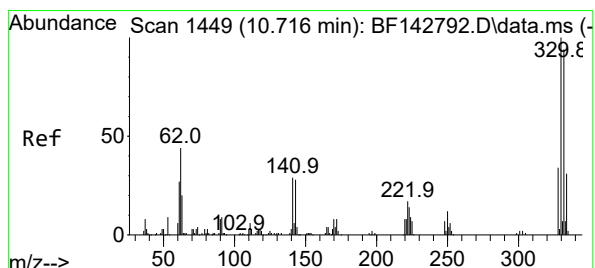
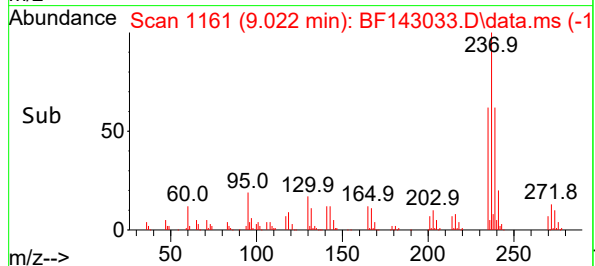
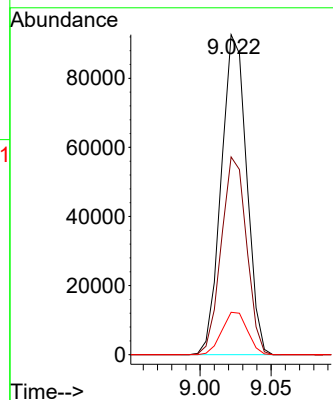
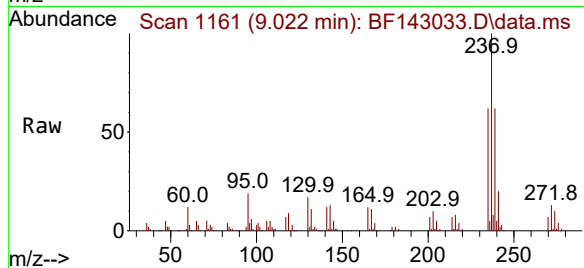
Tgt Ion:237 Resp: 115000

Ion Ratio Lower Upper

237 100

235 61.8 43.4 83.4

272 13.3 0.0 32.7



#42

2,4,6-Tribromophenol

Concen: 64.202 ng

RT: 10.710 min Scan# 1448

Delta R.T. -0.006 min

Lab File: BF143033.D

Acq: 08 Jul 2025 15:03

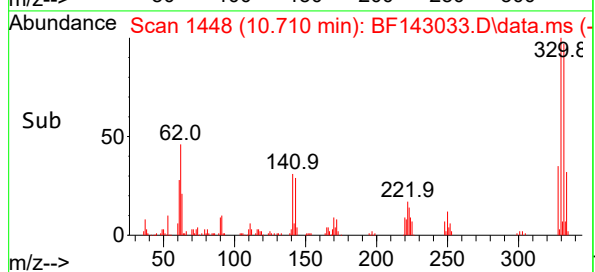
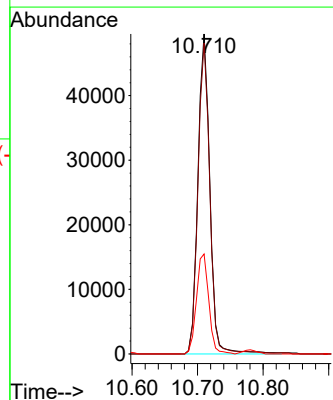
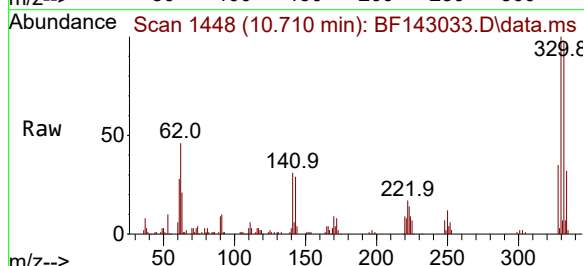
Tgt Ion:330 Resp: 63074

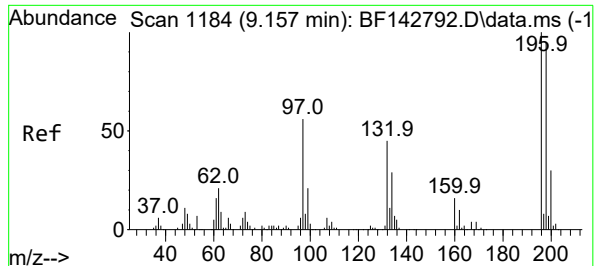
Ion Ratio Lower Upper

330 100

332 96.4 75.0 112.6

141 32.0 25.3 37.9





#43

2,4,6-Trichlorophenol

Concen: 40.307 ng

RT: 9.157 min Scan# 1184

Delta R.T. 0.000 min

Lab File: BF143033.D

Acq: 08 Jul 2025 15:03

Instrument :

BNA_F

ClientSampleId :

TP-78MSD

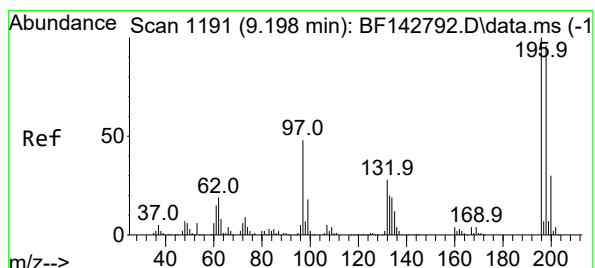
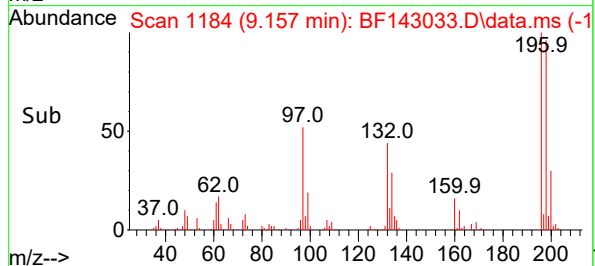
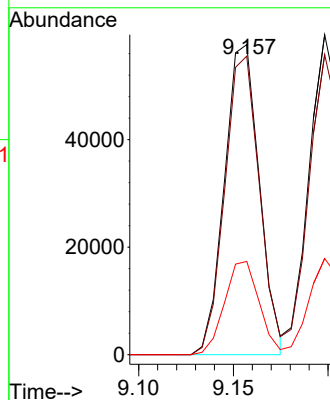
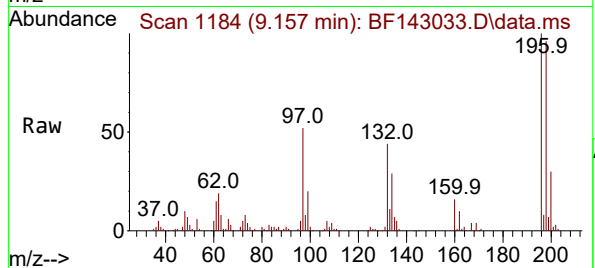
Tgt Ion:196 Resp: 73987

Ion Ratio Lower Upper

196 100

198 96.3 76.2 114.2

200 30.1 24.1 36.1



#44

2,4,5-Trichlorophenol

Concen: 40.959 ng

RT: 9.198 min Scan# 1191

Delta R.T. 0.000 min

Lab File: BF143033.D

Acq: 08 Jul 2025 15:03

Tgt Ion:196 Resp: 79145

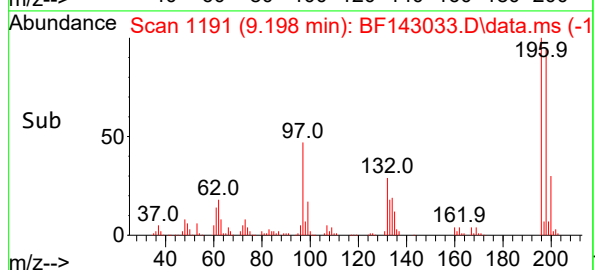
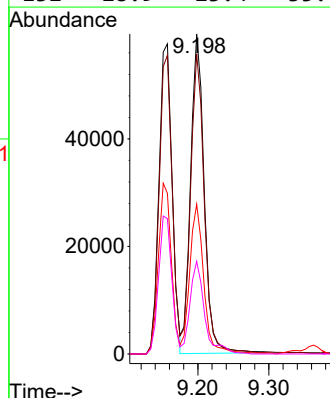
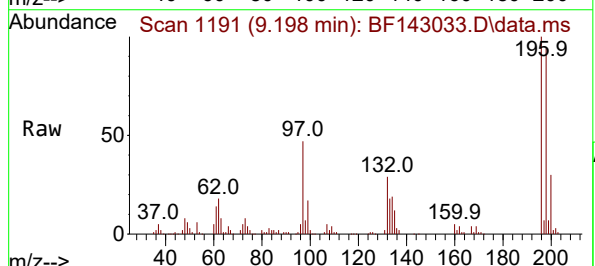
Ion Ratio Lower Upper

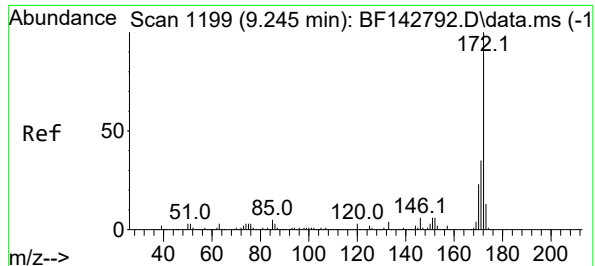
196 100

198 93.8 76.6 115.0

97 46.8 38.2 57.2

132 28.9 23.4 35.0





#45

2-Fluorobiphenyl

Concen: 45.711 ng

RT: 9.234 min Scan# 1199

Delta R.T. -0.011 min

Lab File: BF143033.D

Acq: 08 Jul 2025 15:03

Instrument :

BNA_F

ClientSampleId :

TP-78MSD

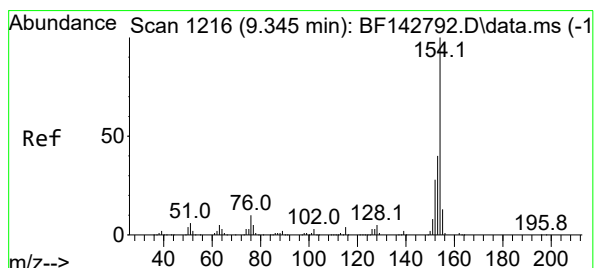
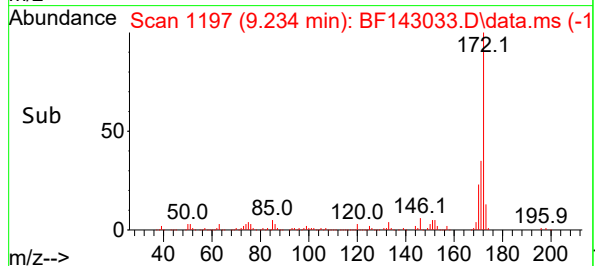
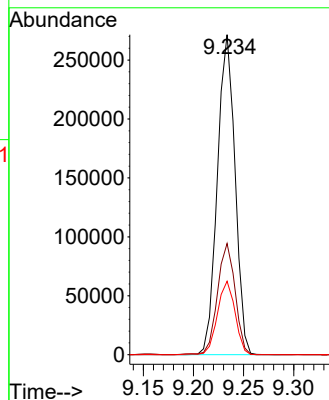
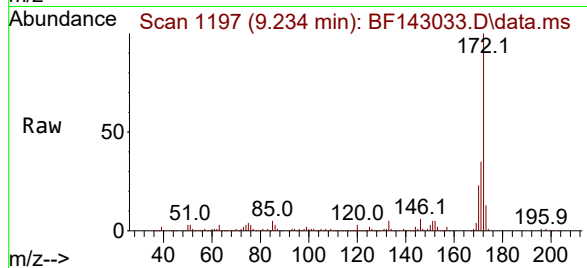
Tgt Ion:172 Resp: 332194

Ion Ratio Lower Upper

172 100

171 34.7 28.2 42.4

170 22.9 18.5 27.7



#46

1,1'-Biphenyl

Concen: 45.026 ng

RT: 9.334 min Scan# 1214

Delta R.T. -0.012 min

Lab File: BF143033.D

Acq: 08 Jul 2025 15:03

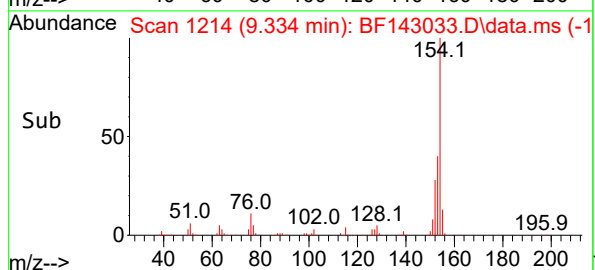
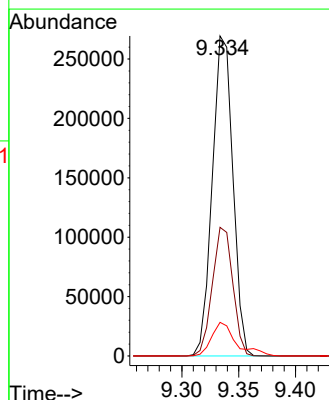
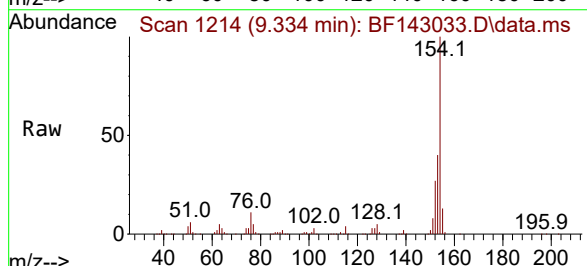
Tgt Ion:154 Resp: 339559

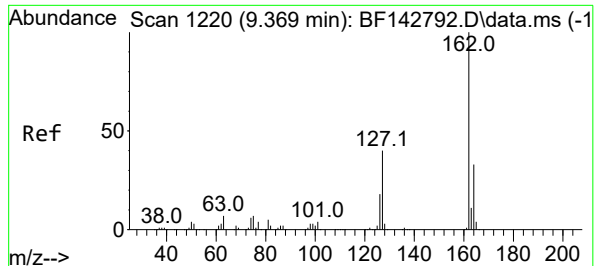
Ion Ratio Lower Upper

154 100

153 40.2 20.3 60.3

76 10.5 0.0 30.3





#47

2-Chloronaphthalene

Concen: 44.542 ng

RT: 9.363 min Scan# 1219

Delta R.T. -0.006 min

Lab File: BF143033.D

Acq: 08 Jul 2025 15:03

Instrument :

BNA_F

ClientSampleId :

TP-78MSD

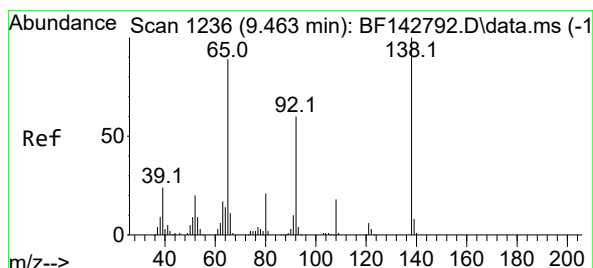
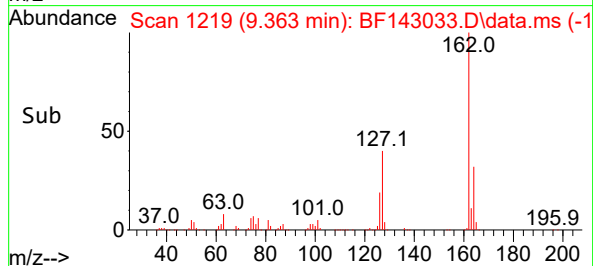
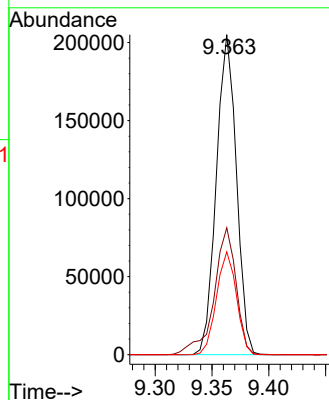
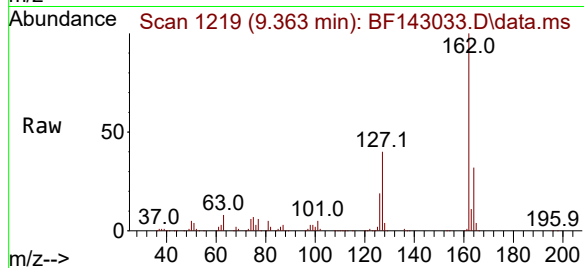
Tgt Ion:162 Resp: 252079

Ion Ratio Lower Upper

162 100

127 39.6 32.2 48.2

164 32.1 26.1 39.1



#48

2-Nitroaniline

Concen: 44.327 ng

RT: 9.463 min Scan# 1236

Delta R.T. 0.000 min

Lab File: BF143033.D

Acq: 08 Jul 2025 15:03

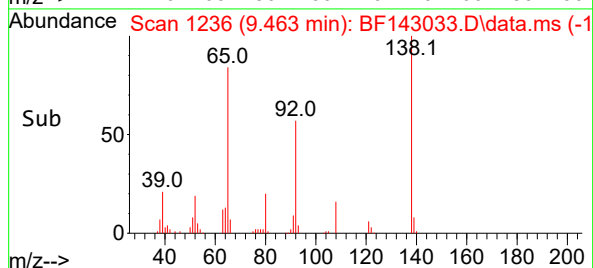
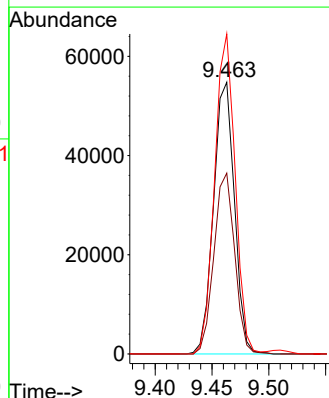
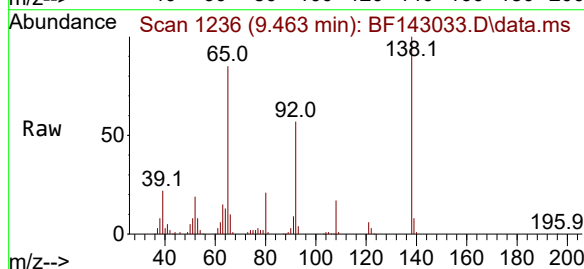
Tgt Ion: 65 Resp: 70330

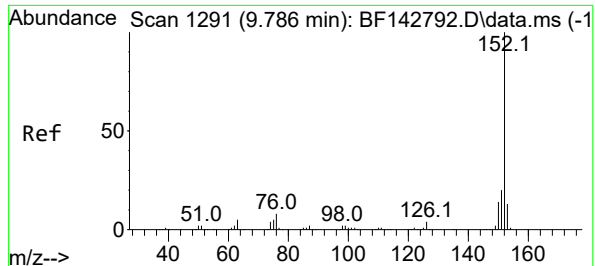
Ion Ratio Lower Upper

65 100

92 66.6 53.8 80.6

138 117.8 89.6 134.4





#49

Acenaphthylene

Concen: 44.068 ng

RT: 9.781 min Scan# 11

Delta R.T. -0.006 min

Lab File: BF143033.D

Acq: 08 Jul 2025 15:03

Instrument :

BNA_F

ClientSampleId :

TP-78MSD

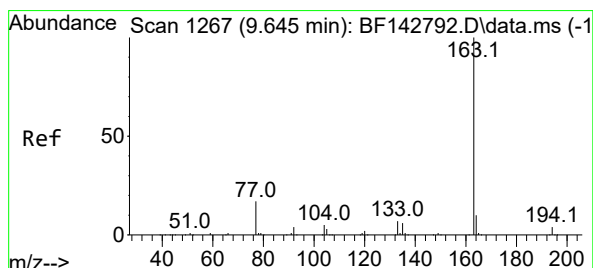
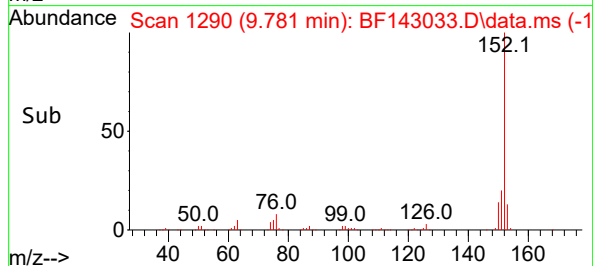
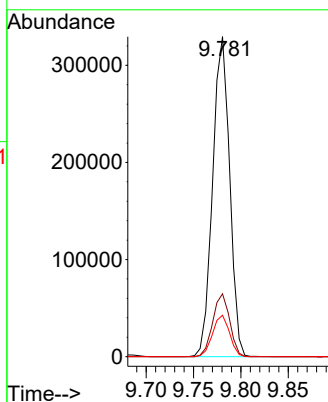
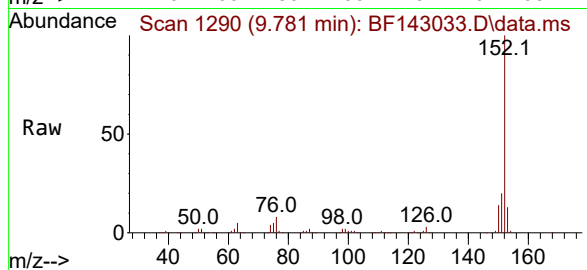
Tgt Ion:152 Resp: 410555

Ion Ratio Lower Upper

152 100

151 19.7 16.1 24.1

153 12.9 10.4 15.6



#50

Dimethylphthalate

Concen: 43.971 ng

RT: 9.633 min Scan# 1265

Delta R.T. -0.012 min

Lab File: BF143033.D

Acq: 08 Jul 2025 15:03

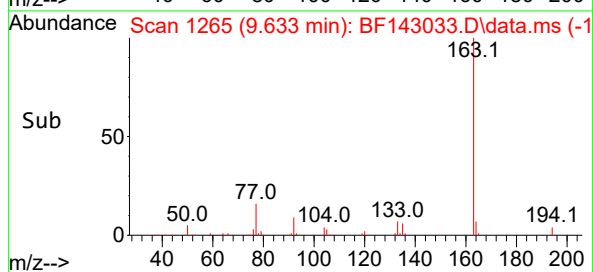
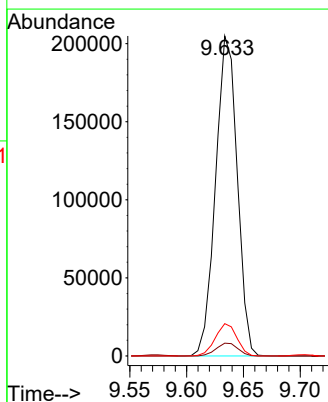
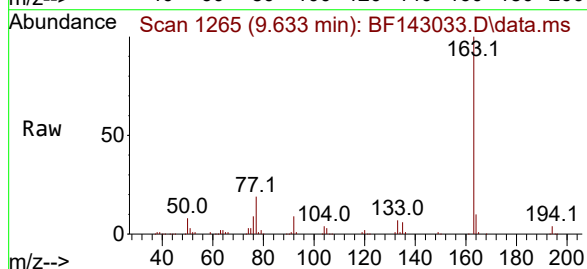
Tgt Ion:163 Resp: 271727

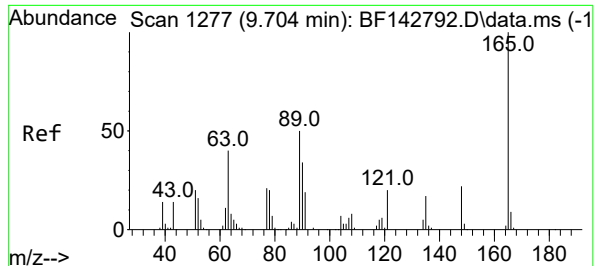
Ion Ratio Lower Upper

163 100

194 4.0 3.3 4.9

164 10.1 8.0 12.0





#51

2,6-Dinitrotoluene

Concen: 45.104 ng

RT: 9.704 min Scan# 1319

Delta R.T. 0.000 min

Lab File: BF143033.D

Acq: 08 Jul 2025 15:03

Instrument :

BNA_F

ClientSampleId :

TP-78MSD

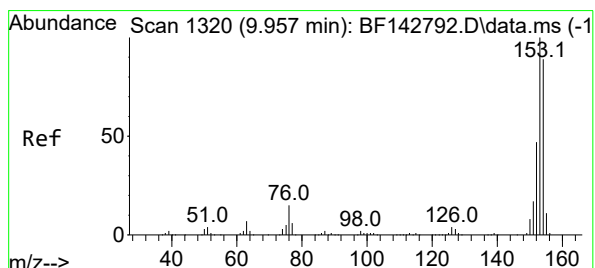
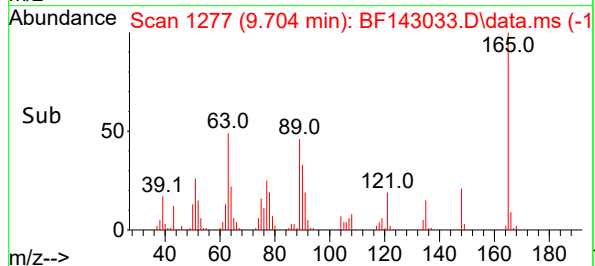
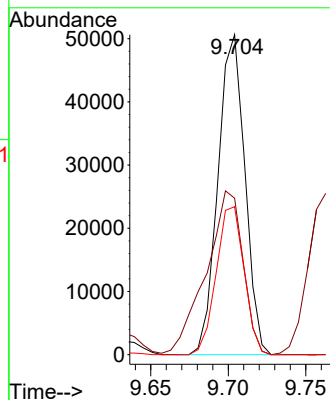
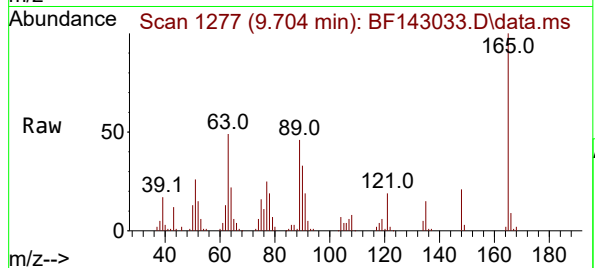
Tgt Ion:165 Resp: 61211

Ion Ratio Lower Upper

165 100

63 48.9 44.2 66.4

89 46.2 39.8 59.8



#52

Acenaphthene

Concen: 43.588 ng m

RT: 9.951 min Scan# 1319

Delta R.T. -0.006 min

Lab File: BF143033.D

Acq: 08 Jul 2025 15:03

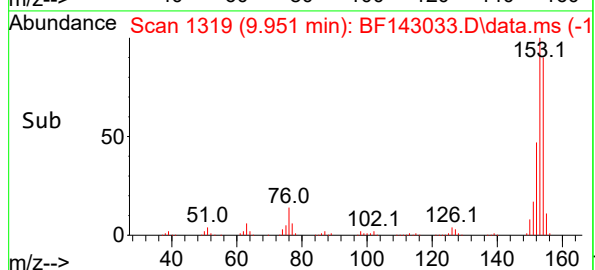
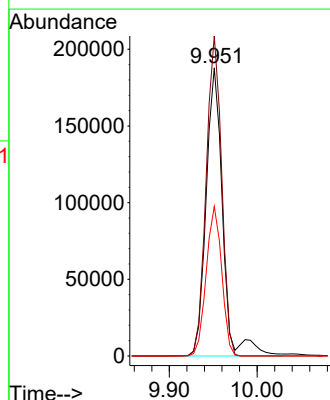
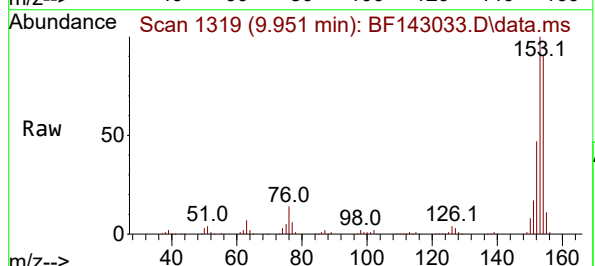
Tgt Ion:154 Resp: 247761

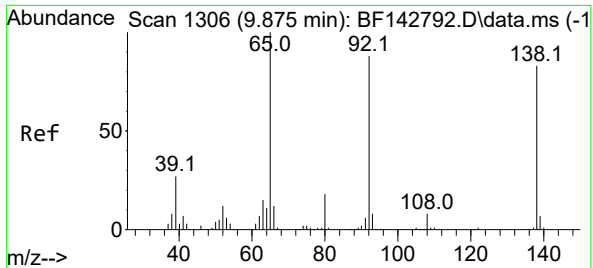
Ion Ratio Lower Upper

154 100

153 111.1 90.0 135.0

152 51.9 41.9 62.9

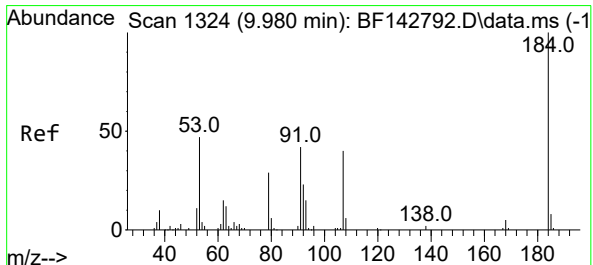
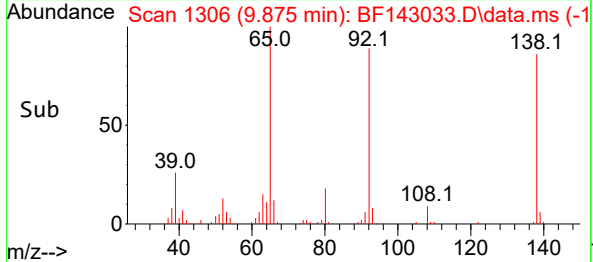
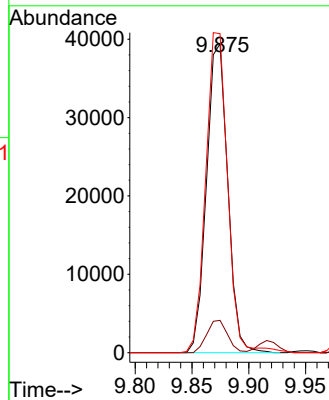
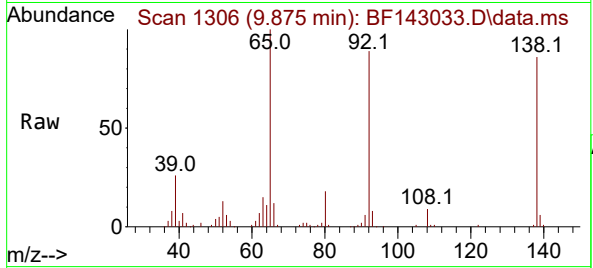




#53
3-Nitroaniline
Concen: 34.272 ng
RT: 9.875 min Scan# 1306
Delta R.T. 0.000 min
Lab File: BF143033.D
Acq: 08 Jul 2025 15:03

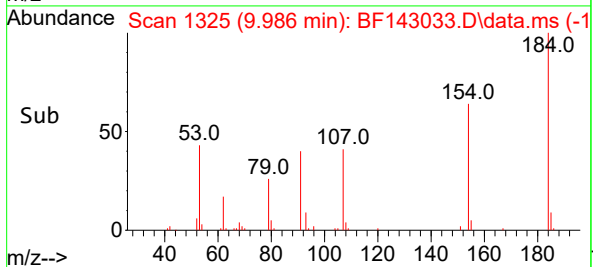
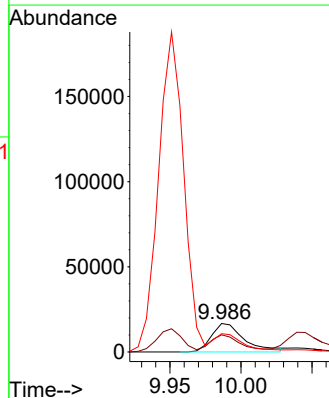
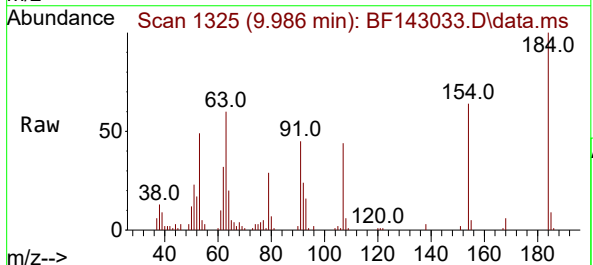
Instrument :
BNA_F
ClientSampleId :
TP-78MSD

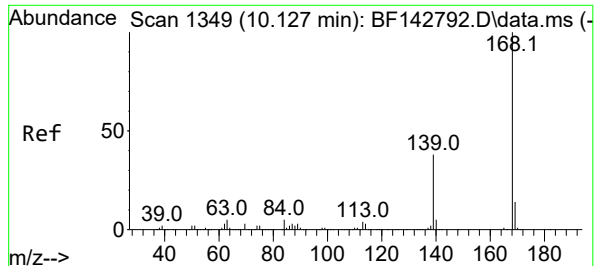
Tgt Ion:138 Resp: 51209
Ion Ratio Lower Upper
138 100
108 10.5 8.1 12.1
92 103.2 85.1 127.7



#54
2,4-Dinitrophenol
Concen: 39.615 ng
RT: 9.986 min Scan# 1325
Delta R.T. 0.006 min
Lab File: BF143033.D
Acq: 08 Jul 2025 15:03

Tgt Ion:184 Resp: 26920
Ion Ratio Lower Upper
184 100
63 60.3 50.6 75.8
154 64.0 51.8 77.8





#55

Dibenzenofuran

Concen: 43.098 ng

RT: 10.122 min Scan# 1348

Delta R.T. -0.006 min

Lab File: BF143033.D

Acq: 08 Jul 2025 15:03

Instrument :

BNA_F

ClientSampleId :

TP-78MSD

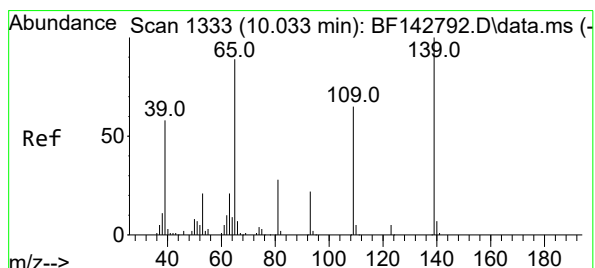
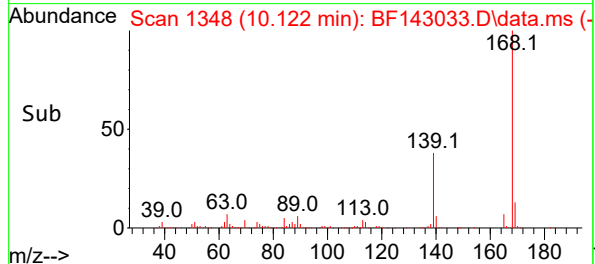
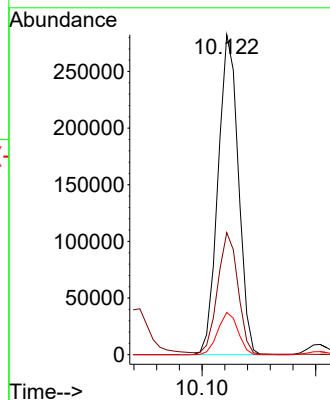
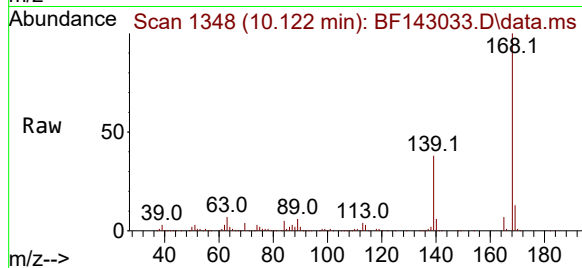
Tgt Ion:168 Resp: 351286

Ion Ratio Lower Upper

168 100

139 38.2 30.2 45.4

169 13.2 10.8 16.2



#56

4-Nitrophenol

Concen: 59.963 ng

RT: 10.045 min Scan# 1335

Delta R.T. 0.012 min

Lab File: BF143033.D

Acq: 08 Jul 2025 15:03

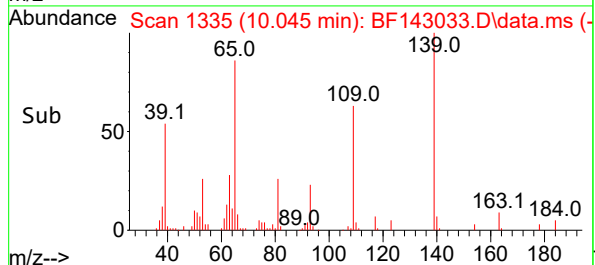
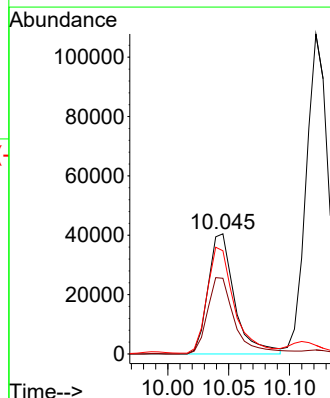
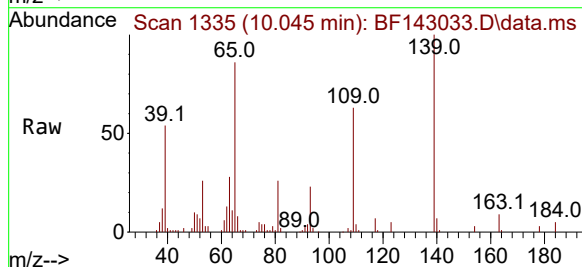
Tgt Ion:139 Resp: 61338

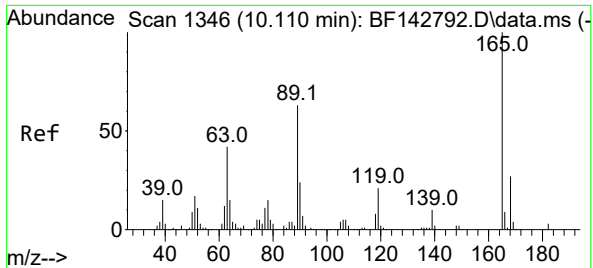
Ion Ratio Lower Upper

139 100

109 63.0 44.7 84.7

65 85.8 69.8 109.8

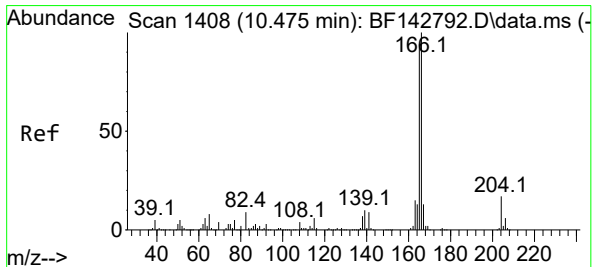
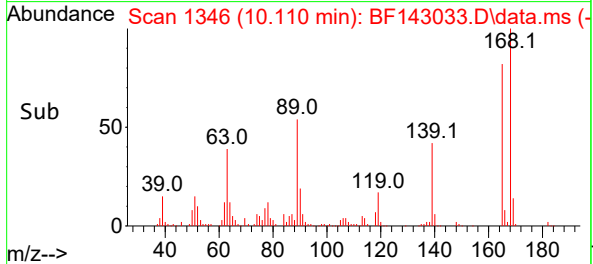
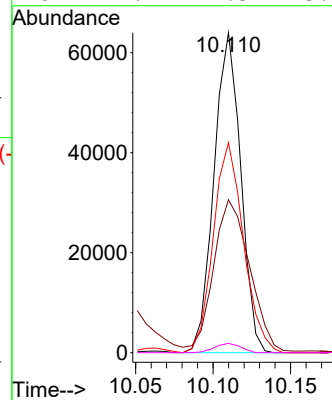
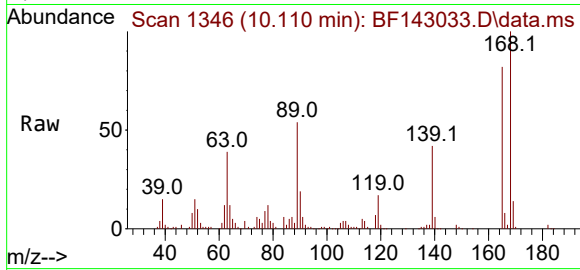




#57
2,4-Dinitrotoluene
Concen: 42.508 ng
RT: 10.110 min Scan# 11
Delta R.T. 0.000 min
Lab File: BF143033.D
Acq: 08 Jul 2025 15:03

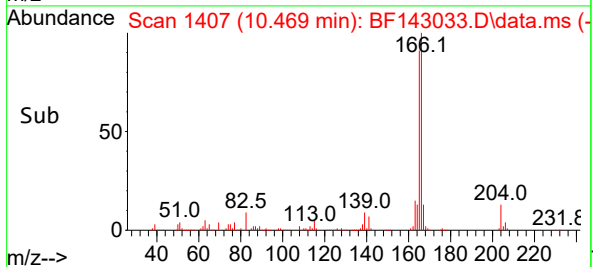
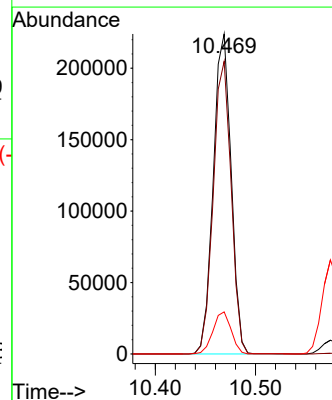
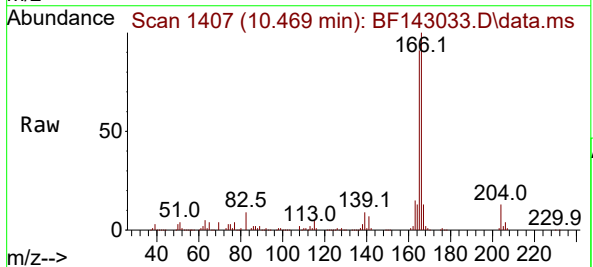
Instrument :
BNA_F
ClientSampleId :
TP-78MSD

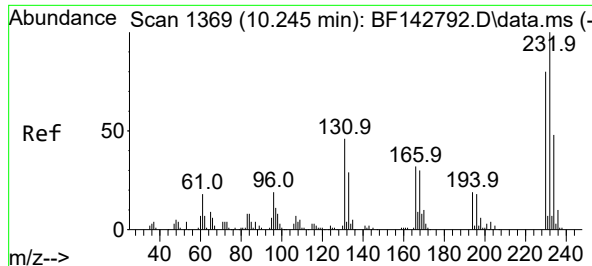
Tgt Ion:165 Resp: 76627
Ion Ratio Lower Upper
165 100
63 47.8 33.9 50.9
89 65.7 50.6 75.8
182 2.9 2.3 3.5



#58
Fluorene
Concen: 43.574 ng
RT: 10.469 min Scan# 1407
Delta R.T. -0.006 min
Lab File: BF143033.D
Acq: 08 Jul 2025 15:03

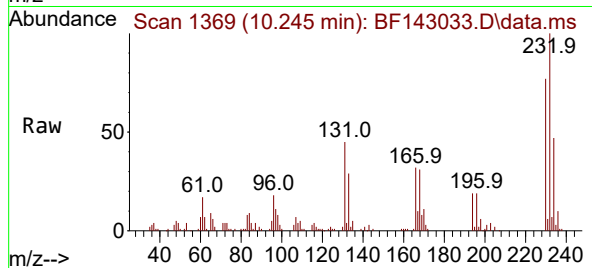
Tgt Ion:166 Resp: 277382
Ion Ratio Lower Upper
166 100
165 91.4 75.2 112.8
167 13.1 10.6 15.8



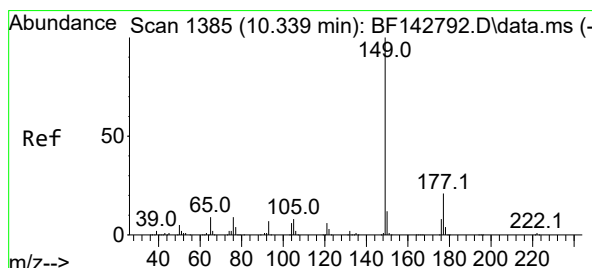
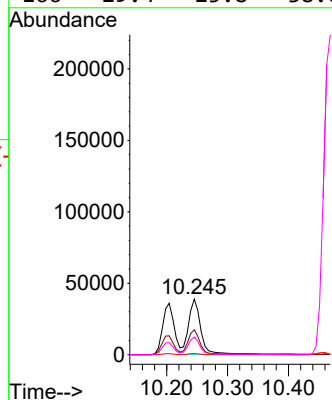
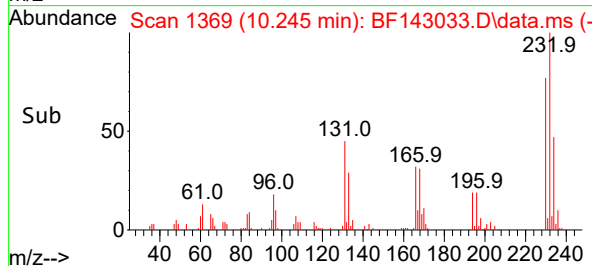


#59
2,3,4,6-Tetrachlorophenol
Concen: 34.809 ng
RT: 10.245 min Scan# 1369
Delta R.T. 0.000 min
Lab File: BF143033.D
Acq: 08 Jul 2025 15:03

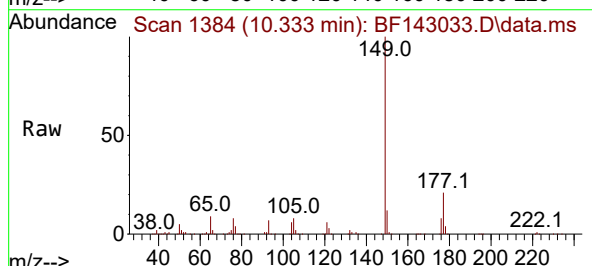
Instrument :
BNA_F
ClientSampleId :
TP-78MSD



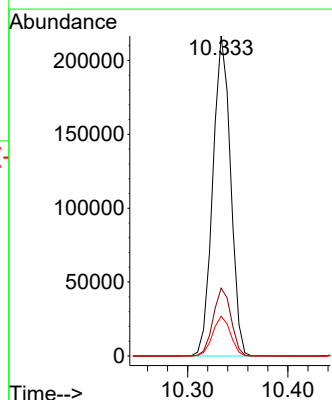
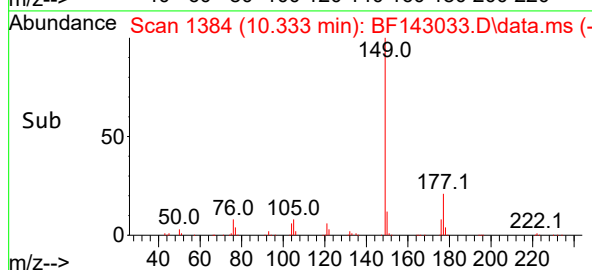
Tgt Ion:232 Resp: 54216
Ion Ratio Lower Upper
232 100
131 44.7 37.6 56.4
130 1.8 1.7 2.5
166 29.4 25.8 38.6

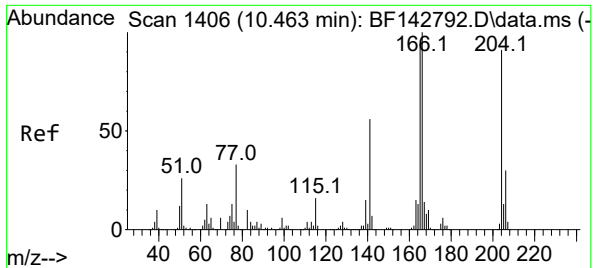


#60
Diethylphthalate
Concen: 44.048 ng
RT: 10.333 min Scan# 1384
Delta R.T. -0.006 min
Lab File: BF143033.D
Acq: 08 Jul 2025 15:03



Tgt Ion:149 Resp: 266892
Ion Ratio Lower Upper
149 100
177 21.2 17.0 25.6
150 12.4 9.8 14.6

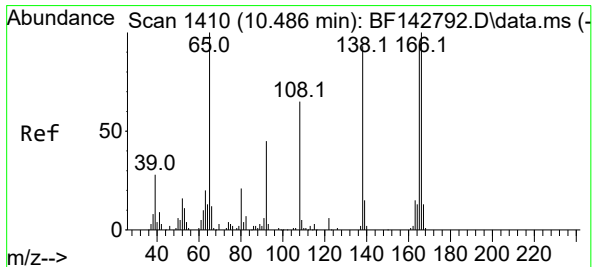
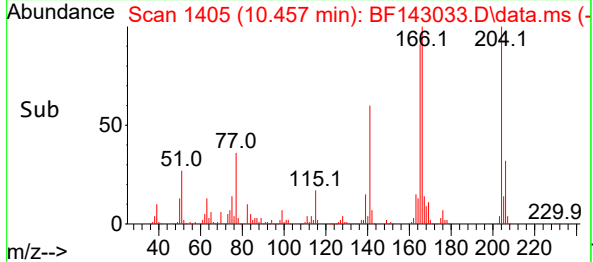
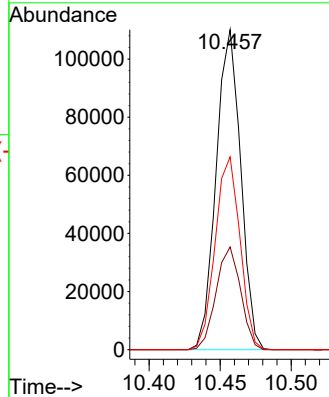
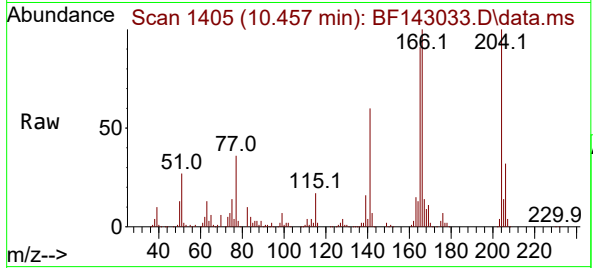




#61
4-Chlorophenyl-phenylether
Concen: 43.550 ng
RT: 10.457 min Scan# 1405
Delta R.T. -0.006 min
Lab File: BF143033.D
Acq: 08 Jul 2025 15:03

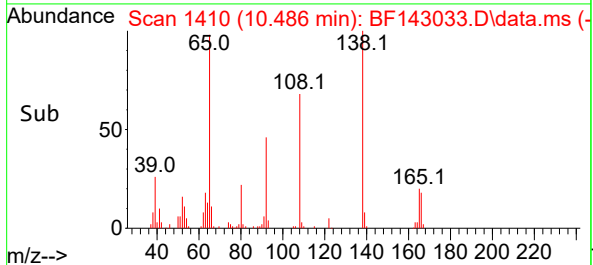
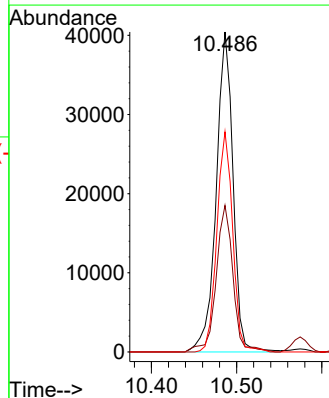
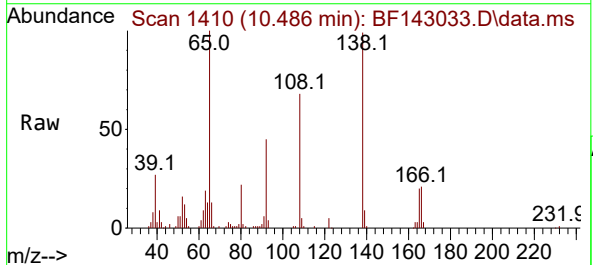
Instrument :
BNA_F
ClientSampleId :
TP-78MSD

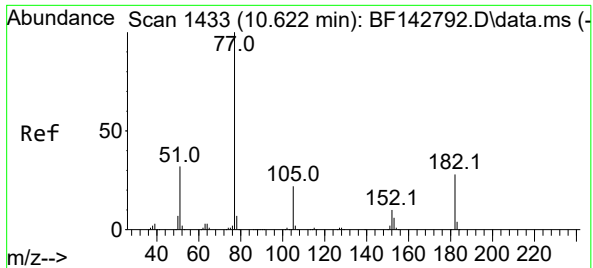
Tgt Ion:204 Resp: 132289
Ion Ratio Lower Upper
204 100
206 32.1 26.3 39.5
141 60.3 49.1 73.7



#62
4-Nitroaniline
Concen: 40.614 ng
RT: 10.486 min Scan# 1410
Delta R.T. 0.000 min
Lab File: BF143033.D
Acq: 08 Jul 2025 15:03

Tgt Ion:138 Resp: 55501
Ion Ratio Lower Upper
138 100
92 45.8 28.4 68.4
108 68.8 50.2 90.2

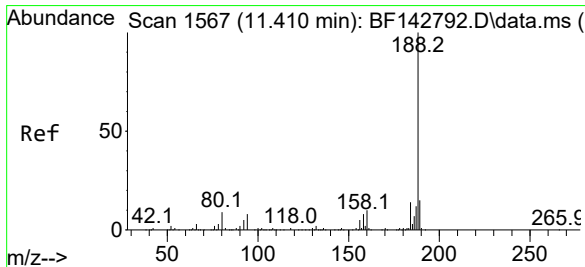
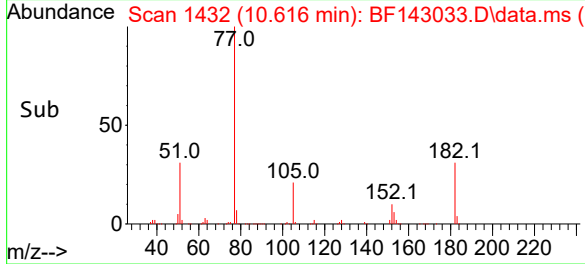
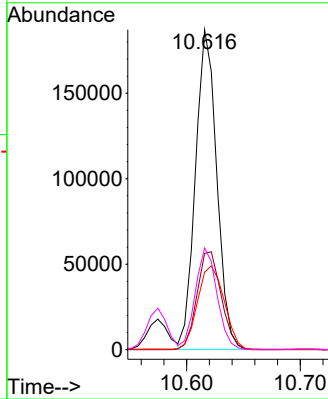
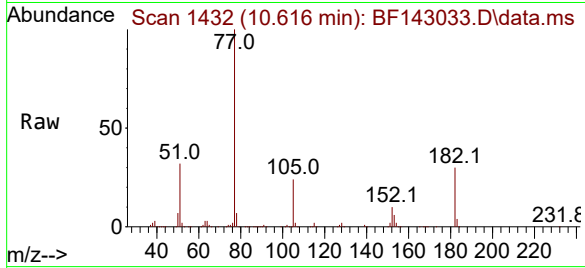




#63
Azobenzene
Concen: 45.018 ng
RT: 10.616 min Scan# 1432
Delta R.T. -0.006 min
Lab File: BF143033.D
Acq: 08 Jul 2025 15:03

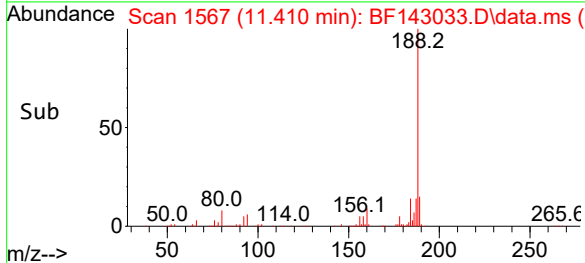
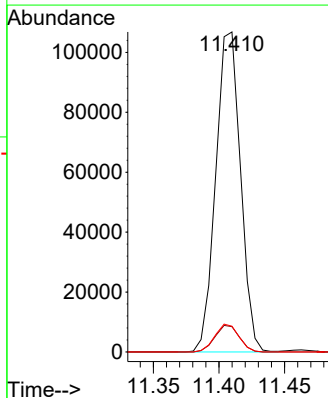
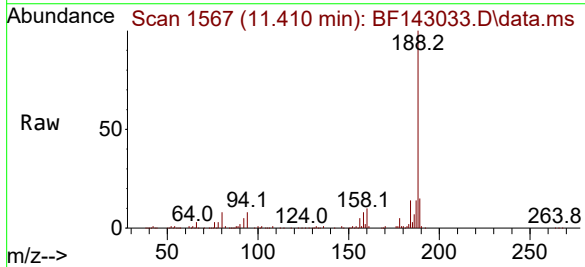
Instrument :
BNA_F
ClientSampleId :
TP-78MSD

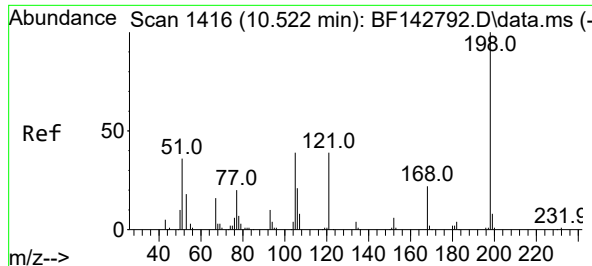
Tgt Ion: 77 Resp: 243790
Ion Ratio Lower Upper
77 100
182 30.1 7.7 47.7
105 24.2 1.9 41.9
51 31.8 13.3 53.3



#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.410 min Scan# 1567
Delta R.T. 0.000 min
Lab File: BF143033.D
Acq: 08 Jul 2025 15:03

Tgt Ion: 188 Resp: 140156
Ion Ratio Lower Upper
188 100
94 7.9 6.7 10.1
80 8.1 6.9 10.3

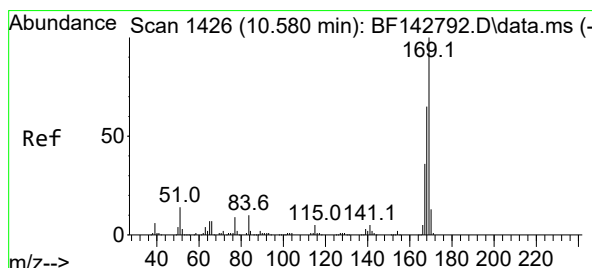
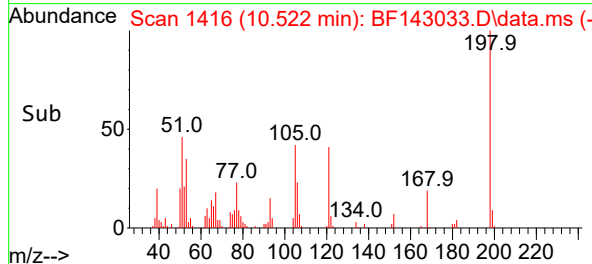
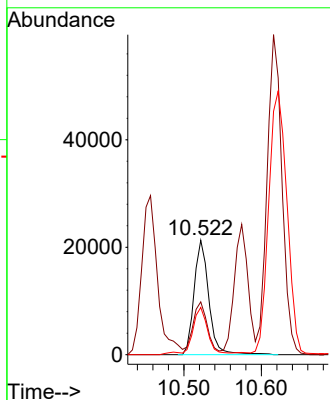
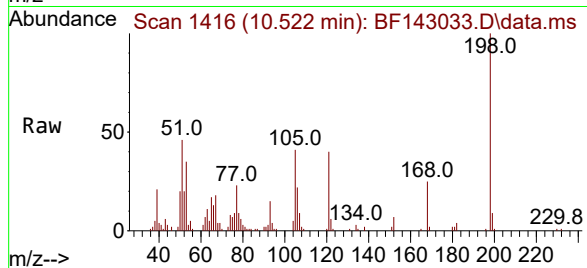




#65
4,6-Dinitro-2-methylphenol
Concen: 33.219 ng
RT: 10.522 min Scan# 1416
Delta R.T. 0.000 min
Lab File: BF143033.D
Acq: 08 Jul 2025 15:03

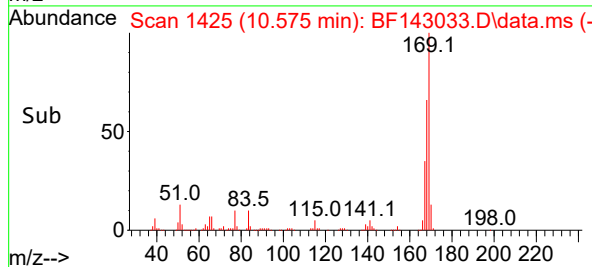
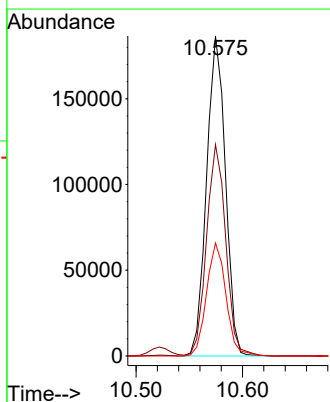
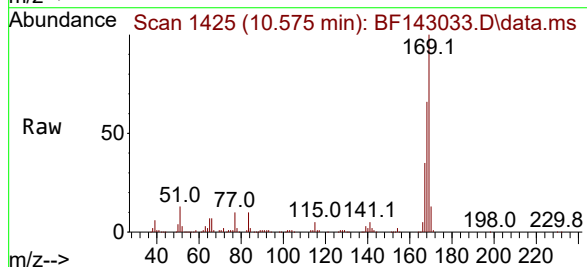
Instrument :
BNA_F
ClientSampleId :
TP-78MSD

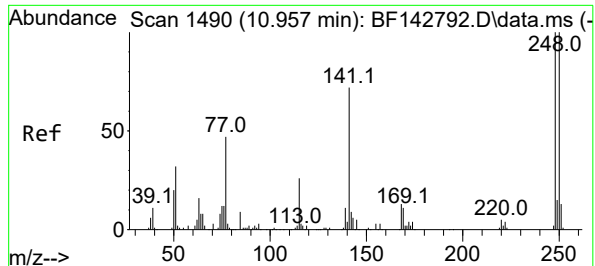
Tgt Ion:198 Resp: 28162
Ion Ratio Lower Upper
198 100
51 46.2 25.4 65.4
105 41.2 20.4 60.4



#66
n-Nitrosodiphenylamine
Concen: 47.150 ng
RT: 10.575 min Scan# 1425
Delta R.T. -0.006 min
Lab File: BF143033.D
Acq: 08 Jul 2025 15:03

Tgt Ion:169 Resp: 229029
Ion Ratio Lower Upper
169 100
168 66.1 51.9 77.9
167 35.3 28.5 42.7

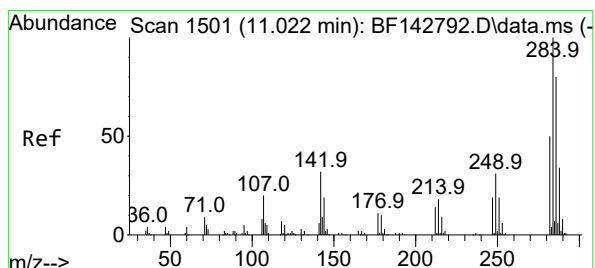
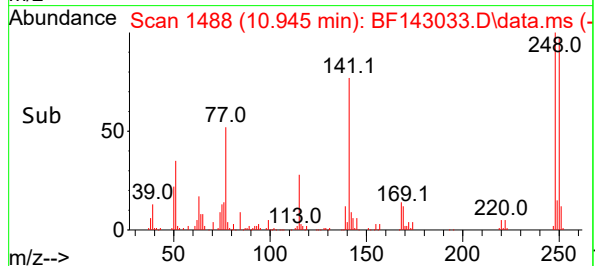
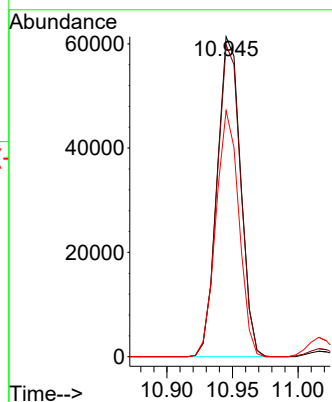
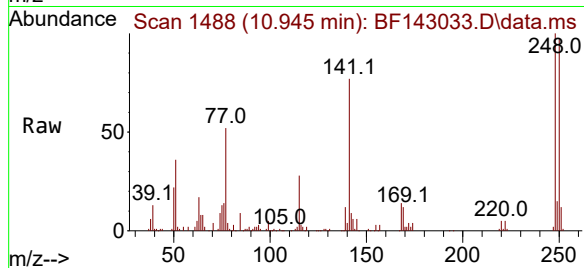




#67
4-Bromophenyl-phenylether
Concen: 47.889 ng
RT: 10.945 min Scan# 1488
Delta R.T. -0.012 min
Lab File: BF143033.D
Acq: 08 Jul 2025 15:03

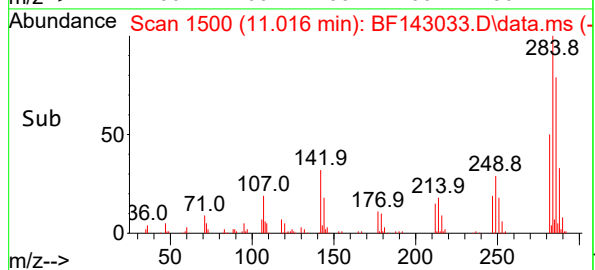
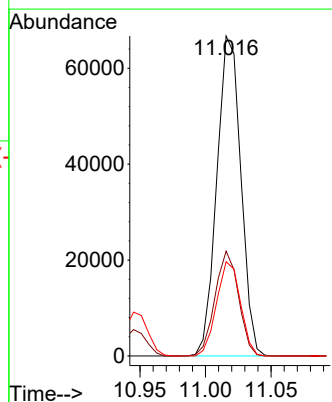
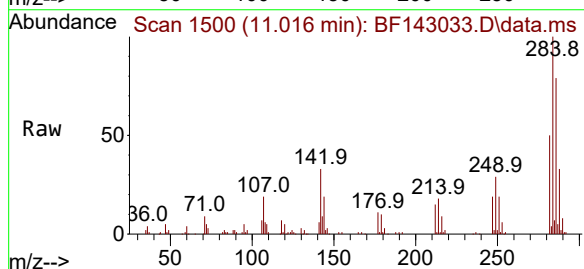
Instrument :
BNA_F
ClientSampleId :
TP-78MSD

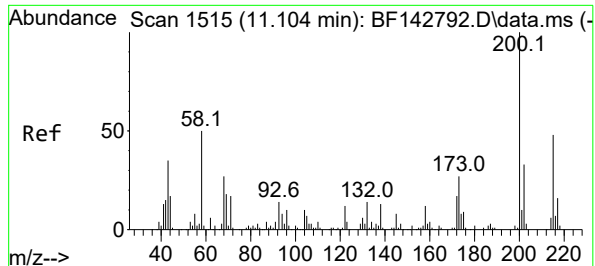
Tgt Ion:248 Resp: 76388
Ion Ratio Lower Upper
248 100
250 97.4 79.8 119.8
141 76.9 57.8 86.6



#68
Hexachlorobenzene
Concen: 47.904 ng
RT: 11.016 min Scan# 1500
Delta R.T. -0.006 min
Lab File: BF143033.D
Acq: 08 Jul 2025 15:03

Tgt Ion:284 Resp: 84907
Ion Ratio Lower Upper
284 100
142 32.8 25.5 38.3
249 29.5 24.9 37.3





#69

Atrazine

Concen: 47.225 ng

RT: 11.104 min Scan# 1515

Delta R.T. 0.000 min

Lab File: BF143033.D

Acq: 08 Jul 2025 15:03

Instrument :

BNA_F

ClientSampleId :

TP-78MSD

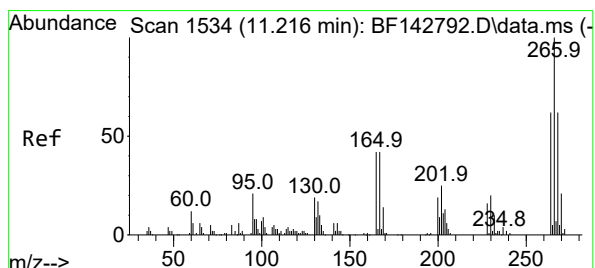
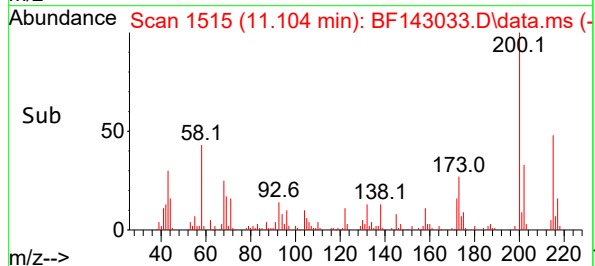
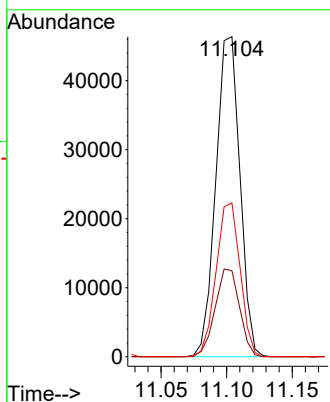
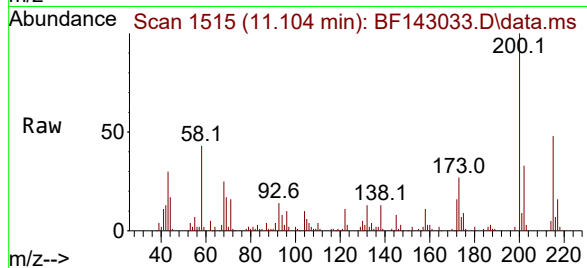
Tgt Ion:200 Resp: 59237

Ion Ratio Lower Upper

200 100

173 26.8 7.4 47.4

215 48.1 28.4 68.4



#70

Pentachlorophenol

Concen: 50.068 ng

RT: 11.216 min Scan# 1534

Delta R.T. 0.000 min

Lab File: BF143033.D

Acq: 08 Jul 2025 15:03

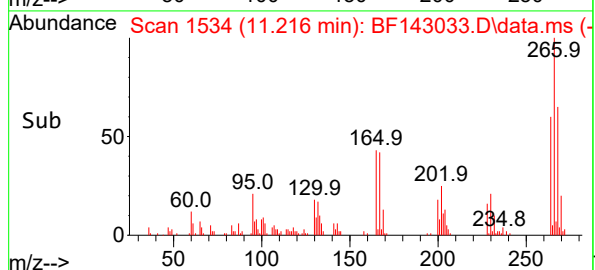
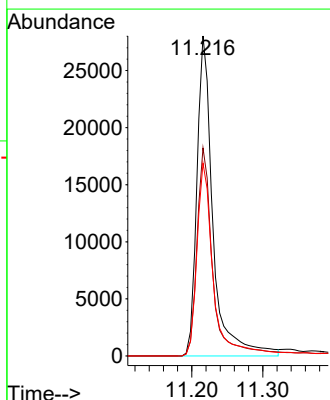
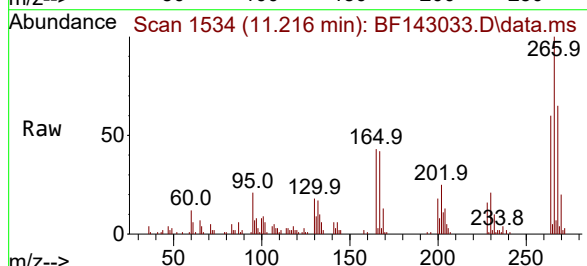
Tgt Ion:266 Resp: 44220

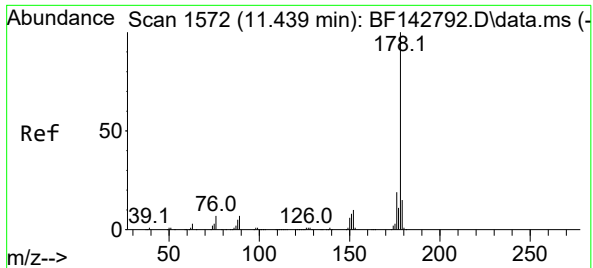
Ion Ratio Lower Upper

266 100

268 65.0 49.8 74.8

264 60.2 49.9 74.9





#71

Phenanthrene

Concen: 44.978 ng

RT: 11.433 min Scan# 1572

Delta R.T. -0.006 min

Lab File: BF143033.D

Acq: 08 Jul 2025 15:03

Instrument :

BNA_F

ClientSampleId :

TP-78MSD

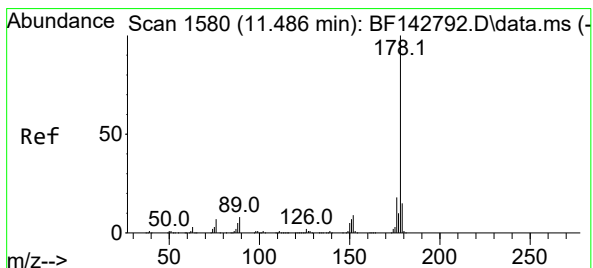
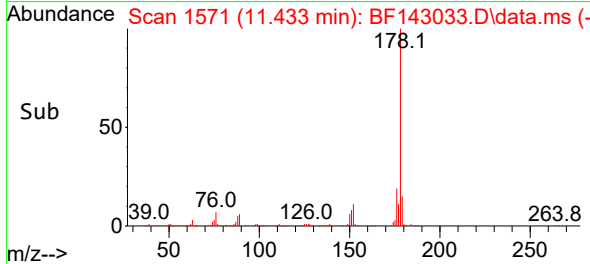
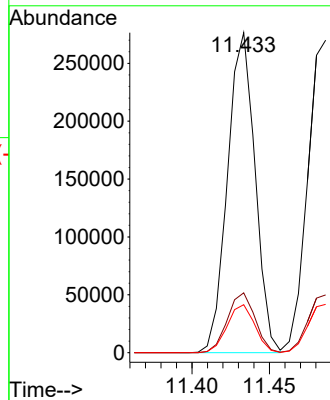
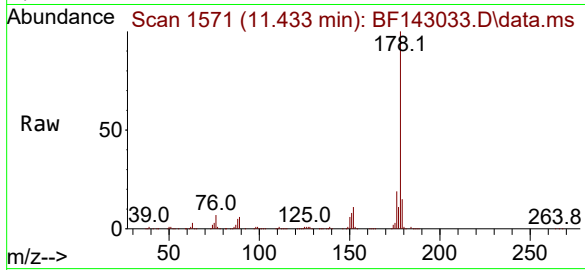
Tgt Ion:178 Resp: 341483

Ion Ratio Lower Upper

178 100

176 18.7 15.1 22.7

179 15.0 12.0 18.0



#72

Anthracene

Concen: 44.699 ng

RT: 11.486 min Scan# 1580

Delta R.T. 0.000 min

Lab File: BF143033.D

Acq: 08 Jul 2025 15:03

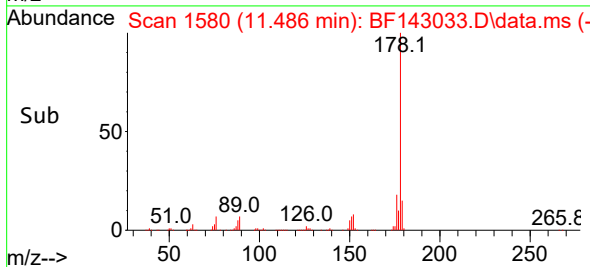
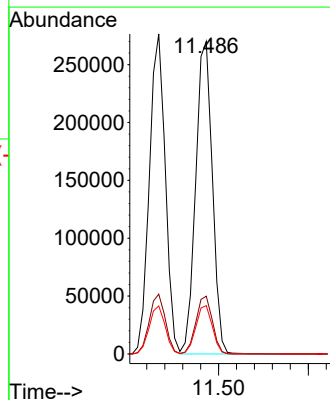
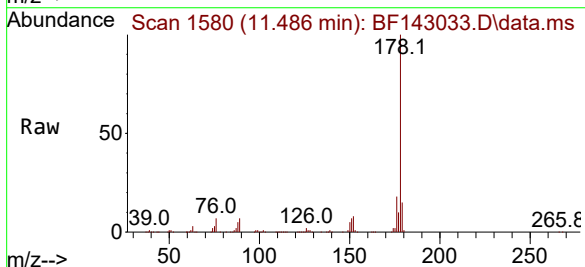
Tgt Ion:178 Resp: 348053

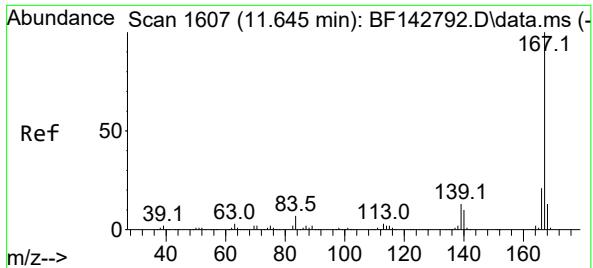
Ion Ratio Lower Upper

178 100

176 18.5 14.6 21.8

179 15.4 12.4 18.6

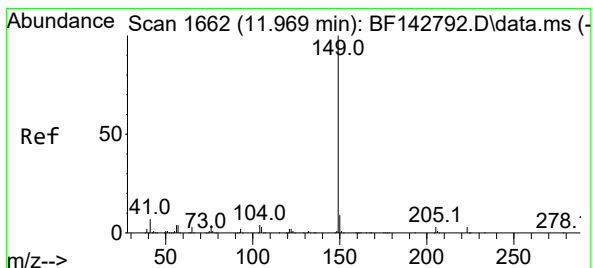
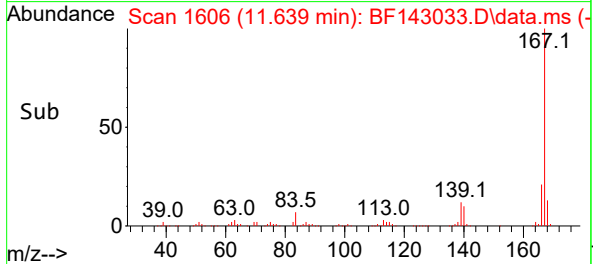
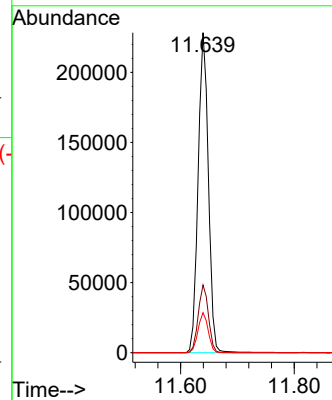
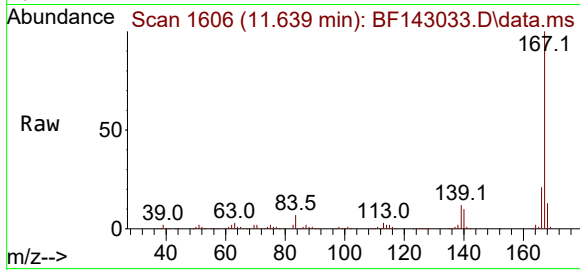




#73
Carbazole
Concen: 42.823 ng
RT: 11.639 min Scan# 1606
Delta R.T. -0.006 min
Lab File: BF143033.D
Acq: 08 Jul 2025 15:03

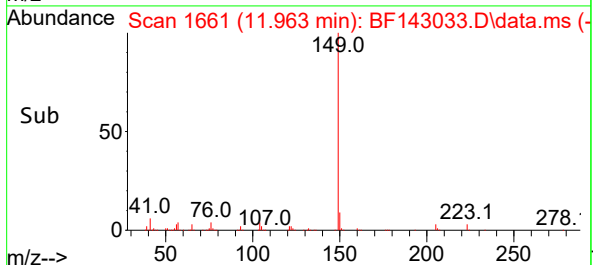
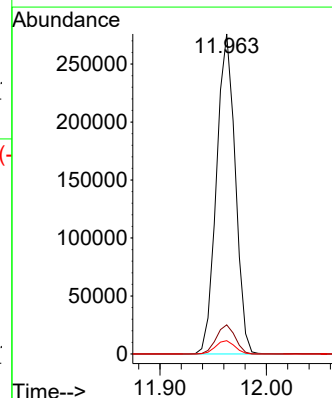
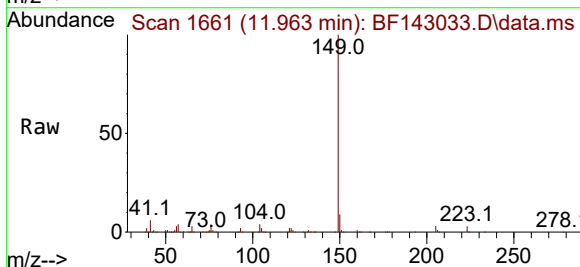
Instrument :
BNA_F
ClientSampleId :
TP-78MSD

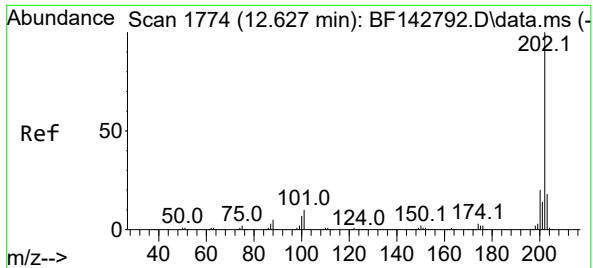
Tgt Ion:167 Resp: 287745
Ion Ratio Lower Upper
167 100
166 21.1 17.0 25.4
139 12.5 10.2 15.2



#74
Di-n-butylphthalate
Concen: 48.234 ng
RT: 11.963 min Scan# 1661
Delta R.T. -0.006 min
Lab File: BF143033.D
Acq: 08 Jul 2025 15:03

Tgt Ion:149 Resp: 337638
Ion Ratio Lower Upper
149 100
150 9.1 7.4 11.0
104 4.2 3.5 5.3

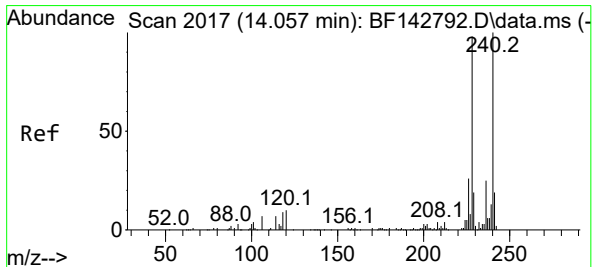
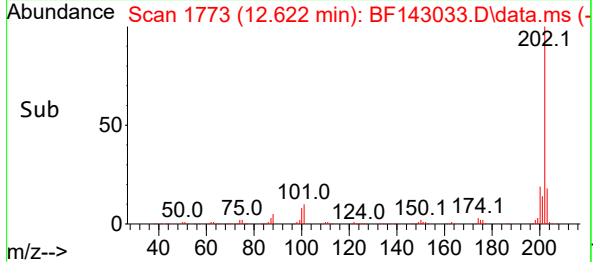
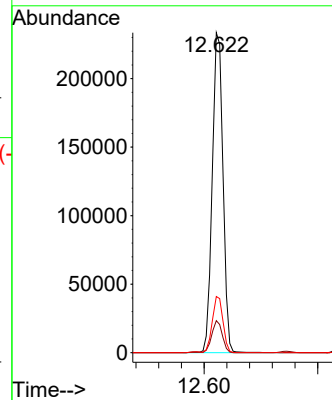
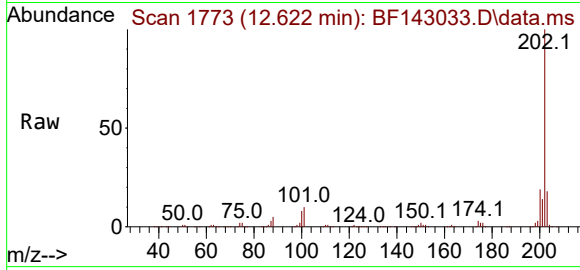




#75
Fluoranthene
Concen: 42.274 ng
RT: 12.622 min Scan# 1774
Delta R.T. -0.006 min
Lab File: BF143033.D
Acq: 08 Jul 2025 15:03

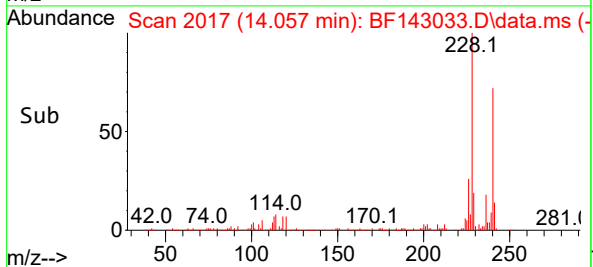
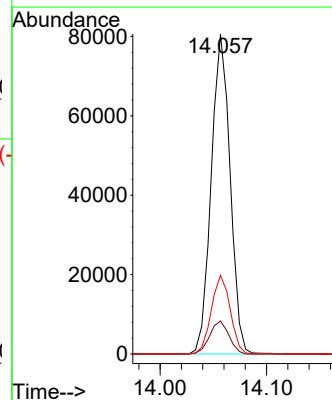
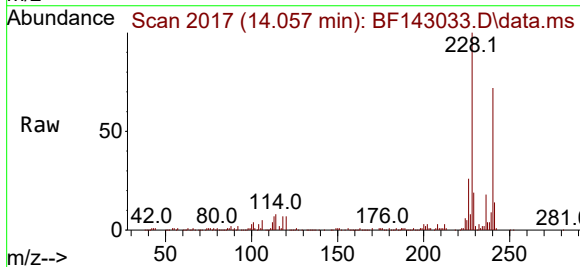
Instrument :
BNA_F
ClientSampleId :
TP-78MSD

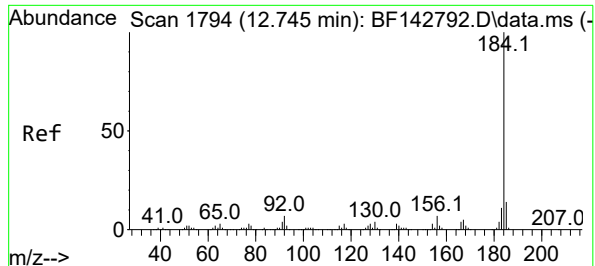
Tgt Ion:202 Resp: 304602
Ion Ratio Lower Upper
202 100
101 10.0 0.0 29.7
203 17.6 0.0 37.5



#76
Chrysene-d12
Concen: 20.000 ng
RT: 14.057 min Scan# 2017
Delta R.T. 0.000 min
Lab File: BF143033.D
Acq: 08 Jul 2025 15:03

Tgt Ion:240 Resp: 99167
Ion Ratio Lower Upper
240 100
120 10.3 8.2 12.2
236 24.6 19.8 29.8





#77

Benzidine

Concen: 55.220 ng

RT: 12.745 min Scan# 11

Delta R.T. 0.000 min

Lab File: BF143033.D

Acq: 08 Jul 2025 15:03

Instrument :

BNA_F

ClientSampleId :

TP-78MSD

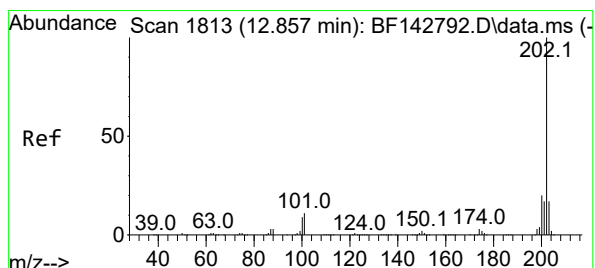
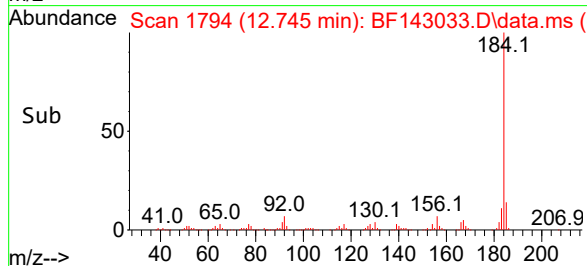
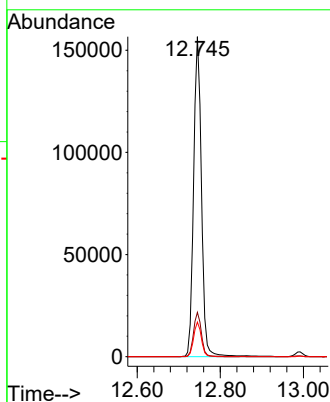
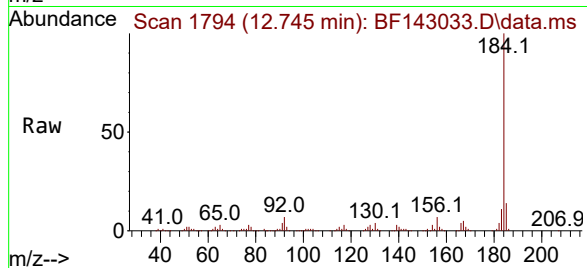
Tgt Ion:184 Resp: 205738

Ion Ratio Lower Upper

184 100

185 13.9 11.5 17.3

183 10.8 9.0 13.4



#78

Pyrene

Concen: 33.005 ng

RT: 12.851 min Scan# 1812

Delta R.T. -0.006 min

Lab File: BF143033.D

Acq: 08 Jul 2025 15:03

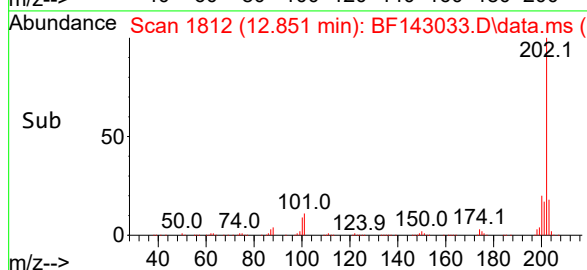
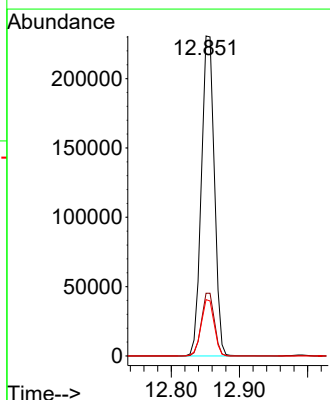
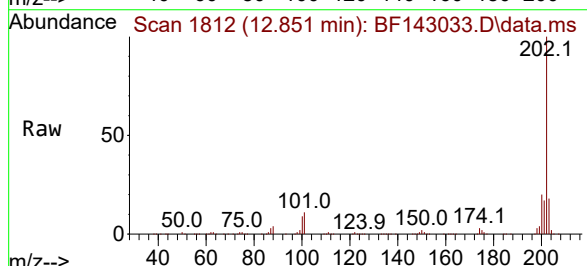
Tgt Ion:202 Resp: 306793

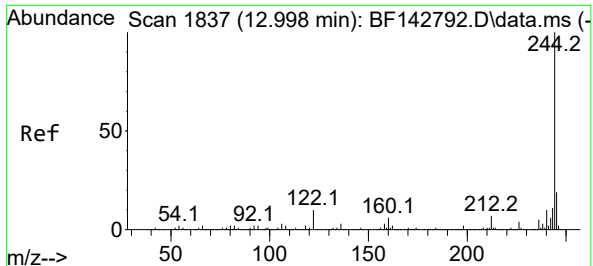
Ion Ratio Lower Upper

202 100

200 19.6 15.7 23.5

203 17.6 13.8 20.6





#79

Terphenyl-d14

Concen: 34.051 ng

RT: 12.992 min Scan# 1836

Delta R.T. -0.006 min

Lab File: BF143033.D

Acq: 08 Jul 2025 15:03

Instrument :

BNA_F

ClientSampleId :

TP-78MSD

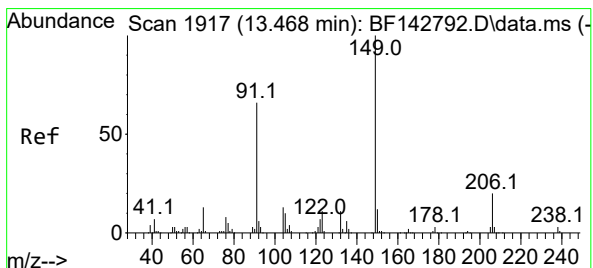
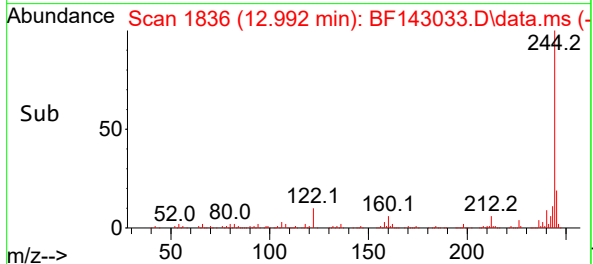
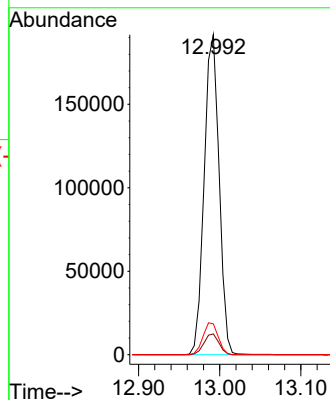
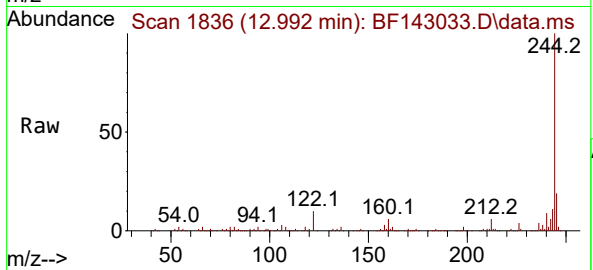
Tgt Ion:244 Resp: 244393

Ion Ratio Lower Upper

244 100

212 6.5 5.4 8.0

122 9.7 8.2 12.2



#80

Butylbenzylphthalate

Concen: 46.082 ng

RT: 13.463 min Scan# 1916

Delta R.T. -0.006 min

Lab File: BF143033.D

Acq: 08 Jul 2025 15:03

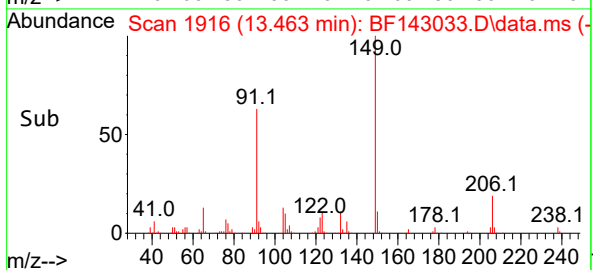
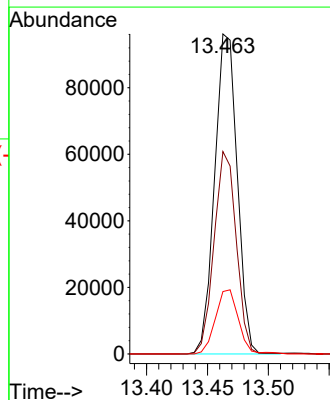
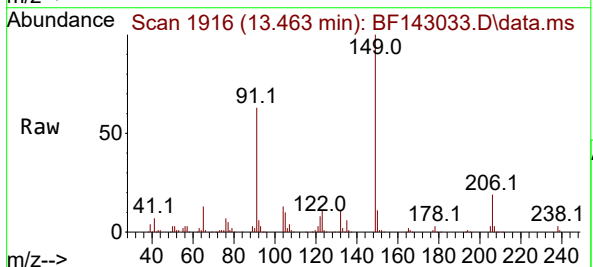
Tgt Ion:149 Resp: 124253

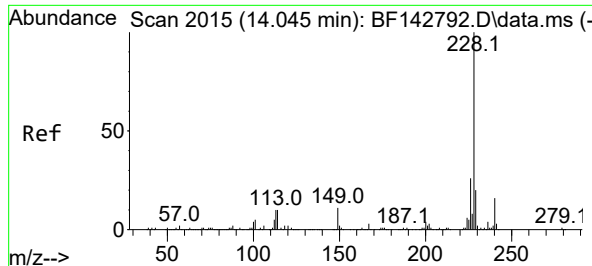
Ion Ratio Lower Upper

149 100

91 63.3 52.9 79.3

206 19.5 16.3 24.5

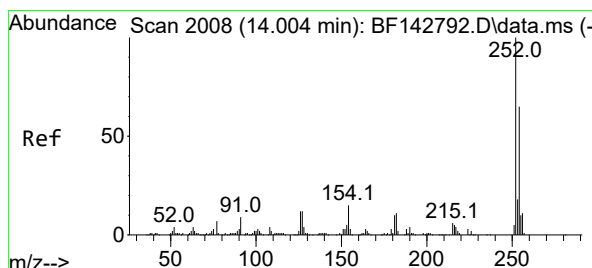
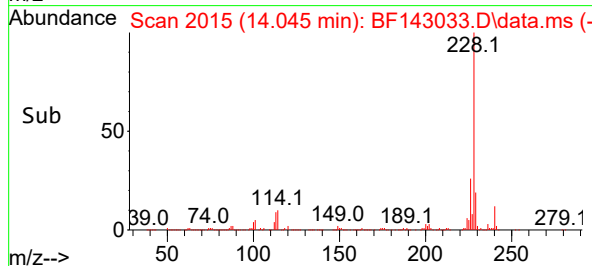
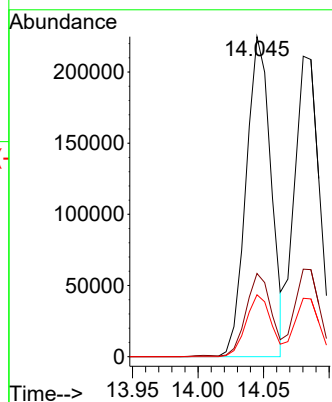
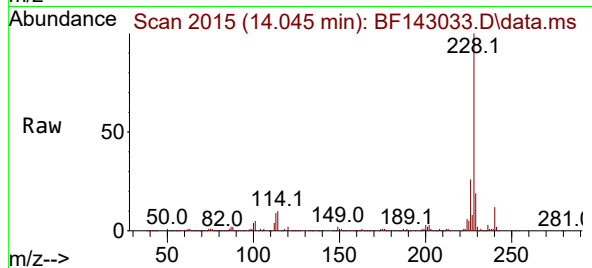




#81
Benzo(a)anthracene
Concen: 44.491 ng
RT: 14.045 min Scan# 2015
Delta R.T. 0.000 min
Lab File: BF143033.D
Acq: 08 Jul 2025 15:03

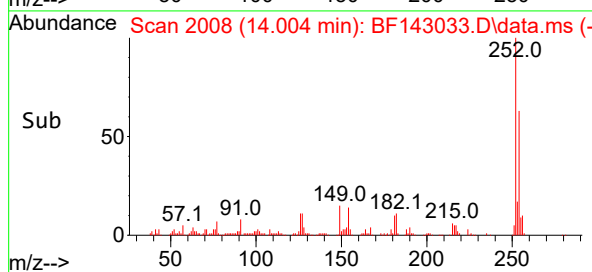
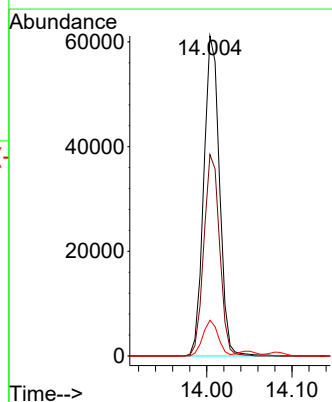
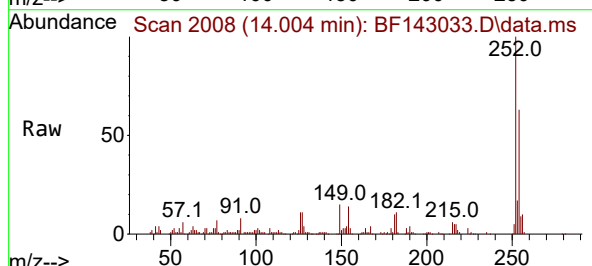
Instrument :
BNA_F
ClientSampleId :
TP-78MSD

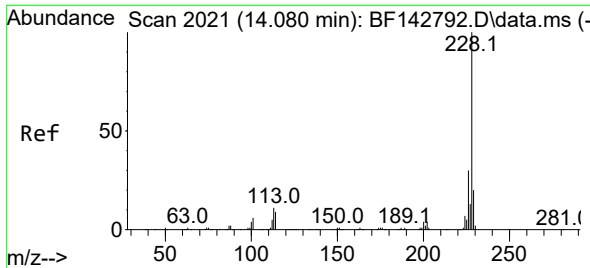
Tgt Ion:228 Resp: 297642
Ion Ratio Lower Upper
228 100
226 26.0 21.2 31.8
229 19.4 15.6 23.4



#82
3,3'-Dichlorobenzidine
Concen: 36.051 ng
RT: 14.004 min Scan# 2008
Delta R.T. 0.000 min
Lab File: BF143033.D
Acq: 08 Jul 2025 15:03

Tgt Ion:252 Resp: 78228
Ion Ratio Lower Upper
252 100
254 63.0 51.7 77.5
126 11.1 9.4 14.2

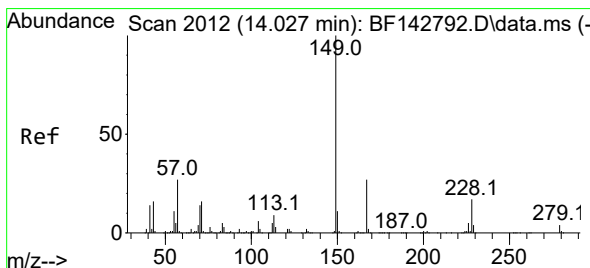
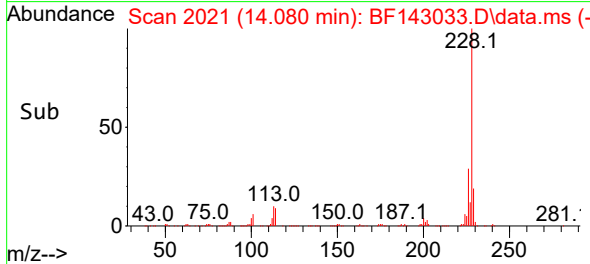
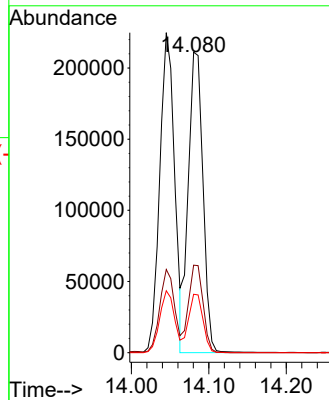
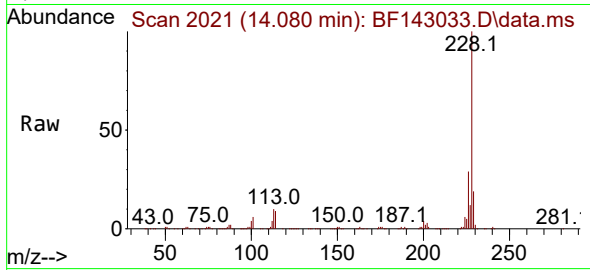




#83
Chrysene
Concen: 46.494 ng
RT: 14.080 min Scan# 2011
Delta R.T. 0.000 min
Lab File: BF143033.D
Acq: 08 Jul 2025 15:03

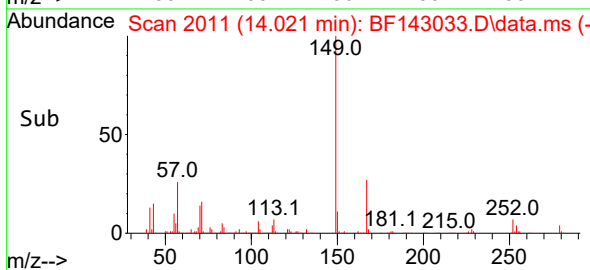
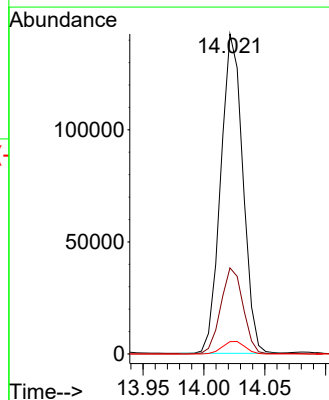
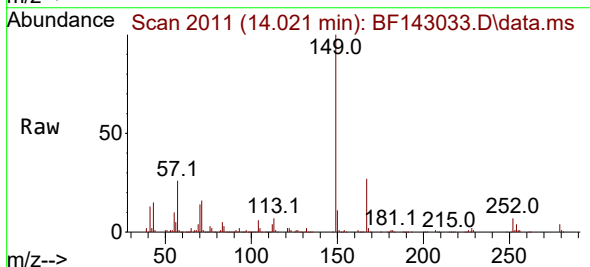
Instrument :
BNA_F
ClientSampleId :
TP-78MSD

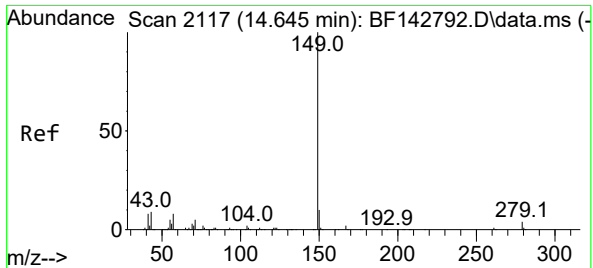
Tgt Ion:228 Resp: 277545
Ion Ratio Lower Upper
228 100
226 29.1 23.7 35.5
229 19.4 15.7 23.5



#84
Bis(2-ethylhexyl)phthalate
Concen: 46.532 ng
RT: 14.021 min Scan# 2011
Delta R.T. -0.006 min
Lab File: BF143033.D
Acq: 08 Jul 2025 15:03

Tgt Ion:149 Resp: 180518
Ion Ratio Lower Upper
149 100
167 26.9 21.4 32.0
279 3.9 3.0 4.6

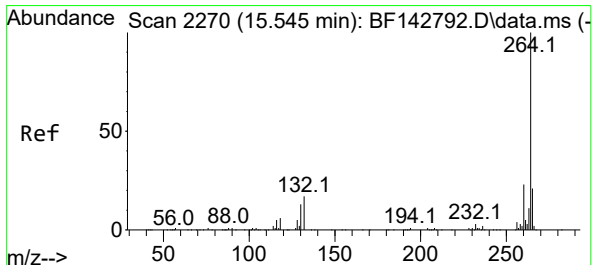
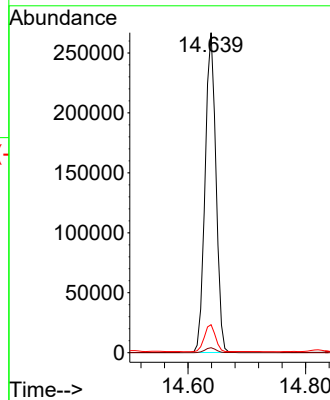
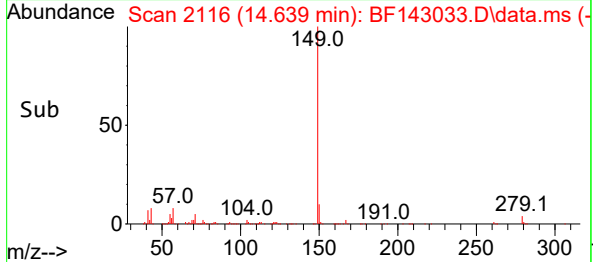
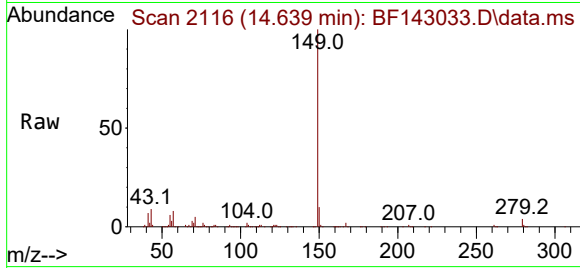




#85
Di-n-octyl phthalate
Concen: 46.759 ng
RT: 14.639 min Scan# 2116
Delta R.T. -0.006 min
Lab File: BF143033.D
Acq: 08 Jul 2025 15:03

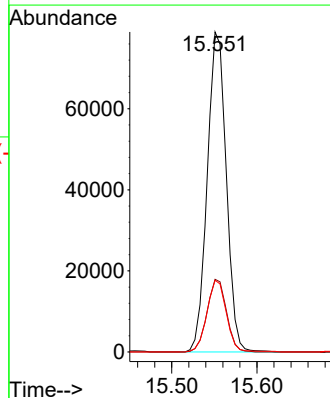
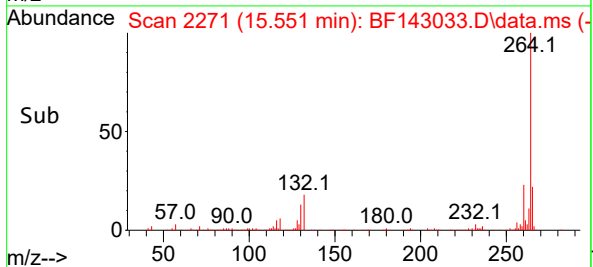
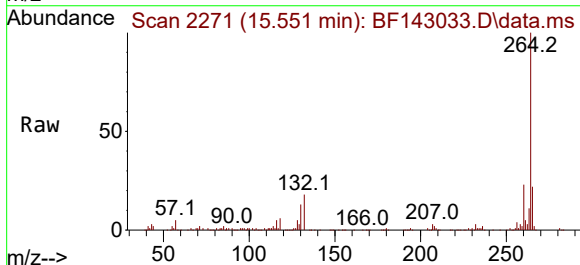
Instrument :
BNA_F
ClientSampleId :
TP-78MSD

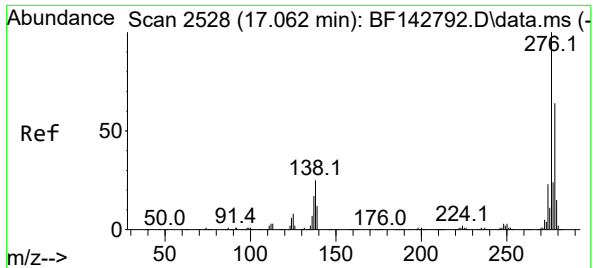
Tgt Ion:149 Resp: 342049
Ion Ratio Lower Upper
149 100
167 1.6 1.3 1.9
43 8.6 7.6 11.4



#86
Perylene-d12
Concen: 20.000 ng
RT: 15.551 min Scan# 2271
Delta R.T. 0.006 min
Lab File: BF143033.D
Acq: 08 Jul 2025 15:03

Tgt Ion:264 Resp: 122553
Ion Ratio Lower Upper
264 100
260 22.7 18.1 27.1
265 22.4 16.6 25.0





#87

Indeno(1,2,3-cd)pyrene

Concen: 36.071 ng

RT: 17.080 min Scan# 2197

Delta R.T. 0.018 min

Lab File: BF143033.D

Acq: 08 Jul 2025 15:03

Instrument :

BNA_F

ClientSampleId :

TP-78MSD

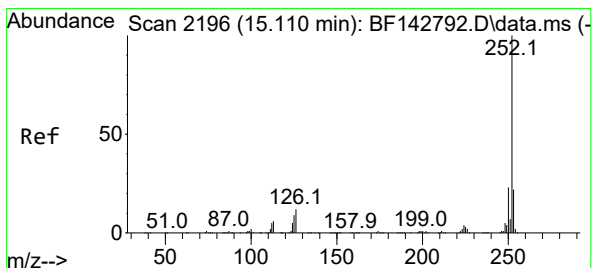
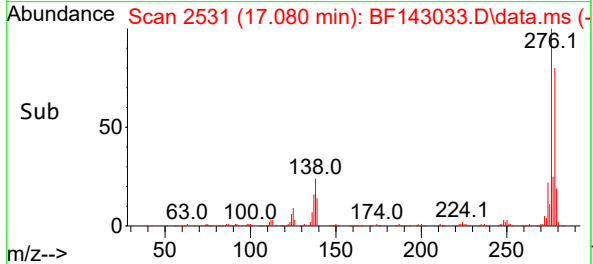
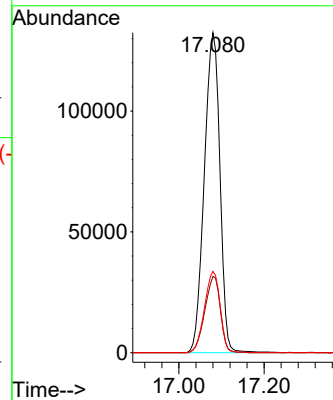
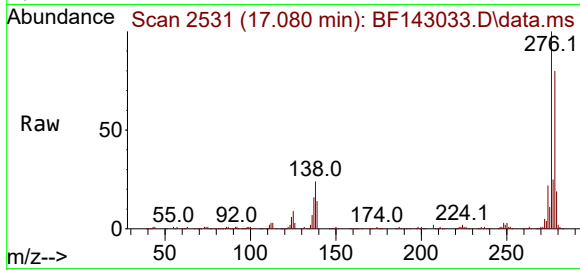
Tgt Ion:276 Resp: 336716

Ion Ratio Lower Upper

276 100

138 23.7 20.2 30.4

277 25.5 19.8 29.6



#88

Benzo(b)fluoranthene

Concen: 48.144 ng

RT: 15.115 min Scan# 2197

Delta R.T. 0.006 min

Lab File: BF143033.D

Acq: 08 Jul 2025 15:03

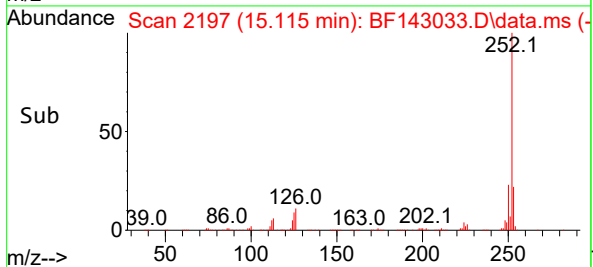
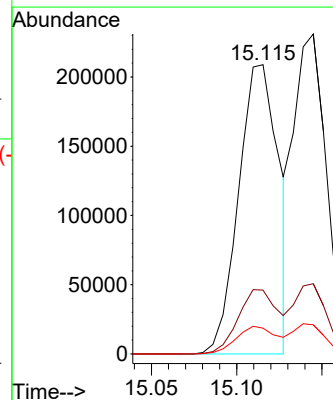
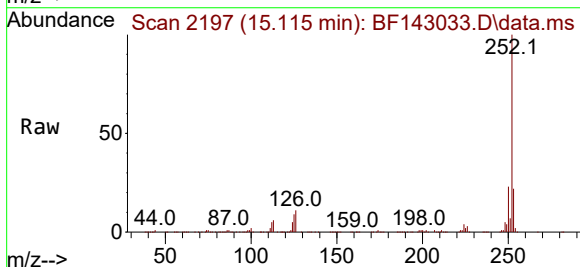
Tgt Ion:252 Resp: 341411

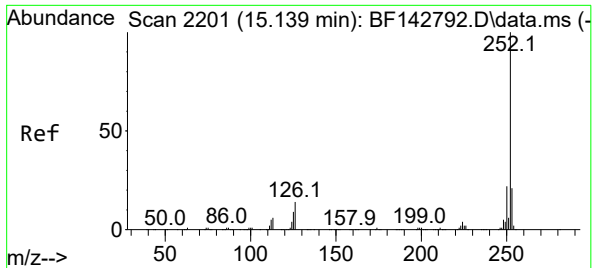
Ion Ratio Lower Upper

252 100

253 22.1 17.5 26.3

125 8.9 7.4 11.0





#89

Benzo(k)fluoranthene

Concen: 46.486 ng

RT: 15.145 min Scan# 2201

Delta R.T. 0.006 min

Lab File: BF143033.D

Acq: 08 Jul 2025 15:03

Instrument :

BNA_F

ClientSampleId :

TP-78MSD

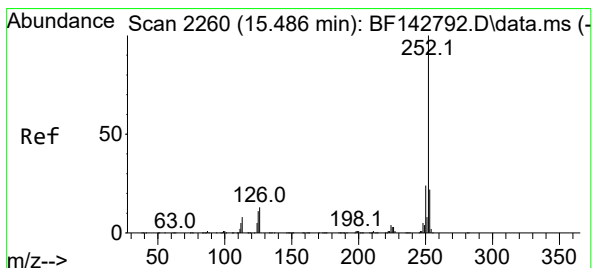
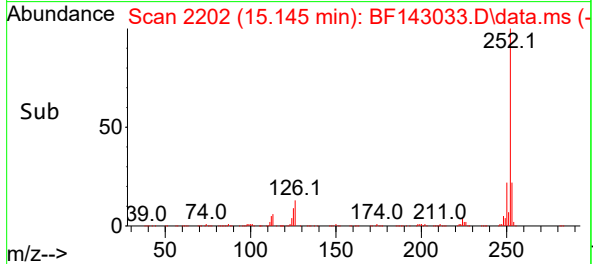
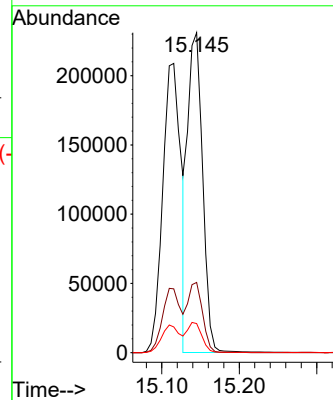
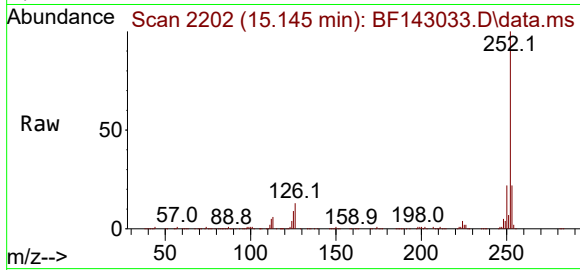
Tgt Ion:252 Resp: 308416

Ion Ratio Lower Upper

252 100

253 21.9 17.2 25.8

125 9.1 7.4 11.2



#90

Benzo(a)pyrene

Concen: 46.832 ng

RT: 15.492 min Scan# 2261

Delta R.T. 0.006 min

Lab File: BF143033.D

Acq: 08 Jul 2025 15:03

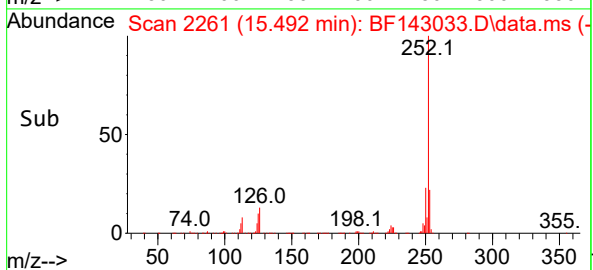
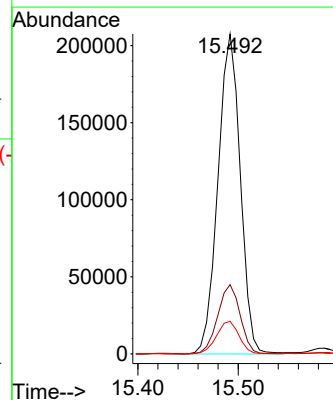
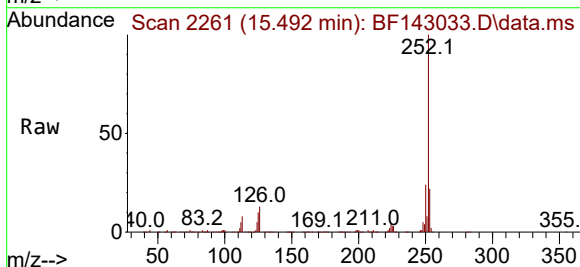
Tgt Ion:252 Resp: 320836

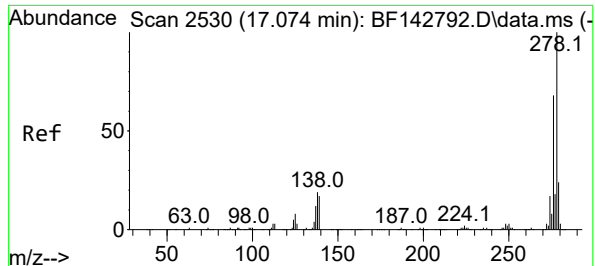
Ion Ratio Lower Upper

252 100

253 21.7 17.5 26.3

125 10.2 8.6 12.8





#91

Dibenzo(a,h)anthracene

Concen: 35.753 ng

RT: 17.092 min Scan# 21

Delta R.T. 0.018 min

Lab File: BF143033.D

Acq: 08 Jul 2025 15:03

Instrument :

BNA_F

ClientSampleId :

TP-78MSD

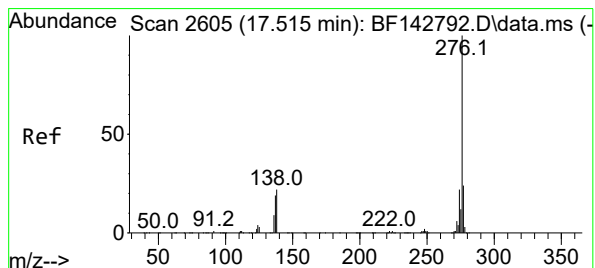
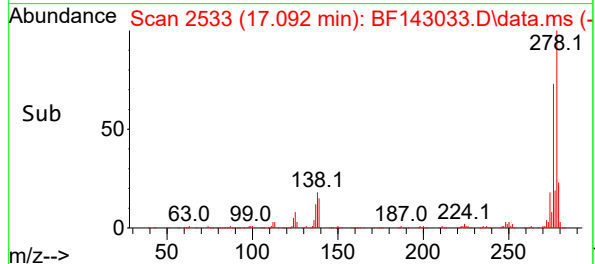
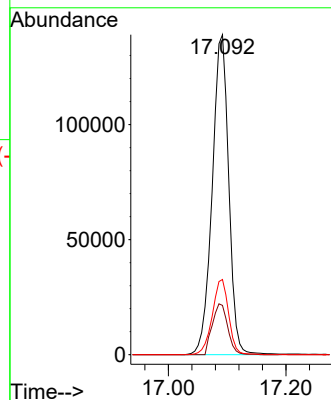
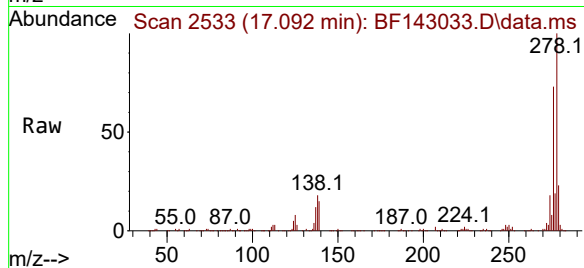
Tgt Ion:278 Resp: 271177

Ion Ratio Lower Upper

278 100

139 15.4 13.5 20.3

279 23.5 18.8 28.2



#92

Benzo(g,h,i)perylene

Concen: 33.469 ng

RT: 17.533 min Scan# 2608

Delta R.T. 0.018 min

Lab File: BF143033.D

Acq: 08 Jul 2025 15:03

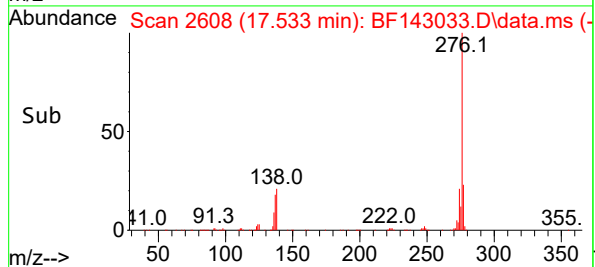
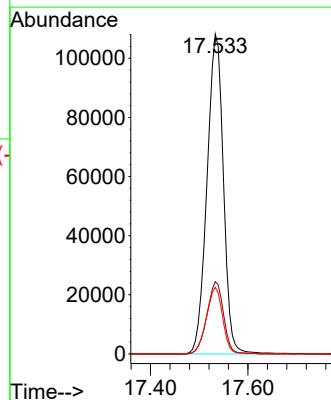
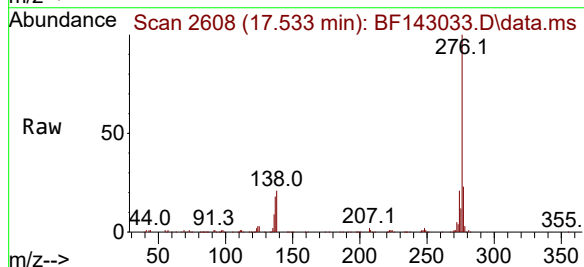
Tgt Ion:276 Resp: 253133

Ion Ratio Lower Upper

276 100

277 22.6 18.8 28.2

138 20.8 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:

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

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
Q2514-08MS	BF143032.D	2,4-Dimethylphenol	Rahul	7/9/2025 9:40:50 AM	Jagrut	7/9/2025 2:16:12 PM	Peak Integrated by Software
Q2514-08MS	BF143032.D	Acenaphthene	Rahul	7/9/2025 9:40:50 AM	Jagrut	7/9/2025 2:16:12 PM	Peak Integrated by Software
Q2514-08MSD	BF143033.D	2,4-Dimethylphenol	Rahul	7/9/2025 9:40:53 AM	Jagrut	7/9/2025 2:16:15 PM	Peak Integrated by Software
Q2514-08MSD	BF143033.D	Acenaphthene	Rahul	7/9/2025 9:40:53 AM	Jagrut	7/9/2025 2:16:15 PM	Peak Integrated by Software
Q2514-05	BF143038.D	Benzo(b)fluoranthene	Rahul	7/9/2025 9:40:56 AM	Jagrut	7/9/2025 2:16:17 PM	Peak Integrated by Software
Q2514-10	BF143045.D	Benzo(b)fluoranthene	Rahul	7/9/2025 9:41:08 AM	Jagrut	7/9/2025 2:16:25 PM	Peak Integrated by Software
Q2514-04	BF143046.D	Benzo(b)fluoranthene	Rahul	7/9/2025 9:41:12 AM	Jagrut	7/9/2025 2:16:27 PM	Peak Integrated by Software
Q2514-04	BF143046.D	Benzo(k)fluoranthene	Rahul	7/9/2025 9:41:12 AM	Jagrut	7/9/2025 2:16:27 PM	Peak Integrated by Software



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Manual Integration Report

Sequence:

bf070925

Instrument

BNA_f

Sample ID

File ID

Parameter

Review By

Review On

Supervised
By

Supervised On

Reason

Instrument ID: BNA_F

Daily Analysis Runlog For Sequence/QC Batch ID # BF061925

Review By	Rahul	Review On	6/23/2025 3:55:52 PM
Supervise By	Jagrut	Supervise On	6/24/2025 3:17:49 PM
SubDirectory	BF061925	HP Acquire Method	BNA_F
		HP Processing Method	bf061925
STD. NAME	STD REF.#		
Tune/Reschk	SP6757		
Initial Calibration Stds	SP6833,SP6834,SP6835,SP6836,SP6837,SP6838,SP6839,SP6840		
CCC	SP6836		
Internal Standard/PEM	S12670,10ul/1000ul sample		
ICV/I.BLK	SP6770		
Surrogate Standard			
MS/MSD Standard			
LCS Standard			

Sr#	SampleId	Data File Name	Date-Time	Operator	Status
1	DFTPP	BF142787.D	19 Jun 2025 16:37	RC/JU	Ok
2	SSTDICC2.5	BF142788.D	19 Jun 2025 17:07	RC/JU	Ok
3	SSTDICC005	BF142789.D	19 Jun 2025 17:38	RC/JU	Ok
4	SSTDICC010	BF142790.D	19 Jun 2025 18:08	RC/JU	Ok
5	SSTDICC020	BF142791.D	19 Jun 2025 18:39	RC/JU	Ok
6	SSTDICCC040	BF142792.D	19 Jun 2025 19:09	RC/JU	Ok
7	SSTDICC050	BF142793.D	19 Jun 2025 19:40	RC/JU	Ok
8	SSTDICC060	BF142794.D	19 Jun 2025 20:10	RC/JU	Ok
9	SSTDICC080	BF142795.D	19 Jun 2025 20:40	RC/JU	Ok
10	SSTDICV040	BF142796.D	19 Jun 2025 21:10	RC/JU	Ok
11	PB168536BL	BF142797.D	19 Jun 2025 22:10	RC/JU	Ok
12	PB168536BS	BF142798.D	19 Jun 2025 22:40	RC/JU	Ok,M

M : Manual Integration

Instrument ID: **BNA_F**

Daily Analysis Runlog For Sequence/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/QCBatch ID # BF070925

Review By	Rahul	Review On	7/9/2025 3:55:15 PM
Supervise By		Supervise On	
SubDirectory	BF070925	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	BF143047.D	09 Jul 2025 10:22	RC/JU	Ok
2	SSTDCCC040	BF143048.D	09 Jul 2025 10:52	RC/JU	Ok,NR
3	PB168737BL	BF143049.D	09 Jul 2025 11:23	RC/JU	Ok
4	PB168737BS	BF143050.D	09 Jul 2025 11:54	RC/JU	Ok,NR
5	PB168750BL	BF143051.D	09 Jul 2025 12:24	RC/JU	Ok
6	PB168750BS	BF143052.D	09 Jul 2025 12:54	RC/JU	Ok,NR
7	Q2489-06	BF143053.D	09 Jul 2025 13:27	RC/JU	Ok
8	Q2489-07	BF143054.D	09 Jul 2025 13:57	RC/JU	Ok
9	Q2489-08	BF143055.D	09 Jul 2025 14:28	RC/JU	Ok
10	Q2489-03	BF143056.D	09 Jul 2025 14:58	RC/JU	Ok
11	Q2489-04	BF143057.D	09 Jul 2025 15:28	RC/JU	Ok
12	Q2489-05	BF143058.D	09 Jul 2025 15:59	RC/JU	Ok
13	Q2517-01	BF143059.D	09 Jul 2025 16:29	RC/JU	Ok
14	Q2517-01MS	BF143060.D	09 Jul 2025 17:00	RC/JU	Ok,NR
15	Q2517-01MSD	BF143061.D	09 Jul 2025 17:30	RC/JU	Ok,NR
16	Q2529-07	BF143062.D	09 Jul 2025 18:01	RC/JU	Ok
17	Q2487-13	BF143063.D	09 Jul 2025 18:31	RC/JU	Dilution
18	Q2487-09	BF143064.D	09 Jul 2025 19:02	RC/JU	Ok,NR
19	Q2529-06	BF143065.D	09 Jul 2025 19:33	RC/JU	Not Ok
20	Q2527-01	BF143066.D	09 Jul 2025 20:04	RC/JU	ReRun
21	Q2487-16	BF143067.D	09 Jul 2025 20:34	RC/JU	ReRun

Instrument ID: **BNA_F**

Daily Analysis Runlog For Sequence/QCBatch ID # BF070925

Review By	Rahul	Review On	7/9/2025 3:55:15 PM
Supervise By		Supervise On	
SubDirectory	BF070925	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	Q2487-11	BF143068.D	09 Jul 2025 21:04	RC/JU	ReRun
23	Q2487-15	BF143069.D	09 Jul 2025 21:35	RC/JU	ReRun

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 # 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 Initial Calibration Stds	SP6757 SP6833,SP6834,SP6835,SP6836,SP6837,SP6838,SP6839,SP6840
CCC Internal Standard/PEM ICV/I.BLK Surrogate Standard MS/MSD Standard LCS Standard	SP6836 S12672,10ul/1000ul sample SP6770

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

Instrument ID: BNA_F

Daily Analysis Runlog For Sequence/QC Batch ID # BF070925

Review By	Rahul	Review On	7/9/2025 3:55:15 PM
Supervise By		Supervise On	
SubDirectory	BF070925	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	BF143047.D	09 Jul 2025 10:22		RC/JU	Ok
2	SSTDCCC040	SSTDCCC040	BF143048.D	09 Jul 2025 10:52		RC/JU	Ok,NR
3	PB168737BL	PB168737BL	BF143049.D	09 Jul 2025 11:23		RC/JU	Ok
4	PB168737BS	PB168737BS	BF143050.D	09 Jul 2025 11:54		RC/JU	Ok,NR
5	PB168750BL	PB168750BL	BF143051.D	09 Jul 2025 12:24		RC/JU	Ok
6	PB168750BS	PB168750BS	BF143052.D	09 Jul 2025 12:54		RC/JU	Ok,NR
7	Q2489-06	G2(6-12)	BF143053.D	09 Jul 2025 13:27		RC/JU	Ok
8	Q2489-07	G1(0-6)	BF143054.D	09 Jul 2025 13:57		RC/JU	Ok
9	Q2489-08	G1(6-12)	BF143055.D	09 Jul 2025 14:28		RC/JU	Ok
10	Q2489-03	G3(0-6)	BF143056.D	09 Jul 2025 14:58		RC/JU	Ok
11	Q2489-04	G3(6-12)	BF143057.D	09 Jul 2025 15:28		RC/JU	Ok
12	Q2489-05	G2(0-6)	BF143058.D	09 Jul 2025 15:59		RC/JU	Ok
13	Q2517-01	TP-14	BF143059.D	09 Jul 2025 16:29		RC/JU	Ok
14	Q2517-01MS	TP-14MS	BF143060.D	09 Jul 2025 17:00		RC/JU	Ok,NR
15	Q2517-01MSD	TP-14MSD	BF143061.D	09 Jul 2025 17:30		RC/JU	Ok,NR
16	Q2529-07	TP-101	BF143062.D	09 Jul 2025 18:01		RC/JU	Ok
17	Q2487-13	G2(0-6)	BF143063.D	09 Jul 2025 18:31	Need further 2X Dilution	RC/JU	Dilution
18	Q2487-09	G4(0-6)	BF143064.D	09 Jul 2025 19:02		RC/JU	Ok,NR

Instrument ID: BNA_F

Daily Analysis Runlog For Sequence/QC Batch ID # BF070925

Review By	Rahul	Review On	7/9/2025 3:55:15 PM
Supervise By		Supervise On	
SubDirectory	BF070925	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	Q2529-06	TP-102	BF143065.D	09 Jul 2025 19:33	Need Straight Run	RC/JU	Not Ok
20	Q2527-01	AR520-0015	BF143066.D	09 Jul 2025 20:04	Internal standard fail	RC/JU	ReRun
21	Q2487-16	G1(6-12)	BF143067.D	09 Jul 2025 20:34	Internal standard fail	RC/JU	ReRun
22	Q2487-11	G3(0-6)	BF143068.D	09 Jul 2025 21:04	Internal standard fail	RC/JU	ReRun
23	Q2487-15	G1(0-6)	BF143069.D	09 Jul 2025 21:35	Internal standard fail	RC/JU	ReRun

M : Manual Integration



PERCENT SOLID

Supervisor: Iwona
Analyst: jignesh
Date: 7/7/2025

OVENTEMP IN Celsius(°C): 107
Time IN: 17:30
In Date: 07/03/2025
Weight Check 1.0g: 1.00
Weight Check 10g: 10.00
OvenID: M OVEN#1

OVENTEMP OUT Celsius(°C): 104
Time OUT: 08:37
Out Date: 07/04/2025
Weight Check 1.0g: 1.00
Weight Check 10g: 10.00
BalanceID: M SC-4
Thermometer ID: % SOLID-OVEN

QC:LB136368

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
Q2487-01	G4 (1.5)	1	1.15	10.21	11.36	10.14	88.1	
Q2487-02	G4 (10)	2	1.19	10.38	11.57	8.76	72.9	
Q2487-03	G3 (9)	3	1.15	10.66	11.81	7.38	58.4	
Q2487-04	G3 (3)	4	1.15	10.80	11.95	10.8	89.4	
Q2487-05	G2 (2.5)	5	1.17	10.00	11.17	10.48	93.1	
Q2487-06	G2 (9)	6	1.16	10.26	11.42	8.00	66.7	
Q2487-07	G1 (4.5)	7	1.19	10.11	11.3	7.8	65.4	
Q2487-08	G1 (10)	8	1.16	9.96	11.12	6.65	55.1	
Q2487-09	G4 (0-6)	9	1.18	10.26	11.44	10.12	87.1	
Q2487-10	G4 (6-12)	10	1.16	10.14	11.3	8.52	72.6	
Q2487-11	G3 (0-6)	11	1.18	10.42	11.6	10.68	91.2	
Q2487-12	G3 (6-12)	12	1.18	10.41	11.59	8.49	70.2	
Q2487-13	G2 (0-6)	13	1.17	9.95	11.12	10.11	89.8	
Q2487-14	G2 (6-12)	14	1.16	10.68	11.84	8.39	67.7	
Q2487-15	G1 (0-6)	15	1.17	10.55	11.72	9.68	80.7	
Q2487-16	G1 (6-12)	16	1.13	10.24	11.37	10.68	93.3	
Q2501-05	SVOC-GPC-BLANK	17	1.00	1.00	2.00	2.00	100.0	
Q2501-06	PEST-GPC-BLANK	18	1.00	1.00	2.00	2.00	100.0	
Q2501-07	PEST-GPC-BLANK-SPIKE	19	1.00	1.00	2.00	2.00	100.0	
Q2501-08	PCB-GPC-BLANK	20	1.00	1.00	2.00	2.00	100.0	
Q2501-09	PCB-GPC-BLANK-SPIKE	21	1.00	1.00	2.00	2.00	100.0	
Q2501-10	SVOC-GPC-BLANK	22	1.00	1.00	2.00	2.00	100.0	
Q2501-11	PEST-GPC-BLANK	23	1.00	1.00	2.00	2.00	100.0	
Q2501-12	PEST-GPC-BLANK-SPIKE	24	1.00	1.00	2.00	2.00	100.0	
Q2501-13	PCB-GPC2-BLANK	25	1.00	1.00	2.00	2.00	100.0	
Q2501-14	PCB-GPC2-BLANK-SPIKE	26	1.00	1.00	2.00	2.00	100.0	
Q2503-03	GCAP2	27	1.18	10.65	11.83	8.76	71.2	
Q2503-04	GCAP3	28	1.18	10.64	11.82	8.16	65.6	

PERCENT SOLID

Supervisor: Iwona
Analyst: jignesh
Date: 7/7/2025

OVENTEMP IN Celsius(°C): 107
Time IN: 17:30
In Date: 07/03/2025
Weight Check 1.0g: 1.00
Weight Check 10g: 10.00
OvenID: M OVEN#1

OVENTEMP OUT Celsius(°C): 104
Time OUT: 08:37
Out Date: 07/04/2025
Weight Check 1.0g: 1.00
Weight Check 10g: 10.00
BalanceID: M SC-4
Thermometer ID: % SOLID-OVEN

QC:LB136368

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
Q2503-05	GCAP2A	29	1.18	10.30	11.48	9.11	77.0	
Q2504-01	WASTE	30	1.14	10.73	11.87	10.16	84.1	
Q2504-02	VOC	31	1.18	10.81	11.99	10.45	85.8	
Q2504-03	1	32	1.14	10.84	11.98	10.36	85.1	
Q2504-04	2	33	1.19	10.41	11.6	9.91	83.8	
Q2504-05	3	34	1.13	10.75	11.88	10.22	84.6	
Q2504-06	4	35	1.14	10.52	11.66	10.03	84.5	
Q2504-07	5	36	1.12	10.87	11.99	10.16	83.2	
Q2505-01	#62825	37	1.00	1.00	2.00	2.00	100.0	WIPE SAMPLE
Q2505-02	#62525	38	1.00	1.00	2.00	2.00	100.0	WIPE SAMPLE
Q2505-03	#2008	39	1.00	1.00	2.00	2.00	100.0	WIPE SAMPLE
Q2507-01	SU-04-7.3-2025	40	1.17	10.26	11.43	10.1	87.0	
Q2507-02	SU-04-7.3-2025-EPH	41	1.18	10.30	11.48	9.99	85.5	
Q2507-03	SU-04-7.3-2025-VOC	42	1.13	10.45	11.58	9.95	84.4	
Q2508-01	AUD-25-0105	43	1.00	1.00	2.00	2.00	100.0	WIPE SAMPLE
Q2508-02	AUD-25-0106	44	1.00	1.00	2.00	2.00	100.0	WIPE SAMPLE
Q2508-03	AUD-25-0107	45	1.00	1.00	2.00	2.00	100.0	WIPE SAMPLE
Q2509-02	AUD-25-0112	46	1.00	1.00	2.00	2.00	100.0	oilly-debris
Q2510-01	#63025-A	47	1.15	11.63	12.78	10.79	82.9	
Q2510-02	#63025-A-VOC	48	1.18	10.19	11.37	9.86	85.2	
Q2513-01	HR-2-070325	49	1.18	9.89	11.07	10.51	94.3	
Q2513-02	HR-2-070325-E2	50	1.18	10.25	11.43	10.68	92.7	
Q2513-03	HR-3-070325	51	1.18	10.27	11.45	10.88	94.4	
Q2513-04	HR-3-070325-E2	52	1.14	10.67	11.81	11.23	94.6	
Q2514-01	TP-92	53	1.14	10.78	11.92	10.56	87.4	
Q2514-02	TP-93	54	1.19	10.71	11.9	10.58	87.7	
Q2514-03	TP-94	55	1.13	10.86	11.99	10.7	88.1	
Q2514-04	TP-96	56	1.14	11.10	12.24	10.66	85.8	



PERCENT SOLID

Supervisor: Iwona
Analyst: jignesh
Date: 7/7/2025

OVENTEMP IN Celsius(°C): 107
Time IN: 17:30
In Date: 07/03/2025
Weight Check 1.0g: 1.00
Weight Check 10g: 10.00
OvenID: M OVEN#1

OVENTEMP OUT Celsius(°C): 104
Time OUT: 08:37
Out Date: 07/04/2025
Weight Check 1.0g: 1.00
Weight Check 10g: 10.00
BalanceID: M SC-4
Thermometer ID: % SOLID-OVEN

QC:LB136368

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
Q2514-05	TP-97	57	1.16	10.02	11.18	9.68	85.0	
Q2514-06	TP-103	58	1.18	10.22	11.4	10.02	86.5	
Q2514-07	TP-36	59	1.15	10.78	11.93	10.88	90.3	
Q2514-08	TP-78	60	1.13	9.99	11.12	9.75	86.3	
Q2514-09	TP-81	61	1.16	10.50	11.66	10.22	86.3	
Q2514-10	TP-90	62	1.18	10.43	11.61	10.73	91.6	
Q2515-01	wc-1	63	1.15	10.31	11.46	10.17	87.5	

$$\% \text{ Solid} = \frac{(C-A) * 100}{(B-A)}$$

WORKLIST(Hardcopy Internal Chain)

WorkList Name : %1-070325

WorkList ID : 190533

Department : Wet-Chemistry

Date : 07-03-2025 08:34:29

136368

Sample	Customer Sample	Matrix	Test	Preservative	Customer	Raw Sample Storage Location	Collect Date	Method
Q2487-01	G4(1.5)	Solid	Percent Solids	Cool 4 deg C	WALS01	A22	07/01/2025	Chemtech -SO
Q2487-02	G4(10)	Solid	Percent Solids	Cool 4 deg C	WALS01	A22	07/01/2025	Chemtech -SO
Q2487-03	G3(9)	Solid	Percent Solids	Cool 4 deg C	WALS01	A22	07/01/2025	Chemtech -SO
Q2487-04	G3(3)	Solid	Percent Solids	Cool 4 deg C	WALS01	A22	07/01/2025	Chemtech -SO
Q2487-05	G2(2.5)	Solid	Percent Solids	Cool 4 deg C	WALS01	A22	07/01/2025	Chemtech -SO
Q2487-06	G2(9)	Solid	Percent Solids	Cool 4 deg C	WALS01	A22	07/01/2025	Chemtech -SO
Q2487-07	G1(4.5)	Solid	Percent Solids	Cool 4 deg C	WALS01	A22	07/01/2025	Chemtech -SO
Q2487-08	G1(10)	Solid	Percent Solids	Cool 4 deg C	WALS01	A22	07/01/2025	Chemtech -SO
Q2487-09	G4(0-6)	Solid	Percent Solids	Cool 4 deg C	WALS01	A22	07/01/2025	Chemtech -SO
Q2487-10	G4(6-12)	Solid	Percent Solids	Cool 4 deg C	WALS01	A22	07/01/2025	Chemtech -SO
Q2487-11	G3(0-6)	Solid	Percent Solids	Cool 4 deg C	WALS01	A22	07/01/2025	Chemtech -SO
Q2487-12	G3(6-12)	Solid	Percent Solids	Cool 4 deg C	WALS01	A22	07/01/2025	Chemtech -SO
Q2487-13	G2(0-6)	Solid	Percent Solids	Cool 4 deg C	WALS01	A22	07/01/2025	Chemtech -SO
Q2487-14	G2(6-12)	Solid	Percent Solids	Cool 4 deg C	WALS01	A22	07/01/2025	Chemtech -SO
Q2487-15	G1(0-6)	Solid	Percent Solids	Cool 4 deg C	WALS01	A22	07/01/2025	Chemtech -SO
Q2487-16	G1(6-12)	Solid	Percent Solids	Cool 4 deg C	WALS01	A22	07/01/2025	Chemtech -SO
Q2501-05	SVOC-GPC-BLANK	Solid	Percent Solids	Cool 4 deg C	CHEM02	D31	06/27/2025	Chemtech -SO
Q2501-06	PEST-GPC-BLANK	Solid	Percent Solids	Cool 4 deg C	CHEM02	D31	06/27/2025	Chemtech -SO
Q2501-07	PEST-GPC-BLANK-SPIKE	Solid	Percent Solids	Cool 4 deg C	CHEM02	D31	06/27/2025	Chemtech -SO
Q2501-08	PCB-GPC-BLANK	Solid	Percent Solids	Cool 4 deg C	CHEM02	D31	06/27/2025	Chemtech -SO
Q2501-09	PCB-GPC-BLANK-SPIKE	Solid	Percent Solids	Cool 4 deg C	CHEM02	D31	06/27/2025	Chemtech -SO

Date/Time 07/03/25 15:15

Raw Sample Received by: JDC

Raw Sample Relinquished by: JDC

Date/Time 07/03/25

Raw Sample Received by: JDC

Raw Sample Relinquished by: JDC

WORKLIST(Hardcopy Internal Chain)

136318

WorkList Name : %1-070325

WorkList ID : 190533

Department : Wet-Chemistry

Date : 07-03-2025 08:34:29

Sample	Customer Sample	Matrix	Test	Preservative	Customer	Raw Sample Storage Location	Collect Date	Method
Q2501-10	SVOC-GPC-BLANK	Solid	Percent Solids	Cool 4 deg C	CHEM02	D31	06/27/2025	Chemtech -SO
Q2501-11	PEST-GPC-BLANK	Solid	Percent Solids	Cool 4 deg C	CHEM02	D31	06/27/2025	Chemtech -SO
Q2501-12	PEST-GPC-BLANK-SPIKE	Solid	Percent Solids	Cool 4 deg C	CHEM02	D31	06/27/2025	Chemtech -SO
Q2501-13	PCB-GPC2-BLANK	Solid	Percent Solids	Cool 4 deg C	CHEM02	D31	06/27/2025	Chemtech -SO
Q2501-14	PCB-GPC2-BLANK-SPIKE	Solid	Percent Solids	Cool 4 deg C	CHEM02	D31	06/27/2025	Chemtech -SO
Q2503-03	GCAP2	Solid	Percent Solids	Cool 4 deg C	GENV01	O11	06/27/2025	Chemtech -SO
Q2503-04	GCAP3	Solid	Percent Solids	Cool 4 deg C	GENV01	O11	07/02/2025	Chemtech -SO
Q2503-05	GCAP2A	Solid	Percent Solids	Cool 4 deg C	GENV01	O11	07/02/2025	Chemtech -SO
Q2504-01	WASTE	Solid	Percent Solids	Cool 4 deg C	SCIA01	O12	07/02/2025	Chemtech -SO
Q2504-02	VOC	Solid	Percent Solids	Cool 4 deg C	SCIA01	O12	07/02/2025	Chemtech -SO
Q2504-03	1	Solid	Percent Solids	Cool 4 deg C	SCIA01	O12	07/02/2025	Chemtech -SO
Q2504-04	2	Solid	Percent Solids	Cool 4 deg C	SCIA01	O12	07/02/2025	Chemtech -SO
Q2504-05	3	Solid	Percent Solids	Cool 4 deg C	SCIA01	O12	07/02/2025	Chemtech -SO
Q2504-06	4	Solid	Percent Solids	Cool 4 deg C	SCIA01	O12	07/02/2025	Chemtech -SO
Q2504-07	5	Solid	Percent Solids	Cool 4 deg C	SCIA01	O12	07/02/2025	Chemtech -SO
Q2505-01	#62825	Solid	Percent Solids	Cool 4 deg C	PSEG03	O13	07/03/2025	Chemtech -SO
Q2505-02	#62525	Solid	Percent Solids	Cool 4 deg C	PSEG03	O13	07/03/2025	Chemtech -SO
Q2505-03	#2008	Solid	Percent Solids	Cool 4 deg C	PSEG03	O13	07/03/2025	Chemtech -SO
Q2507-01	SU-04-7.3-2025	Solid	Percent Solids	Cool 4 deg C	PSEG03	O12	07/04/2025	Chemtech -SO
Q2507-02	SU-04-7.3-2025-EPH	Solid	Percent Solids	Cool 4 deg C	PSEG03	O12	07/04/2025	Chemtech -SO
Q2507-03	SU-04-7.3-2025-VOC	Solid	Percent Solids	Cool 4 deg C	PSEG03	O12	07/04/2025	Chemtech -SO

Date/Time 07/03/25 15:15
Raw Sample Received by: WWC
Raw Sample Relinquished by: JDCSM

Date/Time 07/03/25 17:15
Raw Sample Received by: JDCSM
Raw Sample Relinquished by: WWC

WORKLIST(Hardcopy Internal Chain)

136368

WorkList Name : %1-070325

WorkList ID : 190533

Department : Wet-Chemistry

Date : 07-03-2025 08:34:29

Sample	Customer Sample	Matrix	Test	Preservative	Customer	Raw Sample Storage Location	Collect Date	Method
Q2508-01	AUD-25-0105	Solid	Percent Solids	Cool 4 deg C	PSEG03	O11	07/03/2025	Chemtech -SO
Q2508-02	AUD-25-0106	Solid	Percent Solids	Cool 4 deg C	PSEG03	O11	07/03/2025	Chemtech -SO
Q2508-03	AUD-25-0107	Solid	Percent Solids	Cool 4 deg C	PSEG03	O11	07/03/2025	Chemtech -SO
Q2509-02	AUD-25-0112	Solid	Percent Solids	Cool 4 deg C	PSEG03	O22	07/03/2025	Chemtech -SO
Q2510-01	#63025-A	Solid	Percent Solids	Cool 4 deg C	PSEG05	O22	07/03/2025	Chemtech -SO
Q2510-02	#63025-A-VOC	Solid	Percent Solids	Cool 4 deg C	PSEG05	O22	07/03/2025	Chemtech -SO
Q2513-01	HR-2-070325	Solid	Percent Solids	Cool 4 deg C	PSEG05	O21	07/03/2025	Chemtech -SO
Q2513-02	HR-2-070325-E2	Solid	Percent Solids	Cool 4 deg C	PSEG05	O21	07/03/2025	Chemtech -SO
Q2513-03	HR-3-070325	Solid	Percent Solids	Cool 4 deg C	PSEG05	O21	07/03/2025	Chemtech -SO
Q2513-04	HR-3-070325-E2	Solid	Percent Solids	Cool 4 deg C	PSEG05	O21	07/03/2025	Chemtech -SO
Q2514-01	TP-92	Solid	Percent Solids	Cool 4 deg C	CAMP02	O21	07/02/2025	Chemtech -SO
Q2514-02	TP-93	Solid	Percent Solids	Cool 4 deg C	CAMP02	O21	07/02/2025	Chemtech -SO
Q2514-03	TP-94	Solid	Percent Solids	Cool 4 deg C	CAMP02	O21	07/02/2025	Chemtech -SO
Q2514-04	TP-96	Solid	Percent Solids	Cool 4 deg C	CAMP02	O21	07/02/2025	Chemtech -SO
Q2514-05	TP-97	Solid	Percent Solids	Cool 4 deg C	CAMP02	O21	07/02/2025	Chemtech -SO
Q2514-06	TP-103	Solid	Percent Solids	Cool 4 deg C	CAMP02	O21	07/02/2025	Chemtech -SO
Q2514-07	TP-36	Solid	Percent Solids	Cool 4 deg C	CAMP02	O21	07/02/2025	Chemtech -SO
Q2514-08	TP-78	Solid	Percent Solids	Cool 4 deg C	CAMP02	O21	07/03/2025	Chemtech -SO
Q2514-09	TP-81	Solid	Percent Solids	Cool 4 deg C	CAMP02	O21	07/03/2025	Chemtech -SO
Q2514-10	TP-90	Solid	Percent Solids	Cool 4 deg C	CAMP02	O21	07/03/2025	Chemtech -SO
Q2515-01	wc-1	Solid	Percent Solids	Cool 4 deg C	ENVO01	O23	07/03/2025	Chemtech -SO

Date/Time 07/03/25 1515
 Raw Sample Received by: SR WWC
 Raw Sample Relinquished by: JDCSM

Date/Time

07/03/25

Raw Sample Received by:

JDCSM

Raw Sample Relinquished by:

SOP ID: M3541-ASE Extraction-14

Clean Up SOP #: N/A **Extraction Start Date :** 07/07/2025

Matrix : Solid **Extraction Start Time :** 09:00

Weigh By: EH **Extraction By:** RJ **Extraction End Date :** 07/07/2025

Balance check: RJ **Filter By:** RJ **Extraction End Time :** 12:25

Balance ID: EX-SC-2 **pH Meter ID:** N/A **Concentration By:** EH

pH Strip Lot#: N/A **Hood ID:** 3,7 **Supervisor By :** RUPESH

Extraction Method: ☐ Separatory Funnel ☐ Continious Liquid/Liquid ☐ Sonication ☐ Waste Dilution ☒ Soxhlet

Standard Name	MLS USED	Concentration ug/mL	STD REF. # FROM LOG
Spike Sol 1	1.0ML	50/100 PPM	SP6849
Surrogate	1.0ML	100/150 PPM	SP6852
N/A	N/A	N/A	N/A
N/A	N/A	N/A	N/A
N/A	N/A	N/A	N/A

Chemical Used	ML/SAMPLE USED	Lot Number
MeCl2/Acetone/1:1	N/A	EP2612
Baked Na2SO4	N/A	EP2624
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
N/A	N/A	N/A

Extraction Conformance/Non-Conformance Comments:

1.5ML Vail Lot # 2210443.

KD Bath ID: N/A **Envap ID:** NEVAP-02

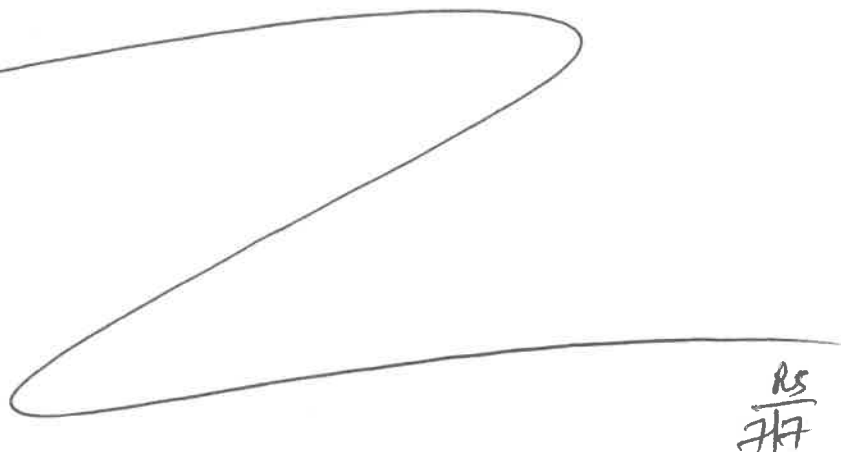
KD Bath Temperature: N/A **Envap Temperature:** 40 °C

Date / Time	Prepped Sample Relinquished By/Location	Received By/Location
7/7/25	RS (Ext Lab)	RS/vo c
12:30	Preparation Group	Analysis Group

Analytical Method: M3541-ASE Extraction-14

Concentration Date: 07/07/2025

Sample ID	Client Sample ID	Test	g/ mL	PH	Surr/Spike By:		Final Vol. (mL)	JarID	Comments	Prep Pos
					AddedBy	VerifiedBy				
PB168737BL	SBLK737	SVOC-TCL BNA -20	30.02	N/A	ritesh	Evelyn	1			U2-1
PB168737BS	SLCS737	SVOC-TCL BNA -20	30.01	N/A	ritesh	Evelyn	1			2
Q2507-01	SU-04-7.3-2025	SVOC-TCL BNA -20	50.05	N/A	ritesh	Evelyn	1	B		3
Q2513-01	HR-2-070325	SVOC-TCL BNA -20	50.06	N/A	ritesh	Evelyn	1	E		4
Q2513-03	HR-3-070325	SVOC-TCL BNA -20	50.09	N/A	ritesh	Evelyn	1	E		5
Q2514-01	TP-92	SVOC-TCL BNA -20	30.05	N/A	ritesh	Evelyn	1	E		6
Q2514-02	TP-93	SVOC-TCL BNA -20	30.01	N/A	ritesh	Evelyn	1	E		U3-1
Q2514-03	TP-94	SVOC-TCL BNA -20	30.02	N/A	ritesh	Evelyn	1	E		2
Q2514-04	TP-96	SVOC-TCL BNA -20	30.04	N/A	ritesh	Evelyn	1	E		3
Q2514-05	TP-97	SVOC-TCL BNA -20	30.05	N/A	ritesh	Evelyn	1	E		4
Q2514-06	TP-103	SVOC-TCL BNA -20	30.03	N/A	ritesh	Evelyn	1	E		5
Q2514-07	TP-36	SVOC-TCL BNA -20	30.06	N/A	ritesh	Evelyn	1	E		6
Q2514-08	TP-78	SVOC-TCL BNA -20	30.04	N/A	ritesh	Evelyn	1	E		U6-1
Q2514-08MS	TP-78MS	SVOC-TCL BNA -20	30.01	N/A	ritesh	Evelyn	1	E		2
Q2514-08MS D	TP-78MSD	SVOC-TCL BNA -20	30.05	N/A	ritesh	Evelyn	1	E		3
Q2514-09	TP-81	SVOC-TCL BNA -20	30.07	N/A	ritesh	Evelyn	1	E		4
Q2514-10	TP-90	SVOC-TCL BNA -20	30.08	N/A	ritesh	Evelyn	1	E		5
Q2515-01	WC-1	SVOC-TCL BNA -20	30.03	N/A	ritesh	Evelyn	1	E		6



* Extracts relinquished on the same date as received.

168737
9:00

WORKLIST(Hardcopy Internal Chain)

WorkList Name : Q2514

WorkList ID : 190567

Department : Extraction

Date : 07-07-2025 08:41:41

Sample	Customer Sample	Matrix	Test	Preservative	Customer	Raw Sample Storage Location	Collect Date	Method
Q2507-01	SU-04-7.3-2025	Solid	SVOC-TCL BNA -20	Cool 4 deg C	PSEG03	O12	07/04/2025	8270E
Q2513-01	HR-2-070325	Solid	SVOC-TCL BNA -20	Cool 4 deg C	PSEG05	O21	07/03/2025	8270E
Q2513-03	HR-3-070325	Solid	SVOC-TCL BNA -20	Cool 4 deg C	PSEG05	O21	07/03/2025	8270E
Q2514-01	TP-92	Solid	SVOC-TCL BNA -20	Cool 4 deg C	CAMP02	O21	07/02/2025	8270E
Q2514-02	TP-93	Solid	SVOC-TCL BNA -20	Cool 4 deg C	CAMP02	O21	07/02/2025	8270E
Q2514-03	TP-94	Solid	SVOC-TCL BNA -20	Cool 4 deg C	CAMP02	O21	07/02/2025	8270E
Q2514-04	TP-96	Solid	SVOC-TCL BNA -20	Cool 4 deg C	CAMP02	O21	07/02/2025	8270E
Q2514-05	TP-97	Solid	SVOC-TCL BNA -20	Cool 4 deg C	CAMP02	O21	07/02/2025	8270E
Q2514-06	TP-103	Solid	SVOC-TCL BNA -20	Cool 4 deg C	CAMP02	O21	07/02/2025	8270E
Q2514-07	TP-36	Solid	SVOC-TCL BNA -20	Cool 4 deg C	CAMP02	O21	07/03/2025	8270E
Q2514-08	TP-78	Solid	SVOC-TCL BNA -20	Cool 4 deg C	CAMP02	O21	07/03/2025	8270E
Q2514-09	TP-81	Solid	SVOC-TCL BNA -20	Cool 4 deg C	CAMP02	O21	07/03/2025	8270E
Q2514-10	TP-90	Solid	SVOC-TCL BNA -20	Cool 4 deg C	CAMP02	O21	07/03/2025	8270E
Q2515-01	wc-1	Solid	SVOC-TCL BNA -20	Cool 4 deg C	ENVO01	O23	07/03/2025	8270E

Date/Time 07/07/25 8:55
Raw Sample Received by: RS LEST-1000
Raw Sample Relinquished by: STCSM

Date/Time 07/07/25 9:15
Raw Sample Received by: STCSM
Raw Sample Relinquished by: RS LEST-1000



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: **FELIPE CONTRERAS**
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

1. TEL VOL
2. TEL SVOL
3. PCBs
4. TAL METALS
5. PESTICIDES
6. HERBICIDES
7. DRUGS
8. GRS
9.

PRESERVATIVES

COMMENTS

ALLIANCE SAMPLE ID	PROJECT SAMPLE IDENTIFICATION	SAMPLE MATRIX	SAMPLE TYPE		SAMPLE COLLECTION		# OF BOTTLES										COMMENTS
			COMP	GRAB	DATE	TIME		1	2	3	4	5	6	7	8	9	
1.	TP-92	5		X	7/2/25	0800	5	X	X	X	X	X	X	X	X		E
2.	TP-93	5		X	7/2/25	0830	6	X	X	X	X	X	X	X	X		E
3.	TP-94	5		X	7/2/25	1035	6	X	X	X	X	X	X	X	X		E
4.	TP-96	5		X	7/2/25	1125	6	X	X	X	X	X	X	X	X		E
5.	TP-97	5		X	7/2/25	1215	6	X	X	X	X	X	X	X	X		E
6.	TP-103	5		X	7/2/25	1345	6	X	X	X	X	X	X	X	X		E
7.	TP-3C	5		X	7/3/25	0820	6	X	X	X	X	X	X	X	X		E
8.	TP-78	5		X	7/3/25	0855	6	X	X	X	X	X	X	X	X		E
9.	TP-81	5		X	7/3/25	1000	6	X	X	X	X	X	X	X	X		E
10.	TP-90	5		X	7/3/25	1250	6	X	X	X	X	X	X	X	X		E

SAMPLE CUSTODY MUST BE DOCUMENTED BELOW EACH TIME SAMPLES CHANGE POSSESSION INCLUDING COURIER DELIVERY

RELINQUISHED BY SAMPLER:	DATE/TIME:	RECEIVED BY:	Conditions of bottles or coolers at receipt: ☐ COMPLIANT ☐ NON COMPLIANT ☐ COOLER TEMP: 3.9 °C
1. <i>[Signature]</i>	7/3/25 1315	1. <i>[Signature]</i>	Comments:
RELINQUISHED BY SAMPLER:	DATE/TIME:	RECEIVED BY:	
2. <i>[Signature]</i>		2. <i>[Signature]</i>	
RELINQUISHED BY SAMPLER:	DATE/TIME:	RECEIVED BY:	
3. <i>[Signature]</i>	7-3-25 1412	3. <i>[Signature]</i>	

Page ____ of ____

CLIENT: ☐ Hand Delivered ☐ Other

Shipment Complete

☐ YES ☐ NO

Laboratory Certification

Certified By	License No.
CAS EPA CLP Contract	68HERH20D0011
Connecticut	PH-0830
DOD ELAP (ANAB)	L2219
Maine	2024021
Maryland	296
New Hampshire	255424 Rev 1
New Jersey	20012
New York	11376
Pennsylvania	68-00548
Soil Permit	525-24-234-08441
Texas	T104704488

LOGIN REPORT/SAMPLE TRANSFER

Order ID : Q2514	CAMP02	Order Date : 7/3/2025 1:29:00 PM	Project Mgr :
Client Name : CDM Smith		Project Name : South River WM Replacem	Report Type : Level 2
Client Contact : Marcie Ann Encinas		Receive DateTime : 7/3/2025 3:00:00 PM 14:12 1P	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
Q2514-01	TP-92	Solid	07/02/2025	08:00	VOC-TCLVOA-10		8260D		10 Bus. Days
Q2514-02	TP-93	Solid	07/02/2025	08:30	VOC-TCLVOA-10		8260D		10 Bus. Days
Q2514-03	TP-94	Solid	07/02/2025	10:35	VOC-TCLVOA-10		8260D		10 Bus. Days
Q2514-04	TP-96	Solid	07/02/2025	11:25	VOC-TCLVOA-10		8260D		10 Bus. Days
Q2514-05	TP-97	Solid	07/02/2025	12:15	VOC-TCLVOA-10		8260D		10 Bus. Days
Q2514-06	TP-103	Solid	07/02/2025	13:45	VOC-TCLVOA-10		8260D		10 Bus. Days
Q2514-07	TP-36	Solid	07/03/2025	08:20	VOC-TCLVOA-10		8260D		10 Bus. Days
Q2514-08	TP-78	Solid	07/03/2025	08:55	VOC-TCLVOA-10		8260D		10 Bus. Days

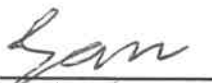
LOGIN REPORT/SAMPLE TRANSFER

Order ID : Q2514	CAMP02	Order Date : 7/3/2025 1:29:00 PM	Project Mgr :
Client Name : CDM Smith		Project Name : South River WM Replacem	Report Type : Level 2
Client Contact : Marcie Ann Encinas		Receive DateTime : 7/3/2025 2:00:00 PM	EDD Type : EXCEL NOCLEANUP
Invoice Name : CDM Smith		Purchase Order : 1412 d1	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
					VOC-TCLVOA-10		8260D	10 Bus. Days	
Q2514-09	TP-81	Solid	07/03/2025	10:00					
					VOC-TCLVOA-10		8260D	10 Bus. Days	
Q2514-10	TP-90	Solid	07/03/2025	12:50					
					VOC-TCLVOA-10		8260D	10 Bus. Days	

Relinquished By : 

Date / Time : 7/3/25 1430

Received By : 

Date / Time : 07/03/25 14:30

Storage Area : VOA Refridgerator Room