



284 Sheffield Street, Mountainside, New Jersey 07092, Phone : 908 789 8900,
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Hit Summary Sheet
SW-846

SDG No.: Q1488
Client: Portal Partners Tri-Venture

Sample ID	Client ID	Matrix	Parameter	Concentration	C	MDL	RDL	Units
Client ID :	ENV-101-SB01							
Q1488-02	ENV-101-SB01	TCLP	Pentachlorophenol	42.100	J	18.5	100	ug/L
			Total Svoc :			42.10		
			Total Concentration:			42.10		



SAMPLE DATA

Report of Analysis

Client:	Portal Partners Tri-Venture	Date Collected:	03/07/25
Project:	Amtrak Sawtooth Bridges 2025	Date Received:	03/07/25
Client Sample ID:	PB167020TB	SDG No.:	Q1488
Lab Sample ID:	PB167020TB	Matrix:	TCLP
Analytical Method:	SW8270	% Solid:	0
Sample Wt/Vol:	100 Units: mL	Final Vol:	1000 uL
Soil Aliquot Vol:	uL	Test:	TCLP BNA
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
BG064076.D	1	03/07/25 12:45	03/10/25 11:24	PB167035

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units
TARGETS						
110-86-1	Pyridine	15.5	U	15.5	50.0	ug/L
106-46-7	1,4-Dichlorobenzene	8.40	U	8.40	50.0	ug/L
95-48-7	2-Methylphenol	11.3	U	11.3	50.0	ug/L
65794-96-9	3+4-Methylphenols	11.5	U	11.5	100	ug/L
67-72-1	Hexachloroethane	10.1	U	10.1	50.0	ug/L
98-95-3	Nitrobenzene	12.7	U	12.7	50.0	ug/L
87-68-3	Hexachlorobutadiene	12.7	U	12.7	50.0	ug/L
88-06-2	2,4,6-Trichlorophenol	8.90	U	8.90	50.0	ug/L
95-95-4	2,4,5-Trichlorophenol	10.1	U	10.1	50.0	ug/L
121-14-2	2,4-Dinitrotoluene	15.2	U	15.2	50.0	ug/L
118-74-1	Hexachlorobenzene	11.4	U	11.4	50.0	ug/L
87-86-5	Pentachlorophenol	18.5	U	18.5	100	ug/L
SURROGATES						
367-12-4	2-Fluorophenol	144		15 (10) - 110 (139)	96%	SPK: 150
13127-88-3	Phenol-d6	139		15 (10) - 110 (134)	93%	SPK: 150
4165-60-0	Nitrobenzene-d5	102		30 (49) - 130 (133)	102%	SPK: 100
321-60-8	2-Fluorobiphenyl	94.9		30 (52) - 130 (132)	95%	SPK: 100
118-79-6	2,4,6-Tribromophenol	148		15 (44) - 110 (137)	99%	SPK: 150
1718-51-0	Terphenyl-d14	102		30 (48) - 130 (125)	102%	SPK: 100
INTERNAL STANDARDS						
3855-82-1	1,4-Dichlorobenzene-d4	33800	7.864			
1146-65-2	Naphthalene-d8	144000	10.649			
15067-26-2	Acenaphthene-d10	102000	14.486			
1517-22-2	Phenanthrene-d10	232000	17.224			
1719-03-5	Chrysene-d12	232000	21.454			
1520-96-3	Perylene-d12	251000	24.468			

Report of Analysis

Client:	Portal Partners Tri-Venture	Date Collected:	03/07/25
Project:	Amtrak Sawtooth Bridges 2025	Date Received:	03/07/25
Client Sample ID:	PB167020TB	SDG No.:	Q1488
Lab Sample ID:	PB167020TB	Matrix:	TCLP
Analytical Method:	SW8270	% Solid:	0
Sample Wt/Vol:	100 Units: mL	Final Vol:	1000 uL
Soil Aliquot Vol:	uL	Test:	TCLP BNA
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
BG064076.D	1	03/07/25 12:45	03/10/25 11:24	PB167035

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units
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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

Report of Analysis

Client:	Portal Partners Tri-Venture	Date Collected:	03/04/25
Project:	Amtrak Sawtooth Bridges 2025	Date Received:	03/04/25
Client Sample ID:	ENV-101-SB01	SDG No.:	Q1488
Lab Sample ID:	Q1488-02	Matrix:	TCLP
Analytical Method:	SW8270	% Solid:	0
Sample Wt/Vol:	100 Units: mL	Final Vol:	1000 uL
Soil Aliquot Vol:	uL	Test:	TCLP BNA
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
BF141892.D	1	03/07/25 12:45	03/07/25 18:01	PB167035

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units
TARGETS						
110-86-1	Pyridine	15.5	U	15.5	50.0	ug/L
106-46-7	1,4-Dichlorobenzene	8.40	U	8.40	50.0	ug/L
95-48-7	2-Methylphenol	11.3	U	11.3	50.0	ug/L
65794-96-9	3+4-Methylphenols	11.5	U	11.5	100	ug/L
67-72-1	Hexachloroethane	10.1	U	10.1	50.0	ug/L
98-95-3	Nitrobenzene	12.7	U	12.7	50.0	ug/L
87-68-3	Hexachlorobutadiene	12.7	U	12.7	50.0	ug/L
88-06-2	2,4,6-Trichlorophenol	8.90	U	8.90	50.0	ug/L
95-95-4	2,4,5-Trichlorophenol	10.1	U	10.1	50.0	ug/L
121-14-2	2,4-Dinitrotoluene	15.2	U	15.2	50.0	ug/L
118-74-1	Hexachlorobenzene	11.4	U	11.4	50.0	ug/L
87-86-5	Pentachlorophenol	42.1	J	18.5	100	ug/L
SURROGATES						
367-12-4	2-Fluorophenol	120		15 (10) - 110 (139)	80%	SPK: 150
13127-88-3	Phenol-d6	102		15 (10) - 110 (134)	68%	SPK: 150
4165-60-0	Nitrobenzene-d5	113		30 (49) - 130 (133)	113%	SPK: 100
321-60-8	2-Fluorobiphenyl	99.8		30 (52) - 130 (132)	100%	SPK: 100
118-79-6	2,4,6-Tribromophenol	186	*	15 (44) - 110 (137)	124%	SPK: 150
1718-51-0	Terphenyl-d14	89.2		30 (48) - 130 (125)	89%	SPK: 100
INTERNAL STANDARDS						
3855-82-1	1,4-Dichlorobenzene-d4	140000	6.887			
1146-65-2	Naphthalene-d8	544000	8.163			
15067-26-2	Acenaphthene-d10	296000	9.916			
1517-22-2	Phenanthrene-d10	468000	11.404			
1719-03-5	Chrysene-d12	340000	14.039			
1520-96-3	Perylene-d12	371000	15.51			

Report of Analysis

Client:	Portal Partners Tri-Venture	Date Collected:	03/04/25
Project:	Amtrak Sawtooth Bridges 2025	Date Received:	03/04/25
Client Sample ID:	ENV-101-SB01	SDG No.:	Q1488
Lab Sample ID:	Q1488-02	Matrix:	TCLP
Analytical Method:	SW8270	% Solid:	0
Sample Wt/Vol:	100 Units: mL	Final Vol:	1000 uL
Soil Aliquot Vol:	uL	Test:	TCLP BNA
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
BF141892.D	1	03/07/25 12:45	03/07/25 18:01	PB167035

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units
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Report of Analysis

Client:	Portal Partners Tri-Venture	Date Collected:	03/04/25
Project:	Amtrak Sawtooth Bridges 2025	Date Received:	03/04/25
Client Sample ID:	ENV-101-SB02	SDG No.:	Q1488
Lab Sample ID:	Q1488-04	Matrix:	TCLP
Analytical Method:	SW8270	% Solid:	0
Sample Wt/Vol:	100 Units: mL	Final Vol:	1000 uL
Soil Aliquot Vol:	uL	Test:	TCLP BNA
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
BG064077.D	1	03/07/25 12:45	03/10/25 12:22	PB167035

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units
TARGETS						
110-86-1	Pyridine	15.5	U	15.5	50.0	ug/L
106-46-7	1,4-Dichlorobenzene	8.40	U	8.40	50.0	ug/L
95-48-7	2-Methylphenol	11.3	U	11.3	50.0	ug/L
65794-96-9	3+4-Methylphenols	11.5	U	11.5	100	ug/L
67-72-1	Hexachloroethane	10.1	U	10.1	50.0	ug/L
98-95-3	Nitrobenzene	12.7	U	12.7	50.0	ug/L
87-68-3	Hexachlorobutadiene	12.7	U	12.7	50.0	ug/L
88-06-2	2,4,6-Trichlorophenol	8.90	U	8.90	50.0	ug/L
95-95-4	2,4,5-Trichlorophenol	10.1	U	10.1	50.0	ug/L
121-14-2	2,4-Dinitrotoluene	15.2	U	15.2	50.0	ug/L
118-74-1	Hexachlorobenzene	11.4	U	11.4	50.0	ug/L
87-86-5	Pentachlorophenol	18.5	U	18.5	100	ug/L
SURROGATES						
367-12-4	2-Fluorophenol	133		15 (10) - 110 (139)	89%	SPK: 150
13127-88-3	Phenol-d6	115		15 (10) - 110 (134)	76%	SPK: 150
4165-60-0	Nitrobenzene-d5	107		30 (49) - 130 (133)	107%	SPK: 100
321-60-8	2-Fluorobiphenyl	94.7		30 (52) - 130 (132)	95%	SPK: 100
118-79-6	2,4,6-Tribromophenol	170	*	15 (44) - 110 (137)	113%	SPK: 150
1718-51-0	Terphenyl-d14	100.0		30 (48) - 130 (125)	100%	SPK: 100
INTERNAL STANDARDS						
3855-82-1	1,4-Dichlorobenzene-d4	37100	7.865			
1146-65-2	Naphthalene-d8	150000	10.65			
15067-26-2	Acenaphthene-d10	95200	14.487			
1517-22-2	Phenanthrene-d10	220000	17.224			
1719-03-5	Chrysene-d12	244000	21.455			
1520-96-3	Perylene-d12	256000	24.475			

Report of Analysis

Client:	Portal Partners Tri-Venture	Date Collected:	03/04/25
Project:	Amtrak Sawtooth Bridges 2025	Date Received:	03/04/25
Client Sample ID:	ENV-101-SB02	SDG No.:	Q1488
Lab Sample ID:	Q1488-04	Matrix:	TCLP
Analytical Method:	SW8270	% Solid:	0
Sample Wt/Vol:	100 Units: mL	Final Vol:	1000 uL
Soil Aliquot Vol:	uL	Test:	TCLP BNA
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
BG064077.D	1	03/07/25 12:45	03/10/25 12:22	PB167035

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units
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B = Analyte Found in Associated Method Blank

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* = Values outside of QC limits

D = Dilution

() = Laboratory InHouse Limit

A = Aldol-Condensation Reaction Products

Report of Analysis

Client:	Portal Partners Tri-Venture	Date Collected:	03/04/25
Project:	Amtrak Sawtooth Bridges 2025	Date Received:	03/04/25
Client Sample ID:	ENV-102-SB01	SDG No.:	Q1488
Lab Sample ID:	Q1488-06	Matrix:	TCLP
Analytical Method:	SW8270	% Solid:	0
Sample Wt/Vol:	100 Units: mL	Final Vol:	1000 uL
Soil Aliquot Vol:	uL	Test:	TCLP BNA
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
BG064078.D	1	03/07/25 12:45	03/10/25 13:03	PB167035

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units
TARGETS						
110-86-1	Pyridine	15.5	U	15.5	50.0	ug/L
106-46-7	1,4-Dichlorobenzene	8.40	U	8.40	50.0	ug/L
95-48-7	2-Methylphenol	11.3	U	11.3	50.0	ug/L
65794-96-9	3+4-Methylphenols	11.5	U	11.5	100	ug/L
67-72-1	Hexachloroethane	10.1	U	10.1	50.0	ug/L
98-95-3	Nitrobenzene	12.7	U	12.7	50.0	ug/L
87-68-3	Hexachlorobutadiene	12.7	U	12.7	50.0	ug/L
88-06-2	2,4,6-Trichlorophenol	8.90	U	8.90	50.0	ug/L
95-95-4	2,4,5-Trichlorophenol	10.1	U	10.1	50.0	ug/L
121-14-2	2,4-Dinitrotoluene	15.2	U	15.2	50.0	ug/L
118-74-1	Hexachlorobenzene	11.4	U	11.4	50.0	ug/L
87-86-5	Pentachlorophenol	18.5	U	18.5	100	ug/L
SURROGATES						
367-12-4	2-Fluorophenol	138		15 (10) - 110 (139)	92%	SPK: 150
13127-88-3	Phenol-d6	119		15 (10) - 110 (134)	80%	SPK: 150
4165-60-0	Nitrobenzene-d5	109		30 (49) - 130 (133)	109%	SPK: 100
321-60-8	2-Fluorobiphenyl	102		30 (52) - 130 (132)	102%	SPK: 100
118-79-6	2,4,6-Tribromophenol	178	*	15 (44) - 110 (137)	119%	SPK: 150
1718-51-0	Terphenyl-d14	108		30 (48) - 130 (125)	108%	SPK: 100
INTERNAL STANDARDS						
3855-82-1	1,4-Dichlorobenzene-d4	35200	7.862			
1146-65-2	Naphthalene-d8	144000	10.652			
15067-26-2	Acenaphthene-d10	92300	14.483			
1517-22-2	Phenanthrene-d10	222000	17.221			
1719-03-5	Chrysene-d12	233000	21.457			
1520-96-3	Perylene-d12	240000	24.472			

Report of Analysis

Client:	Portal Partners Tri-Venture	Date Collected:	03/04/25
Project:	Amtrak Sawtooth Bridges 2025	Date Received:	03/04/25
Client Sample ID:	ENV-102-SB01	SDG No.:	Q1488
Lab Sample ID:	Q1488-06	Matrix:	TCLP
Analytical Method:	SW8270	% Solid:	0
Sample Wt/Vol:	100 Units: mL	Final Vol:	1000 uL
Soil Aliquot Vol:	uL	Test:	TCLP BNA
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
BG064078.D	1	03/07/25 12:45	03/10/25 13:03	PB167035

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units
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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

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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

Report of Analysis

Client:	Portal Partners Tri-Venture	Date Collected:	03/04/25
Project:	Amtrak Sawtooth Bridges 2025	Date Received:	03/04/25
Client Sample ID:	ENV-102-SB02	SDG No.:	Q1488
Lab Sample ID:	Q1488-08	Matrix:	TCLP
Analytical Method:	SW8270	% Solid:	0
Sample Wt/Vol:	100 Units: mL	Final Vol:	1000 uL
Soil Aliquot Vol:	uL	Test:	TCLP BNA
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
BG064079.D	1	03/07/25 12:45	03/10/25 13:43	PB167035

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units
TARGETS						
110-86-1	Pyridine	15.5	U	15.5	50.0	ug/L
106-46-7	1,4-Dichlorobenzene	8.40	U	8.40	50.0	ug/L
95-48-7	2-Methylphenol	11.3	U	11.3	50.0	ug/L
65794-96-9	3+4-Methylphenols	11.5	U	11.5	100	ug/L
67-72-1	Hexachloroethane	10.1	U	10.1	50.0	ug/L
98-95-3	Nitrobenzene	12.7	U	12.7	50.0	ug/L
87-68-3	Hexachlorobutadiene	12.7	U	12.7	50.0	ug/L
88-06-2	2,4,6-Trichlorophenol	8.90	U	8.90	50.0	ug/L
95-95-4	2,4,5-Trichlorophenol	10.1	U	10.1	50.0	ug/L
121-14-2	2,4-Dinitrotoluene	15.2	U	15.2	50.0	ug/L
118-74-1	Hexachlorobenzene	11.4	U	11.4	50.0	ug/L
87-86-5	Pentachlorophenol	18.5	U	18.5	100	ug/L
SURROGATES						
367-12-4	2-Fluorophenol	144		15 (10) - 110 (139)	96%	SPK: 150
13127-88-3	Phenol-d6	128		15 (10) - 110 (134)	86%	SPK: 150
4165-60-0	Nitrobenzene-d5	114		30 (49) - 130 (133)	114%	SPK: 100
321-60-8	2-Fluorobiphenyl	103		30 (52) - 130 (132)	103%	SPK: 100
118-79-6	2,4,6-Tribromophenol	174	*	15 (44) - 110 (137)	116%	SPK: 150
1718-51-0	Terphenyl-d14	105		30 (48) - 130 (125)	105%	SPK: 100
INTERNAL STANDARDS						
3855-82-1	1,4-Dichlorobenzene-d4	32500	7.861			
1146-65-2	Naphthalene-d8	133000	10.652			
15067-26-2	Acenaphthene-d10	88500	14.488			
1517-22-2	Phenanthrene-d10	206000	17.226			
1719-03-5	Chrysene-d12	235000	21.457			
1520-96-3	Perylene-d12	245000	24.471			

Report of Analysis

Client:	Portal Partners Tri-Venture	Date Collected:	03/04/25
Project:	Amtrak Sawtooth Bridges 2025	Date Received:	03/04/25
Client Sample ID:	ENV-102-SB02	SDG No.:	Q1488
Lab Sample ID:	Q1488-08	Matrix:	TCLP
Analytical Method:	SW8270	% Solid:	0
Sample Wt/Vol:	100 Units: mL	Final Vol:	1000 uL
Soil Aliquot Vol:	uL	Test:	TCLP BNA
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
BG064079.D	1	03/07/25 12:45	03/10/25 13:43	PB167035

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units
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LOD = Limit of Detection

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Report of Analysis

Client:	Portal Partners Tri-Venture	Date Collected:	03/04/25
Project:	Amtrak Sawtooth Bridges 2025	Date Received:	03/04/25
Client Sample ID:	ENV-104-SB01	SDG No.:	Q1488
Lab Sample ID:	Q1488-10	Matrix:	TCLP
Analytical Method:	SW8270	% Solid:	0
Sample Wt/Vol:	100 Units: mL	Final Vol:	1000 uL
Soil Aliquot Vol:	uL	Test:	TCLP BNA
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
BG064080.D	1	03/07/25 12:45	03/10/25 14:23	PB167035

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units
TARGETS						
110-86-1	Pyridine	15.5	U	15.5	50.0	ug/L
106-46-7	1,4-Dichlorobenzene	8.40	U	8.40	50.0	ug/L
95-48-7	2-Methylphenol	11.3	U	11.3	50.0	ug/L
65794-96-9	3+4-Methylphenols	11.5	U	11.5	100	ug/L
67-72-1	Hexachloroethane	10.1	U	10.1	50.0	ug/L
98-95-3	Nitrobenzene	12.7	U	12.7	50.0	ug/L
87-68-3	Hexachlorobutadiene	12.7	U	12.7	50.0	ug/L
88-06-2	2,4,6-Trichlorophenol	8.90	U	8.90	50.0	ug/L
95-95-4	2,4,5-Trichlorophenol	10.1	U	10.1	50.0	ug/L
121-14-2	2,4-Dinitrotoluene	15.2	U	15.2	50.0	ug/L
118-74-1	Hexachlorobenzene	11.4	U	11.4	50.0	ug/L
87-86-5	Pentachlorophenol	18.5	U	18.5	100	ug/L
SURROGATES						
367-12-4	2-Fluorophenol	139		15 (10) - 110 (139)	93%	SPK: 150
13127-88-3	Phenol-d6	121		15 (10) - 110 (134)	81%	SPK: 150
4165-60-0	Nitrobenzene-d5	104		30 (49) - 130 (133)	104%	SPK: 100
321-60-8	2-Fluorobiphenyl	96.3		30 (52) - 130 (132)	96%	SPK: 100
118-79-6	2,4,6-Tribromophenol	163		15 (44) - 110 (137)	109%	SPK: 150
1718-51-0	Terphenyl-d14	99.1		30 (48) - 130 (125)	99%	SPK: 100
INTERNAL STANDARDS						
3855-82-1	1,4-Dichlorobenzene-d4	31600	7.862			
1146-65-2	Naphthalene-d8	133000	10.653			
15067-26-2	Acenaphthene-d10	86400	14.483			
1517-22-2	Phenanthrene-d10	204000	17.227			
1719-03-5	Chrysene-d12	230000	21.458			
1520-96-3	Perylene-d12	240000	24.472			

Report of Analysis

Client:	Portal Partners Tri-Venture	Date Collected:	03/04/25
Project:	Amtrak Sawtooth Bridges 2025	Date Received:	03/04/25
Client Sample ID:	ENV-104-SB01	SDG No.:	Q1488
Lab Sample ID:	Q1488-10	Matrix:	TCLP
Analytical Method:	SW8270	% Solid:	0
Sample Wt/Vol:	100 Units: mL	Final Vol:	1000 uL
Soil Aliquot Vol:	uL	Test:	TCLP BNA
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
BG064080.D	1	03/07/25 12:45	03/10/25 14:23	PB167035

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units
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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

Report of Analysis

Client:	Portal Partners Tri-Venture	Date Collected:	03/04/25
Project:	Amtrak Sawtooth Bridges 2025	Date Received:	03/04/25
Client Sample ID:	ENV-104-SB02	SDG No.:	Q1488
Lab Sample ID:	Q1488-12	Matrix:	TCLP
Analytical Method:	SW8270	% Solid:	0
Sample Wt/Vol:	100 Units: mL	Final Vol:	1000 uL
Soil Aliquot Vol:	uL	Test:	TCLP BNA
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
BG064081.D	1	03/07/25 12:45	03/10/25 15:04	PB167035

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units
TARGETS						
110-86-1	Pyridine	15.5	U	15.5	50.0	ug/L
106-46-7	1,4-Dichlorobenzene	8.40	U	8.40	50.0	ug/L
95-48-7	2-Methylphenol	11.3	U	11.3	50.0	ug/L
65794-96-9	3+4-Methylphenols	11.5	U	11.5	100	ug/L
67-72-1	Hexachloroethane	10.1	U	10.1	50.0	ug/L
98-95-3	Nitrobenzene	12.7	U	12.7	50.0	ug/L
87-68-3	Hexachlorobutadiene	12.7	U	12.7	50.0	ug/L
88-06-2	2,4,6-Trichlorophenol	8.90	U	8.90	50.0	ug/L
95-95-4	2,4,5-Trichlorophenol	10.1	U	10.1	50.0	ug/L
121-14-2	2,4-Dinitrotoluene	15.2	U	15.2	50.0	ug/L
118-74-1	Hexachlorobenzene	11.4	U	11.4	50.0	ug/L
87-86-5	Pentachlorophenol	18.5	U	18.5	100	ug/L
SURROGATES						
367-12-4	2-Fluorophenol	141		15 (10) - 110 (139)	94%	SPK: 150
13127-88-3	Phenol-d6	124		15 (10) - 110 (134)	82%	SPK: 150
4165-60-0	Nitrobenzene-d5	109		30 (49) - 130 (133)	109%	SPK: 100
321-60-8	2-Fluorobiphenyl	99.6		30 (52) - 130 (132)	100%	SPK: 100
118-79-6	2,4,6-Tribromophenol	170	*	15 (44) - 110 (137)	113%	SPK: 150
1718-51-0	Terphenyl-d14	106		30 (48) - 130 (125)	106%	SPK: 100
INTERNAL STANDARDS						
3855-82-1	1,4-Dichlorobenzene-d4	32200	7.861			
1146-65-2	Naphthalene-d8	132000	10.651			
15067-26-2	Acenaphthene-d10	87600	14.482			
1517-22-2	Phenanthrene-d10	206000	17.226			
1719-03-5	Chrysene-d12	226000	21.456			
1520-96-3	Perylene-d12	234000	24.471			

Report of Analysis

Client:	Portal Partners Tri-Venture	Date Collected:	03/04/25
Project:	Amtrak Sawtooth Bridges 2025	Date Received:	03/04/25
Client Sample ID:	ENV-104-SB02	SDG No.:	Q1488
Lab Sample ID:	Q1488-12	Matrix:	TCLP
Analytical Method:	SW8270	% Solid:	0
Sample Wt/Vol:	100 Units: mL	Final Vol:	1000 uL
Soil Aliquot Vol:	uL	Test:	TCLP BNA
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
BG064081.D	1	03/07/25 12:45	03/10/25 15:04	PB167035

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units
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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



QC SUMMARY

Surrogate Summary

SW-846

SDG No.: Q1488

Client: Portal Partners Tri-Venture

Analytical Method: 8270E

Lab Sample ID	Client ID	Parameter	Spike (PPM)	Result (PPM)	Recovery (%)	Qual	Limits (%)	
							Low	High
PB167020TB	PB167020TB	2-Fluorophenol	150	144	96		15 (10)	110 (139)
		Phenol-d6	150	139	93		15 (10)	110 (134)
		Nitrobenzene-d5	100	102	102		30 (49)	130 (133)
		2-Fluorobiphenyl	100	94.9	95		30 (52)	130 (132)
		2,4,6-Tribromophenol	150	148	99		15 (44)	110 (137)
		Terphenyl-d14	100	102	102		30 (48)	130 (125)
PB167035BL	PB167035BL	2-Fluorophenol	150	142	95		15 (10)	110 (139)
		Phenol-d6	150	136	90		15 (10)	110 (134)
		Nitrobenzene-d5	100	97.0	97		30 (49)	130 (133)
		2-Fluorobiphenyl	100	94.7	95		30 (52)	130 (132)
		2,4,6-Tribromophenol	150	150	100		15 (44)	110 (137)
		Terphenyl-d14	100	97.7	98		30 (48)	130 (125)
PB167035BS	PB167035BS	2-Fluorophenol	150	139	92		15 (10)	110 (139)
		Phenol-d6	150	137	91		15 (10)	110 (134)
		Nitrobenzene-d5	100	96.8	97		30 (49)	130 (133)
		2-Fluorobiphenyl	100	92.8	93		30 (52)	130 (132)
		2,4,6-Tribromophenol	150	154	102		15 (44)	110 (137)
		Terphenyl-d14	100	97.3	97		30 (48)	130 (125)
Q1488-02	ENV-101-SB01	2-Fluorophenol	150	120	80		15 (10)	110 (139)
		Phenol-d6	150	102	68		15 (10)	110 (134)
		Nitrobenzene-d5	100	113	113		30 (49)	130 (133)
		2-Fluorobiphenyl	100	99.8	100		30 (52)	130 (132)
		2,4,6-Tribromophenol	150	186	124	*	15 (44)	110 (137)
		Terphenyl-d14	100	89.2	89		30 (48)	130 (125)
Q1488-02MS	ENV-101-SB01MS	2-Fluorophenol	150	118	79		15 (10)	110 (139)
		Phenol-d6	150	108	72		15 (10)	110 (134)
		Nitrobenzene-d5	100	110	110		30 (49)	130 (133)
		2-Fluorobiphenyl	100	102	102		30 (52)	130 (132)
		2,4,6-Tribromophenol	150	182	122	*	15 (44)	110 (137)
		Terphenyl-d14	100	83.1	83		30 (48)	130 (125)
Q1488-02MSD	ENV-101-SB01MSD	2-Fluorophenol	150	122	82		15 (10)	110 (139)
		Phenol-d6	150	110	73		15 (10)	110 (134)
		Nitrobenzene-d5	100	112	112		30 (49)	130 (133)
		2-Fluorobiphenyl	100	102	102		30 (52)	130 (132)
		2,4,6-Tribromophenol	150	175	116	*	15 (44)	110 (137)
		Terphenyl-d14	100	76.5	76		30 (48)	130 (125)
Q1488-04	ENV-101-SB02	2-Fluorophenol	150	133	89		15 (10)	110 (139)
		Phenol-d6	150	115	76		15 (10)	110 (134)
		Nitrobenzene-d5	100	107	107		30 (49)	130 (133)
		2-Fluorobiphenyl	100	94.7	95		30 (52)	130 (132)
		2,4,6-Tribromophenol	150	170	113	*	15 (44)	110 (137)
		Terphenyl-d14	100	100.0	100		30 (48)	130 (125)
Q1488-06	ENV-102-SB01	2-Fluorophenol	150	138	92		15 (10)	110 (139)
		Phenol-d6	150	119	80		15 (10)	110 (134)
		Nitrobenzene-d5	100	109	109		30 (49)	130 (133)
		2-Fluorobiphenyl	100	102	102		30 (52)	130 (132)
		2,4,6-Tribromophenol	150	178	119	*	15 (44)	110 (137)
		Terphenyl-d14	100	108	108		30 (48)	130 (125)
Q1488-08	ENV-102-SB02	2-Fluorophenol	150	144	96		15 (10)	110 (139)
		Phenol-d6	150	128	86		15 (10)	110 (134)
		Nitrobenzene-d5	100	114	114		30 (49)	130 (133)

() = LABORATORY INHOUSE LIMIT

Surrogate Summary

SW-846

SDG No.: Q1488

Client: Portal Partners Tri-Venture

Analytical Method: 8270E

Lab Sample ID	Client ID	Parameter	Spike (PPM)	Result (PPM)	Recovery (%)	Qual	Limits (%)	
							Low	High
Q1488-08	ENV-102-SB02	2-Fluorobiphenyl	100	103	103		30 (52)	130 (132)
		2,4,6-Tribromophenol	150	174	116	*	15 (44)	110 (137)
		Terphenyl-d14	100	105	105		30 (48)	130 (125)
Q1488-10	ENV-104-SB01	2-Fluorophenol	150	139	93		15 (10)	110 (139)
		Phenol-d6	150	121	81		15 (10)	110 (134)
		Nitrobenzene-d5	100	104	104		30 (49)	130 (133)
		2-Fluorobiphenyl	100	96.3	96		30 (52)	130 (132)
		2,4,6-Tribromophenol	150	163	109		15 (44)	110 (137)
Q1488-12	ENV-104-SB02	Terphenyl-d14	100	99.1	99		30 (48)	130 (125)
		2-Fluorophenol	150	141	94		15 (10)	110 (139)
		Phenol-d6	150	124	82		15 (10)	110 (134)
		Nitrobenzene-d5	100	109	109		30 (49)	130 (133)
		2-Fluorobiphenyl	100	99.6	100		30 (52)	130 (132)
		2,4,6-Tribromophenol	150	170	113	*	15 (44)	110 (137)
		Terphenyl-d14	100	106	106		30 (48)	130 (125)

Matrix Spike/Matrix Spike Duplicate Summary

SW-846

SDG No.: Q1488

Client: Portal Partners Tri-Venture

Analytical Method: SW8270E

Parameter	Spike	Sample Result	Result	Units	Rec	Rec Qual	RPD	RPD Qual	Low	Limits High	RPD
Lab Sample ID:	Q1488-02MS	Client Sample ID:	ENV-101-SB01MS					DataFile:	BF141893.D		
Pyridine	500	0	290	ug/L	58				20 (10)	160 (109)	
1,4-Dichlorobenzene	500	0	380	ug/L	76				70 (55)	130 (125)	
2-Methylphenol	500	0	400	ug/L	80				70 (60)	130 (131)	
3+4-Methylphenols	500	0	410	ug/L	82				20 (54)	160 (136)	
Hexachloroethane	500	0	370	ug/L	74				20 (19)	160 (146)	
Nitrobenzene	500	0	450	ug/L	90				70 (62)	130 (112)	
Hexachlorobutadiene	500	0	420	ug/L	84				70 (52)	130 (125)	
2,4,6-Trichlorophenol	500	0	470	ug/L	94				70 (78)	130 (112)	
2,4,5-Trichlorophenol	500	0	500	ug/L	100				70 (71)	130 (111)	
2,4-Dinitrotoluene	500	0	560	ug/L	112				70 (74)	130 (137)	
Hexachlorobenzene	500	0	500	ug/L	100				70 (72)	130 (115)	
Pentachlorophenol	1000	42.1	950	ug/L	91				20 (52)	160 (162)	

Matrix Spike/Matrix Spike Duplicate Summary

SW-846

SDG No.: Q1488

Client: Portal Partners Tri-Venture

Analytical Method: SW8270E

Parameter	Spike	Sample Result	Result	Units	Rec	Rec Qual	RPD	RPD Qual	Low	Limits High	RPD
Lab Sample ID:	Q1488-02MSD	Client Sample ID:	ENV-101-SB01MSD					DataFile:	BF141894.D		
Pyridine	500	0	310	ug/L	62		7		20 (10)	160 (109)	20 (20)
1,4-Dichlorobenzene	500	0	380	ug/L	76		0		70 (55)	130 (125)	20 (20)
2-Methylphenol	500	0	390	ug/L	78		3		70 (60)	130 (131)	20 (20)
3+4-Methylphenols	500	0	400	ug/L	80		2		20 (54)	160 (136)	20 (20)
Hexachloroethane	500	0	370	ug/L	74		0		20 (19)	160 (146)	20 (20)
Nitrobenzene	500	0	450	ug/L	90		0		70 (62)	130 (112)	20 (20)
Hexachlorobutadiene	500	0	420	ug/L	84		0		70 (52)	130 (125)	20 (20)
2,4,6-Trichlorophenol	500	0	470	ug/L	94		0		70 (78)	130 (112)	20 (20)
2,4,5-Trichlorophenol	500	0	500	ug/L	100		0		70 (71)	130 (111)	20 (20)
2,4-Dinitrotoluene	500	0	560	ug/L	112		0		70 (74)	130 (137)	20 (20)
Hexachlorobenzene	500	0	500	ug/L	100		0		70 (72)	130 (115)	20 (20)
Pentachlorophenol	1000	42.1	990	ug/L	95		4		20 (52)	160 (162)	20 (20)

Laboratory Control Sample/Laboratory Control Sample Duplicate Summary

SW-846

SDG No.: Q1488

Client: Portal Partners Tri-Venture

Analytical Method: 8270E

DataFile: BG064075.D

Lab Sample ID	Parameter	Spike	Result	Unit	Rec	RPD	Qual	RPD		Limits		RPD
								Qual	Low	High		
PB167035BS	Pyridine	50	39.2	ug/L	78				20 (29)	160 (97)		
	1,4-Dichlorobenzene	50	41.2	ug/L	82				70 (76)	130 (103)		
	2-Methylphenol	50	45.6	ug/L	91				70 (69)	130 (109)		
	3+4-Methylphenols	50	46.0	ug/L	92				20 (67)	160 (106)		
	Hexachloroethane	50	44.3	ug/L	89				20 (76)	160 (118)		
	Nitrobenzene	50	44.7	ug/L	89				70 (58)	130 (106)		
	Hexachlorobutadiene	50	43.4	ug/L	87				70 (69)	130 (101)		
	2,4,6-Trichlorophenol	50	50.2	ug/L	100				70 (61)	130 (110)		
	2,4,5-Trichlorophenol	50	48.7	ug/L	97				70 (70)	130 (106)		
	2,4-Dinitrotoluene	50	46.6	ug/L	93				70 (60)	130 (115)		
	Hexachlorobenzene	50	44.7	ug/L	89				70 (73)	130 (106)		
	Pentachlorophenol	100	91.9	ug/L	92				20 (47)	160 (114)		

4B

SEMIVOLATILE METHOD BLANK SUMMARY

EPA SAMPLE NO.

PB167035BL

Lab Name: CHEMTECH

Contract: PORT06

Lab Code: CHEM Case No.: Q1488

SAS No.: Q1488 SDG NO.: Q1488

Lab File ID: BG064074.D

Lab Sample ID: PB167035BL

Instrument ID: BNA_G

Date Extracted: 03/07/2025

Matrix: (soil/water) water

Date Analyzed: 03/10/2025

Level: (low/med) LOW

Time Analyzed: 10:03

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

EPA SAMPLE NO.	LAB SAMPLE ID	LAB FILE ID	DATE ANALYZED
PB167035BS	PB167035BS	BG064075.D	03/10/2025
PB167020TB	PB167020TB	BG064076.D	03/10/2025
ENV-101-SB02	Q1488-04	BG064077.D	03/10/2025
ENV-102-SB01	Q1488-06	BG064078.D	03/10/2025
ENV-102-SB02	Q1488-08	BG064079.D	03/10/2025
ENV-104-SB01	Q1488-10	BG064080.D	03/10/2025
ENV-104-SB02	Q1488-12	BG064081.D	03/10/2025
ENV-101-SB01	Q1488-02	BF141892.D	03/07/2025
ENV-101-SB01MS	Q1488-02MS	BF141893.D	03/07/2025
ENV-101-SB01MSD	Q1488-02MSD	BF141894.D	03/07/2025

COMMENTS: _____

5B

SEMIVOLATILE ORGANIC INSTRUMENT PERFORMANCE CHECK
DECAFLUOROTRIPHENYLPHOSPHINE (DFTPP)

Lab Name: CHEMTECH

Contract: PORT06

Lab Code: CHEM

SAS No.: Q1488

SDG NO.: Q1488

Lab File ID: BF141792.D

DFTPP Injection Date: 02/27/2025

Instrument ID: BNA_F

DFTPP Injection Time: 14:47

m/e	ION ABUNDANCE CRITERIA	% RELATIVE ABUNDANCE
51	10.0 - 80.0% of mass 198	34.9
68	Less than 2.0% of mass 69	0.6 (1.7) 1
69	Mass 69 relative abundance	34.9
70	Less than 2.0% of mass 69	0.2 (0.4) 1
127	10.0 - 80.0% of mass 198	46.5
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	6.7
275	10.0 - 60.0% of mass 198	27.6
365	Greater than 1% of mass 198	3.7
441	Present, but less than mass 443	14.6
442	Greater than 50% of mass 198	100
443	15.0 - 24.0% of mass 442	18.1 (19.4) 2

1-Value is % mass 69

2-Value is % mass 442

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

EPA SAMPLE NO.	LAB SAMPLE ID	LAB FILE ID	DATE ANALYZED	TIME ANALYZED
SSTDICC2.5	SSTDICC2.5	BF141793.D	02/27/2025	15:17
SSTDICC005	SSTDICC005	BF141794.D	02/27/2025	15:46
SSTDICC010	SSTDICC010	BF141795.D	02/27/2025	16:16
SSTDICC020	SSTDICC020	BF141796.D	02/27/2025	16:46
SSTDICCC040	SSTDICCC040	BF141797.D	02/27/2025	17:16
SSTDICC050	SSTDICC050	BF141798.D	02/27/2025	17:46
SSTDICC060	SSTDICC060	BF141799.D	02/27/2025	18:15
SSTDICC080	SSTDICC080	BF141800.D	02/27/2025	18:45

5B

SEMIVOLATILE ORGANIC INSTRUMENT PERFORMANCE CHECK
DECAFLUOROTRIPHENYLPHOSPHINE (DFTPP)

Lab Name: CHEMTECH

Contract: PORT06

Lab Code: CHEM

SAS No.: Q1488 SDG NO.: Q1488

Lab File ID: BF141881.D

DFTPP Injection Date: 03/07/2025

Instrument ID: BNA_F

DFTPP Injection Time: 08:26

m/e	ION ABUNDANCE CRITERIA	% RELATIVE ABUNDANCE
51	10.0 - 80.0% of mass 198	32.3
68	Less than 2.0% of mass 69	0.6 (2) 1
69	Mass 69 relative abundance	33.4
70	Less than 2.0% of mass 69	0.2 (0.8) 1
127	10.0 - 80.0% of mass 198	46.6
197	Less than 2.0% of mass 198	0.0
198	Base Peak, 100% relative abundance	100
199	5.0 to 9.0% of mass 198	6.9
275	10.0 - 60.0% of mass 198	29.9
365	Greater than 1% of mass 198	4.0
441	Present, but less than mass 443	16.5
442	Greater than 50% of mass 198	100
443	15.0 - 24.0% of mass 442	19.7 (19.7) 2

1-Value is % mass 69

2-Value is % mass 442

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

EPA SAMPLE NO.	LAB SAMPLE ID	LAB FILE ID	DATE ANALYZED	TIME ANALYZED
SSTDCCC040	SSTDCCC040	BF141882.D	03/07/2025	08:56
ENV-101-SB01	Q1488-02	BF141892.D	03/07/2025	18:01
ENV-101-SB01MS	Q1488-02MS	BF141893.D	03/07/2025	18:30
ENV-101-SB01MSD	Q1488-02MSD	BF141894.D	03/07/2025	18:59

5B

SEMIVOLATILE ORGANIC INSTRUMENT PERFORMANCE CHECK
DECAFLUOROTRIPHENYLPHOSPHINE (DFTPP)

Lab Name: CHEMTECH

Contract: PORT06

Lab Code: CHEM

SAS No.: Q1488

SDG NO.: Q1488

Lab File ID: BG064044.D

DFTPP Injection Date: 03/05/2025

Instrument ID: BNA_G

DFTPP Injection Time: 08:15

m/e	ION ABUNDANCE CRITERIA	% RELATIVE ABUNDANCE
51	10.0 - 80.0% of mass 198	55.3
68	Less than 2.0% of mass 69	0.4 (1.1) 1
69	Mass 69 relative abundance	38
70	Less than 2.0% of mass 69	0.2 (0.5) 1
127	10.0 - 80.0% of mass 198	47
197	Less than 2.0% of mass 198	0.6
198	Base Peak, 100% relative abundance	100
199	5.0 to 9.0% of mass 198	6.4
275	10.0 - 60.0% of mass 198	26.2
365	Greater than 1% of mass 198	4.5
441	Present, but less than mass 443	13.7
442	Greater than 50% of mass 198	100
443	15.0 - 24.0% of mass 442	17.2 (20.2) 2

1-Value is % mass 69

2-Value is % mass 442

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

EPA SAMPLE NO.	LAB SAMPLE ID	LAB FILE ID	DATE ANALYZED	TIME ANALYZED
SSTDICC2.5	SSTDICC2.5	BG064045.D	03/05/2025	09:02
SSTDICC005	SSTDICC005	BG064046.D	03/05/2025	09:42
SSTDICC010	SSTDICC010	BG064047.D	03/05/2025	10:22
SSTDICC020	SSTDICC020	BG064048.D	03/05/2025	11:03
SSTDICCC040	SSTDICCC040	BG064049.D	03/05/2025	11:43
SSTDICC050	SSTDICC050	BG064050.D	03/05/2025	12:23
SSTDICC060	SSTDICC060	BG064051.D	03/05/2025	13:04
SSTDICC080	SSTDICC080	BG064052.D	03/05/2025	13:44

5B

SEMIVOLATILE ORGANIC INSTRUMENT PERFORMANCE CHECK
DECAFLUOROTRIPHENYLPHOSPHINE (DFTPP)

Lab Name: CHEMTECH

Contract: PORT06

Lab Code: CHEM

SAS No.: Q1488

SDG NO.: Q1488

Lab File ID: BG064072.D

DFTPP Injection Date: 03/10/2025

Instrument ID: BNA_G

DFTPP Injection Time: 08:43

m/e	ION ABUNDANCE CRITERIA	% RELATIVE ABUNDANCE
51	10.0 - 80.0% of mass 198	59.5
68	Less than 2.0% of mass 69	0.5 (1.3) 1
69	Mass 69 relative abundance	40.6
70	Less than 2.0% of mass 69	0.1 (0.3) 1
127	10.0 - 80.0% of mass 198	48.3
197	Less than 2.0% of mass 198	0.4
198	Base Peak, 100% relative abundance	100
199	5.0 to 9.0% of mass 198	7.1
275	10.0 - 60.0% of mass 198	28
365	Greater than 1% of mass 198	5.1
441	Present, but less than mass 443	14.7
442	Greater than 50% of mass 198	100
443	15.0 - 24.0% of mass 442	16.5 (20) 2

1-Value is % mass 69

2-Value is % mass 442

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

EPA SAMPLE NO.	LAB SAMPLE ID	LAB FILE ID	DATE ANALYZED	TIME ANALYZED
SSTDCCC040	SSTDCCC040	BG064073.D	03/10/2025	09:23
PB167035BL	PB167035BL	BG064074.D	03/10/2025	10:03
PB167035BS	PB167035BS	BG064075.D	03/10/2025	10:44
PB167020TB	PB167020TB	BG064076.D	03/10/2025	11:24
ENV-101-SB02	Q1488-04	BG064077.D	03/10/2025	12:22
ENV-102-SB01	Q1488-06	BG064078.D	03/10/2025	13:03
ENV-102-SB02	Q1488-08	BG064079.D	03/10/2025	13:43
ENV-104-SB01	Q1488-10	BG064080.D	03/10/2025	14:23
ENV-104-SB02	Q1488-12	BG064081.D	03/10/2025	15:04

8B

SEMIVOLATILE INTERNAL STANDARD AREA AND RT SUMMARY

Lab Name: CHEMTECH

Lab Code: CHEM Case No.: Q1488 SAS No.: Q1488 SDG NO.: Q1488

EPA Sample No.: SSTDCCC040 Date Analyzed: 03/07/2025

Lab File ID: BF141882.D Time Analyzed: 08:56

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	205331	6.887	782990	8.17	424782	9.92
UPPER LIMIT	410662	7.387	1565980	8.669	849564	10.422
LOWER LIMIT	102666	6.387	391495	7.669	212391	9.422
EPA SAMPLE NO.						
01 ENV-101-SB01	140140	6.89	544005	8.16	296494	9.92
02 ENV-101-SB01MS	146872	6.89	566046	8.17	296352	9.92
03 ENV-101-SB01MSD	134345	6.89	510741	8.17	263683	9.92

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

IS2 (NPT) = Naphthalene-d8

IS3 (ANT) = Acenaphthene-d10

AREA UPPER LIMIT = +100% of internal standard area

AREA LOWER LIMIT = -50% of internal standard area

RT UPPER LIMIT = +0.50 minutes of internal standard RT

RT UPPER LIMIT = -0.50 minutes of internal standard RT

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

* Values outside of QC limits.

8C

SEMIVOLATILE INTERNAL STANDARD AREA AND RT SUMMARY

Lab Name: CHEMTECH

Lab Code: CHEM Case No.: Q1488 SAS No.: Q1488 SDG NO.: Q1488

EPA Sample No.: SSTDCCC040 Date Analyzed: 03/07/2025

Lab File ID: BF141882.D Time Analyzed: 08:56

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	725251	11.404	490278	14.045	391726	15.516
UPPER LIMIT	1450500	11.904	980556	14.545	783452	16.016
LOWER LIMIT	362626	10.904	245139	13.545	195863	15.016
EPA SAMPLE NO.						
01 ENV-101-SB01	468306	11.40	340144	14.04	371112	15.51
02 ENV-101-SB01MS	482424	11.40	376304	14.05	373298	15.52
03 ENV-101-SB01MSD	403770	11.40	354164	14.04	380393	15.52

IS4 (PHN) = Phenanthrene-d10

IS5 (CRY) = Chrysene-d12

IS6 (PRY) = Perylene-d12

AREA UPPER LIMIT = +100% of internal standard area

AREA LOWER LIMIT = -50% of internal standard area

RT UPPER LIMIT = +0.50 minutes of internal standard RT

RT UPPER LIMIT = -0.50 minutes of internal standard RT

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

* Values outside of QC limits.

8B

SEMIVOLATILE INTERNAL STANDARD AREA AND RT SUMMARY

Lab Name: CHEMTECH

Lab Code: CHEM Case No.: Q1488 SAS No.: Q1488 SDG NO.: Q1488

EPA Sample No.: SSTDCCC040 Date Analyzed: 03/10/2025

Lab File ID: BG064073.D Time Analyzed: 09:23

Instrument ID: BNA_G GC Column: ZB-GR ID: 0.25 (mm)

	IS1 (DCB) AREA #	RT #	IS2 (NPT) AREA #	RT #	IS3 (ANT) AREA #	RT #
12 HOUR STD	33051	7.859	147761	10.65	101106	14.49
UPPER LIMIT	66102	8.359	295522	11.15	202212	14.986
LOWER LIMIT	16525.5	7.359	73880.5	10.15	50553	13.986
EPA SAMPLE NO.						
01 PB167035BL	32741	7.86	140985	10.65	98023	14.49
02 PB167035BS	35194	7.86	154810	10.65	106817	14.48
03 PB167020TB	33773	7.86	143930	10.65	102383	14.49
04 ENV-101-SB02	37069	7.87	149931	10.65	95174	14.49
05 ENV-102-SB01	35165	7.86	144374	10.65	92311	14.48
06 ENV-102-SB02	32475	7.86	132840	10.65	88542	14.49
07 ENV-104-SB01	31568	7.86	132922	10.65	86428	14.48
08 ENV-104-SB02	32215	7.86	132011	10.65	87599	14.48

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

IS2 (NPT) = Naphthalene-d8

IS3 (ANT) = Acenaphthene-d10

AREA UPPER LIMIT = +100% of internal standard area

AREA LOWER LIMIT = -50% of internal standard area

RT UPPER LIMIT = +0.50 minutes of internal standard RT

RT UPPER LIMIT = -0.50 minutes of internal standard RT

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

* Values outside of QC limits.

8C

SEMIVOLATILE INTERNAL STANDARD AREA AND RT SUMMARY

Lab Name: CHEMTECH

Lab Code: CHEM Case No.: Q1488 SAS No.: Q1488 SDG NO.: Q1488

EPA Sample No.: SSTDCCC040 Date Analyzed: 03/10/2025

Lab File ID: BG064073.D Time Analyzed: 09:23

Instrument ID: BNA_G GC Column: ZB-GR ID: 0.25 (mm)

	IS4 (PHN) AREA #	RT #	IS5 (CRY) AREA #	RT #	IS6 (PRY) AREA #	RT #
12 HOUR STD	218504	17.224	231279	21.46	238878	24.475
UPPER LIMIT	437008	17.724	462558	21.96	477756	24.975
LOWER LIMIT	109252	16.724	115640	20.96	119439	23.975
EPA SAMPLE NO.						
01 PB167035BL	230921	17.22	233034	21.45	246222	24.47
02 PB167035BS	235208	17.23	237204	21.46	255311	24.47
03 PB167020TB	231933	17.22	231627	21.45	250695	24.47
04 ENV-101-SB02	219929	17.22	243609	21.46	255654	24.48
05 ENV-102-SB01	221718	17.22	232567	21.46	240035	24.47
06 ENV-102-SB02	205793	17.23	234830	21.46	245151	24.47
07 ENV-104-SB01	203951	17.23	230232	21.46	240357	24.47
08 ENV-104-SB02	206278	17.23	226436	21.46	234414	24.47

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.



QC SAMPLE DATA

Report of Analysis

Client:	Portal Partners Tri-Venture	Date Collected:	
Project:	Amtrak Sawtooth Bridges 2025	Date Received:	
Client Sample ID:	PB167035BL	SDG No.:	Q1488
Lab Sample ID:	PB167035BL	Matrix:	TCLP
Analytical Method:	SW8270	% Solid:	0
Sample Wt/Vol:	1000 Units: mL	Final Vol:	1000 uL
Soil Aliquot Vol:	uL	Test:	TCLP BNA
Extraction Type :	Decanted : N	Level :	LOW
Injection Volume :	GPC Factor : 1.0	GPC Cleanup :	N PH :
Prep Method :	SW3510C		

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
BG064074.D	1	03/07/25 12:45	03/10/25 10:03	PB167035

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units
TARGETS						
110-86-1	Pyridine	1.60	U	1.60	5.00	ug/L
106-46-7	1,4-Dichlorobenzene	0.84	U	0.84	5.00	ug/L
95-48-7	2-Methylphenol	1.10	U	1.10	5.00	ug/L
65794-96-9	3+4-Methylphenols	1.20	U	1.20	10.0	ug/L
67-72-1	Hexachloroethane	1.00	U	1.00	5.00	ug/L
98-95-3	Nitrobenzene	1.30	U	1.30	5.00	ug/L
87-68-3	Hexachlorobutadiene	1.30	U	1.30	5.00	ug/L
88-06-2	2,4,6-Trichlorophenol	0.89	U	0.89	5.00	ug/L
95-95-4	2,4,5-Trichlorophenol	1.00	U	1.00	5.00	ug/L
121-14-2	2,4-Dinitrotoluene	1.50	U	1.50	5.00	ug/L
118-74-1	Hexachlorobenzene	1.10	U	1.10	5.00	ug/L
87-86-5	Pentachlorophenol	1.90	U	1.90	10.0	ug/L
SURROGATES						
367-12-4	2-Fluorophenol	142		15 (10) - 110 (139)	95%	SPK: 150
13127-88-3	Phenol-d6	136		15 (10) - 110 (134)	90%	SPK: 150
4165-60-0	Nitrobenzene-d5	97.0		30 (49) - 130 (133)	97%	SPK: 100
321-60-8	2-Fluorobiphenyl	94.7		30 (52) - 130 (132)	95%	SPK: 100
118-79-6	2,4,6-Tribromophenol	150		15 (44) - 110 (137)	100%	SPK: 150
1718-51-0	Terphenyl-d14	97.7		30 (48) - 130 (125)	98%	SPK: 100
INTERNAL STANDARDS						
3855-82-1	1,4-Dichlorobenzene-d4	32700	7.858			
1146-65-2	Naphthalene-d8	141000	10.649			
15067-26-2	Acenaphthene-d10	98000	14.486			
1517-22-2	Phenanthrene-d10	231000	17.224			
1719-03-5	Chrysene-d12	233000	21.454			
1520-96-3	Perylene-d12	246000	24.468			

Report of Analysis

Client:	Portal Partners Tri-Venture	Date Collected:	
Project:	Amtrak Sawtooth Bridges 2025	Date Received:	
Client Sample ID:	PB167035BL	SDG No.:	Q1488
Lab Sample ID:	PB167035BL	Matrix:	TCLP
Analytical Method:	SW8270	% Solid:	0
Sample Wt/Vol:	1000 Units: mL	Final Vol:	1000 uL
Soil Aliquot Vol:	uL	Test:	TCLP BNA
Extraction Type :	Decanted : N	Level :	LOW
Injection Volume :	GPC Factor : 1.0	GPC Cleanup :	N PH :
Prep Method :	SW3510C		

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
BG064074.D	1	03/07/25 12:45	03/10/25 10:03	PB167035

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units
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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

Report of Analysis

Client:	Portal Partners Tri-Venture	Date Collected:	
Project:	Amtrak Sawtooth Bridges 2025	Date Received:	
Client Sample ID:	PB167035BS	SDG No.:	Q1488
Lab Sample ID:	PB167035BS	Matrix:	TCLP
Analytical Method:	SW8270	% Solid:	0
Sample Wt/Vol:	1000 Units: mL	Final Vol:	1000 uL
Soil Aliquot Vol:	uL	Test:	TCLP BNA
Extraction Type :	Decanted : N	Level :	LOW
Injection Volume :	GPC Factor : 1.0	GPC Cleanup :	N PH :
Prep Method :	SW3510C		

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
BG064075.D	1	03/07/25 12:45	03/10/25 10:44	PB167035

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units
TARGETS						
110-86-1	Pyridine	39.2		1.60	5.00	ug/L
106-46-7	1,4-Dichlorobenzene	41.2		0.84	5.00	ug/L
95-48-7	2-Methylphenol	45.6		1.10	5.00	ug/L
65794-96-9	3+4-Methylphenols	46.0		1.20	10.0	ug/L
67-72-1	Hexachloroethane	44.3		1.00	5.00	ug/L
98-95-3	Nitrobenzene	44.7		1.30	5.00	ug/L
87-68-3	Hexachlorobutadiene	43.4		1.30	5.00	ug/L
88-06-2	2,4,6-Trichlorophenol	50.2		0.89	5.00	ug/L
95-95-4	2,4,5-Trichlorophenol	48.7		1.00	5.00	ug/L
121-14-2	2,4-Dinitrotoluene	46.6		1.50	5.00	ug/L
118-74-1	Hexachlorobenzene	44.7		1.10	5.00	ug/L
87-86-5	Pentachlorophenol	91.9	E	1.90	10.0	ug/L
SURROGATES						
367-12-4	2-Fluorophenol	139		15 (10) - 110 (139)	92%	SPK: 150
13127-88-3	Phenol-d6	137		15 (10) - 110 (134)	91%	SPK: 150
4165-60-0	Nitrobenzene-d5	96.8		30 (49) - 130 (133)	97%	SPK: 100
321-60-8	2-Fluorobiphenyl	92.8		30 (52) - 130 (132)	93%	SPK: 100
118-79-6	2,4,6-Tribromophenol	154		15 (44) - 110 (137)	102%	SPK: 150
1718-51-0	Terphenyl-d14	97.3		30 (48) - 130 (125)	97%	SPK: 100
INTERNAL STANDARDS						
3855-82-1	1,4-Dichlorobenzene-d4	35200		7.862		
1146-65-2	Naphthalene-d8	155000		10.647		
15067-26-2	Acenaphthene-d10	107000		14.484		
1517-22-2	Phenanthrene-d10	235000		17.228		
1719-03-5	Chrysene-d12	237000		21.458		
1520-96-3	Perylene-d12	255000		24.472		

Report of Analysis

Client:	Portal Partners Tri-Venture	Date Collected:	
Project:	Amtrak Sawtooth Bridges 2025	Date Received:	
Client Sample ID:	PB167035BS	SDG No.:	Q1488
Lab Sample ID:	PB167035BS	Matrix:	TCLP
Analytical Method:	SW8270	% Solid:	0
Sample Wt/Vol:	1000 Units: mL	Final Vol:	1000 uL
Soil Aliquot Vol:	uL	Test:	TCLP BNA
Extraction Type :	Decanted : N	Level :	LOW
Injection Volume :	GPC Factor : 1.0	GPC Cleanup :	N PH :
Prep Method :	SW3510C		

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
BG064075.D	1	03/07/25 12:45	03/10/25 10:44	PB167035

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units
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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

Report of Analysis

Client:	Portal Partners Tri-Venture	Date Collected:	03/04/25
Project:	Amtrak Sawtooth Bridges 2025	Date Received:	03/04/25
Client Sample ID:	ENV-101-SB01MS	SDG No.:	Q1488
Lab Sample ID:	Q1488-02MS	Matrix:	TCLP
Analytical Method:	SW8270	% Solid:	0
Sample Wt/Vol:	100 Units: mL	Final Vol:	1000 uL
Soil Aliquot Vol:	uL	Test:	TCLP BNA
Extraction Type :	Decanted : N	Level :	LOW
Injection Volume :	GPC Factor : 1.0	GPC Cleanup :	N PH :
Prep Method :	SW3510C		

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
BF141893.D	1	03/07/25 12:45	03/07/25 18:30	PB167035

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units
TARGETS						
110-86-1	Pyridine	290		15.5	50.0	ug/L
106-46-7	1,4-Dichlorobenzene	380		8.40	50.0	ug/L
95-48-7	2-Methylphenol	400		11.3	50.0	ug/L
65794-96-9	3+4-Methylphenols	410		11.5	100	ug/L
67-72-1	Hexachloroethane	370		10.1	50.0	ug/L
98-95-3	Nitrobenzene	450		12.7	50.0	ug/L
87-68-3	Hexachlorobutadiene	420		12.7	50.0	ug/L
88-06-2	2,4,6-Trichlorophenol	470		8.90	50.0	ug/L
95-95-4	2,4,5-Trichlorophenol	500		10.1	50.0	ug/L
121-14-2	2,4-Dinitrotoluene	560		15.2	50.0	ug/L
118-74-1	Hexachlorobenzene	500		11.4	50.0	ug/L
87-86-5	Pentachlorophenol	950	E	18.5	100	ug/L
SURROGATES						
367-12-4	2-Fluorophenol	118		15 (10) - 110 (139)	79%	SPK: 150
13127-88-3	Phenol-d6	108		15 (10) - 110 (134)	72%	SPK: 150
4165-60-0	Nitrobenzene-d5	110		30 (49) - 130 (133)	110%	SPK: 100
321-60-8	2-Fluorobiphenyl	102		30 (52) - 130 (132)	102%	SPK: 100
118-79-6	2,4,6-Tribromophenol	182	*	15 (44) - 110 (137)	122%	SPK: 150
1718-51-0	Terphenyl-d14	83.1		30 (48) - 130 (125)	83%	SPK: 100
INTERNAL STANDARDS						
3855-82-1	1,4-Dichlorobenzene-d4	147000		6.887		
1146-65-2	Naphthalene-d8	566000		8.169		
15067-26-2	Acenaphthene-d10	296000		9.922		
1517-22-2	Phenanthrene-d10	482000		11.404		
1719-03-5	Chrysene-d12	376000		14.045		
1520-96-3	Perylene-d12	373000		15.515		

Report of Analysis

Client:	Portal Partners Tri-Venture	Date Collected:	03/04/25
Project:	Amtrak Sawtooth Bridges 2025	Date Received:	03/04/25
Client Sample ID:	ENV-101-SB01MS	SDG No.:	Q1488
Lab Sample ID:	Q1488-02MS	Matrix:	TCLP
Analytical Method:	SW8270	% Solid:	0
Sample Wt/Vol:	100 Units: mL	Final Vol:	1000 uL
Soil Aliquot Vol:	uL	Test:	TCLP BNA
Extraction Type :	Decanted : N	Level :	LOW
Injection Volume :	GPC Factor : 1.0	GPC Cleanup :	N PH :
Prep Method :	SW3510C		

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
BF141893.D	1	03/07/25 12:45	03/07/25 18:30	PB167035

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units
------------	-----------	-------	-----------	-----	------------	-------

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

Report of Analysis

Client:	Portal Partners Tri-Venture	Date Collected:	03/04/25
Project:	Amtrak Sawtooth Bridges 2025	Date Received:	03/04/25
Client Sample ID:	ENV-101-SB01MSD	SDG No.:	Q1488
Lab Sample ID:	Q1488-02MSD	Matrix:	TCLP
Analytical Method:	SW8270	% Solid:	0
Sample Wt/Vol:	100 Units: mL	Final Vol:	1000 uL
Soil Aliquot Vol:	uL	Test:	TCLP BNA
Extraction Type :	Decanted : N	Level :	LOW
Injection Volume :	GPC Factor : 1.0	GPC Cleanup :	N PH :
Prep Method :	SW3510C		

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
BF141894.D	1	03/07/25 12:45	03/07/25 18:59	PB167035

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units
TARGETS						
110-86-1	Pyridine	310		15.5	50.0	ug/L
106-46-7	1,4-Dichlorobenzene	380		8.40	50.0	ug/L
95-48-7	2-Methylphenol	390		11.3	50.0	ug/L
65794-96-9	3+4-Methylphenols	400		11.5	100	ug/L
67-72-1	Hexachloroethane	370		10.1	50.0	ug/L
98-95-3	Nitrobenzene	450		12.7	50.0	ug/L
87-68-3	Hexachlorobutadiene	420		12.7	50.0	ug/L
88-06-2	2,4,6-Trichlorophenol	470		8.90	50.0	ug/L
95-95-4	2,4,5-Trichlorophenol	500		10.1	50.0	ug/L
121-14-2	2,4-Dinitrotoluene	560		15.2	50.0	ug/L
118-74-1	Hexachlorobenzene	500		11.4	50.0	ug/L
87-86-5	Pentachlorophenol	990	E	18.5	100	ug/L
SURROGATES						
367-12-4	2-Fluorophenol	122		15 (10) - 110 (139)	82%	SPK: 150
13127-88-3	Phenol-d6	110		15 (10) - 110 (134)	73%	SPK: 150
4165-60-0	Nitrobenzene-d5	112		30 (49) - 130 (133)	112%	SPK: 100
321-60-8	2-Fluorobiphenyl	102		30 (52) - 130 (132)	102%	SPK: 100
118-79-6	2,4,6-Tribromophenol	175	*	15 (44) - 110 (137)	116%	SPK: 150
1718-51-0	Terphenyl-d14	76.5		30 (48) - 130 (125)	76%	SPK: 100
INTERNAL STANDARDS						
3855-82-1	1,4-Dichlorobenzene-d4	134000		6.886		
1146-65-2	Naphthalene-d8	511000		8.169		
15067-26-2	Acenaphthene-d10	264000		9.922		
1517-22-2	Phenanthrene-d10	404000		11.404		
1719-03-5	Chrysene-d12	354000		14.039		
1520-96-3	Perylene-d12	380000		15.515		

Report of Analysis

Client:	Portal Partners Tri-Venture	Date Collected:	03/04/25
Project:	Amtrak Sawtooth Bridges 2025	Date Received:	03/04/25
Client Sample ID:	ENV-101-SB01MSD	SDG No.:	Q1488
Lab Sample ID:	Q1488-02MSD	Matrix:	TCLP
Analytical Method:	SW8270	% Solid:	0
Sample Wt/Vol:	100 Units: mL	Final Vol:	1000 uL
Soil Aliquot Vol:	uL	Test:	TCLP BNA
Extraction Type :	Decanted : N	Level :	LOW
Injection Volume :	GPC Factor : 1.0	GPC Cleanup :	N PH :
Prep Method :	SW3510C		

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
BF141894.D	1	03/07/25 12:45	03/07/25 18:59	PB167035

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units
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N = Presumptive Evidence of a Compound

* = Values outside of QC limits

D = Dilution

() = Laboratory InHouse Limit

A = Aldol-Condensation Reaction Products



CALIBRATION SUMMARY

Method Path : Z:\svoasrv\HPCHEM1\BNA_F\Methods\
 Method File : 8270-BF022725.M
 Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 Last Update : Fri Feb 28 01:48:16 2025
 Response Via : Initial Calibration

Calibration Files

2.5 =BF141793.D 5 =BF141794.D 10 =BF141795.D 20 =BF141796.D 40 =BF141797.D 50 =BF141798.D 60 =BF141799.D 80 =BF141800.D

	Compound	2.5	5	10	20	40	50	60	80	Avg	%RSD
1) I	1,4-Dichlorobenzen...	-----ISTD-----									
2)	1,4-Dioxane	0.613	0.554	0.576	0.596	0.545	0.554	0.541	0.568	4.81	
3)	Pyridine	1.403	1.412	1.486	1.476	1.380	1.389	1.350	1.414	3.54	
4)	n-Nitrosodimet...	0.634	0.666	0.689	0.730	0.674	0.686	0.683	0.680	4.21	
5) S	2-Fluorophenol	1.348	1.315	1.326	1.286	1.185	1.176	1.131	1.252	6.91	
6)	Aniline	1.746	1.727	1.805	1.809	1.642	1.625	1.509	1.695	6.42	
7) S	Phenol-d6	1.750	1.707	1.728	1.684	1.541	1.523	1.477	1.630	6.90	
8)	2-Chlorophenol	1.442	1.406	1.439	1.412	1.299	1.266	1.220	1.355	6.72	
9)	Benzaldehyde	1.151	1.088	1.024	0.982	0.874	0.824	0.694	0.948	16.84	
10) C	Phenol	1.854	1.823	1.866	1.819	1.641	1.625	1.564	1.742	7.26	
11)	bis(2-Chloroet...	1.377	1.376	1.392	1.339	1.279	1.265	1.265	1.328	4.26	
12)	1,3-Dichlorobe...	1.544	1.520	1.541	1.504	1.378	1.361	1.308	1.451	6.80	
13) C	1,4-Dichlorobe...	1.554	1.533	1.549	1.512	1.390	1.377	1.317	1.462	6.66	
14)	1,2-Dichlorobe...	1.493	1.444	1.476	1.401	1.286	1.270	1.186	1.365	8.63	
15)	Benzyl Alcohol	1.347	1.353	1.374	1.366	1.258	1.241	1.180	1.303	5.82	
16)	2,2'-oxybis(1-...	2.139	2.094	2.149	2.079	1.930	1.910	1.814	2.016	6.47	
17)	2-Methylphenol	1.155	1.132	1.165	1.164	1.079	1.084	1.049	1.118	4.22	
18)	Hexachloroethane	0.559	0.542	0.575	0.578	0.533	0.530	0.513	0.547	4.39	
19) P	n-Nitroso-di-n...	1.133	1.136	1.105	1.120	1.087	1.009	1.007	0.975	1.072	6.01
20)	3+4-Methylphenols	1.507	1.510	1.506	1.442	1.304	1.281	1.198	1.392	9.29	
21) I	Naphthalene-d8	-----ISTD-----									
22)	Acetophenone	0.539	0.517	0.512	0.497	0.456	0.455	0.434	0.487	8.04	
23) S	Nitrobenzene-d5	0.248	0.271	0.318	0.341	0.332	0.340	0.339	0.313	12.10	
24)	Nitrobenzene	0.273	0.303	0.346	0.363	0.349	0.357	0.354	0.335	10.07	
25)	Isophorone	0.702	0.682	0.690	0.682	0.642	0.659	0.649	0.672	3.35	
26) C	2-Nitrophenol	0.079	0.090	0.116	0.144	0.145	0.155	0.158	0.127	25.21	
27)	2,4-Dimethylph...	0.258	0.250	0.256	0.254	0.238	0.238	0.236	0.247	3.87	
28)	bis(2-Chloroet...	0.463	0.448	0.450	0.435	0.404	0.408	0.394	0.429	6.19	
29) C	2,4-Dichloroph...	0.280	0.288	0.296	0.298	0.277	0.281	0.275	0.285	3.20	
30)	1,2,4-Trichlor...	0.328	0.321	0.327	0.319	0.298	0.301	0.292	0.312	4.71	
31)	Naphthalene	1.140	1.097	1.100	1.043	0.960	0.950	0.906	1.028	8.74	
32)	Benzoic acid		0.099	0.145	0.191	0.200	0.215	0.226	0.179	26.89	
33)	4-Chloroaniline	0.402	0.392	0.398	0.379	0.350	0.356	0.360	0.377	5.66	
34) C	Hexachlorobuta...	0.199	0.193	0.202	0.199	0.188	0.191	0.187	0.194	2.98	
35)	Caprolactam	0.087	0.086	0.090	0.091	0.085	0.089	0.086	0.088	2.77	
36) C	4-Chloro-3-met...	0.333	0.316	0.329	0.326	0.300	0.310	0.303	0.317	4.16	
37)	2-Methylnaphth...	0.762	0.725	0.723	0.677	0.621	0.619	0.591	0.674	9.66	
38)	1-Methylnaphth...	0.734	0.688	0.697	0.652	0.594	0.594	0.570	0.647	9.67	

Method Path : Z:\svoasrv\HPCHEM1\BNA_F\Methods\
 Method File : 8270-BF022725.M

39) I	Acenaphthene-d10	-----ISTD-----									
40)	1,2,4,5-Tetrac...	0.609	0.600	0.602	0.589	0.549	0.553	0.540	0.578	5.03	
41) P	Hexachlorocycl...	0.217	0.230	0.252	0.258	0.246	0.247	0.236	0.241	5.87	
42) S	2,4,6-Tribromo...	0.175	0.179	0.188	0.199	0.183	0.196	0.194	0.188	4.80	
43) C	2,4,6-Trichlor...	0.355	0.368	0.381	0.398	0.366	0.368	0.377	0.373	3.65	
44)	2,4,5-Trichlor...	0.348	0.364	0.388	0.383	0.364	0.380	0.360	0.369	3.89	
45) S	2-Fluorobiphenyl	1.443	1.387	1.346	1.237	1.128	1.141	1.049	1.247	11.93	
46)	1,1'-Biphenyl	1.694	1.659	1.630	1.519	1.413	1.419	1.323	1.522	9.38	
47)	2-Chloronaphth...	1.211	1.184	1.201	1.135	1.058	1.071	1.006	1.124	7.10	
48)	2-Nitroaniline	0.152	0.187	0.246	0.300	0.297	0.319	0.323	0.260	26.00	
49)	Acenaphthylene	1.847	1.809	1.798	1.711	1.560	1.596	1.472	1.685	8.54	
50)	Dimethylphthalate	1.431	1.405	1.405	1.363	1.262	1.285	1.224	1.339	6.09	
51)	2,6-Dinitrotol...	0.136	0.184	0.231	0.257	0.251	0.265	0.261	0.226	21.50	
52) C	Acenaphthene	1.217	1.201	1.197	1.150	1.068	1.084	1.039	1.137	6.37	
53)	3-Nitroaniline	0.146	0.193	0.243	0.277	0.264	0.282	0.280	0.241	21.68	
54) P	2,4-Dinitrophenol		0.049	0.066	0.093	0.096	0.112	0.116	0.089	29.73	
55)	Dibenzofuran	1.850	1.794	1.765	1.663	1.532	1.542	1.436	1.654	9.40	
56) P	4-Nitrophenol	0.129	0.159	0.197	0.228	0.215	0.229	0.227	0.198	19.87	
57)	2,4-Dinitrotol...	0.151	0.198	0.265	0.313	0.310	0.325	0.320	0.269	25.57	
58)	Fluorene	1.433	1.367	1.313	1.228	1.128	1.134	1.072	1.239	10.97	
59)	2,3,4,6-Tetrac...	0.313	0.314	0.336	0.339	0.309	0.322	0.315	0.321	3.66	
60)	Diethylphthalate	1.429	1.413	1.428	1.383	1.259	1.275	1.212	1.343	6.78	
61)	4-Chlorophenyl...	0.691	0.665	0.654	0.620	0.572	0.583	0.562	0.621	8.09	
62)	4-Nitroaniline	0.149	0.187	0.229	0.267	0.248	0.265	0.256	0.229	19.54	
63)	Azobenzene	1.544	1.503	1.505	1.437	1.320	1.325	1.262	1.414	7.81	
64) I	Phenanthrene-d10	-----ISTD-----									
65)	4,6-Dinitro-2-...		0.043	0.063	0.087	0.090	0.100	0.103	0.081	28.86	
66) c	n-Nitrosodiphe...	0.702	0.681	0.689	0.665	0.631	0.623	0.607	0.657	5.56	
67)	4-Bromophenyl-...	0.241	0.237	0.239	0.238	0.227	0.230	0.224	0.234	2.86	
68)	Hexachlorobenzene	0.253	0.249	0.255	0.251	0.240	0.242	0.237	0.247	2.79	
69)	Atrazine	0.213	0.208	0.196	0.179	0.149	0.139		0.181	17.11	
70) C	Pentachlorophenol	0.137	0.146	0.161	0.169	0.159	0.164	0.160	0.156	7.07	
71)	Phenanthrene	1.186	1.152	1.134	1.073	1.001	1.001	0.940	1.070	8.58	
72)	Anthracene	1.203	1.156	1.155	1.068	1.002	0.990	0.931	1.072	9.54	
73)	Carbazole	1.074	1.010	1.014	0.955	0.882	0.871	0.821	0.947	9.69	
74)	Di-n-butylphth...	1.335	1.291	1.291	1.208	1.128	1.114	1.035	1.200	9.30	
75) C	Fluoranthene	1.285	1.216	1.192	1.089	0.992	0.981	0.917	1.096	12.66	
76) I	Chrysene-d12	-----ISTD-----									
77)	Benzidine		0.342	0.198	0.259	0.214	0.181	0.316	0.252	26.09	
78)	Pyrene	1.698	1.687	1.815	1.796	1.738	1.734	1.656	1.732	3.32	
79) S	Terphenyl-d14	1.250	1.233	1.297	1.259	1.230	1.227	1.157	1.236	3.43	
80)	Butylbenzylpht...	0.546	0.579	0.643	0.668	0.650	0.667	0.652	0.629	7.54	
81)	Benzo(a)anthra...	1.367	1.387	1.384	1.312	1.244	1.262	1.292	1.321	4.46	
82)	3,3'-Dichlorob...	0.406	0.380	0.382	0.393	0.364	0.364	0.365	0.379	4.27	
83)	Chrysene	1.303	1.184	1.235	1.265	1.185	1.209	1.144	1.218	4.42	
84)	Bis(2-ethylhex...	0.702	0.696	0.788	0.832	0.811	0.828	0.827	0.783	7.59	
85) c	Di-n-octyl pht...	0.903	0.922	1.109	1.307	1.304	1.318	1.348	1.173	16.59	

Method Path : Z:\svoasrv\HPCHEM1\BNA_F\Methods\
Method File : 8270-BF022725.M

86) I	Perylene-d12	-----ISTD-----								
87)	Indeno(1,2,3-c...	1.097	1.126	1.240	1.346	1.337	1.371	1.397	1.274	9.52
88)	Benzo(b)fluora...	1.442	1.396	1.533	1.306	1.232	1.370	1.256	1.362	7.81
89)	Benzo(k)fluora...	1.274	1.240	1.098	1.214	1.165	1.040	1.074	1.158	7.70
90) C	Benzo(a)pyrene	1.113	1.083	1.133	1.119	1.060	1.080	1.060	1.093	2.68
91)	Dibenzo(a,h)an...	0.902	0.931	1.025	1.109	1.094	1.101	1.115	1.040	8.63
92)	Benzo(g,h,i)pe...	0.898	0.929	1.034	1.130	1.129	1.156	1.179	1.065	10.60

(#) = Out of Range

Method Path : Z:\svoasrv\HPCHEM1\BNA_G\Methods\
 Method File : 8270-BG030525.M
 Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 Last Update : Wed Mar 05 15:39:19 2025
 Response Via : Initial Calibration

Calibration Files

2.5 =BG064045.D 5 =BG064046.D 10 =BG064047.D 20 =BG064048.D 40 =BG064049.D 50 =BG064050.D 60 =BG064051.D 80 =BG064052.D

Compound	2.5	5	10	20	40	50	60	80	Avg	%RSD

1) I 1,4-Dichlorobenzen...	-----ISTD-----									
2) 1,4-Dioxane		0.598	0.605	0.624	0.585	0.559	0.539	0.554	0.580	5.31
3) Pyridine		1.450	1.445	1.452	1.573	1.338	1.376	1.248	1.412	7.30
4) n-Nitrosodimet...		0.892	0.976	1.017	1.064	0.996	1.047	1.068	1.009	6.16
5) S 2-Fluorophenol		1.165	1.240	1.330	1.350	1.259	1.318	1.304	1.281	5.00
6) Aniline		1.593	1.670	1.825	1.820	1.642	1.748	1.671	1.710	5.24
7) S Phenol-d6		1.580	1.631	1.794	1.848	1.703	1.839	1.803	1.742	6.09
8) 2-Chlorophenol		1.262	1.337	1.412	1.446	1.333	1.420	1.420	1.376	4.80
9) Benzaldehyde		1.111	1.122	1.133	1.003	0.860	0.850		1.013	12.94
10) C Phenol		1.590	1.693	1.826	1.881	1.752	1.900	1.846	1.784	6.30
11) bis(2-Chloroet...		1.375	1.444	1.424	1.415	1.322	1.418	1.394	1.399	2.88
12) 1,3-Dichlorobe...		1.523	1.539	1.501	1.546	1.438	1.519	1.508	1.511	2.36
13) C 1,4-Dichlorobe...		1.548	1.546	1.607	1.592	1.478	1.536	1.532	1.548	2.72
14) 1,2-Dichlorobe...		1.488	1.464	1.543	1.519	1.416	1.525	1.497	1.493	2.88
15) Benzyl Alcohol		1.115	1.249	1.343	1.436	1.358	1.467	1.457	1.346	9.50
16) 2,2'-oxybis(1-...		3.064	3.024	3.209	3.282	2.996	3.218	3.222	3.145	3.61
17) 2-Methylphenol		1.015	1.116	1.177	1.268	1.171	1.269	1.271	1.184	8.11
18) Hexachloroethane		0.489	0.519	0.520	0.577	0.526	0.581	0.580	0.542	6.88
19) P n-Nitroso-di-n...	1.146	1.095	1.157	1.282	1.323	1.189	1.322	1.268	1.223	7.13
20) 3+4-Methylphenols		1.402	1.518	1.638	1.706	1.612	1.804	1.729	1.630	8.34

21) I Naphthalene-d8	-----ISTD-----									
22) Acetophenone		0.522	0.525	0.580	0.563	0.546	0.561	0.543	0.548	3.82
23) S Nitrobenzene-d5		0.290	0.300	0.360	0.385	0.390	0.400	0.409	0.362	13.32
24) Nitrobenzene		0.298	0.320	0.390	0.397	0.396	0.409	0.409	0.374	12.20
25) Isophorone		0.709	0.672	0.744	0.745	0.717	0.757	0.727	0.724	3.93
26) C 2-Nitrophenol		0.067	0.079	0.096	0.122	0.130	0.141	0.147	0.112	28.03
27) 2,4-Dimethylph...		0.194	0.187	0.221	0.228	0.221	0.239	0.229	0.217	8.82
28) bis(2-Chloroet...		0.424	0.417	0.468	0.443	0.427	0.449	0.445	0.439	4.03
29) C 2,4-Dichloroph...		0.222	0.239	0.281	0.287	0.290	0.301	0.298	0.274	11.22
30) 1,2,4-Trichlor...		0.323	0.317	0.343	0.332	0.336	0.335	0.332	0.331	2.54
31) Naphthalene		1.078	1.043	1.114	1.079	1.061	1.097	1.077	1.078	2.13
32) Benzoic acid			0.078	0.139	0.172	0.191	0.217	0.220	0.170	31.75
33) 4-Chloroaniline		0.355	0.364	0.407	0.416	0.394	0.419	0.404	0.394	6.46
34) C Hexachlorobuta...		0.208	0.213	0.225	0.219	0.216	0.220	0.218	0.217	2.55
35) Caprolactam		0.086	0.091	0.112	0.110	0.113	0.112	0.111	0.105	10.78
36) C 4-Chloro-3-met...		0.293	0.330	0.379	0.373	0.373	0.390	0.376	0.359	9.67
37) 2-Methylnaphth...		0.775	0.727	0.788	0.763	0.746	0.779	0.751	0.761	2.80
38) 1-Methylnaphth...		0.745	0.728	0.771	0.753	0.724	0.768	0.733	0.746	2.53

Method Path : Z:\svoasrv\HPCHEM1\BNA_G\Methods\
 Method File : 8270-BG030525.M

39) I	Acenaphthene-d10	-----ISTD-----									
40)	1,2,4,5-Tetrac...	0.547	0.584	0.592	0.586	0.560	0.562	0.566	0.571	2.88	
41) P	Hexachlorocycl...	0.123	0.128	0.161	0.175	0.175	0.180	0.183	0.161	15.44	
42) S	2,4,6-Tribromo...	0.166	0.191	0.226	0.241	0.241	0.250	0.241	0.222	14.12	
43) C	2,4,6-Trichlor...	0.268	0.293	0.341	0.358	0.362	0.368	0.366	0.337	11.89	
44)	2,4,5-Trichlor...	0.284	0.330	0.381	0.406	0.396	0.407	0.413	0.374	12.98	
45) S	2-Fluorobiphenyl	1.369	1.310	1.359	1.368	1.283	1.284	1.251	1.318	3.62	
46)	1,1'-Biphenyl	1.506	1.499	1.572	1.538	1.475	1.512	1.475	1.511	2.29	
47)	2-Chloronaphth...	1.086	1.075	1.100	1.127	1.102	1.121	1.103	1.102	1.63	
48)	2-Nitroaniline	0.197	0.231	0.277	0.348	0.368	0.396	0.408	0.318	26.14	
49)	Acenaphthylene	1.714	1.677	1.793	1.789	1.735	1.777	1.717	1.743	2.53	
50)	Dimethylphthalate	1.432	1.401	1.559	1.520	1.463	1.508	1.452	1.476	3.73	
51)	2,6-Dinitrotol...	0.158	0.200	0.262	0.292	0.300	0.307	0.308	0.261	22.73	
52) C	Acenaphthene	1.165	1.148	1.231	1.187	1.159	1.171	1.128	1.170	2.77	
53)	3-Nitroaniline	0.190	0.228	0.298	0.316	0.313	0.329	0.323	0.285	18.96	
54) P	2,4-Dinitrophenol		0.066	0.084	0.100	0.111	0.121	0.129	0.102	23.25	
55)	Dibenzofuran	1.926	1.881	1.976	1.941	1.853	1.864	1.826	1.895	2.84	
56) P	4-Nitrophenol		0.164	0.200	0.257	0.280	0.270	0.265	0.239	19.47	
57)	2,4-Dinitrotol...	0.225	0.255	0.344	0.404	0.418	0.426	0.424	0.357	23.78	
58)	Fluorene	1.555	1.450	1.542	1.478	1.452	1.460	1.395	1.476	3.79	
59)	2,3,4,6-Tetrac...	0.262	0.326	0.388	0.395	0.385	0.402	0.393	0.365	14.21	
60)	Diethylphthalate	1.496	1.501	1.709	1.669	1.624	1.637	1.584	1.603	5.06	
61)	4-Chlorophenyl...	0.754	0.744	0.788	0.735	0.712	0.721	0.681	0.733	4.61	
62)	4-Nitroaniline	0.213	0.263	0.313	0.345	0.351	0.339	0.333	0.308	16.67	
63)	Azobenzene	1.734	1.645	1.785	1.758	1.700	1.705	1.644	1.710	3.13	
64) I	Phenanthrene-d10	-----ISTD-----									
65)	4,6-Dinitro-2-...		0.050	0.059	0.075	0.082	0.092	0.096	0.076	24.31	
66) c	n-Nitrosodiphe...	0.558	0.551	0.582	0.578	0.558	0.571	0.565	0.566	2.06	
67)	4-Bromophenyl-...	0.186	0.195	0.212	0.210	0.200	0.217	0.213	0.205	5.61	
68)	Hexachlorobenzene	0.227	0.226	0.236	0.229	0.228	0.229	0.230	0.229	1.45	
69)	Atrazine	0.175	0.190	0.179	0.160	0.129			0.167	14.34	
70) C	Pentachlorophenol		0.105	0.128	0.149	0.151	0.159	0.163	0.142	15.58	
71)	Phenanthrene	1.084	1.034	1.110	1.080	1.054	1.059	1.047	1.067	2.44	
72)	Anthracene	1.024	1.041	1.104	1.085	1.055	1.065	1.051	1.061	2.55	
73)	Carbazole	0.949	0.988	1.020	1.027	1.007	0.986	0.956	0.990	3.02	
74)	Di-n-butylphth...	0.932	1.095	1.213	1.257	1.236	1.219	1.208	1.166	9.90	
75) C	Fluoranthene	1.272	1.315	1.336	1.318	1.298	1.243	1.221	1.286	3.31	
76) I	Chrysene-d12	-----ISTD-----									
77)	Benzidine	0.221	0.400	0.238	0.313	0.195	0.299	0.271	0.277	24.80	
78)	Pyrene	1.251	1.287	1.350	1.310	1.254	1.290	1.282	1.289	2.63	
79) S	Terphenyl-d14	1.011	1.024	1.062	0.999	0.944	0.957	0.927	0.989	4.88	
80)	Butylbenzylpht...	0.285	0.331	0.405	0.465	0.473	0.503	0.502	0.423	20.44	
81)	Benzo(a)anthra...	1.217	1.268	1.310	1.303	1.275	1.309	1.286	1.281	2.54	
82)	3,3'-Dichlorob...	0.350	0.396	0.444	0.450	0.416	0.436	0.411	0.415	8.27	
83)	Chrysene	1.281	1.233	1.308	1.306	1.263	1.301	1.252	1.278	2.29	
84)	Bis(2-ethylhex...	0.504	0.582	0.685	0.757	0.751	0.789	0.782	0.693	15.90	
85) c	Di-n-octyl pht...		0.892	1.108	1.239	1.256	1.339	1.338	1.195	14.31	

Method Path : Z:\svoasrv\HPCHEM1\BNA_G\Methods\
Method File : 8270-BG030525.M

86) I	Perylene-d12	-----ISTD-----								
87)	Indeno(1,2,3-c...	1.223	1.232	1.408	1.376	1.354	1.381	1.394	1.338	5.80
88)	Benzo(b)fluora...	1.150	1.146	1.269	1.216	1.232	1.215	1.236	1.209	3.76
89)	Benzo(k)fluora...	1.111	1.189	1.281	1.255	1.205	1.234	1.215	1.213	4.49
90) C	Benzo(a)pyrene	0.993	1.022	1.124	1.107	1.106	1.092	1.093	1.077	4.57
91)	Dibenzo(a,h)an...	1.029	1.036	1.151	1.133	1.134	1.123	1.160	1.109	4.86
92)	Benzo(g,h,i)pe...	1.049	1.093	1.208	1.152	1.146	1.155	1.168	1.139	4.58

(#) = Out of Range

7C

SEMIVOLATILE CONTINUING CALIBRATION CHECK

Lab Name: CHEMTECH Contract: PORT06

Lab Code: CHEM Case No.: Q1488 SAS No.: Q1488 SDG No.: Q1488

Instrument ID: BNA_F Calibration Date/Time: 03/07/2025 08:56

Lab File ID: BF141882.D Init. Calib. Date(s): 02/27/2025 02/27/2025

EPA Sample No.: SSTDCCC040 Init. Calib. Time(s): 15:17 18:45

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

COMPOUND	RRF	RRF040	MIN RRF	%D	MAX%D
Pyridine	1.414	1.348		-4.7	
2-Fluorophenol	1.252	1.256		0.3	
Phenol-d6	1.630	1.579		-3.1	
1,4-Dichlorobenzene	1.462	1.487		1.7	20.0
2-Methylphenol	1.118	1.079		-3.5	
3+4-Methylphenols	1.392	1.368		-1.7	
Nitrobenzene-d5	0.313	0.378		20.8	
Hexachloroethane	0.547	0.553		1.1	
Nitrobenzene	0.335	0.376		12.2	
Hexachlorobutadiene	0.194	0.214		10.3	20.0
2,4,6-Trichlorophenol	0.373	0.408		9.4	20.0
2-Fluorobiphenyl	1.247	1.329		6.6	
2,4,5-Trichlorophenol	0.369	0.436		18.2	
2,4-Dinitrotoluene	0.269	0.415		54.3	
2,4,6-Tribromophenol	0.188	0.260		38.3	
Hexachlorobenzene	0.247	0.280		13.4	
Pentachlorophenol	0.156	0.195		25.0	20.0
Terphenyl-d14	1.236	1.349		9.1	

All other compounds must meet a minimum RRF of 0.010.

7C

SEMIVOLATILE CONTINUING CALIBRATION CHECK

Lab Name: CHEMTECH Contract: PORT06

Lab Code: CHEM Case No.: Q1488 SAS No.: Q1488 SDG No.: Q1488

Instrument ID: BNA_G Calibration Date/Time: 03/10/2025 09:23

Lab File ID: BG064073.D Init. Calib. Date(s): 03/05/2025 03/05/2025

EPA Sample No.: SSTDCCC040 Init. Calib. Time(s): 09:02 13:44

GC Column: ZB-GR ID: 0.25 (mm)

COMPOUND	RRF	RRF040	MIN RRF	%D	MAX%D
Pyridine	1.412	1.607		13.8	
2-Fluorophenol	1.281	1.298		1.3	
Phenol-d6	1.742	1.787		2.6	
1,4-Dichlorobenzene	1.548	1.559		0.7	20.0
2-Methylphenol	1.184	1.244		5.1	
3+4-Methylphenols	1.630	1.707		4.7	
Nitrobenzene-d5	0.362	0.395		9.1	
Hexachloroethane	0.542	0.570		5.2	
Nitrobenzene	0.374	0.392		4.8	
Hexachlorobutadiene	0.217	0.225		3.7	20.0
2,4,6-Trichlorophenol	0.337	0.387		14.8	20.0
2-Fluorobiphenyl	1.318	1.399		6.1	
2,4,5-Trichlorophenol	0.374	0.424		13.4	
2,4-Dinitrotoluene	0.357	0.406		13.7	
2,4,6-Tribromophenol	0.222	0.242		9.0	
Hexachlorobenzene	0.229	0.240		4.8	
Pentachlorophenol	0.142	0.148		4.2	20.0
Terphenyl-d14	0.989	0.972		-1.7	

All other compounds must meet a minimum RRF of 0.010.



SAMPLE RAW DATA

Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG031025\
Data File : BG064076.D
Acq On : 10 Mar 2025 11:24
Operator : RC/JU
Sample : PB167020TB
Misc :
ALS Vial : 5 Sample Multiplier: 1

Instrument :
BNA_G
ClientSampleId :
PB167020TB

Quant Time: Mar 10 13:01:39 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_G\Methods\8270-BG030525.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Wed Mar 05 15:39:19 2025
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) 1,4-Dichlorobenzene-d4	7.864	152	33773	20.000	ng	# 0.00
21) Naphthalene-d8	10.649	136	143930	20.000	ng	# 0.00
39) Acenaphthene-d10	14.486	164	102383	20.000	ng	0.00
64) Phenanthrene-d10	17.224	188	231933	20.000	ng	0.00
76) Chrysene-d12	21.454	240	231627	20.000	ng	0.00
86) Perylene-d12	24.468	264	250695	20.000	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.449	112	311735	144.126	ng	0.00
7) Phenol-d6	7.030	99	409825	139.281	ng	0.00
23) Nitrobenzene-d5	9.016	82	264974	101.737	ng	0.00
42) 2,4,6-Tribromophenol	15.972	330	168851	148.368	ng	0.00
45) 2-Fluorobiphenyl	13.111	172	640087	94.896	ng	0.00
79) Terphenyl-d14	19.850	244	1171504	102.267	ng	0.00

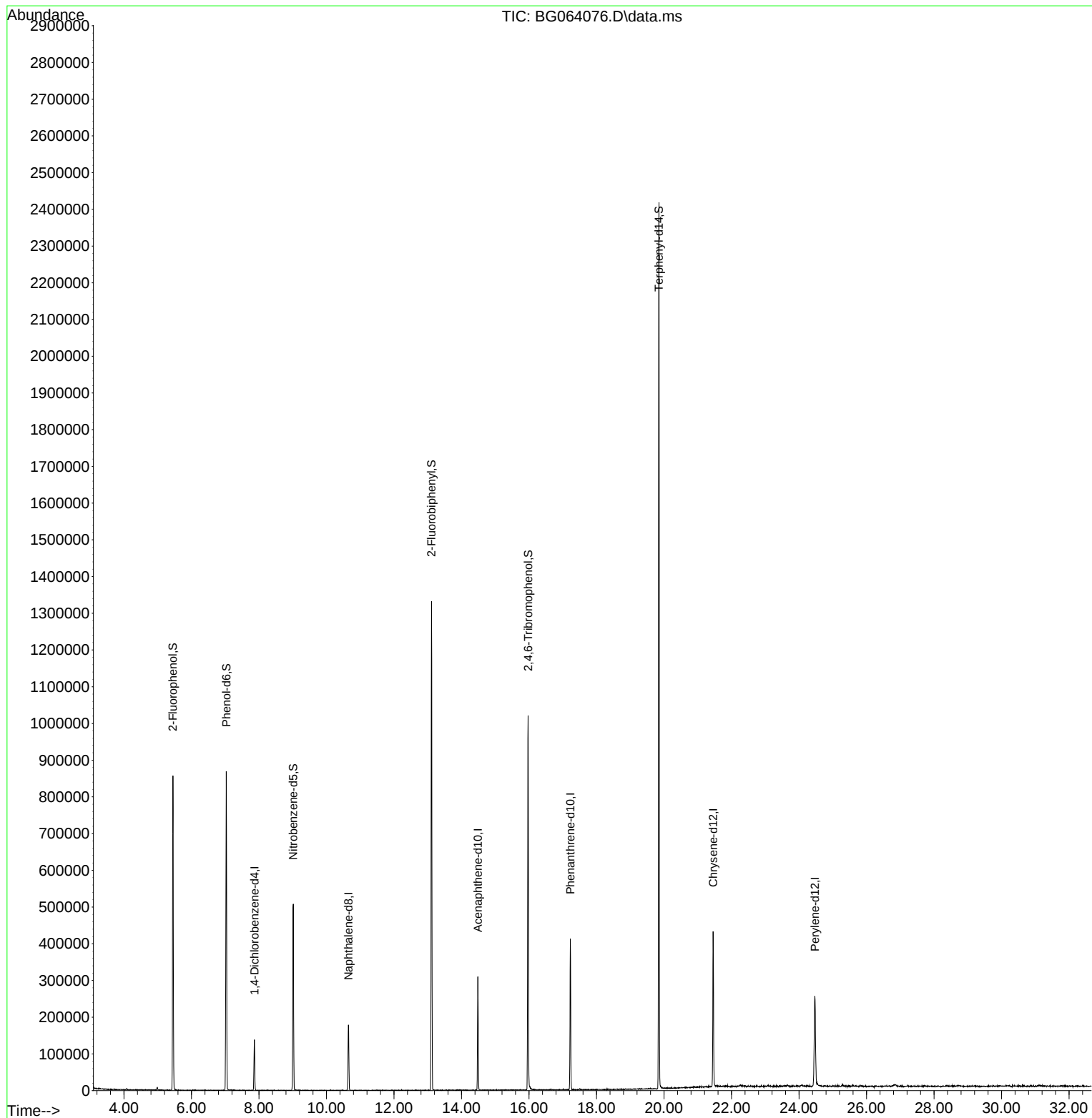
Target Compounds	Qvalue

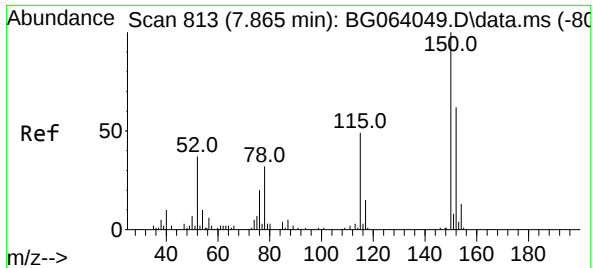
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Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG031025\
Data File : BG064076.D
Acq On : 10 Mar 2025 11:24
Operator : RC/JU
Sample : PB167020TB
Misc :
ALS Vial : 5 Sample Multiplier: 1

Instrument :
BNA_G
ClientSampleId :
PB167020TB

Quant Time: Mar 10 13:01:39 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_G\Methods\8270-BG030525.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Wed Mar 05 15:39:19 2025
Response via : Initial Calibration

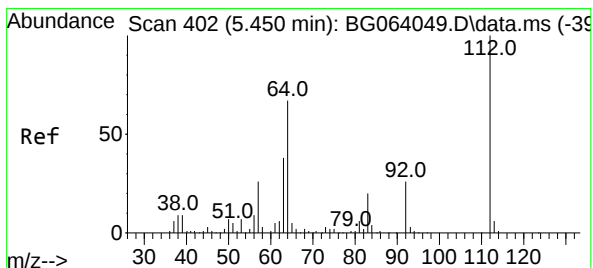
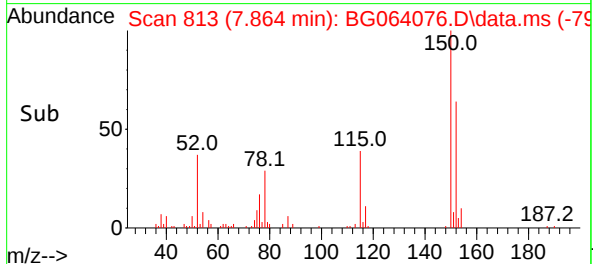
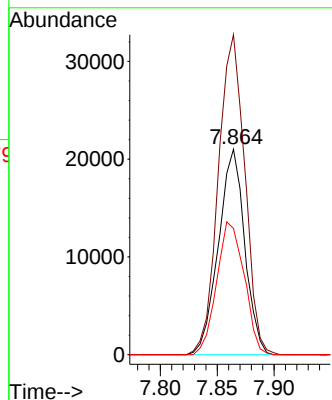
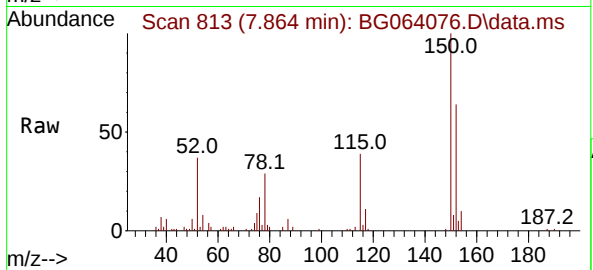




#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 7.864 min Scan# 813
Delta R.T. -0.001 min
Lab File: BG064076.D
Acq: 10 Mar 2025 11:24

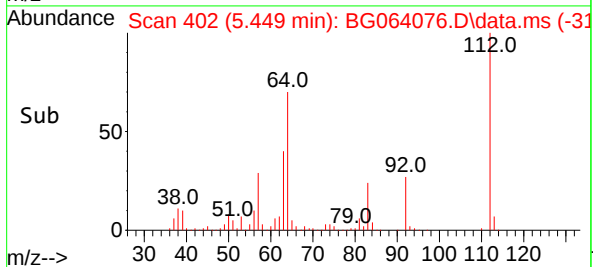
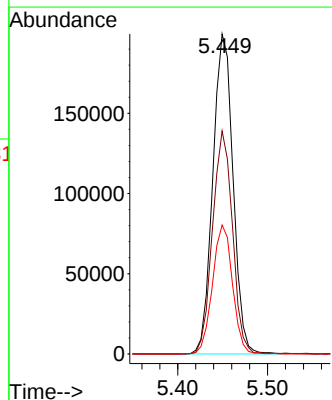
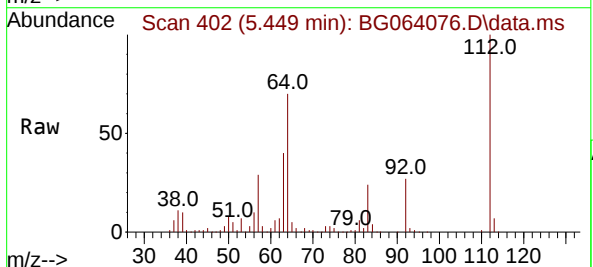
Instrument :
BNA_G
ClientSampleId :
PB167020TB

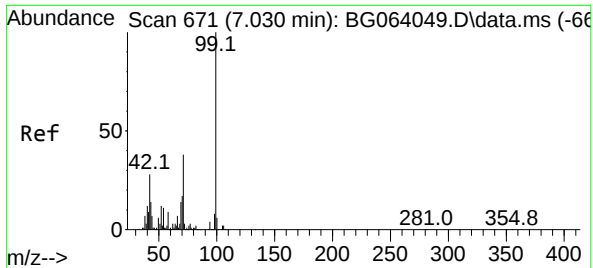
Tgt Ion:152 Resp: 33773
Ion Ratio Lower Upper
152 100
150 155.8 129.2 193.8
115 61.5 63.0 94.6#



#5
2-Fluorophenol
Concen: 144.126 ng
RT: 5.449 min Scan# 402
Delta R.T. -0.001 min
Lab File: BG064076.D
Acq: 10 Mar 2025 11:24

Tgt Ion:112 Resp: 311735
Ion Ratio Lower Upper
112 100
64 69.7 53.7 80.5
63 40.3 30.2 45.4

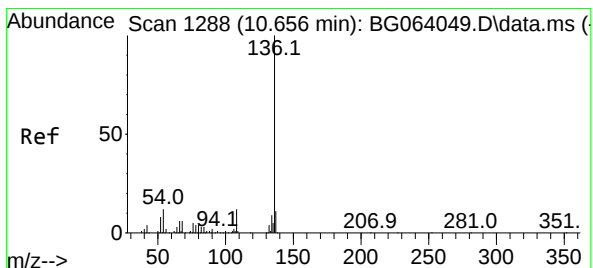
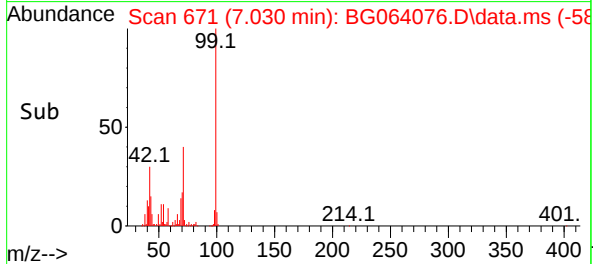
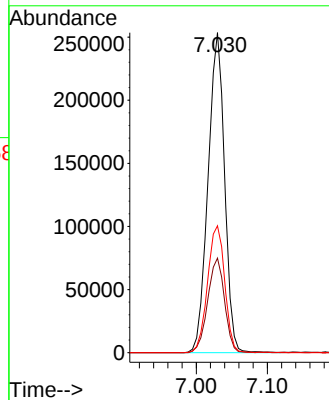
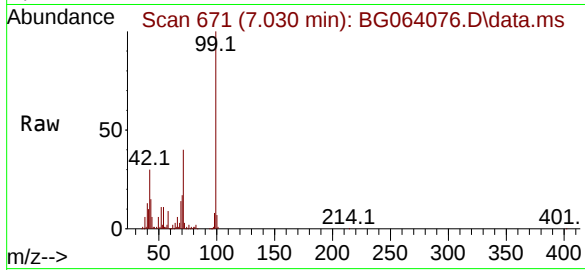




#7
Phenol-d6
Concen: 139.281 ng
RT: 7.030 min Scan# 61
Delta R.T. -0.001 min
Lab File: BG064076.D
Acq: 10 Mar 2025 11:24

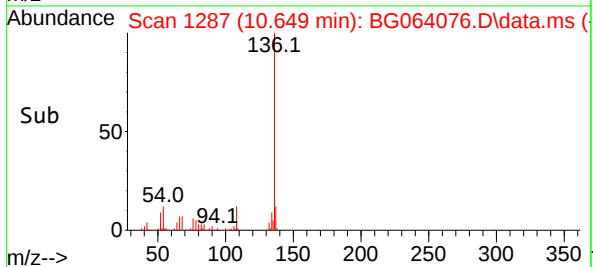
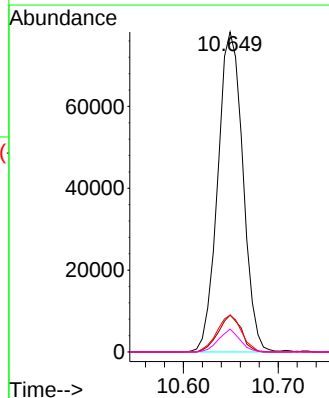
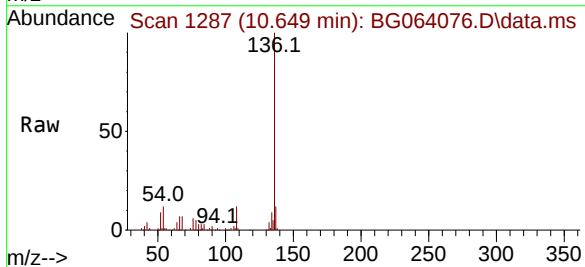
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ClientSampleId :
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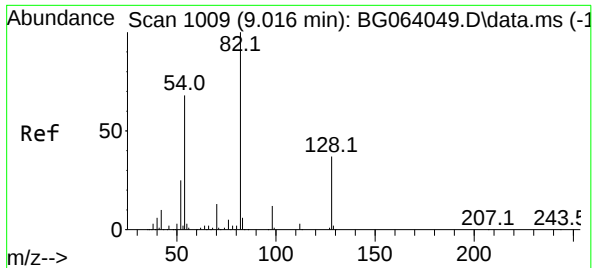
Tgt Ion: 99 Resp: 409825
Ion Ratio Lower Upper
99 100
42 29.5 22.7 34.1
71 39.6 30.6 46.0



#21
Naphthalene-d8
Concen: 20.000 ng
RT: 10.649 min Scan# 1287
Delta R.T. -0.007 min
Lab File: BG064076.D
Acq: 10 Mar 2025 11:24

Tgt Ion: 136 Resp: 143930
Ion Ratio Lower Upper
136 100
137 11.6 8.5 12.7
54 11.5 9.9 14.9
68 7.2 4.6 6.8





#23

Nitrobenzene-d5

Concen: 101.737 ng

RT: 9.016 min Scan# 1009

Delta R.T. -0.001 min

Lab File: BG064076.D

Acq: 10 Mar 2025 11:24

Instrument :

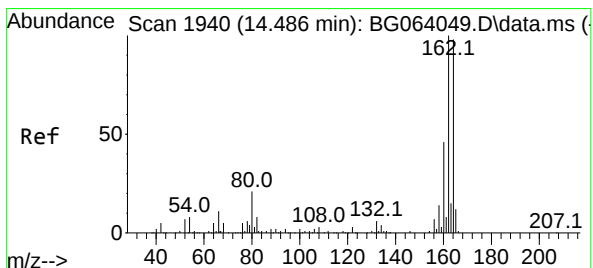
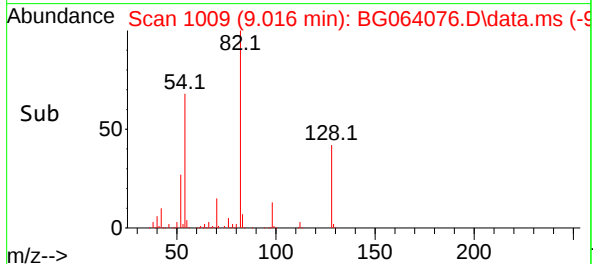
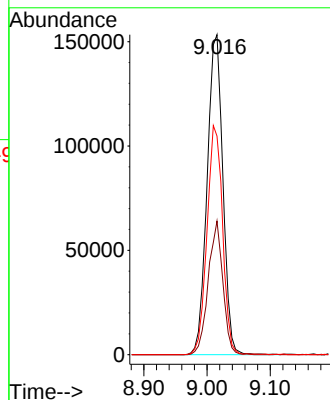
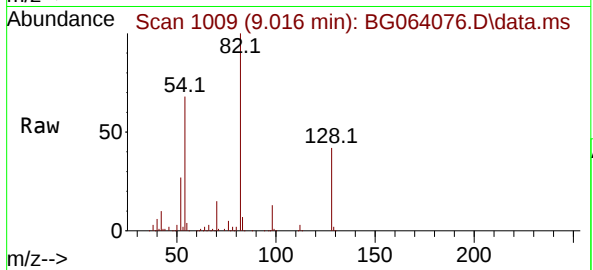
BNA_G

ClientSampleId :

PB167020TB

Tgt Ion: 82 Resp: 264974

Ion	Ratio	Lower	Upper
82	100		
128	41.8	30.0	45.0
54	68.3	54.7	82.1



#39

Acenaphthene-d10

Concen: 20.000 ng

RT: 14.486 min Scan# 1940

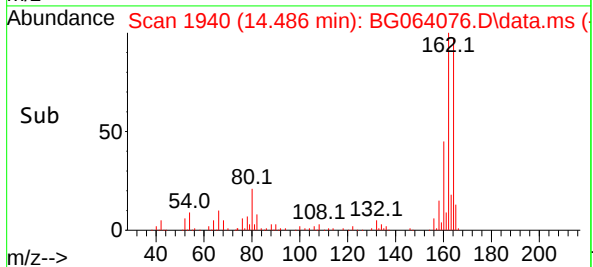
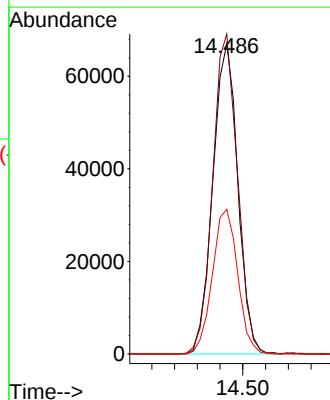
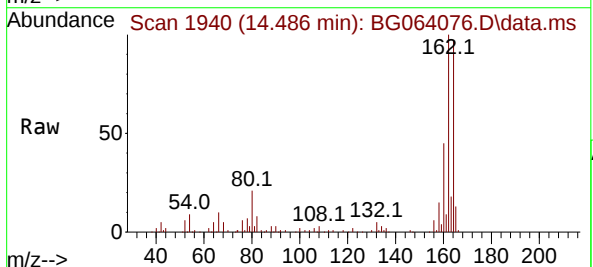
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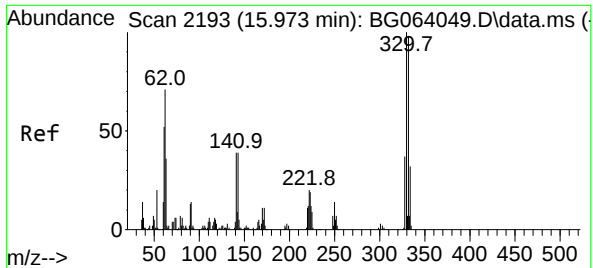
Lab File: BG064076.D

Acq: 10 Mar 2025 11:24

Tgt Ion: 164 Resp: 102383

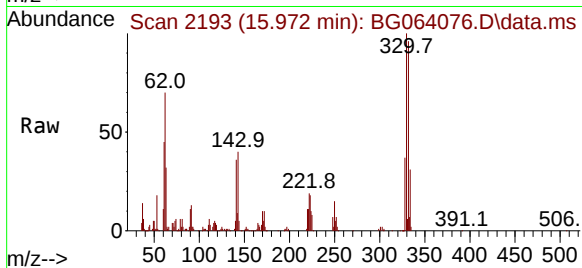
Ion	Ratio	Lower	Upper
164	100		
162	103.1	81.4	122.0
160	46.6	37.0	55.6



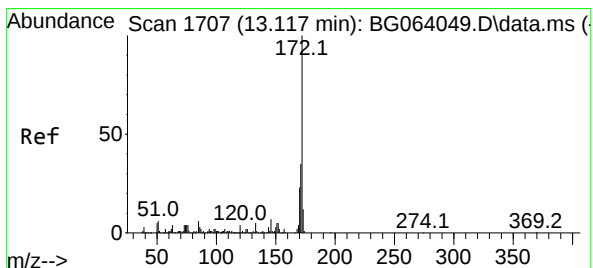
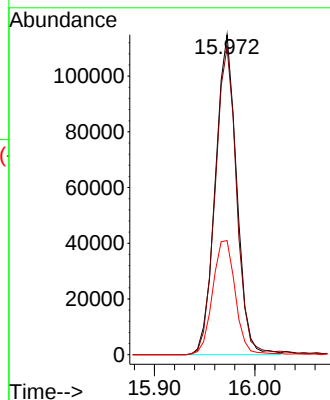
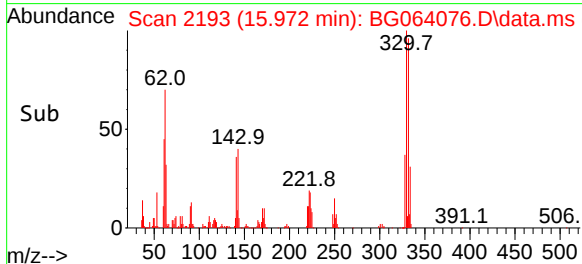


#42
2,4,6-Tribromophenol
Concen: 148.368 ng
RT: 15.972 min Scan# 2193
Delta R.T. -0.001 min
Lab File: BG064076.D
Acq: 10 Mar 2025 11:24

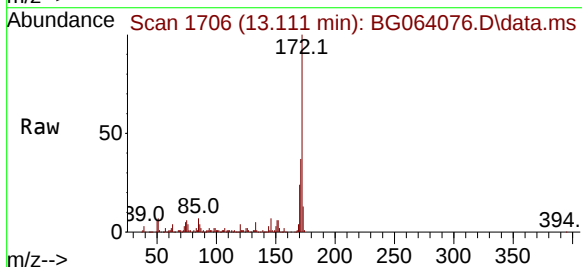
Instrument :
BNA_G
ClientSampleId :
PB167020TB



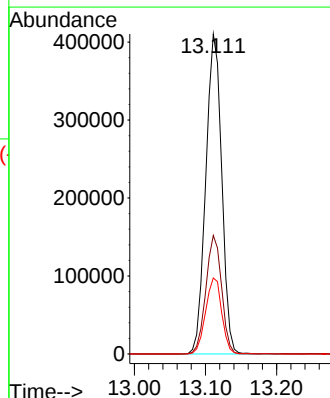
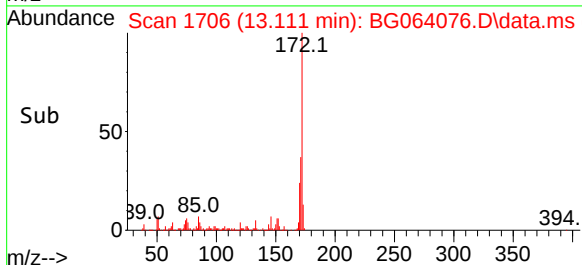
Tgt Ion:330 Resp: 168851
Ion Ratio Lower Upper
330 100
332 97.2 76.7 115.1
141 38.3 29.7 44.5

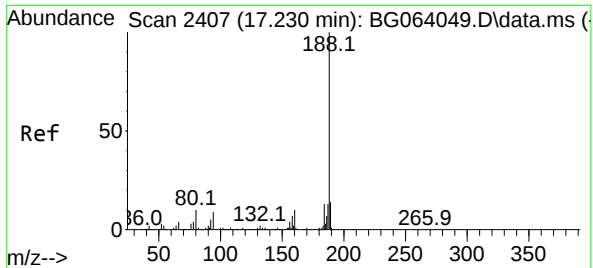


#45
2-Fluorobiphenyl
Concen: 94.896 ng
RT: 13.111 min Scan# 1706
Delta R.T. -0.006 min
Lab File: BG064076.D
Acq: 10 Mar 2025 11:24



Tgt Ion:172 Resp: 640087
Ion Ratio Lower Upper
172 100
171 37.0 28.0 42.0
170 23.7 18.7 28.1

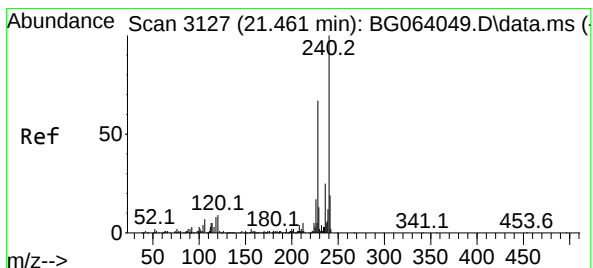
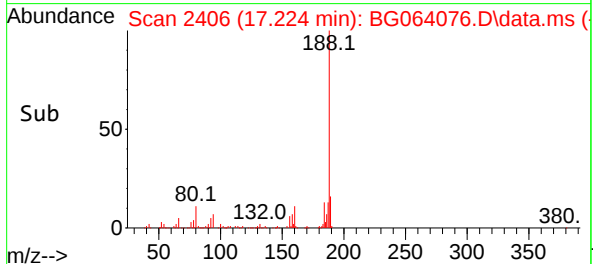
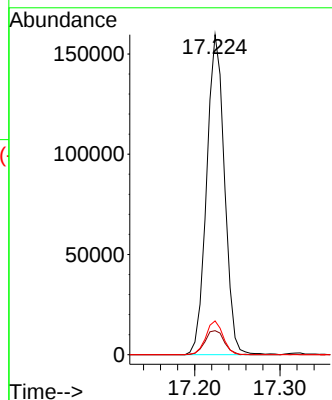
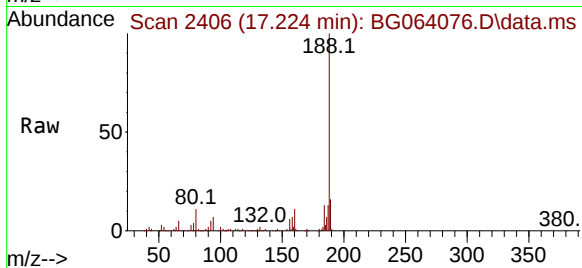




#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 17.224 min Scan# 2406
Delta R.T. -0.006 min
Lab File: BG064076.D
Acq: 10 Mar 2025 11:24

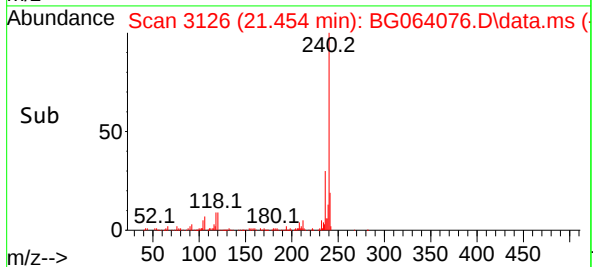
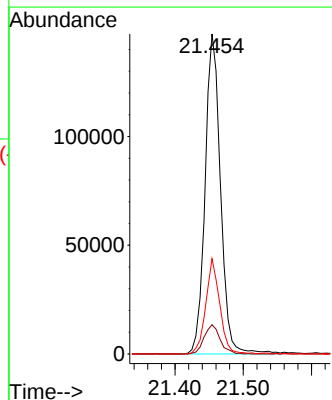
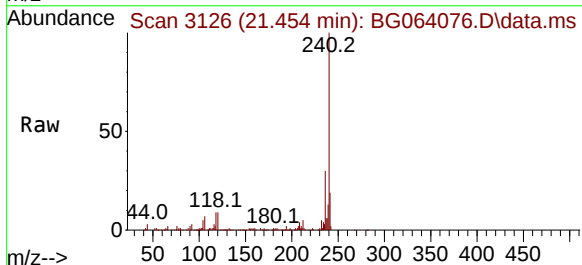
Instrument :
BNA_G
ClientSampleId :
PB167020TB

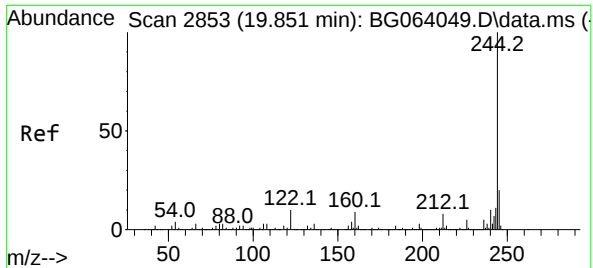
Tgt Ion:188 Resp: 231933
Ion Ratio Lower Upper
188 100
94 7.5 6.9 10.3
80 10.5 8.1 12.1



#76
Chrysene-d12
Concen: 20.000 ng
RT: 21.454 min Scan# 3126
Delta R.T. -0.006 min
Lab File: BG064076.D
Acq: 10 Mar 2025 11:24

Tgt Ion:240 Resp: 231627
Ion Ratio Lower Upper
240 100
120 9.1 7.2 10.8
236 29.7 20.2 30.2





#79

Terphenyl-d14

Concen: 102.267 ng

RT: 19.850 min Scan# 21

Delta R.T. -0.001 min

Lab File: BG064076.D

Acq: 10 Mar 2025 11:24

Instrument :

BNA_G

ClientSampleId :

PB167020TB

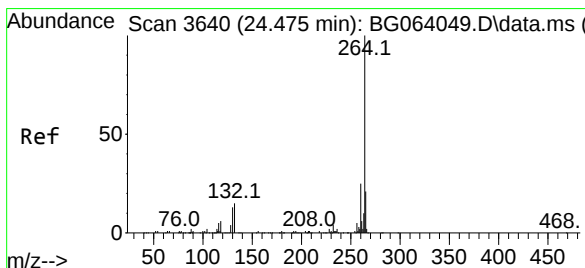
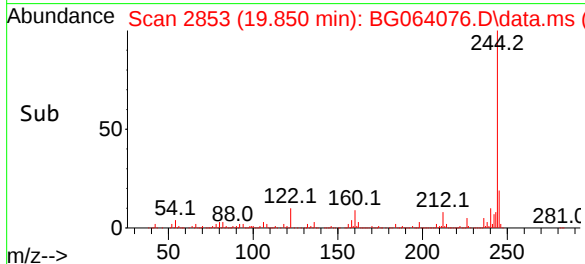
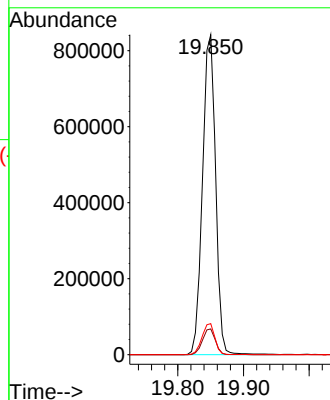
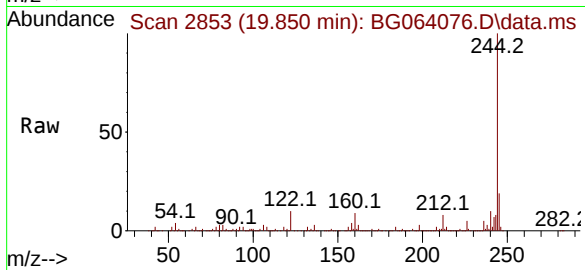
Tgt Ion:244 Resp: 1171504

Ion Ratio Lower Upper

244 100

212 8.0 6.2 9.4

122 9.7 8.0 12.0



#86

Perylene-d12

Concen: 20.000 ng

RT: 24.468 min Scan# 3639

Delta R.T. -0.006 min

Lab File: BG064076.D

Acq: 10 Mar 2025 11:24

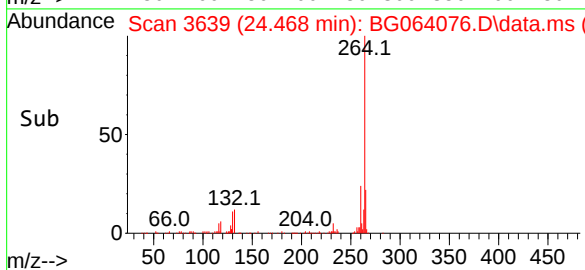
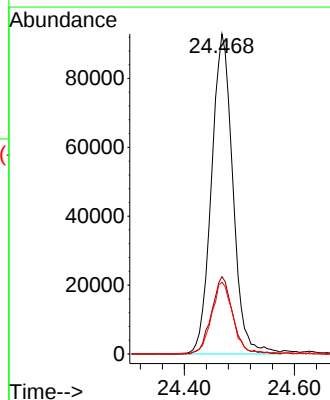
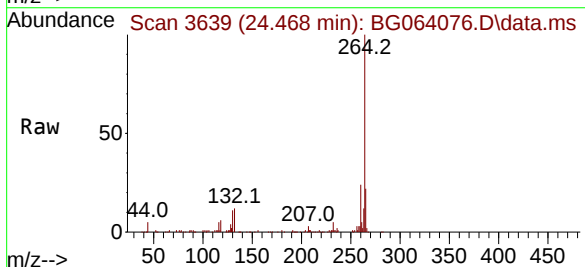
Tgt Ion:264 Resp: 250695

Ion Ratio Lower Upper

264 100

260 24.2 19.6 29.4

265 22.4 16.6 25.0



Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF030725\
Data File : BF141892.D
Acq On : 07 Mar 2025 18:01
Operator : RC/JU
Sample : Q1488-02
Misc :
ALS Vial : 12 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
ENV-101-SB01

A
B
C
D
E
F
G
H
I
J
K

Quant Time: Mar 07 21:45:09 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF022725.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Fri Feb 28 01:48:16 2025
Response via : Initial Calibration

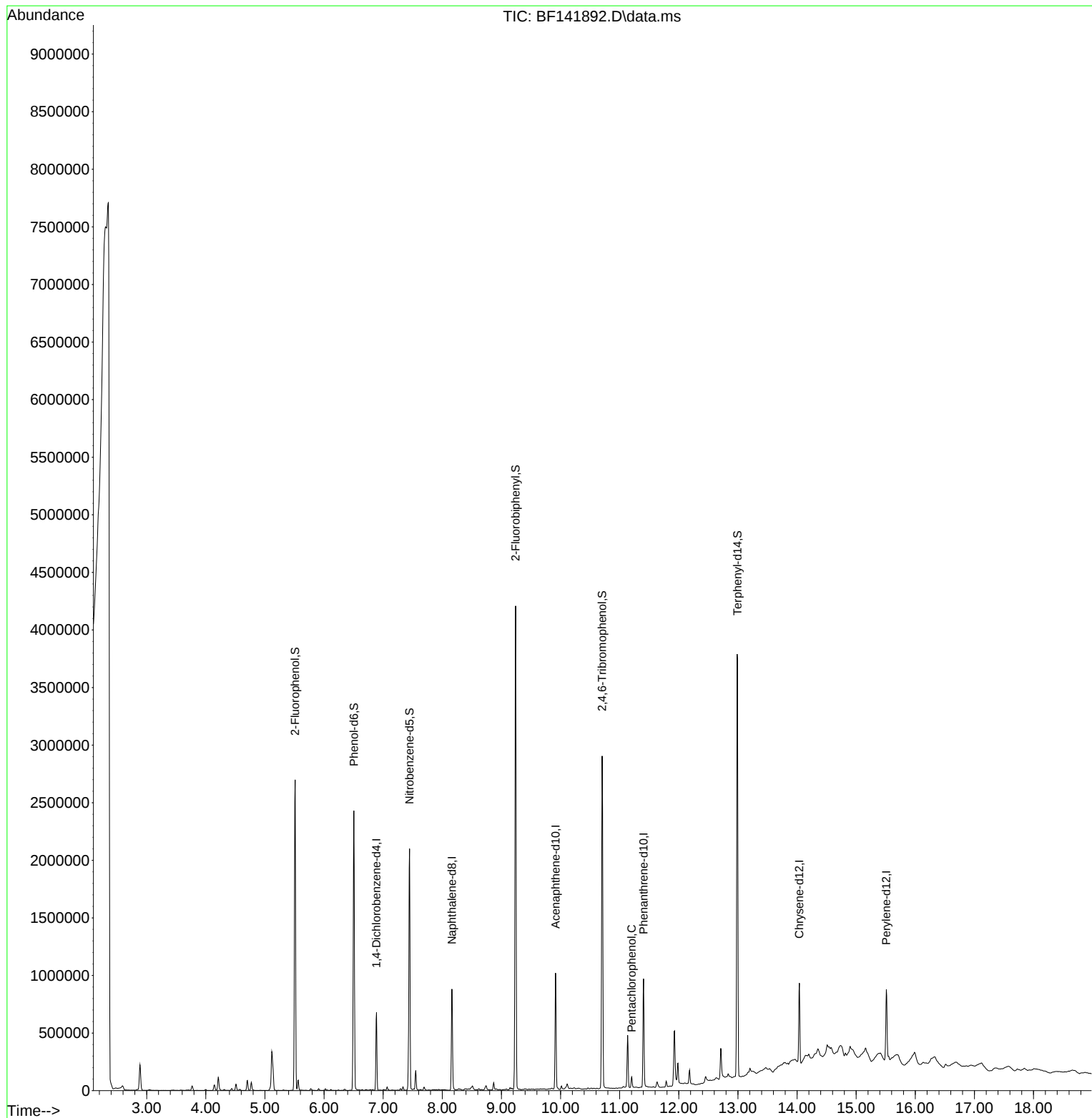
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) 1,4-Dichlorobenzene-d4	6.887	152	140140	20.000	ng	0.00
21) Naphthalene-d8	8.163	136	544005	20.000	ng	#-0.01
39) Acenaphthene-d10	9.916	164	296494	20.000	ng	-0.01
64) Phenanthrene-d10	11.404	188	468306	20.000	ng	# 0.00
76) Chrysene-d12	14.039	240	340144	20.000	ng	#-0.01
86) Perylene-d12	15.510	264	371112	20.000	ng	-0.01
System Monitoring Compounds						
5) 2-Fluorophenol	5.510	112	1051857	119.866	ng	0.01
7) Phenol-d6	6.504	99	1170047	102.440	ng	0.00
23) Nitrobenzene-d5	7.445	82	964644	113.345	ng	0.00
42) 2,4,6-Tribromophenol	10.704	330	517553	185.933	ng	-0.01
45) 2-Fluorobiphenyl	9.239	172	1845811	99.822	ng	0.00
79) Terphenyl-d14	12.992	244	1875451	89.207	ng	0.00
Target Compounds						Qvalue
70) Pentachlorophenol	11.204	266	15420	4.209	ng	97

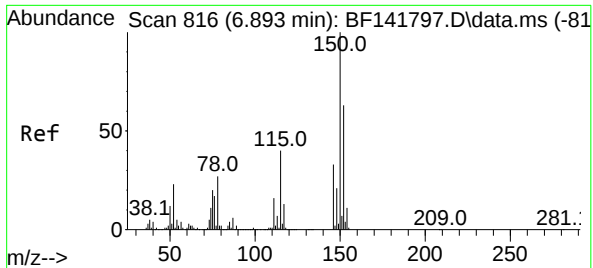
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF030725\
Data File : BF141892.D
Acq On : 07 Mar 2025 18:01
Operator : RC/JU
Sample : Q1488-02
Misc :
ALS Vial : 12 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
ENV-101-SB01

Quant Time: Mar 07 21:45:09 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF022725.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Fri Feb 28 01:48:16 2025
Response via : Initial Calibration

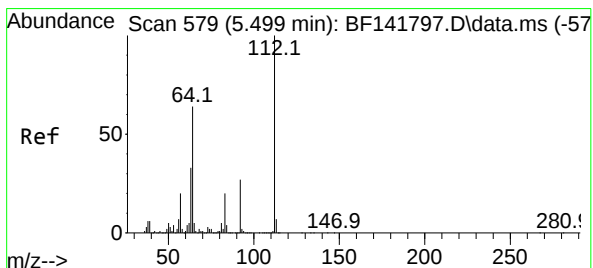
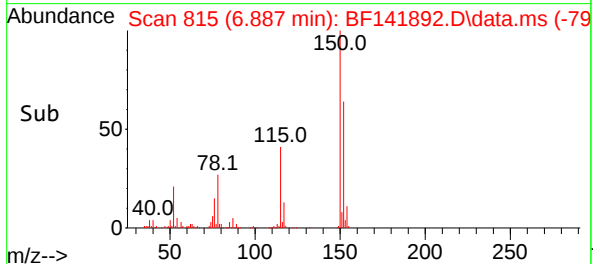
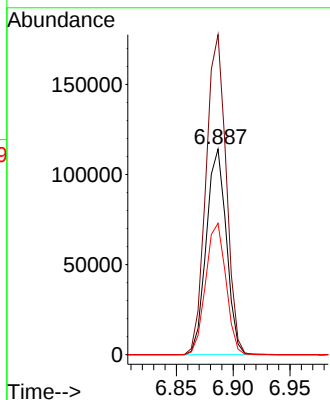
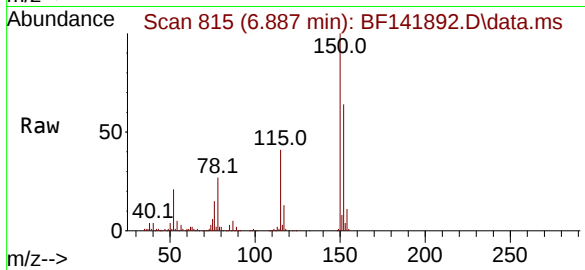




#1
 1,4-Dichlorobenzene-d4
 Concen: 20.000 ng
 RT: 6.887 min Scan# 816
 Delta R.T. -0.006 min
 Lab File: BF141892.D
 Acq: 07 Mar 2025 18:01

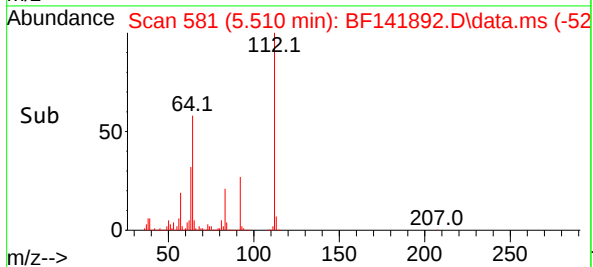
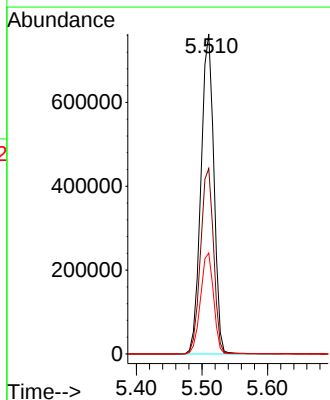
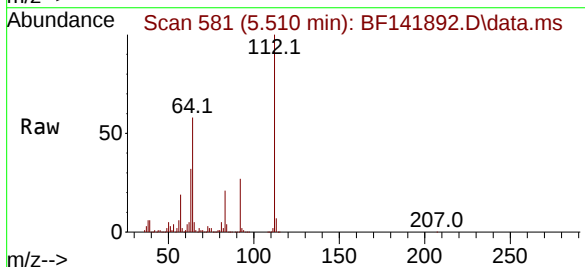
Instrument :
 BNA_F
 ClientSampleId :
 ENV-101-SB01

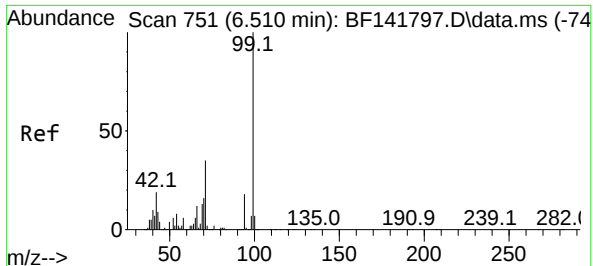
Tgt Ion:152 Resp: 140140
 Ion Ratio Lower Upper
 152 100
 150 155.6 127.5 191.3
 115 63.9 51.4 77.2



#5
 2-Fluorophenol
 Concen: 119.866 ng
 RT: 5.510 min Scan# 581
 Delta R.T. 0.012 min
 Lab File: BF141892.D
 Acq: 07 Mar 2025 18:01

Tgt Ion:112 Resp: 1051857
 Ion Ratio Lower Upper
 112 100
 64 58.0 51.3 76.9
 63 31.5 26.2 39.4

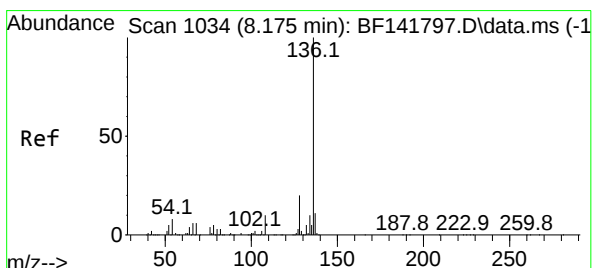
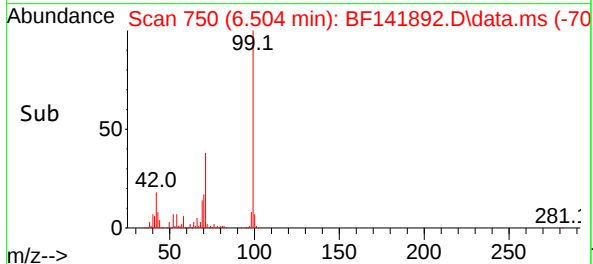
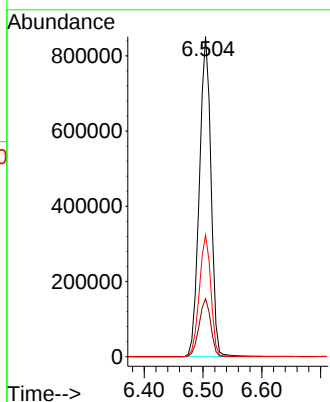
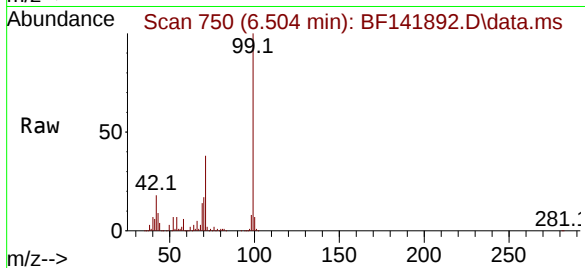




#7
Phenol-d6
Concen: 102.440 ng
RT: 6.504 min Scan# 71
Delta R.T. -0.006 min
Lab File: BF141892.D
Acq: 07 Mar 2025 18:01

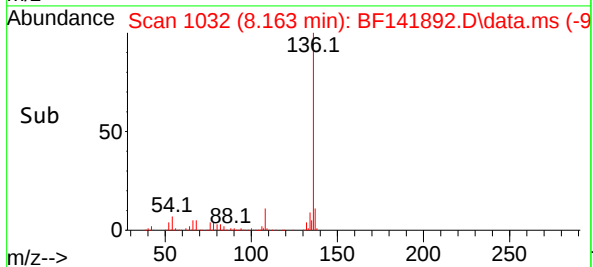
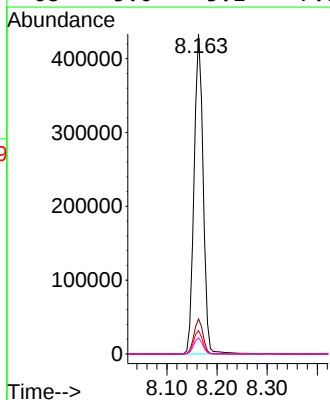
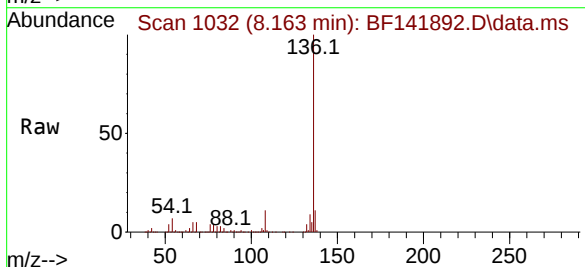
Instrument :
BNA_F
ClientSampleId :
ENV-101-SB01

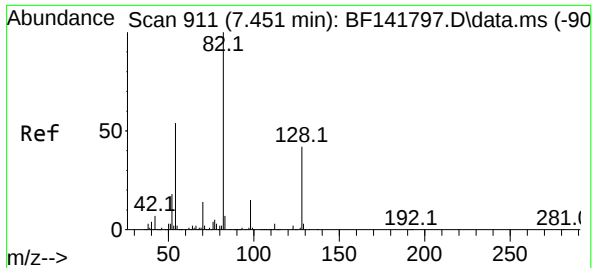
Tgt Ion: 99 Resp: 1170047
Ion Ratio Lower Upper
99 100
42 18.1 15.2 22.8
71 38.0 28.2 42.2



#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.163 min Scan# 1032
Delta R.T. -0.012 min
Lab File: BF141892.D
Acq: 07 Mar 2025 18:01

Tgt Ion:136 Resp: 544005
Ion Ratio Lower Upper
136 100
137 10.9 8.9 13.3
54 7.3 6.9 10.3
68 5.0 5.1 7.7#





#23

Nitrobenzene-d5

Concen: 113.345 ng

RT: 7.445 min Scan# 911

Delta R.T. -0.006 min

Lab File: BF141892.D

Acq: 07 Mar 2025 18:01

Instrument :

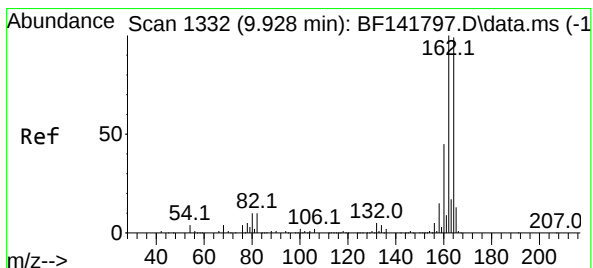
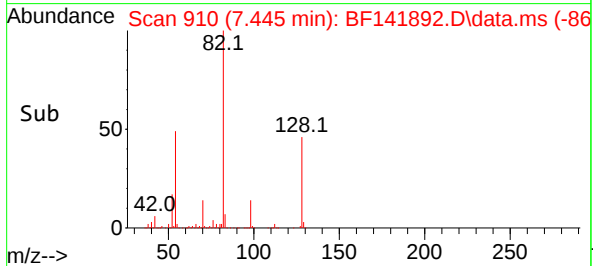
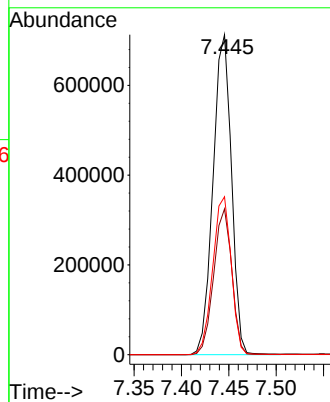
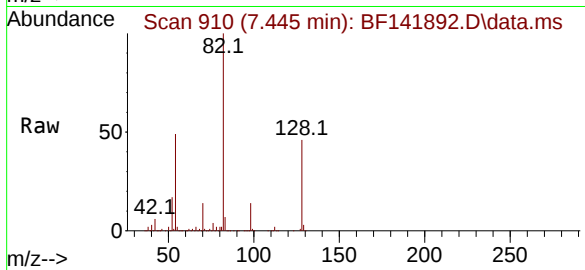
BNA_F

ClientSampleId :

ENV-101-SB01

Tgt Ion: 82 Resp: 964644

Ion	Ratio	Lower	Upper
82	100		
128	45.5	33.5	50.3
54	49.3	42.7	64.1



#39

Acenaphthene-d10

Concen: 20.000 ng

RT: 9.916 min Scan# 1330

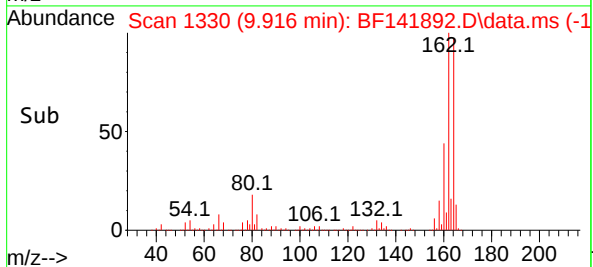
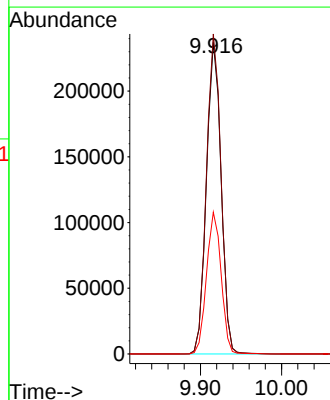
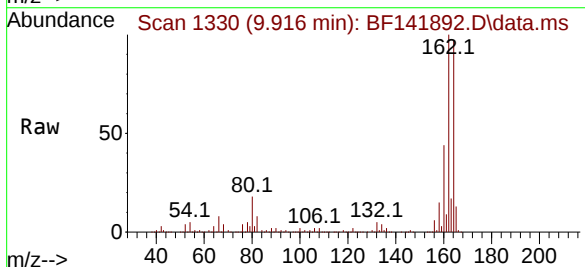
Delta R.T. -0.012 min

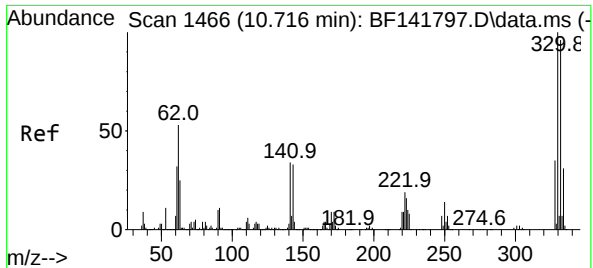
Lab File: BF141892.D

Acq: 07 Mar 2025 18:01

Tgt Ion: 164 Resp: 296494

Ion	Ratio	Lower	Upper
164	100		
162	102.7	80.6	120.8
160	45.5	36.3	54.5





#42

2,4,6-Tribromophenol

Concen: 185.933 ng

RT: 10.704 min Scan# 1464

Delta R.T. -0.012 min

Lab File: BF141892.D

Acq: 07 Mar 2025 18:01

Instrument :

BNA_F

ClientSampleId :

ENV-101-SB01

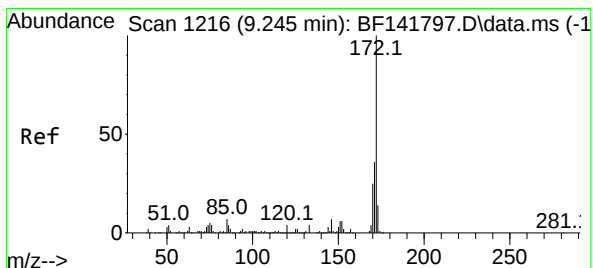
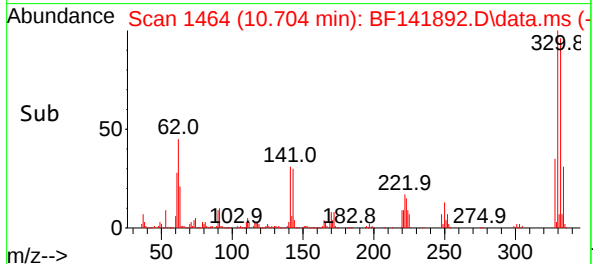
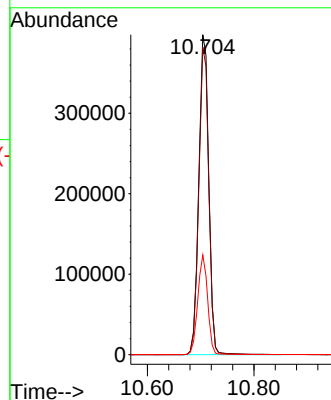
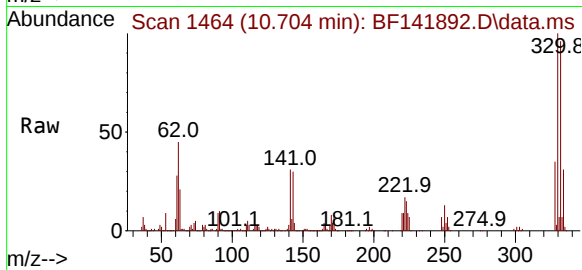
Tgt Ion:330 Resp: 517553

Ion Ratio Lower Upper

330 100

332 96.2 76.6 115.0

141 30.8 29.0 43.4



#45

2-Fluorobiphenyl

Concen: 99.822 ng

RT: 9.239 min Scan# 1215

Delta R.T. -0.006 min

Lab File: BF141892.D

Acq: 07 Mar 2025 18:01

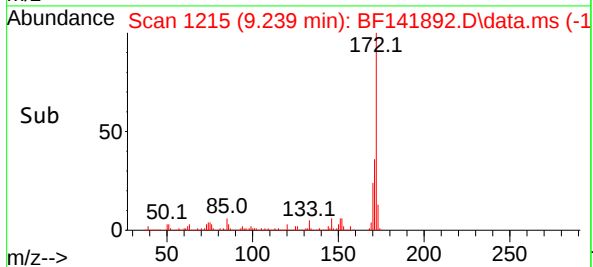
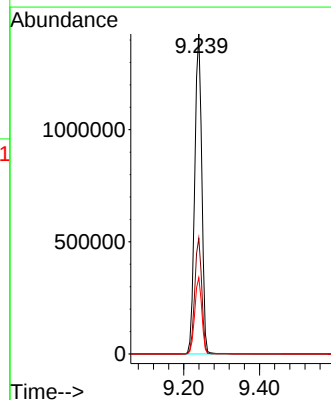
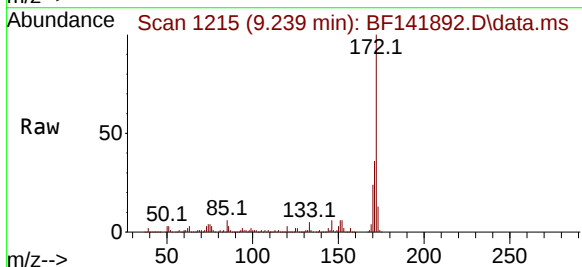
Tgt Ion:172 Resp: 1845811

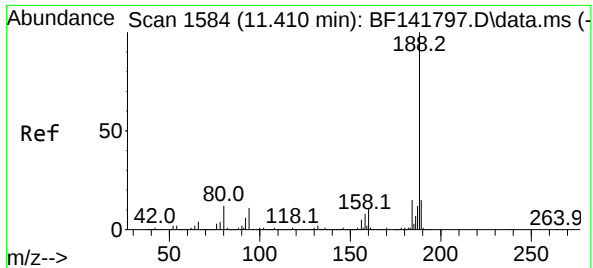
Ion Ratio Lower Upper

172 100

171 36.2 29.2 43.8

170 23.8 19.7 29.5





#64

Phenanthrene-d10

Concen: 20.000 ng

RT: 11.404 min Scan# 11

Delta R.T. -0.006 min

Lab File: BF141892.D

Acq: 07 Mar 2025 18:01

Instrument :

BNA_F

ClientSampleId :

ENV-101-SB01

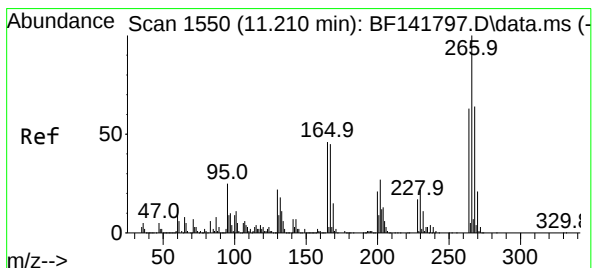
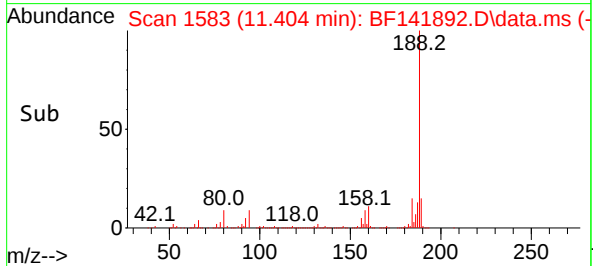
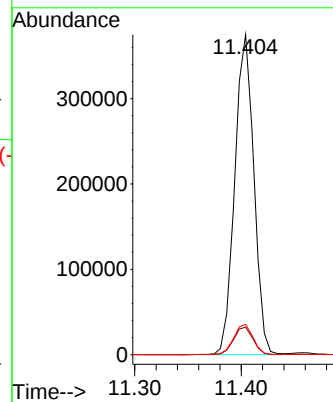
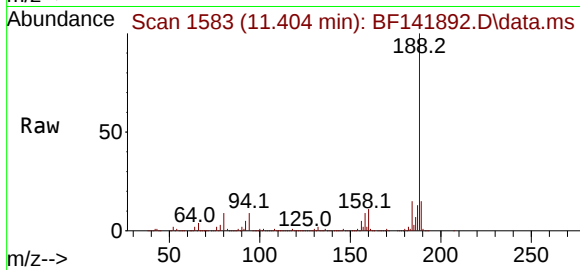
Tgt Ion:188 Resp: 468306

Ion Ratio Lower Upper

188 100

94 8.6 8.9 13.3#

80 9.4 9.7 14.5#



#70

Pentachlorophenol

Concen: 4.209 ng

RT: 11.204 min Scan# 1549

Delta R.T. -0.006 min

Lab File: BF141892.D

Acq: 07 Mar 2025 18:01

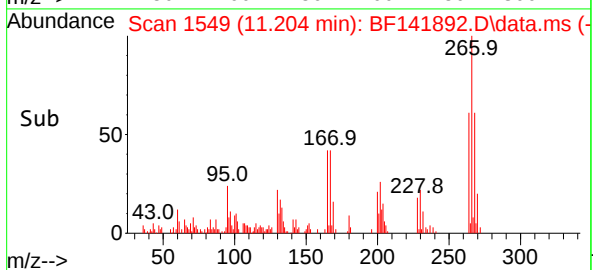
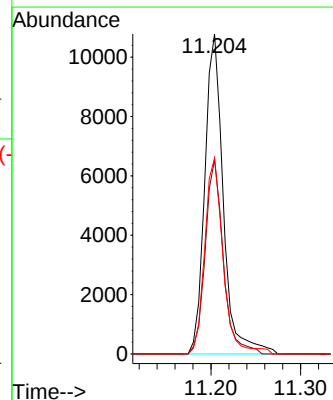
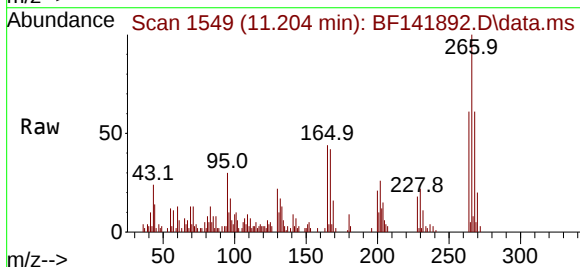
Tgt Ion:266 Resp: 15420

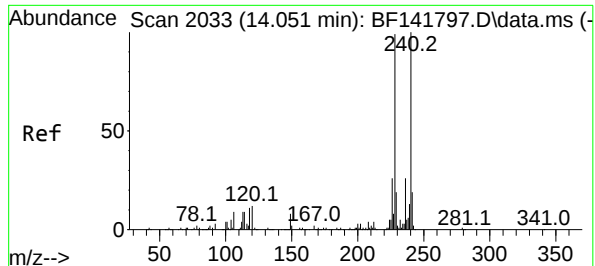
Ion Ratio Lower Upper

266 100

268 60.8 50.9 76.3

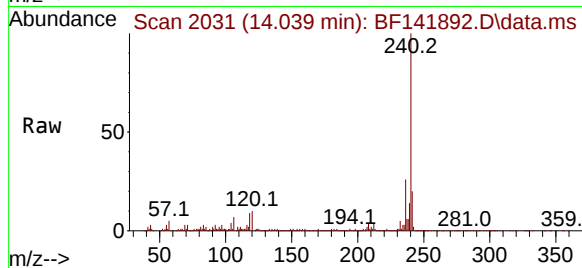
264 61.3 50.2 75.4



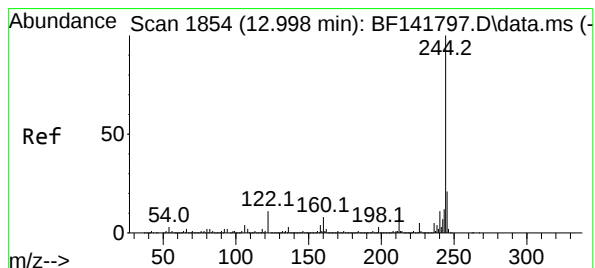
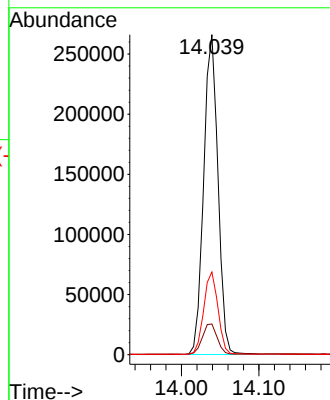
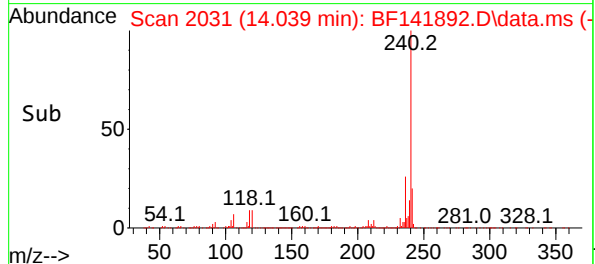


#76
Chrysene-d12
Concen: 20.000 ng
RT: 14.039 min Scan# 2031
Delta R.T. -0.012 min
Lab File: BF141892.D
Acq: 07 Mar 2025 18:01

Instrument :
BNA_F
ClientSampleId :
ENV-101-SB01

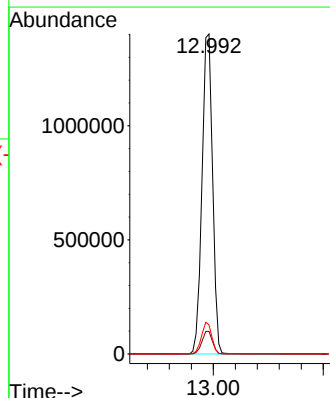
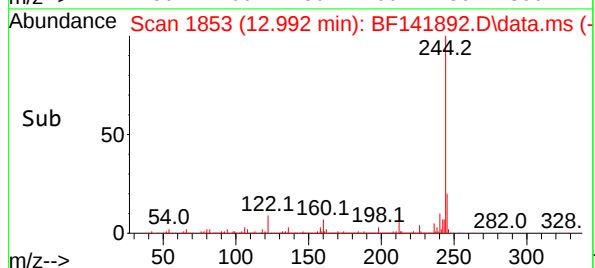
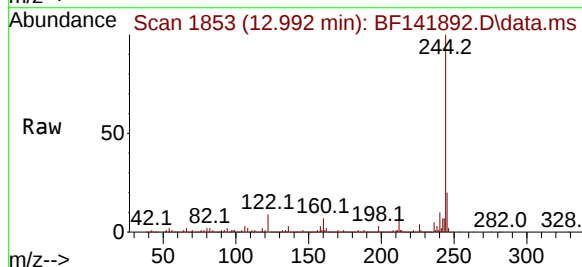


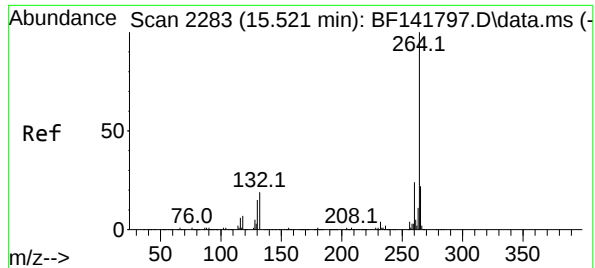
Tgt Ion:240 Resp: 340144
Ion Ratio Lower Upper
240 100
120 9.6 9.7 14.5#
236 25.9 21.0 31.4



#79
Terphenyl-d14
Concen: 89.207 ng
RT: 12.992 min Scan# 1853
Delta R.T. -0.006 min
Lab File: BF141892.D
Acq: 07 Mar 2025 18:01

Tgt Ion:244 Resp: 1875451
Ion Ratio Lower Upper
244 100
212 7.0 6.0 9.0
122 9.1 9.0 13.6





#86

Perylene-d12

Concen: 20.000 ng

RT: 15.510 min Scan# 21

Delta R.T. -0.012 min

Lab File: BF141892.D

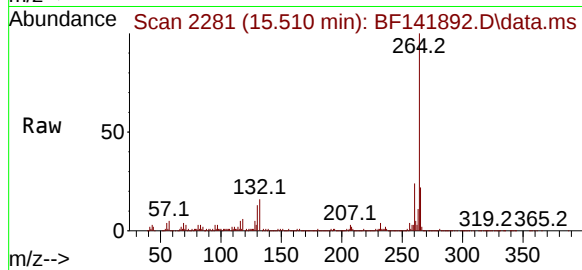
Acq: 07 Mar 2025 18:01

Instrument :

BNA_F

ClientSampleId :

ENV-101-SB01



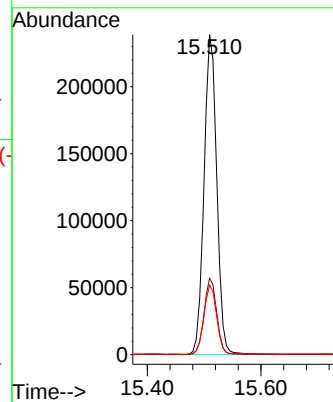
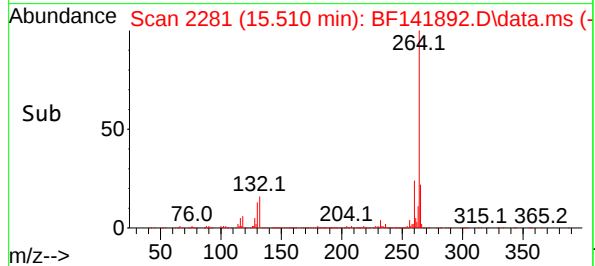
Tgt Ion:264 Resp: 371112

Ion Ratio Lower Upper

264 100

260 23.9 18.9 28.3

265 21.7 17.4 26.0



Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG031025\
Data File : BG064077.D
Acq On : 10 Mar 2025 12:22
Operator : RC/JU
Sample : Q1488-04
Misc :
ALS Vial : 6 Sample Multiplier: 1

Instrument :
BNA_G
ClientSampleId :
ENV-101-SB02

Quant Time: Mar 10 14:01:03 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_G\Methods\8270-BG030525.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Wed Mar 05 15:39:19 2025
Response via : Initial Calibration

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

Internal Standards						
1) 1,4-Dichlorobenzene-d4	7.865	152	37069	20.000	ng	0.00
21) Naphthalene-d8	10.650	136	149931	20.000	ng	0.00
39) Acenaphthene-d10	14.487	164	95174	20.000	ng	0.00
64) Phenanthrene-d10	17.224	188	219929	20.000	ng	0.00
76) Chrysene-d12	21.455	240	243609	20.000	ng	0.00
86) Perylene-d12	24.475	264	255654	20.000	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.456	112	315892	133.062	ng	0.00
7) Phenol-d6	7.031	99	370340	114.671	ng	0.00
23) Nitrobenzene-d5	9.016	82	289407	106.670	ng	0.00
42) 2,4,6-Tribromophenol	15.973	330	180035	170.177	ng	0.00
45) 2-Fluorobiphenyl	13.112	172	593715	94.689	ng	0.00
79) Terphenyl-d14	19.851	244	1204312	99.960	ng	0.00

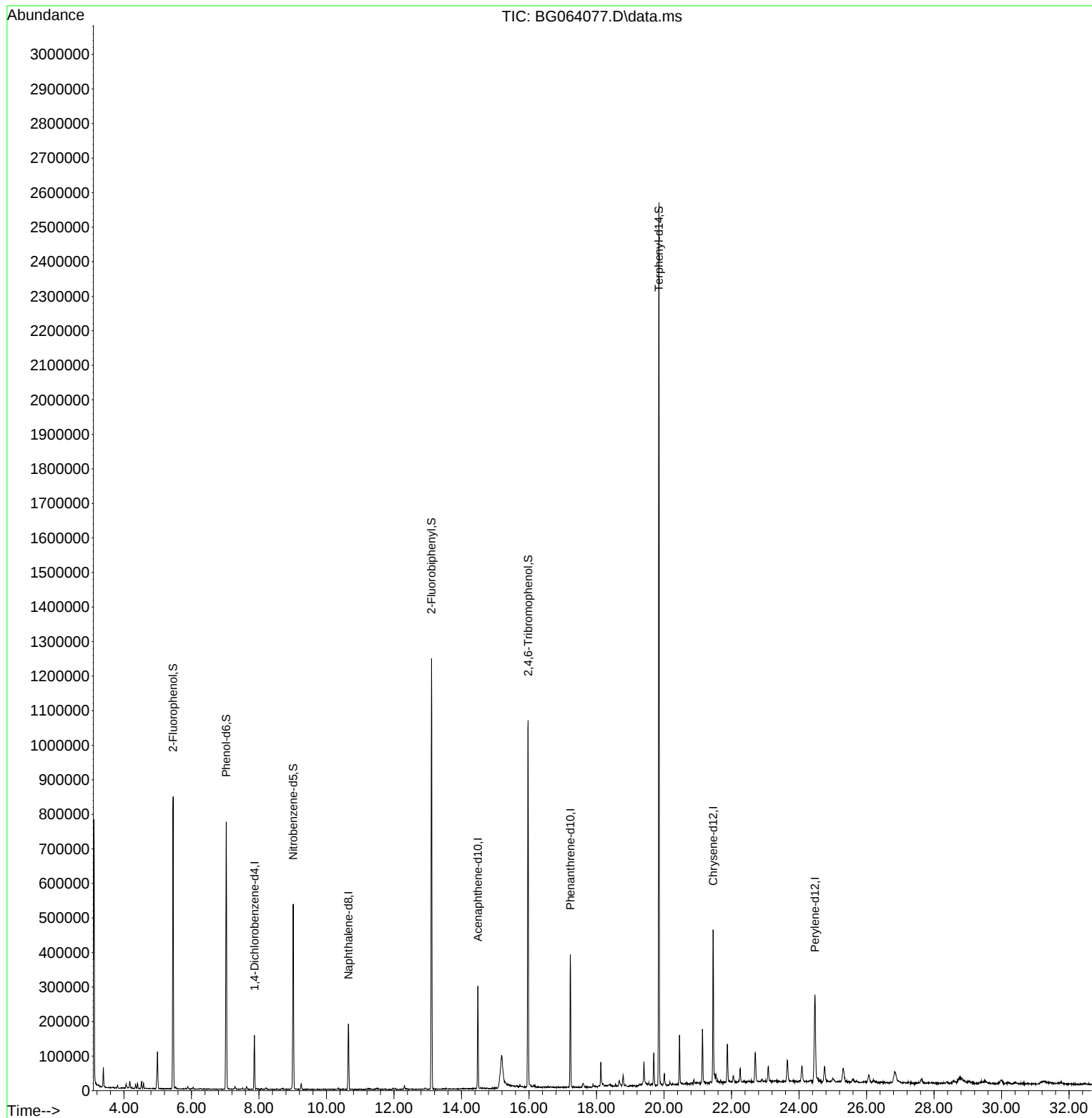
Target Compounds	Qvalue

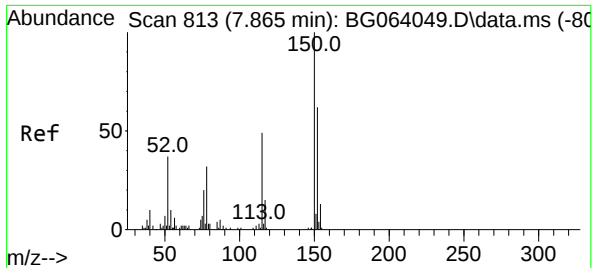
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG031025\
Data File : BG064077.D
Acq On : 10 Mar 2025 12:22
Operator : RC/JU
Sample : Q1488-04
Misc :
ALS Vial : 6 Sample Multiplier: 1

Instrument :
BNA_G
ClientSampleId :
ENV-101-SB02

Quant Time: Mar 10 14:01:03 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_G\Methods\8270-BG030525.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Wed Mar 05 15:39:19 2025
Response via : Initial Calibration

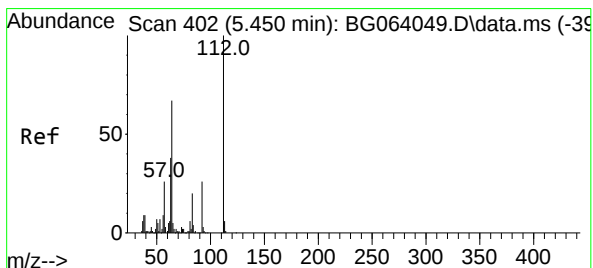
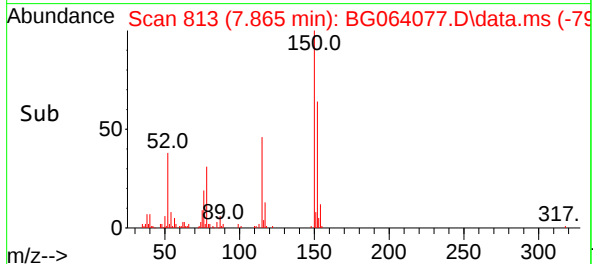
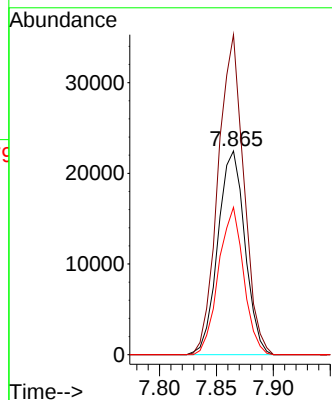
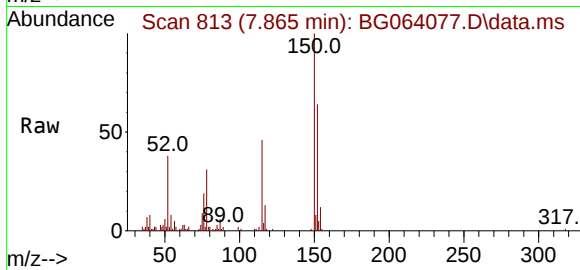




#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 7.865 min Scan# 81
Delta R.T. -0.000 min
Lab File: BG064077.D
Acq: 10 Mar 2025 12:22

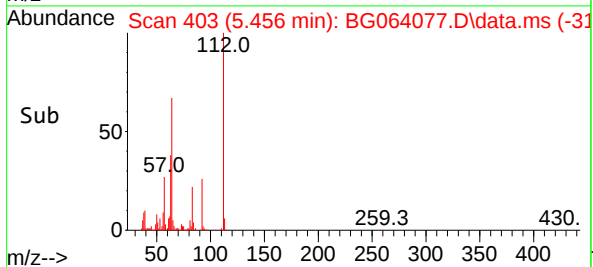
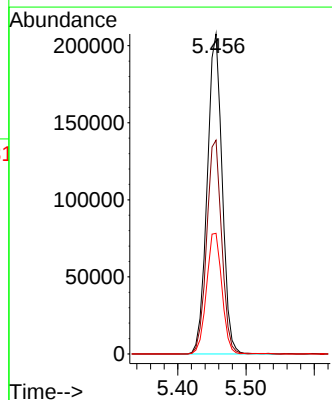
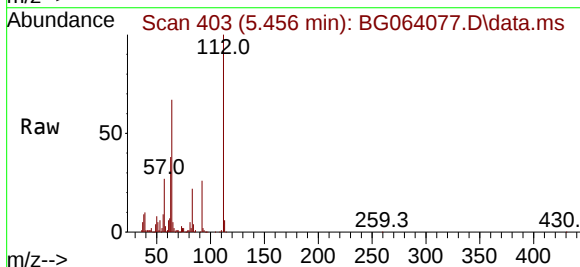
Instrument :
BNA_G
ClientSampleId :
ENV-101-SB02

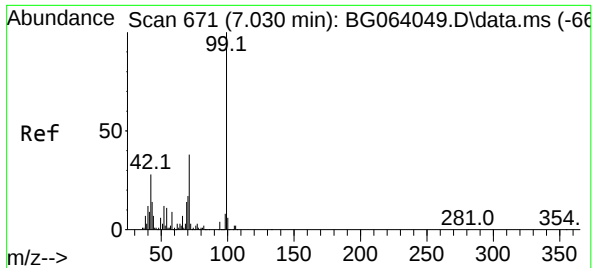
Tgt Ion	Ratio	Lower	Upper
152	100		
150	157.1	129.2	193.8
115	72.3	63.0	94.6



#5
2-Fluorophenol
Concen: 133.062 ng
RT: 5.456 min Scan# 403
Delta R.T. 0.006 min
Lab File: BG064077.D
Acq: 10 Mar 2025 12:22

Tgt Ion	Ratio	Lower	Upper
112	100		
64	66.8	53.7	80.5
63	37.7	30.2	45.4

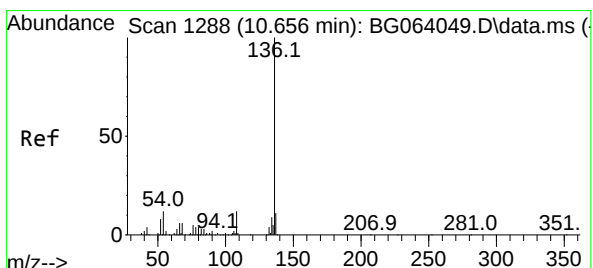
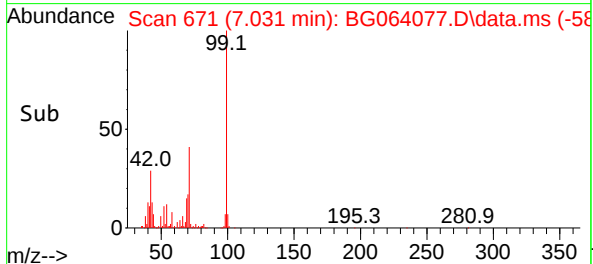
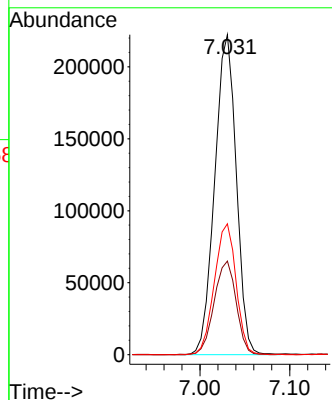
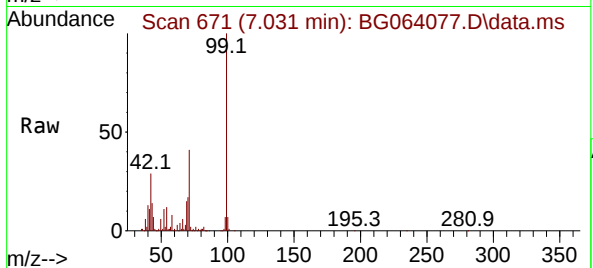




#7
Phenol-d6
Concen: 114.671 ng
RT: 7.031 min Scan# 61
Delta R.T. 0.000 min
Lab File: BG064077.D
Acq: 10 Mar 2025 12:22

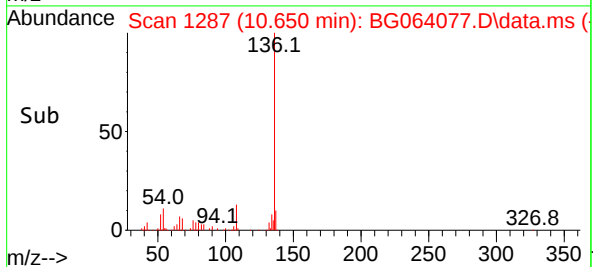
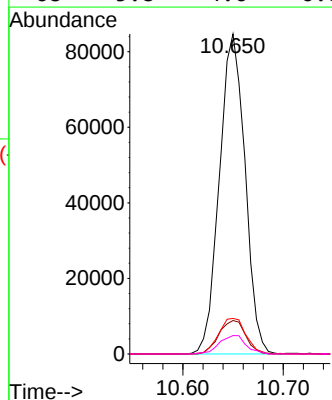
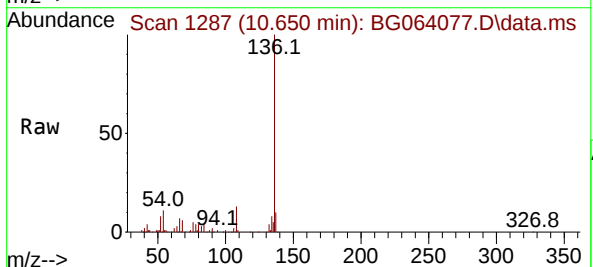
Instrument :
BNA_G
ClientSampleId :
ENV-101-SB02

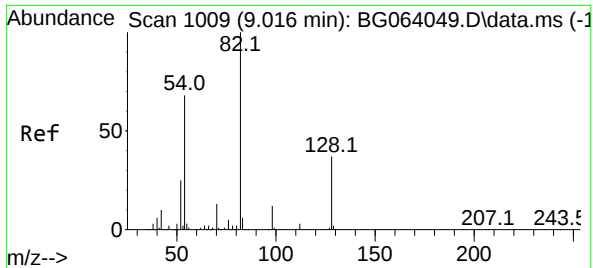
Tgt Ion: 99 Resp: 370340
Ion Ratio Lower Upper
99 100
42 29.2 22.7 34.1
71 40.9 30.6 46.0



#21
Naphthalene-d8
Concen: 20.000 ng
RT: 10.650 min Scan# 1287
Delta R.T. -0.006 min
Lab File: BG064077.D
Acq: 10 Mar 2025 12:22

Tgt Ion: 136 Resp: 149931
Ion Ratio Lower Upper
136 100
137 10.5 8.5 12.7
54 11.1 9.9 14.9
68 5.8 4.6 6.8





#23

Nitrobenzene-d5

Concen: 106.670 ng

RT: 9.016 min Scan# 1009

Delta R.T. 0.000 min

Lab File: BG064077.D

Acq: 10 Mar 2025 12:22

Instrument :

BNA_G

ClientSampleId :

ENV-101-SB02

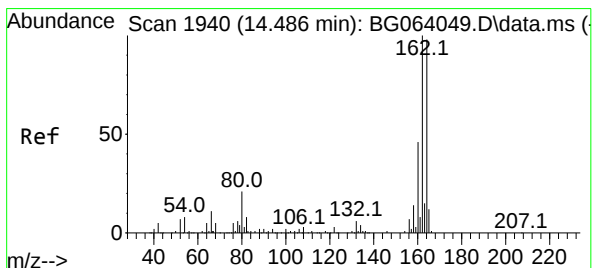
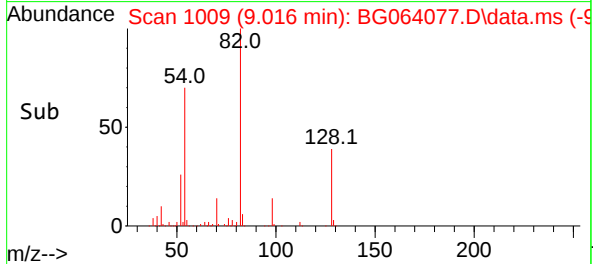
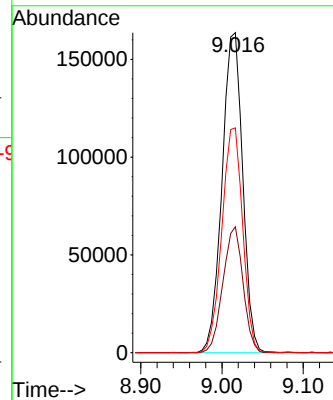
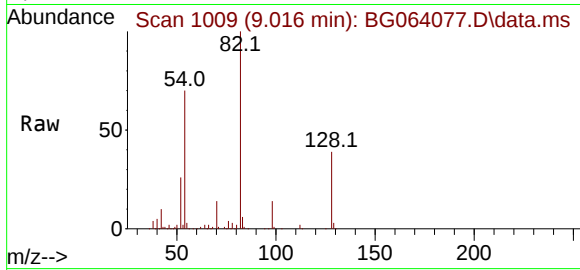
Tgt Ion: 82 Resp: 289407

Ion Ratio Lower Upper

82 100

128 39.4 30.0 45.0

54 70.2 54.7 82.1



#39

Acenaphthene-d10

Concen: 20.000 ng

RT: 14.487 min Scan# 1940

Delta R.T. 0.001 min

Lab File: BG064077.D

Acq: 10 Mar 2025 12:22

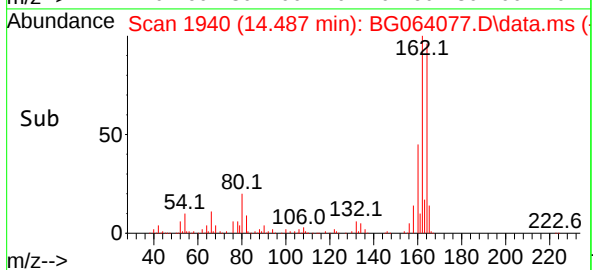
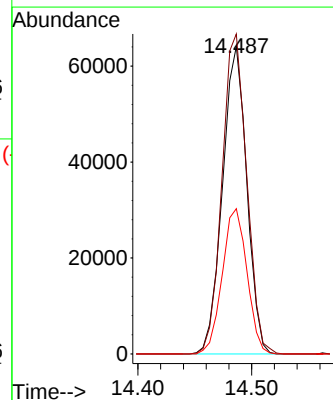
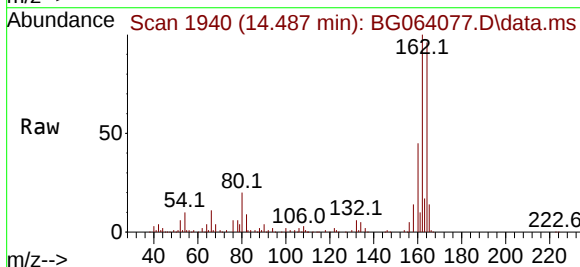
Tgt Ion: 164 Resp: 95174

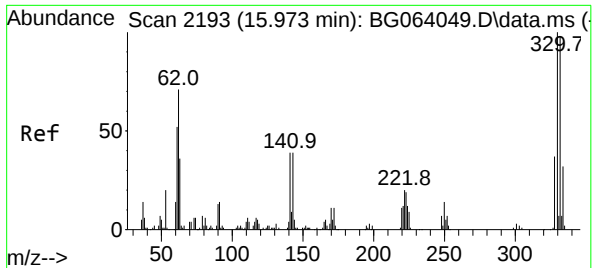
Ion Ratio Lower Upper

164 100

162 104.1 81.4 122.0

160 47.3 37.0 55.6

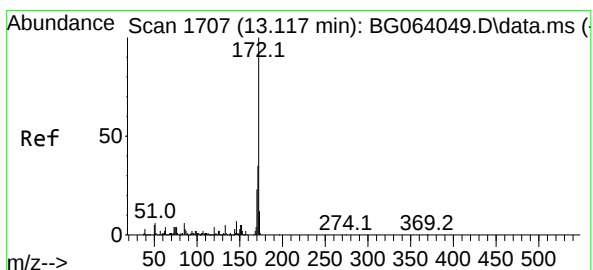
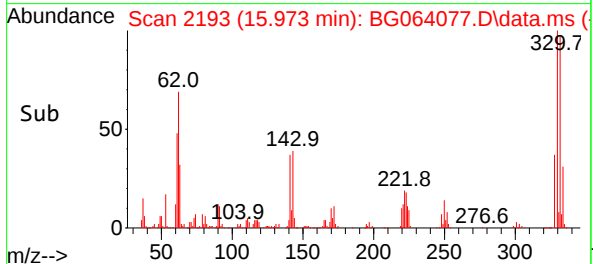
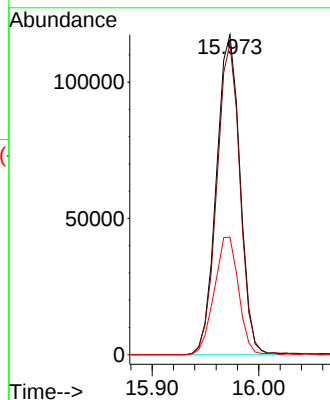
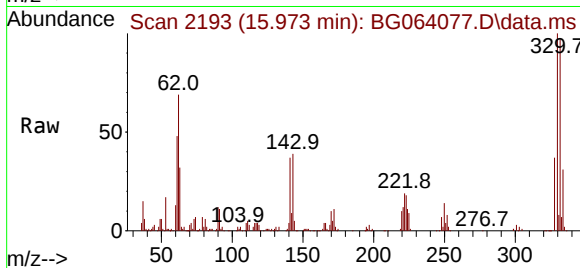




#42
2,4,6-Tribromophenol
Concen: 170.177 ng
RT: 15.973 min Scan# 2193
Delta R.T. 0.000 min
Lab File: BG064077.D
Acq: 10 Mar 2025 12:22

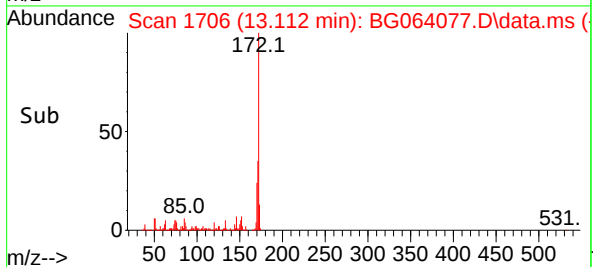
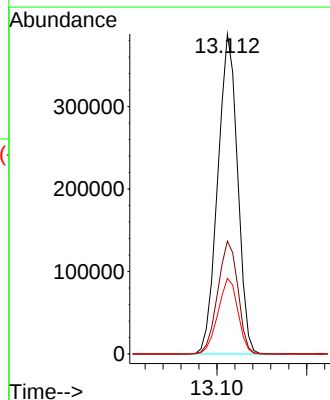
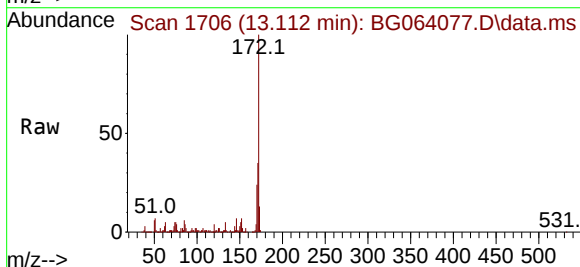
Instrument :
BNA_G
ClientSampleId :
ENV-101-SB02

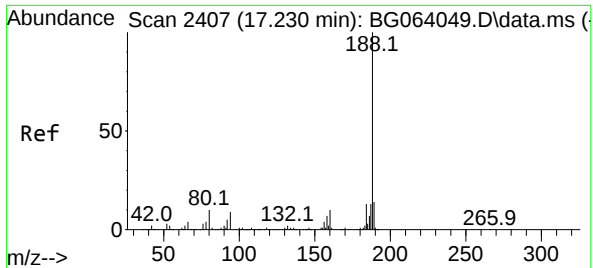
Tgt Ion	330	Resp	180035
Ion Ratio	Lower	Upper	
330	100		
332	95.8	76.7	115.1
141	38.0	29.7	44.5



#45
2-Fluorobiphenyl
Concen: 94.689 ng
RT: 13.112 min Scan# 1706
Delta R.T. -0.006 min
Lab File: BG064077.D
Acq: 10 Mar 2025 12:22

Tgt Ion	172	Resp	593715
Ion Ratio	Lower	Upper	
172	100		
171	35.2	28.0	42.0
170	23.7	18.7	28.1

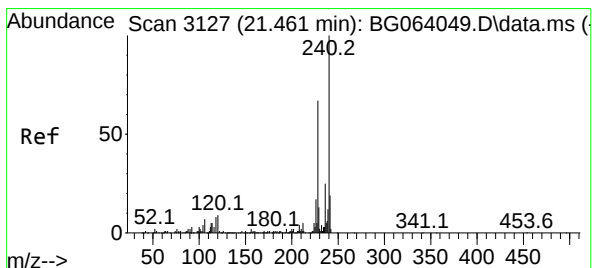
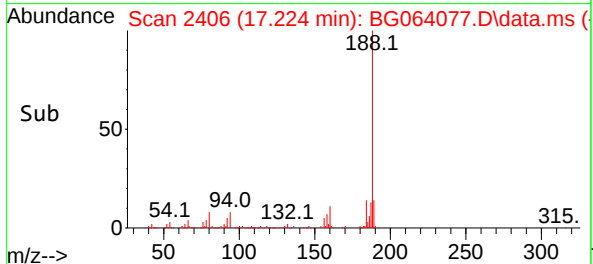
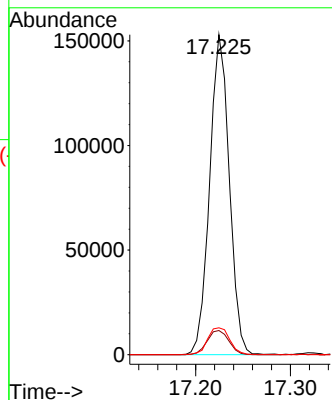
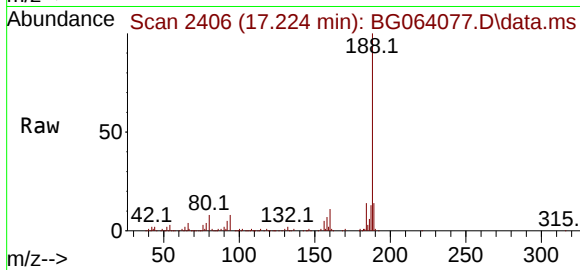




#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 17.224 min Scan# 2406
Delta R.T. -0.006 min
Lab File: BG064077.D
Acq: 10 Mar 2025 12:22

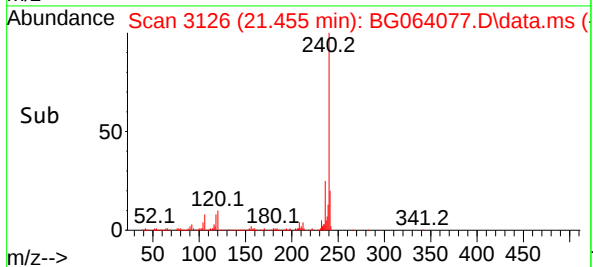
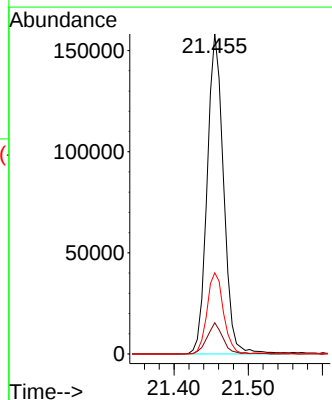
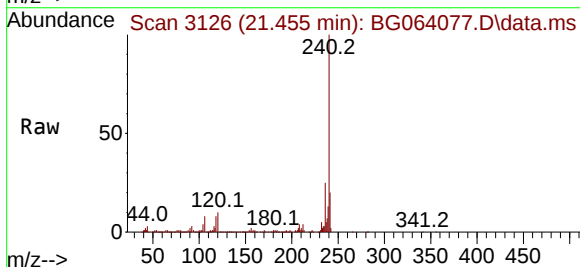
Instrument :
BNA_G
ClientSampleId :
ENV-101-SB02

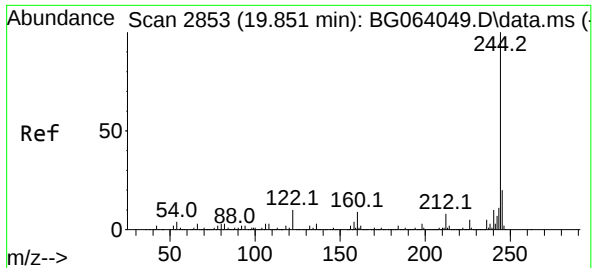
Tgt Ion:188 Resp: 219929
Ion Ratio Lower Upper
188 100
94 7.5 6.9 10.3
80 8.4 8.1 12.1



#76
Chrysene-d12
Concen: 20.000 ng
RT: 21.455 min Scan# 3126
Delta R.T. -0.006 min
Lab File: BG064077.D
Acq: 10 Mar 2025 12:22

Tgt Ion:240 Resp: 243609
Ion Ratio Lower Upper
240 100
120 9.7 7.2 10.8
236 25.3 20.2 30.2

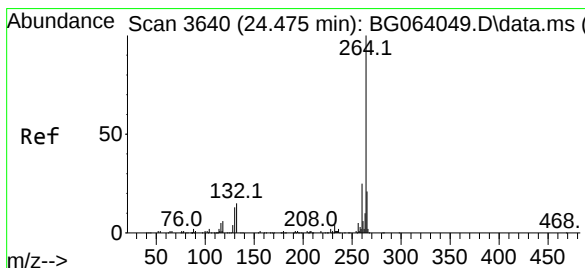
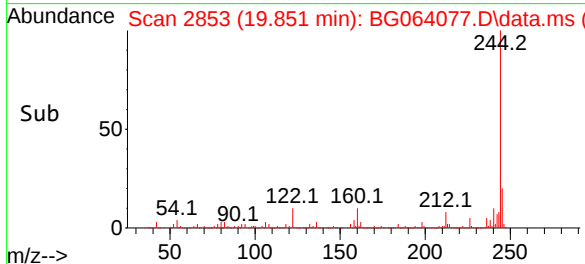
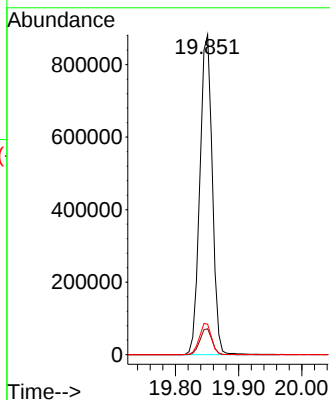
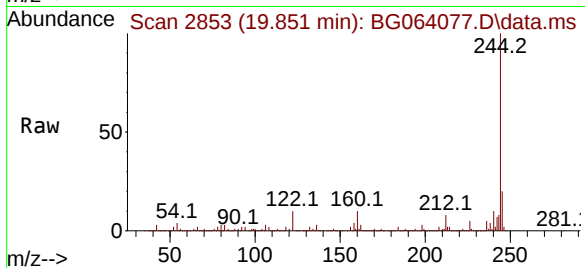




#79
 Terphenyl-d14
 Concen: 99.960 ng
 RT: 19.851 min Scan# 21
 Delta R.T. 0.000 min
 Lab File: BG064077.D
 Acq: 10 Mar 2025 12:22

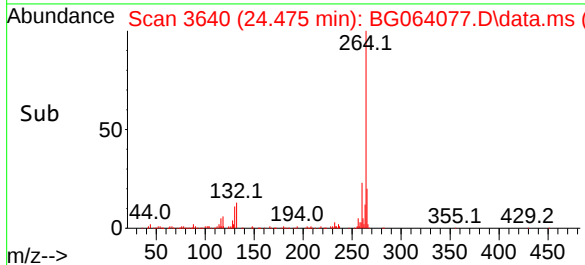
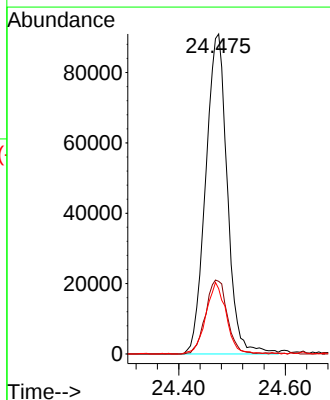
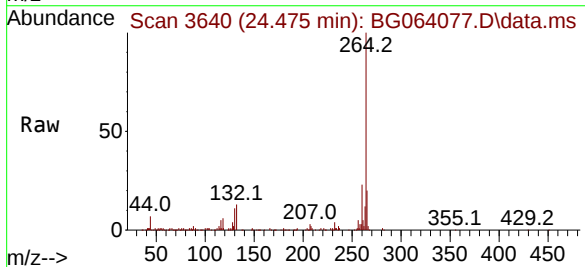
Instrument :
 BNA_G
 ClientSampleId :
 ENV-101-SB02

Tgt Ion:244 Resp: 1204312
 Ion Ratio Lower Upper
 244 100
 212 8.1 6.2 9.4
 122 9.5 8.0 12.0



#86
 Perylene-d12
 Concen: 20.000 ng
 RT: 24.475 min Scan# 3640
 Delta R.T. 0.000 min
 Lab File: BG064077.D
 Acq: 10 Mar 2025 12:22

Tgt Ion:264 Resp: 255654
 Ion Ratio Lower Upper
 264 100
 260 22.7 19.6 29.4
 265 20.4 16.6 25.0



Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG031025\
Data File : BG064078.D
Acq On : 10 Mar 2025 13:03
Operator : RC/JU
Sample : Q1488-06
Misc :
ALS Vial : 7 Sample Multiplier: 1

Instrument :
BNA_G
ClientSampleId :
ENV-102-SB01

Quant Time: Mar 10 14:39:34 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_G\Methods\8270-BG030525.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Wed Mar 05 15:39:19 2025
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) 1,4-Dichlorobenzene-d4	7.862	152	35165	20.000	ng	0.00
21) Naphthalene-d8	10.652	136	144374	20.000	ng	0.00
39) Acenaphthene-d10	14.483	164	92311	20.000	ng	0.00
64) Phenanthrene-d10	17.221	188	221718	20.000	ng	0.00
76) Chrysene-d12	21.457	240	232567	20.000	ng	0.00
86) Perylene-d12	24.472	264	240035	20.000	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.453	112	310073	137.683	ng	0.00
7) Phenol-d6	7.027	99	365905	119.432	ng	0.00
23) Nitrobenzene-d5	9.013	82	285483	109.274	ng	0.00
42) 2,4,6-Tribromophenol	15.970	330	183023	178.367	ng	0.00
45) 2-Fluorobiphenyl	13.114	172	617599	101.553	ng	0.00
79) Terphenyl-d14	19.848	244	1245450	108.283	ng	0.00

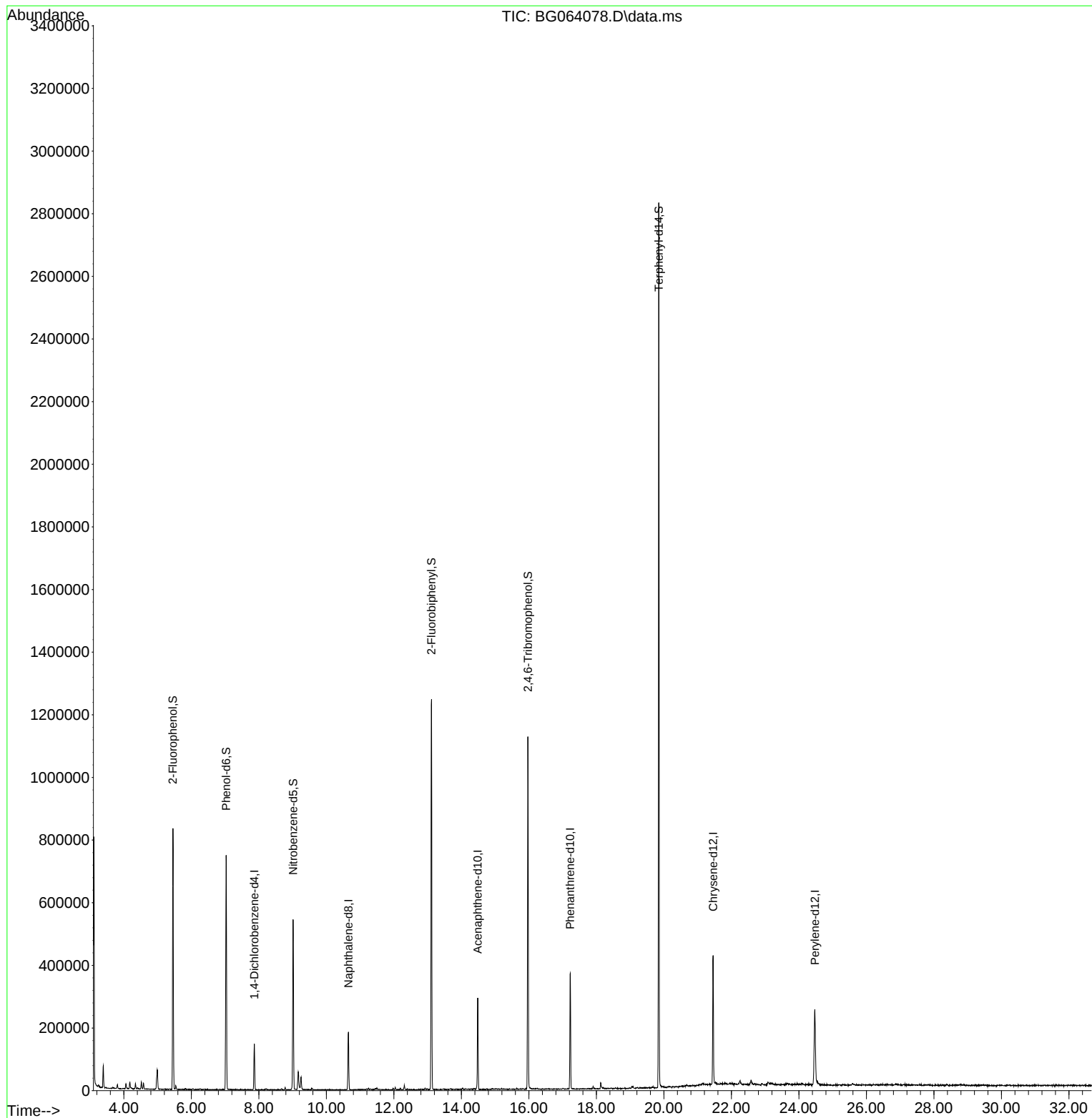
Target Compounds	Qvalue

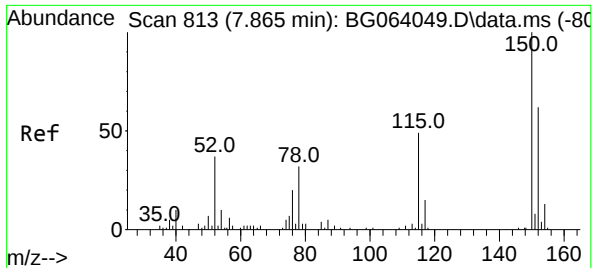
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG031025\
Data File : BG064078.D
Acq On : 10 Mar 2025 13:03
Operator : RC/JU
Sample : Q1488-06
Misc :
ALS Vial : 7 Sample Multiplier: 1

Instrument :
BNA_G
ClientSampleId :
ENV-102-SB01

Quant Time: Mar 10 14:39:34 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_G\Methods\8270-BG030525.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Wed Mar 05 15:39:19 2025
Response via : Initial Calibration

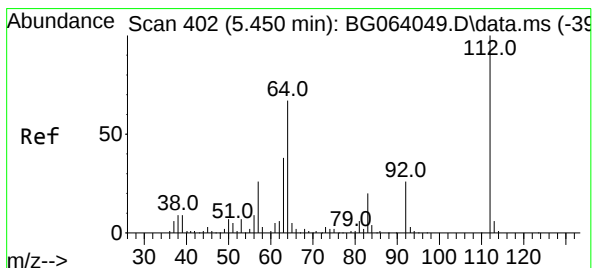
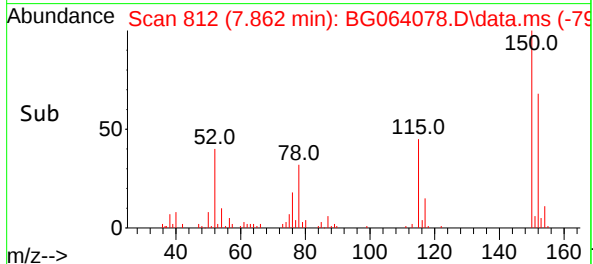
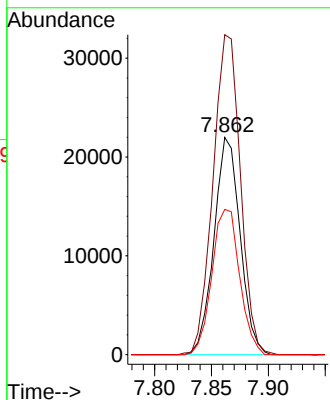
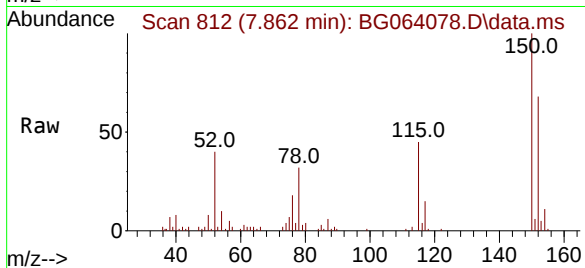




#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 7.862 min Scan# 813
Delta R.T. -0.003 min
Lab File: BG064078.D
Acq: 10 Mar 2025 13:03

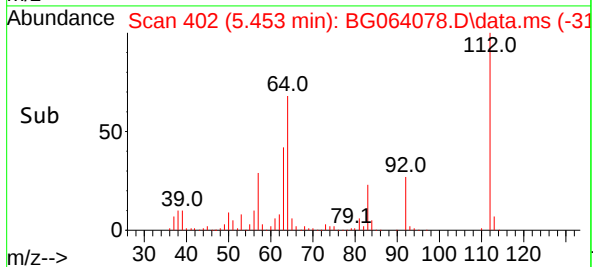
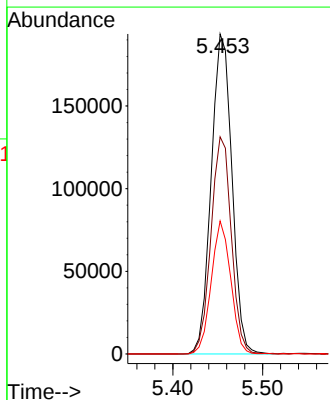
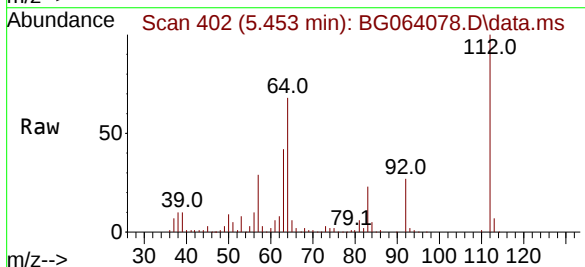
Instrument :
BNA_G
ClientSampleId :
ENV-102-SB01

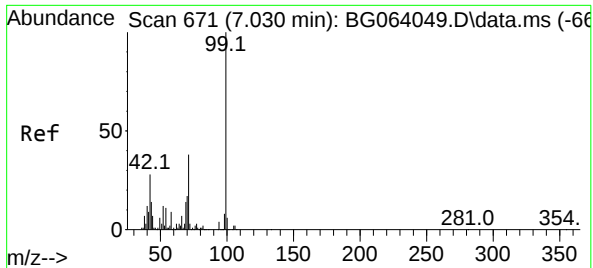
Tgt Ion:152 Resp: 35165
Ion Ratio Lower Upper
152 100
150 147.3 129.2 193.8
115 66.9 63.0 94.6



#5
2-Fluorophenol
Concen: 137.683 ng
RT: 5.453 min Scan# 402
Delta R.T. 0.003 min
Lab File: BG064078.D
Acq: 10 Mar 2025 13:03

Tgt Ion:112 Resp: 310073
Ion Ratio Lower Upper
112 100
64 67.9 53.7 80.5
63 41.6 30.2 45.4

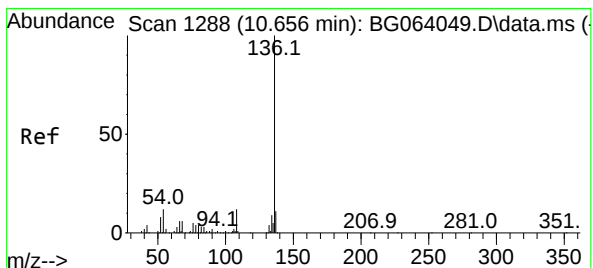
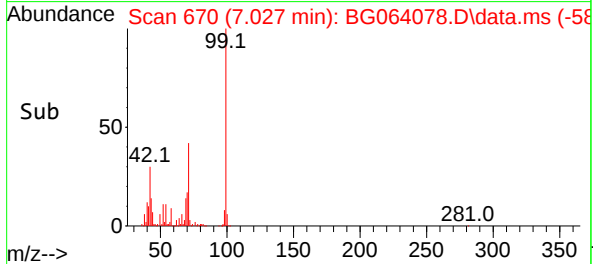
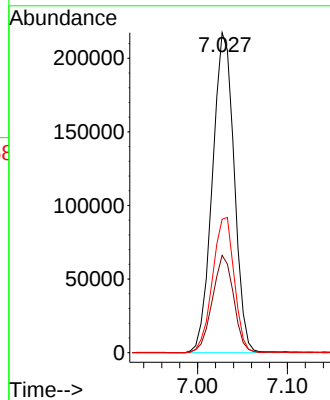
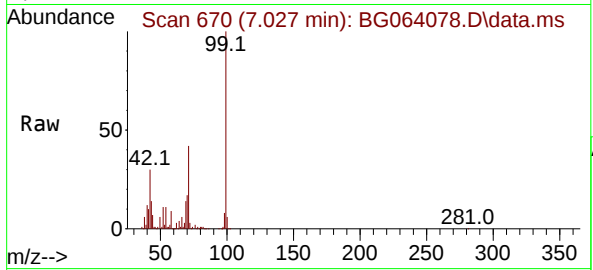




#7
Phenol-d6
Concen: 119.432 ng
RT: 7.027 min Scan# 61
Delta R.T. -0.003 min
Lab File: BG064078.D
Acq: 10 Mar 2025 13:03

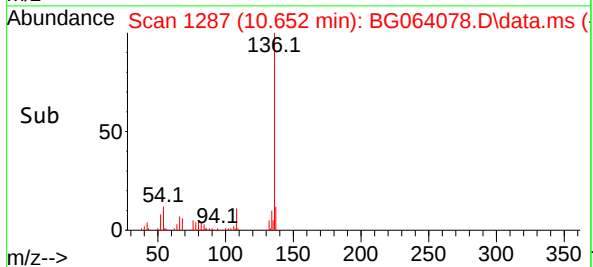
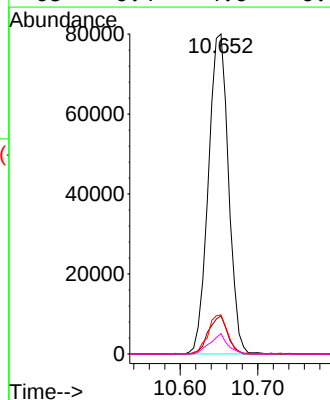
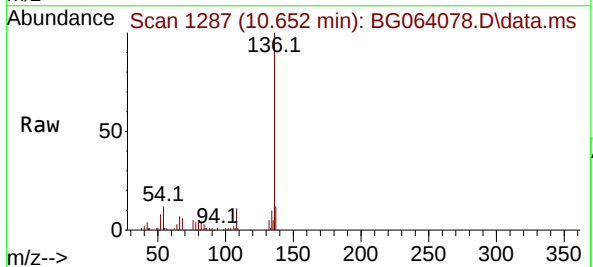
Instrument :
BNA_G
ClientSampleId :
ENV-102-SB01

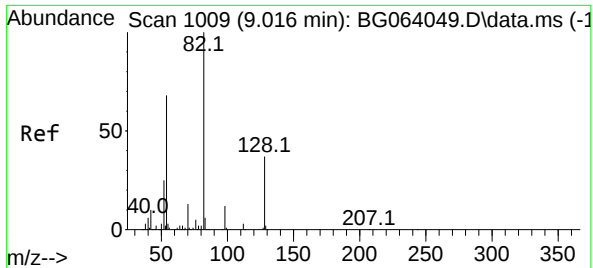
Tgt Ion: 99 Resp: 365905
Ion Ratio Lower Upper
99 100
42 30.4 22.7 34.1
71 41.7 30.6 46.0



#21
Naphthalene-d8
Concen: 20.000 ng
RT: 10.652 min Scan# 1287
Delta R.T. -0.004 min
Lab File: BG064078.D
Acq: 10 Mar 2025 13:03

Tgt Ion: 136 Resp: 144374
Ion Ratio Lower Upper
136 100
137 11.9 8.5 12.7
54 12.2 9.9 14.9
68 6.4 4.6 6.8





#23

Nitrobenzene-d5

Concen: 109.274 ng

RT: 9.013 min Scan# 1009

Delta R.T. -0.003 min

Lab File: BG064078.D

Acq: 10 Mar 2025 13:03

Instrument :

BNA_G

ClientSampleId :

ENV-102-SB01

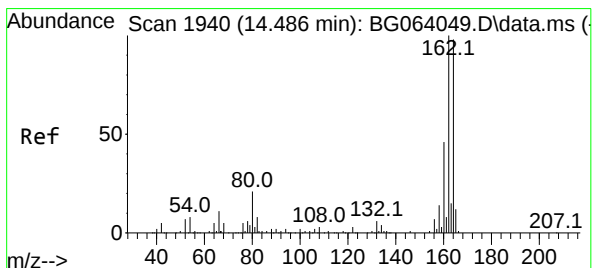
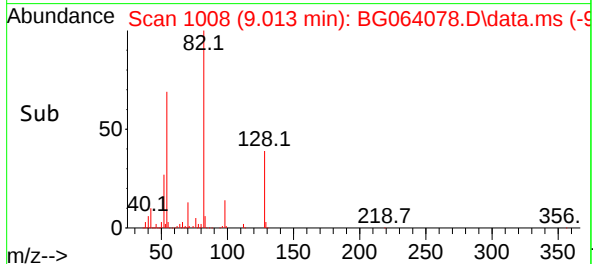
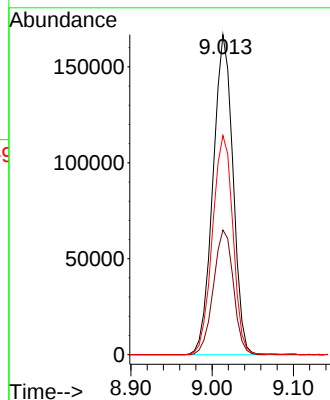
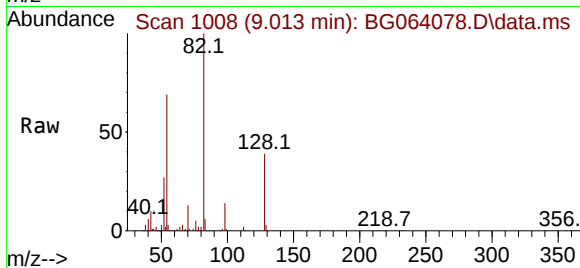
Tgt Ion: 82 Resp: 285483

Ion Ratio Lower Upper

82 100

128 39.0 30.0 45.0

54 68.5 54.7 82.1



#39

Acenaphthene-d10

Concen: 20.000 ng

RT: 14.483 min Scan# 1939

Delta R.T. -0.003 min

Lab File: BG064078.D

Acq: 10 Mar 2025 13:03

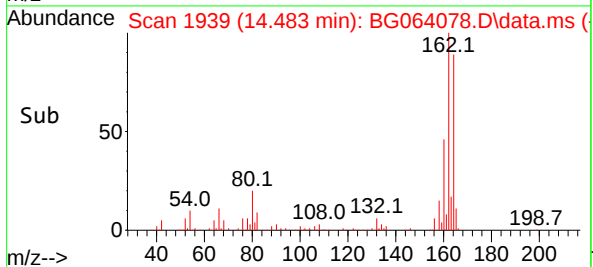
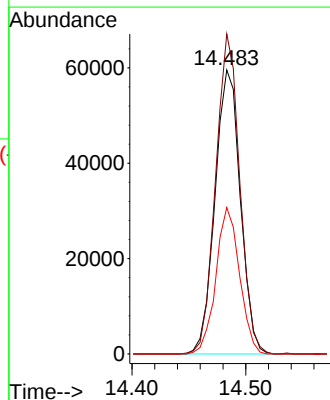
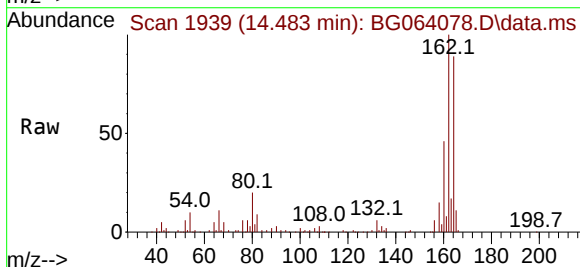
Tgt Ion: 164 Resp: 92311

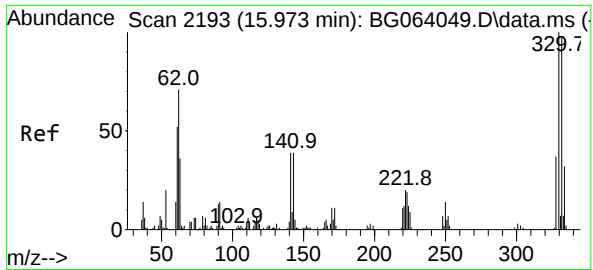
Ion Ratio Lower Upper

164 100

162 112.7 81.4 122.0

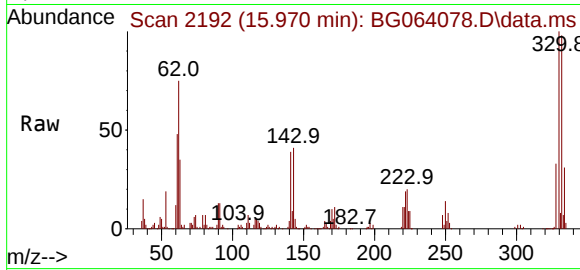
160 51.5 37.0 55.6



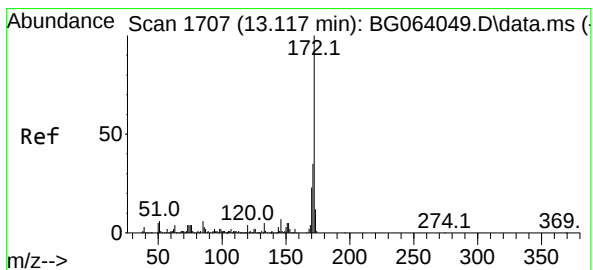
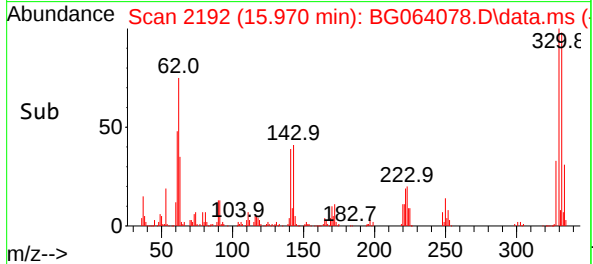
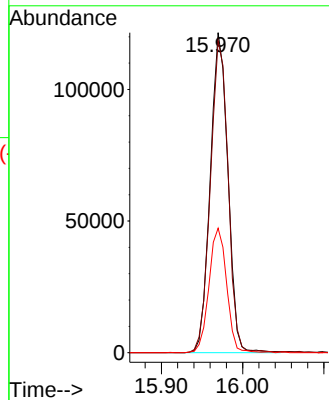


#42
2,4,6-Tribromophenol
Concen: 178.367 ng
RT: 15.970 min Scan# 2193
Delta R.T. -0.003 min
Lab File: BG064078.D
Acq: 10 Mar 2025 13:03

Instrument :
BNA_G
ClientSampleId :
ENV-102-SB01

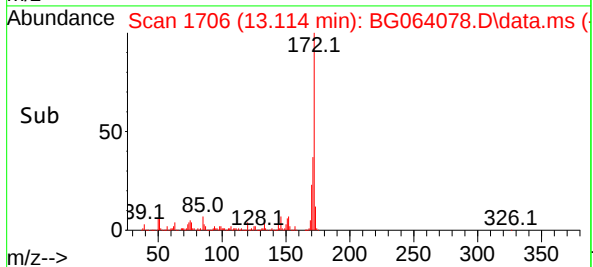
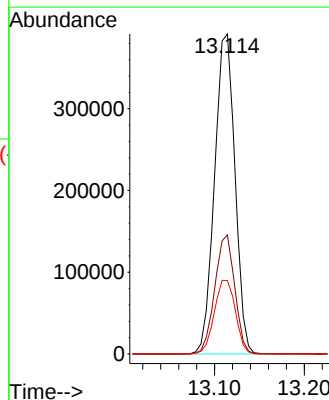
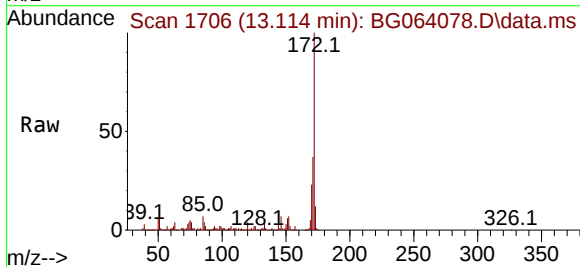


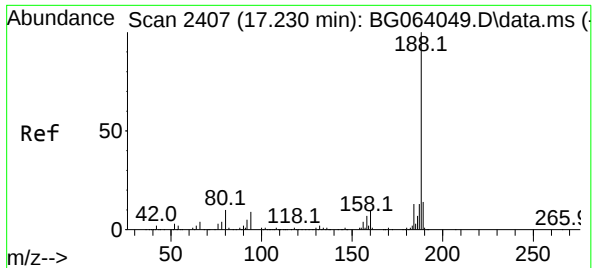
Tgt Ion:330 Resp: 183023
Ion Ratio Lower Upper
330 100
332 98.2 76.7 115.1
141 38.8 29.7 44.5



#45
2-Fluorobiphenyl
Concen: 101.553 ng
RT: 13.114 min Scan# 1706
Delta R.T. -0.003 min
Lab File: BG064078.D
Acq: 10 Mar 2025 13:03

Tgt Ion:172 Resp: 617599
Ion Ratio Lower Upper
172 100
171 37.2 28.0 42.0
170 23.0 18.7 28.1

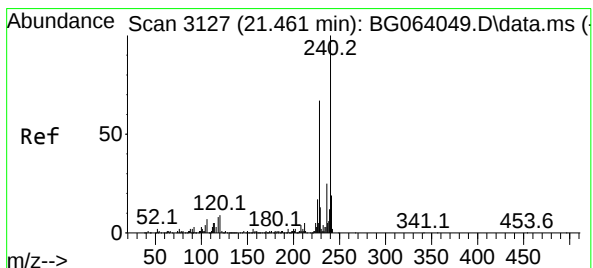
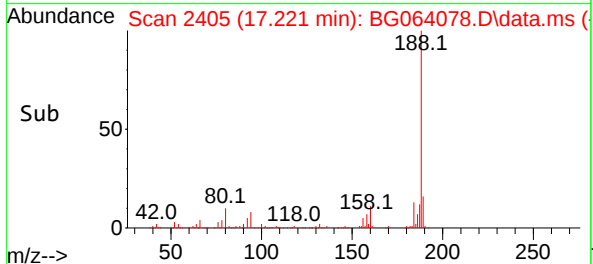
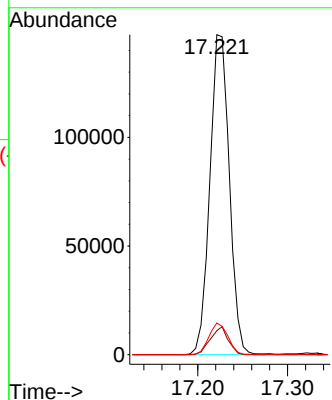
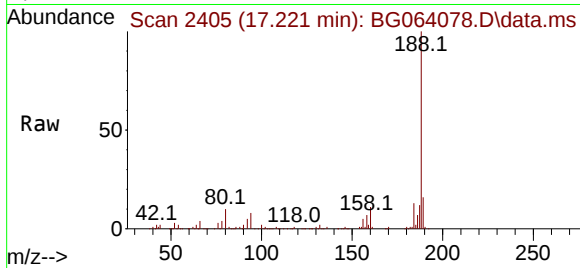




#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 17.221 min Scan# 2405
Delta R.T. -0.009 min
Lab File: BG064078.D
Acq: 10 Mar 2025 13:03

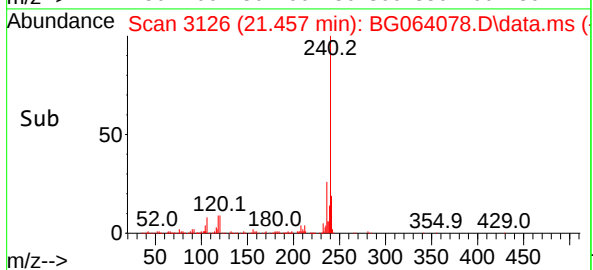
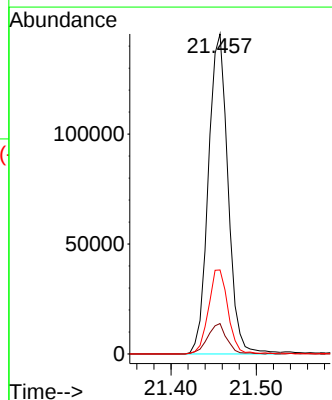
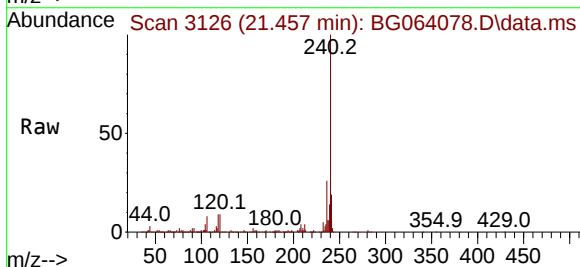
Instrument :
BNA_G
ClientSampleId :
ENV-102-SB01

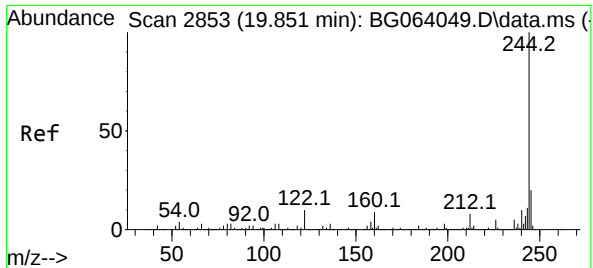
Tgt Ion	Ratio	Lower	Upper
188	100		
94	7.5	6.9	10.3
80	9.9	8.1	12.1



#76
Chrysene-d12
Concen: 20.000 ng
RT: 21.457 min Scan# 3126
Delta R.T. -0.003 min
Lab File: BG064078.D
Acq: 10 Mar 2025 13:03

Tgt Ion	Ratio	Lower	Upper
240	100		
120	9.5	7.2	10.8
236	26.2	20.2	30.2

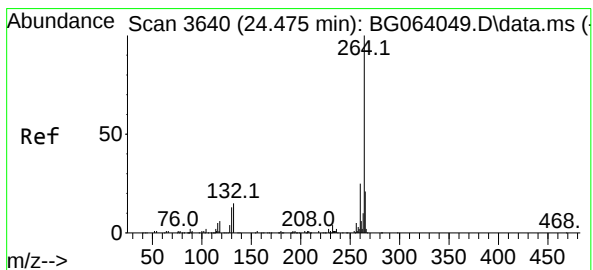
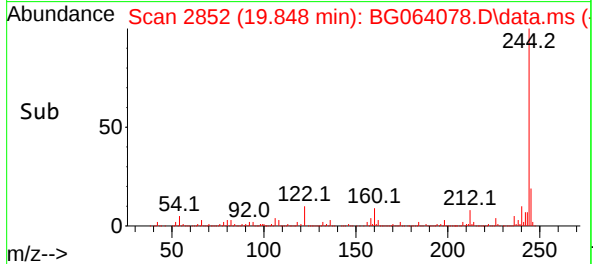
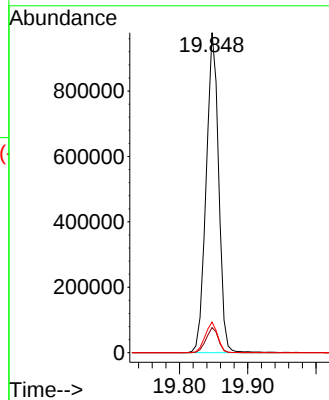
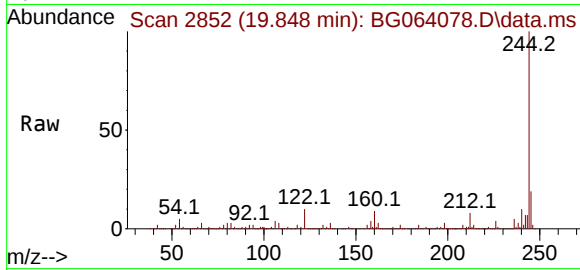




#79
 Terphenyl-d14
 Concen: 108.283 ng
 RT: 19.848 min Scan# 21
 Delta R.T. -0.003 min
 Lab File: BG064078.D
 Acq: 10 Mar 2025 13:03

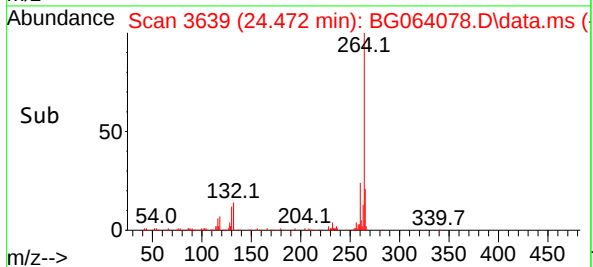
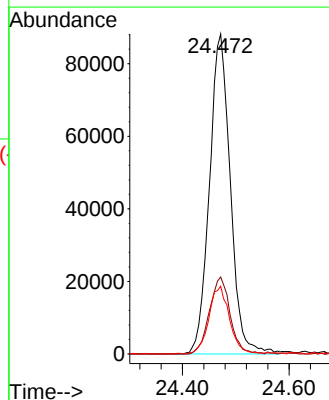
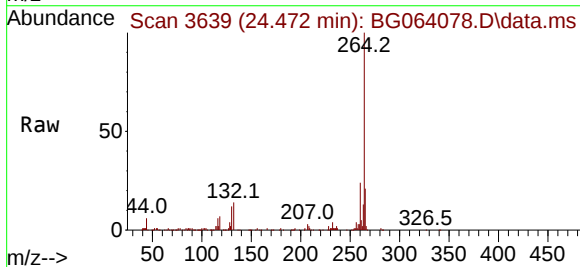
Instrument :
 BNA_G
 ClientSampleId :
 ENV-102-SB01

Tgt Ion:244 Resp: 1245450
 Ion Ratio Lower Upper
 244 100
 212 7.9 6.2 9.4
 122 9.6 8.0 12.0



#86
 Perylene-d12
 Concen: 20.000 ng
 RT: 24.472 min Scan# 3639
 Delta R.T. -0.003 min
 Lab File: BG064078.D
 Acq: 10 Mar 2025 13:03

Tgt Ion:264 Resp: 240035
 Ion Ratio Lower Upper
 264 100
 260 24.1 19.6 29.4
 265 21.1 16.6 25.0



Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG031025\
Data File : BG064079.D
Acq On : 10 Mar 2025 13:43
Operator : RC/JU
Sample : Q1488-08
Misc :
ALS Vial : 8 Sample Multiplier: 1

Instrument :
BNA_G
ClientSampleId :
ENV-102-SB02

Quant Time: Mar 10 15:19:16 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_G\Methods\8270-BG030525.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Wed Mar 05 15:39:19 2025
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) 1,4-Dichlorobenzene-d4	7.861	152	32475	20.000	ng	0.00
21) Naphthalene-d8	10.652	136	132840	20.000	ng	0.00
39) Acenaphthene-d10	14.488	164	88542	20.000	ng	0.00
64) Phenanthrene-d10	17.226	188	205793	20.000	ng	0.00
76) Chrysene-d12	21.457	240	234830	20.000	ng	0.00
86) Perylene-d12	24.471	264	245151	20.000	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.452	112	299574	144.040	ng	0.00
7) Phenol-d6	7.032	99	363258	128.390	ng	0.00
23) Nitrobenzene-d5	9.012	82	274607	114.238	ng	0.00
42) 2,4,6-Tribromophenol	15.975	330	170868	173.610	ng	0.00
45) 2-Fluorobiphenyl	13.114	172	599991	102.857	ng	0.00
79) Terphenyl-d14	19.847	244	1223564	105.355	ng	0.00

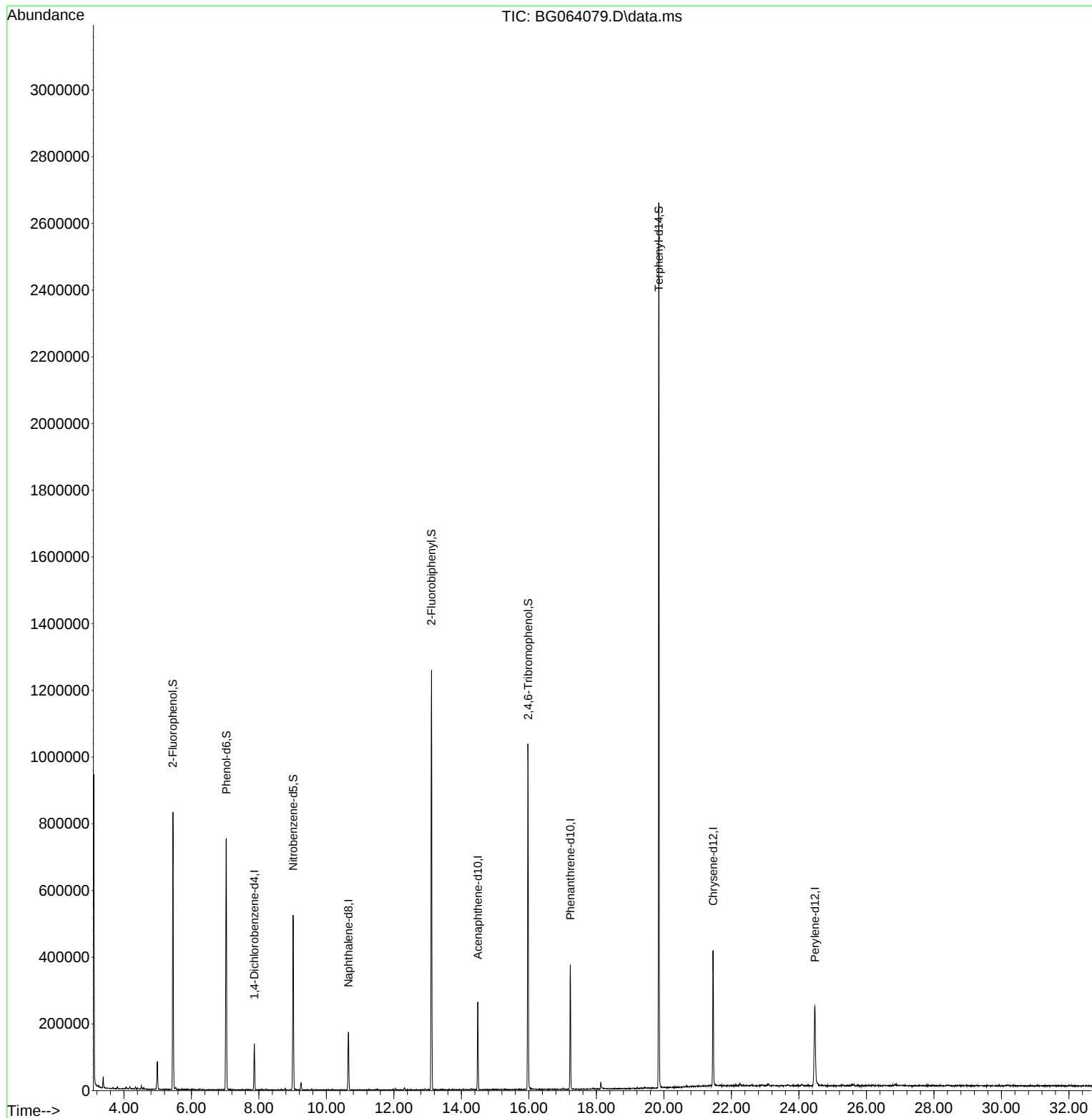
Target Compounds	Qvalue

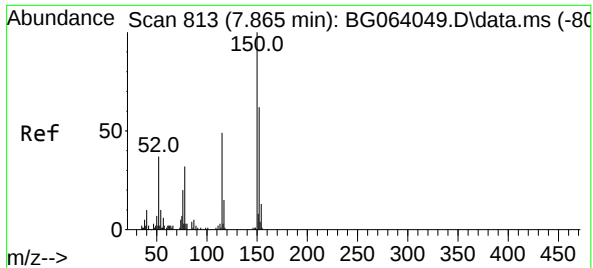
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG031025\
Data File : BG064079.D
Acq On : 10 Mar 2025 13:43
Operator : RC/JU
Sample : Q1488-08
Misc :
ALS Vial : 8 Sample Multiplier: 1

Instrument :
BNA_G
ClientSampleId :
ENV-102-SB02

Quant Time: Mar 10 15:19:16 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_G\Methods\8270-BG030525.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Wed Mar 05 15:39:19 2025
Response via : Initial Calibration

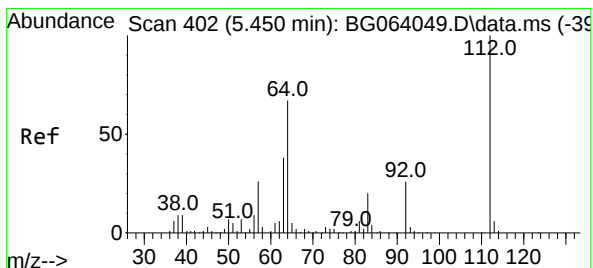
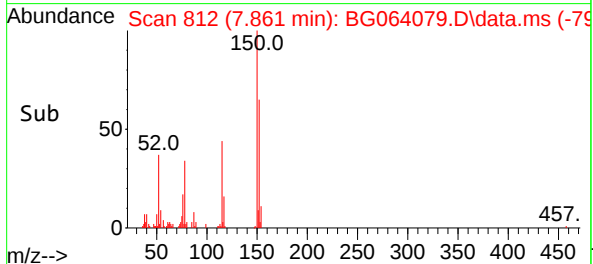
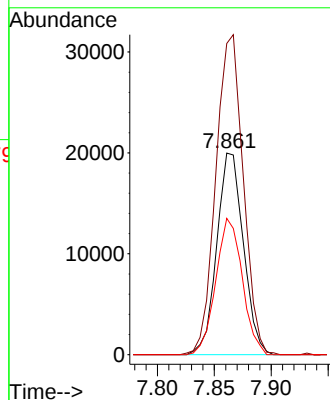
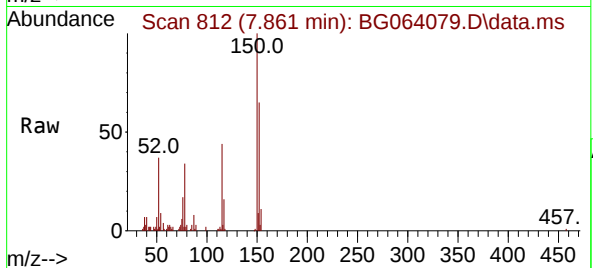




#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 7.861 min Scan# 813
Delta R.T. -0.004 min
Lab File: BG064079.D
Acq: 10 Mar 2025 13:43

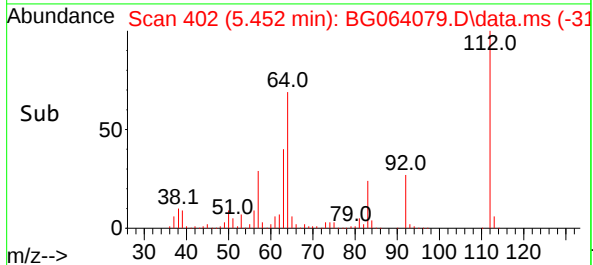
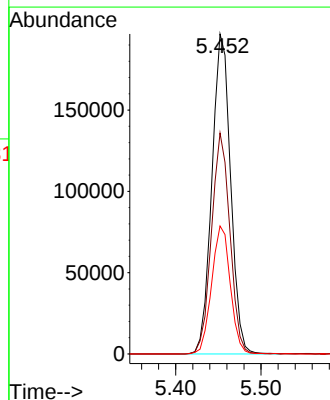
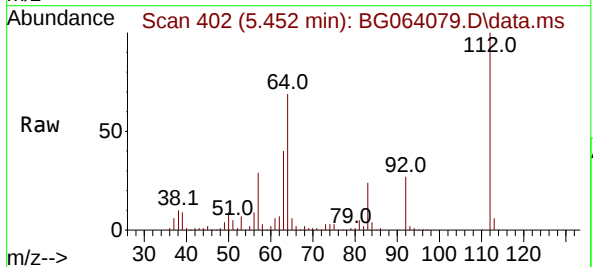
Instrument :
BNA_G
ClientSampleId :
ENV-102-SB02

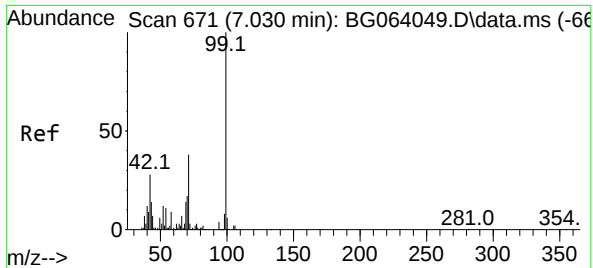
Tgt Ion:152 Resp: 32475
Ion Ratio Lower Upper
152 100
150 154.4 129.2 193.8
115 67.6 63.0 94.6



#5
2-Fluorophenol
Concen: 144.040 ng
RT: 5.452 min Scan# 402
Delta R.T. 0.002 min
Lab File: BG064079.D
Acq: 10 Mar 2025 13:43

Tgt Ion:112 Resp: 299574
Ion Ratio Lower Upper
112 100
64 69.0 53.7 80.5
63 40.0 30.2 45.4

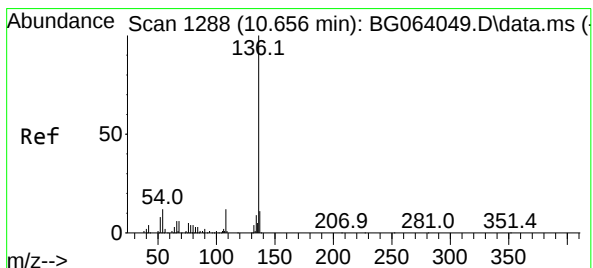
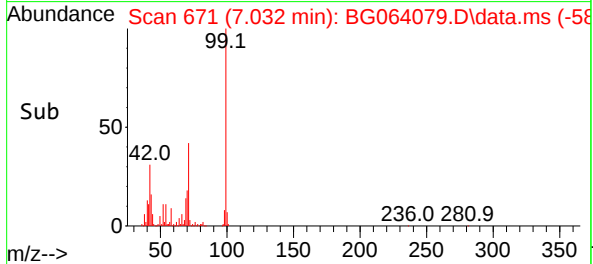
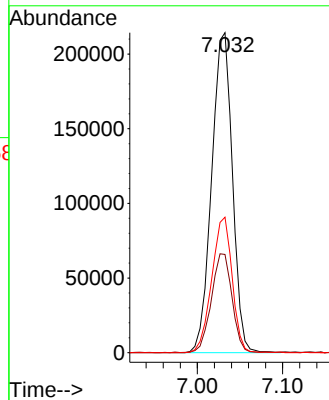
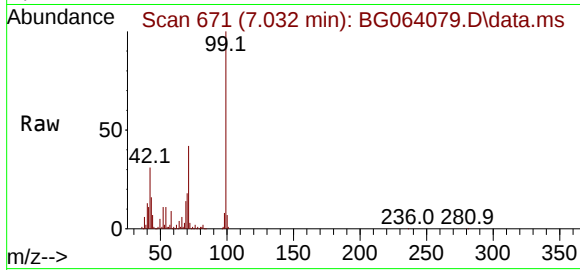




#7
Phenol-d6
Concen: 128.390 ng
RT: 7.032 min Scan# 61
Delta R.T. 0.002 min
Lab File: BG064079.D
Acq: 10 Mar 2025 13:43

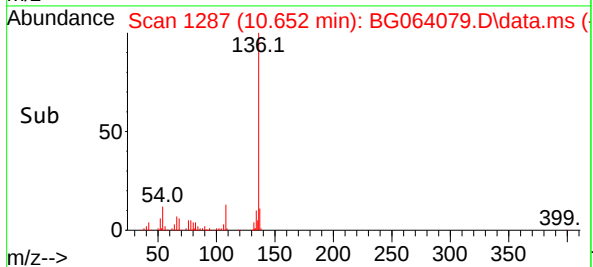
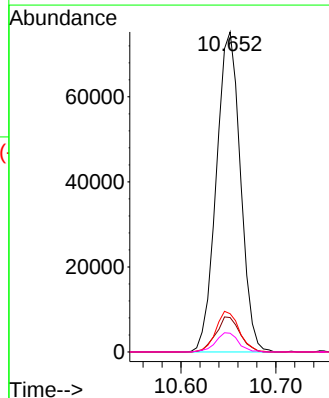
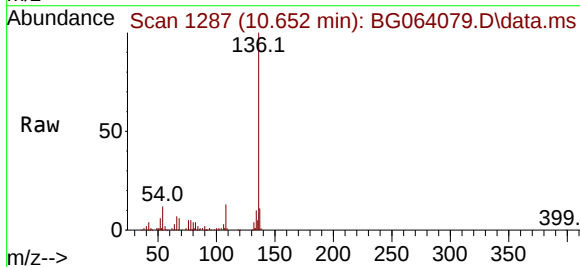
Instrument :
BNA_G
ClientSampleId :
ENV-102-SB02

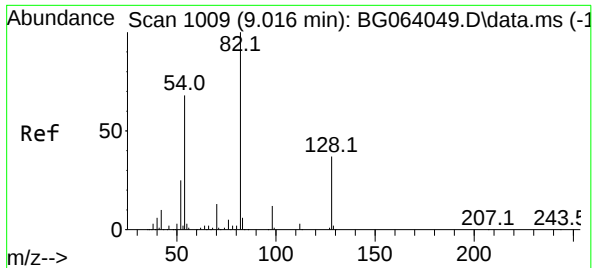
Tgt Ion: 99 Resp: 363258
Ion Ratio Lower Upper
99 100
42 30.7 22.7 34.1
71 42.3 30.6 46.0



#21
Naphthalene-d8
Concen: 20.000 ng
RT: 10.652 min Scan# 1287
Delta R.T. -0.004 min
Lab File: BG064079.D
Acq: 10 Mar 2025 13:43

Tgt Ion: 136 Resp: 132840
Ion Ratio Lower Upper
136 100
137 10.7 8.5 12.7
54 12.0 9.9 14.9
68 5.8 4.6 6.8

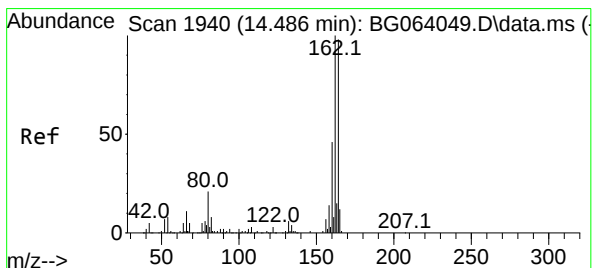
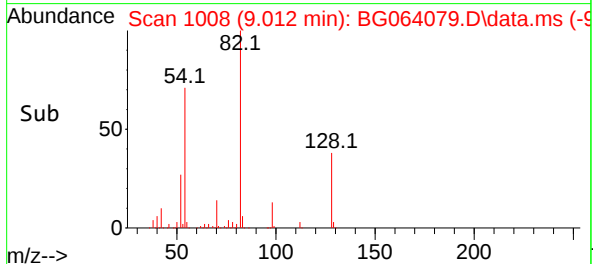
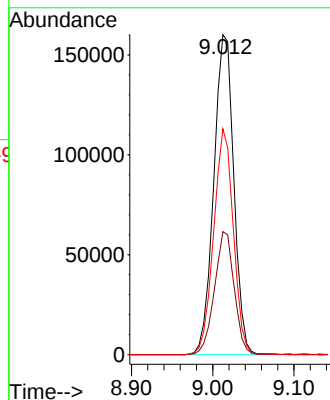
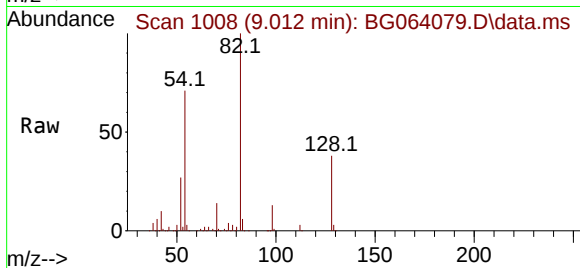




#23
Nitrobenzene-d5
Concen: 114.238 ng
RT: 9.012 min Scan# 1009
Delta R.T. -0.004 min
Lab File: BG064079.D
Acq: 10 Mar 2025 13:43

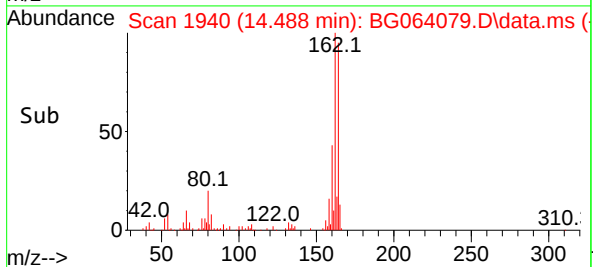
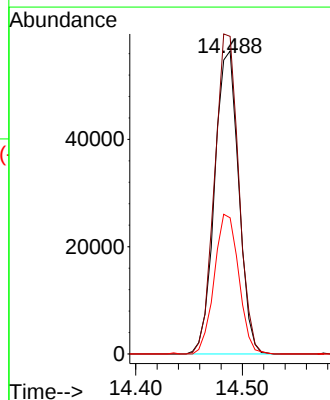
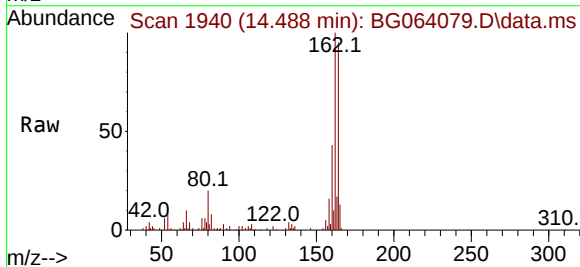
Instrument :
BNA_G
ClientSampleId :
ENV-102-SB02

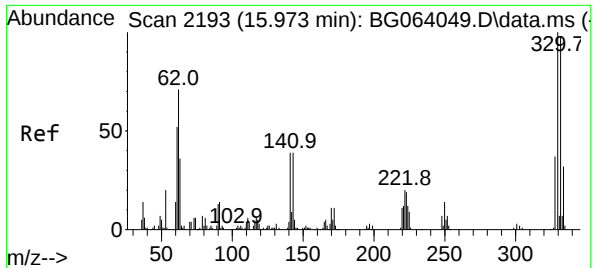
Tgt Ion: 82 Resp: 274607
Ion Ratio Lower Upper
82 100
128 38.4 30.0 45.0
54 70.6 54.7 82.1



#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 14.488 min Scan# 1940
Delta R.T. 0.002 min
Lab File: BG064079.D
Acq: 10 Mar 2025 13:43

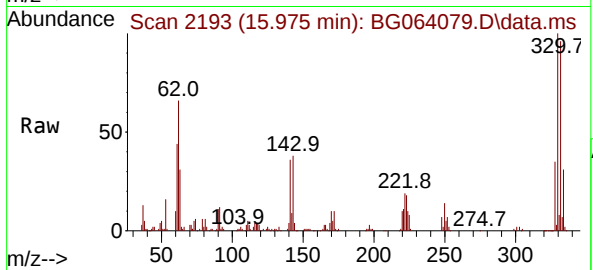
Tgt Ion: 164 Resp: 88542
Ion Ratio Lower Upper
164 100
162 104.8 81.4 122.0
160 44.9 37.0 55.6



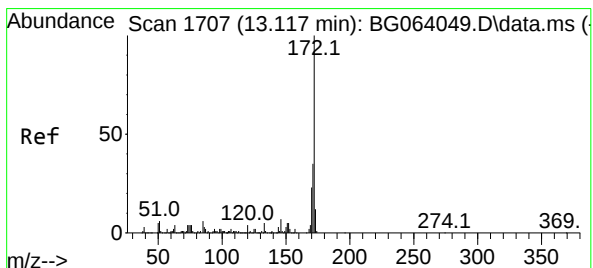
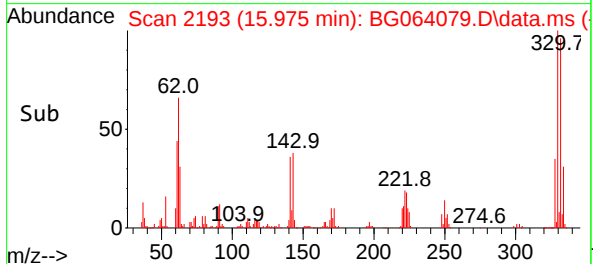
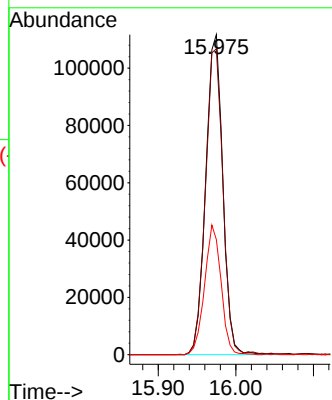


#42
2,4,6-Tribromophenol
Concen: 173.610 ng
RT: 15.975 min Scan# 2193
Delta R.T. 0.002 min
Lab File: BG064079.D
Acq: 10 Mar 2025 13:43

Instrument :
BNA_G
ClientSampleId :
ENV-102-SB02

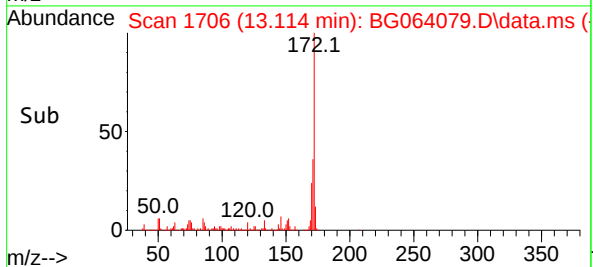
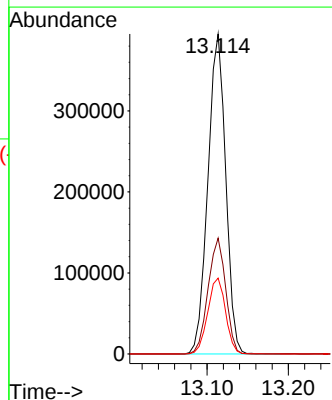
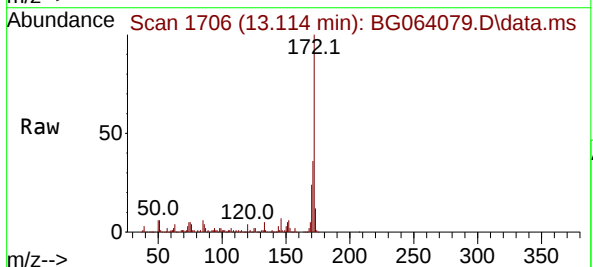


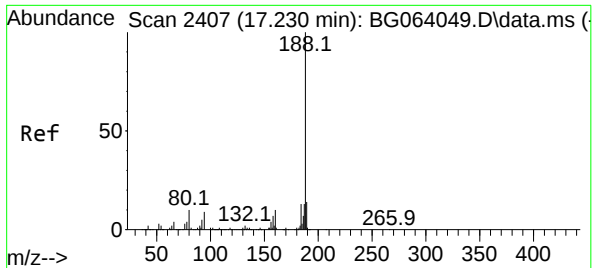
Tgt Ion:330 Resp: 170868
Ion Ratio Lower Upper
330 100
332 97.9 76.7 115.1
141 39.1 29.7 44.5



#45
2-Fluorobiphenyl
Concen: 102.857 ng
RT: 13.114 min Scan# 1706
Delta R.T. -0.004 min
Lab File: BG064079.D
Acq: 10 Mar 2025 13:43

Tgt Ion:172 Resp: 599991
Ion Ratio Lower Upper
172 100
171 36.2 28.0 42.0
170 23.7 18.7 28.1

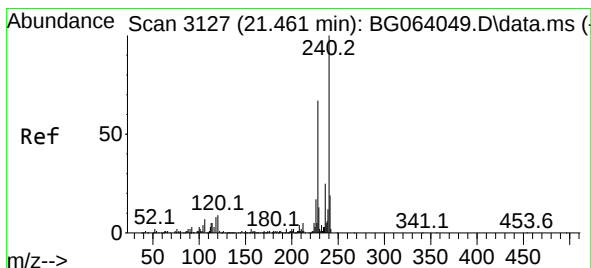
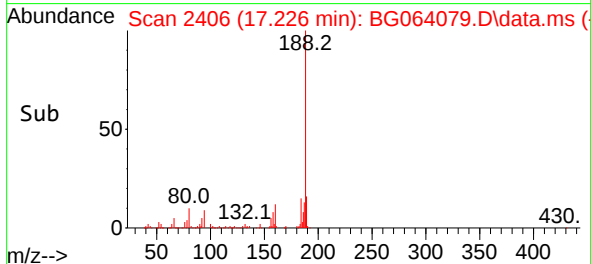
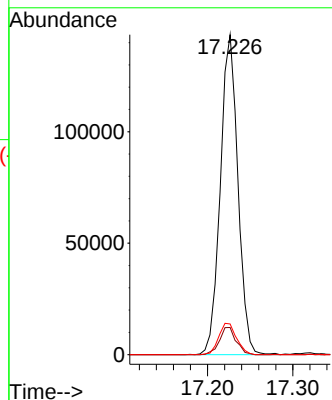
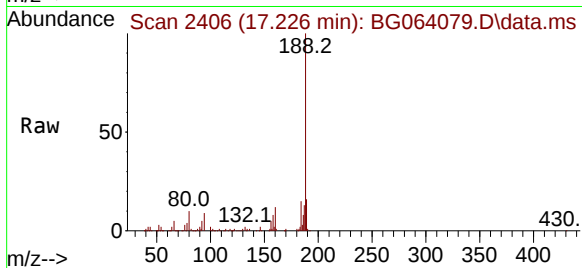




#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 17.226 min Scan# 2406
Delta R.T. -0.004 min
Lab File: BG064079.D
Acq: 10 Mar 2025 13:43

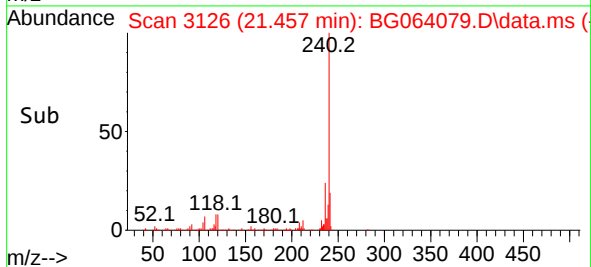
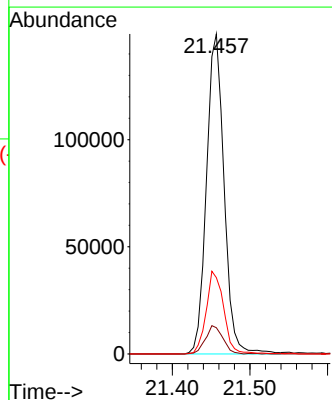
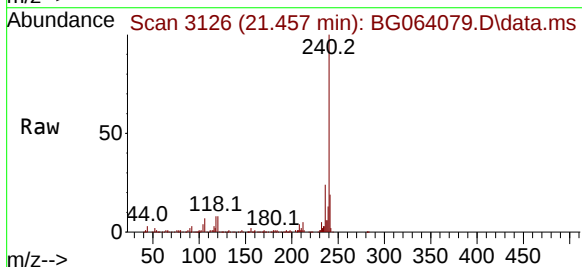
Instrument :
BNA_G
ClientSampleId :
ENV-102-SB02

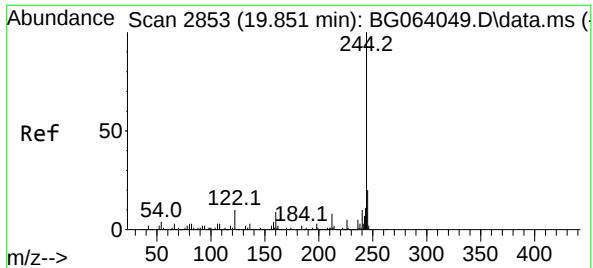
Tgt Ion:188 Resp: 205793
Ion Ratio Lower Upper
188 100
94 8.5 6.9 10.3
80 9.6 8.1 12.1



#76
Chrysene-d12
Concen: 20.000 ng
RT: 21.457 min Scan# 3126
Delta R.T. -0.004 min
Lab File: BG064079.D
Acq: 10 Mar 2025 13:43

Tgt Ion:240 Resp: 234830
Ion Ratio Lower Upper
240 100
120 8.2 7.2 10.8
236 23.9 20.2 30.2

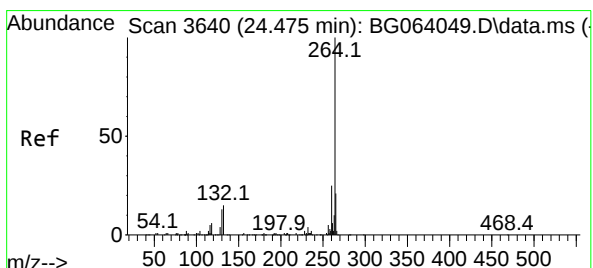
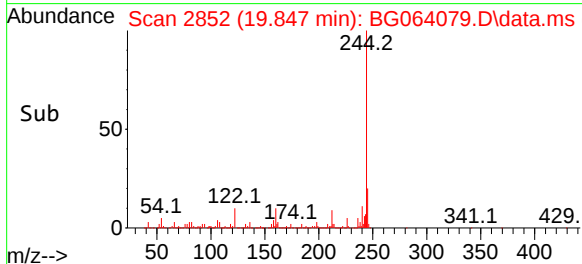
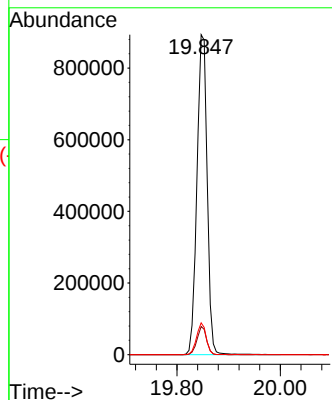
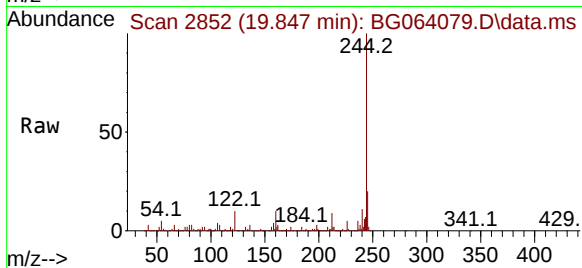




#79
 Terphenyl-d14
 Concen: 105.355 ng
 RT: 19.847 min Scan# 21
 Delta R.T. -0.004 min
 Lab File: BG064079.D
 Acq: 10 Mar 2025 13:43

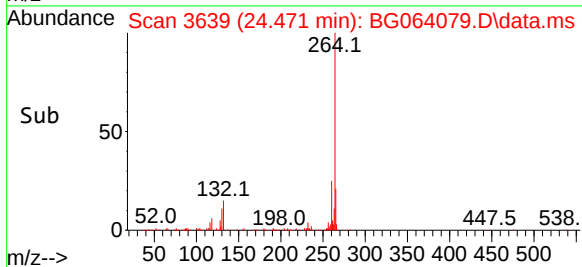
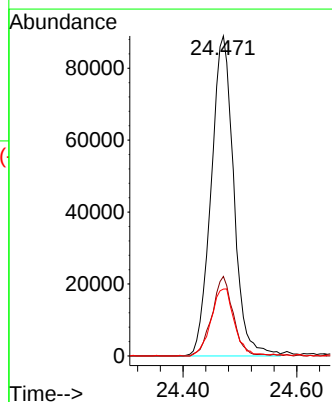
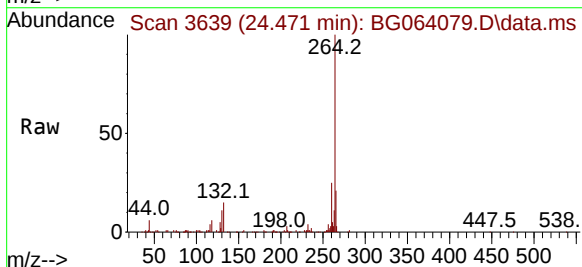
Instrument :
 BNA_G
 ClientSampleId :
 ENV-102-SB02

Tgt Ion:244 Resp: 1223564
 Ion Ratio Lower Upper
 244 100
 212 8.8 6.2 9.4
 122 10.0 8.0 12.0



#86
 Perylene-d12
 Concen: 20.000 ng
 RT: 24.471 min Scan# 3639
 Delta R.T. -0.004 min
 Lab File: BG064079.D
 Acq: 10 Mar 2025 13:43

Tgt Ion:264 Resp: 245151
 Ion Ratio Lower Upper
 264 100
 260 24.9 19.6 29.4
 265 20.9 16.6 25.0



Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG031025\
Data File : BG064080.D
Acq On : 10 Mar 2025 14:23
Operator : RC/JU
Sample : Q1488-10
Misc :
ALS Vial : 9 Sample Multiplier: 1

Instrument :
BNA_G
ClientSampleId :
ENV-104-SB01

Quant Time: Mar 10 16:01:18 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_G\Methods\8270-BG030525.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Wed Mar 05 15:39:19 2025
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) 1,4-Dichlorobenzene-d4	7.862	152	31568	20.000	ng	0.00
21) Naphthalene-d8	10.653	136	132922	20.000	ng	0.00
39) Acenaphthene-d10	14.483	164	86428	20.000	ng	0.00
64) Phenanthrene-d10	17.227	188	203951	20.000	ng	0.00
76) Chrysene-d12	21.458	240	230232	20.000	ng	0.00
86) Perylene-d12	24.472	264	240357	20.000	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.453	112	280962	138.972	ng	0.00
7) Phenol-d6	7.027	99	334052	121.459	ng	0.00
23) Nitrobenzene-d5	9.013	82	249192	103.601	ng	0.00
42) 2,4,6-Tribromophenol	15.970	330	156619	163.025	ng	0.00
45) 2-Fluorobiphenyl	13.114	172	548379	96.308	ng	0.00
79) Terphenyl-d14	19.848	244	1128017	99.067	ng	0.00

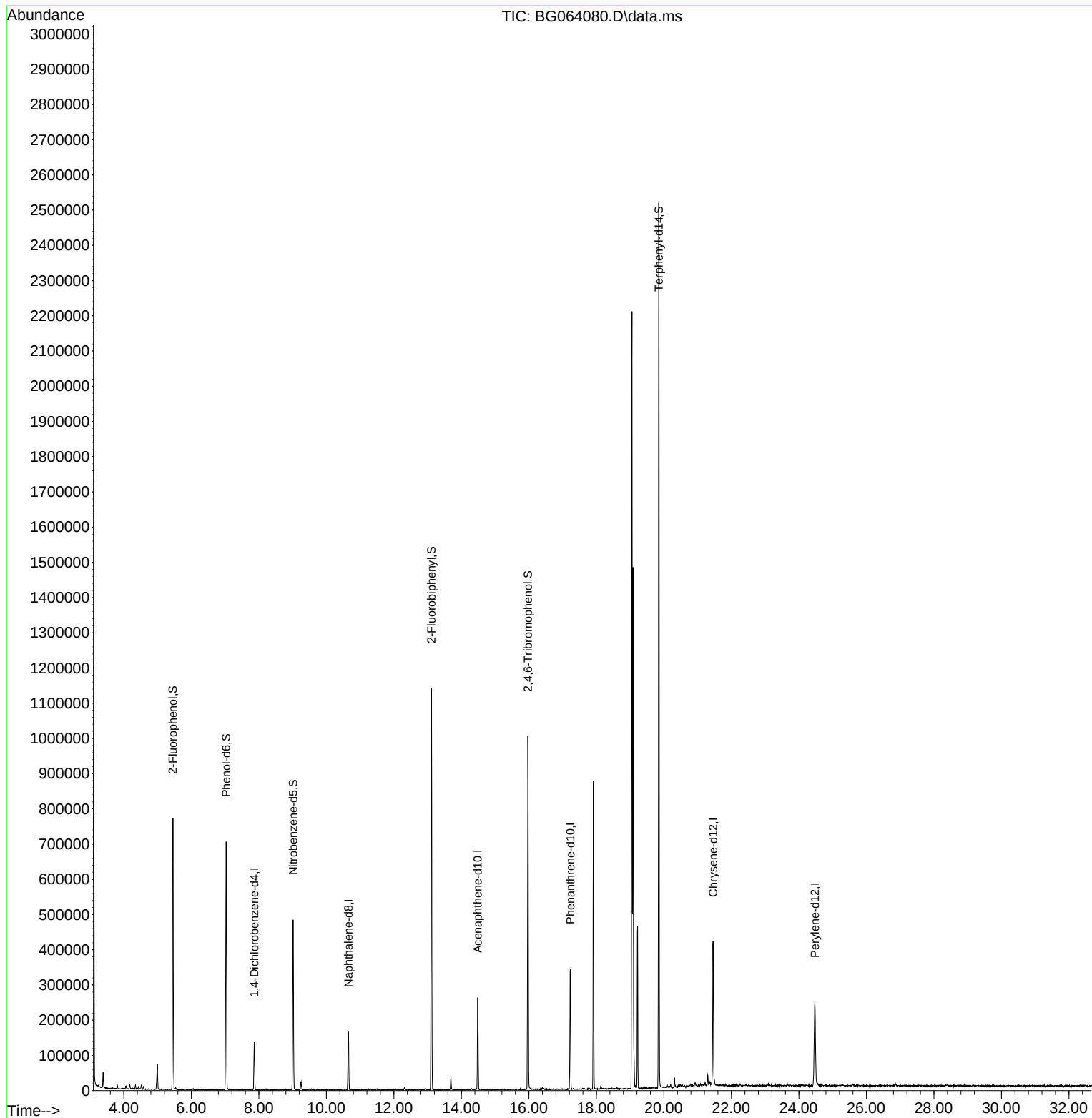
Target Compounds	Qvalue

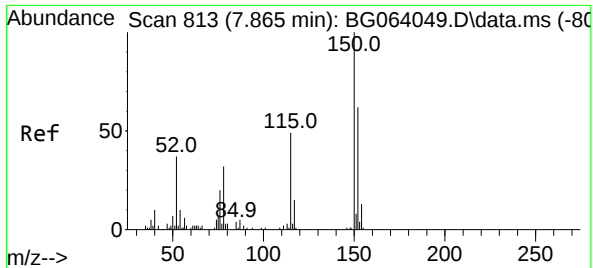
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG031025\
Data File : BG064080.D
Acq On : 10 Mar 2025 14:23
Operator : RC/JU
Sample : Q1488-10
Misc :
ALS Vial : 9 Sample Multiplier: 1

Instrument :
BNA_G
ClientSampleId :
ENV-104-SB01

Quant Time: Mar 10 16:01:18 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_G\Methods\8270-BG030525.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Wed Mar 05 15:39:19 2025
Response via : Initial Calibration

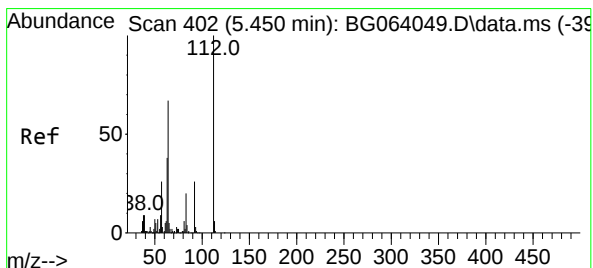
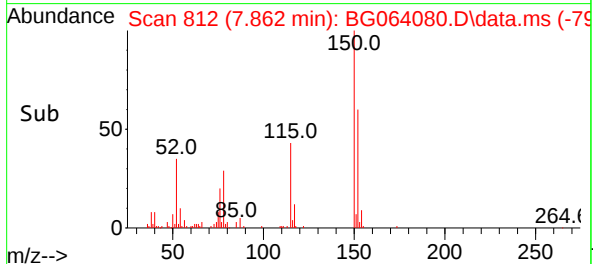
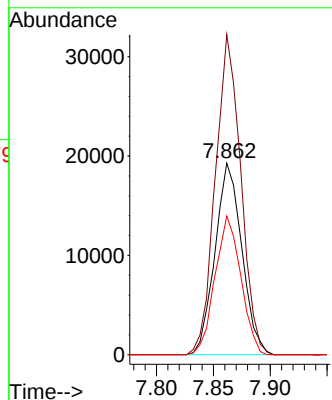
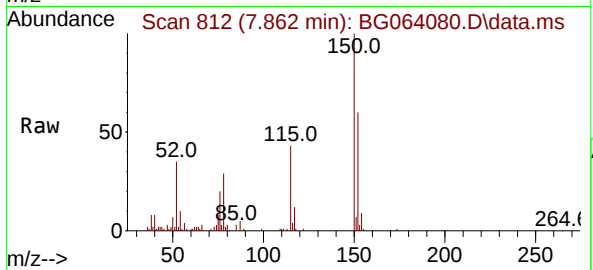




#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 7.862 min Scan# 813
Delta R.T. -0.003 min
Lab File: BG064080.D
Acq: 10 Mar 2025 14:23

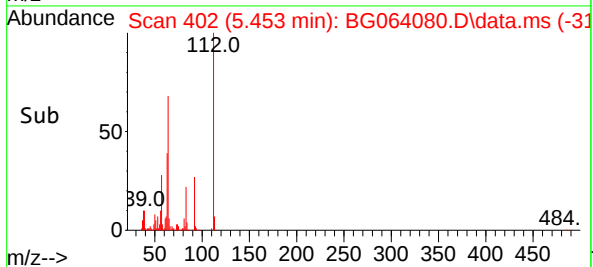
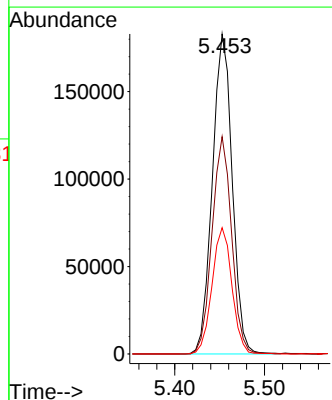
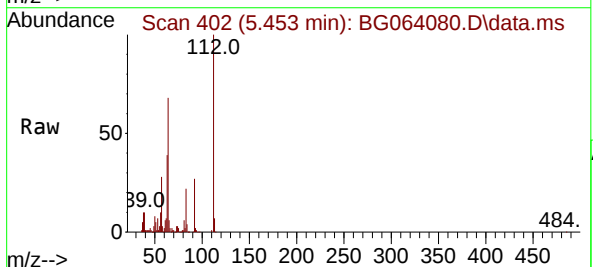
Instrument :
BNA_G
ClientSampleId :
ENV-104-SB01

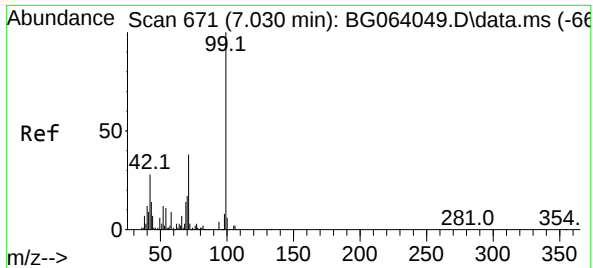
Tgt Ion	152	Resp	31568
Ion Ratio	Lower	Upper	
152	100		
150	167.1	129.2	193.8
115	72.4	63.0	94.6



#5
2-Fluorophenol
Concen: 138.972 ng
RT: 5.453 min Scan# 402
Delta R.T. 0.003 min
Lab File: BG064080.D
Acq: 10 Mar 2025 14:23

Tgt Ion	112	Resp	280962
Ion Ratio	Lower	Upper	
112	100		
64	67.9	53.7	80.5
63	39.5	30.2	45.4

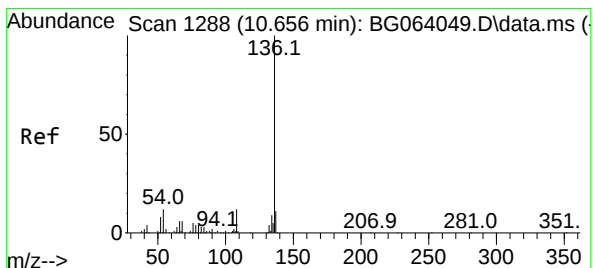
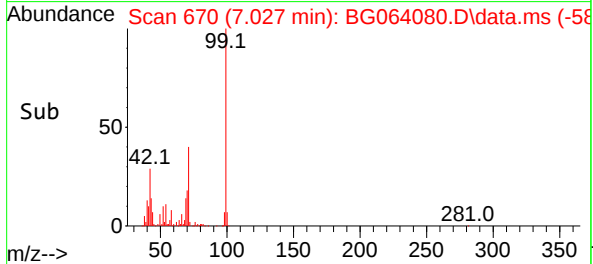
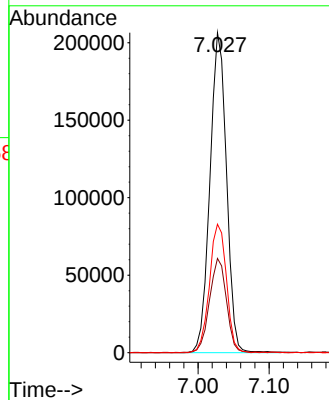
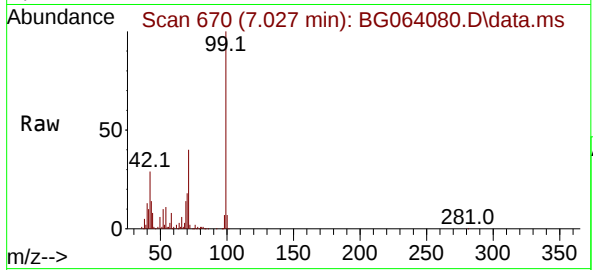




#7
Phenol-d6
Concen: 121.459 ng
RT: 7.027 min Scan# 61
Delta R.T. -0.003 min
Lab File: BG064080.D
Acq: 10 Mar 2025 14:23

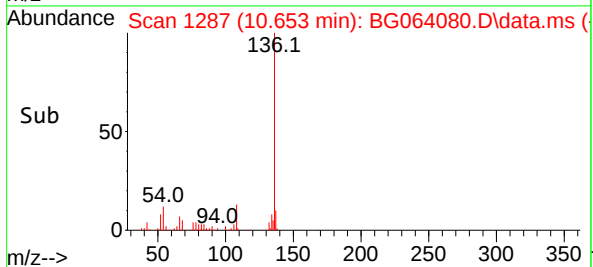
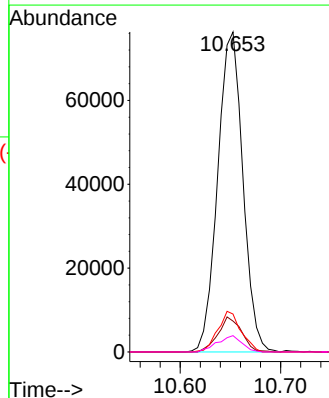
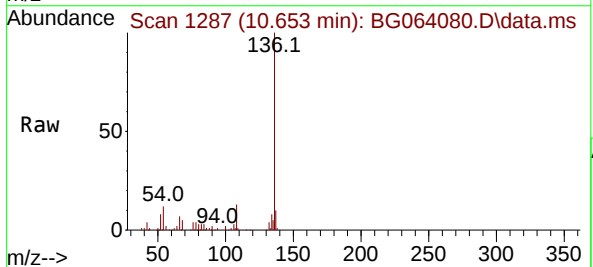
Instrument :
BNA_G
ClientSampleId :
ENV-104-SB01

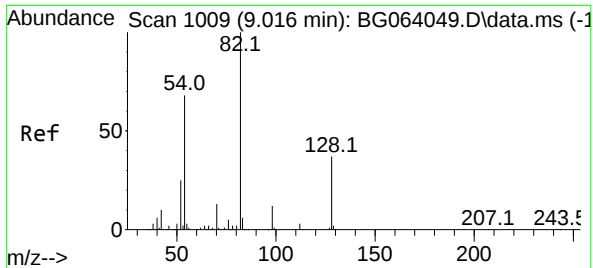
Tgt Ion: 99 Resp: 334052
Ion Ratio Lower Upper
99 100
42 29.5 22.7 34.1
71 40.1 30.6 46.0



#21
Naphthalene-d8
Concen: 20.000 ng
RT: 10.653 min Scan# 1287
Delta R.T. -0.003 min
Lab File: BG064080.D
Acq: 10 Mar 2025 14:23

Tgt Ion: 136 Resp: 132922
Ion Ratio Lower Upper
136 100
137 9.7 8.5 12.7
54 11.8 9.9 14.9
68 5.1 4.6 6.8





#23

Nitrobenzene-d5

Concen: 103.601 ng

RT: 9.013 min Scan# 1009

Delta R.T. -0.003 min

Lab File: BG064080.D

Acq: 10 Mar 2025 14:23

Instrument :

BNA_G

ClientSampleId :

ENV-104-SB01

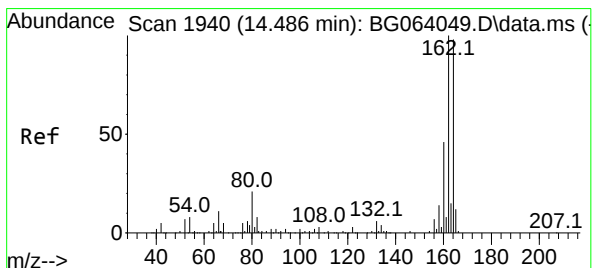
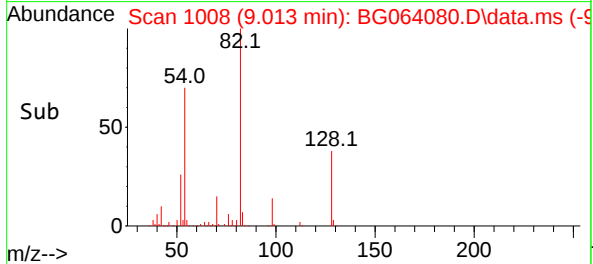
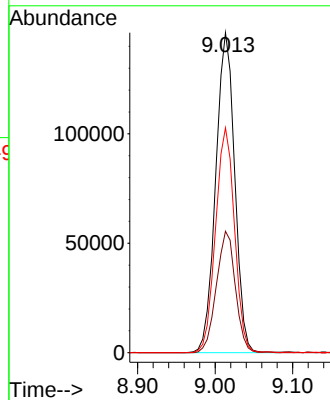
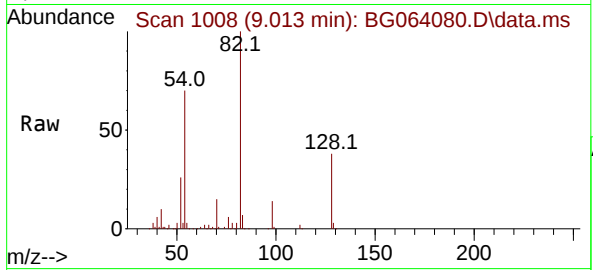
Tgt Ion: 82 Resp: 249192

Ion Ratio Lower Upper

82 100

128 37.9 30.0 45.0

54 70.3 54.7 82.1



#39

Acenaphthene-d10

Concen: 20.000 ng

RT: 14.483 min Scan# 1939

Delta R.T. -0.003 min

Lab File: BG064080.D

Acq: 10 Mar 2025 14:23

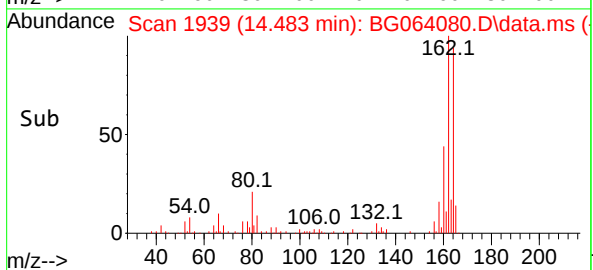
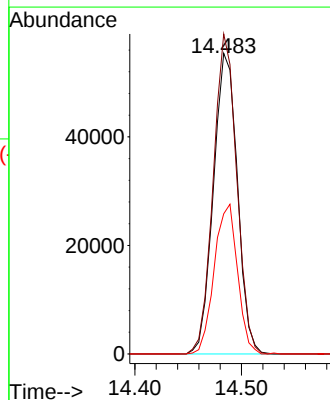
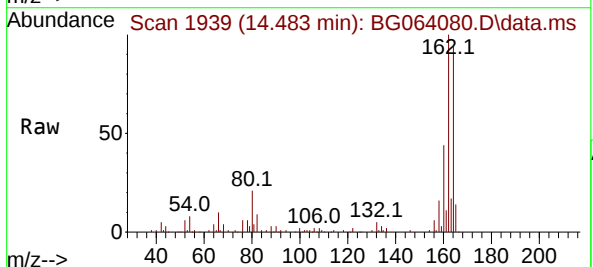
Tgt Ion: 164 Resp: 86428

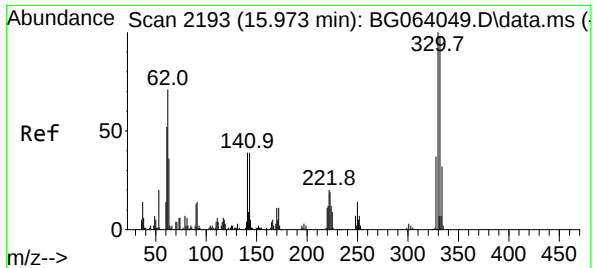
Ion Ratio Lower Upper

164 100

162 106.5 81.4 122.0

160 46.6 37.0 55.6

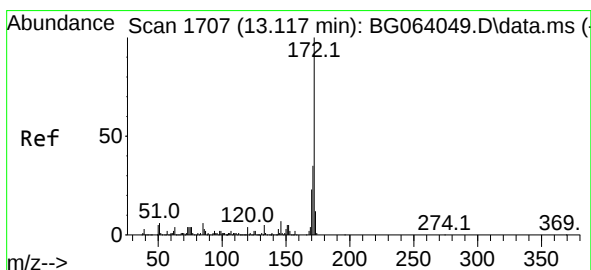
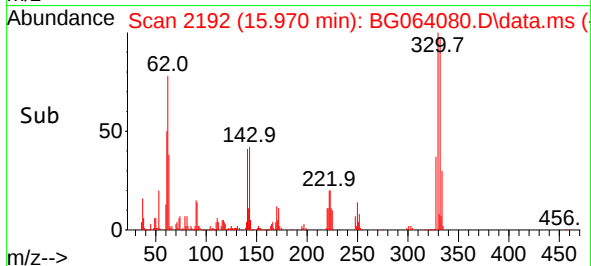
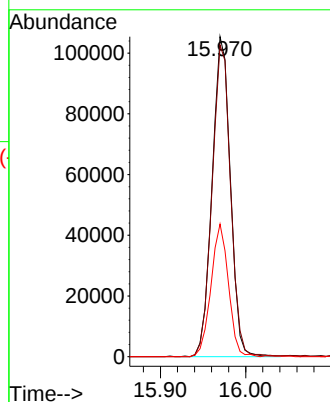
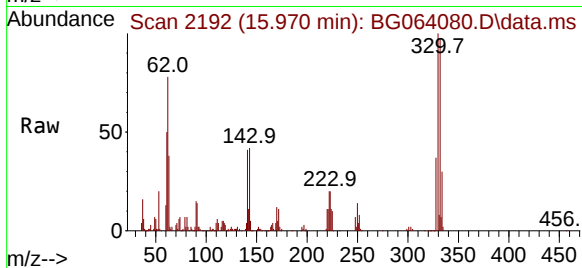




#42
2,4,6-Tribromophenol
Concen: 163.025 ng
RT: 15.970 min Scan# 2193
Delta R.T. -0.003 min
Lab File: BG064080.D
Acq: 10 Mar 2025 14:23

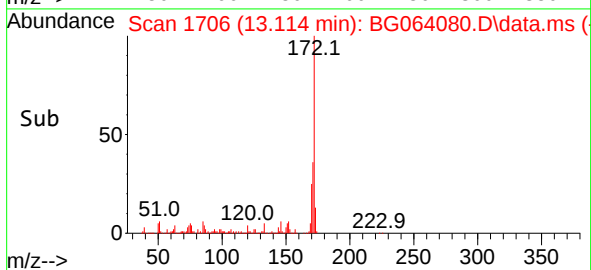
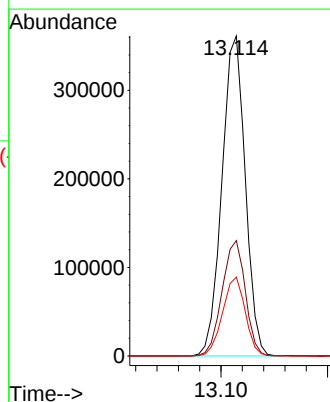
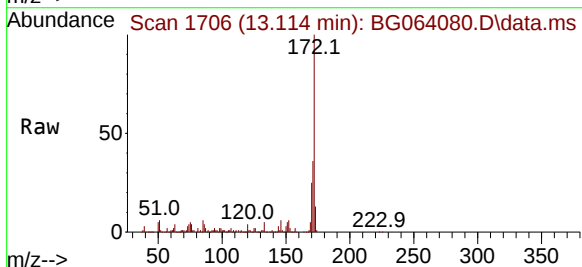
Instrument :
BNA_G
ClientSampleId :
ENV-104-SB01

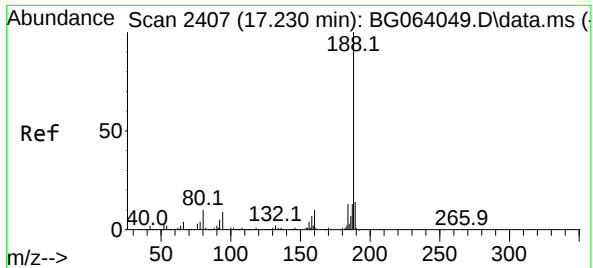
Tgt Ion:330 Resp: 156619
Ion Ratio Lower Upper
330 100
332 98.6 76.7 115.1
141 39.6 29.7 44.5



#45
2-Fluorobiphenyl
Concen: 96.308 ng
RT: 13.114 min Scan# 1706
Delta R.T. -0.003 min
Lab File: BG064080.D
Acq: 10 Mar 2025 14:23

Tgt Ion:172 Resp: 548379
Ion Ratio Lower Upper
172 100
171 36.1 28.0 42.0
170 24.7 18.7 28.1

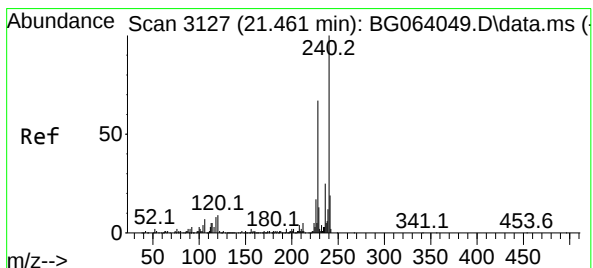
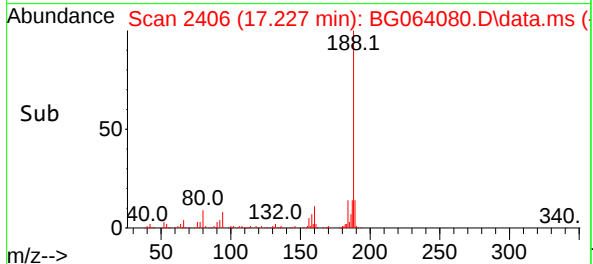
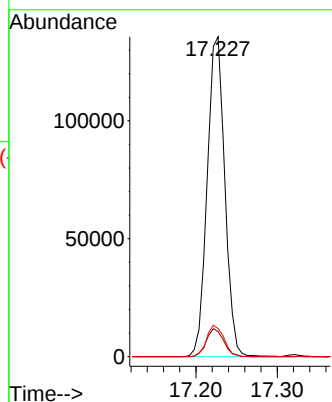
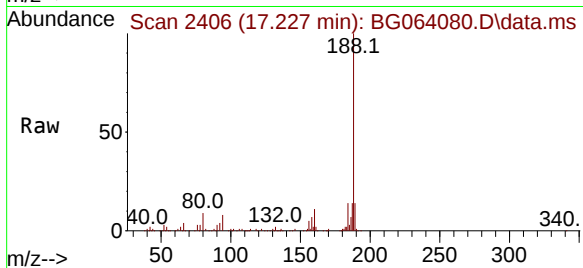




#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 17.227 min Scan# 2406
Delta R.T. -0.003 min
Lab File: BG064080.D
Acq: 10 Mar 2025 14:23

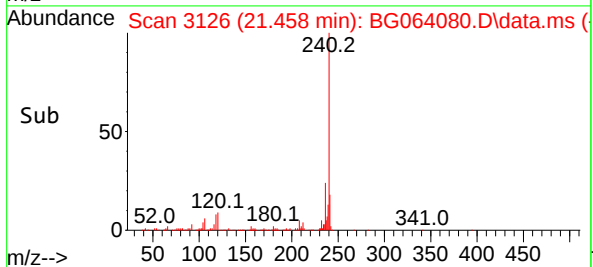
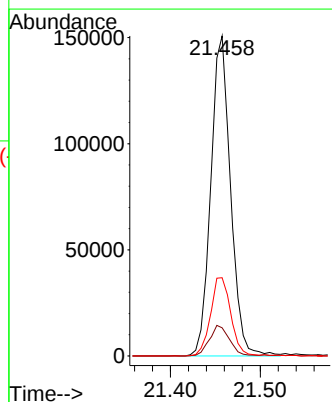
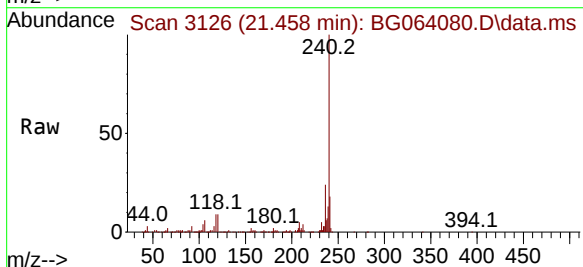
Instrument :
BNA_G
ClientSampleId :
ENV-104-SB01

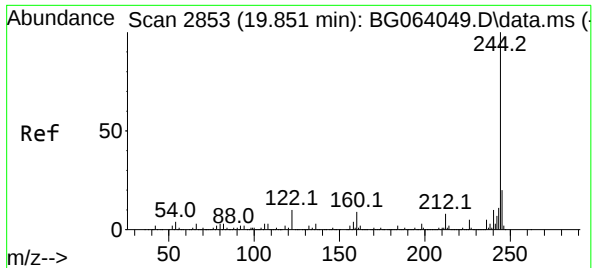
Tgt Ion:188 Resp: 203951
Ion Ratio Lower Upper
188 100
94 7.8 6.9 10.3
80 8.8 8.1 12.1



#76
Chrysene-d12
Concen: 20.000 ng
RT: 21.458 min Scan# 3126
Delta R.T. -0.003 min
Lab File: BG064080.D
Acq: 10 Mar 2025 14:23

Tgt Ion:240 Resp: 230232
Ion Ratio Lower Upper
240 100
120 8.8 7.2 10.8
236 24.4 20.2 30.2

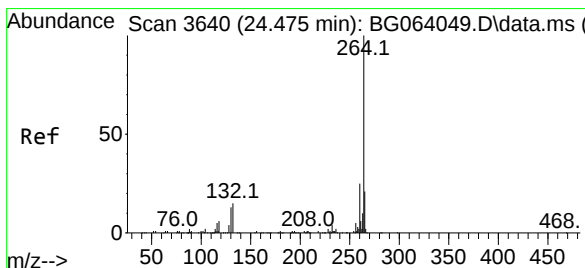
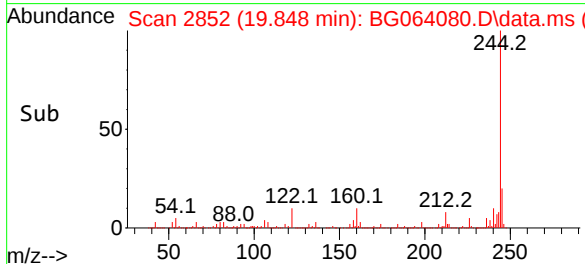
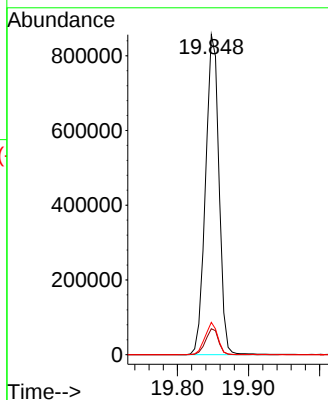
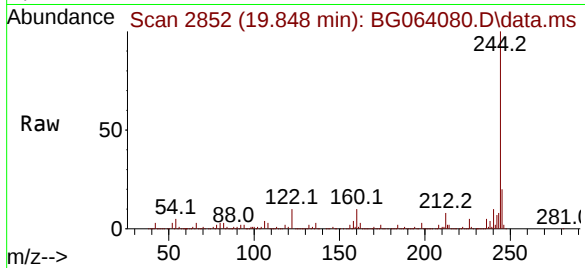




#79
Terphenyl-d14
Concen: 99.067 ng
RT: 19.848 min Scan# 21
Delta R.T. -0.003 min
Lab File: BG064080.D
Acq: 10 Mar 2025 14:23

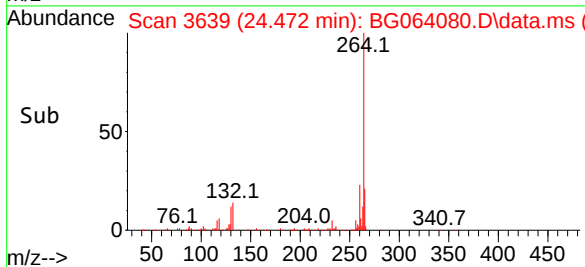
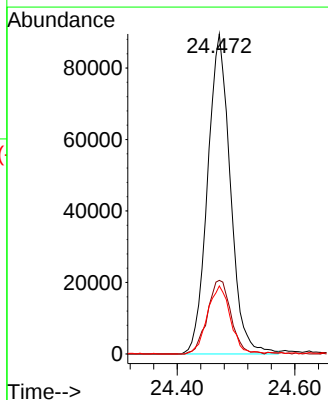
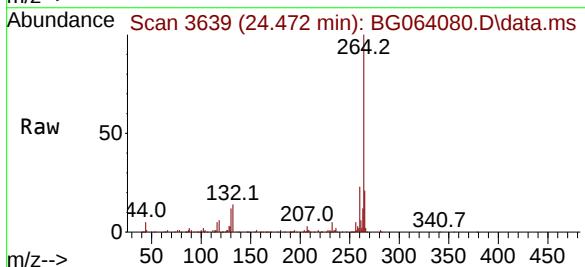
Instrument :
BNA_G
ClientSampleId :
ENV-104-SB01

Tgt Ion:244 Resp: 1128017
Ion Ratio Lower Upper
244 100
212 8.1 6.2 9.4
122 10.1 8.0 12.0



#86
Perylene-d12
Concen: 20.000 ng
RT: 24.472 min Scan# 3639
Delta R.T. -0.003 min
Lab File: BG064080.D
Acq: 10 Mar 2025 14:23

Tgt Ion:264 Resp: 240357
Ion Ratio Lower Upper
264 100
260 23.0 19.6 29.4
265 21.2 16.6 25.0



Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG031025\
Data File : BG064081.D
Acq On : 10 Mar 2025 15:04
Operator : RC/JU
Sample : Q1488-12
Misc :
ALS Vial : 10 Sample Multiplier: 1

Instrument :
BNA_G
ClientSampleId :
ENV-104-SB02

Quant Time: Mar 10 16:46:08 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_G\Methods\8270-BG030525.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Wed Mar 05 15:39:19 2025
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) 1,4-Dichlorobenzene-d4	7.861	152	32215	20.000	ng	0.00
21) Naphthalene-d8	10.651	136	132011	20.000	ng	0.00
39) Acenaphthene-d10	14.482	164	87599	20.000	ng	0.00
64) Phenanthrene-d10	17.226	188	206278	20.000	ng	0.00
76) Chrysene-d12	21.456	240	226436	20.000	ng	0.00
86) Perylene-d12	24.471	264	234414	20.000	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.457	112	291410	141.245	ng	0.00
7) Phenol-d6	7.032	99	347316	123.746	ng	0.00
23) Nitrobenzene-d5	9.018	82	260514	109.055	ng	0.00
42) 2,4,6-Tribromophenol	15.975	330	165587	170.055	ng	0.00
45) 2-Fluorobiphenyl	13.113	172	574775	99.595	ng	0.00
79) Terphenyl-d14	19.852	244	1190844	106.338	ng	0.00

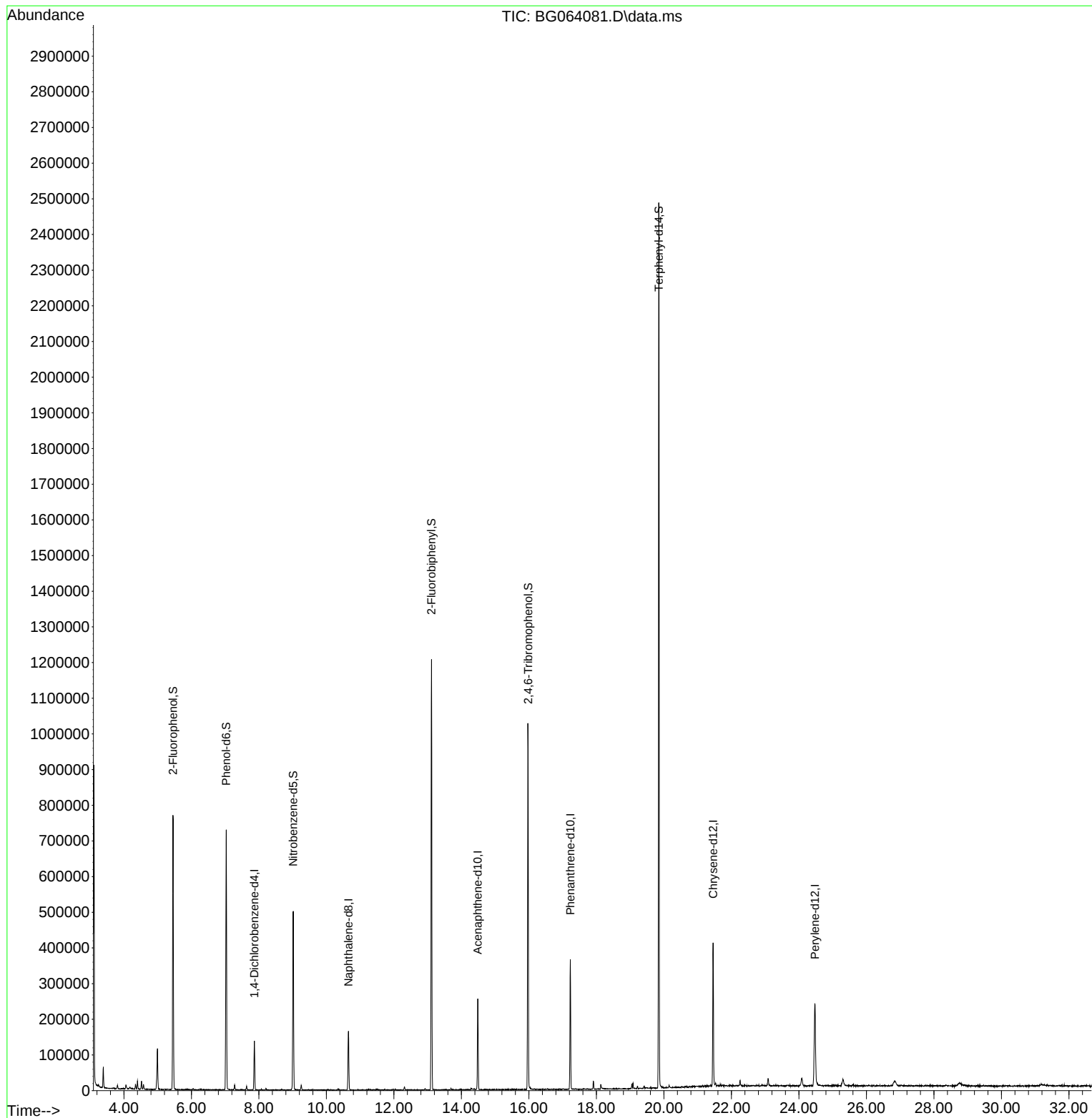
Target Compounds	Qvalue

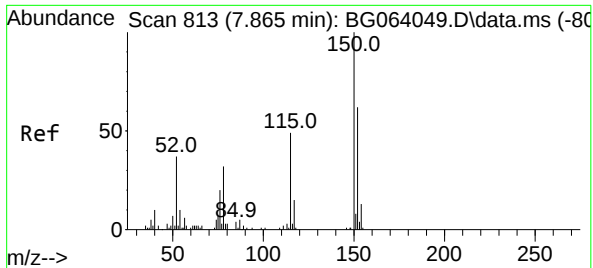
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG031025\
Data File : BG064081.D
Acq On : 10 Mar 2025 15:04
Operator : RC/JU
Sample : Q1488-12
Misc :
ALS Vial : 10 Sample Multiplier: 1

Instrument :
BNA_G
ClientSampleId :
ENV-104-SB02

Quant Time: Mar 10 16:46:08 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_G\Methods\8270-BG030525.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Wed Mar 05 15:39:19 2025
Response via : Initial Calibration

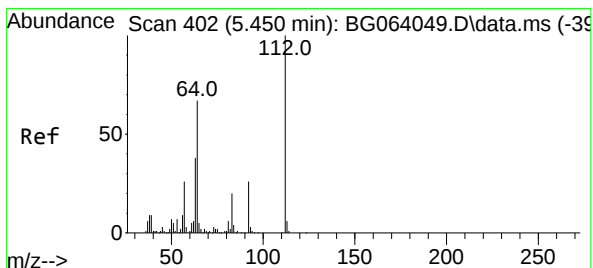
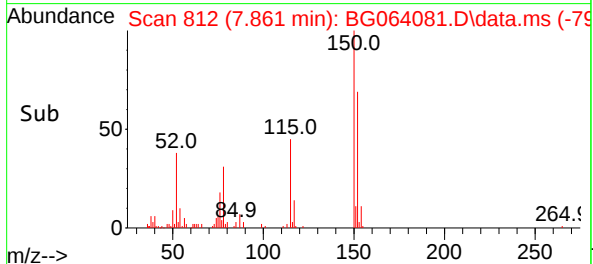
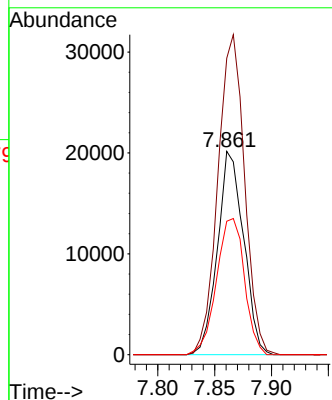
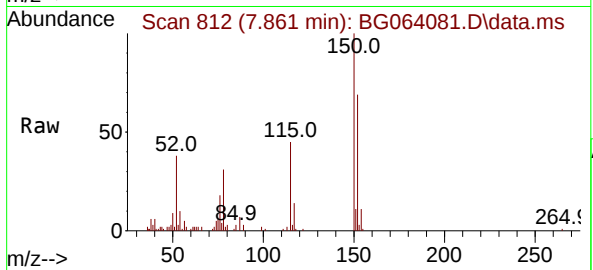




#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 7.861 min Scan# 813
Delta R.T. -0.004 min
Lab File: BG064081.D
Acq: 10 Mar 2025 15:04

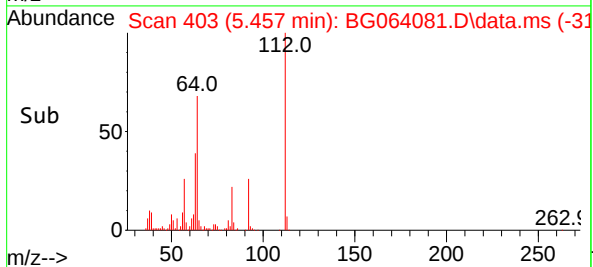
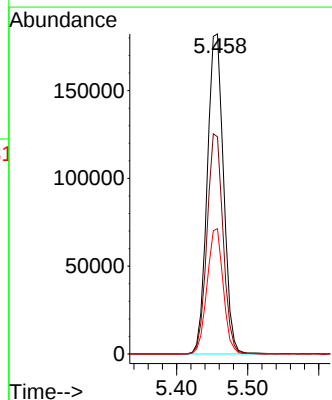
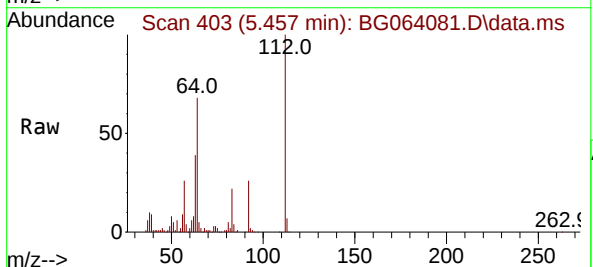
Instrument :
BNA_G
ClientSampleId :
ENV-104-SB02

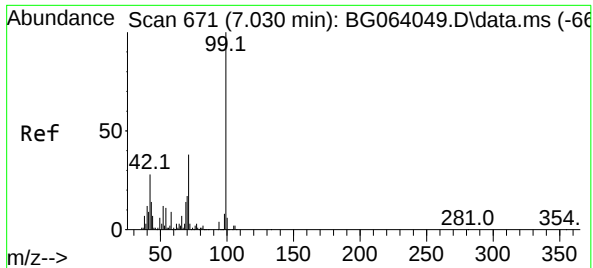
Tgt Ion	152	Resp	32215
Ion Ratio	Lower	Upper	
152	100		
150	145.8	129.2	193.8
115	65.6	63.0	94.6



#5
2-Fluorophenol
Concen: 141.245 ng
RT: 5.457 min Scan# 403
Delta R.T. 0.008 min
Lab File: BG064081.D
Acq: 10 Mar 2025 15:04

Tgt Ion	112	Resp	291410
Ion Ratio	Lower	Upper	
112	100		
64	67.8	53.7	80.5
63	39.1	30.2	45.4

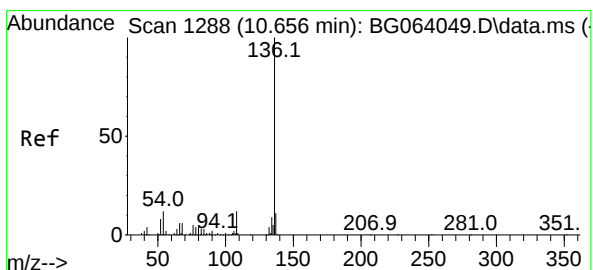
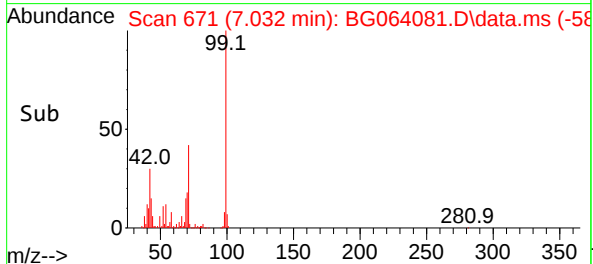
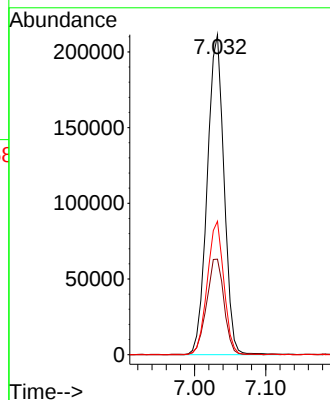
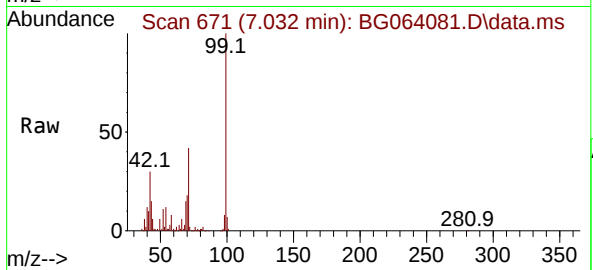




#7
Phenol-d6
Concen: 123.746 ng
RT: 7.032 min Scan# 61
Delta R.T. 0.002 min
Lab File: BG064081.D
Acq: 10 Mar 2025 15:04

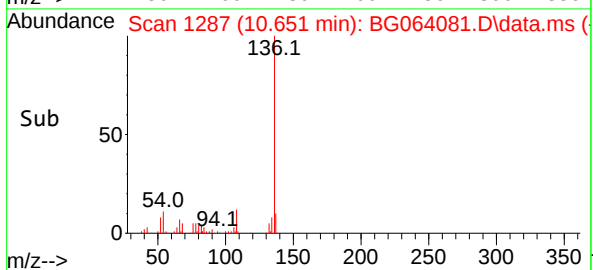
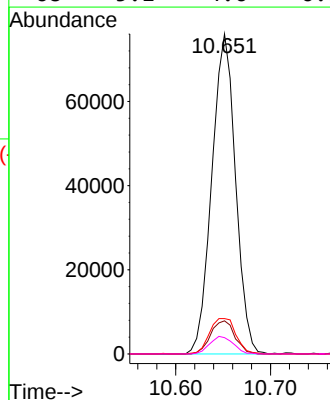
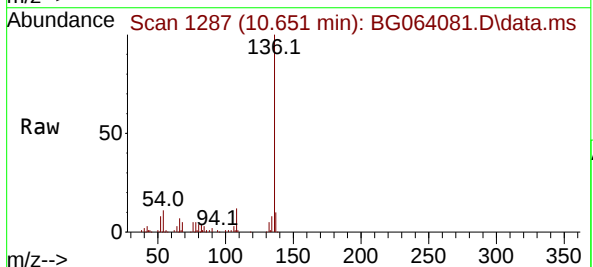
Instrument :
BNA_G
ClientSampleId :
ENV-104-SB02

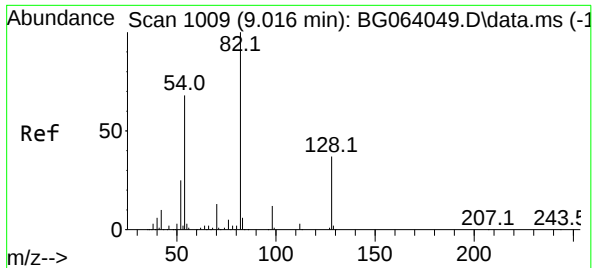
Tgt Ion: 99 Resp: 347316
Ion Ratio Lower Upper
99 100
42 29.9 22.7 34.1
71 41.7 30.6 46.0



#21
Naphthalene-d8
Concen: 20.000 ng
RT: 10.651 min Scan# 1287
Delta R.T. -0.005 min
Lab File: BG064081.D
Acq: 10 Mar 2025 15:04

Tgt Ion:136 Resp: 132011
Ion Ratio Lower Upper
136 100
137 10.3 8.5 12.7
54 11.1 9.9 14.9
68 5.1 4.6 6.8

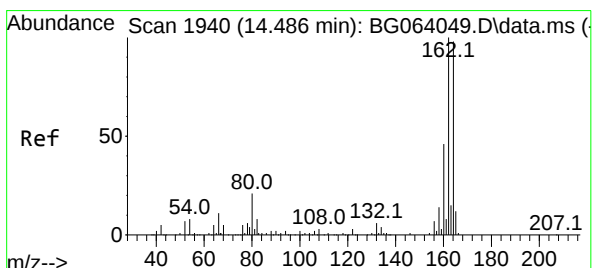
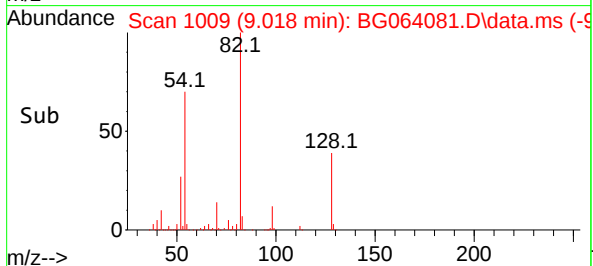
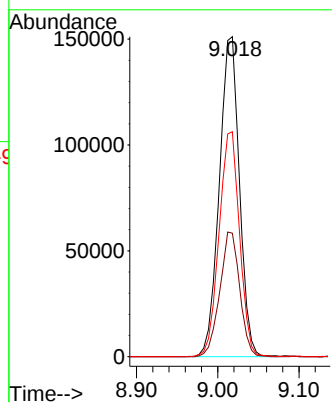
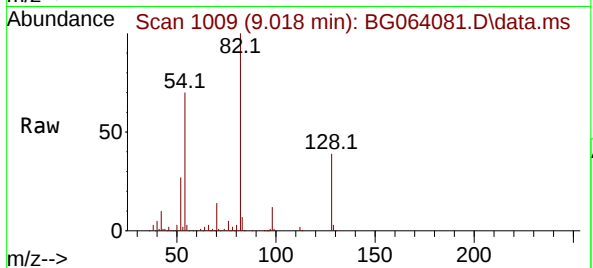




#23
Nitrobenzene-d5
Concen: 109.055 ng
RT: 9.018 min Scan# 1009
Delta R.T. 0.002 min
Lab File: BG064081.D
Acq: 10 Mar 2025 15:04

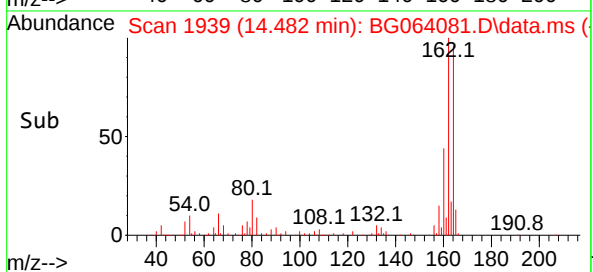
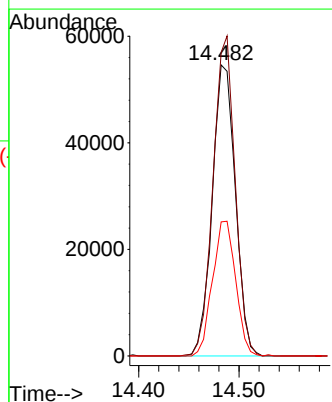
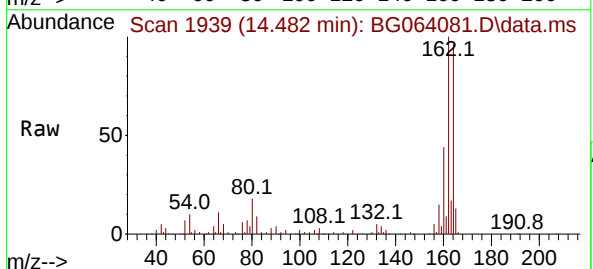
Instrument :
BNA_G
ClientSampleId :
ENV-104-SB02

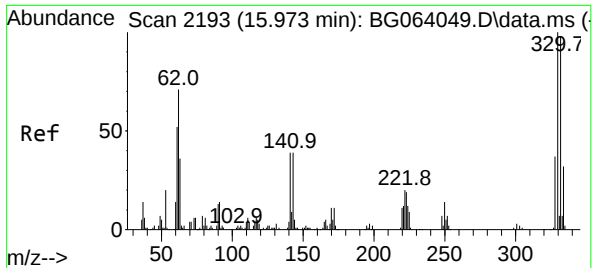
Tgt Ion: 82 Resp: 260514
Ion Ratio Lower Upper
82 100
128 38.6 30.0 45.0
54 70.3 54.7 82.1



#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 14.482 min Scan# 1939
Delta R.T. -0.004 min
Lab File: BG064081.D
Acq: 10 Mar 2025 15:04

Tgt Ion: 164 Resp: 87599
Ion Ratio Lower Upper
164 100
162 104.3 81.4 122.0
160 46.1 37.0 55.6





#42

2,4,6-Tribromophenol

Concen: 170.055 ng

RT: 15.975 min Scan# 21

Delta R.T. 0.002 min

Lab File: BG064081.D

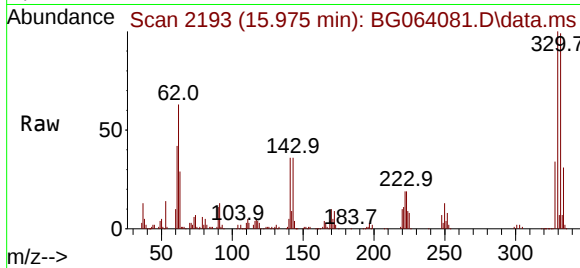
Acq: 10 Mar 2025 15:04

Instrument :

BNA_G

ClientSampleId :

ENV-104-SB02



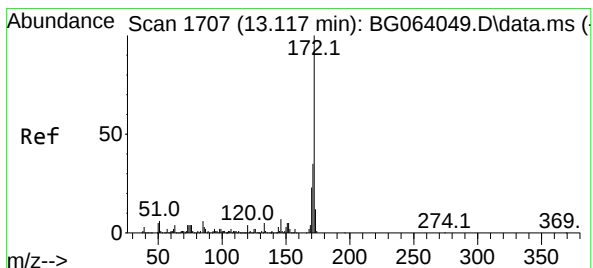
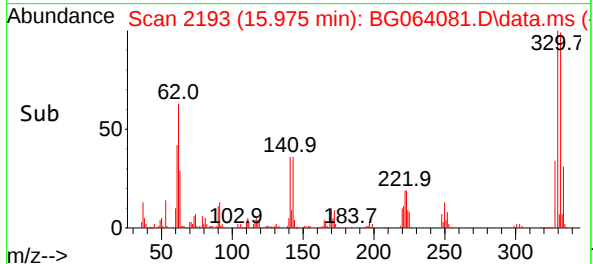
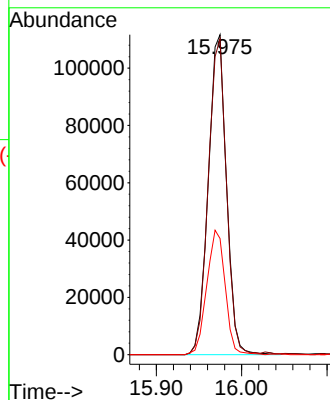
Tgt Ion:330 Resp: 165587

Ion Ratio Lower Upper

330 100

332 98.1 76.7 115.1

141 39.2 29.7 44.5



#45

2-Fluorobiphenyl

Concen: 99.595 ng

RT: 13.113 min Scan# 1706

Delta R.T. -0.004 min

Lab File: BG064081.D

Acq: 10 Mar 2025 15:04

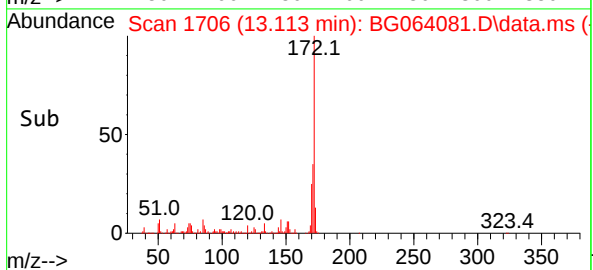
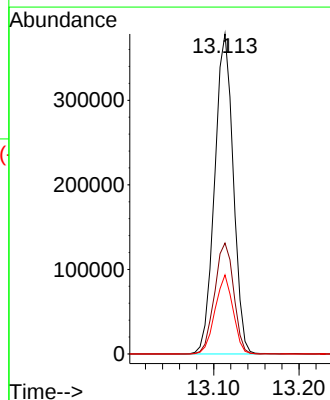
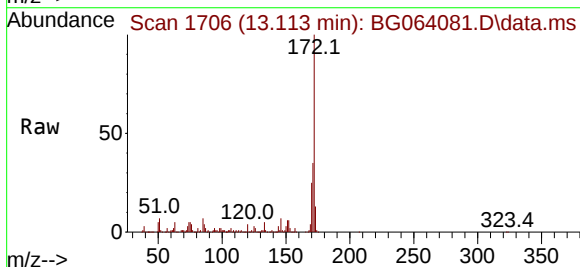
Tgt Ion:172 Resp: 574775

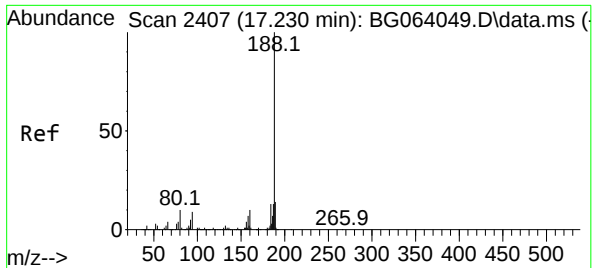
Ion Ratio Lower Upper

172 100

171 34.6 28.0 42.0

170 24.7 18.7 28.1

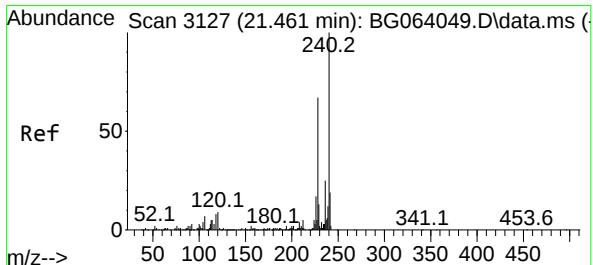
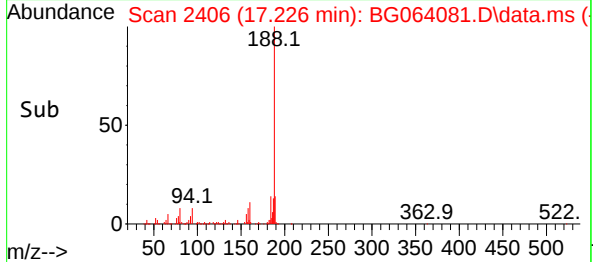
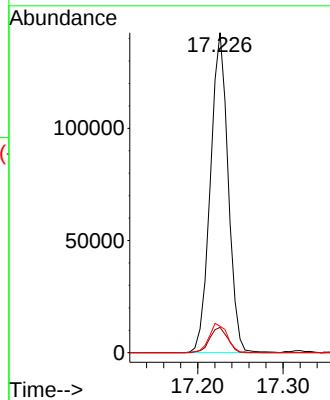
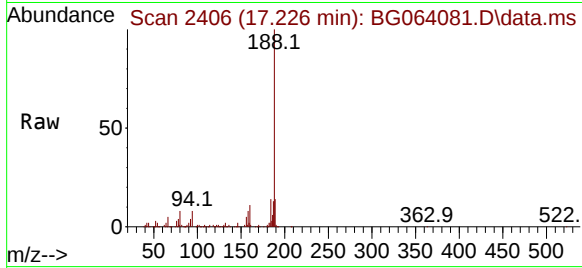




#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 17.226 min Scan# 2406
Delta R.T. -0.004 min
Lab File: BG064081.D
Acq: 10 Mar 2025 15:04

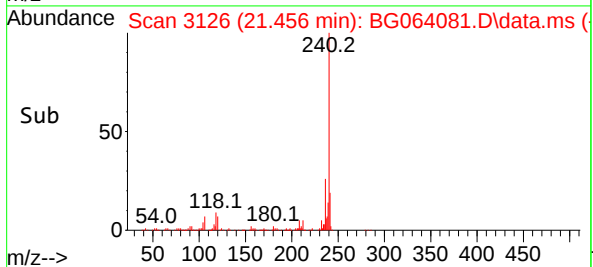
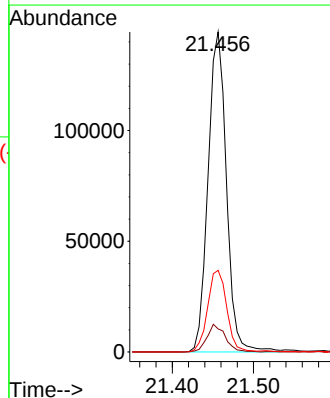
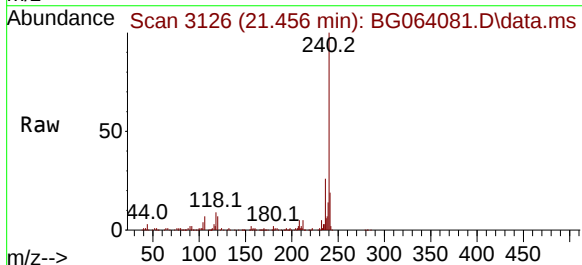
Instrument :
BNA_G
ClientSampleId :
ENV-104-SB02

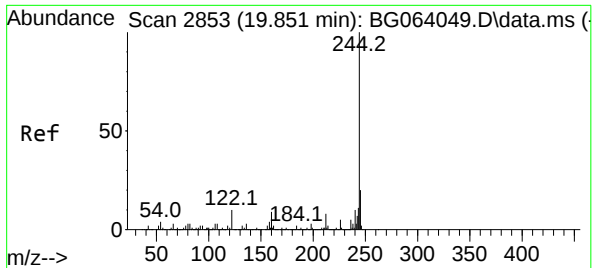
Tgt Ion	Ratio	Lower	Upper
188	100		
94	7.9	6.9	10.3
80	8.2	8.1	12.1



#76
Chrysene-d12
Concen: 20.000 ng
RT: 21.456 min Scan# 3126
Delta R.T. -0.004 min
Lab File: BG064081.D
Acq: 10 Mar 2025 15:04

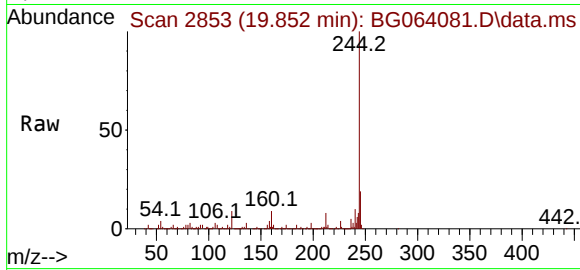
Tgt Ion	Ratio	Lower	Upper
240	100		
120	7.2	7.2	10.8
236	25.5	20.2	30.2



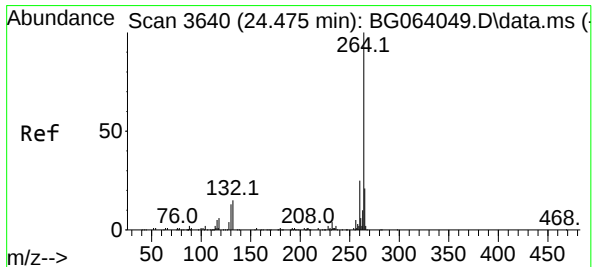
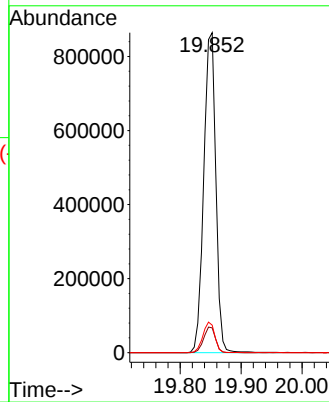
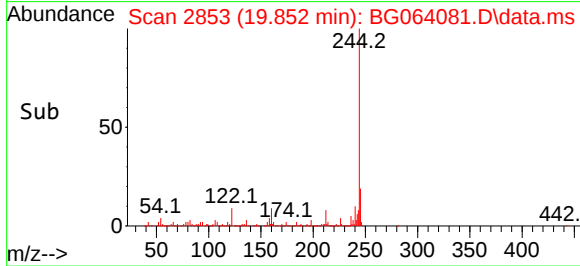


#79
 Terphenyl-d14
 Concen: 106.338 ng
 RT: 19.852 min Scan# 21
 Delta R.T. 0.002 min
 Lab File: BG064081.D
 Acq: 10 Mar 2025 15:04

Instrument :
 BNA_G
 ClientSampleId :
 ENV-104-SB02

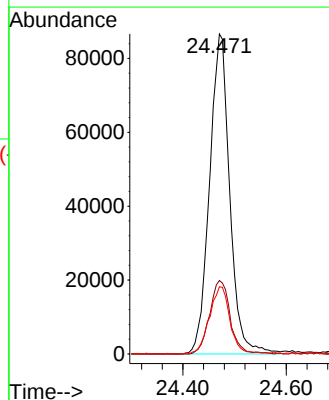
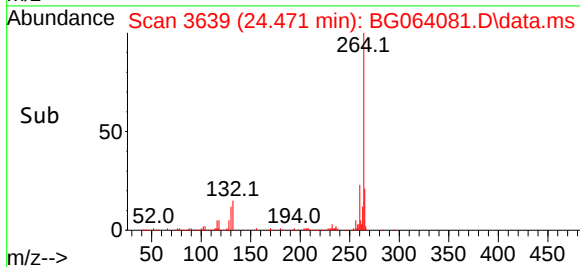
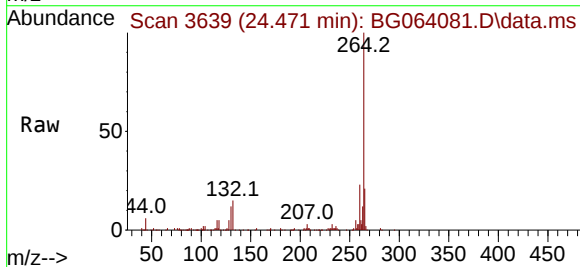


Tgt Ion:244 Resp: 1190844
 Ion Ratio Lower Upper
 244 100
 212 7.7 6.2 9.4
 122 8.6 8.0 12.0



#86
 Perylene-d12
 Concen: 20.000 ng
 RT: 24.471 min Scan# 3639
 Delta R.T. -0.004 min
 Lab File: BG064081.D
 Acq: 10 Mar 2025 15:04

Tgt Ion:264 Resp: 234414
 Ion Ratio Lower Upper
 264 100
 260 23.0 19.6 29.4
 265 21.0 16.6 25.0



Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG031025\
Data File : BG064074.D
Acq On : 10 Mar 2025 10:03
Operator : RC/JU
Sample : PB167035BL
Misc :
ALS Vial : 3 Sample Multiplier: 1

Instrument :
BNA_G
ClientSampleId :
PB167035BL

Quant Time: Mar 10 11:45:10 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_G\Methods\8270-BG030525.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Wed Mar 05 15:39:19 2025
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) 1,4-Dichlorobenzene-d4	7.858	152	32741	20.000	ng	0.00
21) Naphthalene-d8	10.649	136	140985	20.000	ng	0.00
39) Acenaphthene-d10	14.486	164	98023	20.000	ng	0.00
64) Phenanthrene-d10	17.224	188	230921	20.000	ng	0.00
76) Chrysene-d12	21.454	240	233034	20.000	ng	0.00
86) Perylene-d12	24.468	264	246222	20.000	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.449	112	297876	142.060	ng	0.00
7) Phenol-d6	7.030	99	386605	135.531	ng	0.00
23) Nitrobenzene-d5	9.016	82	247498	97.012	ng	0.00
42) 2,4,6-Tribromophenol	15.972	330	163199	149.780	ng	0.00
45) 2-Fluorobiphenyl	13.111	172	611388	94.673	ng	0.00
79) Terphenyl-d14	19.850	244	1126387	97.735	ng	0.00

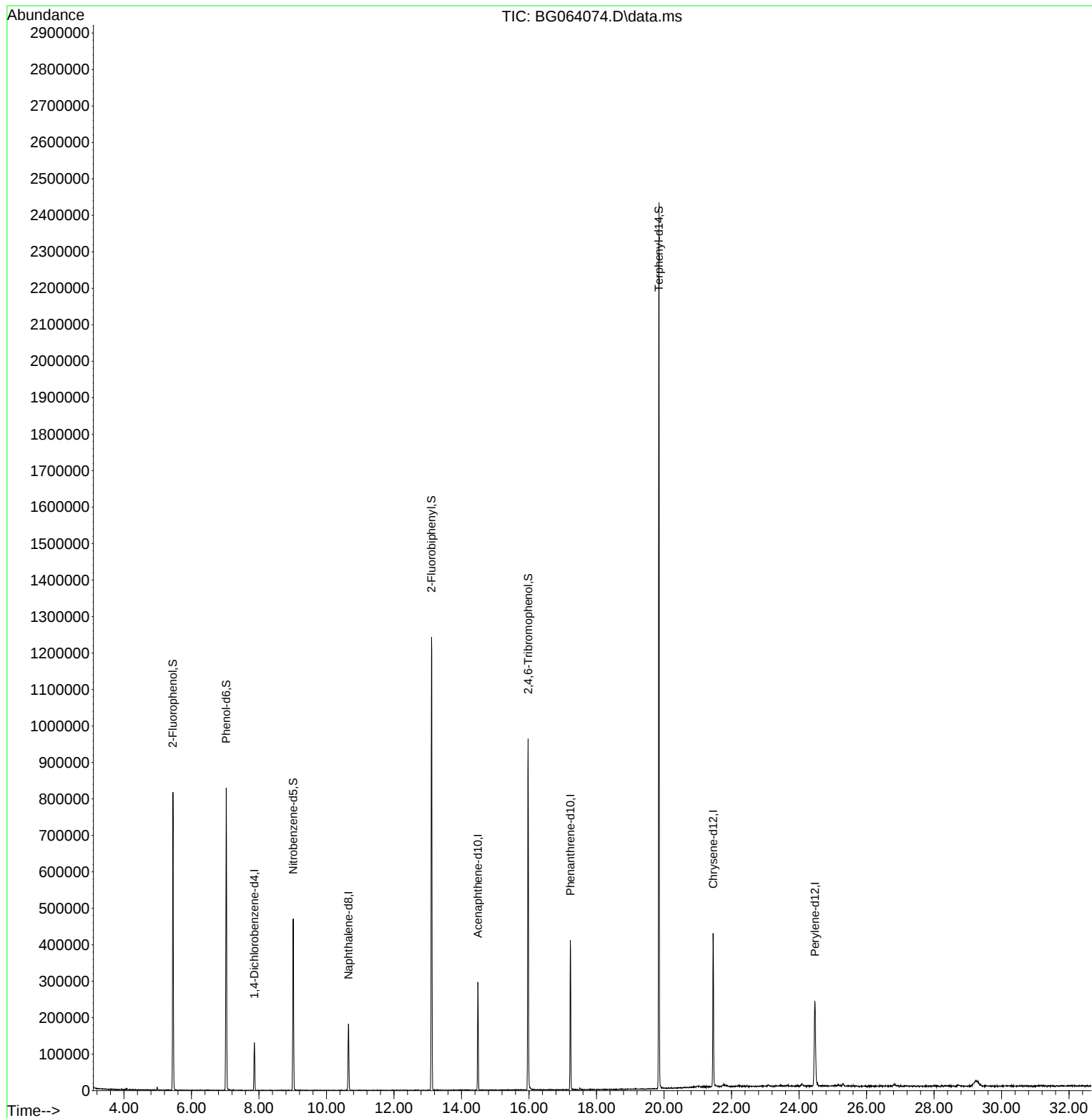
Target Compounds	Qvalue

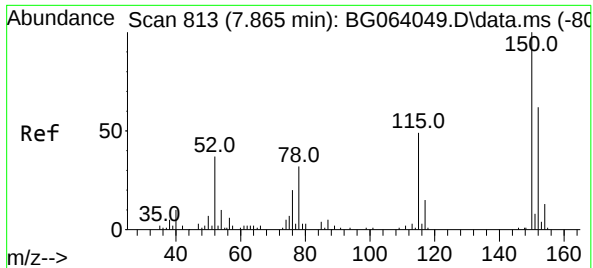
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG031025\
Data File : BG064074.D
Acq On : 10 Mar 2025 10:03
Operator : RC/JU
Sample : PB167035BL
Misc :
ALS Vial : 3 Sample Multiplier: 1

Instrument :
BNA_G
ClientSampleId :
PB167035BL

Quant Time: Mar 10 11:45:10 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_G\Methods\8270-BG030525.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Wed Mar 05 15:39:19 2025
Response via : Initial Calibration

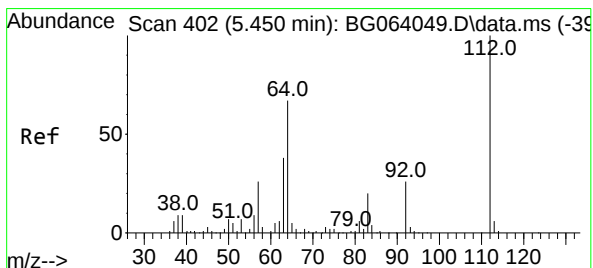
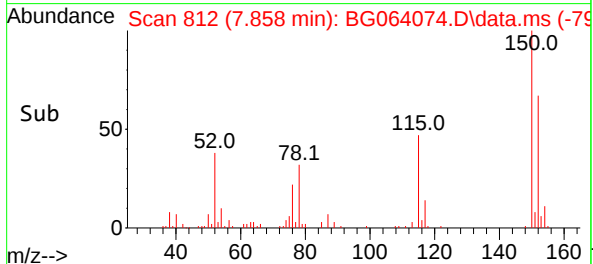
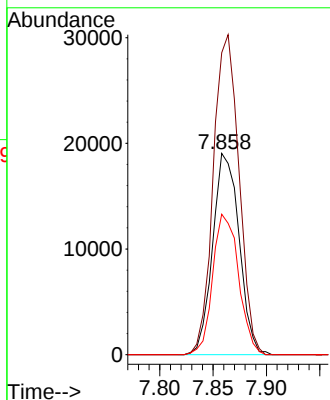
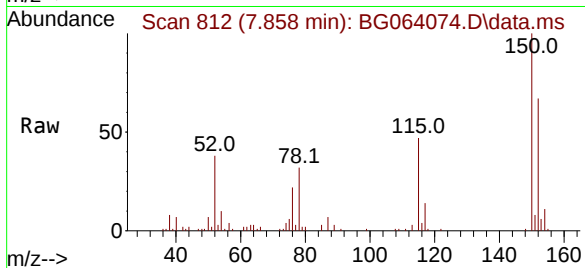




#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 7.858 min Scan# 813
Delta R.T. -0.007 min
Lab File: BG064074.D
Acq: 10 Mar 2025 10:03

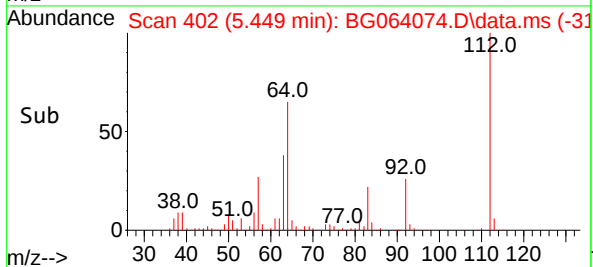
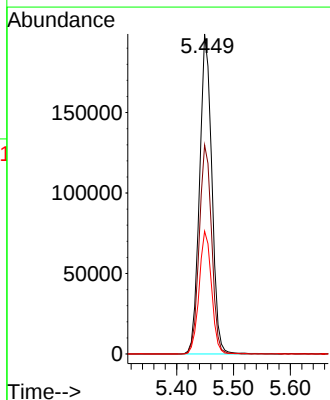
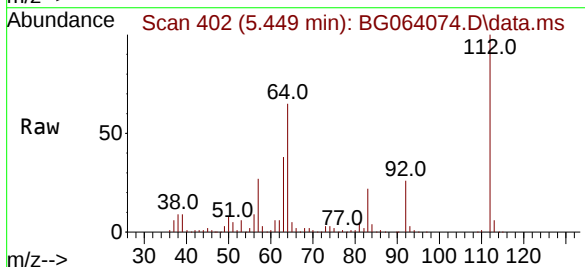
Instrument :
BNA_G
ClientSampleId :
PB167035BL

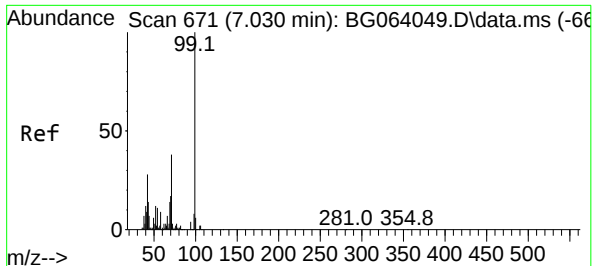
Tgt Ion:152 Resp: 32741
Ion Ratio Lower Upper
152 100
150 150.1 129.2 193.8
115 69.8 63.0 94.6



#5
2-Fluorophenol
Concen: 142.060 ng
RT: 5.449 min Scan# 402
Delta R.T. -0.001 min
Lab File: BG064074.D
Acq: 10 Mar 2025 10:03

Tgt Ion:112 Resp: 297876
Ion Ratio Lower Upper
112 100
64 65.3 53.7 80.5
63 38.3 30.2 45.4

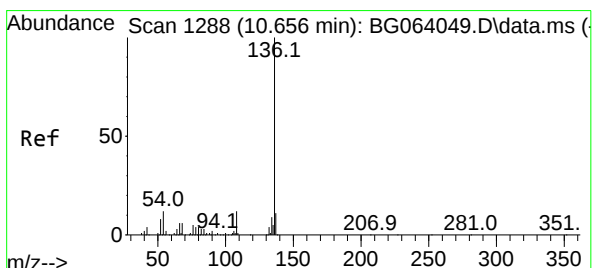
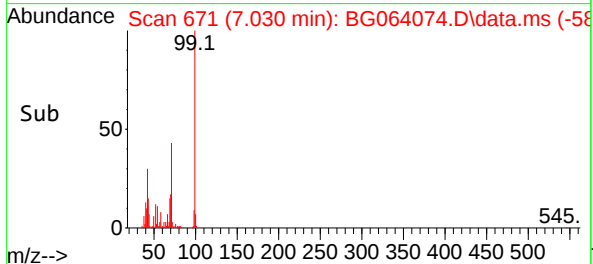
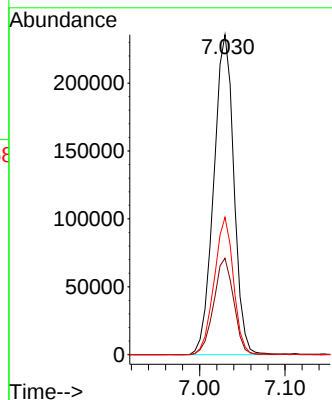
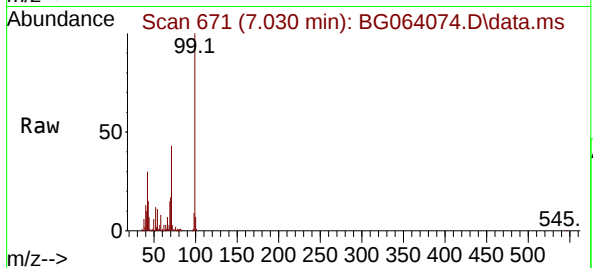




#7
Phenol-d6
Concen: 135.531 ng
RT: 7.030 min Scan# 61
Delta R.T. -0.001 min
Lab File: BG064074.D
Acq: 10 Mar 2025 10:03

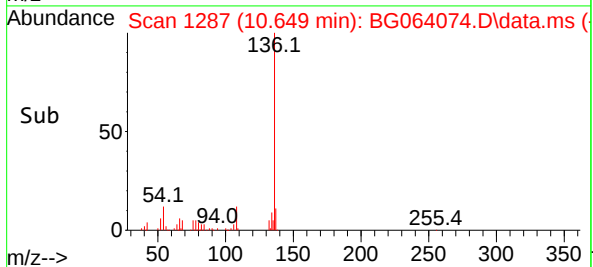
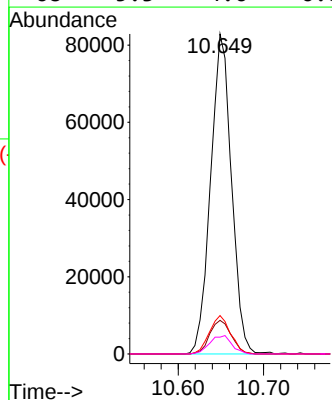
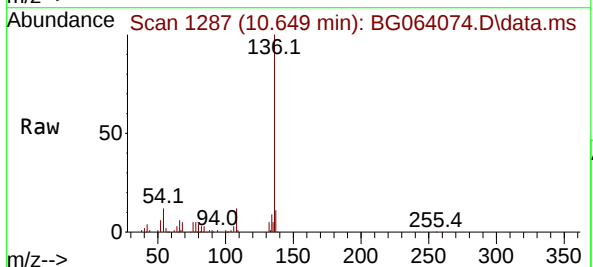
Instrument :
BNA_G
ClientSampleId :
PB167035BL

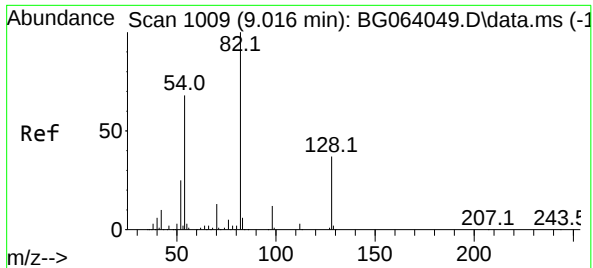
Tgt Ion: 99 Resp: 386605
Ion Ratio Lower Upper
99 100
42 30.2 22.7 34.1
71 42.9 30.6 46.0



#21
Naphthalene-d8
Concen: 20.000 ng
RT: 10.649 min Scan# 1287
Delta R.T. -0.007 min
Lab File: BG064074.D
Acq: 10 Mar 2025 10:03

Tgt Ion: 136 Resp: 140985
Ion Ratio Lower Upper
136 100
137 10.5 8.5 12.7
54 12.0 9.9 14.9
68 5.3 4.6 6.8





#23

Nitrobenzene-d5

Concen: 97.012 ng

RT: 9.016 min Scan# 1009

Delta R.T. -0.001 min

Lab File: BG064074.D

Acq: 10 Mar 2025 10:03

Instrument :

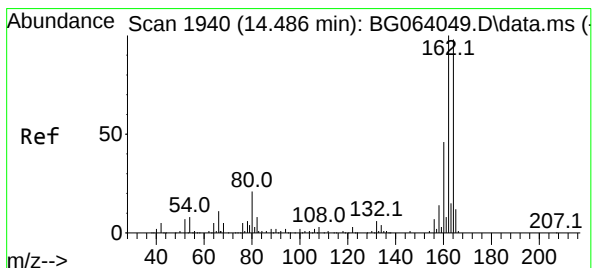
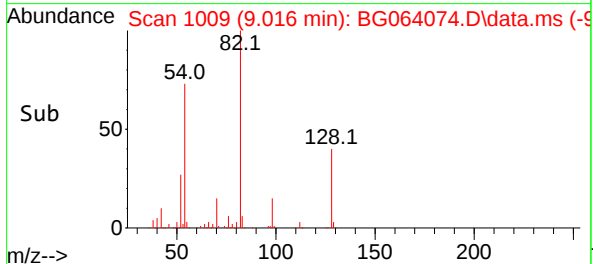
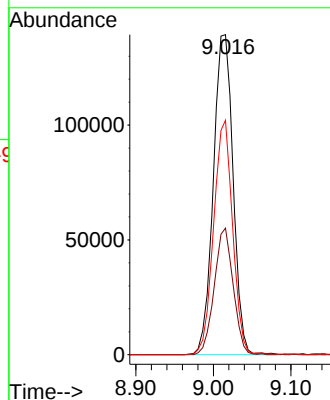
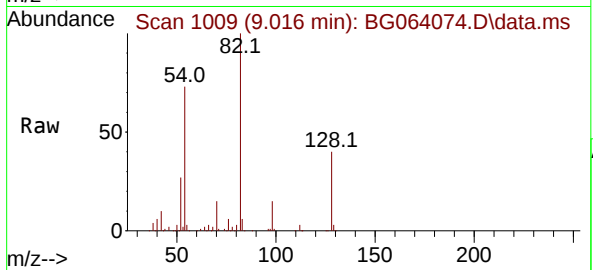
BNA_G

ClientSampleId :

PB167035BL

Tgt Ion: 82 Resp: 247498

Ion	Ratio	Lower	Upper
82	100		
128	39.5	30.0	45.0
54	73.2	54.7	82.1



#39

Acenaphthene-d10

Concen: 20.000 ng

RT: 14.486 min Scan# 1940

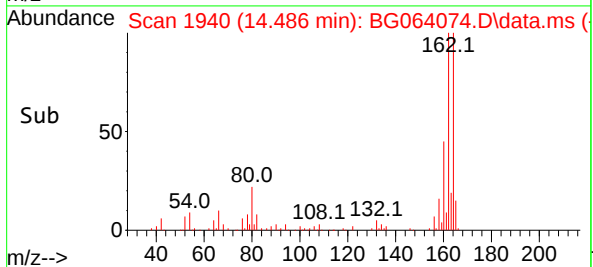
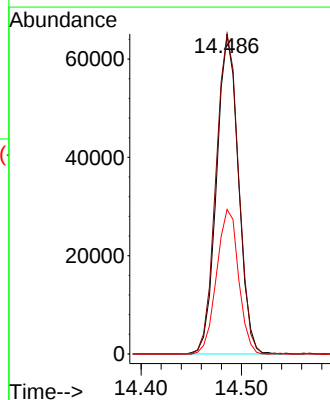
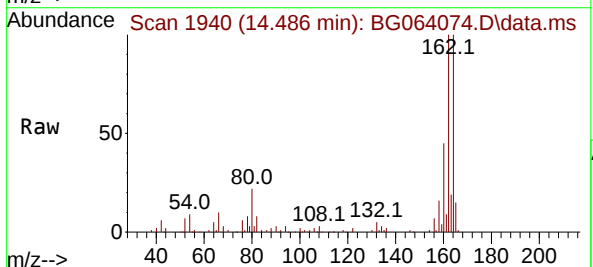
Delta R.T. -0.000 min

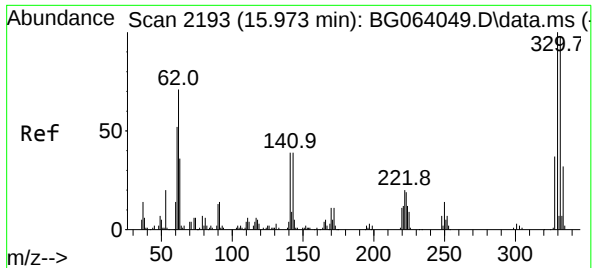
Lab File: BG064074.D

Acq: 10 Mar 2025 10:03

Tgt Ion: 164 Resp: 98023

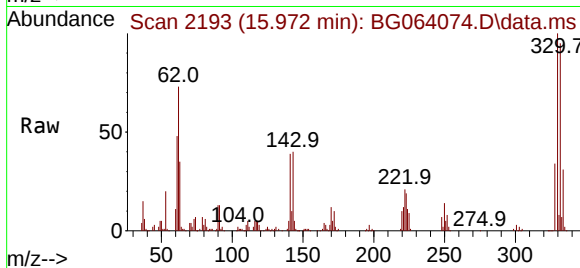
Ion	Ratio	Lower	Upper
164	100		
162	100.4	81.4	122.0
160	45.4	37.0	55.6



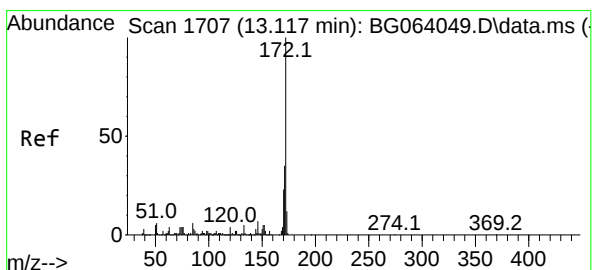
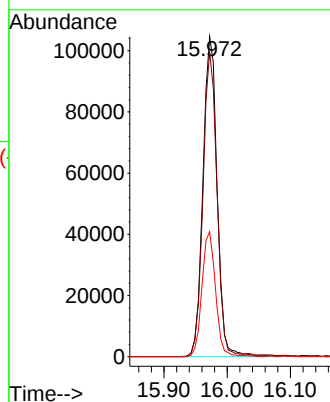
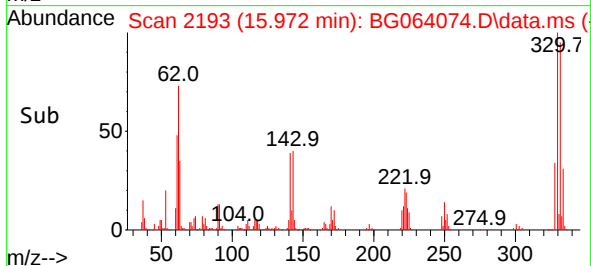


#42
2,4,6-Tribromophenol
Concen: 149.780 ng
RT: 15.972 min Scan# 2193
Delta R.T. -0.001 min
Lab File: BG064074.D
Acq: 10 Mar 2025 10:03

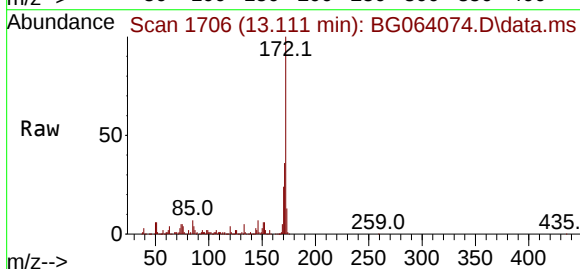
Instrument :
BNA_G
ClientSampleId :
PB167035BL



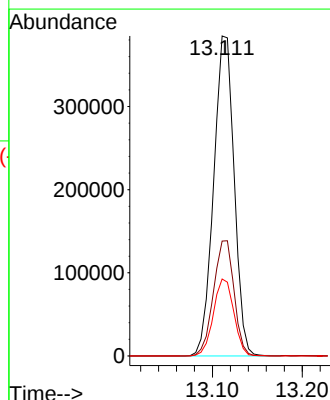
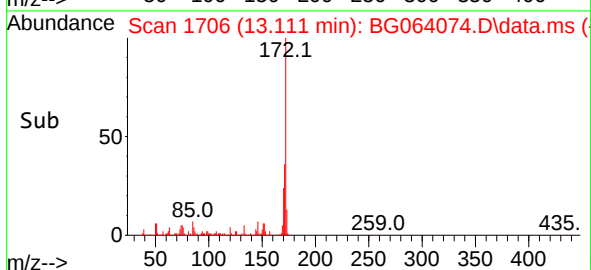
Tgt Ion:330 Resp: 163199
Ion Ratio Lower Upper
330 100
332 94.1 76.7 115.1
141 37.4 29.7 44.5

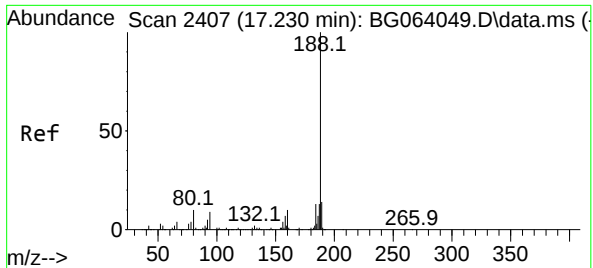


#45
2-Fluorobiphenyl
Concen: 94.673 ng
RT: 13.111 min Scan# 1706
Delta R.T. -0.007 min
Lab File: BG064074.D
Acq: 10 Mar 2025 10:03



Tgt Ion:172 Resp: 611388
Ion Ratio Lower Upper
172 100
171 35.9 28.0 42.0
170 24.1 18.7 28.1

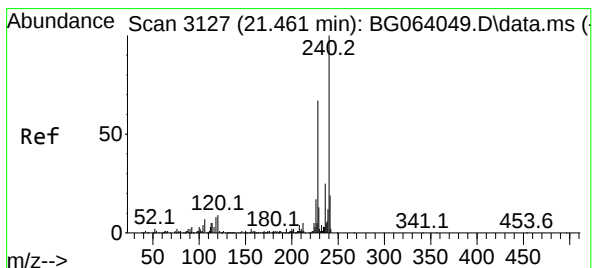
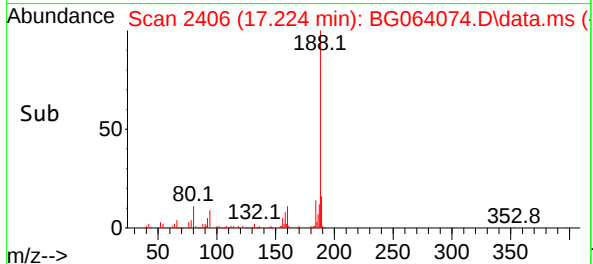
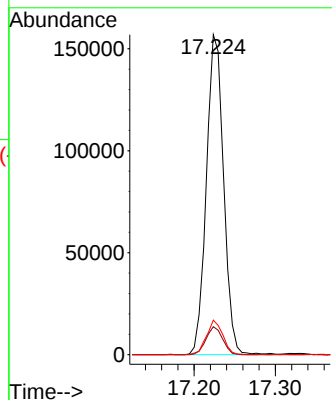
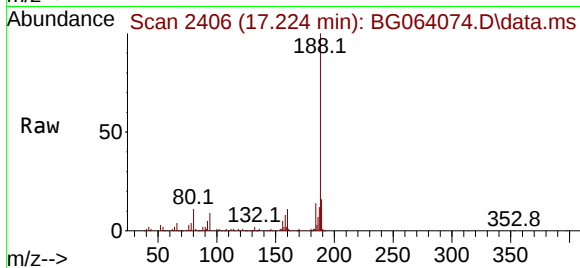




#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 17.224 min Scan# 2406
Delta R.T. -0.006 min
Lab File: BG064074.D
Acq: 10 Mar 2025 10:03

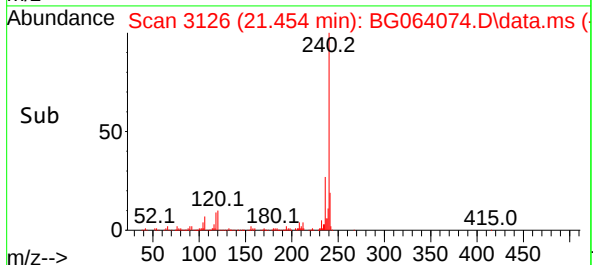
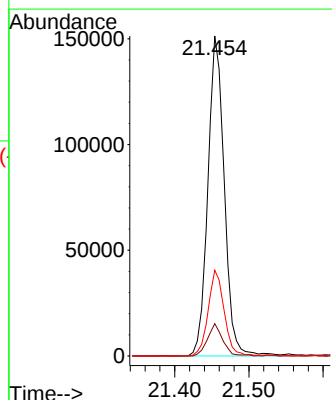
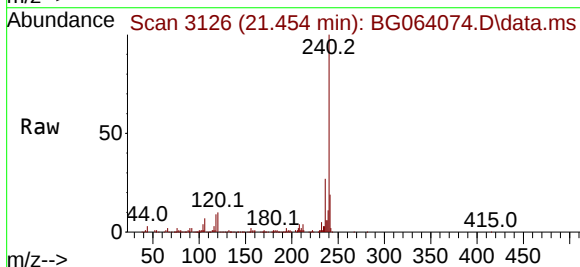
Instrument :
BNA_G
ClientSampleId :
PB167035BL

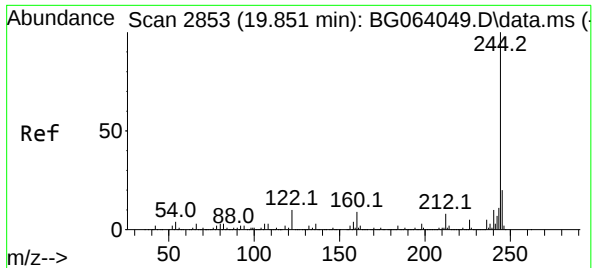
Tgt Ion:188	Resp: 230921
Ion Ratio	Lower Upper
188	100
94	8.8 6.9 10.3
80	10.8 8.1 12.1



#76
Chrysene-d12
Concen: 20.000 ng
RT: 21.454 min Scan# 3126
Delta R.T. -0.007 min
Lab File: BG064074.D
Acq: 10 Mar 2025 10:03

Tgt Ion:240	Resp: 233034
Ion Ratio	Lower Upper
240	100
120	10.1 7.2 10.8
236	26.8 20.2 30.2

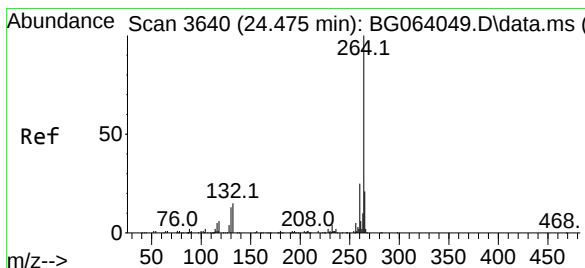
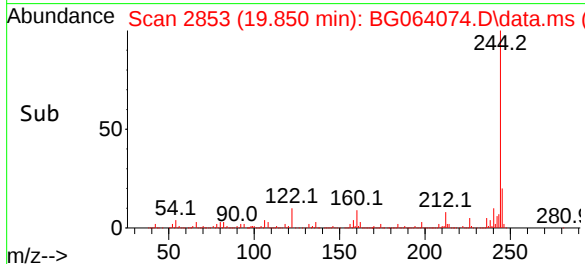
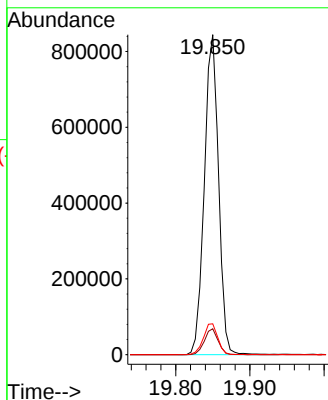
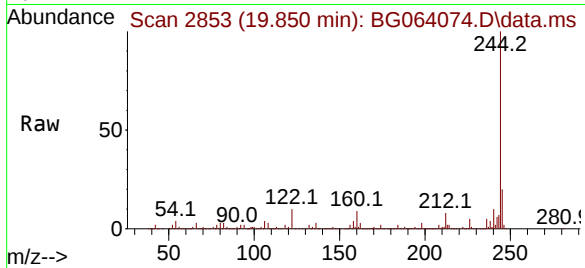




#79
Terphenyl-d14
Concen: 97.735 ng
RT: 19.850 min Scan# 21
Delta R.T. -0.001 min
Lab File: BG064074.D
Acq: 10 Mar 2025 10:03

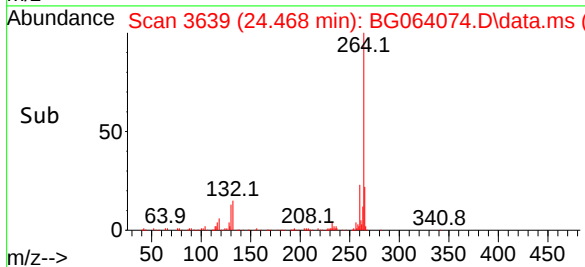
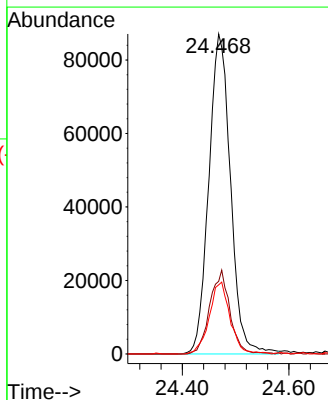
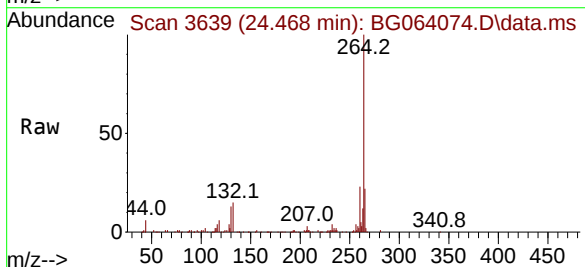
Instrument :
BNA_G
ClientSampleId :
PB167035BL

Tgt Ion:244 Resp: 1126387
Ion Ratio Lower Upper
244 100
212 8.1 6.2 9.4
122 9.7 8.0 12.0



#86
Perylene-d12
Concen: 20.000 ng
RT: 24.468 min Scan# 3639
Delta R.T. -0.007 min
Lab File: BG064074.D
Acq: 10 Mar 2025 10:03

Tgt Ion:264 Resp: 246222
Ion Ratio Lower Upper
264 100
260 22.7 19.6 29.4
265 21.6 16.6 25.0



Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG031025\
 Data File : BG064075.D
 Acq On : 10 Mar 2025 10:44
 Operator : RC/JU
 Sample : PB167035BS
 Misc :
 ALS Vial : 4 Sample Multiplier: 1

Instrument :

BNA_G

ClientSampleId :

PB167035BS

Manual Integrations

APPROVED

Reviewed By :Anahy Claudio 03/11/2025

Supervised By :Jagrut Upadhyay 03/11/2025

Quant Time: Mar 10 12:22:36 2025

Quant Method : Z:\svoasrv\HPCHEM1\BNA_G\Methods\8270-BG030525.M

Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

QLast Update : Wed Mar 05 15:39:19 2025

Response via : Initial Calibration

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

Internal Standards						
1) 1,4-Dichlorobenzene-d4	7.862	152	35194	20.000	ng	# 0.00
21) Naphthalene-d8	10.647	136	154810	20.000	ng	0.00
39) Acenaphthene-d10	14.484	164	106817	20.000	ng	0.00
64) Phenanthrene-d10	17.228	188	235208	20.000	ng	0.00
76) Chrysene-d12	21.458	240	237204	20.000	ng	0.00
86) Perylene-d12	24.472	264	255311	20.000	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.453	112	312176	138.503	ng	0.00
7) Phenol-d6	7.034	99	419514	136.817	ng	0.00
23) Nitrobenzene-d5	9.014	82	271257	96.830	ng	0.00
42) 2,4,6-Tribromophenol	15.976	330	182401	153.621	ng	0.00
45) 2-Fluorobiphenyl	13.115	172	652866	92.773	ng	0.00
79) Terphenyl-d14	19.848	244	1140903	97.254	ng	0.00
Target Compounds						Qvalue
2) 1,4-Dioxane	3.367	88	39346	38.518	ng	94
3) Pyridine	3.749	79	97422	39.216	ng	98
4) n-Nitrosodimethylamine	3.667	42	84337	47.515	ng	# 96
6) Aniline	7.192	93	112017	37.230	ng	98
8) 2-Chlorophenol	7.427	128	107800	44.532	ng	98
9) Benzaldehyde	6.998	77	38322m	21.489	ng	
10) Phenol	7.057	94	140681	44.812	ng	95
11) bis(2-Chloroethyl)ether	7.286	93	99871	40.578	ng	100
12) 1,3-Dichlorobenzene	7.756	146	108395	40.776	ng	97
13) 1,4-Dichlorobenzene	7.897	146	112149	41.159	ng	99
14) 1,2-Dichlorobenzene	8.215	146	108249	41.200	ng	97
15) Benzyl Alcohol	8.097	79	106765	45.059	ng	91
16) 2,2'-oxybis(1-Chloropr...	8.385	45	230210m	41.598	ng	
17) 2-Methylphenol	8.303	107	94962	45.577	ng	97
18) Hexachloroethane	8.943	117	42241	44.309	ng	98
19) n-Nitroso-di-n-propyla...	8.667	70	88518	41.135	ng	96
20) 3+4-Methylphenols	8.626	107	132073	46.044	ng	91
22) Acetophenone	8.679	105	192747	45.410	ng	# 99
24) Nitrobenzene	9.055	77	129434	44.708	ng	96
25) Isophorone	9.578	82	242957	43.330	ng	96
26) 2-Nitrophenol	9.766	139	45482	45.930	ng	95
27) 2,4-Dimethylphenol	9.825	122	98186	58.412	ng	93
28) bis(2-Chloroethoxy)met...	10.065	93	141763	41.702	ng	98
29) 2,4-Dichlorophenol	10.295	162	100351	47.279	ng	97
30) 1,2,4-Trichlorobenzene	10.518	180	107016	41.766	ng	98
31) Naphthalene	10.700	128	346205	41.473	ng	99
32) Benzoic acid	9.971	122	68746m	45.164	ng	
33) 4-Chloroaniline	10.806	127	59743	19.581	ng	97
34) Hexachlorobutadiene	10.994	225	72884	43.397	ng	97
35) Caprolactam	11.570	113	41781m	51.367	ng	
36) 4-Chloro-3-methylphenol	11.928	107	124775	44.847	ng	99
37) 2-Methylnaphthalene	12.310	142	244676	41.518	ng	97
38) 1-Methylnaphthalene	12.527	142	241268	41.788	ng	98
40) 1,2,4,5-Tetrachloroben...	12.680	216	142467	46.717	ng	# 96
41) Hexachlorocyclopentadiene	12.662	237	161060	187.650	ng	99
43) 2,4,6-Trichlorophenol	12.915	196	90250	50.214	ng	93

Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG031025\
 Data File : BG064075.D
 Acq On : 10 Mar 2025 10:44
 Operator : RC/JU
 Sample : PB167035BS
 Misc :
 ALS Vial : 4 Sample Multiplier: 1

Instrument :

BNA_G

ClientSampleId :

PB167035BS

Manual Integrations

APPROVED

Reviewed By :Anahy Claudio 03/11/2025

Supervised By :Jagrut Upadhyay 03/11/2025

Quant Time: Mar 10 12:22:36 2025

Quant Method : Z:\svoasrv\HPCHEM1\BNA_G\Methods\8270-BG030525.M

Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

QLast Update : Wed Mar 05 15:39:19 2025

Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
44) 2,4,5-Trichlorophenol	12.986	196	97202	48.673	ng	97
46) 1,1'-Biphenyl	13.320	154	393645	48.778	ng	99
47) 2-Chloronaphthalene	13.362	162	259563	44.100	ng	99
48) 2-Nitroaniline	13.561	65	91303	46.946	ng	94
49) Acenaphthylene	14.208	152	423420	45.482	ng	100
50) Dimethylphthalate	13.949	163	337492	42.802	ng	100
51) 2,6-Dinitrotoluene	14.061	165	69943	44.023	ng	98
52) Acenaphthene	14.554	154	266063	42.585	ng	99
53) 3-Nitroaniline	14.384	138	44978	29.514	ng	99
54) 2,4-Dinitrophenol	14.595	184	60584	89.770	ng	91
55) Dibenzofuran	14.889	168	417547	41.254	ng	100
56) 4-Nitrophenol	14.695	139	130121	101.809	ng	94
57) 2,4-Dinitrotoluene	14.848	165	102503	46.559	ng	# 97
58) Fluorene	15.535	166	338764	42.973	ng	99
59) 2,3,4,6-Tetrachlorophenol	15.112	232	92576m	47.550	ng	
60) Diethylphthalate	15.318	149	362756	42.379	ng	99
61) 4-Chlorophenyl-phenyle...	15.535	204	166039	42.385	ng	92
62) 4-Nitroaniline	15.553	138	75579	45.936	ng	93
63) Azobenzene	15.823	77	371087	40.626	ng	98
65) 4,6-Dinitro-2-methylph...	15.612	198	47302	46.799	ng	89
66) n-Nitrosodiphenylamine	15.747	169	299630	45.004	ng	99
67) 4-Bromophenyl-phenylether	16.423	248	112186	46.570	ng	92
68) Hexachlorobenzene	16.534	284	120627	44.727	ng	95
69) Atrazine	16.699	200	133132	67.961	ng	93
70) Pentachlorophenol	16.881	266	153962	91.945	ng	97
71) Phenanthrene	17.269	178	559131	44.568	ng	100
72) Anthracene	17.363	178	576746	46.233	ng	98
73) Carbazole	17.627	167	514613	44.184	ng	99
74) Di-n-butylphthalate	18.203	149	619724	45.203	ng	99
75) Fluoranthene	19.278	202	653932	43.237	ng	98
77) Benzidine	19.460	184	190171	57.898	ng	97
78) Pyrene	19.642	202	682286	44.621	ng	98
80) Butylbenzylphthalate	20.541	149	267979	46.803	ng	96
81) Benzo(a)anthracene	21.440	228	697575	45.909	ng	97
82) 3,3'-Dichlorobenzidine	21.364	252	155510	31.624	ng	98
83) Chrysene	21.505	228	678619	44.780	ng	99
84) Bis(2-ethylhexyl)phtha...	21.376	149	414970	50.498	ng	98
85) Di-n-octyl phthalate	22.521	149	710281	50.112	ng	99
87) Indeno(1,2,3-cd)pyrene	27.874	276	806871	47.234	ng	98
88) Benzo(b)fluoranthene	23.526	252	671571	43.511	ng	97
89) Benzo(k)fluoranthene	23.591	252	697549	45.050	ng	98
90) Benzo(a)pyrene	24.331	252	655055	47.655	ng	98
91) Dibenzo(a,h)anthracene	27.939	278	675312	47.685	ng	99
92) Benzo(g,h,i)perylene	28.932	276	632964	43.532	ng	96

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

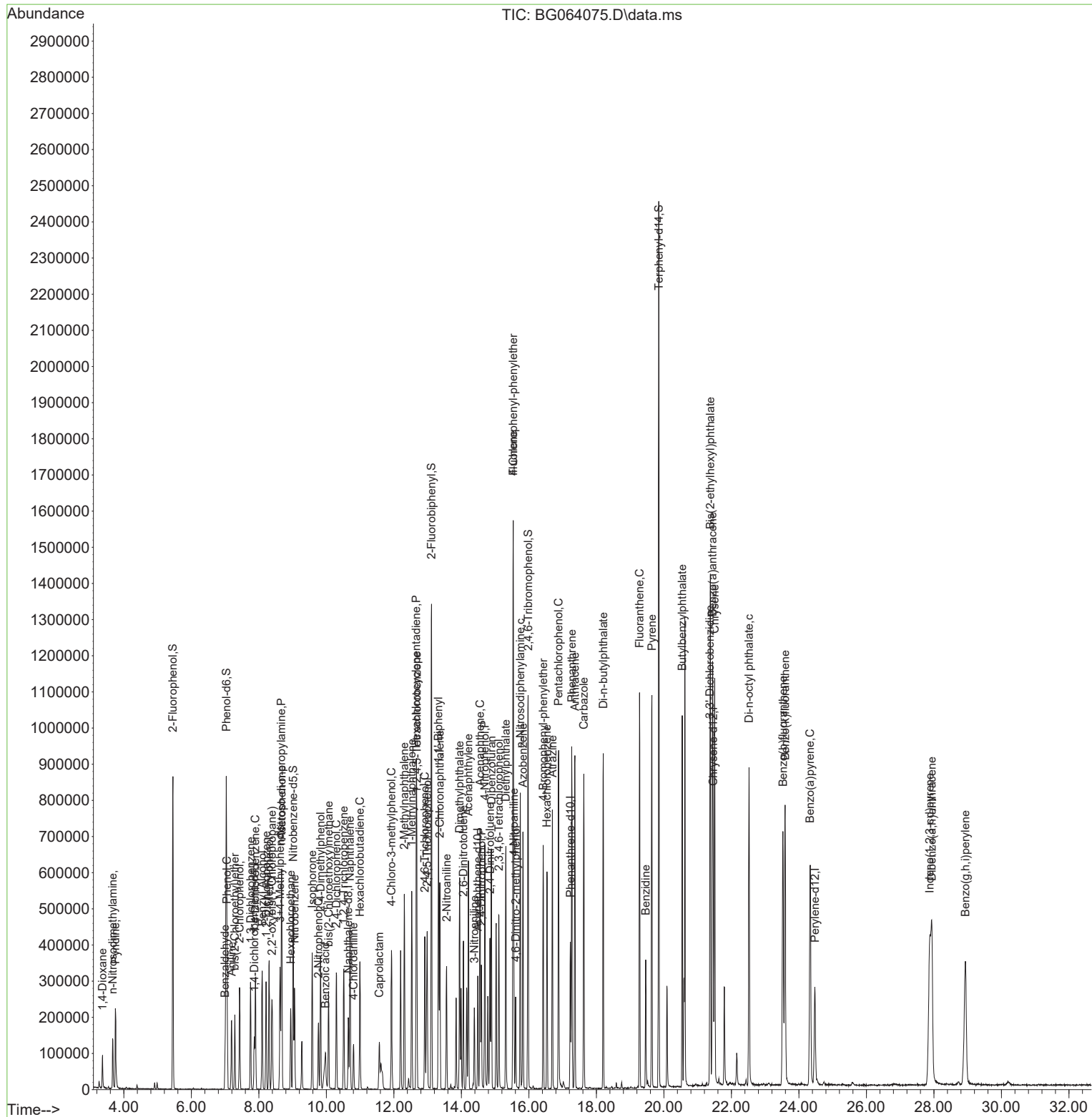
Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG031025\
Data File : BG064075.D
Acq On : 10 Mar 2025 10:44
Operator : RC/JU
Sample : PB167035BS
Misc :
ALS Vial : 4 Sample Multiplier: 1

Instrument :
BNA_G
ClientSampleId :
PB167035BS

Manual Integrations
APPROVED

Reviewed By :Anahy Claudio 03/11/2025
Supervised By :Jagrut Upadhyay 03/11/2025

Quant Time: Mar 10 12:22:36 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_G\Methods\8270-BG030525.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Wed Mar 05 15:39:19 2025
Response via : Initial Calibration



Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF030725\
 Data File : BF141893.D
 Acq On : 07 Mar 2025 18:30
 Operator : RC/JU
 Sample : Q1488-02MS
 Misc :
 ALS Vial : 13 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 ENV-101-SB01MS

Manual Integrations
 APPROVED

Reviewed By :Anahy Claudio 03/10/2025
 Supervised By :Jagrut Upadhyay 03/10/2025

Quant Time: Mar 07 21:45:45 2025
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF022725.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Fri Feb 28 01:48:16 2025
 Response via : Initial Calibration

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

Internal Standards						
1) 1,4-Dichlorobenzene-d4	6.887	152	146872	20.000	ng	0.00
21) Naphthalene-d8	8.169	136	566046	20.000	ng	0.00
39) Acenaphthene-d10	9.922	164	296352	20.000	ng	0.00
64) Phenanthrene-d10	11.404	188	482424	20.000	ng	0.00
76) Chrysene-d12	14.045	240	376304	20.000	ng	0.00
86) Perylene-d12	15.515	264	373298	20.000	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.516	112	1085782	118.061	ng	0.02
7) Phenol-d6	6.510	99	1289939	107.760	ng	0.00
23) Nitrobenzene-d5	7.445	82	976810	110.305	ng	0.00
42) 2,4,6-Tribromophenol	10.710	330	507581	182.438	ng	0.00
45) 2-Fluorobiphenyl	9.239	172	1887954	102.150	ng	0.00
79) Terphenyl-d14	12.986	244	1932793	83.100	ng	-0.01
Target Compounds						Qvalue
2) 1,4-Dioxane	2.805	88	134944	32.337	ng	# 79
3) Pyridine	3.534	79	304229	29.301	ng	94
4) n-Nitrosodimethylamine	3.463	42	167627	33.553	ng	# 95
6) Aniline	6.551	93	271425	21.810	ng	98
8) 2-Chlorophenol	6.669	128	392071	39.409	ng	95
9) Benzaldehyde	6.440	77	82387	11.832	ng	97
10) Phenol	6.522	94	421103	32.921	ng	96
11) bis(2-Chloroethyl)ether	6.622	93	347294	35.618	ng	95
12) 1,3-Dichlorobenzene	6.828	146	403448	37.867	ng	98
13) 1,4-Dichlorobenzene	6.904	146	413101	38.481	ng	99
14) 1,2-Dichlorobenzene	7.057	146	404172	40.318	ng	98
15) Benzyl Alcohol	7.022	79	376371	39.342	ng	99
16) 2,2'-oxybis(1-Chloropr...	7.157	45	445763	30.103	ng	94
17) 2-Methylphenol	7.134	107	327586	39.891	ng	99
18) Hexachloroethane	7.398	117	149748	37.269	ng	96
19) n-Nitroso-di-n-propyla...	7.292	70	284179	36.114	ng	98
20) 3+4-Methylphenols	7.281	107	417320	40.811	ng	97
22) Acetophenone	7.292	105	635484	46.096	ng	97
24) Nitrobenzene	7.469	77	425775	44.899	ng	96
25) Isophorone	7.704	82	779771	40.987	ng	98
26) 2-Nitrophenol	7.781	139	202530	47.827	ng	97
27) 2,4-Dimethylphenol	7.810	122	347141	49.638	ng	97
28) bis(2-Chloroethoxy)met...	7.910	93	457528	37.700	ng	99
29) 2,4-Dichlorophenol	8.016	162	345967	42.882	ng	99
30) 1,2,4-Trichlorobenzene	8.104	180	365988	41.399	ng	99
31) Naphthalene	8.187	128	1141283	39.230	ng	99
32) Benzoic acid	7.910	122	245541	43.017	ng	99
33) 4-Chloroaniline	8.234	127	117535	11.018	ng	98
34) Hexachlorobutadiene	8.304	225	232432	42.309	ng	99
35) Caprolactam	8.592	113	107829m	43.446	ng	
36) 4-Chloro-3-methylphenol	8.710	107	387917	43.283	ng	99
37) 2-Methylnaphthalene	8.875	142	769169	40.308	ng	99
38) 1-Methylnaphthalene	8.975	142	735586	40.174	ng	98
40) 1,2,4,5-Tetrachloroben...	9.045	216	417293	48.755	ng	100
41) Hexachlorocyclopentadiene	9.028	237	385277	107.863	ng	100
43) 2,4,6-Trichlorophenol	9.151	196	260598	47.135	ng	99

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF030725\
 Data File : BF141893.D
 Acq On : 07 Mar 2025 18:30
 Operator : RC/JU
 Sample : Q1488-02MS
 Misc :
 ALS Vial : 13 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 ENV-101-SB01MS

Manual Integrations APPROVED

Reviewed By :Anahy Claudio 03/10/2025
 Supervised By :Jagrut Upadhyay 03/10/2025

Quant Time: Mar 07 21:45:45 2025
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF022725.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Fri Feb 28 01:48:16 2025
 Response via : Initial Calibration

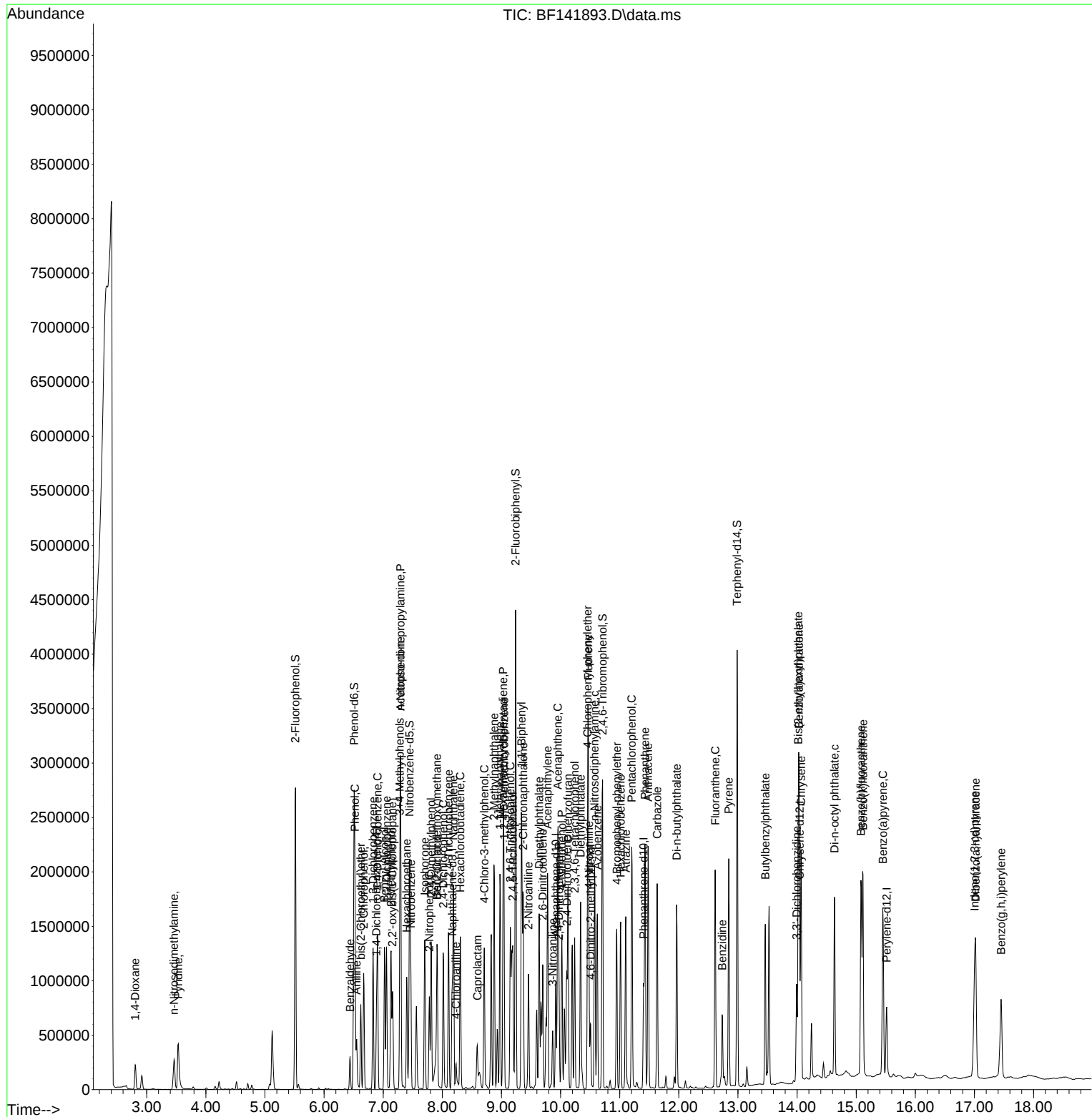
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
44) 2,4,5-Trichlorophenol	9.192	196	273305	49.921	ng	98
46) 1,1'-Biphenyl	9.339	154	1127721	49.994	ng	98
47) 2-Chloronaphthalene	9.369	162	749626	45.026	ng	99
48) 2-Nitroaniline	9.457	65	238921	52.027	ng	95
49) Acenaphthylene	9.781	152	1179845	47.266	ng	99
50) Dimethylphthalate	9.639	163	929996	46.861	ng	99
51) 2,6-Dinitrotoluene	9.698	165	202875	53.116	ng	94
52) Acenaphthene	9.951	154	846529	50.260	ng	99
53) 3-Nitroaniline	9.869	138	121880	31.242	ng	# 92
54) 2,4-Dinitrophenol	9.975	184	171206	92.918	ng	# 1
55) Dibenzofuran	10.128	168	1036351	42.274	ng	99
56) 4-Nitrophenol	10.022	139	318494	108.658	ng	95
57) 2,4-Dinitrotoluene	10.104	165	265097	56.493	ng	90
58) Fluorene	10.469	166	843493	45.934	ng	100
59) 2,3,4,6-Tetrachlorophenol	10.239	232	231562	48.633	ng	99
60) Diethylphthalate	10.339	149	887696	44.618	ng	99
61) 4-Chlorophenyl-phenyle...	10.457	204	424604	46.150	ng	98
62) 4-Nitroaniline	10.480	138	191771	56.583	ng	97
63) Azobenzene	10.622	77	828989	39.573	ng	98
65) 4,6-Dinitro-2-methylph...	10.510	198	114613	50.036	ng	88
66) n-Nitrosodiphenylamine	10.575	169	723072	45.645	ng	99
67) 4-Bromophenyl-phenylether	10.951	248	266010	47.208	ng	96
68) Hexachlorobenzene	11.016	284	295638	49.684	ng	96
69) Atrazine	11.104	200	285547	65.549	ng	98
70) Pentachlorophenol	11.204	266	357301	94.677	ng	99
71) Phenanthrene	11.427	178	1199549	46.485	ng	99
72) Anthracene	11.480	178	1200670	46.426	ng	99
73) Carbazole	11.633	167	1040605	45.564	ng	99
74) Di-n-butylphthalate	11.963	149	1188156	41.042	ng	99
75) Fluoranthene	12.616	202	1125422	42.563	ng	96
77) Benzidine	12.733	184	358813	75.758	ng	99
78) Pyrene	12.845	202	1188284	36.467	ng	99
80) Butylbenzylphthalate	13.463	149	471966	39.865	ng	96
81) Benzo(a)anthracene	14.033	228	1131048	45.505	ng	100
82) 3,3'-Dichlorobenzidine	13.992	252	260330	36.506	ng	99
83) Chrysene	14.068	228	998763	43.591	ng	100
84) Bis(2-ethylhexyl)phtha...	14.021	149	621644	42.170	ng	99
85) Di-n-octyl phthalate	14.633	149	1101586	49.914	ng	96
87) Indeno(1,2,3-cd)pyrene	17.004	276	897282	37.748	ng	# 94
88) Benzo(b)fluoranthene	15.080	252	1178241	46.336	ng	99
89) Benzo(k)fluoranthene	15.115	252	1025295	47.439	ng	97
90) Benzo(a)pyrene	15.451	252	975022	47.812	ng	98
91) Dibenzo(a,h)anthracene	17.021	278	744676	38.380	ng	# 96
92) Benzo(g,h,i)perylene	17.451	276	665037	33.457	ng	95

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

Instrument :
BNA_F
ClientSampleId :
ENV-101-SB01MS

Manual Integrations APPROVED

Reviewed By :Anahy Claudio 03/10/2025
Supervised By :Jagrut Upadhyay 03/10/2025



Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF030725\
 Data File : BF141894.D
 Acq On : 07 Mar 2025 18:59
 Operator : RC/JU
 Sample : Q1488-02MSD
 Misc :
 ALS Vial : 14 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 ENV-101-SB01MSD

Manual Integrations
 APPROVED

Reviewed By :Anahy Claudio 03/10/2025
 Supervised By :Jagrut Upadhyay 03/10/2025

Quant Time: Mar 07 21:46:52 2025
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF022725.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Fri Feb 28 01:48:16 2025
 Response via : Initial Calibration

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

Internal Standards						
1) 1,4-Dichlorobenzene-d4	6.886	152	134345	20.000	ng	0.00
21) Naphthalene-d8	8.169	136	510741	20.000	ng	# 0.00
39) Acenaphthene-d10	9.922	164	263683	20.000	ng	0.00
64) Phenanthrene-d10	11.404	188	403770	20.000	ng	# 0.00
76) Chrysene-d12	14.039	240	354164	20.000	ng	-0.01
86) Perylene-d12	15.515	264	380393	20.000	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.516	112	1028686	122.282	ng	0.02
7) Phenol-d6	6.510	99	1205472	110.094	ng	0.00
23) Nitrobenzene-d5	7.445	82	896395	112.185	ng	0.00
42) 2,4,6-Tribromophenol	10.710	330	432585	174.746	ng	0.00
45) 2-Fluorobiphenyl	9.239	172	1677614	102.015	ng	0.00
79) Terphenyl-d14	12.986	244	1673540	76.452	ng	-0.01
Target Compounds						Qvalue
2) 1,4-Dioxane	2.804	88	130927	34.300	ng	# 81
3) Pyridine	3.528	79	291474	30.690	ng	94
4) n-Nitrosodimethylamine	3.463	42	160531	35.129	ng	# 96
6) Aniline	6.551	93	254074	22.320	ng	100
8) 2-Chlorophenol	6.669	128	371175	40.787	ng	95
9) Benzaldehyde	6.439	77	75536	11.860	ng	97
10) Phenol	6.522	94	392161	33.517	ng	95
11) bis(2-Chloroethyl)ether	6.622	93	324729	36.409	ng	95
12) 1,3-Dichlorobenzene	6.828	146	367281	37.687	ng	99
13) 1,4-Dichlorobenzene	6.904	146	370754	37.756	ng	100
14) 1,2-Dichlorobenzene	7.057	146	360428	39.307	ng	99
15) Benzyl Alcohol	7.022	79	333525	38.114	ng	99
16) 2,2'-oxybis(1-Chloropr...	7.157	45	387872	28.636	ng	94
17) 2-Methylphenol	7.134	107	290487	38.672	ng	98
18) Hexachloroethane	7.398	117	137227	37.337	ng	98
19) n-Nitroso-di-n-propyla...	7.292	70	252681	35.105	ng	98
20) 3+4-Methylphenols	7.281	107	376329	40.234	ng	96
22) Acetophenone	7.292	105	563087	45.267	ng	98
24) Nitrobenzene	7.463	77	387430	45.279	ng	99
25) Isophorone	7.704	82	691206	40.266	ng	97
26) 2-Nitrophenol	7.781	139	186144	48.633	ng	97
27) 2,4-Dimethylphenol	7.810	122	315518	50.002	ng	97
28) bis(2-Chloroethoxy)met...	7.910	93	414927	37.892	ng	99
29) 2,4-Dichlorophenol	8.016	162	316269	43.446	ng	99
30) 1,2,4-Trichlorobenzene	8.104	180	327544	41.062	ng	99
31) Naphthalene	8.186	128	1053250	40.124	ng	99
32) Benzoic acid	7.910	122	208873	40.996	ng	98
33) 4-Chloroaniline	8.233	127	110589	11.490	ng	97
34) Hexachlorobutadiene	8.304	225	209578	42.280	ng	99
35) Caprolactam	8.592	113	92720m	41.403	ng	
36) 4-Chloro-3-methylphenol	8.710	107	342009	42.293	ng	99
37) 2-Methylnaphthalene	8.875	142	668844	38.846	ng	99
38) 1-Methylnaphthalene	8.975	142	659348	39.910	ng	99
40) 1,2,4,5-Tetrachloroben...	9.045	216	384500	50.489	ng	99
41) Hexachlorocyclopentadiene	9.033	237	354394	111.510	ng	98
43) 2,4,6-Trichlorophenol	9.151	196	229240	46.600	ng	99

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF030725\
 Data File : BF141894.D
 Acq On : 07 Mar 2025 18:59
 Operator : RC/JU
 Sample : Q1488-02MSD
 Misc :
 ALS Vial : 14 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 ENV-101-SB01MSD

Manual Integrations
 APPROVED

Reviewed By :Anahy Claudio 03/10/2025
 Supervised By :Jagrut Upadhyay 03/10/2025

Quant Time: Mar 07 21:46:52 2025
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF022725.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Fri Feb 28 01:48:16 2025
 Response via : Initial Calibration

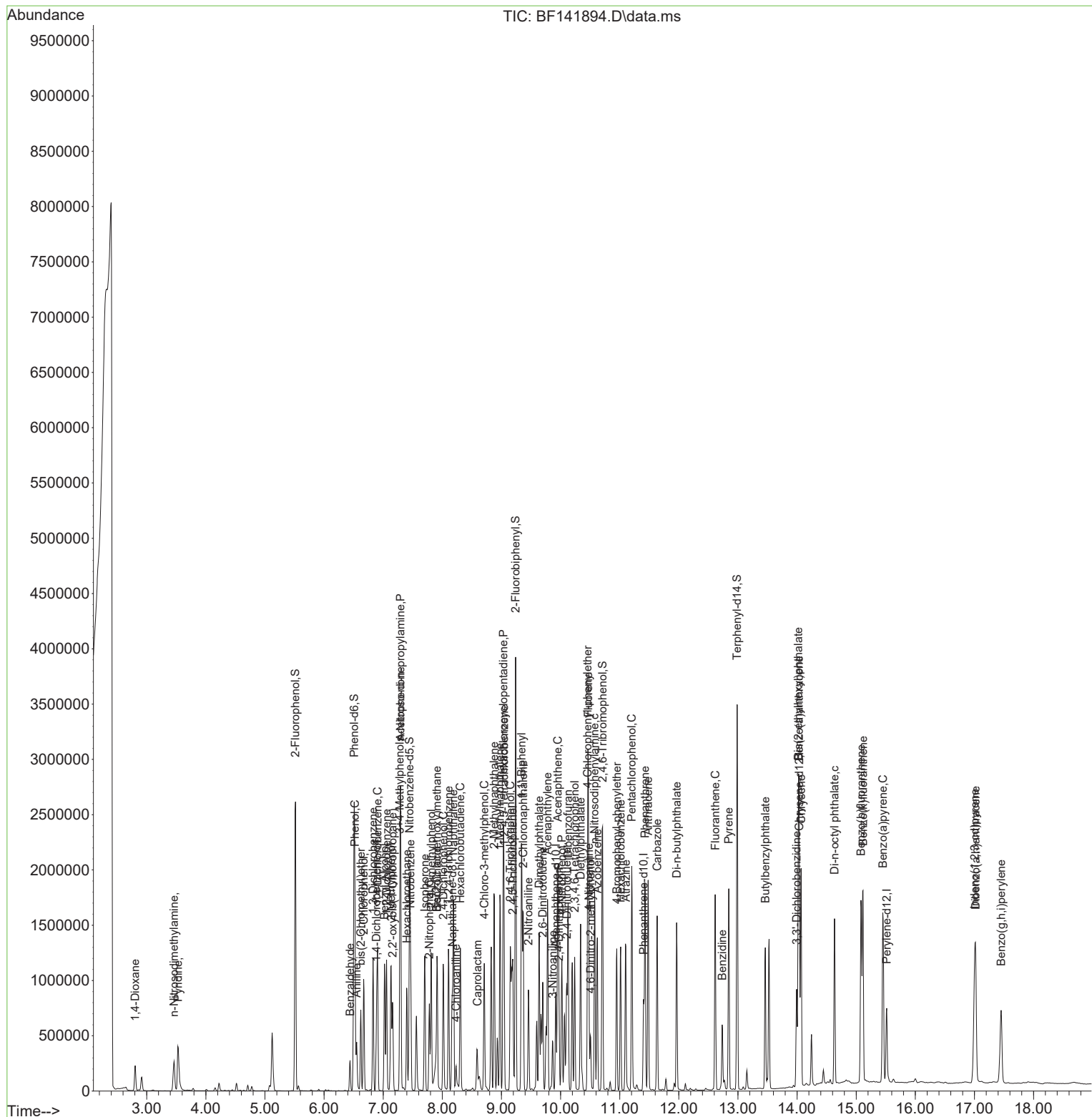
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
44) 2,4,5-Trichlorophenol	9.192	196	245109	50.318	ng	99
46) 1,1'-Biphenyl	9.339	154	988985	49.276	ng	98
47) 2-Chloronaphthalene	9.369	162	659104	44.493	ng	99
48) 2-Nitroaniline	9.457	65	206180	50.590	ng	94
49) Acenaphthylene	9.780	152	1040851	46.864	ng	99
50) Dimethylphthalate	9.639	163	812721	46.025	ng	100
51) 2,6-Dinitrotoluene	9.698	165	175263	51.654	ng	94
52) Acenaphthene	9.951	154	722307	48.198	ng	98
53) 3-Nitroaniline	9.869	138	97436	28.372	ng	# 95
54) 2,4-Dinitrophenol	9.975	184	137236	86.130	ng	# 1
55) Dibenzofuran	10.127	168	933866	42.813	ng	100
56) 4-Nitrophenol	10.022	139	270754	103.815	ng	94
57) 2,4-Dinitrotoluene	10.104	165	235820	56.481	ng	91
58) Fluorene	10.469	166	726575	44.469	ng	99
59) 2,3,4,6-Tetrachlorophenol	10.239	232	204200	48.200	ng	99
60) Diethylphthalate	10.339	149	775577	43.812	ng	99
61) 4-Chlorophenyl-phenyle...	10.457	204	367966	44.949	ng	98
62) 4-Nitroaniline	10.480	138	156047	51.746	ng	97
63) Azobenzene	10.622	77	705547	37.853	ng	97
65) 4,6-Dinitro-2-methylph...	10.510	198	94537	49.429	ng	86
66) n-Nitrosodiphenylamine	10.575	169	640239	48.289	ng	99
67) 4-Bromophenyl-phenylether	10.951	248	222564	47.191	ng	98
68) Hexachlorobenzene	11.016	284	248851	49.968	ng	95
69) Atrazine	11.104	200	241903	66.347	ng	98
70) Pentachlorophenol	11.204	266	313151	99.142	ng	99
71) Phenanthrene	11.427	178	987200	45.709	ng	100
72) Anthracene	11.480	178	1008649	46.598	ng	99
73) Carbazole	11.633	167	873000	45.671	ng	99
74) Di-n-butylphthalate	11.963	149	1068561	44.102	ng	99
75) Fluoranthene	12.616	202	991365	44.797	ng	96
77) Benzidine	12.733	184	318211	71.385	ng	100
78) Pyrene	12.845	202	1030931	33.615	ng	98
80) Butylbenzylphthalate	13.463	149	408177	36.632	ng	96
81) Benzo(a)anthracene	14.033	228	1056782	45.175	ng	99
82) 3,3'-Dichlorobenzidine	13.992	252	254664	37.944	ng	99
83) Chrysene	14.068	228	931717	43.206	ng	99
84) Bis(2-ethylhexyl)phtha...	14.021	149	551160	39.726	ng	100
85) Di-n-octyl phthalate	14.633	149	997945	48.045	ng	95
87) Indeno(1,2,3-cd)pyrene	17.003	276	890859	36.779	ng	95
88) Benzo(b)fluoranthene	15.080	252	1102180	42.537	ng	98
89) Benzo(k)fluoranthene	15.115	252	956534m	43.432	ng	
90) Benzo(a)pyrene	15.451	252	972786	46.812	ng	98
91) Dibenzo(a,h)anthracene	17.021	278	740740	37.465	ng	# 95
92) Benzo(g,h,i)perylene	17.451	276	622794	30.747	ng	95

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

Instrument :
BNA_F
ClientSampleId :
ENV-101-SB01MSD

Manual Integrations APPROVED

Reviewed By :Anahy Claudio 03/10/2025
Supervised By :Jaqrut Upadhyay 03/10/2025



Manual Integration Report

Sequence:	BF022725	Instrument	BNA_f
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Sample ID	File ID	Parameter	Review By	Review On	Supervised By	Supervised On	Reason
SSTDICC005	BF141794.D	Aniline	yogesh	2/28/2025 7:30:31 AM	mohammad	2/28/2025 7:32:51 AM	Peak Integrated by Software
SSTDICC005	BF141794.D	Phenol	yogesh	2/28/2025 7:30:31 AM	mohammad	2/28/2025 7:32:51 AM	Peak Integrated by Software
SSTDICC010	BF141795.D	Phenol	yogesh	2/28/2025 7:30:34 AM	mohammad	2/28/2025 7:32:51 AM	Peak Integrated by Software
SSTDICC020	BF141796.D	Phenol	yogesh	2/28/2025 7:30:37 AM	mohammad	2/28/2025 7:32:51 AM	Peak Integrated by Software
SSTDICCC040	BF141797.D	Caprolactam	yogesh	2/28/2025 7:30:40 AM	mohammad	2/28/2025 7:32:51 AM	Peak Integrated by Software
SSTDICC080	BF141800.D	Aniline	yogesh	2/28/2025 7:30:43 AM	mohammad	2/28/2025 7:32:51 AM	Peak Integrated by Software
SSTDICC080	BF141800.D	Phenol	yogesh	2/28/2025 7:30:43 AM	mohammad	2/28/2025 7:32:51 AM	Peak Integrated by Software

Manual Integration Report

Sequence:

BF030725

Instrument

BNA_f

Sample ID	File ID	Parameter	Review By	Review On	Supervised By	Supervised On	Reason
Q1488-02MS	BF141893.D	Caprolactam	anahy	3/10/2025 10:25:33 AM	Jagrut	3/10/2025 10:28:36 AM	Peak Integrated by Software
Q1488-02MSD	BF141894.D	Benzo(k)fluoranthene	anahy	3/10/2025 10:26:37 AM	Jagrut	3/10/2025 10:28:38 AM	Peak Integrated by Software
Q1488-02MSD	BF141894.D	Caprolactam	anahy	3/10/2025 10:26:37 AM	Jagrut	3/10/2025 10:28:38 AM	Peak Integrated by Software

Manual Integration Report

Sequence:	bg030525	Instrument	BNA_g
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Sample ID	File ID	Parameter	Review By	Review On	Supervised By	Supervised On	Reason
SSTDICC005	BG064046.D	1,2-Dichlorobenzene	Jagrut	3/6/2025 5:46:12 PM	mohammad	3/7/2025 6:01:50 AM	Peak Integrated by Software
SSTDICC005	BG064046.D	1,4-Dichlorobenzene	Jagrut	3/6/2025 5:46:12 PM	mohammad	3/7/2025 6:01:50 AM	Peak Integrated by Software
SSTDICC005	BG064046.D	2,4,6-Trichlorophenol	Jagrut	3/6/2025 5:46:12 PM	mohammad	3/7/2025 6:01:50 AM	Peak Integrated by Software
SSTDICC005	BG064046.D	Acenaphthene	Jagrut	3/6/2025 5:46:12 PM	mohammad	3/7/2025 6:01:50 AM	Peak Integrated by Software
SSTDICC005	BG064046.D	Benzidine	Jagrut	3/6/2025 5:46:12 PM	mohammad	3/7/2025 6:01:50 AM	Peak Integrated by Software
SSTDICC010	BG064047.D	Acenaphthene	Jagrut	3/6/2025 5:46:22 PM	mohammad	3/7/2025 6:01:50 AM	Peak Integrated by Software
SSTDICC010	BG064047.D	Benzaldehyde	Jagrut	3/6/2025 5:46:22 PM	mohammad	3/7/2025 6:01:50 AM	Peak Integrated by Software
SSTDICC010	BG064047.D	Benzidine	Jagrut	3/6/2025 5:46:22 PM	mohammad	3/7/2025 6:01:50 AM	Peak Integrated by Software
SSTDICC010	BG064047.D	Benzoic acid	Jagrut	3/6/2025 5:46:22 PM	mohammad	3/7/2025 6:01:50 AM	Peak Integrated by Software
SSTDICC020	BG064048.D	Acenaphthene	Jagrut	3/6/2025 5:46:24 PM	mohammad	3/7/2025 6:01:50 AM	Peak Integrated by Software
SSTDICC020	BG064048.D	Benzaldehyde	Jagrut	3/6/2025 5:46:24 PM	mohammad	3/7/2025 6:01:50 AM	Peak Integrated by Software
SSTDICC020	BG064048.D	Benzoic acid	Jagrut	3/6/2025 5:46:24 PM	mohammad	3/7/2025 6:01:50 AM	Peak Integrated by Software
SSTDICCC040	BG064049.D	Acenaphthene	Jagrut	3/6/2025 5:46:27 PM	mohammad	3/7/2025 6:01:50 AM	Peak Integrated by Software

Manual Integration Report

Sequence:	bg030525	Instrument	BNA_g
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Sample ID	File ID	Parameter	Review By	Review On	Supervised By	Supervised On	Reason
SSTDICCC040	BG064049.D	Benzoic acid	Jagrut	3/6/2025 5:46:27 PM	mohammad	3/7/2025 6:01:50 AM	Peak Integrated by Software
SSTDICCC050	BG064050.D	Acenaphthene	Jagrut	3/6/2025 5:46:30 PM	mohammad	3/7/2025 6:01:50 AM	Peak Integrated by Software
SSTDICCC050	BG064050.D	Benzoic acid	Jagrut	3/6/2025 5:46:30 PM	mohammad	3/7/2025 6:01:50 AM	Peak Integrated by Software
SSTDICCC060	BG064051.D	Benzoic acid	Jagrut	3/6/2025 5:46:32 PM	mohammad	3/7/2025 6:01:50 AM	Peak Integrated by Software
SSTDICCC080	BG064052.D	Benzoic acid	Jagrut	3/6/2025 5:46:36 PM	mohammad	3/7/2025 6:01:50 AM	Peak Integrated by Software
SSTDICV040	BG064053.D	Acenaphthene	Jagrut	3/6/2025 5:46:42 PM	mohammad	3/7/2025 6:01:50 AM	Peak Integrated by Software
SSTDICV040	BG064053.D	Benzaldehyde	Jagrut	3/6/2025 5:46:42 PM	mohammad	3/7/2025 6:01:50 AM	Peak Integrated by Software
SSTDICV040	BG064053.D	Benzoic acid	Jagrut	3/6/2025 5:46:42 PM	mohammad	3/7/2025 6:01:50 AM	Peak Integrated by Software

Manual Integration Report

Sequence:	bg031025	Instrument	BNA_g
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Sample ID	File ID	Parameter	Review By	Review On	Supervised By	Supervised On	Reason
SSTDCCC040	BG064073.D	Acenaphthene	anahy	3/11/2025 8:56:05 AM	Jagrut	3/11/2025 10:19:44 AM	Peak Integrated by Software
SSTDCCC040	BG064073.D	Benzoic acid	anahy	3/11/2025 8:56:05 AM	Jagrut	3/11/2025 10:19:44 AM	Peak Integrated by Software
PB167035BS	BG064075.D	2,2"-oxybis(1-Chloropropane)	anahy	3/11/2025 8:59:14 AM	Jagrut	3/11/2025 10:19:47 AM	Peak Integrated by Software
PB167035BS	BG064075.D	2,3,4,6-Tetrachlorophenol	anahy	3/11/2025 8:59:14 AM	Jagrut	3/11/2025 10:19:47 AM	Peak Integrated by Software
PB167035BS	BG064075.D	Benzaldehyde	anahy	3/11/2025 8:59:14 AM	Jagrut	3/11/2025 10:19:47 AM	Peak Integrated by Software
PB167035BS	BG064075.D	Benzoic acid	anahy	3/11/2025 8:59:14 AM	Jagrut	3/11/2025 10:19:47 AM	Peak Integrated by Software
PB167035BS	BG064075.D	Caprolactam	anahy	3/11/2025 8:59:14 AM	Jagrut	3/11/2025 10:19:47 AM	Peak Integrated by Software

Instrument ID: BNA_F

Daily Analysis Runlog For Sequence/QCBatch ID # BF022725

Review By	yogesh	Review On	2/28/2025 7:30:58 AM
Supervise By	mohammad	Supervise On	2/28/2025 7:32:51 AM
SubDirectory	BF022725	HP Acquire Method	BNA_F
		HP Processing Method	bf022725
STD. NAME	STD REF.#		
Tune/Reschk	SP6717		
Initial Calibration Stds	SP6722,SP6723,SP6724,SP6725,SP6726,SP6727,SP6728,SP6729		
CCC	SP6725		
Internal Standard/PEM	S12653,10ul/1000ul sample		
ICV/I.BLK	SP6686		
Surrogate Standard			
MS/MSD Standard			
LCS Standard			

Sr#	SampleId	Data File Name	Date-Time	Operator	Status
1	DFTPP	BF141792.D	27 Feb 2025 14:47	RC/JU	Ok
2	SSTDICC2.5	BF141793.D	27 Feb 2025 15:17	RC/JU	Ok
3	SSTDICC005	BF141794.D	27 Feb 2025 15:46	RC/JU	Ok,M
4	SSTDICC010	BF141795.D	27 Feb 2025 16:16	RC/JU	Ok,M
5	SSTDICC020	BF141796.D	27 Feb 2025 16:46	RC/JU	Ok,M
6	SSTDICCC040	BF141797.D	27 Feb 2025 17:16	RC/JU	Ok,M
7	SSTDICC050	BF141798.D	27 Feb 2025 17:46	RC/JU	Ok
8	SSTDICC060	BF141799.D	27 Feb 2025 18:15	RC/JU	Ok
9	SSTDICC080	BF141800.D	27 Feb 2025 18:45	RC/JU	Ok,M
10	SSTDICV040	BF141801.D	27 Feb 2025 19:45	RC/JU	Ok
11	PB166879TB	BF141802.D	27 Feb 2025 20:44	RC/JU	Ok

M : Manual Integration

Instrument ID: BNA_F

Daily Analysis Runlog For Sequence/QCBatch ID # BF030725

Review By	anahy	Review On	3/10/2025 10:26:54 AM
Supervise By	Jagrut	Supervise On	3/10/2025 12:42:08 PM
SubDirectory	BF030725	HP Acquire Method	BNA_F
		HP Processing Method	bf022725
STD. NAME	STD REF.#		
Tune/Reschk	SP6717		
Initial Calibration Stds	SP6722,SP6723,SP6724,SP6725,SP6726,SP6727,SP6728,SP6729		
CCC	SP6725		
Internal Standard/PEM	S12653,10ul/1000ul sample		
ICV/I.BLK	SP6686		
Surrogate Standard			
MS/MSD Standard			
LCS Standard			

Sr#	SampleId	Data File Name	Date-Time	Operator	Status
1	DFTPP	BF141881.D	07 Mar 2025 08:26	RC/JU	Ok
2	SSTDCCC040	BF141882.D	07 Mar 2025 08:56	RC/JU	Ok
3	PB167016BL	BF141883.D	07 Mar 2025 09:26	RC/JU	Ok
4	PB167016BS	BF141884.D	07 Mar 2025 09:55	RC/JU	Ok,M
5	PB166968TB	BF141885.D	07 Mar 2025 10:24	RC/JU	Ok
6	Q1478-13	BF141886.D	07 Mar 2025 11:00	RC/JU	Ok
7	Q1478-13MS	BF141887.D	07 Mar 2025 11:29	RC/JU	Ok,M
8	Q1478-13MSD	BF141888.D	07 Mar 2025 11:59	RC/JU	Ok,M
9	Q1481-02	BF141889.D	07 Mar 2025 12:29	RC/JU	Ok
10	Q1484-01DL	BF141890.D	07 Mar 2025 12:58	RC/JU	Ok,M
11	Q1518-01	BF141891.D	07 Mar 2025 13:28	RC/JU	Ok,M
12	Q1488-02	BF141892.D	07 Mar 2025 18:01	RC/JU	Ok
13	Q1488-02MS	BF141893.D	07 Mar 2025 18:30	RC/JU	Ok,M
14	Q1488-02MSD	BF141894.D	07 Mar 2025 18:59	RC/JU	Ok,M
15	Q1490-02	BF141895.D	07 Mar 2025 19:29	RC/JU	Ok

M : Manual Integration

Instrument ID: BNA_G

Daily Analysis Runlog For Sequence/QC Batch ID # BG030525

Review By	Jagrut	Review On	3/6/2025 5:46:57 PM		
Supervise By	mohammad	Supervise On	3/7/2025 6:01:50 AM		
SubDirectory	BG030525	HP Acquire Method	BNA_G	HP Processing Method	bg030525
STD. NAME		STD REF.#			
Tune/Reschk		SP6717			
Initial Calibration Stds		SP6722,SP6723,SP6724,SP6725,SP6726,SP6727,SP6728,SP6729			
CCC		SP6725			
Internal Standard/PEM		S12653,10ul/1000ul sample			
ICV/I.BLK		SP6686			
Surrogate Standard					
MS/MSD Standard					
LCS Standard					

Sr#	SampleId	Data File Name	Date-Time	Operator	Status
1	DFTPP	BG064044.D	5 Mar 2025 8:15	RC/JU	Ok
2	SSTDICC2.5	BG064045.D	5 Mar 2025 9:02	RC/JU	Ok
3	SSTDICC005	BG064046.D	5 Mar 2025 9:42	RC/JU	Ok,M
4	SSTDICC010	BG064047.D	5 Mar 2025 10:22	RC/JU	Ok,M
5	SSTDICC020	BG064048.D	5 Mar 2025 11:03	RC/JU	Ok,M
6	SSTDICCC040	BG064049.D	5 Mar 2025 11:43	RC/JU	Ok,M
7	SSTDICC050	BG064050.D	5 Mar 2025 12:23	RC/JU	Ok,M
8	SSTDICC060	BG064051.D	5 Mar 2025 13:04	RC/JU	Ok,M
9	SSTDICC080	BG064052.D	5 Mar 2025 13:44	RC/JU	Ok,M
10	SSTDICV040	BG064053.D	5 Mar 2025 15:10	RC/JU	Ok,M
11	PB166970BL	BG064054.D	5 Mar 2025 15:50	RC/JU	Ok

M : Manual Integration

Instrument ID: **BNA_G**

Daily Analysis Runlog For Sequence/QC Batch ID # BG031025

Review By	anahy	Review On	3/11/2025 9:00:54 AM		
Supervise By	Jagrut	Supervise On	3/11/2025 10:27:09 AM		
SubDirectory	BG031025	HP Acquire Method	BNA_G	HP Processing Method	bg030525
STD. NAME		STD REF.#			
Tune/Reschk		SP6717			
Initial Calibration Stds		SP6722,SP6723,SP6724,SP6725,SP6726,SP6727,SP6728,SP6729			
CCC		SP6725			
Internal Standard/PEM		S12653,10ul/1000ul sample			
ICV/I.BLK		SP6686			
Surrogate Standard					
MS/MSD Standard					
LCS Standard					

Sr#	SampleId	Data File Name	Date-Time	Operator	Status
1	DFTPP	BG064072.D	10 Mar 2025 8:43	RC/JU	Ok
2	SSTDCCC040	BG064073.D	10 Mar 2025 9:23	RC/JU	Ok,M
3	PB167035BL	BG064074.D	10 Mar 2025 10:03	RC/JU	Ok
4	PB167035BS	BG064075.D	10 Mar 2025 10:44	RC/JU	Ok,M
5	PB167020TB	BG064076.D	10 Mar 2025 11:24	RC/JU	Ok
6	Q1488-04	BG064077.D	10 Mar 2025 12:22	RC/JU	Ok
7	Q1488-06	BG064078.D	10 Mar 2025 13:03	RC/JU	Ok
8	Q1488-08	BG064079.D	10 Mar 2025 13:43	RC/JU	Ok
9	Q1488-10	BG064080.D	10 Mar 2025 14:23	RC/JU	Ok
10	Q1488-12	BG064081.D	10 Mar 2025 15:04	RC/JU	Ok
11	Q1514-02	BG064082.D	10 Mar 2025 15:44	RC/JU	Ok
12	Q1514-04	BG064083.D	10 Mar 2025 16:25	RC/JU	Ok
13	Q1514-06	BG064084.D	10 Mar 2025 17:05	RC/JU	Ok
14	Q1524-01	BG064085.D	10 Mar 2025 17:46	RC/JU	Ok,M
15	Q1524-02	BG064086.D	10 Mar 2025 18:26	RC/JU	Ok,M

M : Manual Integration

Instrument ID: BNA_F

Daily Analysis Runlog For Sequence/QC Batch ID # BF022725

Review By	yogesh	Review On	2/28/2025 7:30:58 AM
Supervise By	mohammad	Supervise On	2/28/2025 7:32:51 AM
SubDirectory	BF022725	HP Acquire Method	BNA_F
		HP Processing Method	bf022725
STD. NAME	STD REF.#		
Tune/Reschk	SP6717		
Initial Calibration Stds	SP6722,SP6723,SP6724,SP6725,SP6726,SP6727,SP6728,SP6729		
CCC	SP6725		
Internal Standard/PEM	S12653,10ul/1000ul sample		
ICV/I.BLK	SP6686		
Surrogate Standard			
MS/MSD Standard			
LCS Standard			

Sr#	SampleID	ClientID	Data File Name	Date-Time	Comment	Operator	Status
1	DFTPP	DFTPP	BF141792.D	27 Feb 2025 14:47		RC/JU	Ok
2	SSTDICC2.5	SSTDICC2.5	BF141793.D	27 Feb 2025 15:17		RC/JU	Ok
3	SSTDICC005	SSTDICC005	BF141794.D	27 Feb 2025 15:46	Compound #32,54,65,77 removed from 5ppm	RC/JU	Ok,M
4	SSTDICC010	SSTDICC010	BF141795.D	27 Feb 2025 16:16	Compound #26,32,48,51,53,57,65 Kept on LR and Compound #54 Kept on QR	RC/JU	Ok,M
5	SSTDICC020	SSTDICC020	BF141796.D	27 Feb 2025 16:46	The Calibration is Fail for Com#77	RC/JU	Ok,M
6	SSTDICCC040	SSTDICCC040	BF141797.D	27 Feb 2025 17:16	The Calibration is Good For 8270E, 8270 DOD Except com#77 and 625.1 Method Except for Com#77	RC/JU	Ok,M
7	SSTDICC050	SSTDICC050	BF141798.D	27 Feb 2025 17:46		RC/JU	Ok
8	SSTDICC060	SSTDICC060	BF141799.D	27 Feb 2025 18:15		RC/JU	Ok
9	SSTDICC080	SSTDICC080	BF141800.D	27 Feb 2025 18:45	Compound #69 removed from 80ppm	RC/JU	Ok,M
10	SSTDICV040	ICVBF022725	BF141801.D	27 Feb 2025 19:45	ICV Fail for Com#56,62,77 for DOD and ICV Fail for Com#77 for NON- DOD	RC/JU	Ok
11	PB166879TB	PB166879TB	BF141802.D	27 Feb 2025 20:44		RC/JU	Ok

M : Manual Integration

Instrument ID: BNA_F

Daily Analysis Runlog For Sequence/QC Batch ID # BF030725

Review By	anahy	Review On	3/10/2025 10:26:54 AM		
Supervise By	Jagrut	Supervise On	3/10/2025 12:42:08 PM		
SubDirectory	BF030725	HP Acquire Method	BNA_F	HP Processing Method	bf022725
STD. NAME		STD REF.#			
Tune/Reschk		SP6717			
Initial Calibration Stds		SP6722,SP6723,SP6724,SP6725,SP6726,SP6727,SP6728,SP6729			
CCC		SP6725			
Internal Standard/PEM		S12653,10ul/1000ul sample			
ICV/I.BLK		SP6686			
Surrogate Standard					
MS/MSD Standard					
LCS Standard					

Sr#	SampleId	ClientID	Data File Name	Date-Time	Comment	Operator	Status
1	DFTPP	DFTPP	BF141881.D	07 Mar 2025 08:26		RC/JU	Ok
2	SSTDCCC040	SSTDCCC040	BF141882.D	07 Mar 2025 08:56		RC/JU	Ok
3	PB167016BL	PB167016BL	BF141883.D	07 Mar 2025 09:26		RC/JU	Ok
4	PB167016BS	PB167016BS	BF141884.D	07 Mar 2025 09:55		RC/JU	Ok,M
5	PB166968TB	PB166968TB	BF141885.D	07 Mar 2025 10:24		RC/JU	Ok
6	Q1478-13	IDW-SO-COMP-02282	BF141886.D	07 Mar 2025 11:00		RC/JU	Ok
7	Q1478-13MS	IDW-SO-COMP-02282	BF141887.D	07 Mar 2025 11:29		RC/JU	Ok,M
8	Q1478-13MSD	IDW-SO-COMP-02282	BF141888.D	07 Mar 2025 11:59		RC/JU	Ok,M
9	Q1481-02	WC-K1311	BF141889.D	07 Mar 2025 12:29		RC/JU	Ok
10	Q1484-01DL	TR-OTR-COMP-01DL	BF141890.D	07 Mar 2025 12:58		RC/JU	Ok,M
11	Q1518-01	OILY-DEBRIS-COMP	BF141891.D	07 Mar 2025 13:28	Internal Standard Fail	RC/JU	Ok,M
12	Q1488-02	ENV-101-SB01	BF141892.D	07 Mar 2025 18:01		RC/JU	Ok
13	Q1488-02MS	ENV-101-SB01MS	BF141893.D	07 Mar 2025 18:30		RC/JU	Ok,M
14	Q1488-02MSD	ENV-101-SB01MSD	BF141894.D	07 Mar 2025 18:59		RC/JU	Ok,M
15	Q1490-02	CLAY-SLUDGE-DRUM	BF141895.D	07 Mar 2025 19:29		RC/JU	Ok

M : Manual Integration

Instrument ID: BNA_G

Daily Analysis Runlog For Sequence/QC Batch ID # BG030525

Review By	Jagrut	Review On	3/6/2025 5:46:57 PM
Supervise By	mohammad	Supervise On	3/7/2025 6:01:50 AM
SubDirectory	BG030525	HP Acquire Method	BNA_G
		HP Processing Method	bg030525

STD. NAME	STD REF.#
Tune/Reschk	SP6717
Initial Calibration Stds	SP6722,SP6723,SP6724,SP6725,SP6726,SP6727,SP6728,SP6729
CCC	SP6725
Internal Standard/PEM	S12653,10ul/1000ul sample
ICV/I.BLK	SP6686
Surrogate Standard	
MS/MSD Standard	
LCS Standard	

Sr#	SampleID	ClientID	Data File Name	Date-Time	Comment	Operator	Status
1	DFTPP	DFTPP	BG064044.D	5 Mar 2025 8:15		RC/JU	Ok
2	SSTDICC2.5	SSTDICC2.5	BG064045.D	5 Mar 2025 9:02		RC/JU	Ok
3	SSTDICC005	SSTDICC005	BG064046.D	5 Mar 2025 9:42	Compound#32,54,56,65,70,85 removed from 5 ppm	RC/JU	Ok,M
4	SSTDICC010	SSTDICC010	BG064047.D	5 Mar 2025 10:22		RC/JU	Ok,M
5	SSTDICC020	SSTDICC020	BG064048.D	5 Mar 2025 11:03	Compound#32,51,54,57,65,80 Kept on LR & Compound#26,48 Kept on QR	RC/JU	Ok,M
6	SSTDICCC040	SSTDICCC040	BG064049.D	5 Mar 2025 11:43	Calibration is good for 8270 E and 8270 DOD. Benzidine failed in the Calibration.	RC/JU	Ok,M
7	SSTDICC050	SSTDICC050	BG064050.D	5 Mar 2025 12:23		RC/JU	Ok,M
8	SSTDICC060	SSTDICC060	BG064051.D	5 Mar 2025 13:04	Compound#69 removed from 60 ppm	RC/JU	Ok,M
9	SSTDICC080	SSTDICC080	BG064052.D	5 Mar 2025 13:44	Compound#9,69 removed from 80 ppm	RC/JU	Ok,M
10	SSTDICV040	ICVBG030525	BG064053.D	5 Mar 2025 15:10		RC/JU	Ok,M
11	PB166970BL	PB166970BL	BG064054.D	5 Mar 2025 15:50		RC/JU	Ok

M : Manual Integration

Instrument ID: BNA_G

Daily Analysis Runlog For Sequence/QC Batch ID # BG031025

Review By	anahy	Review On	3/11/2025 9:00:54 AM		
Supervise By	Jagrut	Supervise On	3/11/2025 10:27:09 AM		
SubDirectory	BG031025	HP Acquire Method	BNA_G	HP Processing Method	bg030525
STD. NAME		STD REF.#			
Tune/Reschk		SP6717			
Initial Calibration Stds		SP6722,SP6723,SP6724,SP6725,SP6726,SP6727,SP6728,SP6729			
CCC		SP6725			
Internal Standard/PEM		S12653,10ul/1000ul sample			
ICV/I.BLK		SP6686			
Surrogate Standard					
MS/MSD Standard					
LCS Standard					

Sr#	SampleId	ClientID	Data File Name	Date-Time	Comment	Operator	Status
1	DFTPP	DFTPP	BG064072.D	10 Mar 2025 8:43		RC/JU	Ok
2	SSTDCCC040	SSTDCCC040	BG064073.D	10 Mar 2025 9:23		RC/JU	Ok,M
3	PB167035BL	PB167035BL	BG064074.D	10 Mar 2025 10:03		RC/JU	Ok
4	PB167035BS	PB167035BS	BG064075.D	10 Mar 2025 10:44		RC/JU	Ok,M
5	PB167020TB	PB167020TB	BG064076.D	10 Mar 2025 11:24		RC/JU	Ok
6	Q1488-04	ENV-101-SB02	BG064077.D	10 Mar 2025 12:22		RC/JU	Ok
7	Q1488-06	ENV-102-SB01	BG064078.D	10 Mar 2025 13:03		RC/JU	Ok
8	Q1488-08	ENV-102-SB02	BG064079.D	10 Mar 2025 13:43		RC/JU	Ok
9	Q1488-10	ENV-104-SB01	BG064080.D	10 Mar 2025 14:23		RC/JU	Ok
10	Q1488-12	ENV-104-SB02	BG064081.D	10 Mar 2025 15:04		RC/JU	Ok
11	Q1514-02	ENV-105-SB01	BG064082.D	10 Mar 2025 15:44		RC/JU	Ok
12	Q1514-04	ENV-105-SB02	BG064083.D	10 Mar 2025 16:25		RC/JU	Ok
13	Q1514-06	ENV-103-SB01	BG064084.D	10 Mar 2025 17:05		RC/JU	Ok
14	Q1524-01	72-11930-343-COMP	BG064085.D	10 Mar 2025 17:46		RC/JU	Ok,M
15	Q1524-02	VNJ-241	BG064086.D	10 Mar 2025 18:26		RC/JU	Ok,M

M : Manual Integration

SOP ID : M1311-TCLP-15

SDG No : N/A

Weigh By : JP

Balance ID : WC SC-7

pH Meter ID : WC PH METER-1

Extraction By : JP

Filter By : JP

Pipette ID : WC

Tumbler ID : T-1 / T-2

TCLP Filter ID : 115525

Start Prep Date : 03/06/2025 Time : 17:00

End Prep Date : 03/07/2025 Time : 11:20

Combination Ratio : 20

ZHE Cleaning Batch : ~~N/A~~ ^{JP}

Initial Room Temperature: 25 °C

Final Room Temperature: 22 °C

TCLP Technician Signature : JP

Supervisor By : IL

Standard Name	MLS USED	STD REF. # FROM LOG
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

Chemical Used	ML/SAMPLE U	Lot Number
TCLP-FLUID-1	N/A	WP110802
HCL-TCLP,1N	N/A	WP110803
HNO3-TCLP,1N	N/A	WP110804
pH Strips	W3172.	W1931,W1934,W3171,W3172
pH Strips	W1941,W1942	W3166,W1938,W1939,W1940,
1L Amber bottle	N/A	90424-08
120ml Plastic bottle	N/A	405130101
1:1 HNO3	N/A	MP84041

Extraction Conformance/Non-Conformance Comments:

Matrix spikes are added after filtration and before preservation. Particle size reduction is not required. TUMBLER T-1 / T-2 checked, 30 rpm. q1514-06 is used for MS-MSD.

Date / Time	Prepped Sample Relinquished By/Location	Received By/Location
03/07/25 12:30	<u>JP</u> / <u>TCLP Room</u>	<u>JP</u> / <u>RT / EXT</u>
	Preparation Group	Analysis Group

JP

Sample ID	ClientID	TCLP Vessel ID	Sample Wt (g)	Volume Extraction Fluid #1 (mL)	Multi phasic	Phase Miscible	Phases Combined	Final Leachate PH	Metals Leachate Adj. PH	Prep Pos
PB167020TB	LEB020	15	N/A	2000	N/A	N/A	N/A	4.94	1.5	T-2
Q1488-02	ENV-101-SB01	01	100.02	2000	N/A	N/A	N/A	3.5	1.5	T-1
Q1488-04	ENV-101-SB02	02	100.01	2000	N/A	N/A	N/A	4.0	1.0	T-1
Q1488-06	ENV-102-SB01	03	100.03	2000	N/A	N/A	N/A	3.5	1.5	T-1
Q1488-08	ENV-102-SB02	04	100.04	2000	N/A	N/A	N/A	4.5	1.0	T-1
Q1488-10	ENV-104-SB01	05	100.03	2000	N/A	N/A	N/A	3.0	1.5	T-1
Q1488-12	ENV-104-SB02	06	100.02	2000	N/A	N/A	N/A	4.0	1.0	T-1
Q1490-02	CLAY-SLUDGE-DRUMS	07	100.01	2000	N/A	N/A	N/A	5.5	1.5	T-1
Q1494-04	ASPHALT-SOIL	08	100.02	2000	N/A	N/A	N/A	6.0	1.0	T-1
Q1494-06	SOIL	09	100.03	2000	N/A	N/A	N/A	7.0	1.5	T-1
Q1494-08	SOIL-COMP	10	100.04	2000	N/A	N/A	N/A	6.2	1.0	T-1
Q1510-01	FMC-25-0001-0005	11	100.01	2000	N/A	N/A	N/A	3.0	1.5	T-2
Q1514-02	ENV-105-SB01	12	100.02	2000	N/A	N/A	N/A	5.6	1.0	T-2
Q1514-04	ENV-105-SB02	13	100.03	2000	N/A	N/A	N/A	5.8	1.5	T-2
Q1514-06	ENV-103-SB01	14	100.02	2000	N/A	N/A	N/A	7.0	1.0	T-2

SampleID	ClientID	Sample Weight (g)	Filter Weight (g)	Filtrate (mL)	Filter + Solid (After 100°C)	% solids	% Dry Solids
PB167020TB	LEB020	N/A	N/A	N/A	N/A	N/A	N/A
Q1488-02	ENV-101-SB01	N/A	N/A	N/A	N/A	100	N/A
Q1488-04	ENV-101-SB02	N/A	N/A	N/A	N/A	100	N/A
Q1488-06	ENV-102-SB01	N/A	N/A	N/A	N/A	100	N/A
Q1488-08	ENV-102-SB02	N/A	N/A	N/A	N/A	100	N/A
Q1488-10	ENV-104-SB01	N/A	N/A	N/A	N/A	100	N/A
Q1488-12	ENV-104-SB02	N/A	N/A	N/A	N/A	100	N/A
Q1490-02	CLAY-SLUDGE-DRUMS	N/A	N/A	N/A	N/A	100	N/A
Q1494-04	ASPHALT-SOIL	N/A	N/A	N/A	N/A	100	N/A
Q1494-06	SOIL	N/A	N/A	N/A	N/A	100	N/A
Q1494-08	SOIL-COMP	N/A	N/A	N/A	N/A	100	N/A
Q1510-01	FMC-25-0001-0005	N/A	N/A	N/A	N/A	100	N/A
Q1514-02	ENV-105-SB01	N/A	N/A	N/A	N/A	100	N/A
Q1514-04	ENV-105-SB02	N/A	N/A	N/A	N/A	100	N/A
Q1514-06	ENV-103-SB01	N/A	N/A	N/A	N/A	100	N/A

Hot Block ID : WC S-1 /WC S-2

Thermometer ID : FLASHPOINT

SampleID	ClientID	Sample Weight (g)	Volume DI Water (mL)	PH after 5 min stir	PH after 10 min stir	Extraction Fluid 1 or 2	pH Extraction Fluid
PB167020TB	LEB020	N/A	N/A	N/A	N/A	#1	4.94
Q1488-02	ENV-101-SB01	5.01	96.5	6.2	2.5	#1	4.94
Q1488-04	ENV-101-SB02	5.02	96.5	6.6	2.0	#1	4.94
Q1488-06	ENV-102-SB01	5.03	96.5	6.2	2.5	#1	4.94
Q1488-08	ENV-102-SB02	5.04	96.5	7.2	2.5	#1	4.94
Q1488-10	ENV-104-SB01	5.03	96.5	6.6	2.0	#1	4.94
Q1488-12	ENV-104-SB02	5.02	96.5	7.0	2.5	#1	4.94
Q1490-02	CLAY-SLUDGE-DRUMS	5.04	96.5	7.0	2.5	#1	4.94
Q1494-04	ASPHALT-SOIL	5.01	96.5	8.6	3.0	#1	4.94
Q1494-06	SOIL	5.02	96.5	9.1	4.0	#1	4.94
Q1494-08	SOIL-COMP	5.04	96.5	8.6	3.5	#1	4.94
Q1510-01	FMC-25-0001-0005	5.03	96.5	5.6	1.5	#1	4.94
Q1514-02	ENV-105-SB01	5.01	96.5	7.6	2.5	#1	4.94
Q1514-04	ENV-105-SB02	5.02	96.5	8.0	3.0	#1	4.94
Q1514-06	ENV-103-SB01	5.03	96.5	9.1	3.5	#1	4.94

WORKLIST(Hardcopy Internal Chain)

WorkList Name : tclp q1490 WorkList ID : 188086 Department : TCLP Extraction Date : 03-06-2025 11:40:13

Sample	Customer Sample	Matrix	Test	Preservative	Customer	Raw Sample Storage Location	Collect Date	Method
Q1488-02	ENV-101-SB01	Solid	TCLP Extraction	Cool 4 deg C	PORT06	H31	03/04/2025	1311
Q1488-04	ENV-101-SB02	Solid	TCLP Extraction	Cool 4 deg C	PORT06	H31	03/04/2025	1311
Q1488-06	ENV-102-SB01	Solid	TCLP Extraction	Cool 4 deg C	PORT06	H31	03/04/2025	1311
Q1488-08	ENV-102-SB02	Solid	TCLP Extraction	Cool 4 deg C	PORT06	H31	03/04/2025	1311
Q1488-10	ENV-104-SB01	Solid	TCLP Extraction	Cool 4 deg C	PORT06	H31	03/04/2025	1311
Q1488-12	ENV-104-SB02	Solid	TCLP Extraction	Cool 4 deg C	PORT06	H31	03/04/2025	1311
Q1490-02	CLAY-SLUDGE-DRUMS	Solid	TCLP Extraction	Cool 4 deg C	PORT06	H31	03/04/2025	1311
Q1494-04	ASPHALT-SOIL	Solid	TCLP Extraction	Cool 4 deg C	PSEG03	I21	03/05/2025	1311
Q1494-06	SOIL	Solid	TCLP Extraction	Cool 4 deg C	PSEG03	I31	03/05/2025	1311
Q1494-08	SOIL-COMP	Solid	TCLP Extraction	Cool 4 deg C	PSEG03	I31	03/05/2025	1311
Q1510-01	FMC-25-0001-0005	Solid	TCLP Extraction	Cool 4 deg C	PSEG03	I31	03/05/2025	1311
Q1514-02	ENV-105-SB01	Solid	TCLP Extraction	Cool 4 deg C	PSEG03	I21	03/06/2025	1311
Q1514-04	ENV-105-SB02	Solid	TCLP Extraction	Cool 4 deg C	PORT06	I31	03/05/2025	1311
Q1514-06	ENV-103-SB01	Solid	TCLP Extraction	Cool 4 deg C	PORT06	I31	03/05/2025	1311

Date/Time 03/06/25 16:10
Raw Sample Received by: SA WOC
Raw Sample Relinquished by: CP SM

Date/Time 03/06/25 18:00
Raw Sample Received by: CP SM
Raw Sample Relinquished by: SA WOC

SOP ID: M3510C,3580A-Extraction SVOC-20

Clean Up SOP #: N/A

Matrix : Water

Weigh By: N/A

Balance check: N/A

Balance ID: N/A

pH Strip Lot#: E3880

Extraction By: RS

Filter By: RS

pH Meter ID: N/A

Hood ID: 4,5,6,7

Extraction Start Date : 03/07/2025

Extraction Start Time : 12:45

Extraction End Date : 03/07/2025

Extraction End Time : 17:45

Concentration By: EH

Supervisor By : RUPESH

Extraction Method: ☒ Separatory Funnel ☐ Continuous Liquid/Liquid ☐ Sonication ☐ Waste Dilution ☐ Soxhlet

Standard Name	MLS USED	Concentration ug/mL	STD REF. # FROM LOG
Spike Sol 1	1.0ML	50/100 PPM	SP6720
Surrogate	1.0ML	100/150 PPM	SP6638
N/A	N/A	N/A	N/A
N/A	N/A	N/A	N/A
N/A	N/A	N/A	N/A

Chemical Used	ML/SAMPLE USED	Lot Number
Methylene Chloride	N/A	E3878
Baked Na2SO4	N/A	EP2590
H2SO4 1:1	N/A	EP2565
10N NaOH	N/A	EP2559
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 Vial lot# 2210673. pH Adjusted<2 with 1:1 H2SO4 & >11 with 10 N NaOH.

KD Bath ID: Water bath -01,02

KD Bath Temperature: 60 °C

Envap ID: NEVAP-02

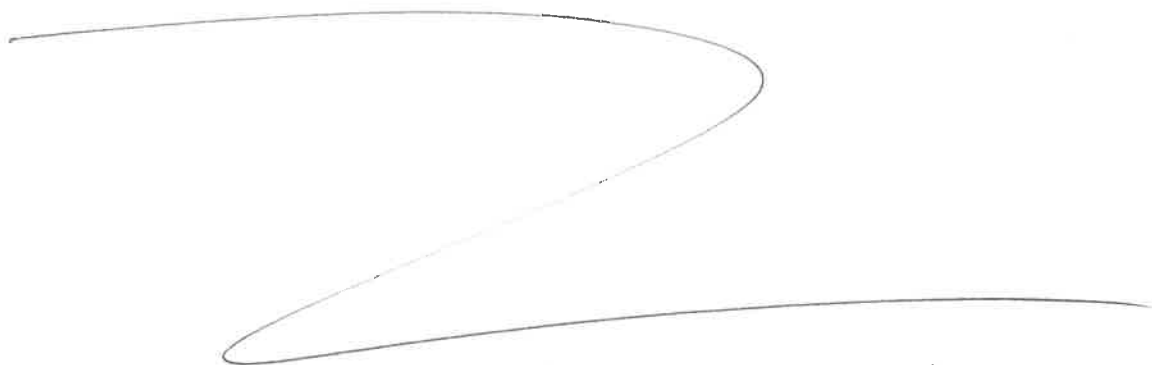
Envap Temperature: 40 °C

Date / Time	Prepped Sample Relinquished By/Location	Received By/Location
3/7/25	RS (EX-606)	RC/SVOC
17:50	Preparation Group	Analysis Group

Analytical Method: M3510C,3580A-Extraction SVOC-20

Concentration Date: 03/07/2025

Sample ID	Client Sample ID	Test	g / mL	PH	Surr/Spike By:		Final Vol. (mL)	JarID	Comments	Prep Pos
					AddedBy	VerifiedBy				
PB167020TB	PB167020TB	TCLP BNA	100	6	RUPESH	ritesh	1			SEP-1
PB167035BL	PB167035BL	TCLP BNA	1000	6	RUPESH	ritesh	1			2
PB167035BS	PB167035BS	TCLP BNA	1000	6	RUPESH	ritesh	1			3
Q1488-02	ENV-101-SB01	TCLP BNA	100	6	RUPESH	ritesh	1	A		4
Q1488-02MS	ENV-101-SB01MS	TCLP BNA	100	6	RUPESH	ritesh	1	A		5
Q1488-02MS D	ENV-101-SB01MSD	TCLP BNA	100	6	RUPESH	ritesh	1	A		6
Q1488-04	ENV-101-SB02	TCLP BNA	100	6	RUPESH	ritesh	1	A		7
Q1488-06	ENV-102-SB01	TCLP BNA	100	6	RUPESH	ritesh	1	A		8
Q1488-08	ENV-102-SB02	TCLP BNA	100	6	RUPESH	ritesh	1	A		9
Q1488-10	ENV-104-SB01	TCLP BNA	100	6	RUPESH	ritesh	1	A		10
Q1488-12	ENV-104-SB02	TCLP BNA	100	6	RUPESH	ritesh	1	A		11
Q1490-02	CLAY-SLUDGE-DRUMS	TCLP BNA	100	6	RUPESH	ritesh	1	A		12
Q1494-04	ASPHALT-SOIL	TCLP BNA	100	6	RUPESH	ritesh	1	A		13
Q1494-06	SOIL	TCLP BNA	100	6	RUPESH	ritesh	1	A		14
Q1494-08	SOIL-COMP	TCLP BNA	100	6	RUPESH	ritesh	1	A		15
Q1514-02	ENV-105-SB01	TCLP BNA	100	6	RUPESH	ritesh	1	A		16
Q1514-04	ENV-105-SB02	TCLP BNA	100	6	RUPESH	ritesh	1	A		17
Q1514-06	ENV-103-SB01	TCLP BNA	100	6	RUPESH	ritesh	1	A		18



Rs
317

* Extracts relinquished on the same date as received.

TCLP EXTRACTION LOGPAGE

PB167020

Sample ID	ClientID	TCLP Vessel ID	Sample Wt (g)	Volume Extraction Fluid #1 (mL)	Multi phasic	Phase Miscible	Phases Combined	Final Leachate PH	Metals Leachate Adj. PH	Prep Pos
PB167020TB	LEB020	15	N/A	2000	N/A	N/A	N/A	4.94	1.5	T-2
Q1488-02	ENV-101-SB01	01	100.02	2000	N/A	N/A	N/A	3.5	1.5	T-1
Q1488-04	ENV-101-SB02	02	100.01	2000	N/A	N/A	N/A	4.0	1.0	T-1
Q1488-06	ENV-102-SB01	03	100.03	2000	N/A	N/A	N/A	3.5	1.5	T-1
Q1488-08	ENV-102-SB02	04	100.04	2000	N/A	N/A	N/A	4.5	1.0	T-1
Q1488-10	ENV-104-SB01	05	100.03	2000	N/A	N/A	N/A	3.0	1.5	T-1
Q1488-12	ENV-104-SB02	06	100.02	2000	N/A	N/A	N/A	4.0	1.0	T-1
Q1490-02	CLAY-SLUDGE-DRUMS	07	100.01	2000	N/A	N/A	N/A	5.5	1.5	T-1
Q1494-04	ASPHALT-SOIL	08	100.02	2000	N/A	N/A	N/A	6.0	1.0	T-1
Q1494-06	SOIL	09	100.03	2000	N/A	N/A	N/A	7.0	1.5	T-1
Q1494-08	SOIL-COMP	10	100.04	2000	N/A	N/A	N/A	6.2	1.0	T-1
Q1510-01	FMC-25-0001-0005	11	100.01	2000	N/A	N/A	N/A	3.0	1.5	T-2
Q1514-02	ENV-105-SB01	12	100.02	2000	N/A	N/A	N/A	5.6	1.0	T-2
Q1514-04	ENV-105-SB02	13	100.03	2000	N/A	N/A	N/A	5.8	1.5	T-2
Q1514-06	ENV-103-SB01	14	100.02	2000	N/A	N/A	N/A	7.0	1.0	T-2

03/07/25
121.30

LAB CHRONICLE

OrderID:	Q1488	OrderDate:	3/4/2025 3:39:00 PM
Client:	Portal Partners Tri-Venture	Project:	Amtrak Sawtooth Bridges 2025
Contact:	Joseph Krupansky	Location:	H31,VOA Ref. #2 Soil,VOA Ref. #3 Water

LabID	ClientID	Matrix	Test	Method	Sample Date	Prep Date	Anal Date	Received
Q1488-01	ENV-101-SB01	SOIL	SVOC-TCL BNA -20	8270E	03/04/25	03/05/25	03/06/25	03/04/25
Q1488-02	ENV-101-SB01	TCLP	TCLP BNA	8270E	03/04/25	03/07/25	03/07/25	03/04/25
Q1488-03	ENV-101-SB02	SOIL	SVOC-TCL BNA -20	8270E	03/04/25	03/05/25	03/05/25	03/04/25
Q1488-04	ENV-101-SB02	TCLP	TCLP BNA	8270E	03/04/25	03/07/25	03/10/25	03/04/25
Q1488-05	ENV-102-SB01	SOIL	SVOC-TCL BNA -20	8270E	03/04/25	03/05/25	03/05/25	03/04/25
Q1488-06	ENV-102-SB01	TCLP	TCLP BNA	8270E	03/04/25	03/07/25	03/10/25	03/04/25
Q1488-07	ENV-102-SB02	SOIL	SVOC-TCL BNA -20	8270E	03/04/25	03/05/25	03/06/25	03/04/25
Q1488-08	ENV-102-SB02	TCLP	TCLP BNA	8270E	03/04/25	03/07/25	03/10/25	03/04/25
Q1488-09	ENV-104-SB01	SOIL	SVOC-TCL BNA -20	8270E	03/04/25	03/05/25	03/05/25	03/04/25
Q1488-10	ENV-104-SB01	TCLP	TCLP BNA	8270E	03/04/25	03/07/25	03/10/25	03/04/25
Q1488-11	ENV-104-SB02	SOIL	SVOC-TCL BNA -20	8270E	03/04/25	03/05/25	03/05/25	03/04/25
Q1488-12	ENV-104-SB02	TCLP			03/04/25			03/04/25

LAB CHRONICLE

Q1488-13	ENV-102-GW01	Water	TCLP BNA	8270E		03/07/25	03/10/25	
			SVOC-TCL BNA -20	8270E	03/04/25	03/05/25	03/06/25	03/04/25
Q1488-14	ENV-104-GW01	Water						
			SVOC-TCL BNA -20	8270E	03/04/25	03/05/25	03/06/25	03/04/25